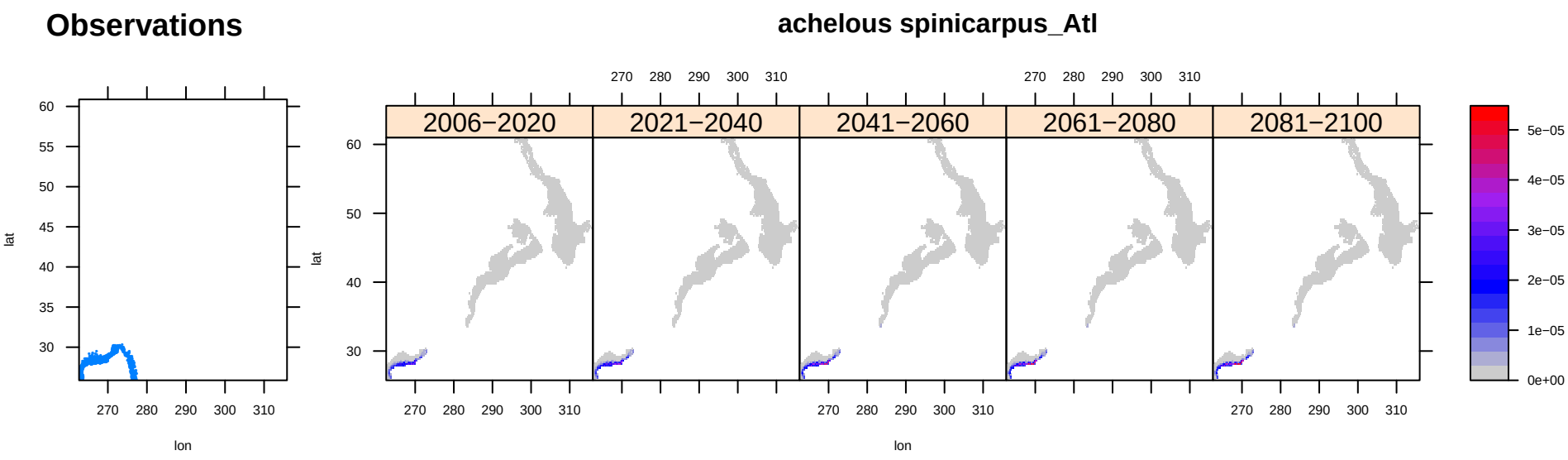
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achelous spinicarpus_Atl
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2061−2080
2081−2100
lat
lon
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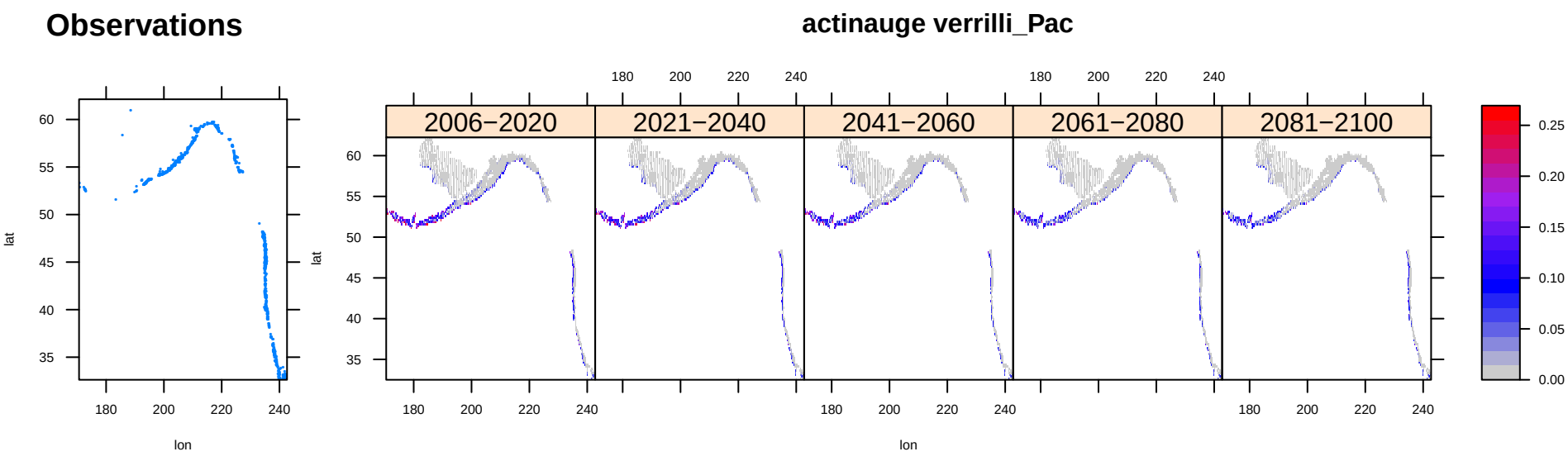
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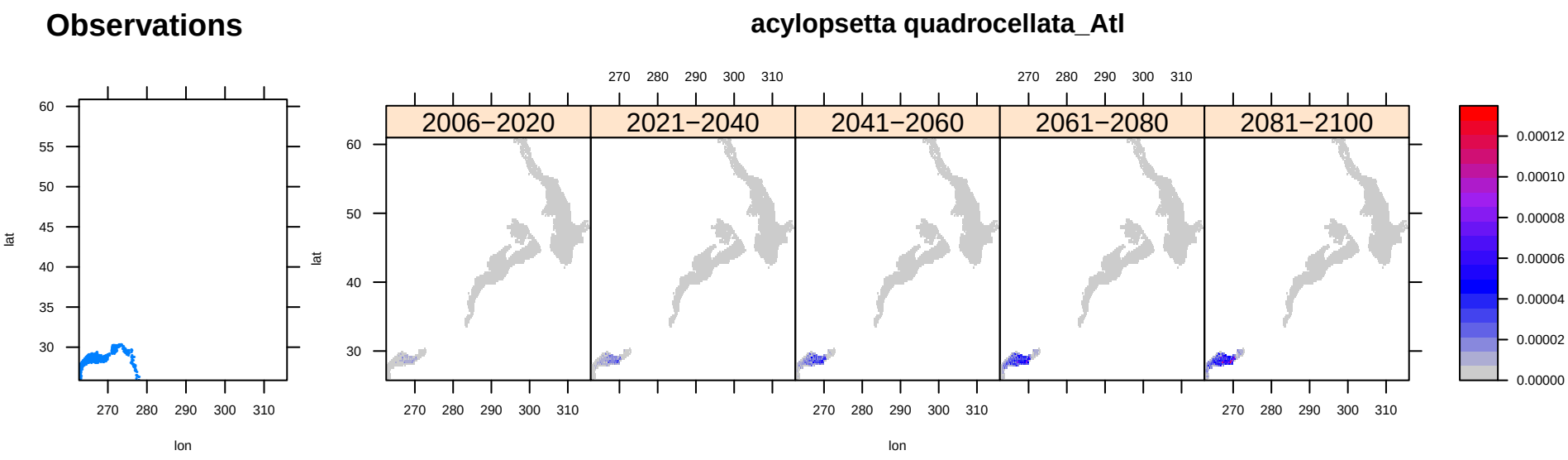
Observations
acylopsetta quadrocellata_Atl
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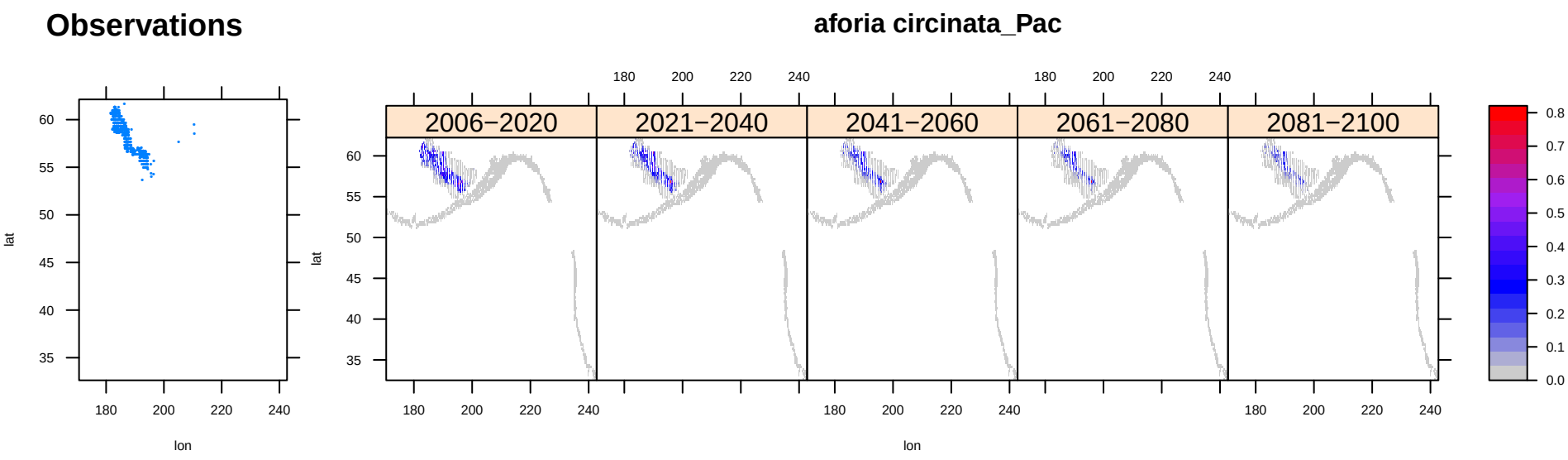
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aforia circinata_Pac
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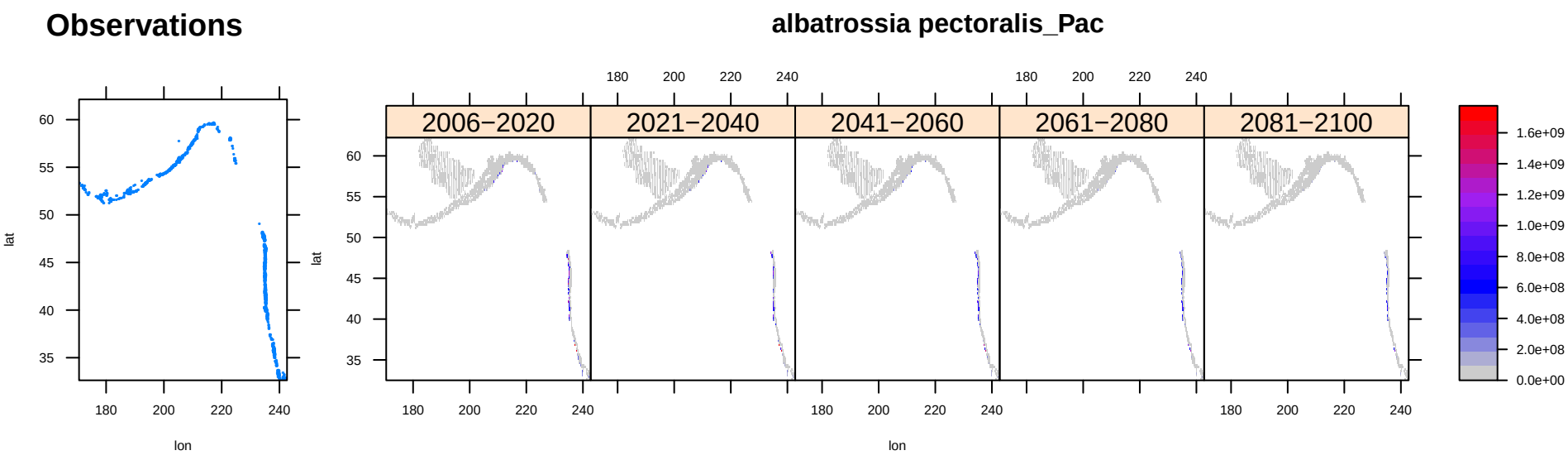
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albatrossia pectoralis_Pac
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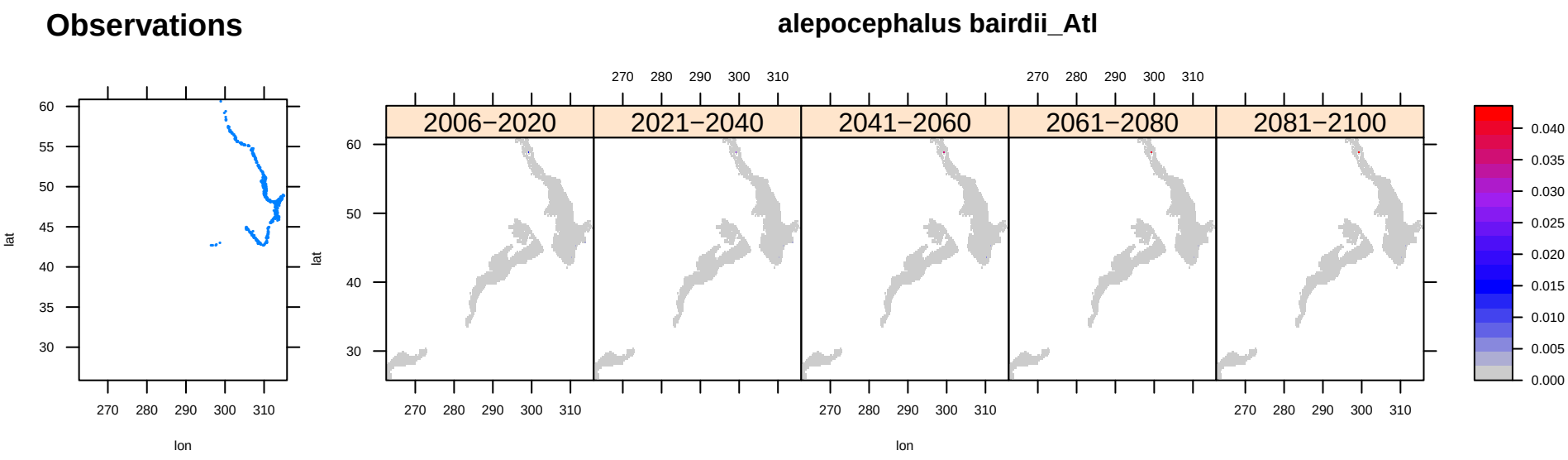
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alepocephalus bairdii_Atl
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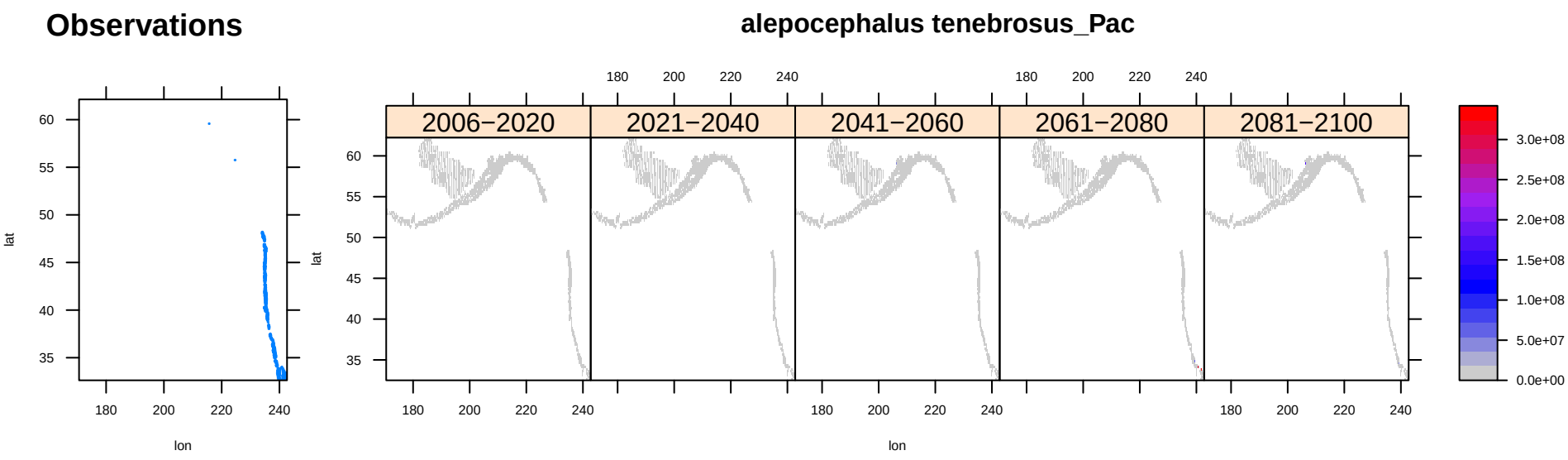
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alepocephalus tenebrosus_Pac
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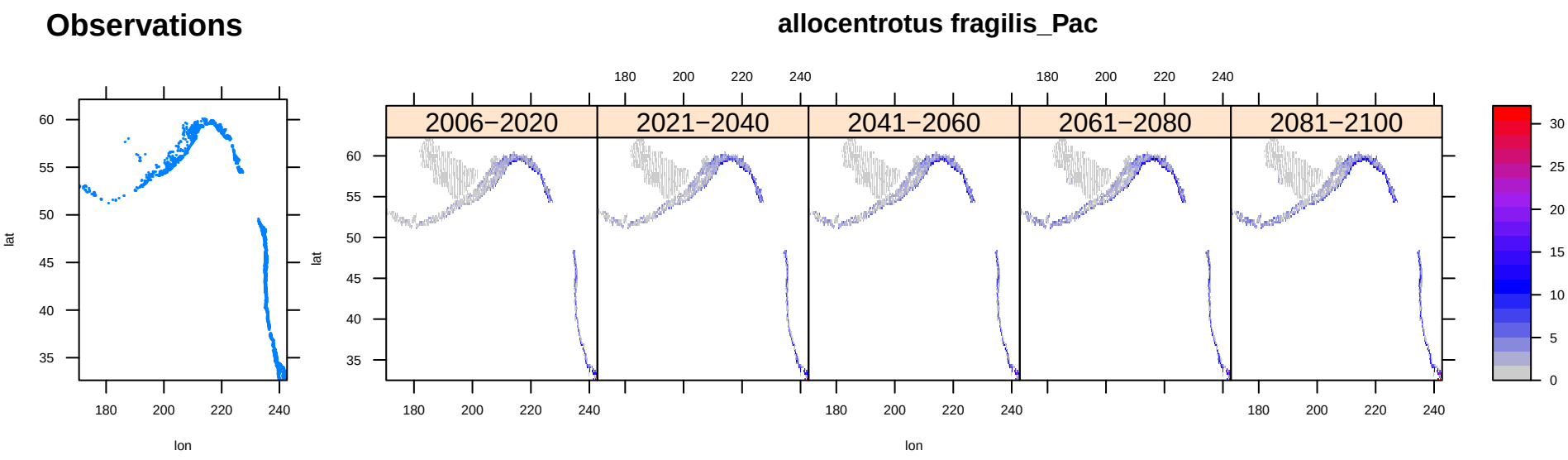
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allocentrotus fragilis_Pac
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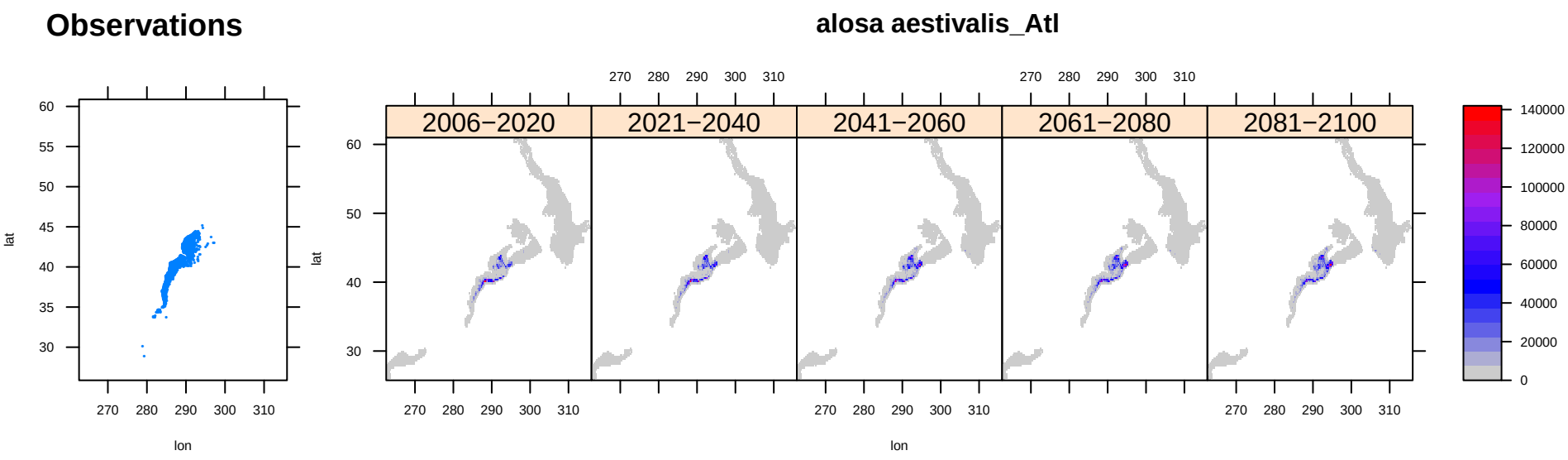
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alosa aestivalis_Atl
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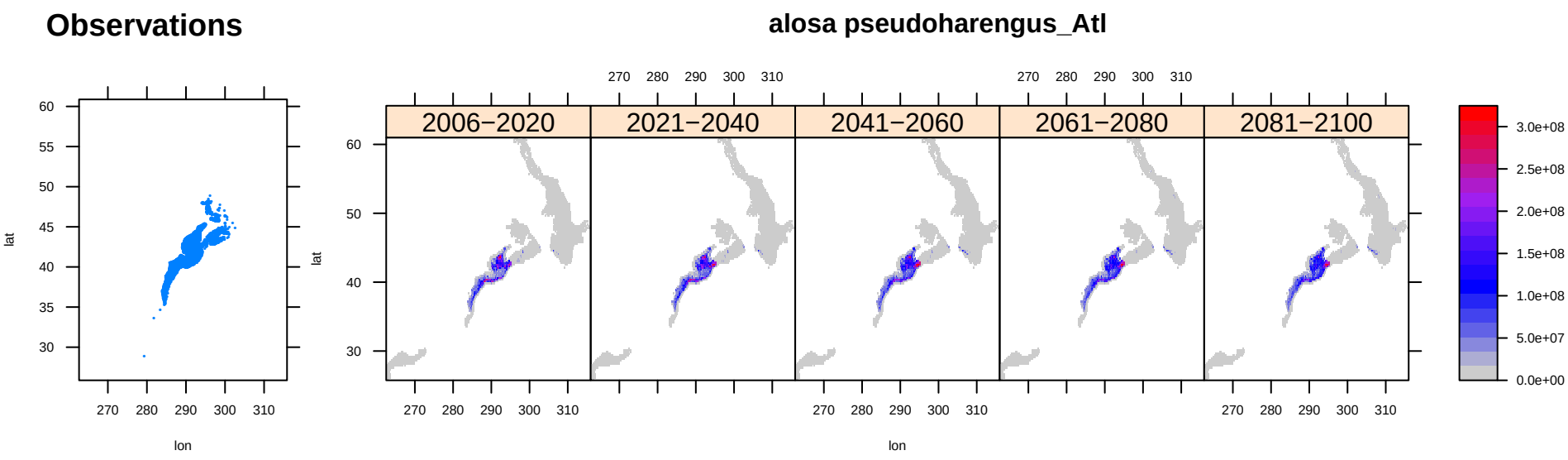
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alosa pseudoharengus_Atl
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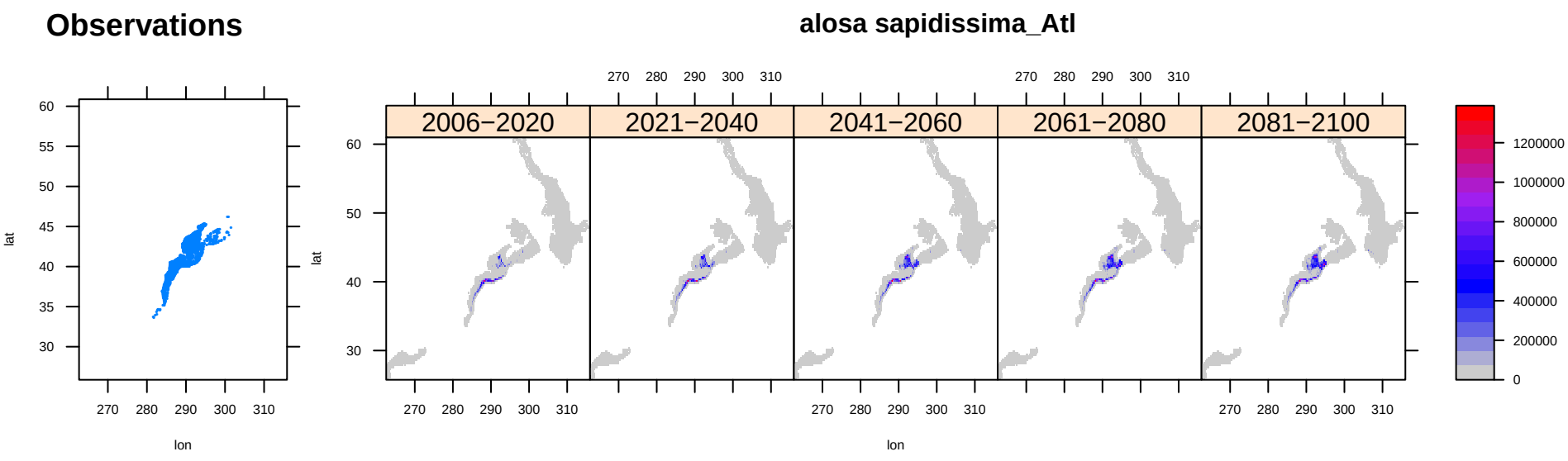
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alosa sapidissima_Atl
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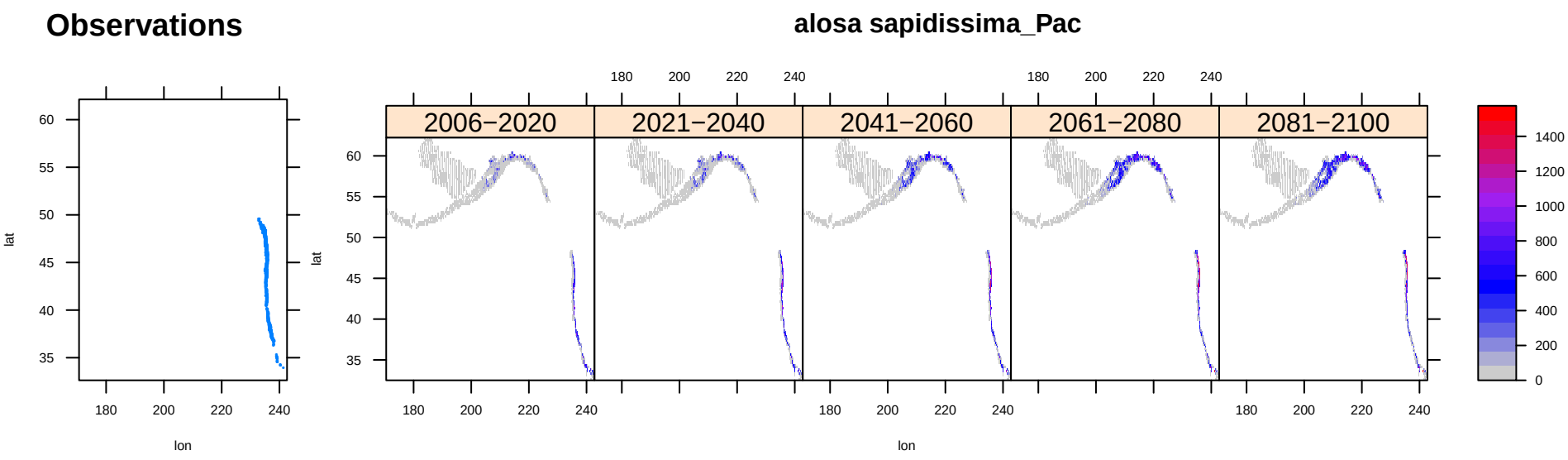
Observations
alosa sapidissima_Pac
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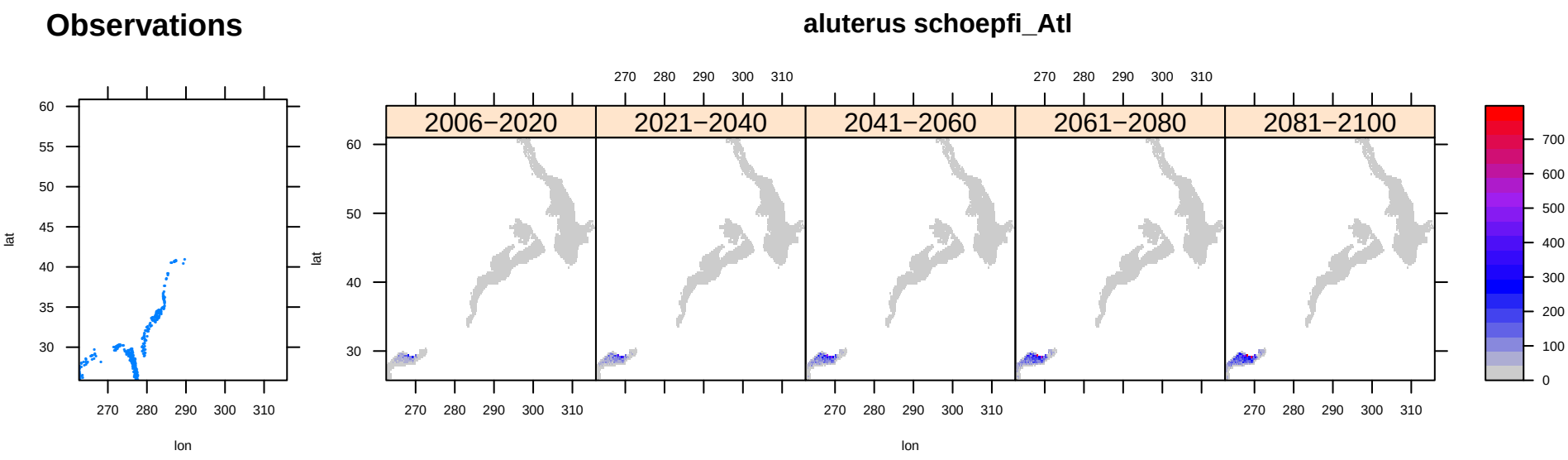
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aluterus schoepfi_Atl
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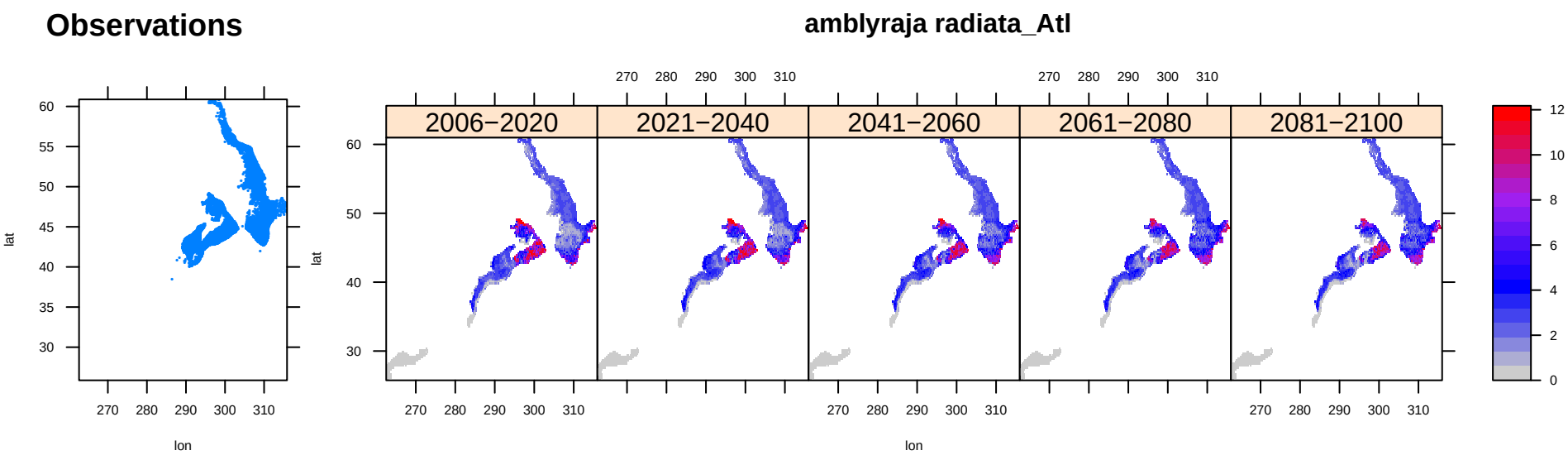
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amblyraja radiata_Atl
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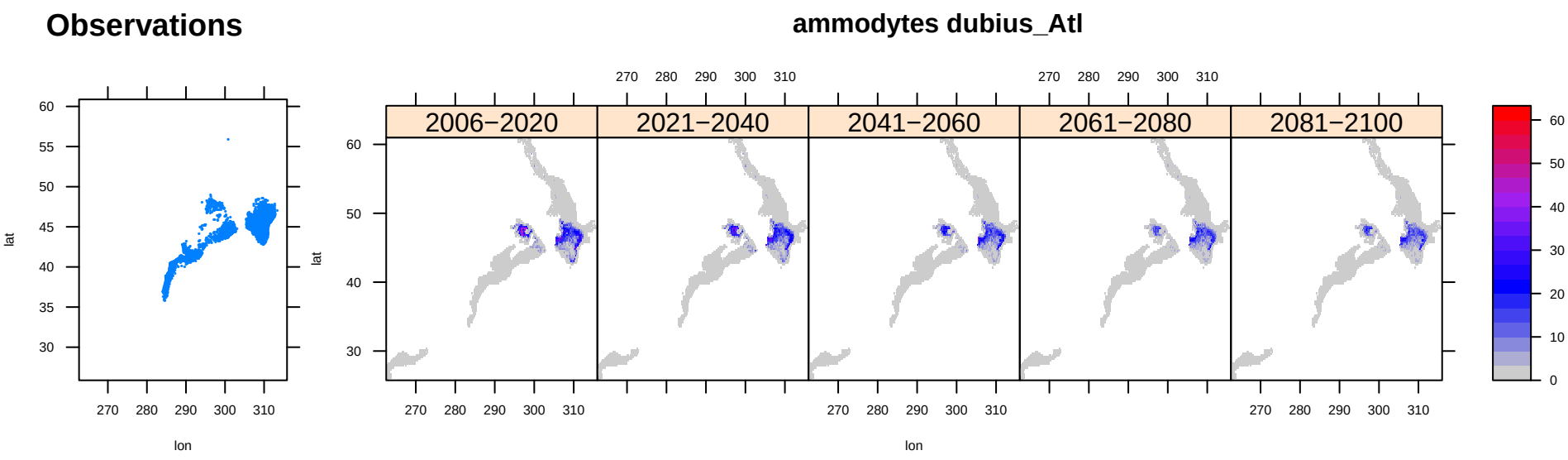
Observations
ammodytes dubius_Atl
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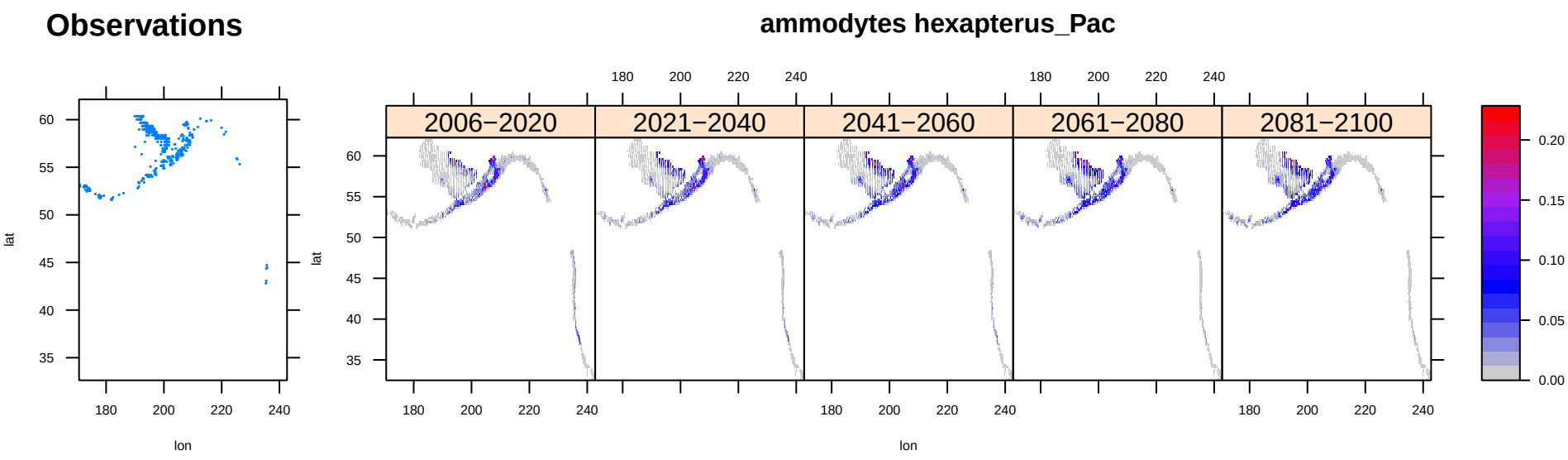
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ammodytes hexapterus_Pac
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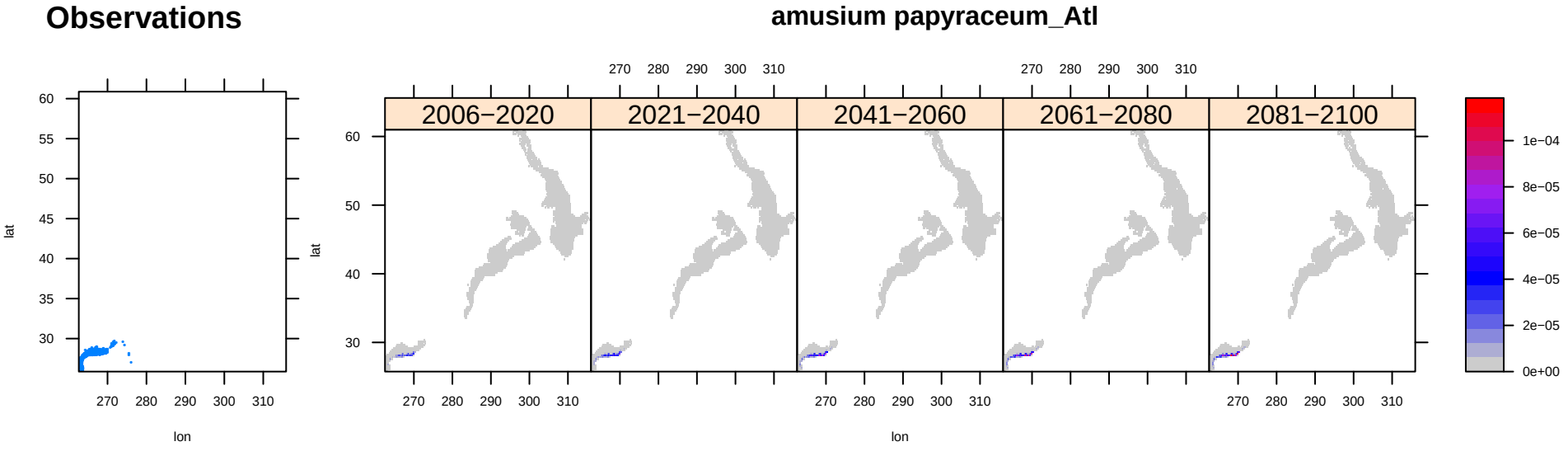
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amusium papyraceum_Atl
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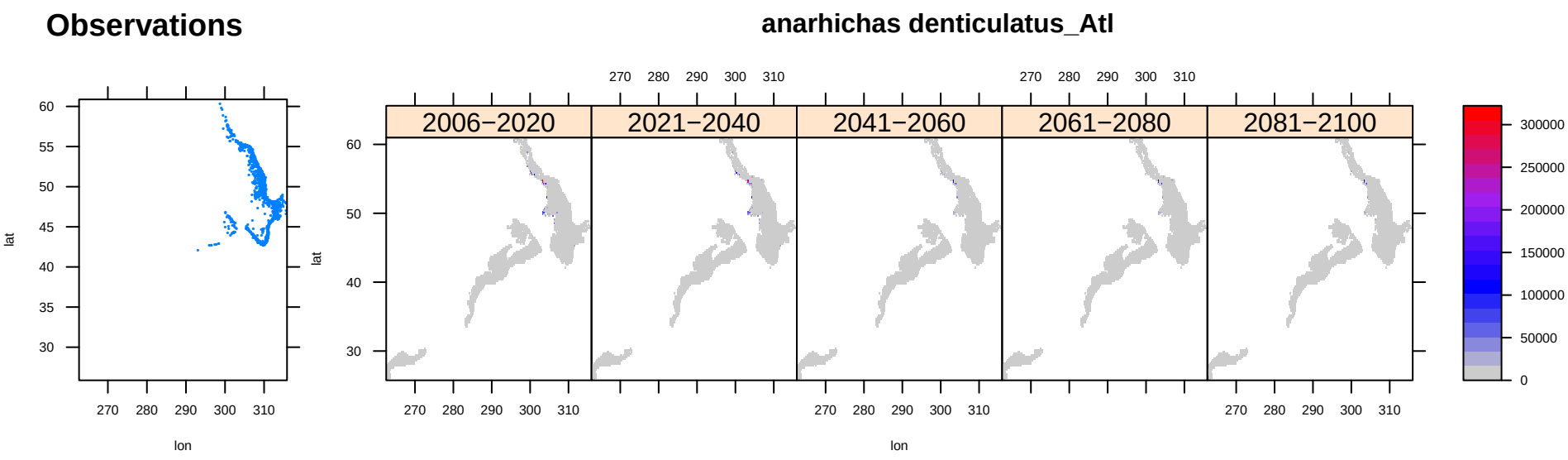
Observations
anarhichas denticulatus_Atl
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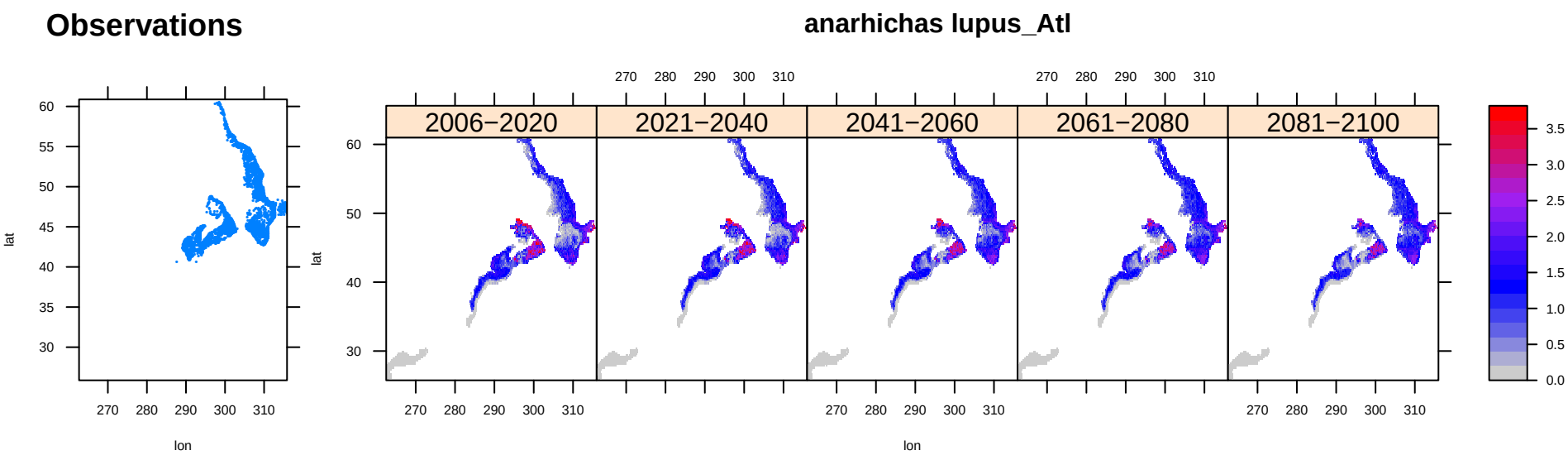
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anarhichas lupus_Atl
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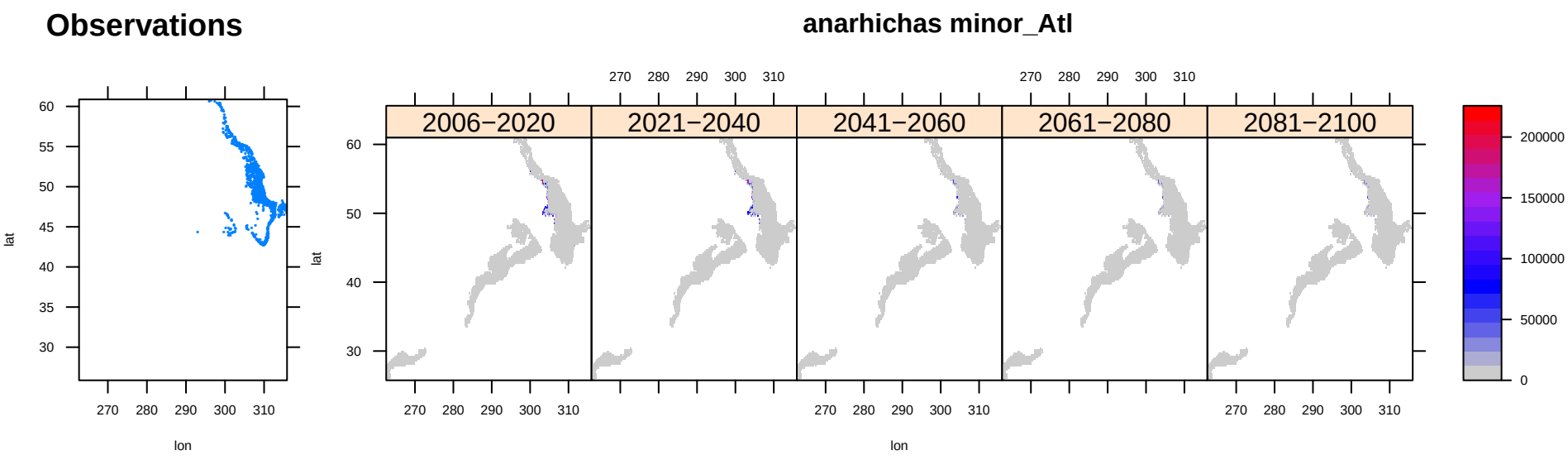
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anarhichas minor_Atl
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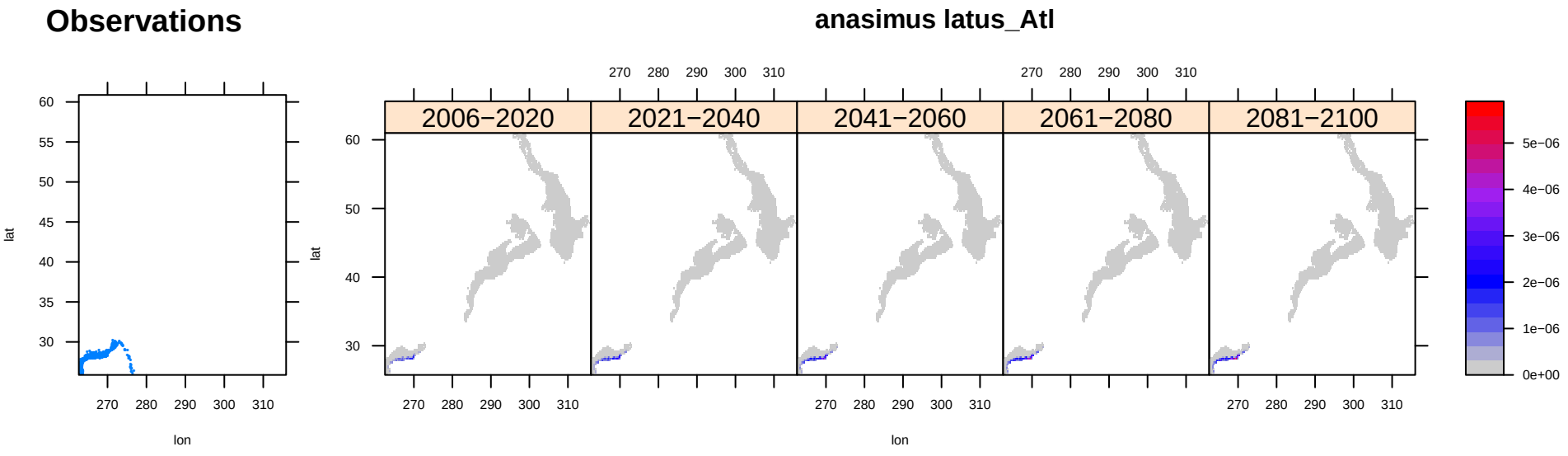
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anasimus latus_Atl
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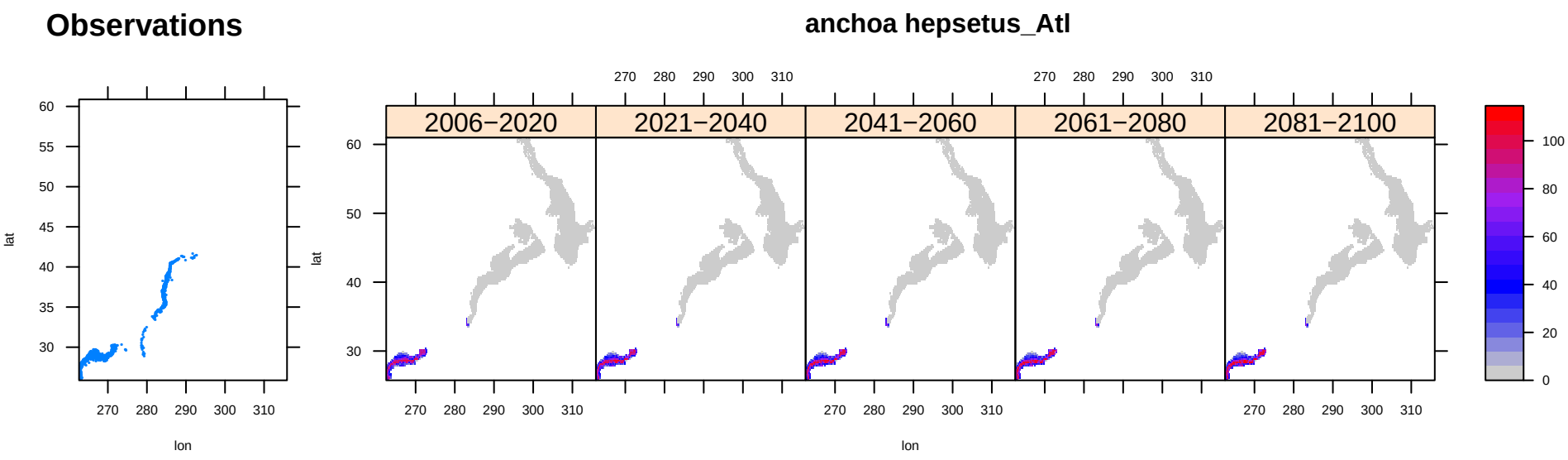
Observations
anchoa hepsetus_Atl
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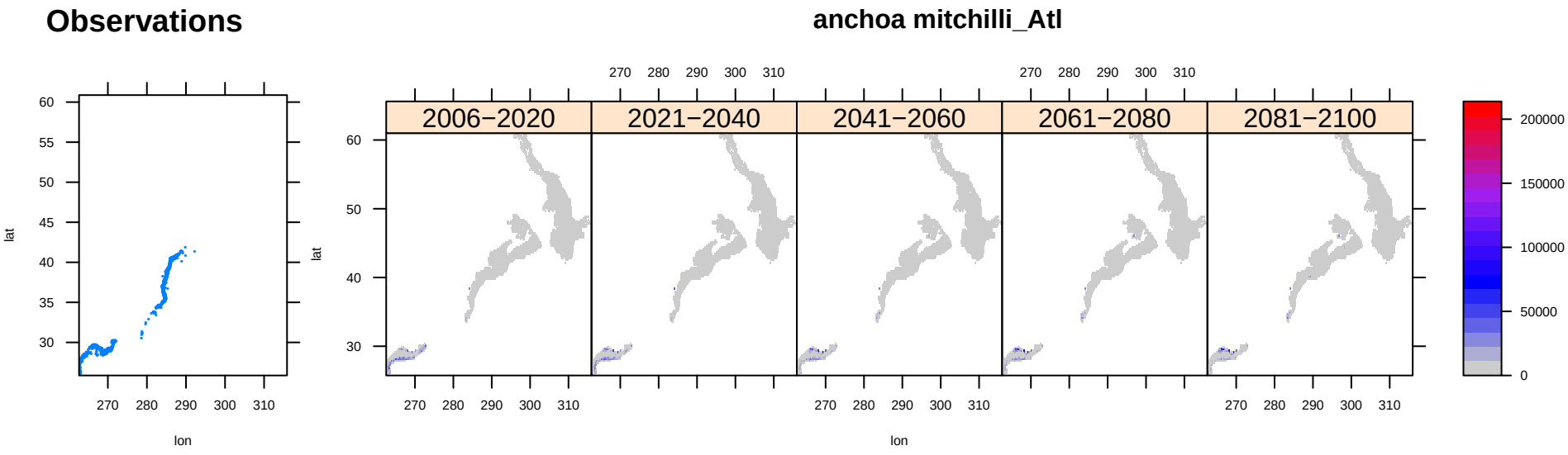
Observations
anchoa mitchilli_Atl
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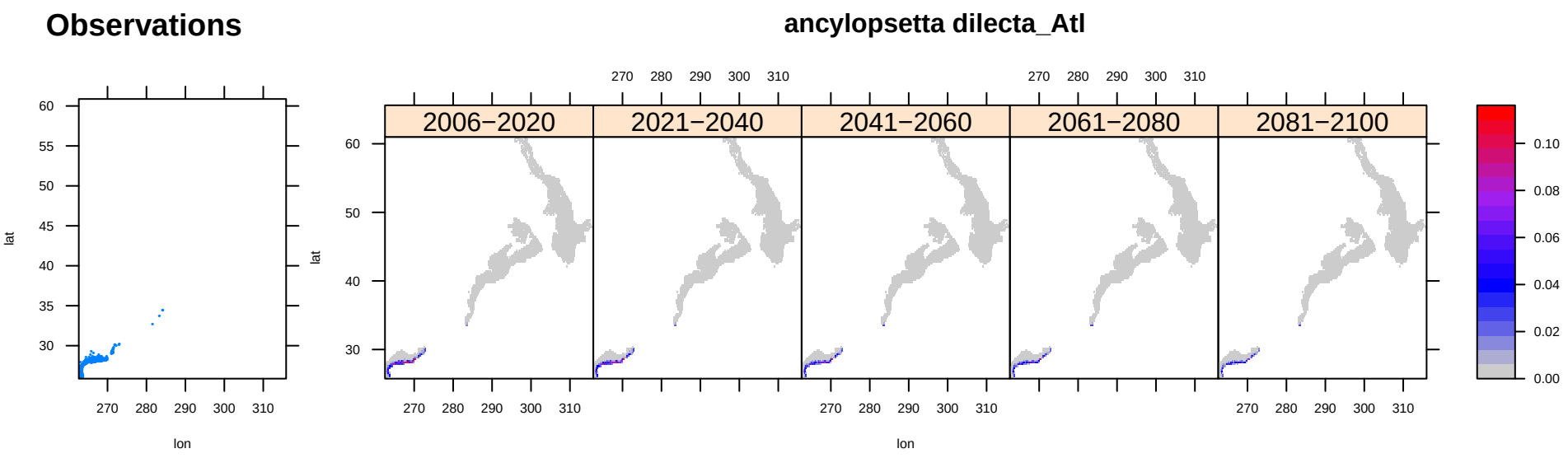
Observations
ancylopsetta dilecta_Atl
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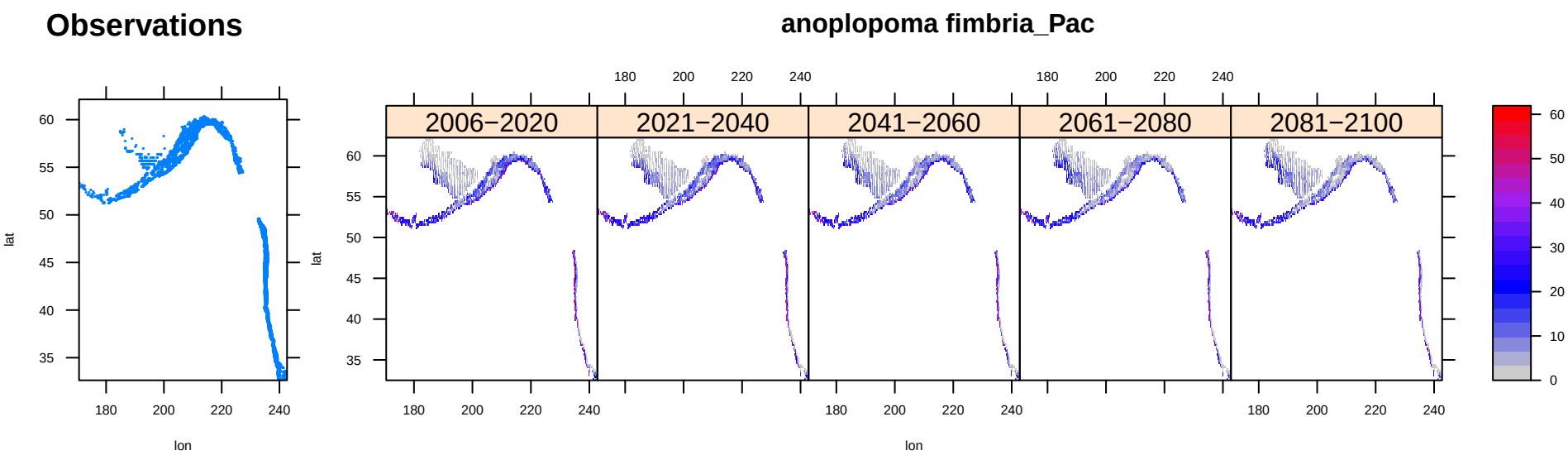
Observations
anoplopoma fimbria_Pac
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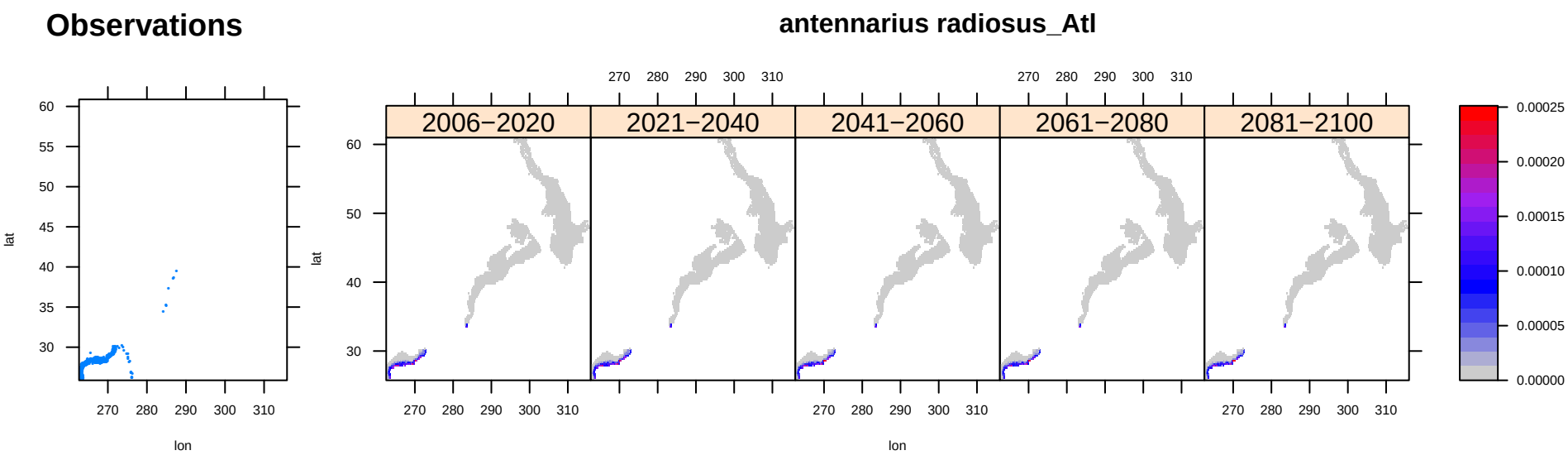
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antennarius radiosus_Atl
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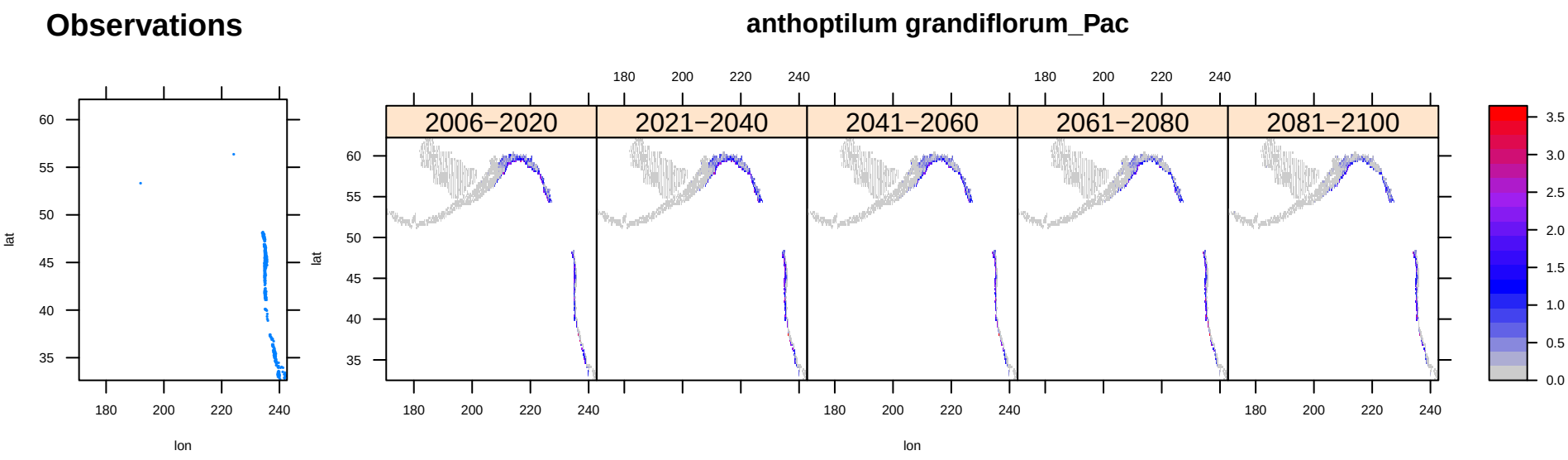
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anthoptilum grandiflorum_Pac
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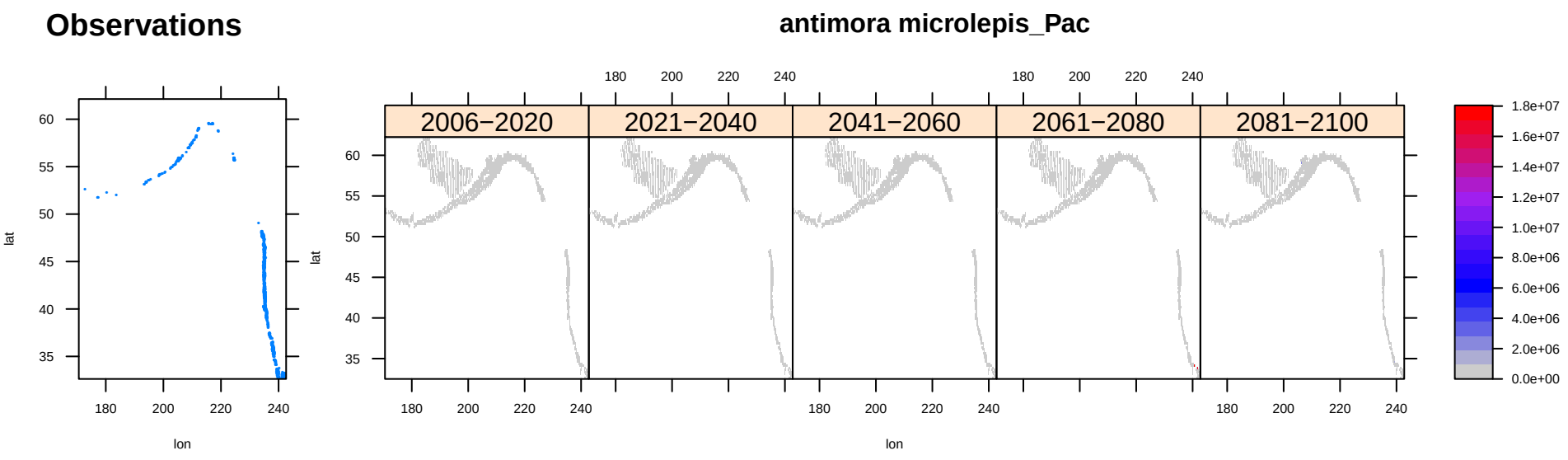
Observations
antimora microlepis_Pac
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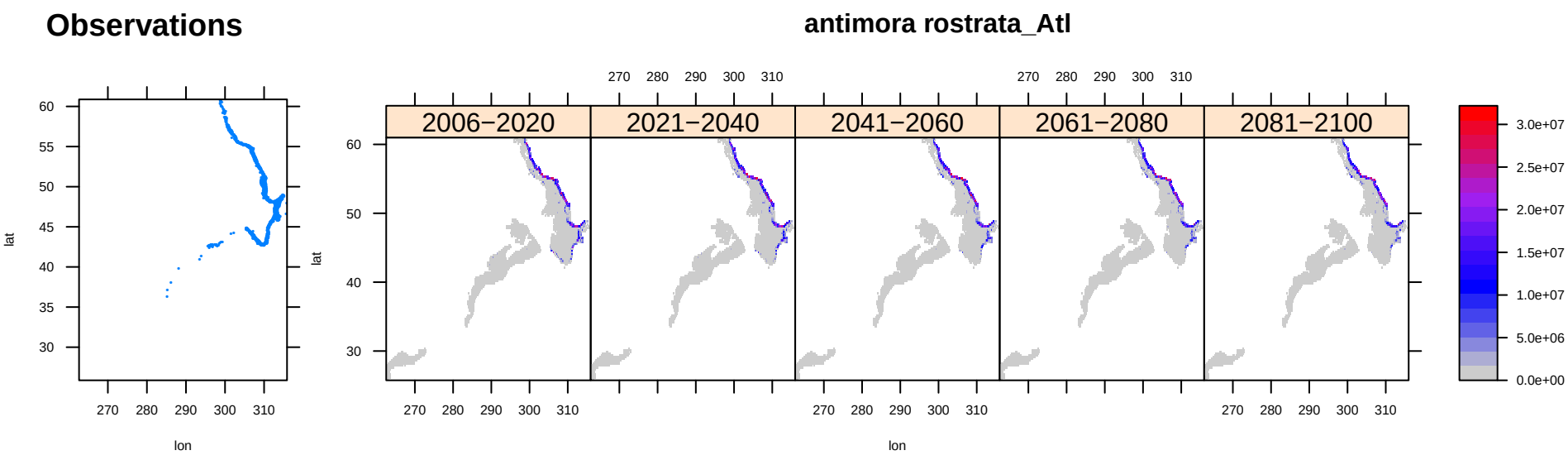
Observations
antimora rostrata_Atl
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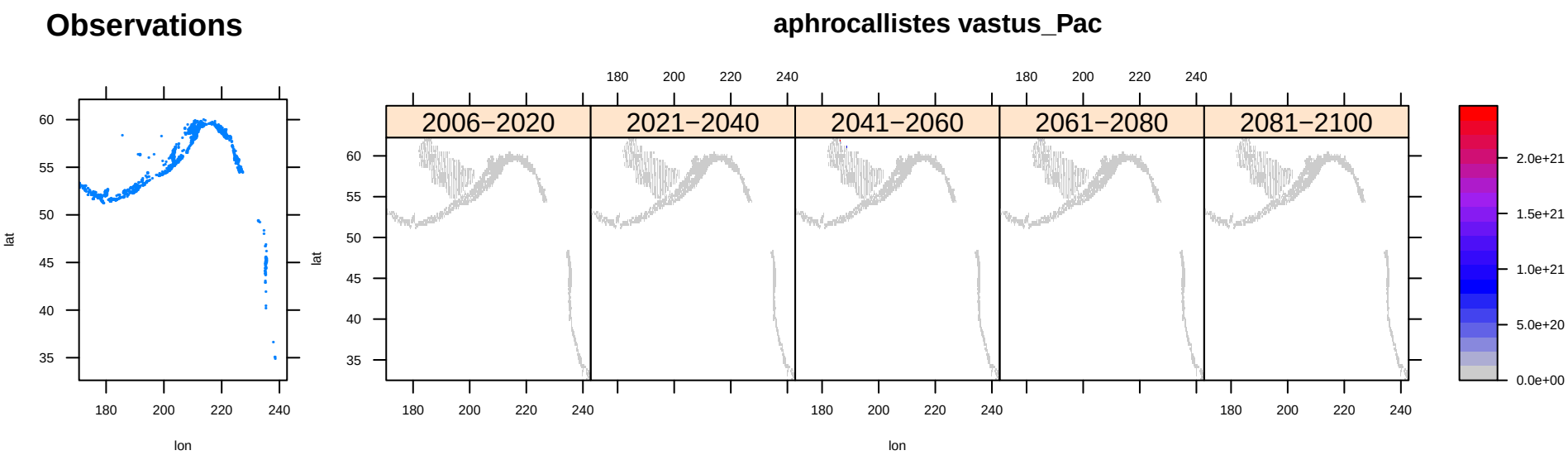
Observations
aphrocallistes vastus_Pac
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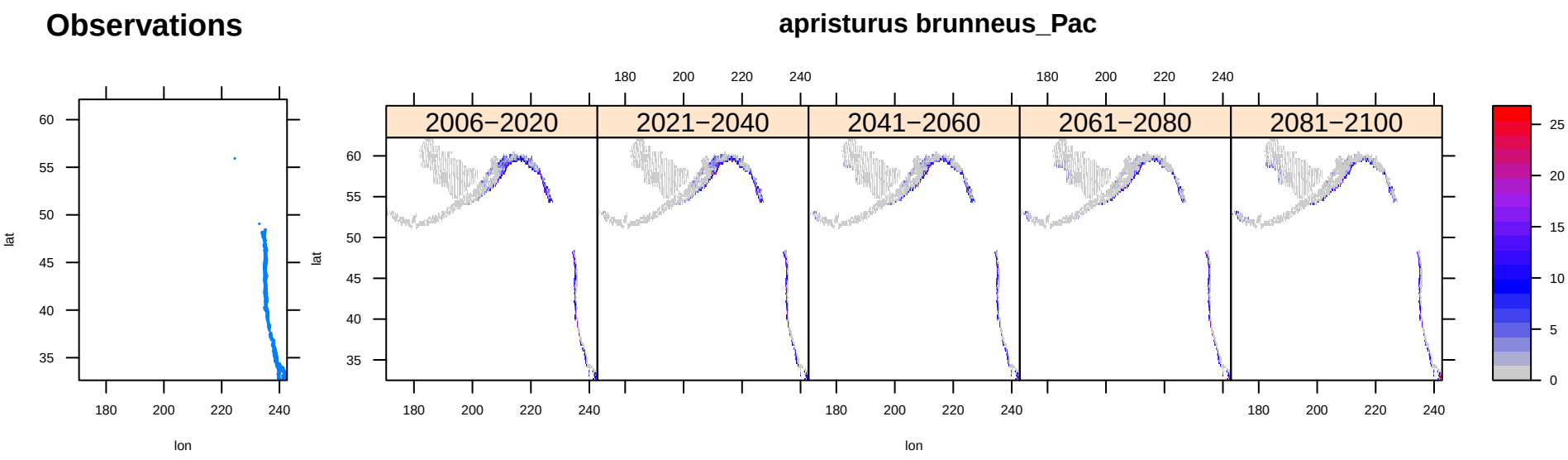
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apristurus brunneus_Pac
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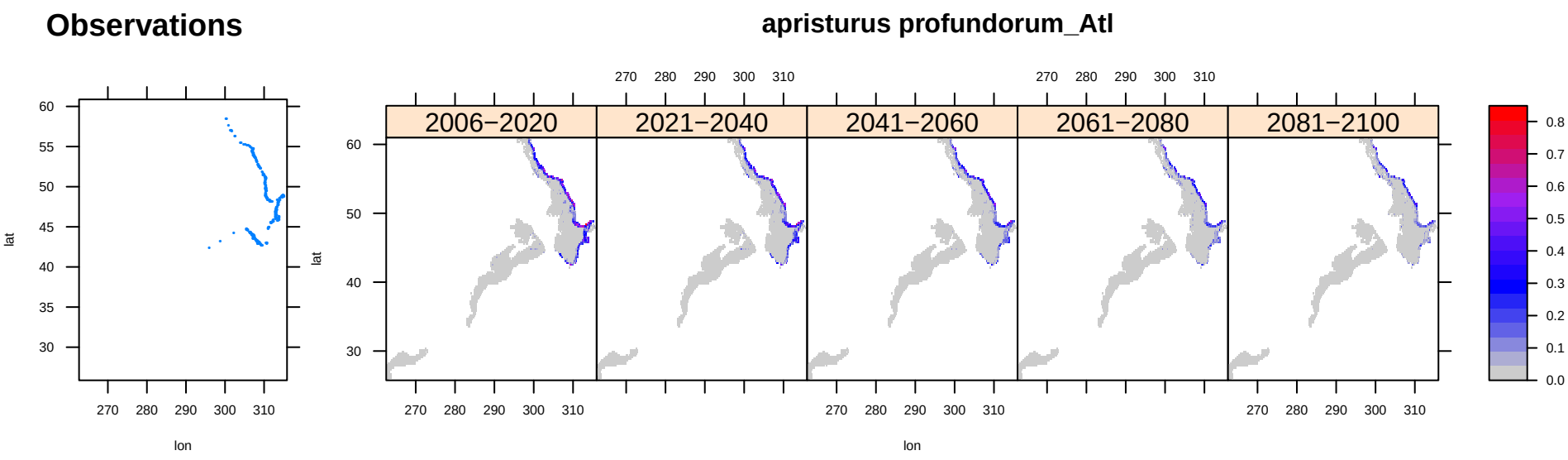
Observations
apristurus profundorum_Atl
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2021−2040
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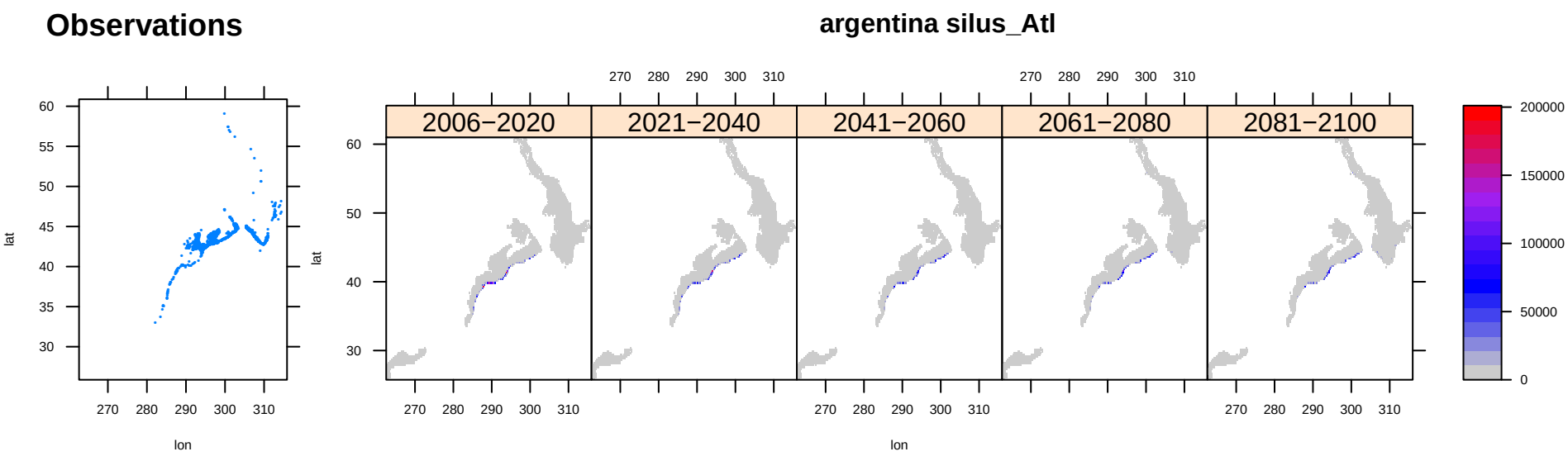
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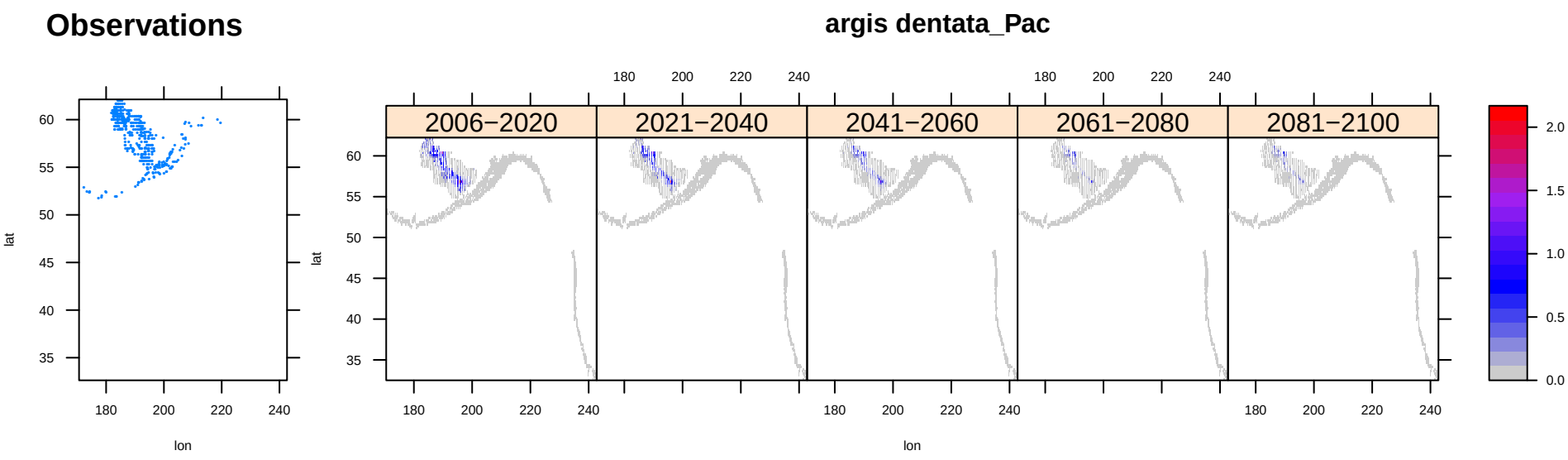
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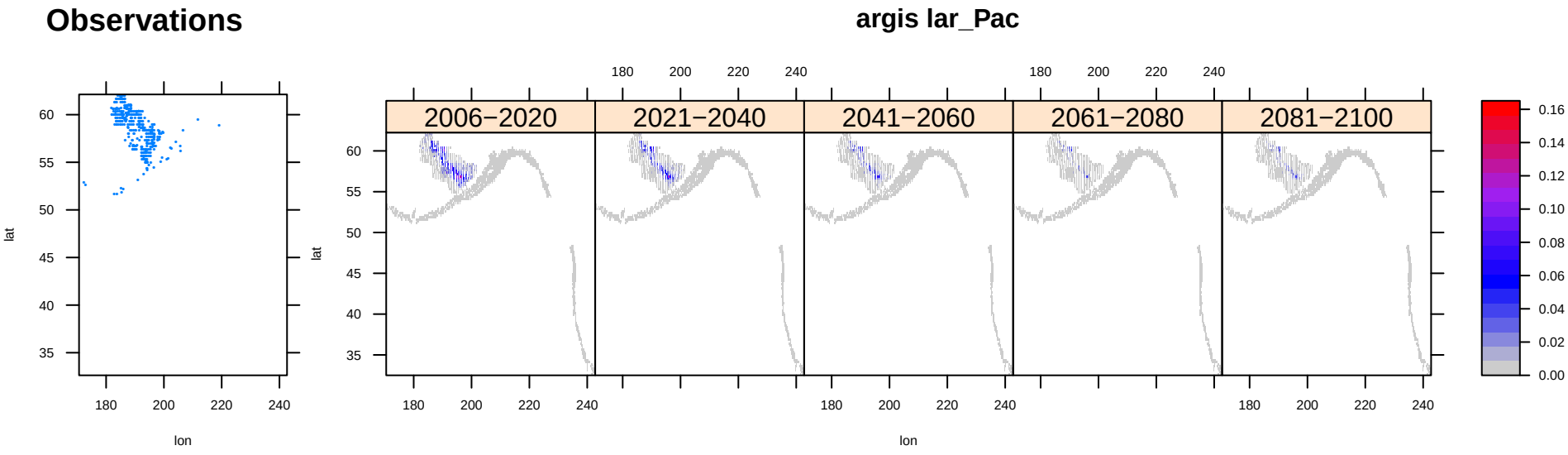
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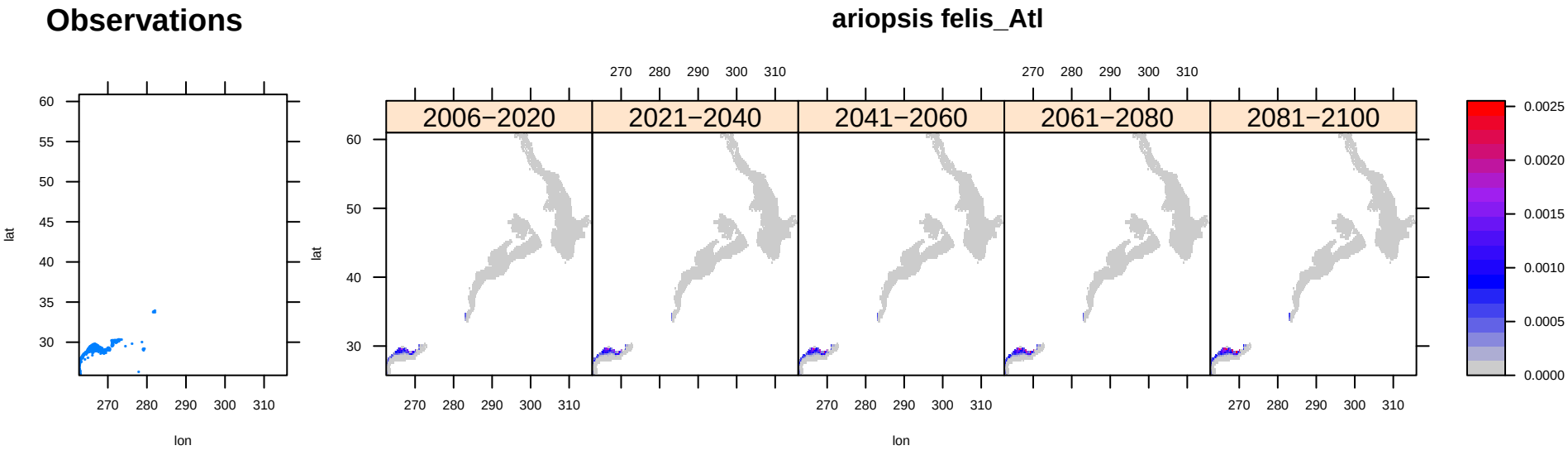
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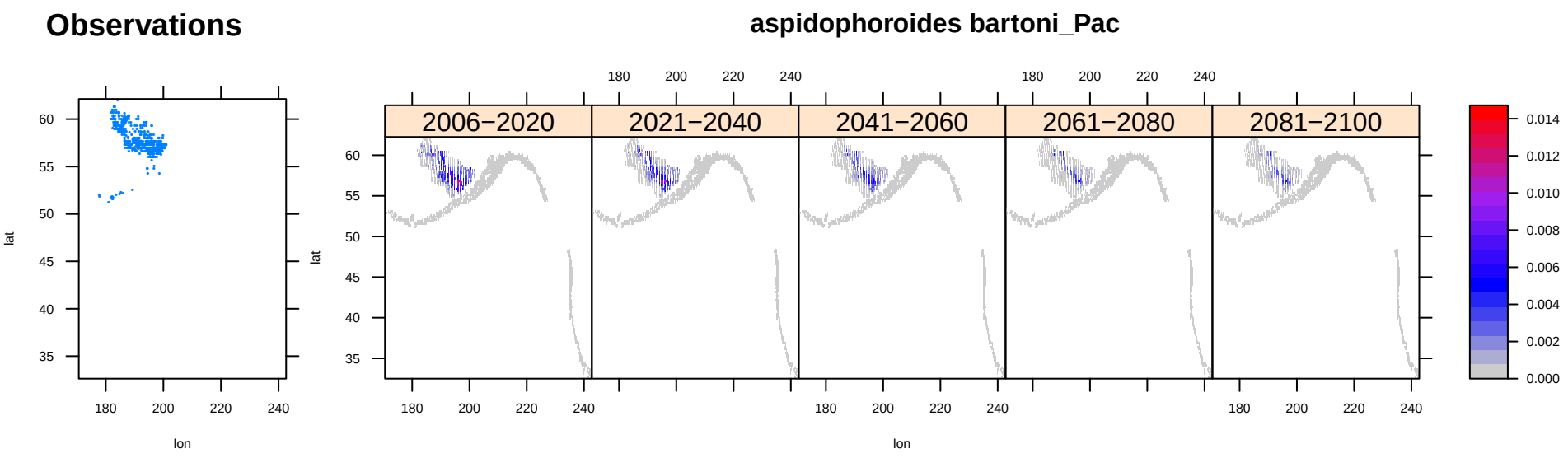
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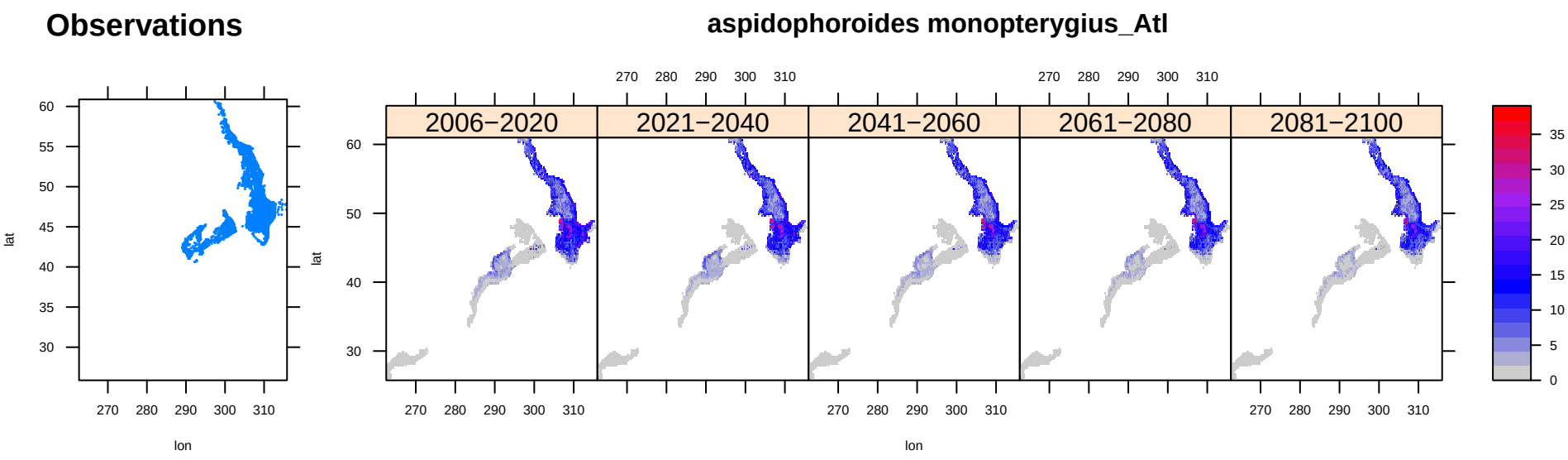
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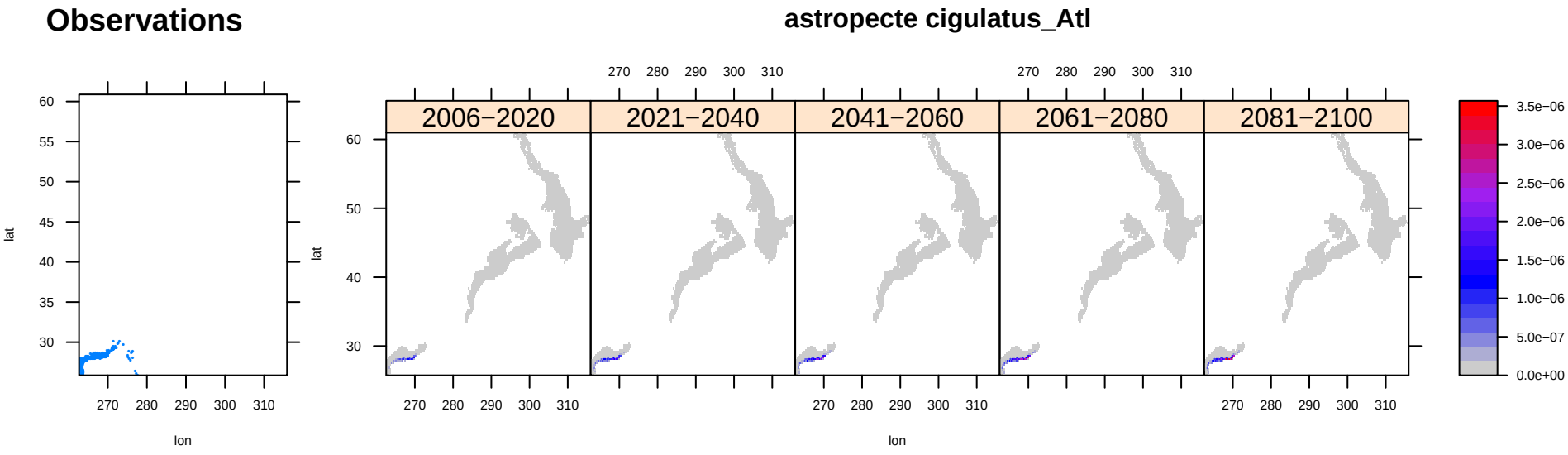
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astropecte cigulatus_Atl
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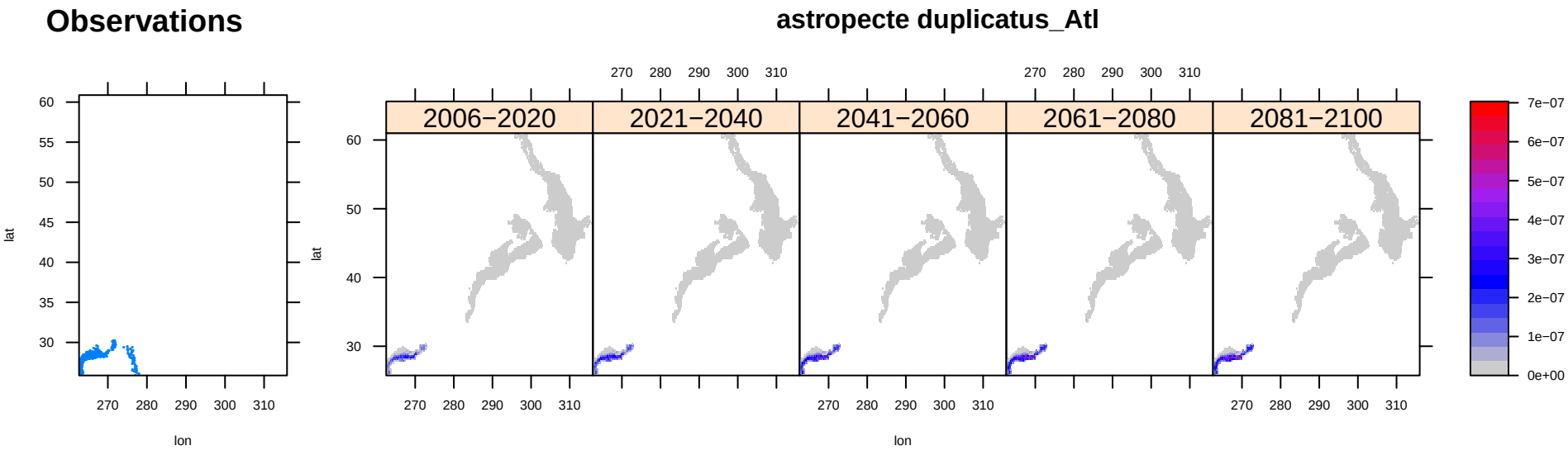
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astropecte duplicatus_Atl
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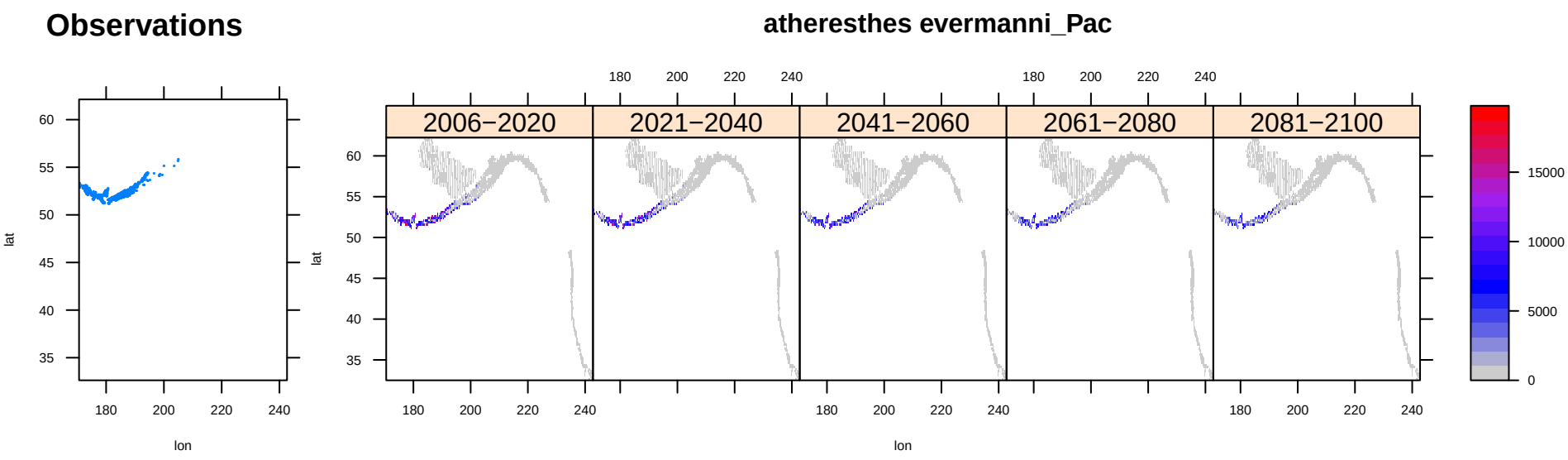
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atheresthes evermanni_Pac
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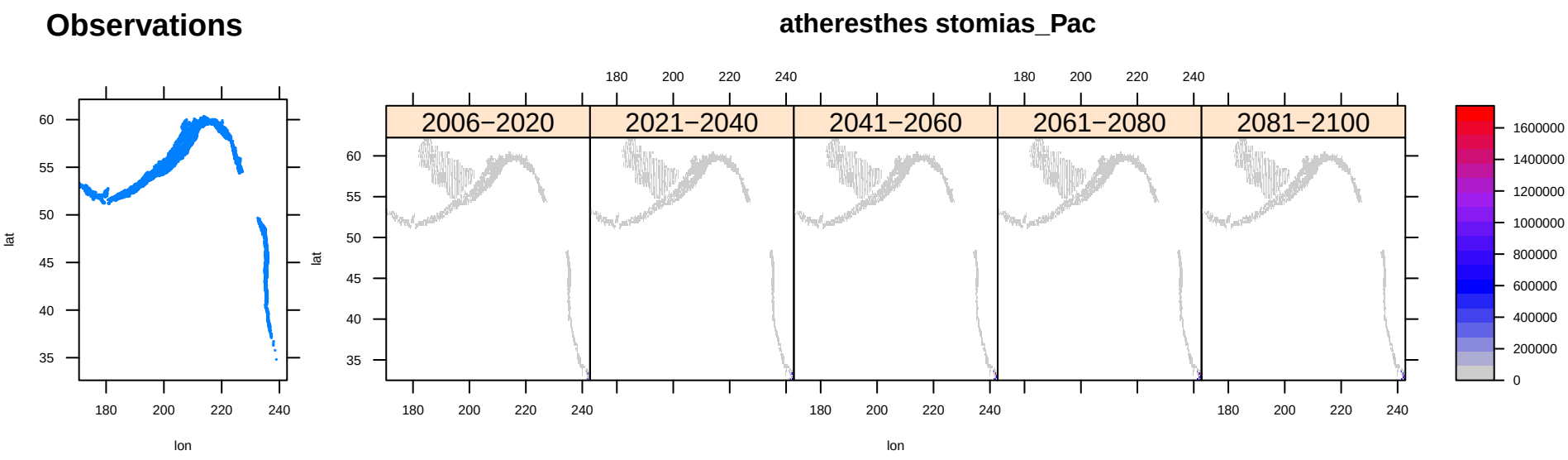
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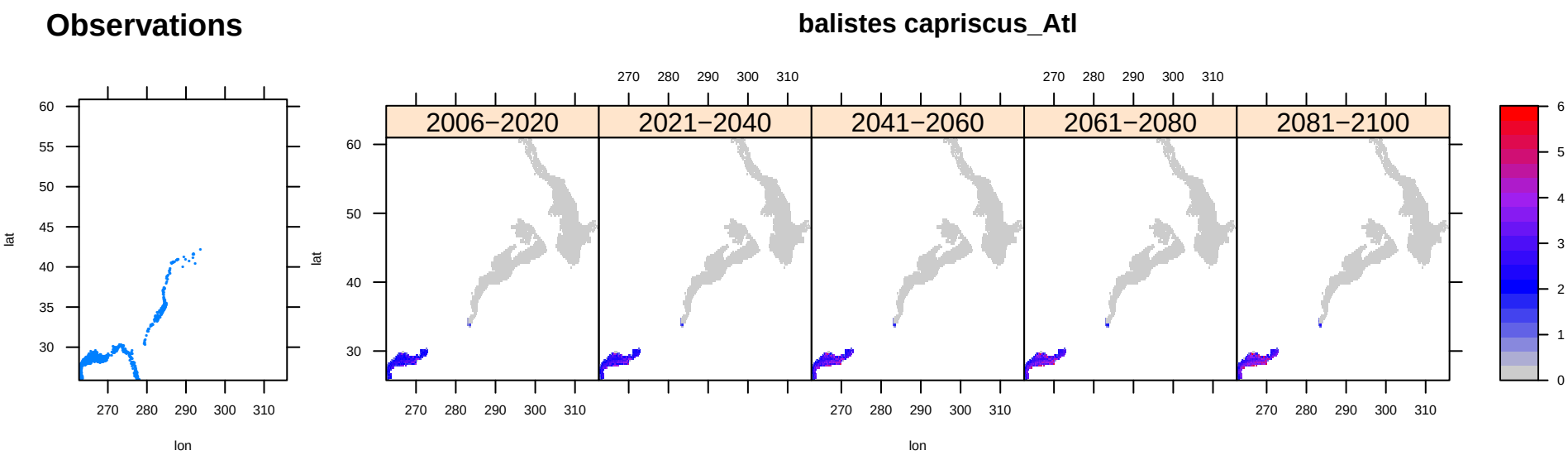
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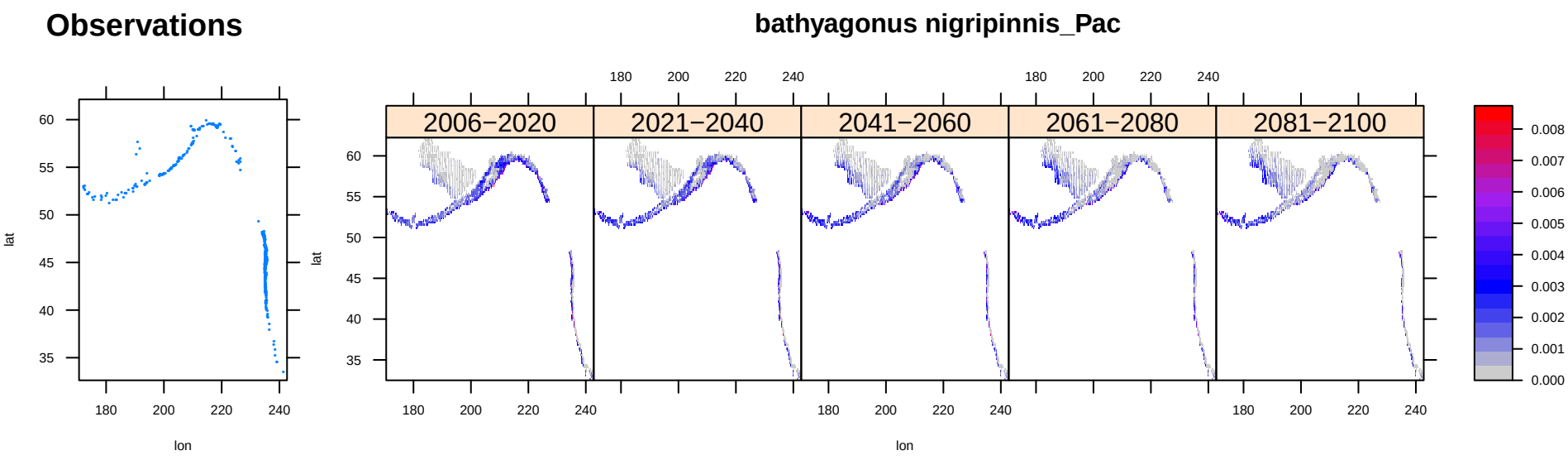
Observations
bathyagonus nigripinnis_Pac
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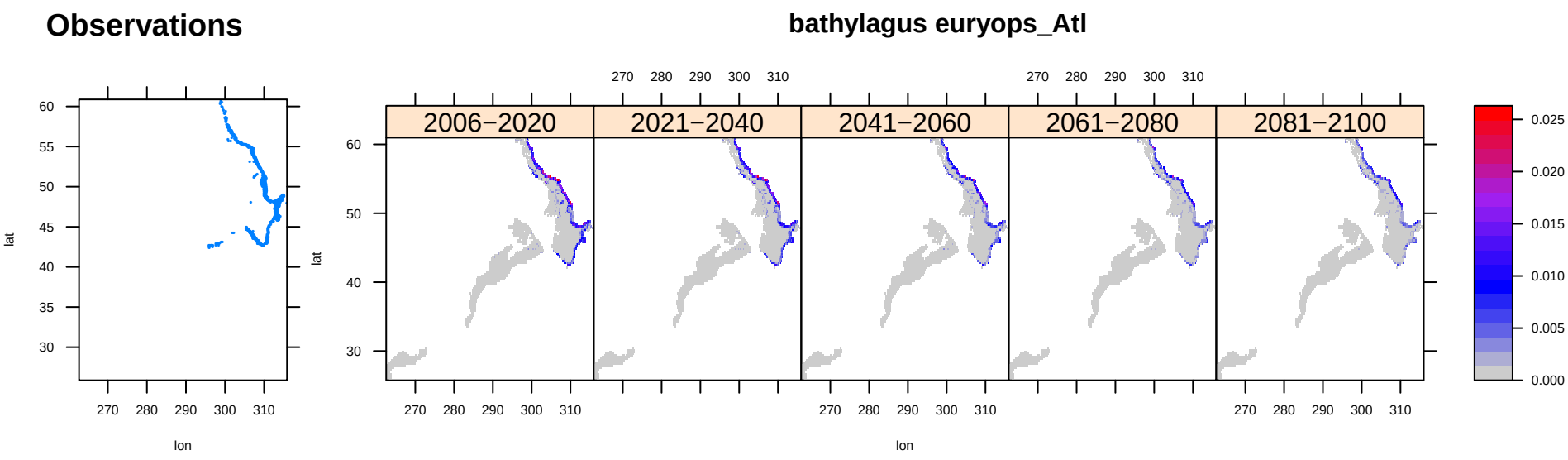
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bathylagus euryops_Atl
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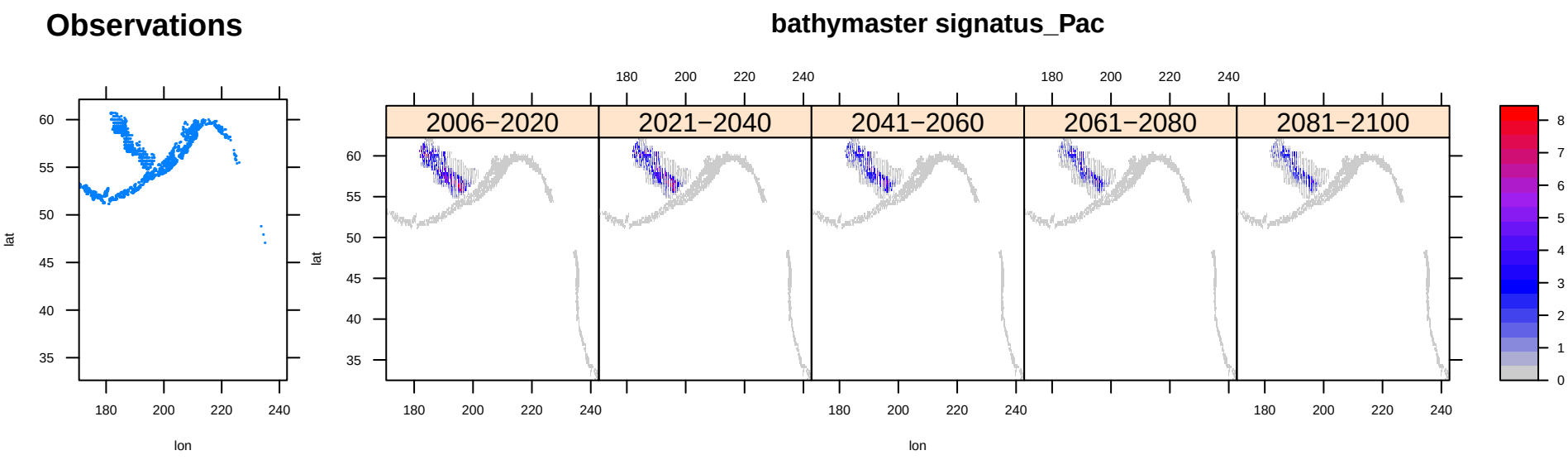
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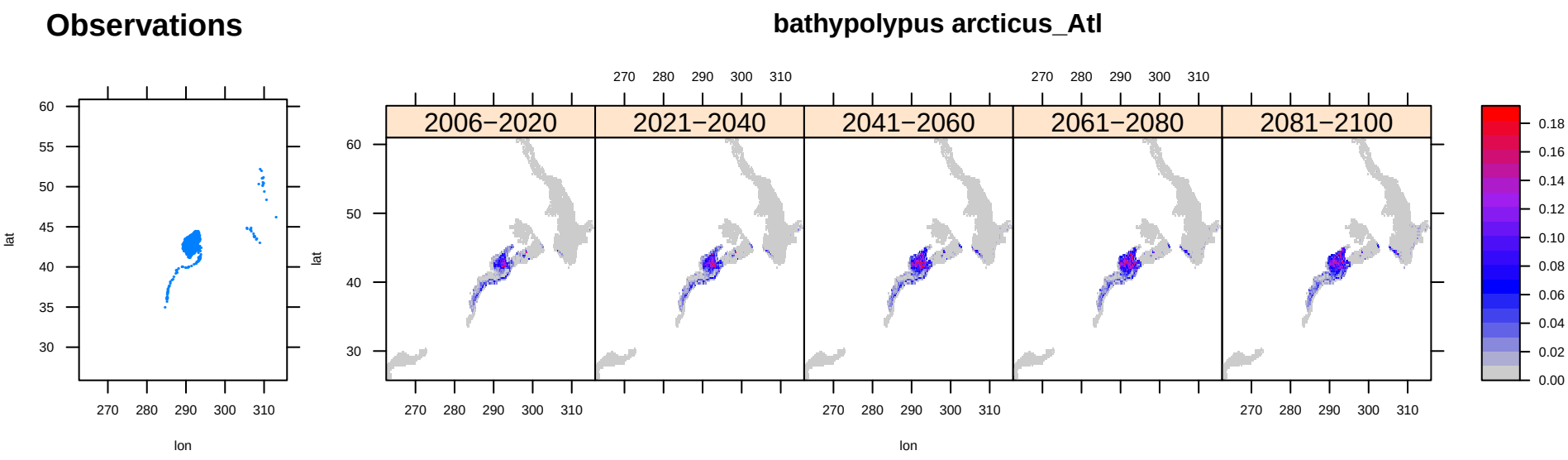
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bathypolypus arcticus_Atl
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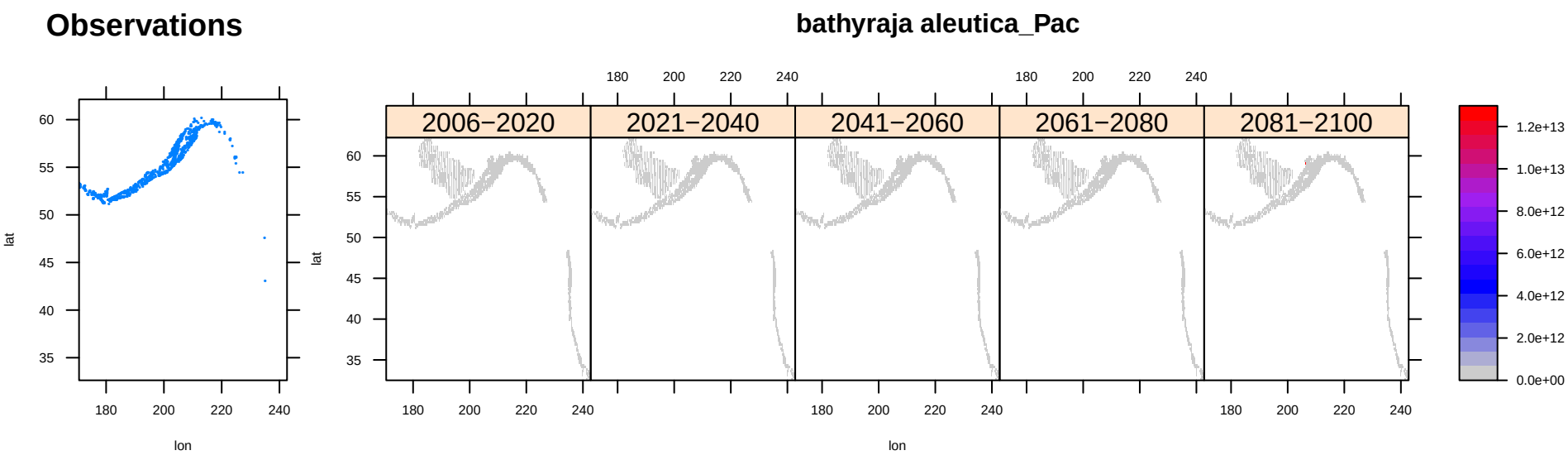
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bathyraja aleutica_Pac
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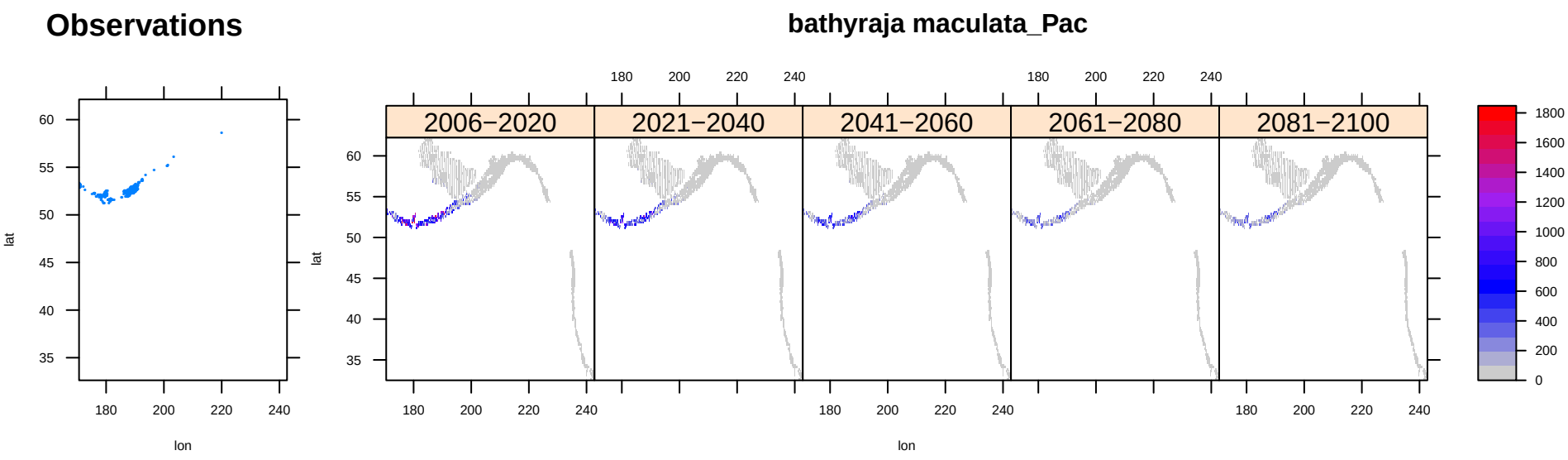
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bathyraja maculata_Pac
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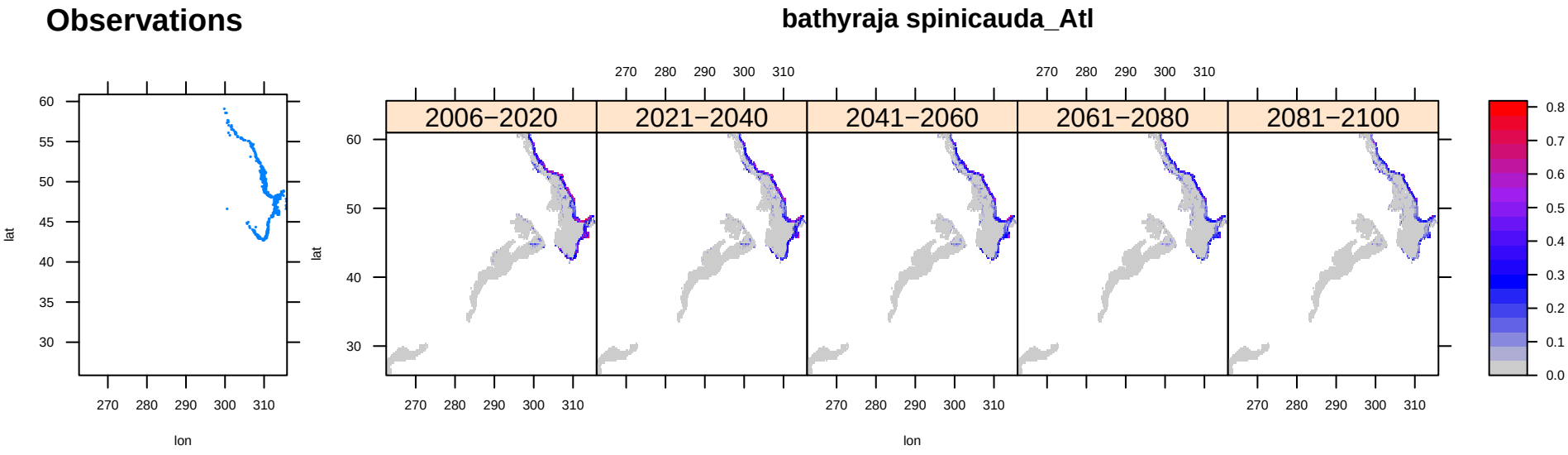
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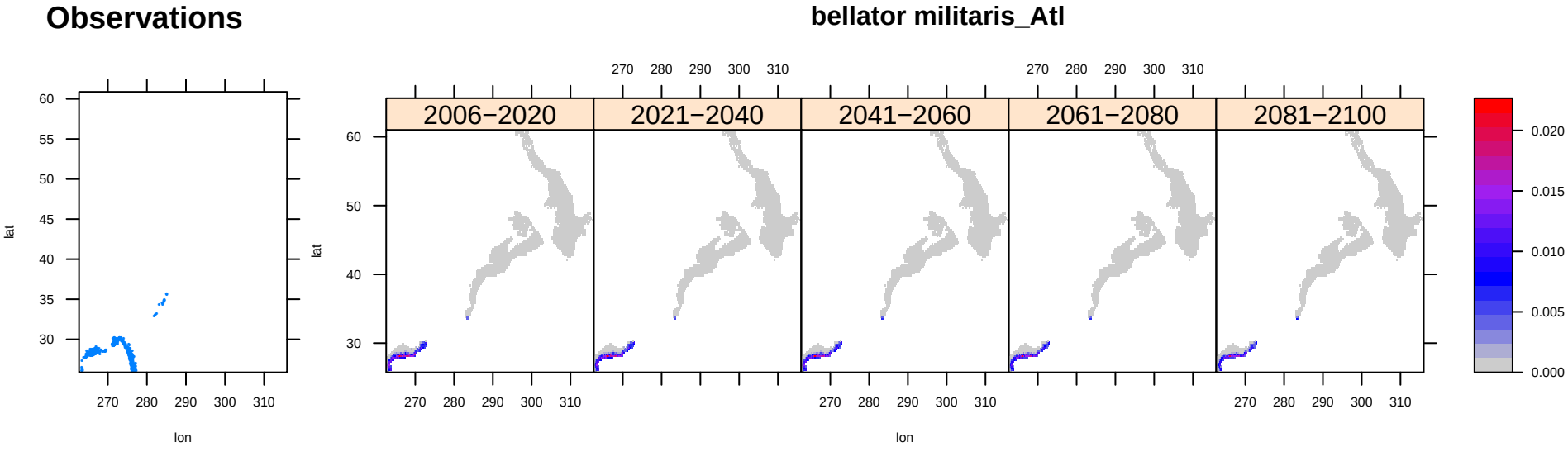
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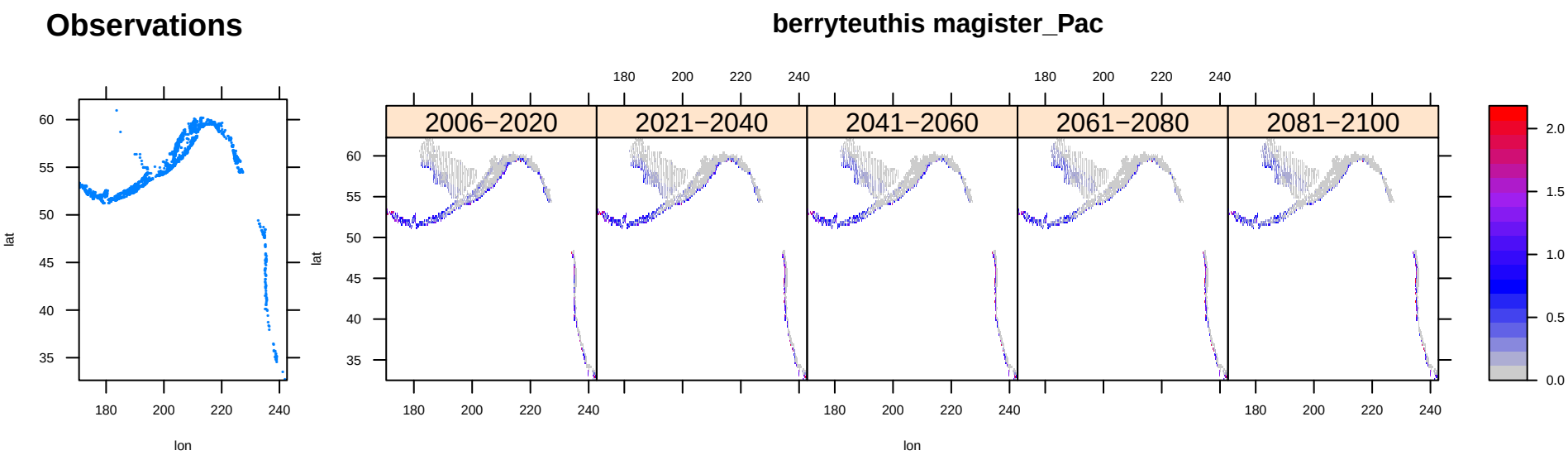
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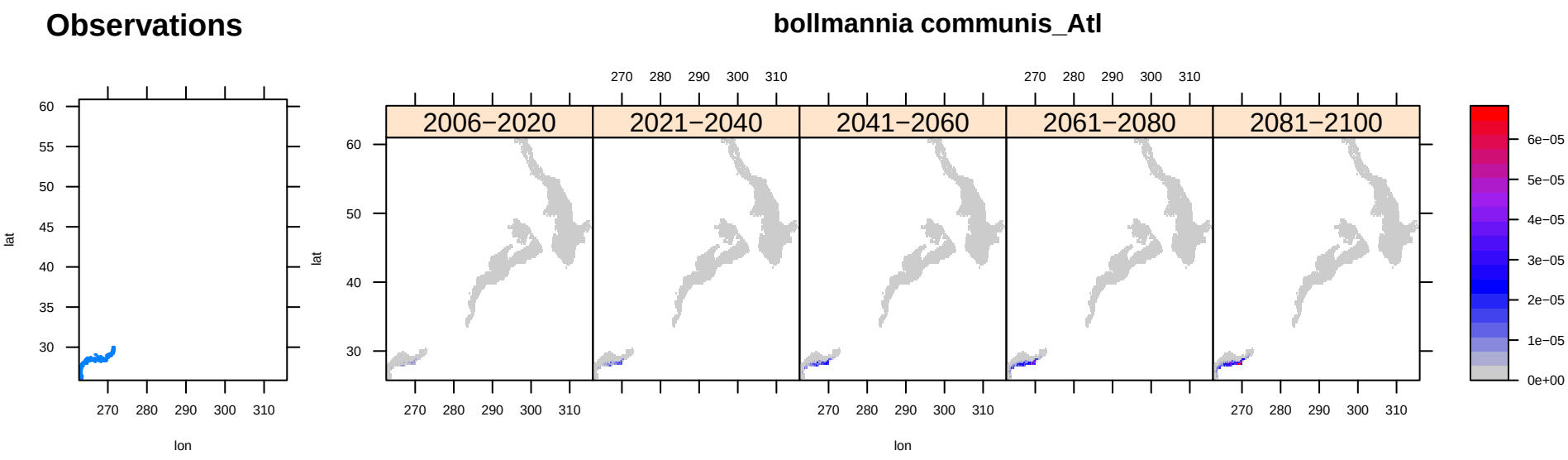
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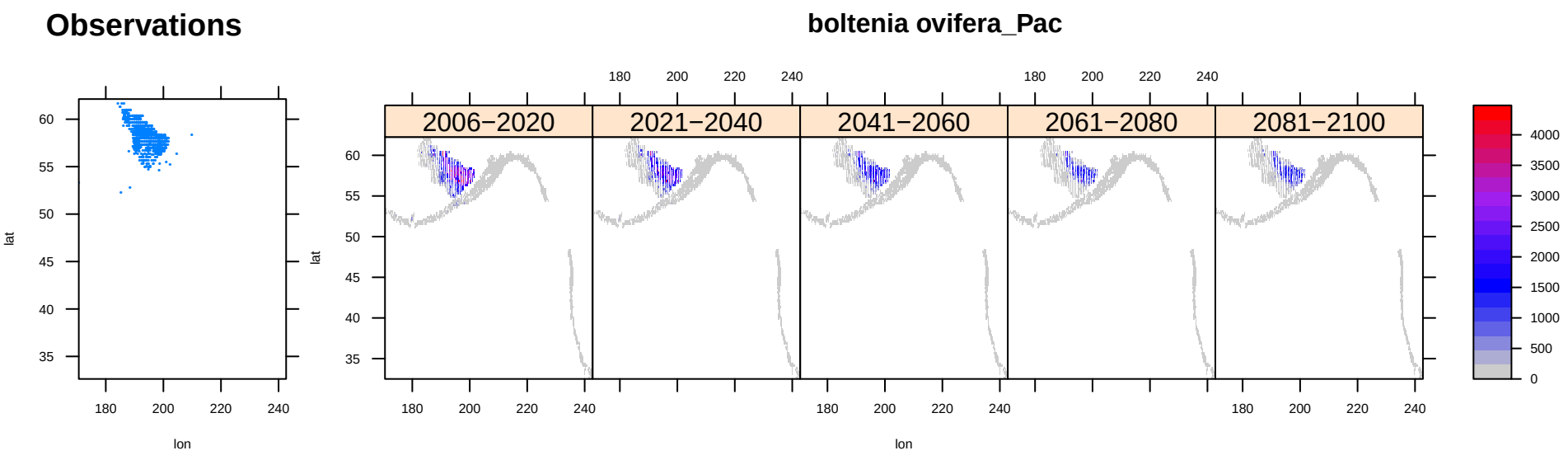
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boltenia ovifera_Pac
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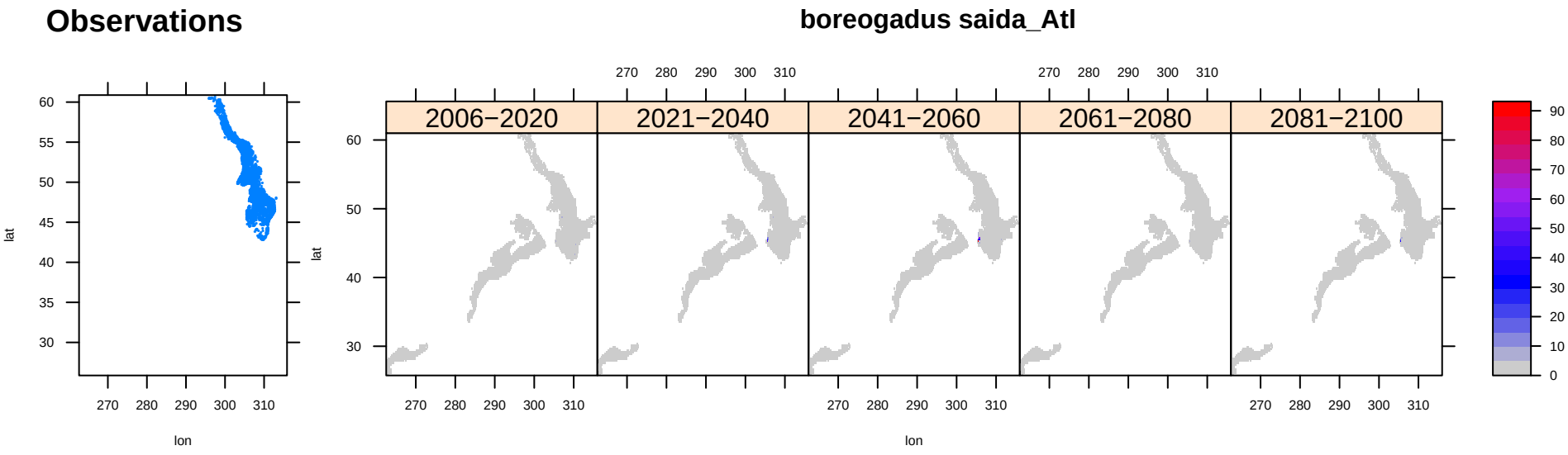
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boreogadus saida_Atl
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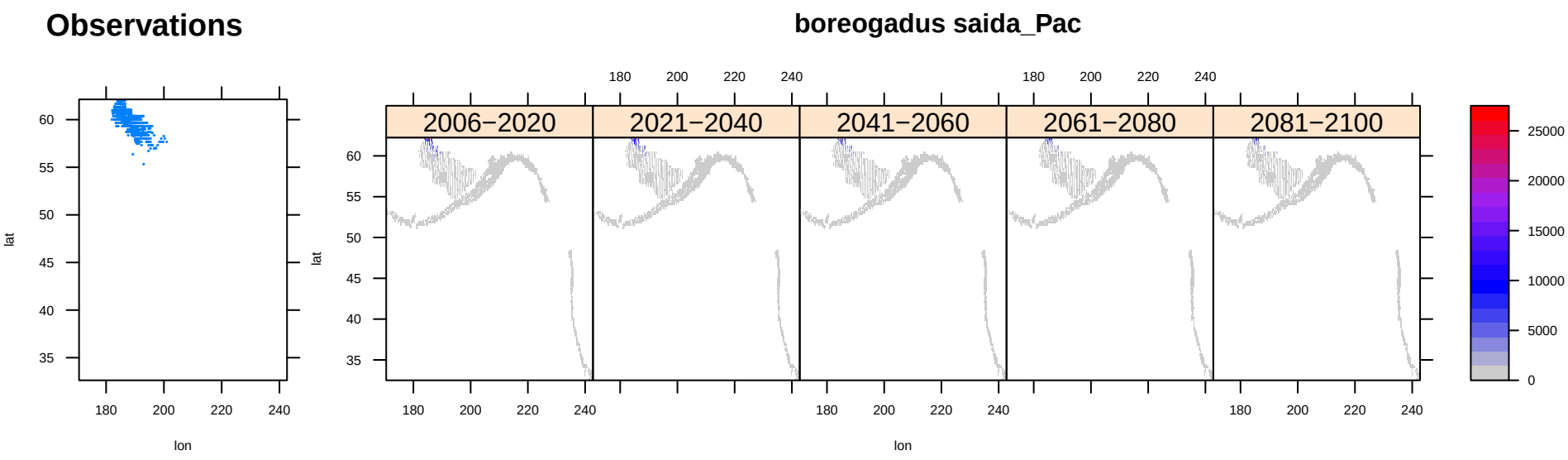
Observations
boreogadus saida_Pac
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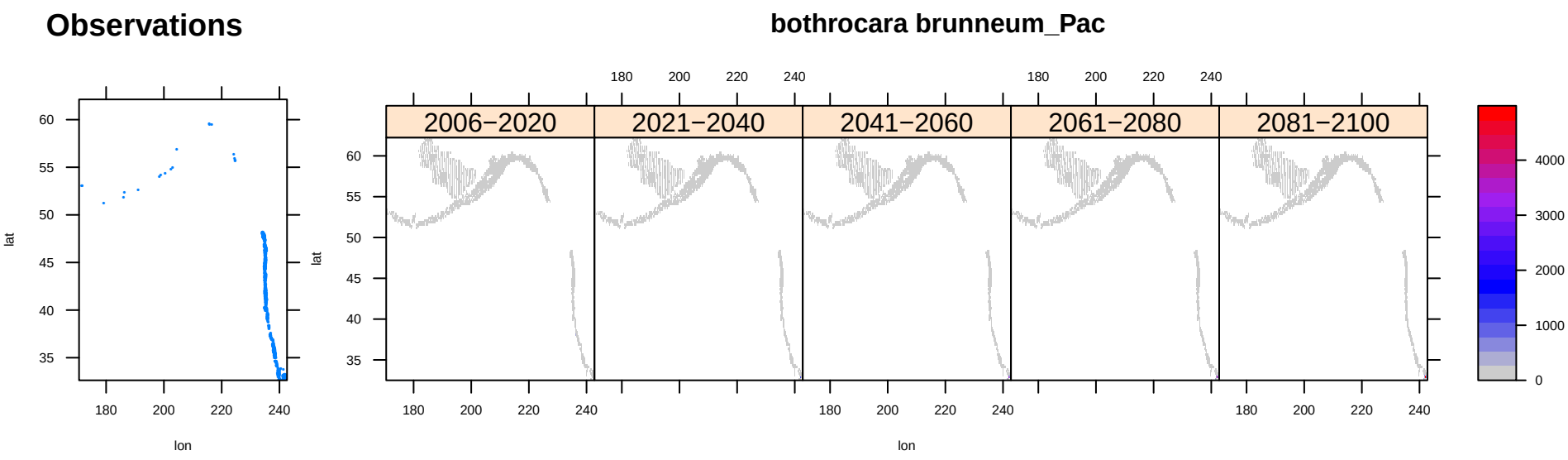
Observations
bothrocara brunneum_Pac
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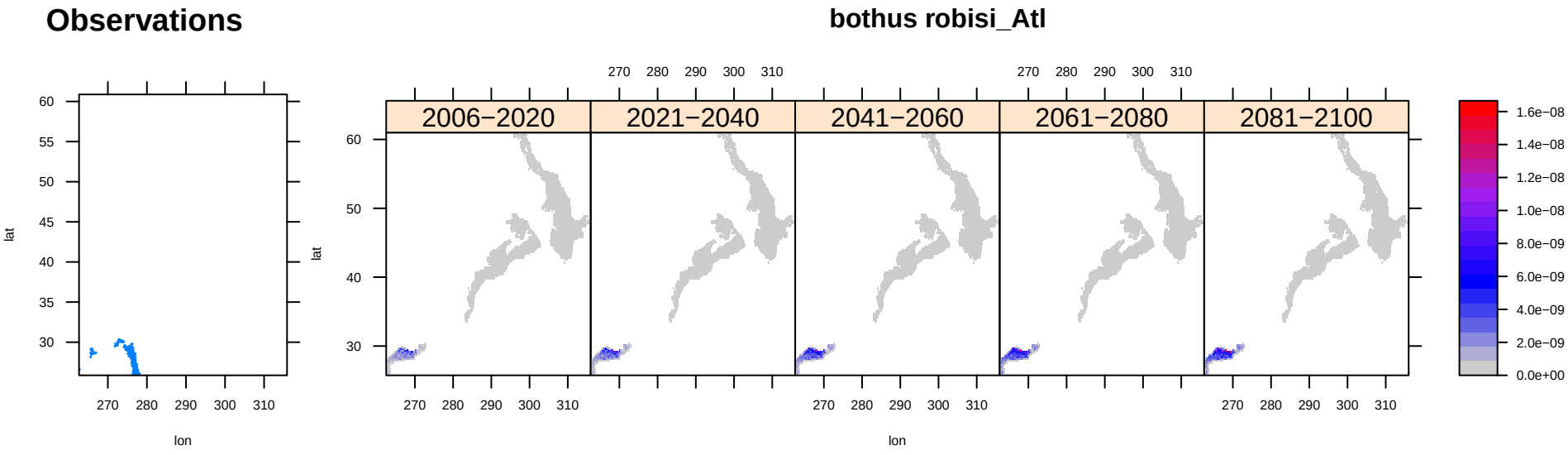
Observations
bothus robisi_Atl
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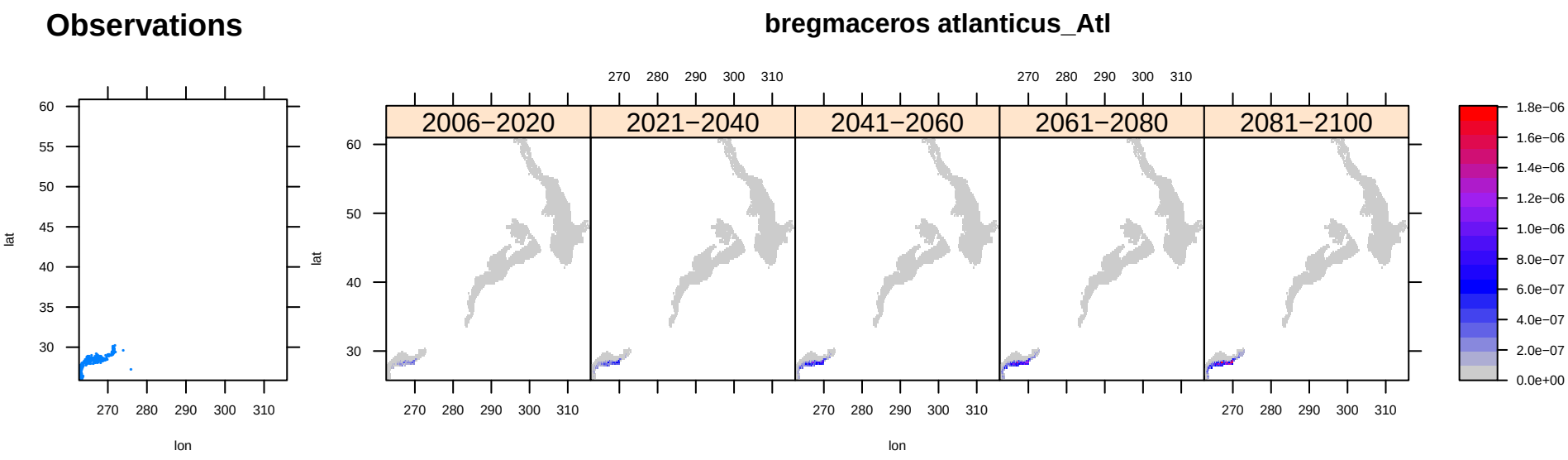
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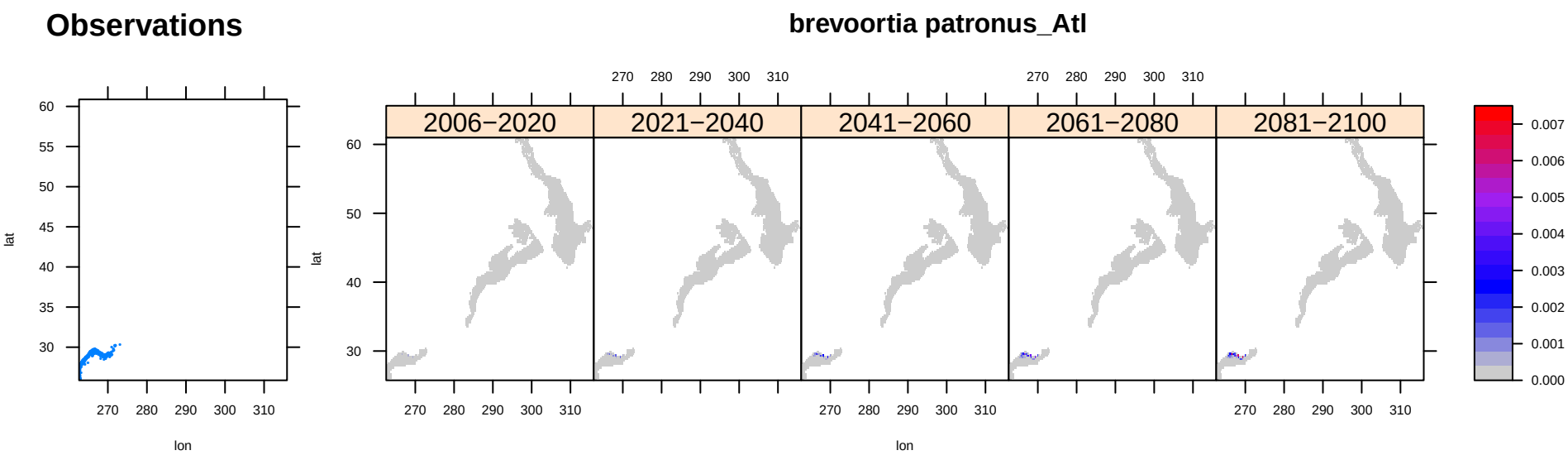
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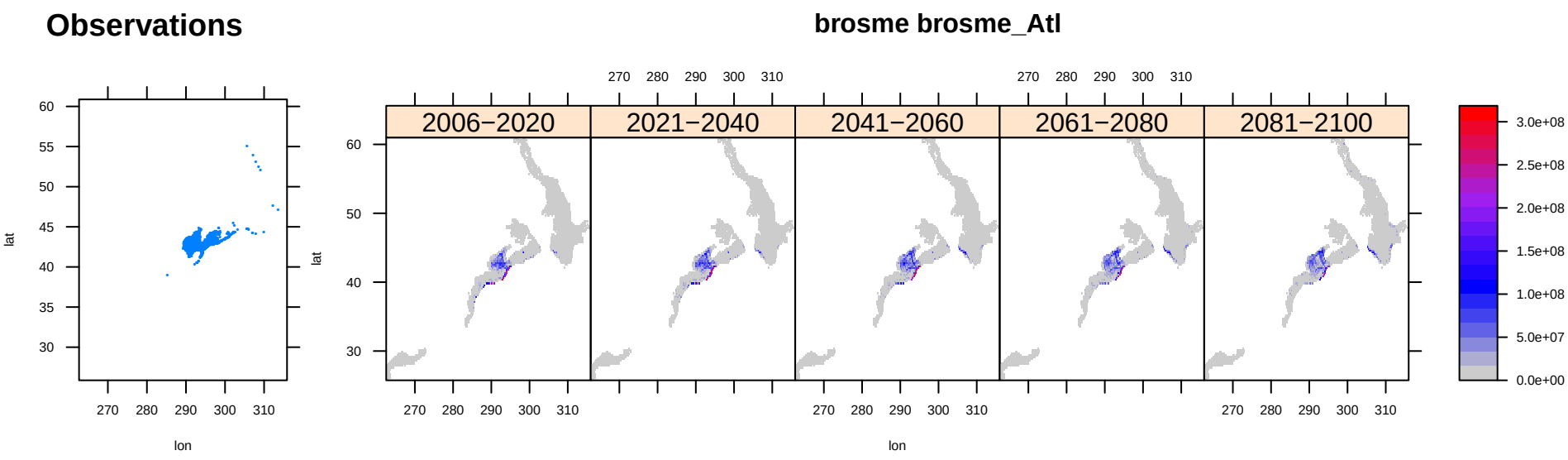
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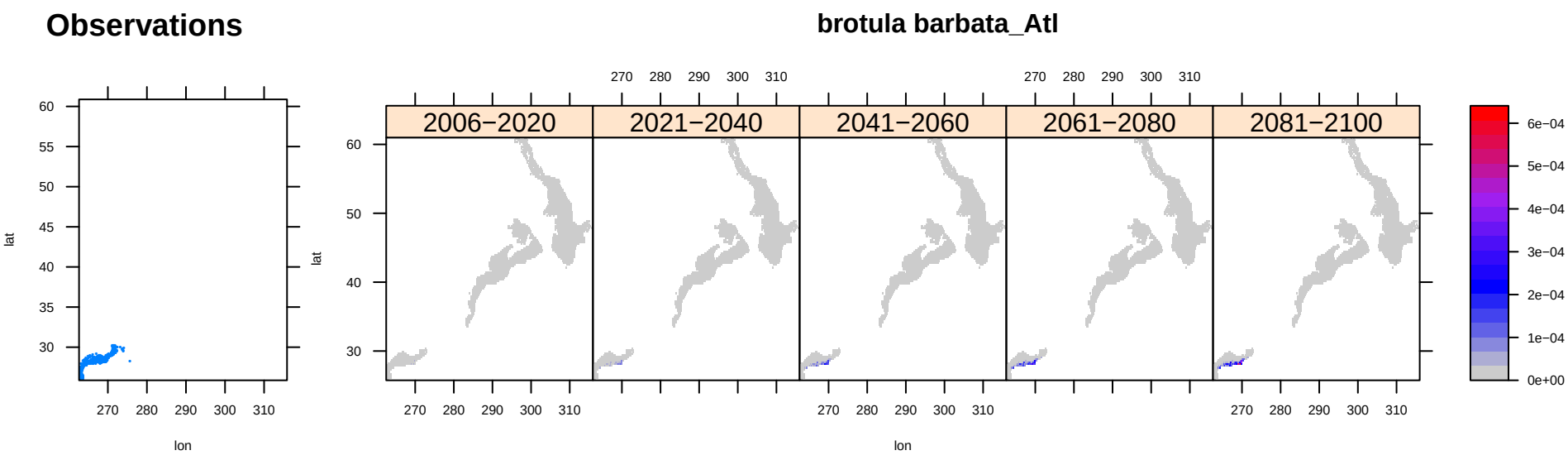
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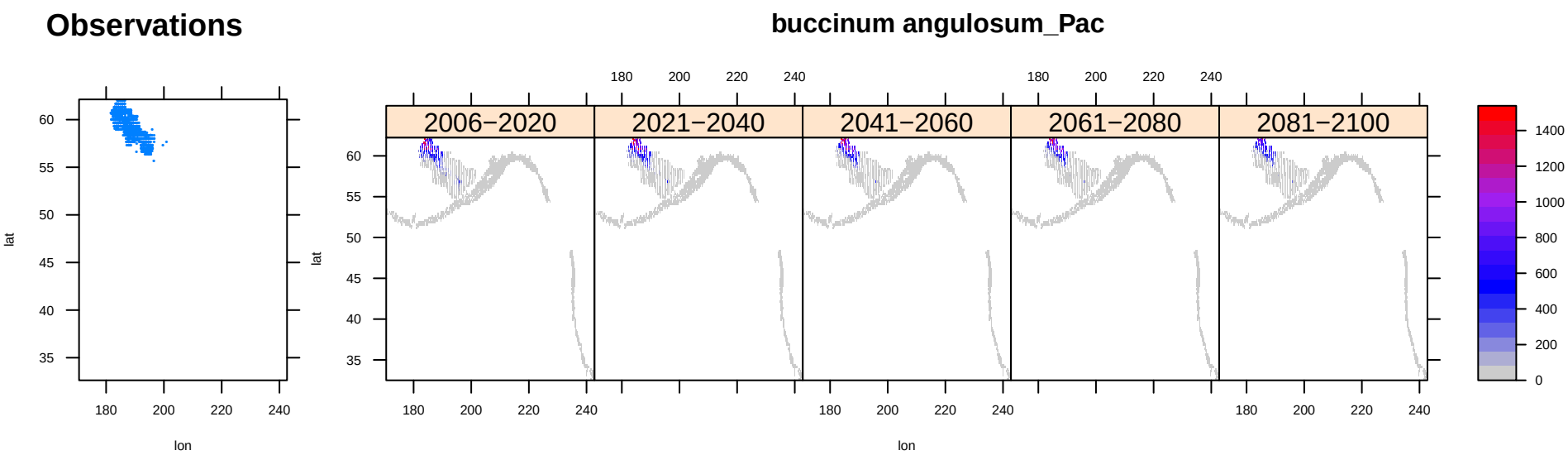
Observations
buccinum angulosum_Pac
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2061−2080
2081−2100
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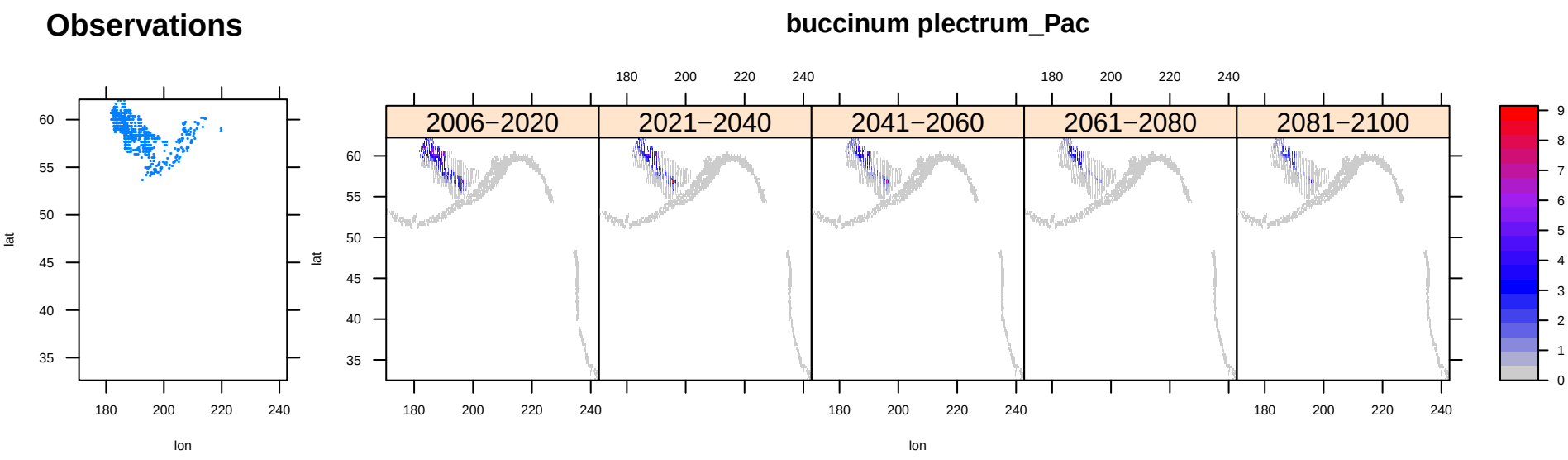
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lat
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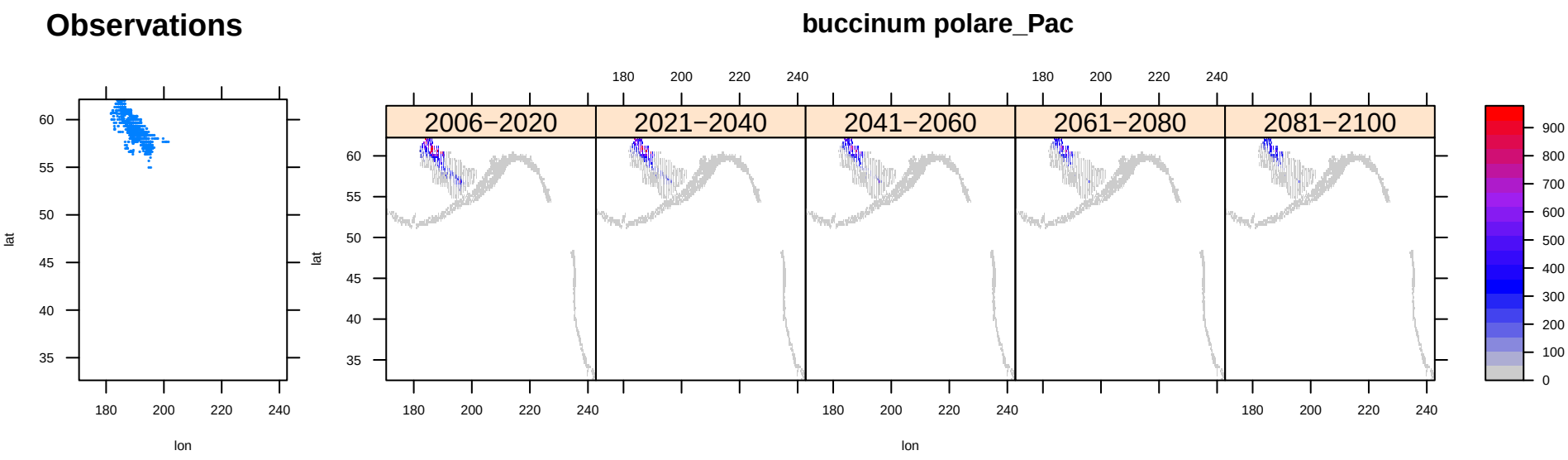
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buccinum polare_Pac
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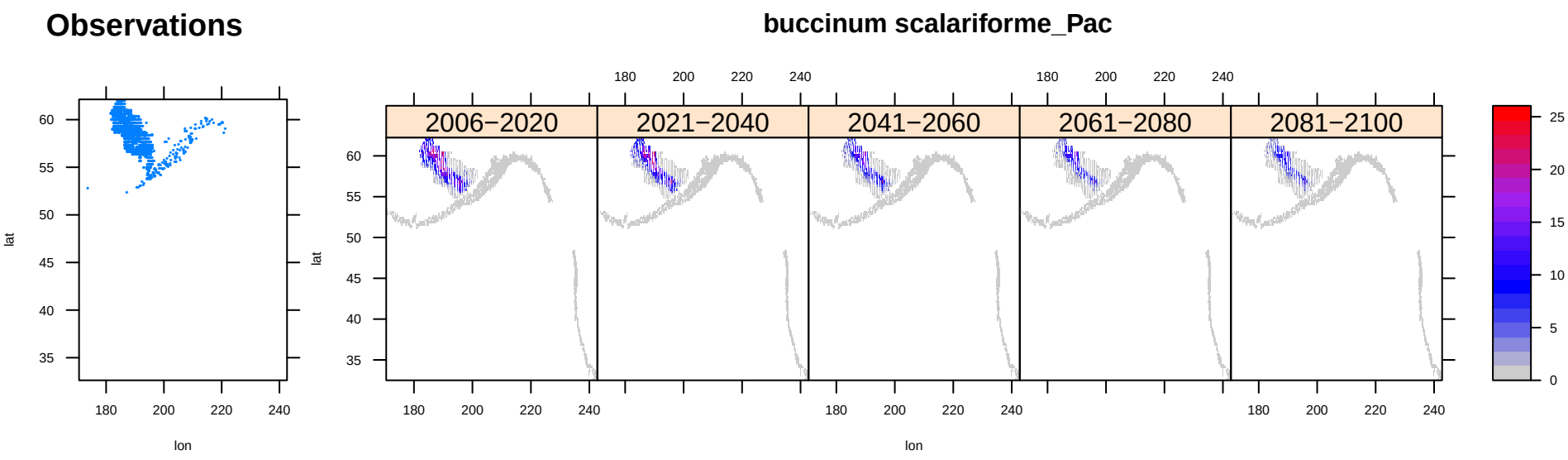
Observations
buccinum scalariforme_Pac
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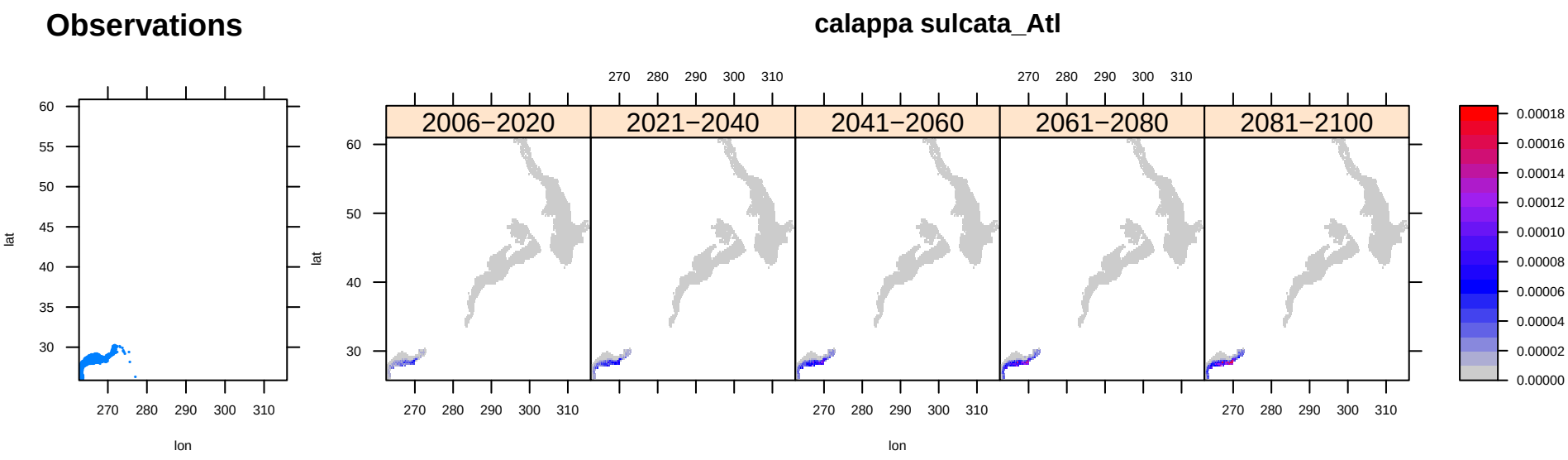
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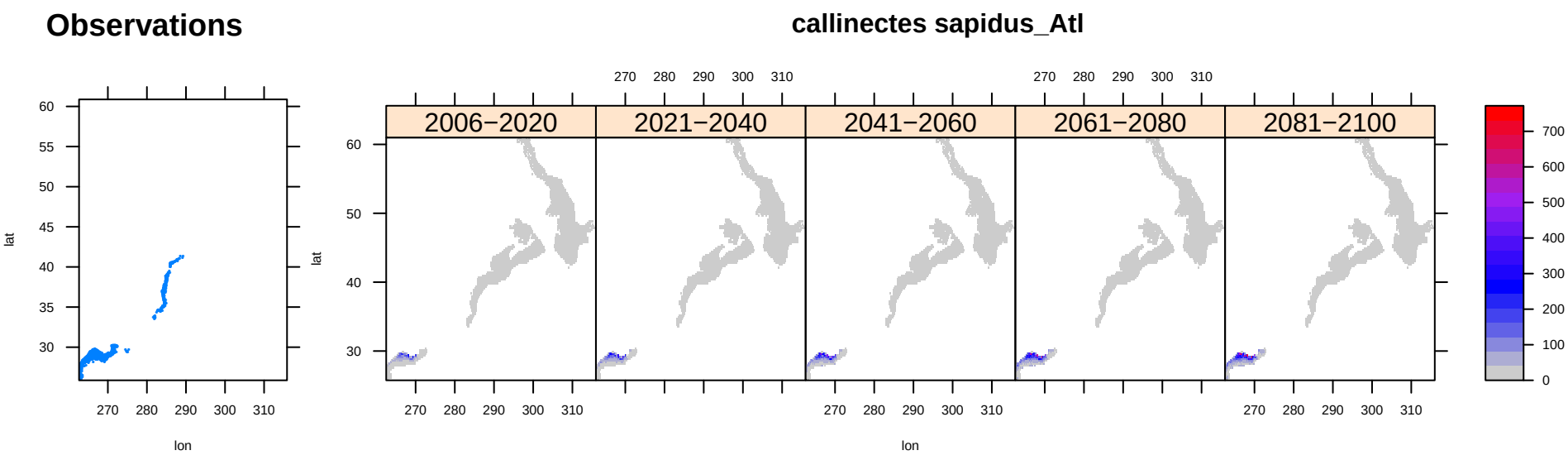
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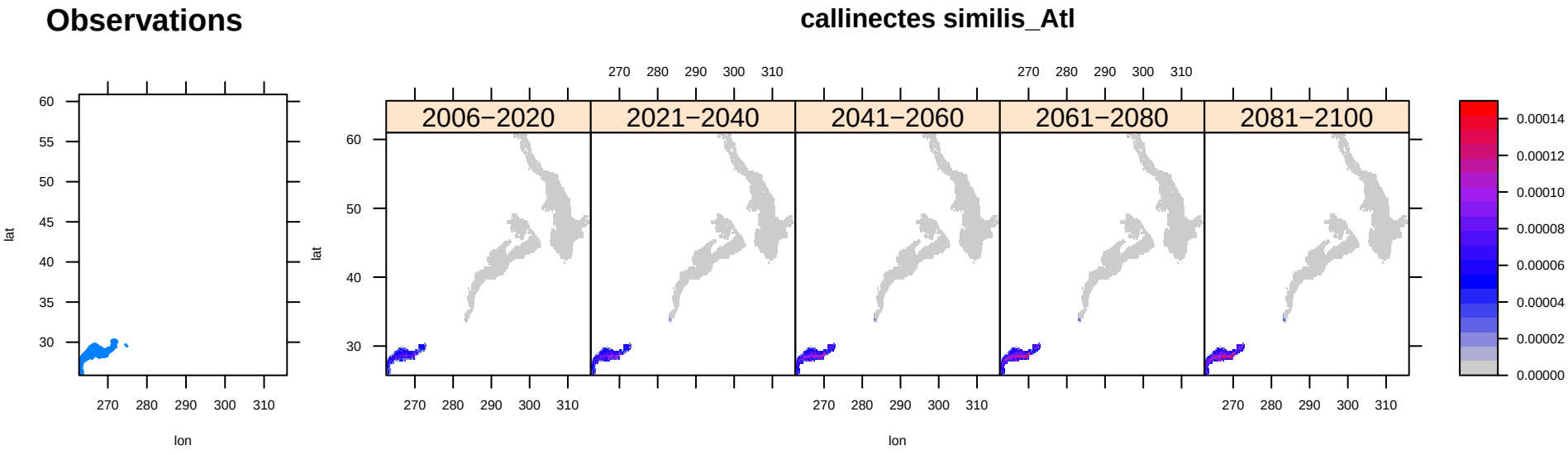
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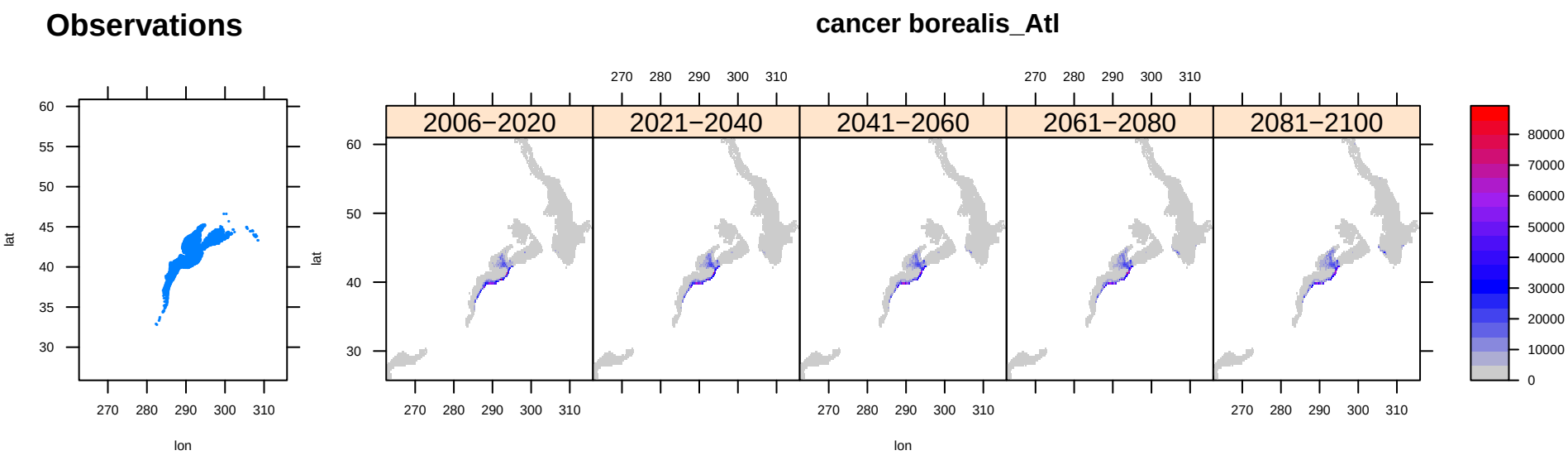
Observations
cancer borealis_Atl
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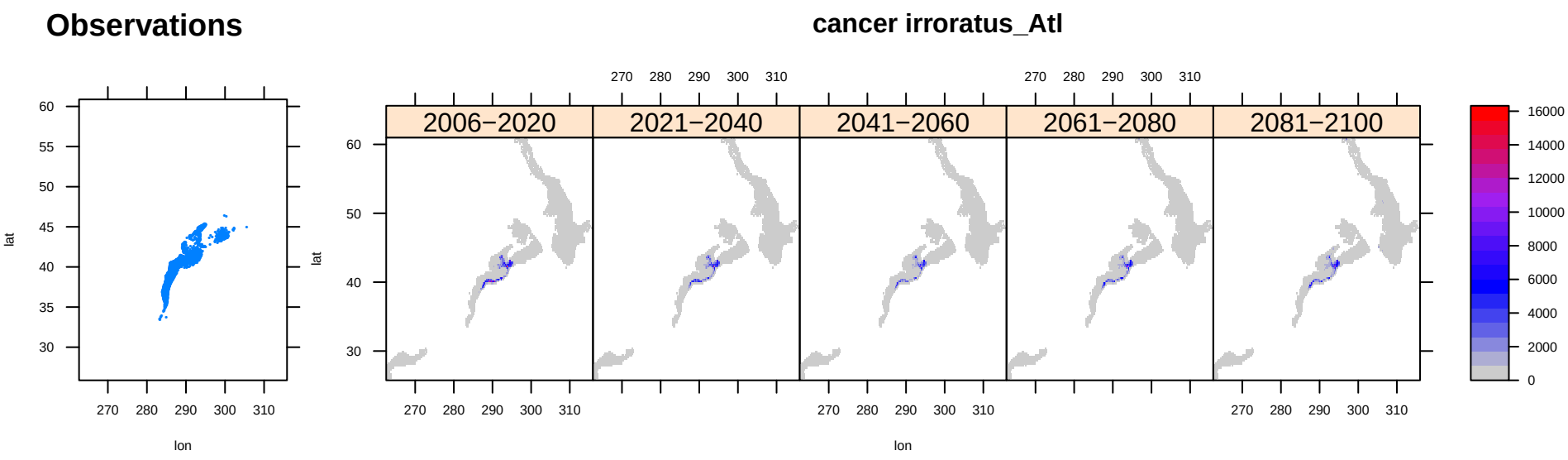
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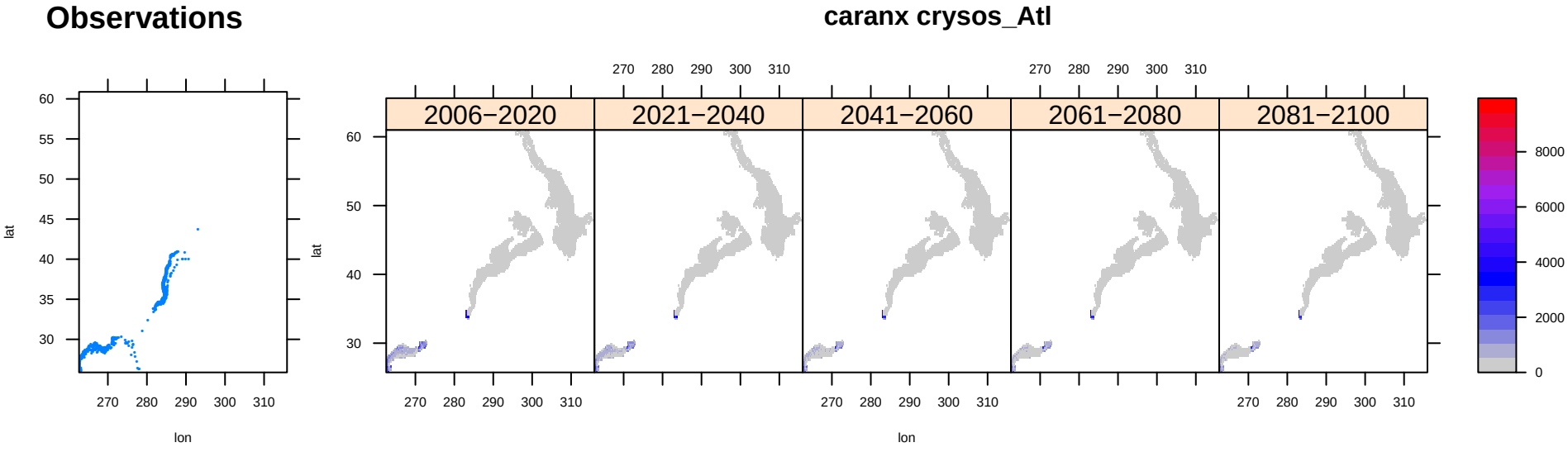
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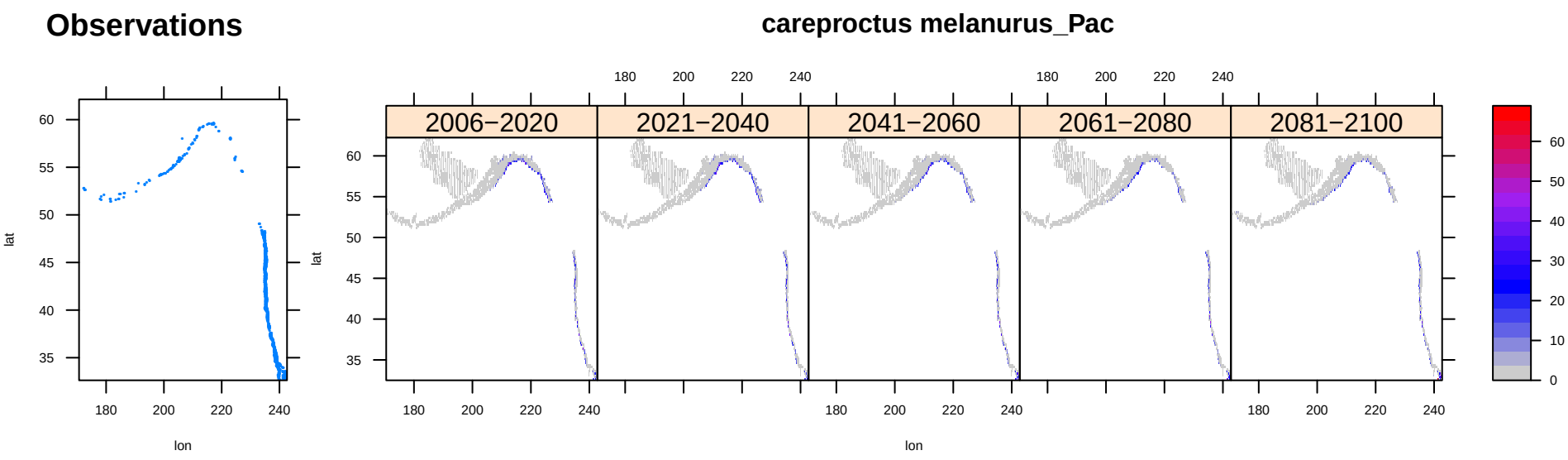
Observations
careproctus melanurus_Pac
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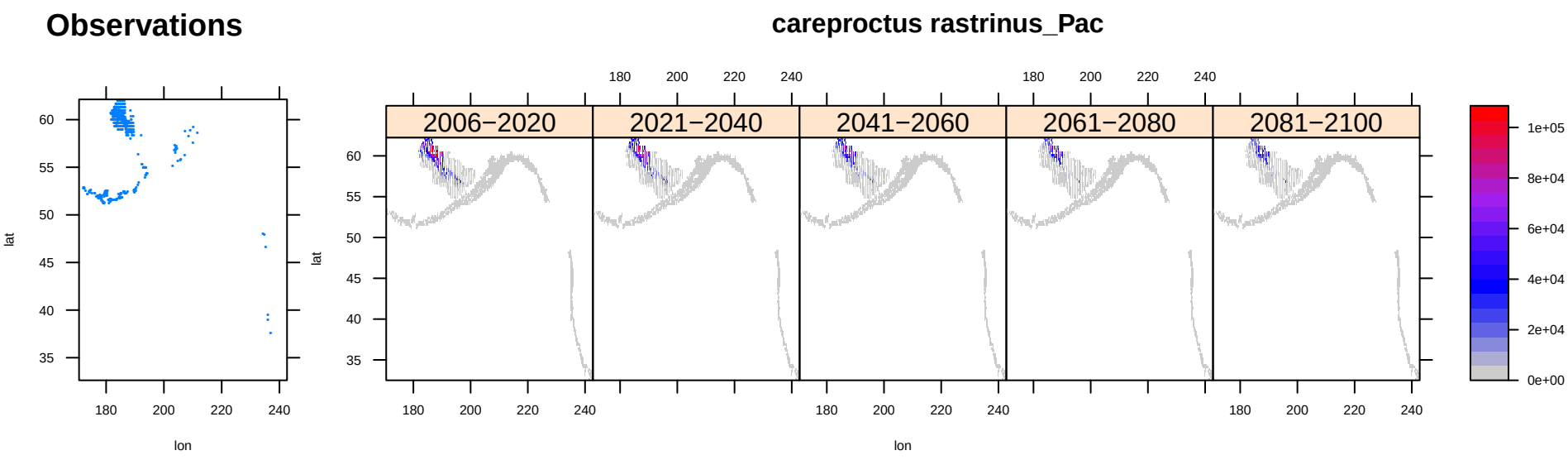
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careproctus rastrinus_Pac
2006−2020
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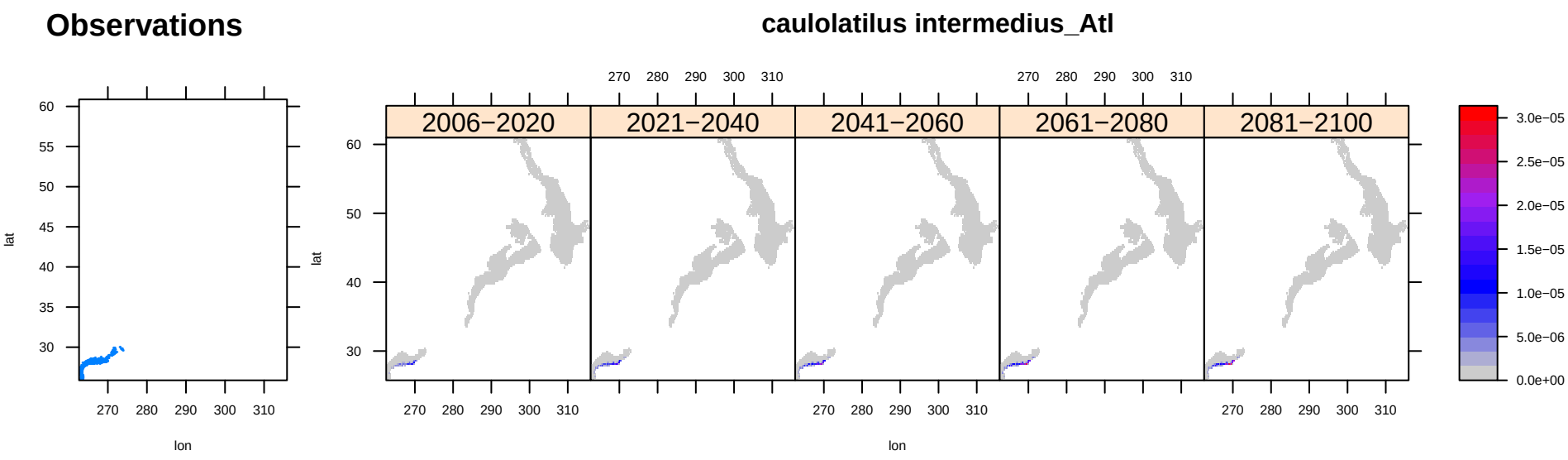
Observations
caulolatilus intermedius_Atl
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lon
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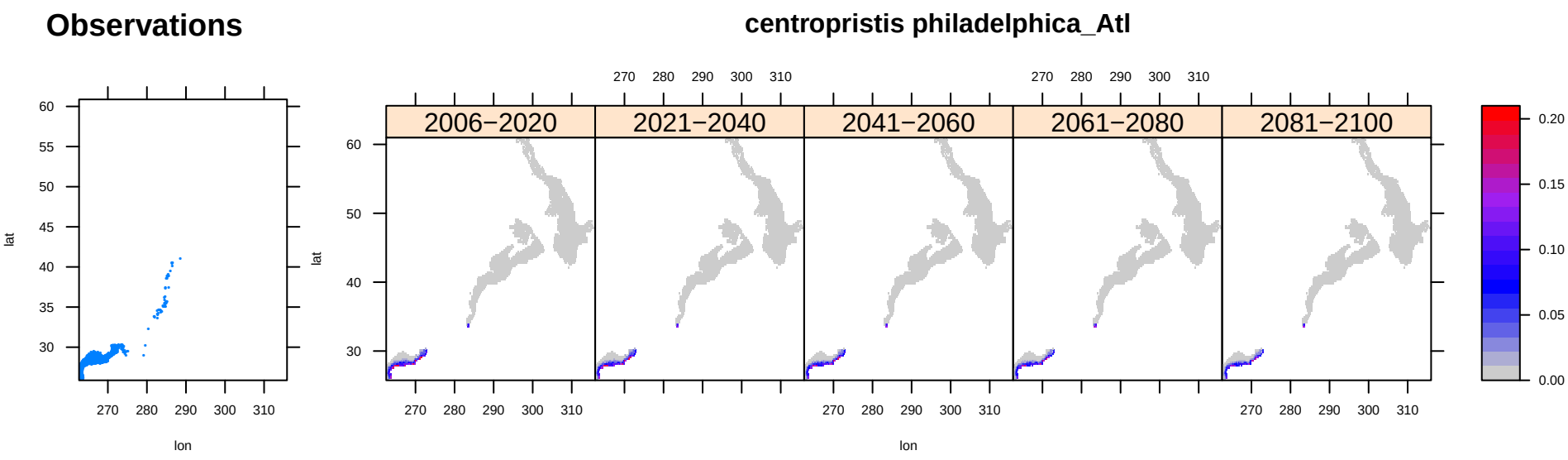
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centropristis philadelphica_Atl
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lon
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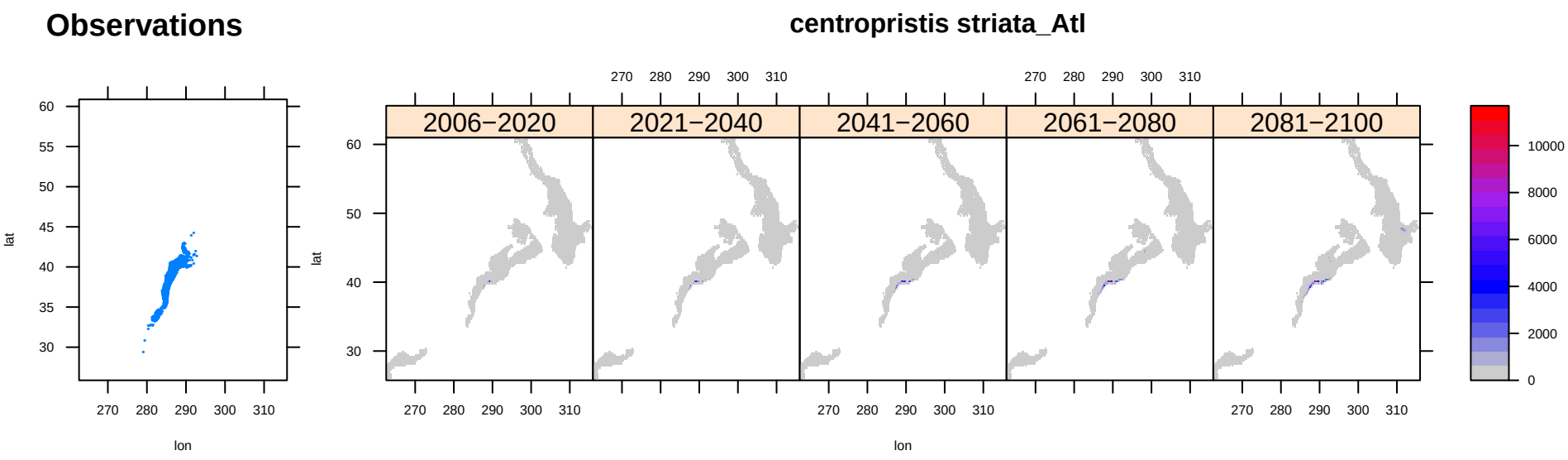
Observations
centropristis striata_Atl
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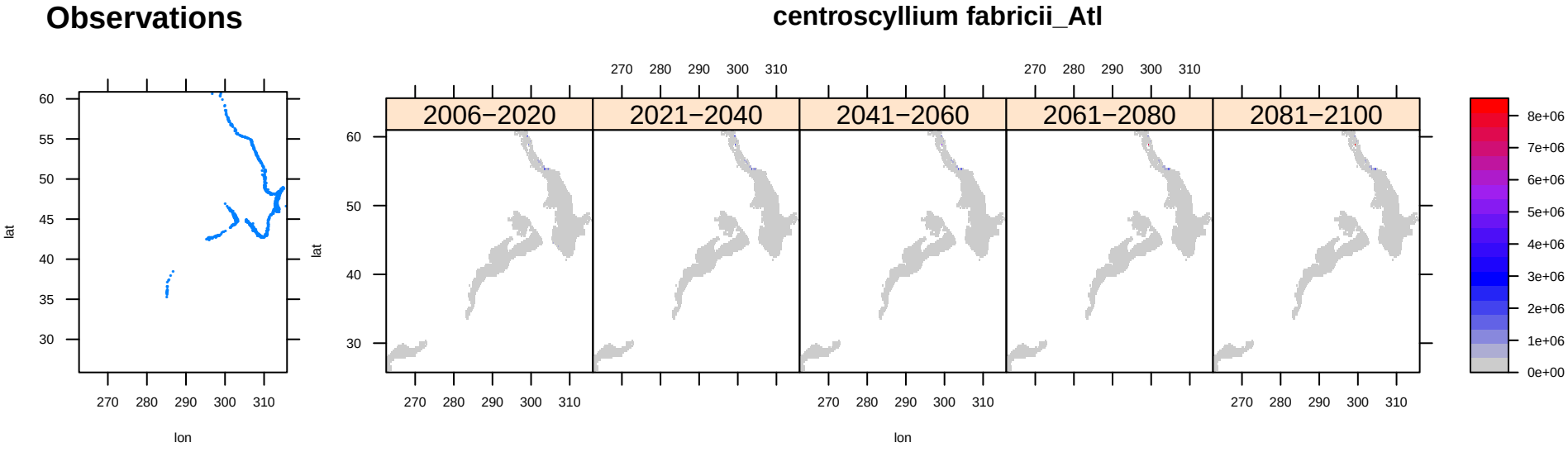
Observations
centroscyllium fabricii_Atl
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lat
lon
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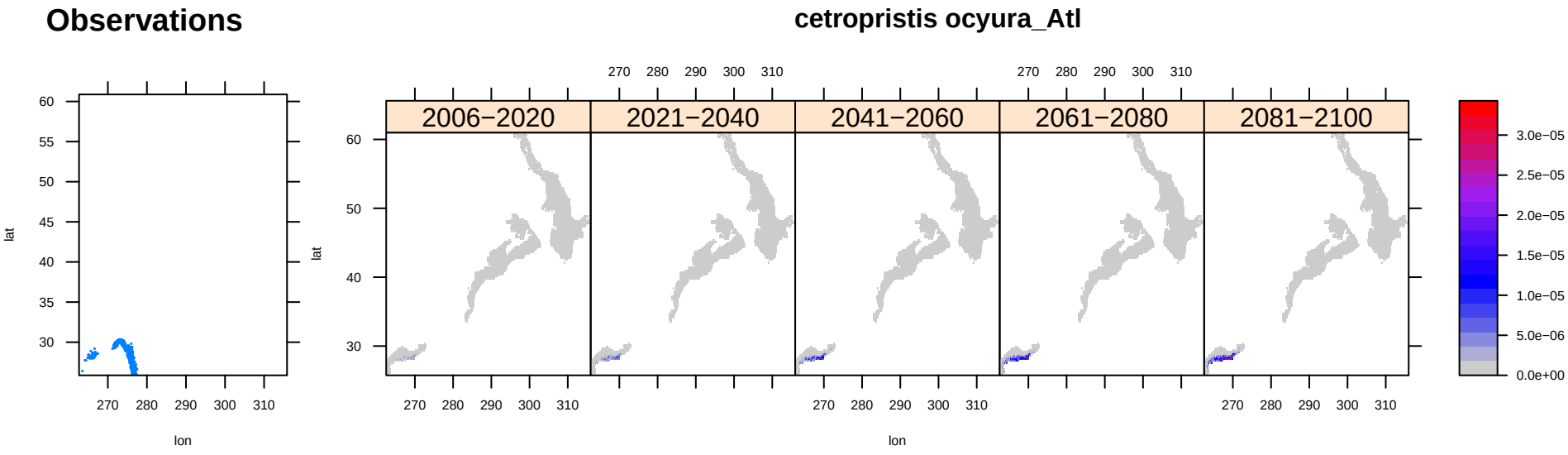
Observations
cetropristis ocyura_Atl
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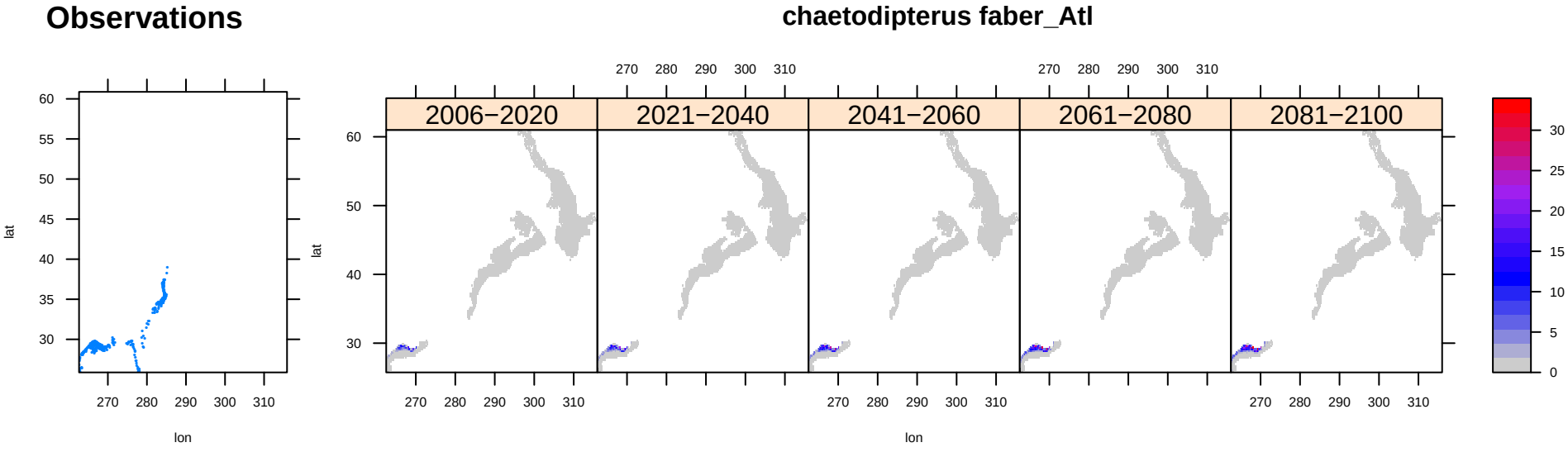
Observations
chaetodipterus faber_Atl
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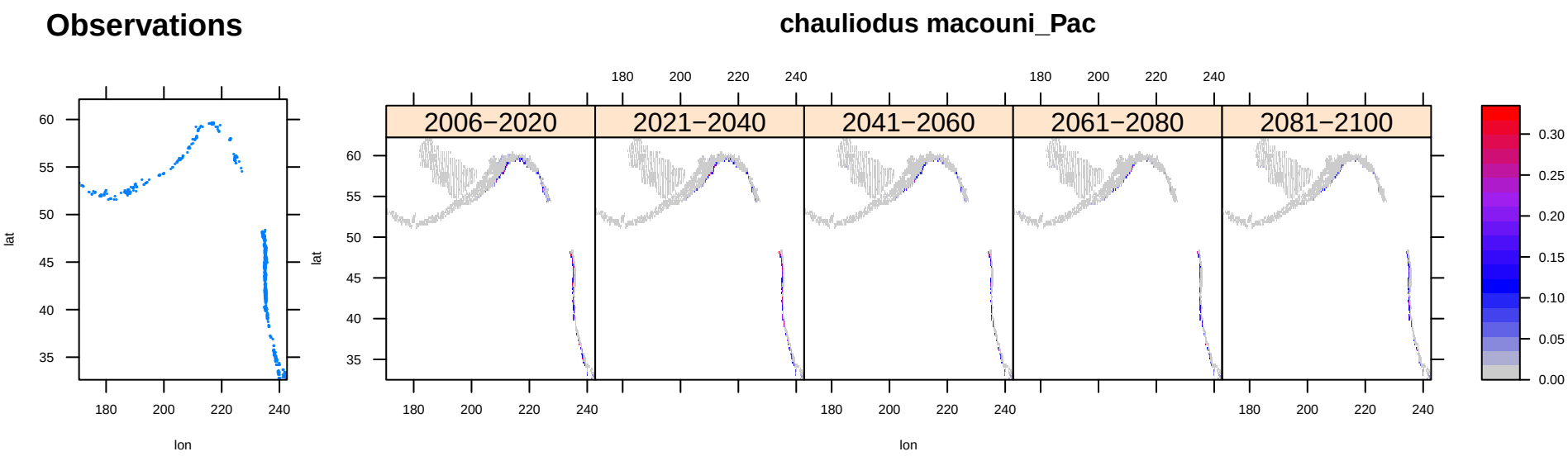
Observations
chauliodus macouni_Pac
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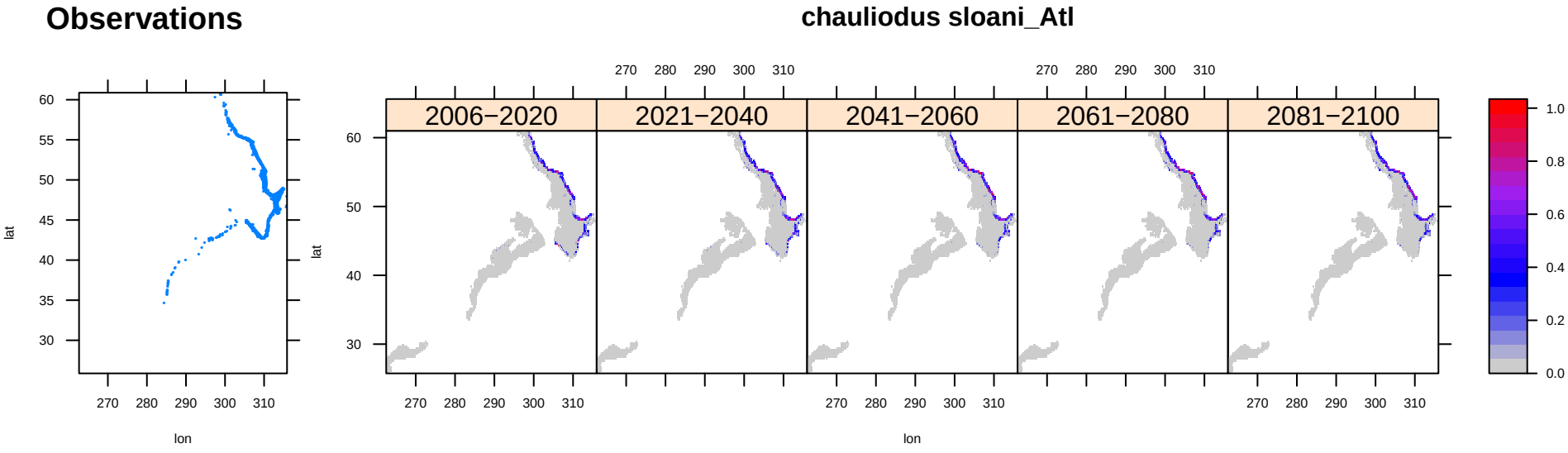
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chauliodus sloani_Atl
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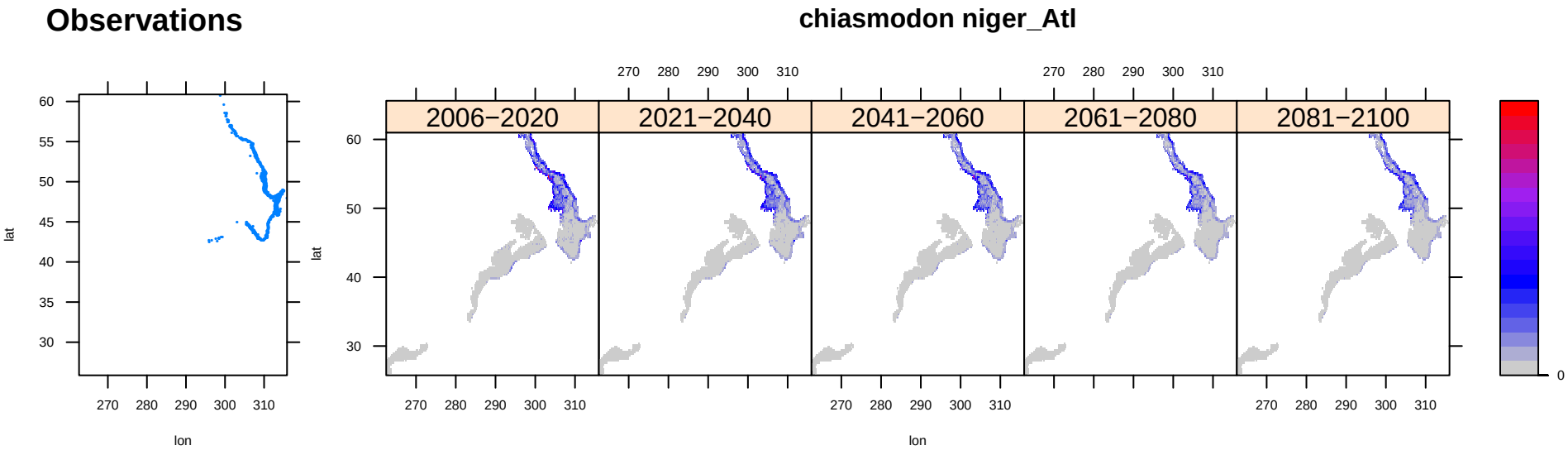
Observations
chiasmodon niger_Atl
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2061−2080
2081−2100
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lon
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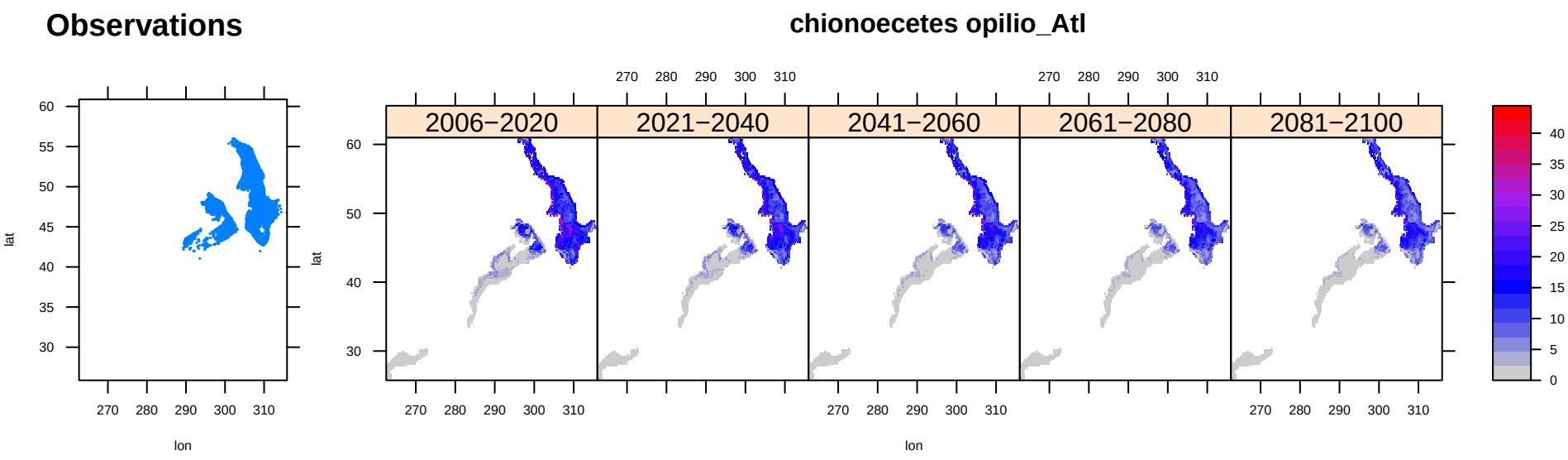
Observations
chionoecetes opilio_Atl
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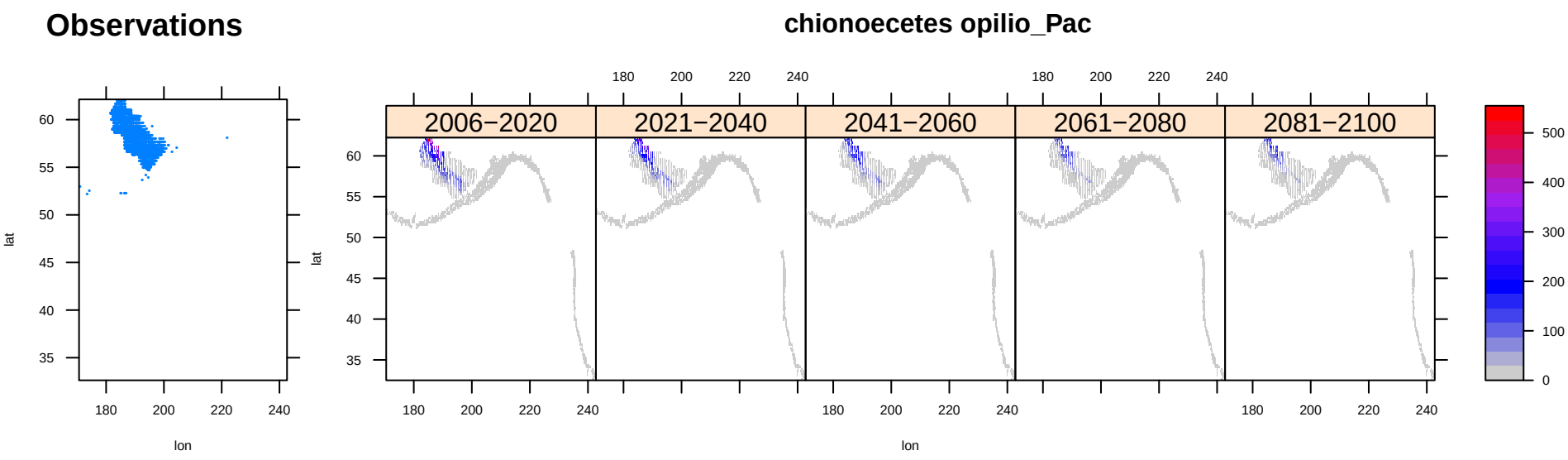
Observations
chionoecetes opilio_Pac
2006−2020
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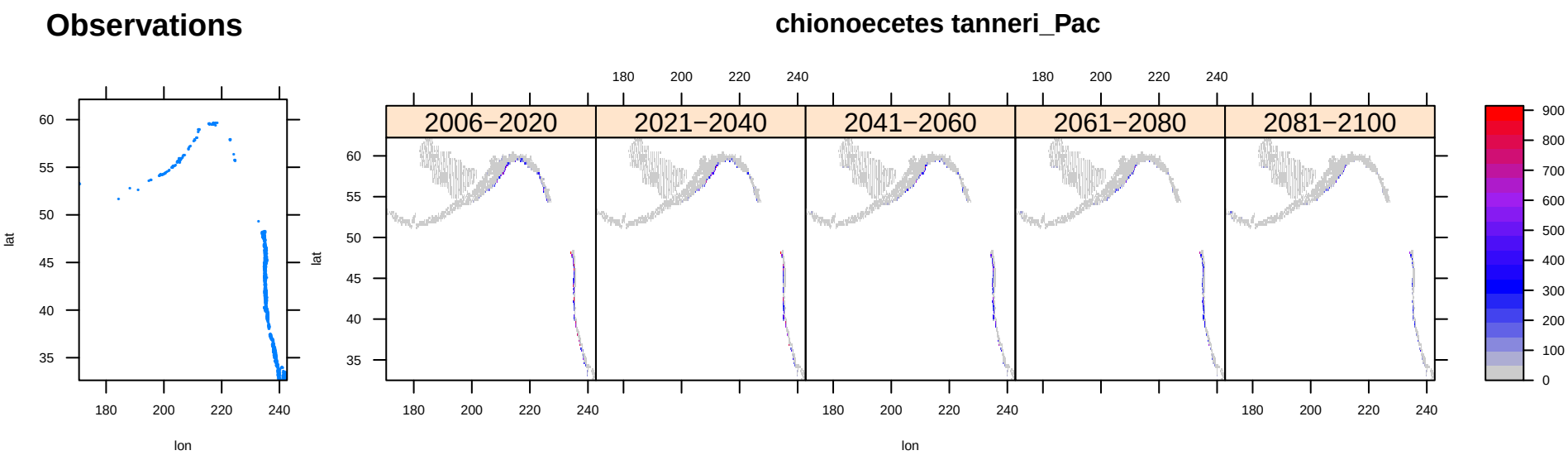
Observations
chionoecetes tanneri_Pac
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2081−2100
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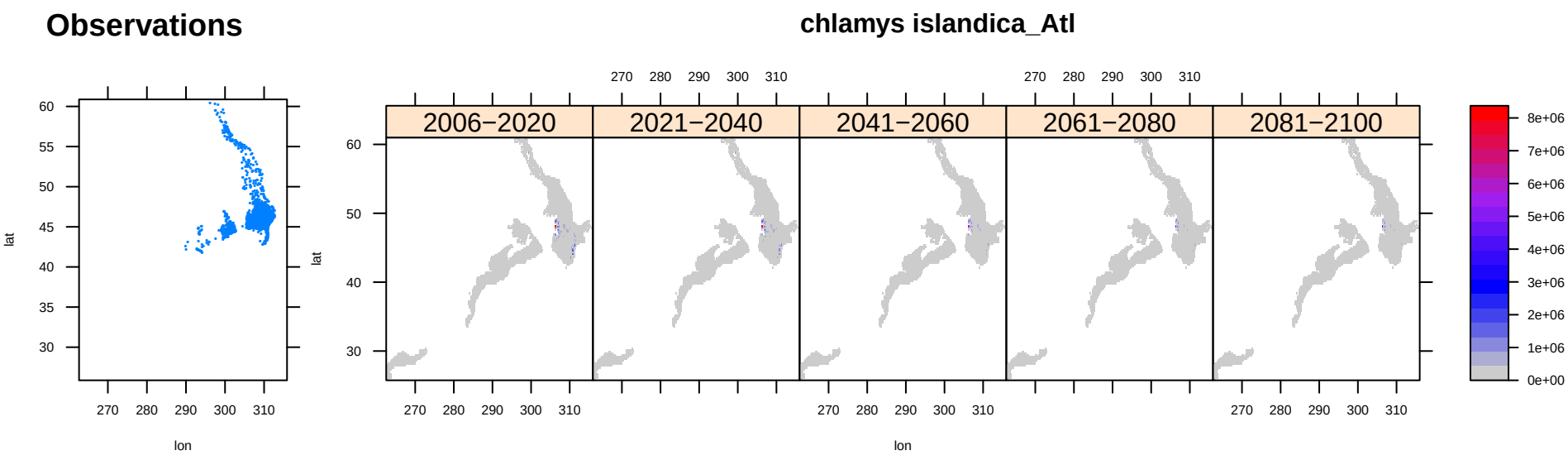
Observations
chlamys islandica_Atl
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lon
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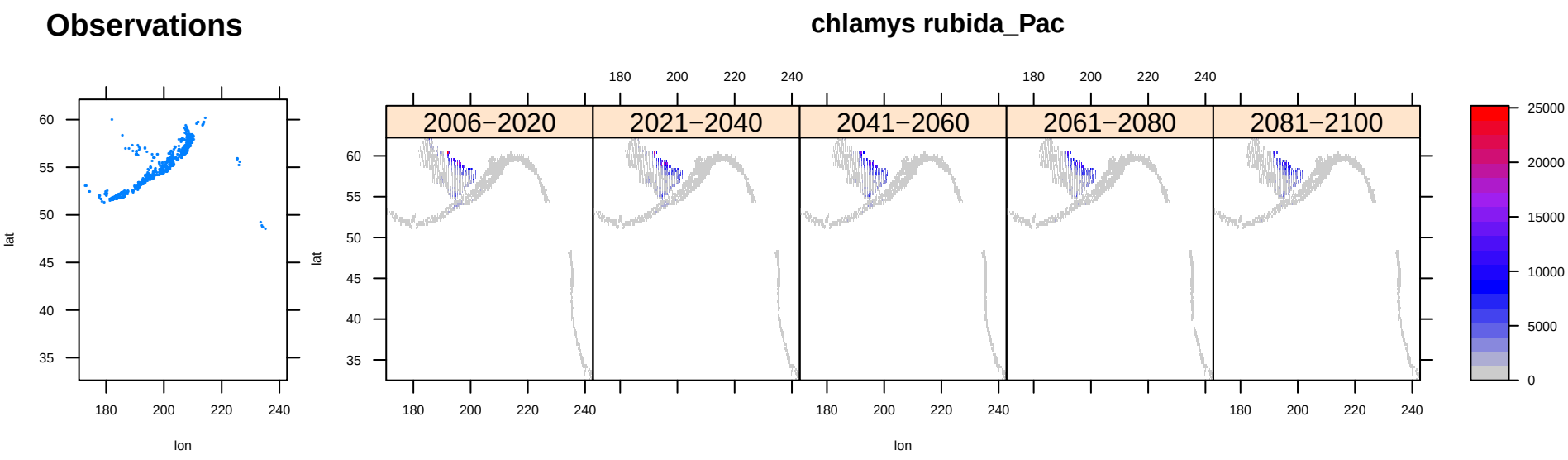
Observations
chlamys rubida_Pac
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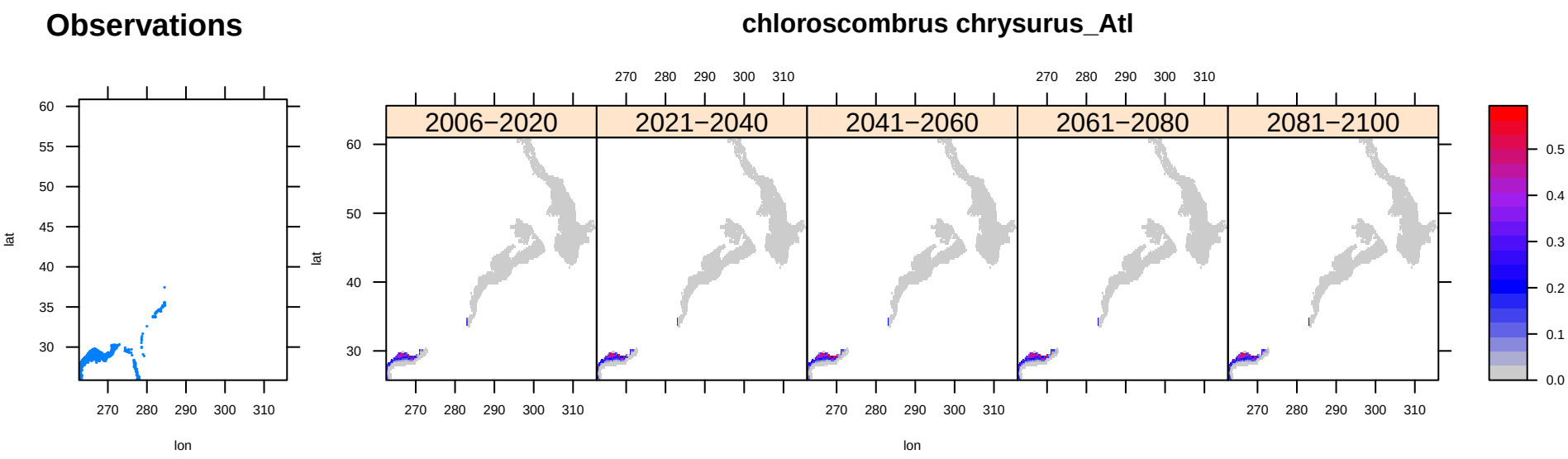
Observations
chloroscombrus chrysurus_Atl
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2041−2060
2061−2080
2081−2100
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lon
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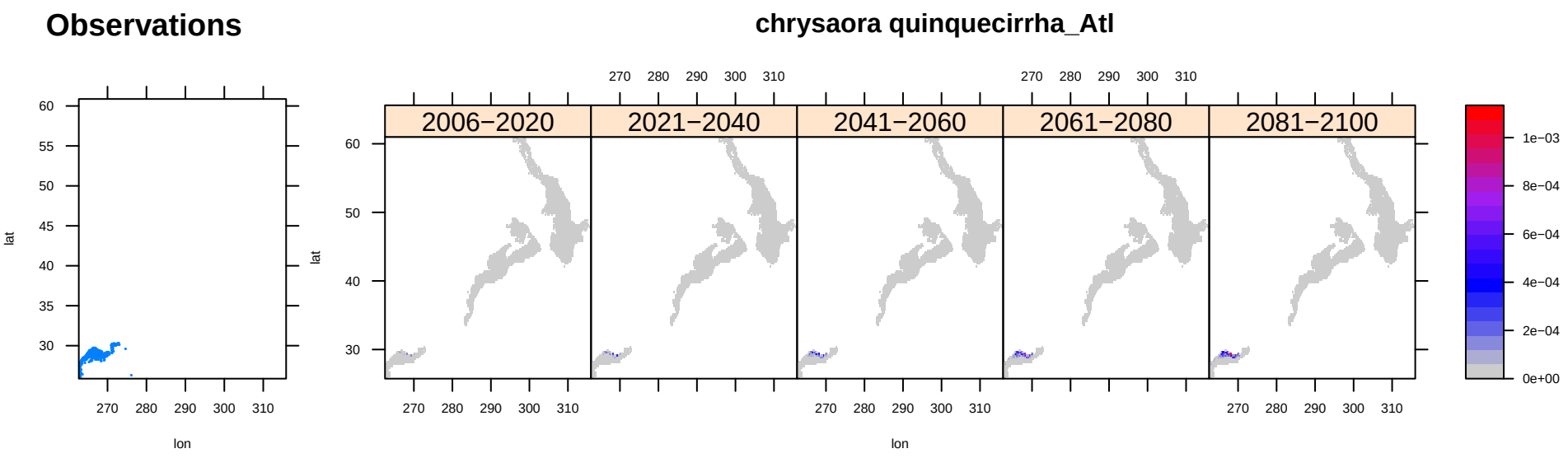
Observations
chrysaora quinquecirrha_Atl
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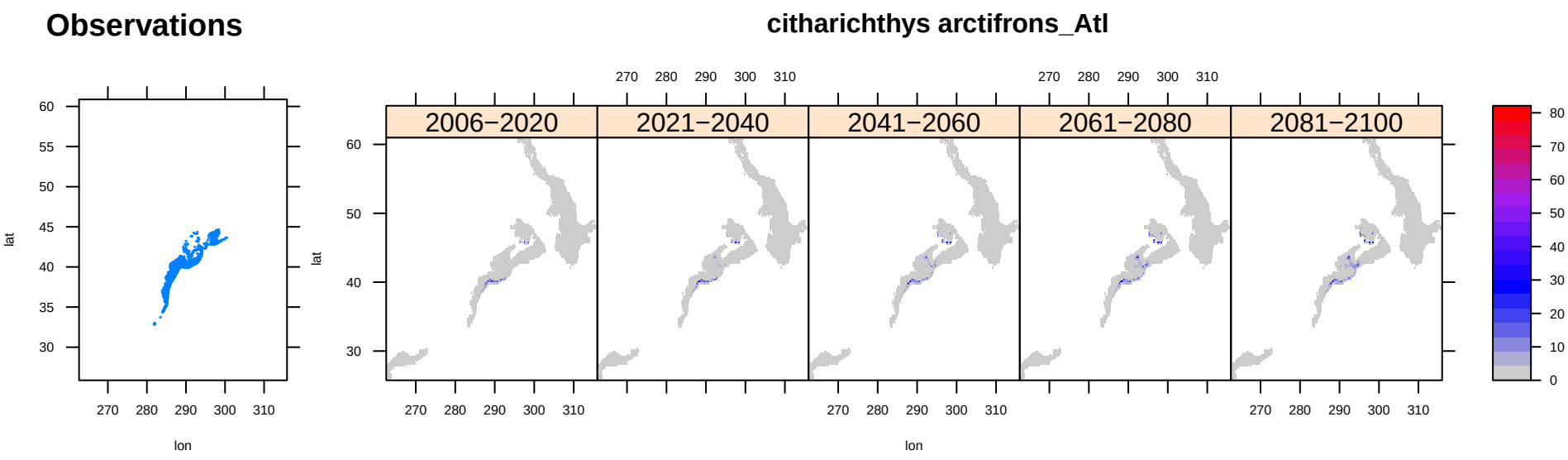
Observations
citharichthys arctifrons_Atl
2006−2020
2021−2040
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2061−2080
2081−2100
lat
lon
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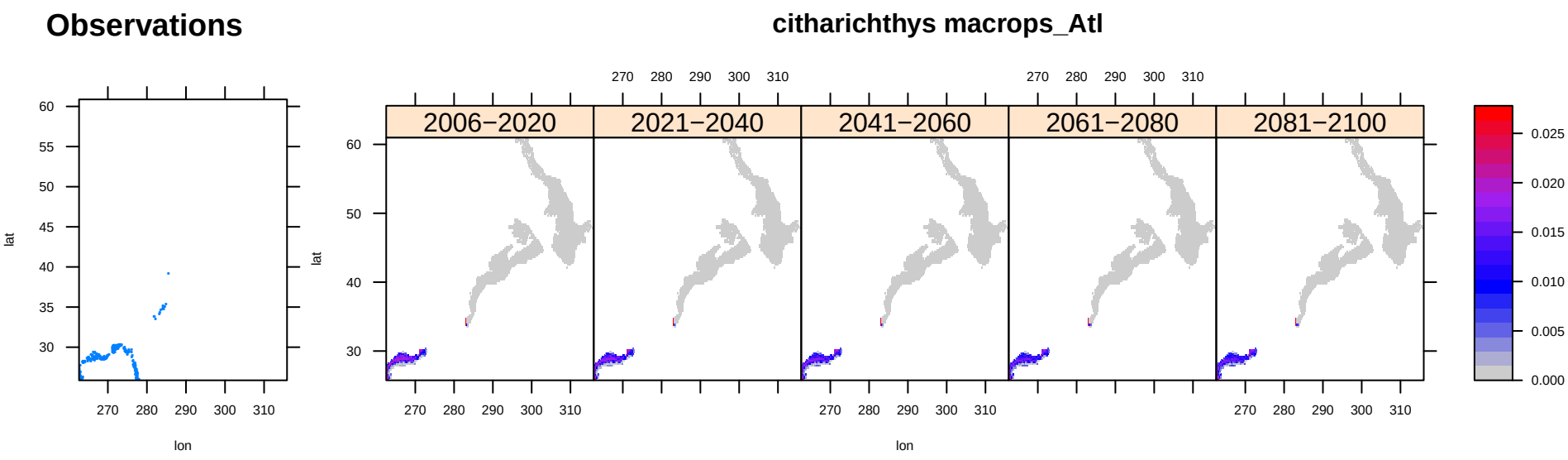
Observations
citharichthys macrops_Atl
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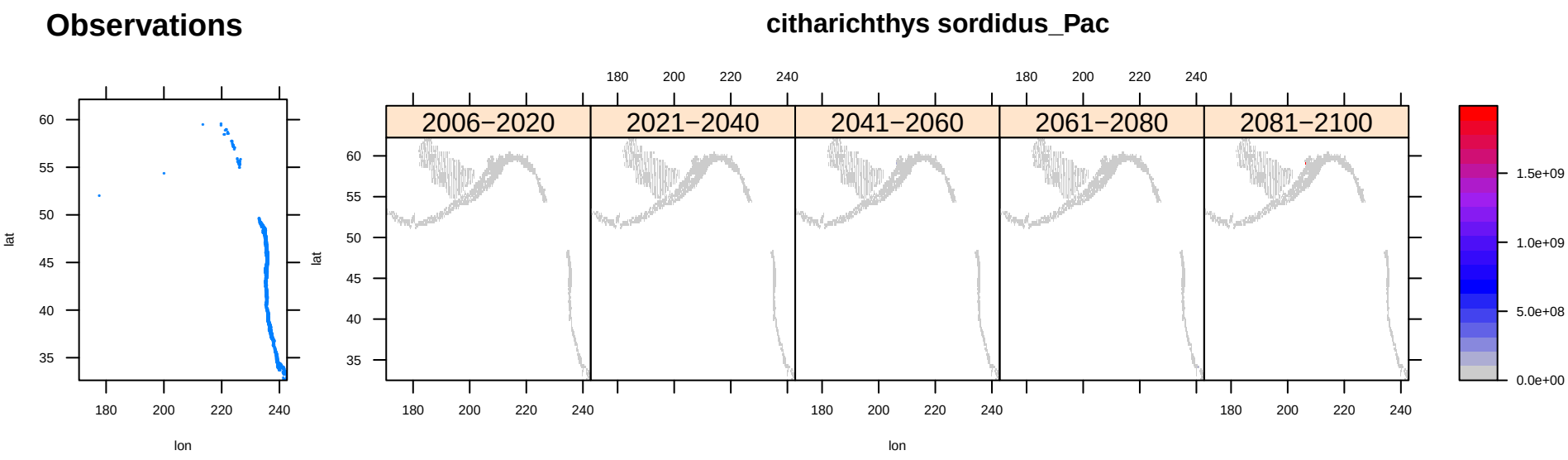
Observations
citharichthys sordidus_Pac
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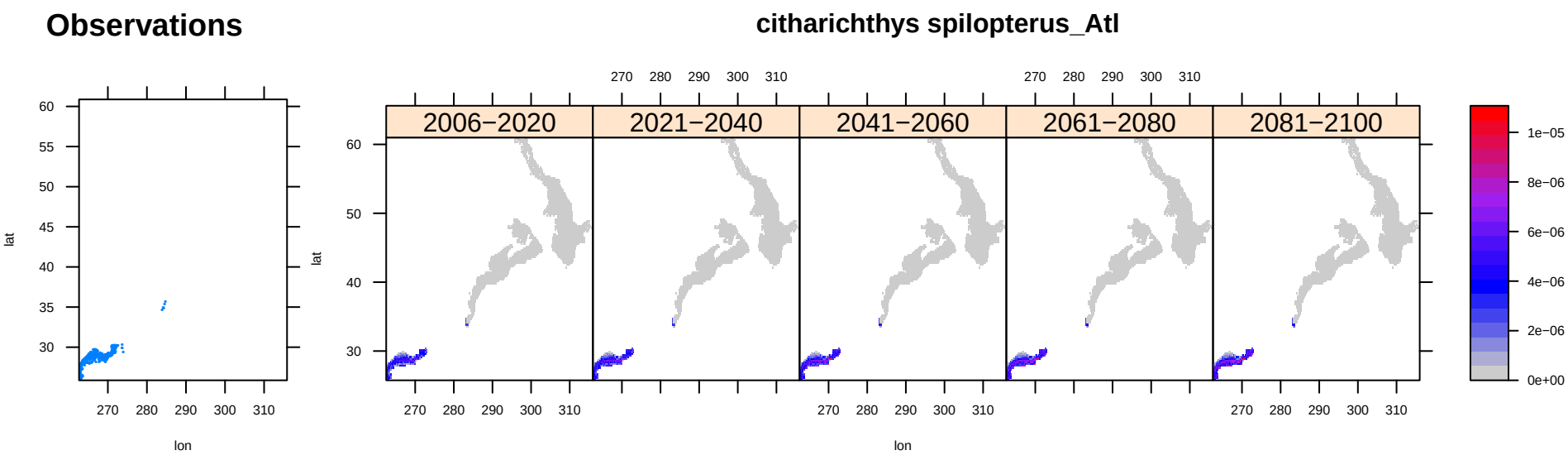
Observations
citharichthys spilopterus_Atl
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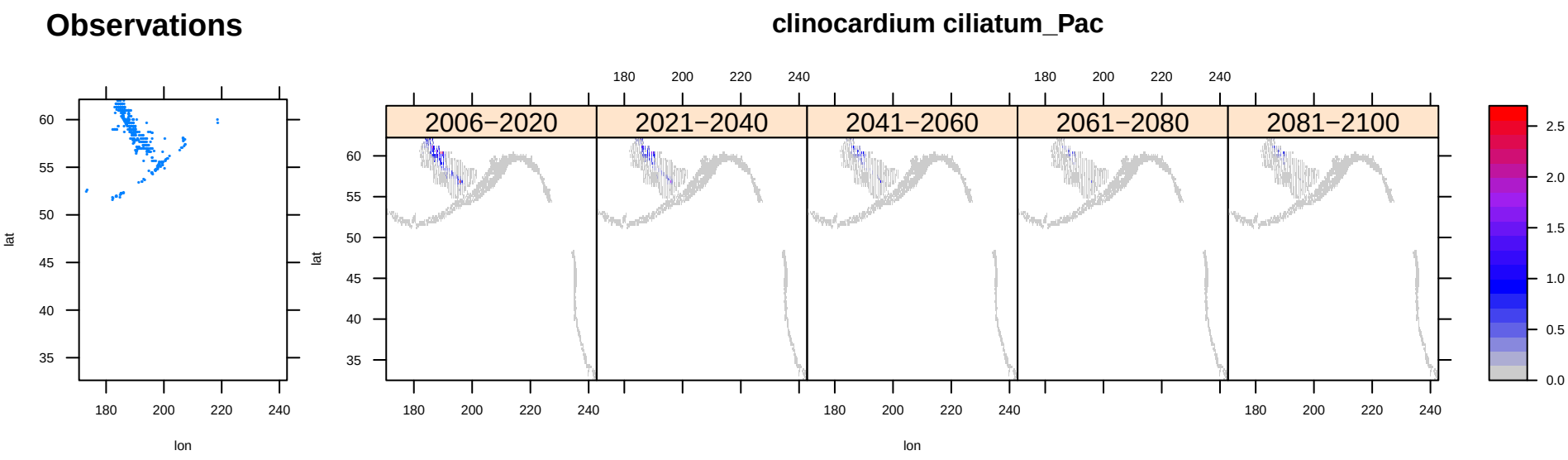
Observations
clinocardium ciliatum_Pac
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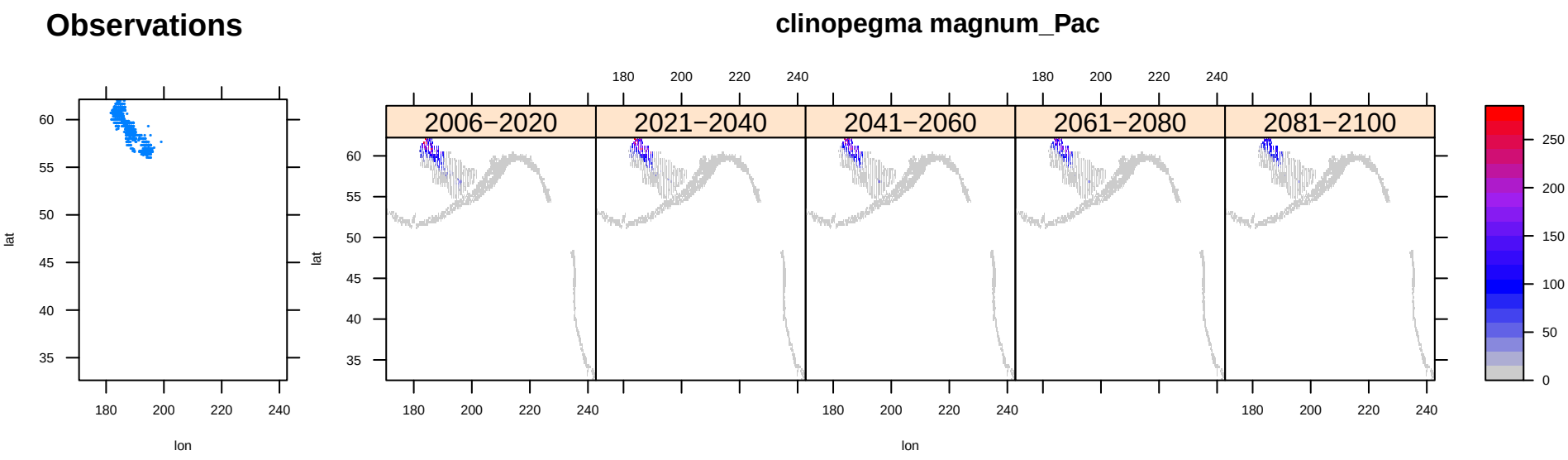
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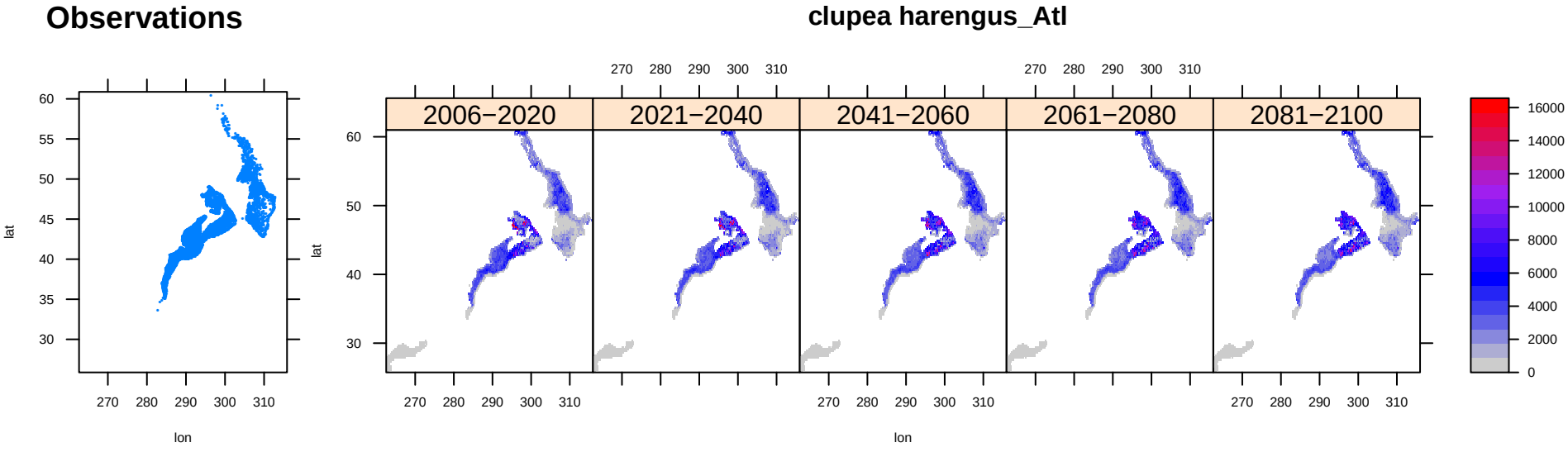
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clupea harengus_Atl
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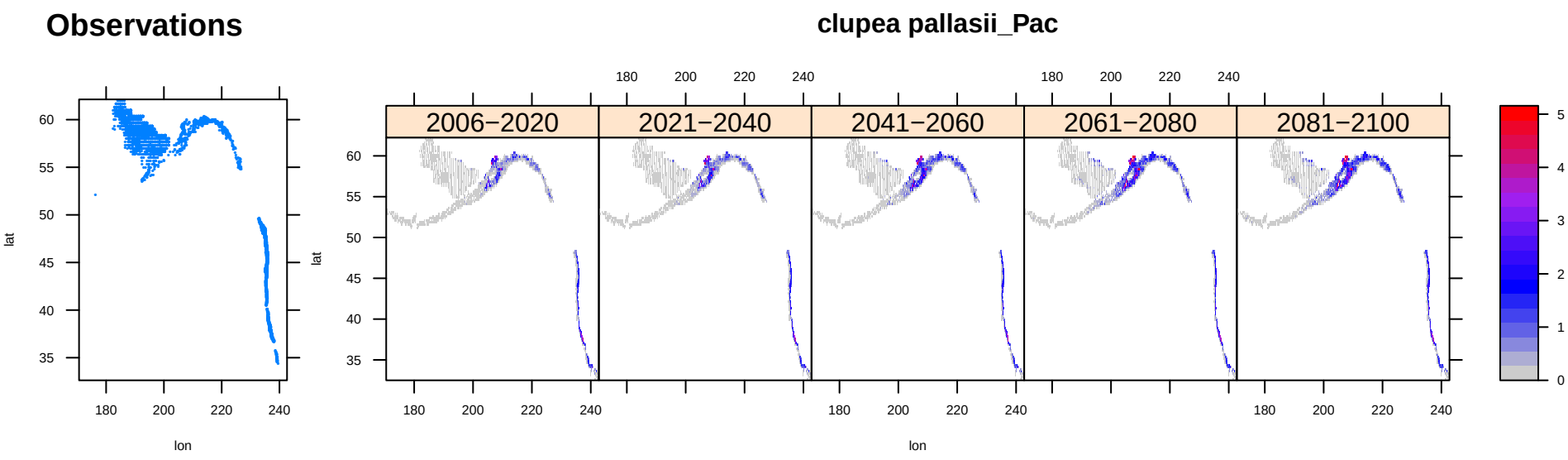
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clupea pallasii_Pac
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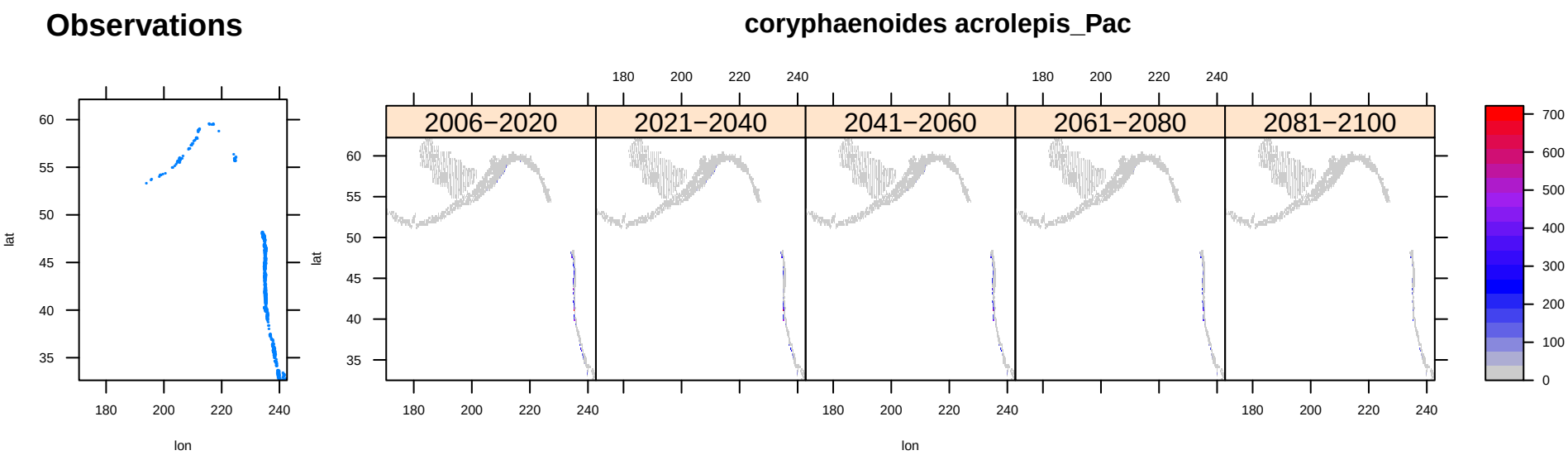
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coryphaenoides acrolepis_Pac
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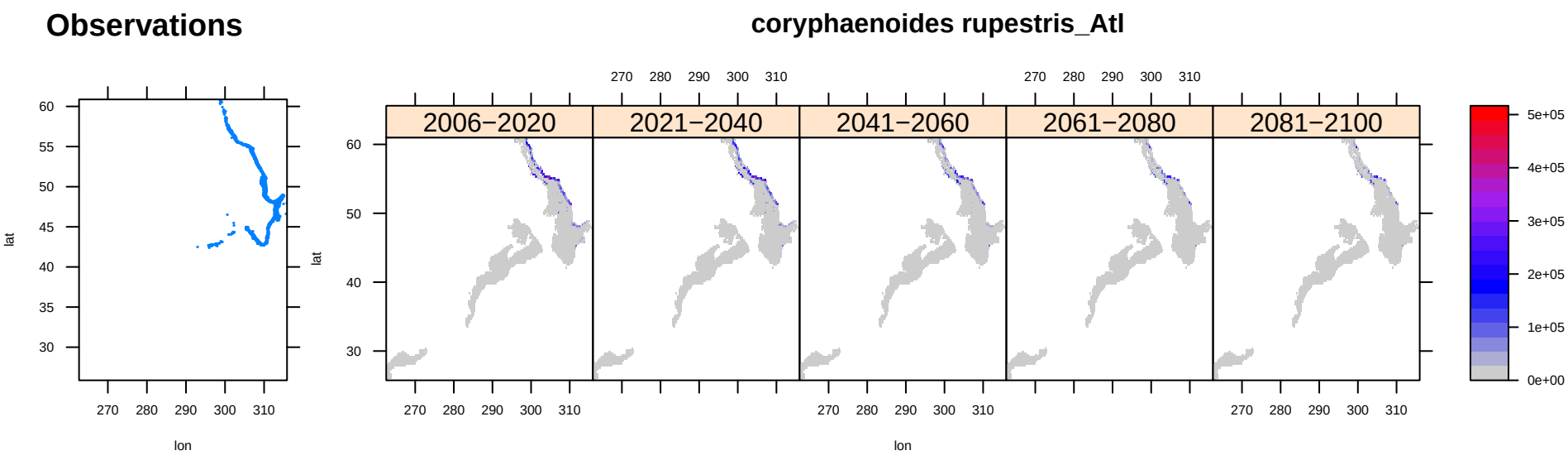
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coryphaenoides rupestris_Atl
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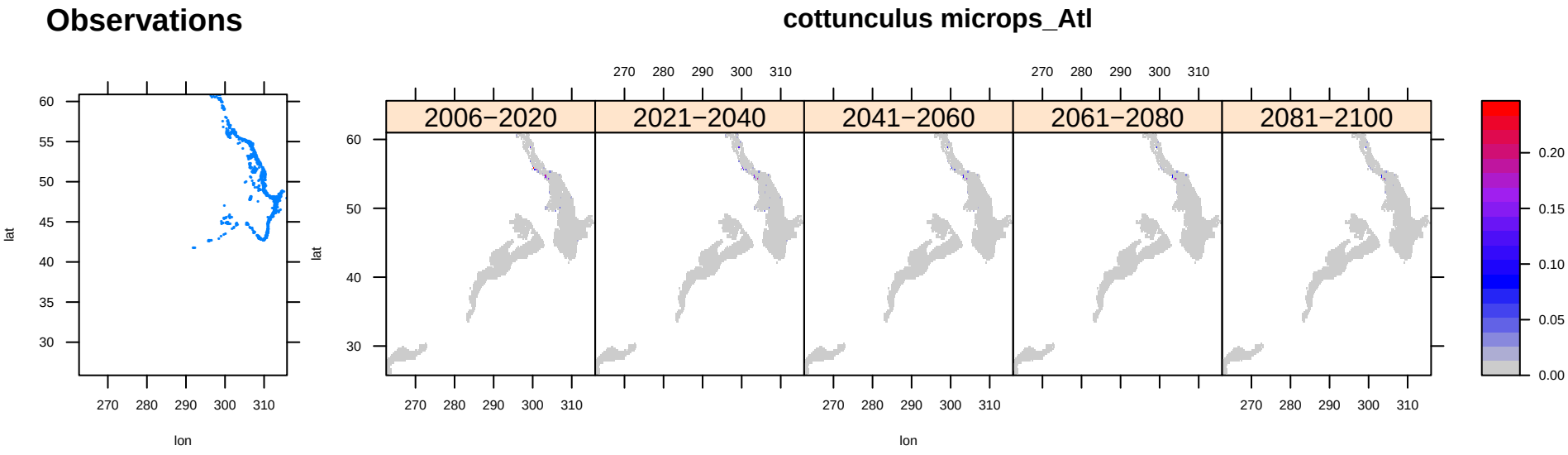
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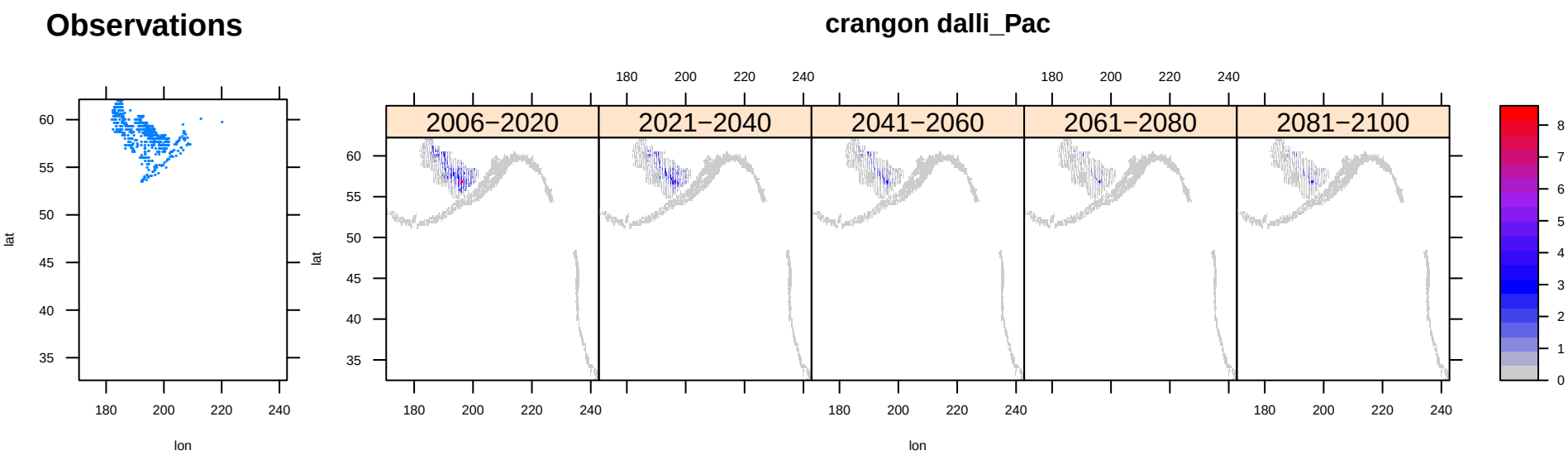
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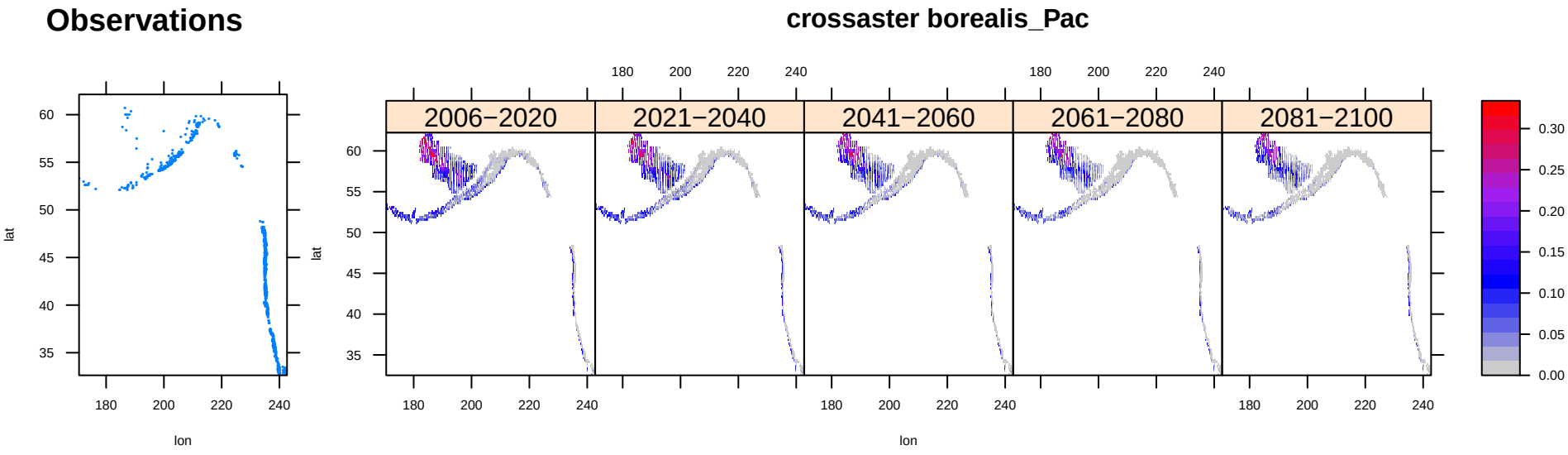
Observations
crossaster borealis_Pac
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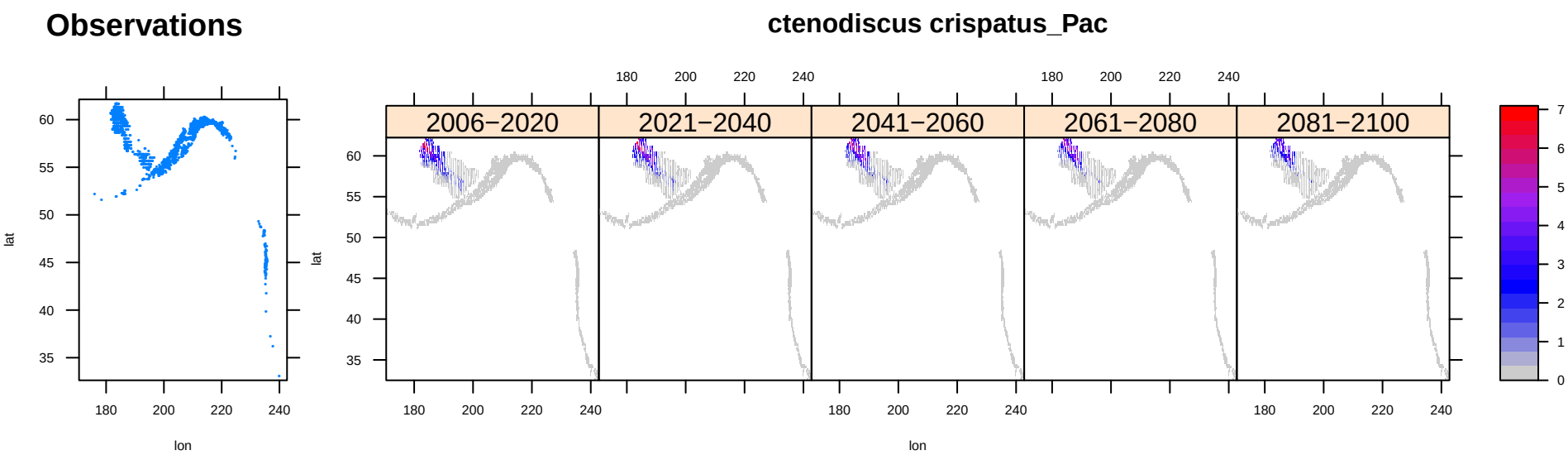
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ctenodiscus crispatus_Pac
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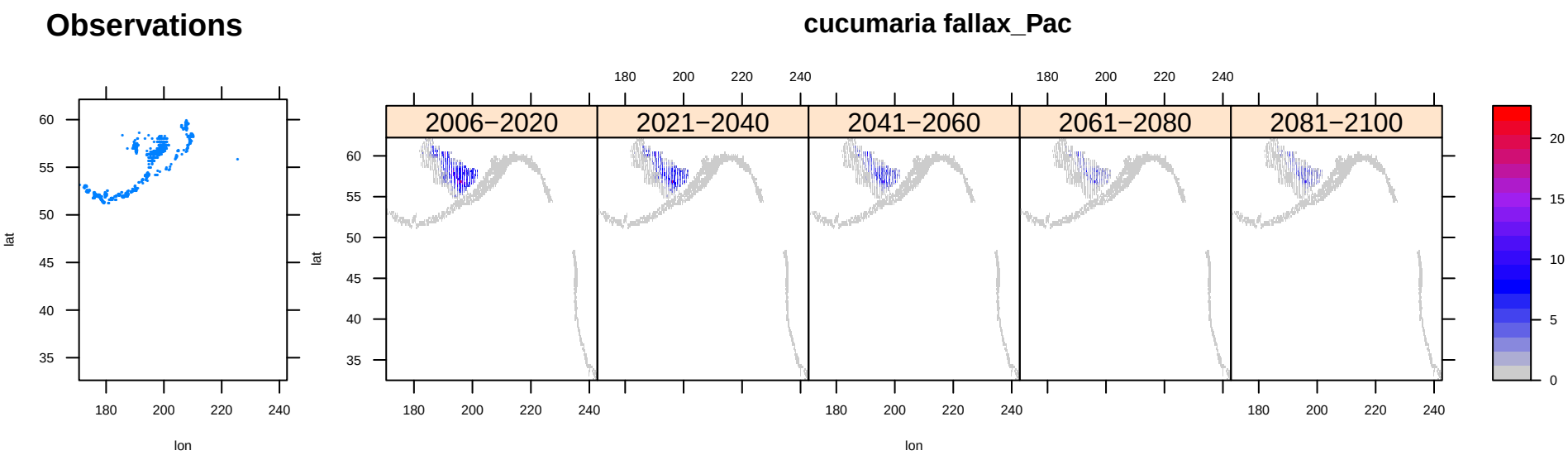
Observations
cucumaria fallax_Pac
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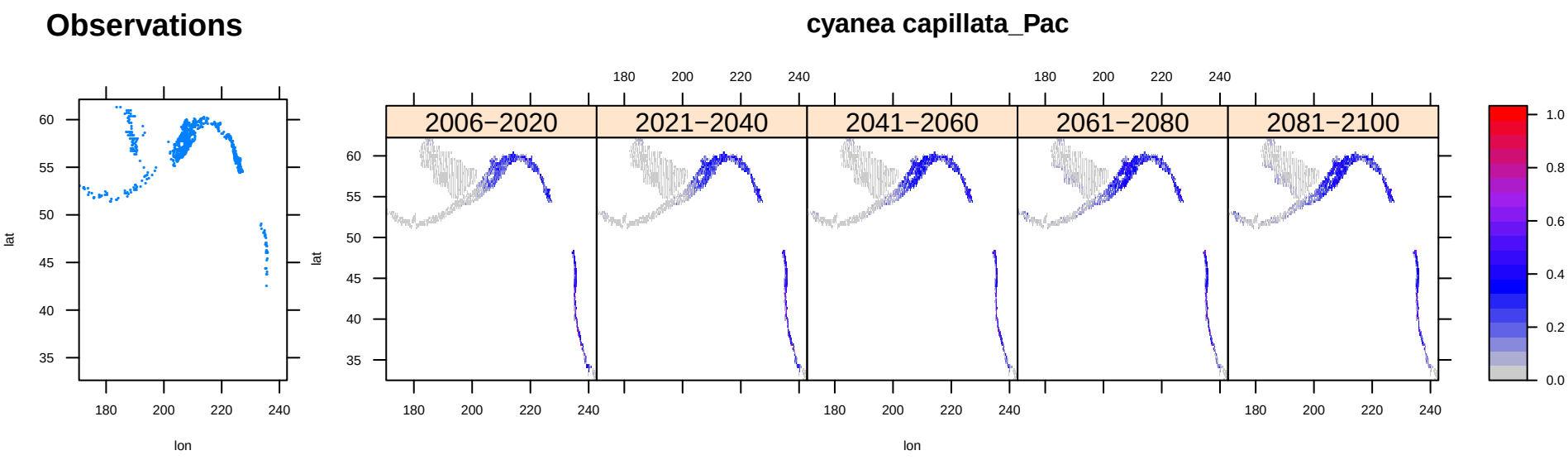
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cyanea capillata_Pac
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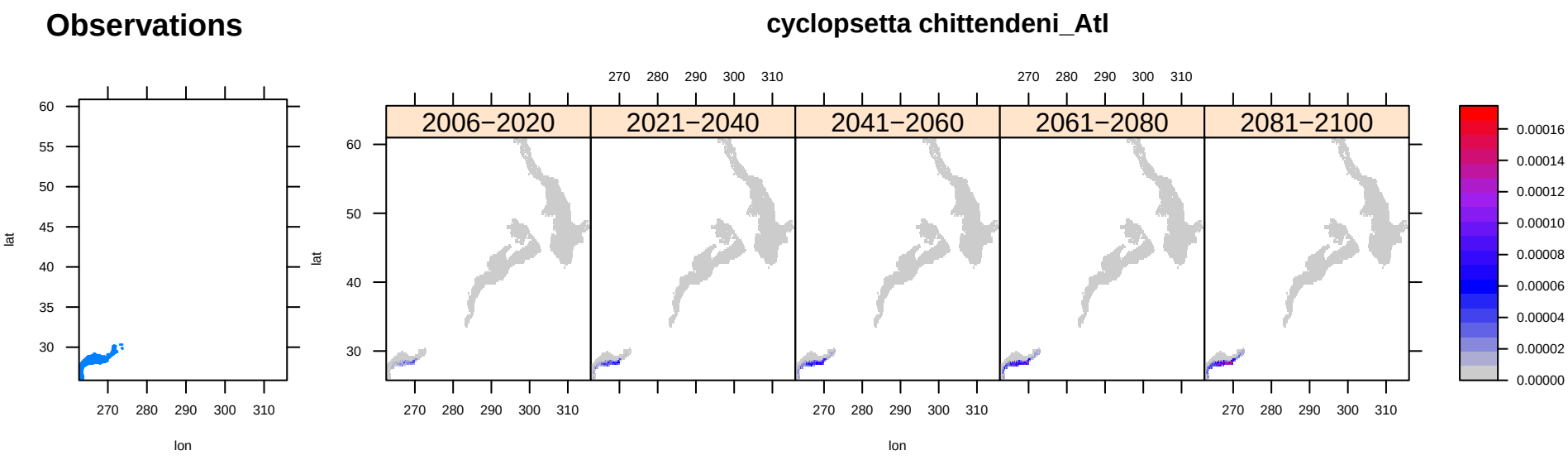
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cyclopsetta chittendeni_Atl
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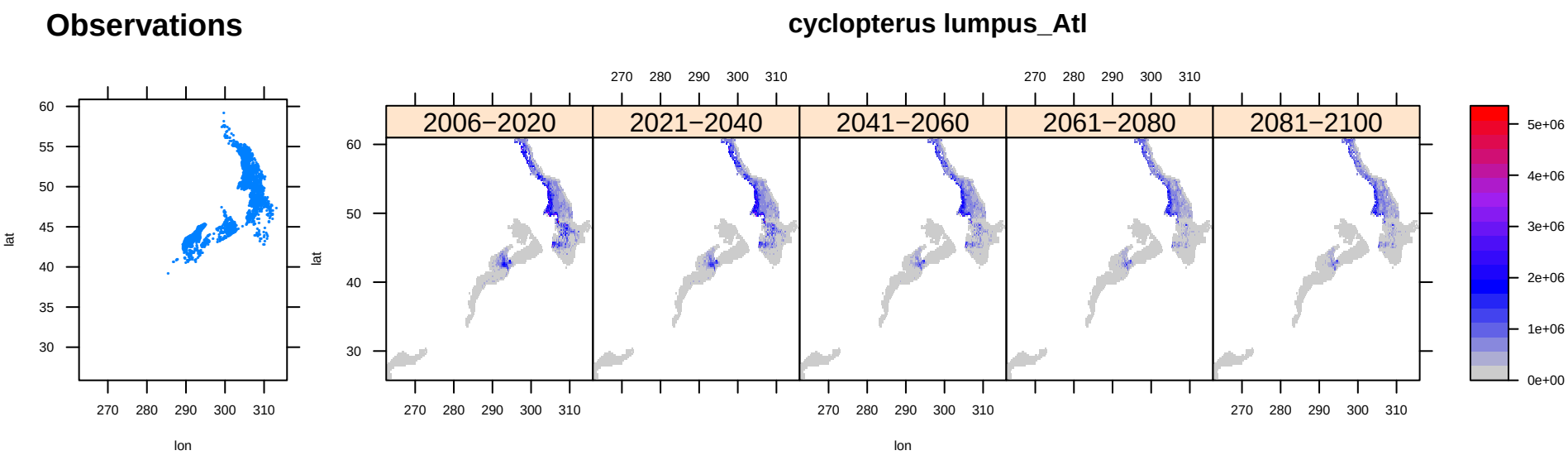
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cyclopterus lumpus_Atl
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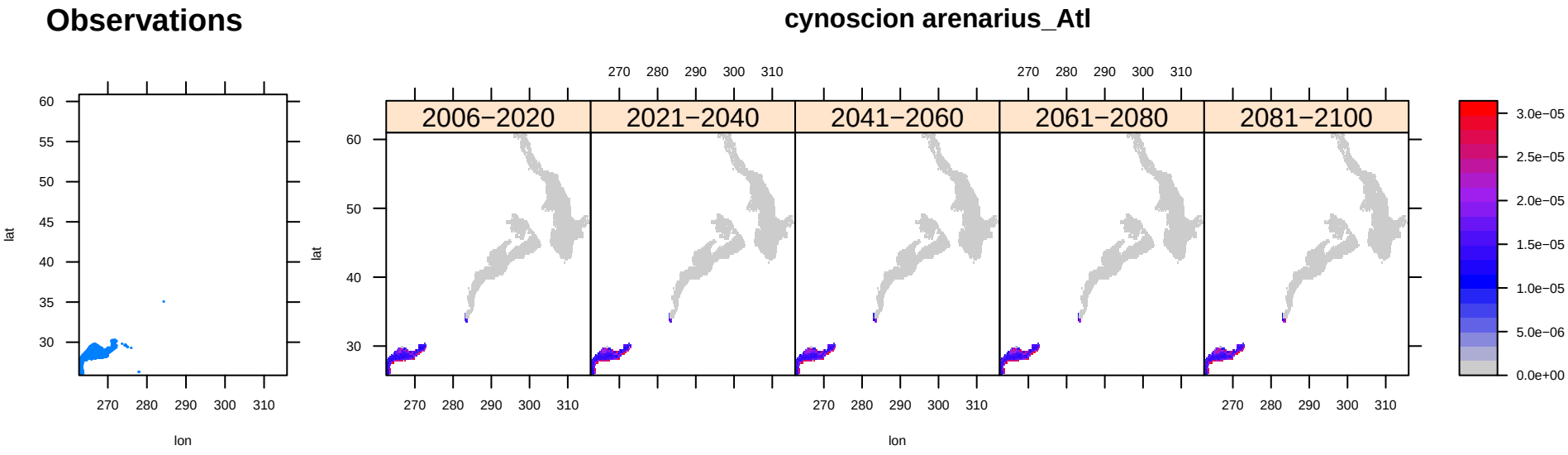
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cynoscion arenarius_Atl
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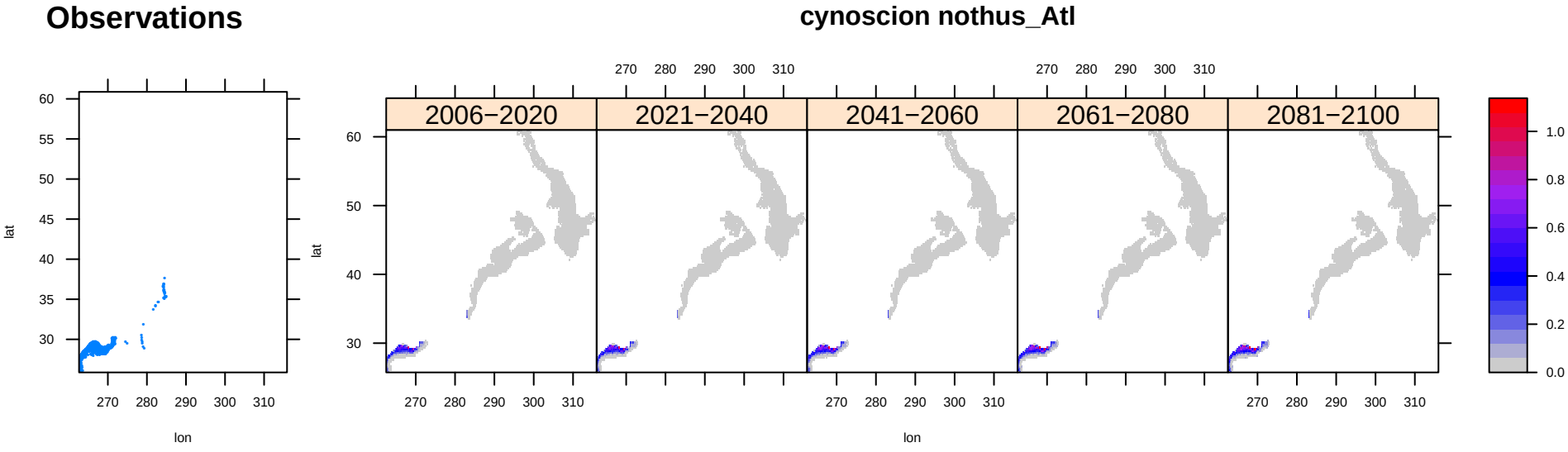
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cynoscion nothus_Atl
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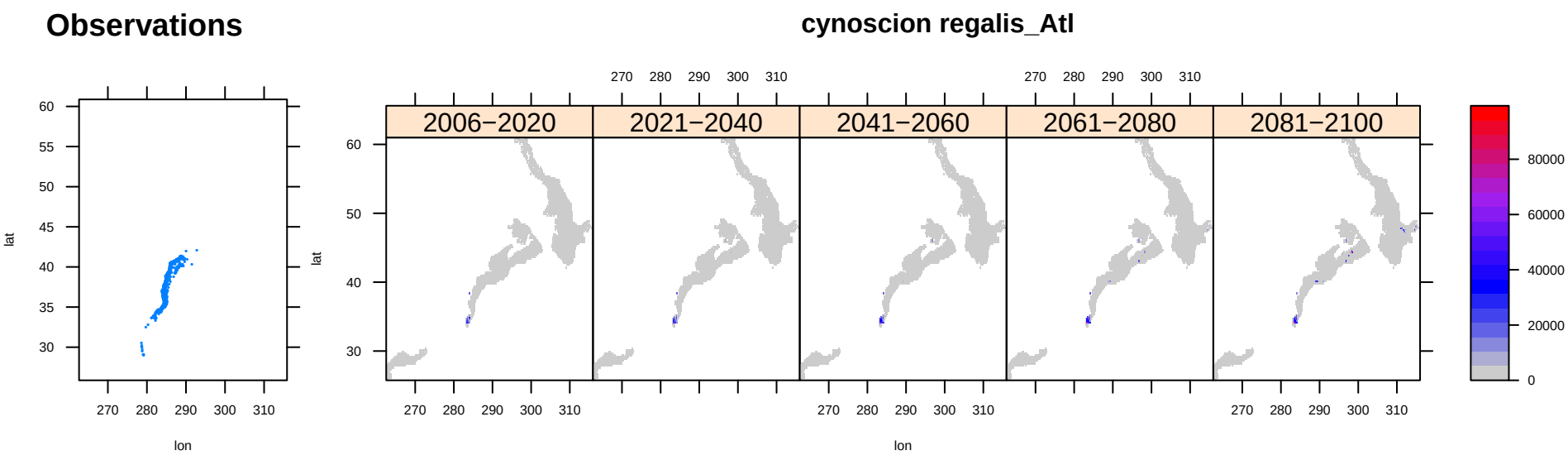
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cynoscion regalis_Atl
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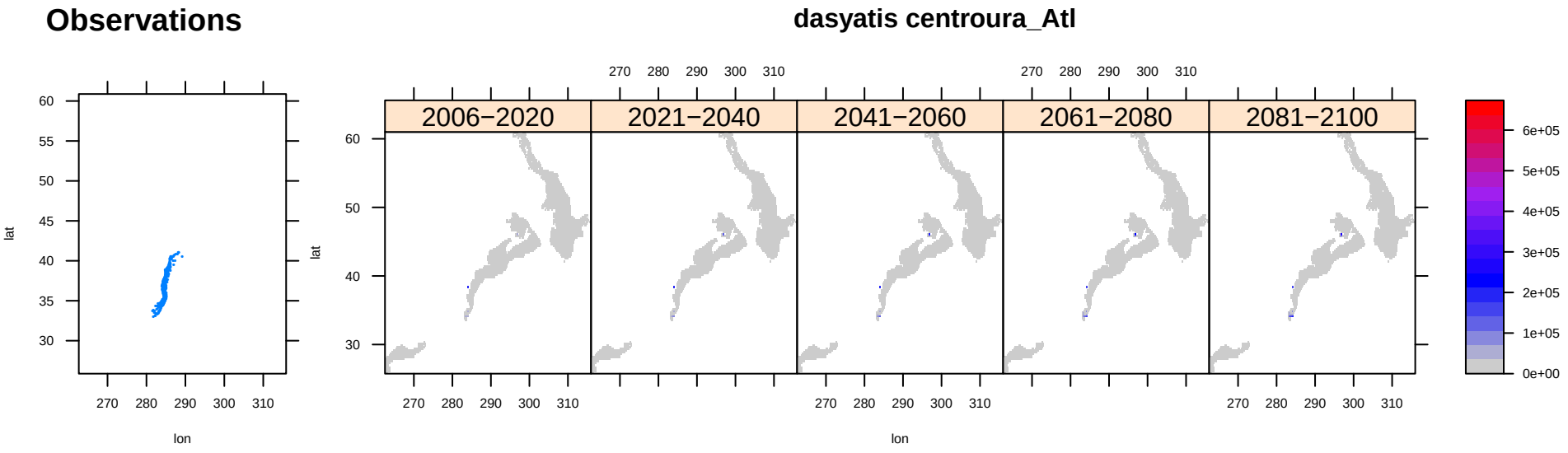
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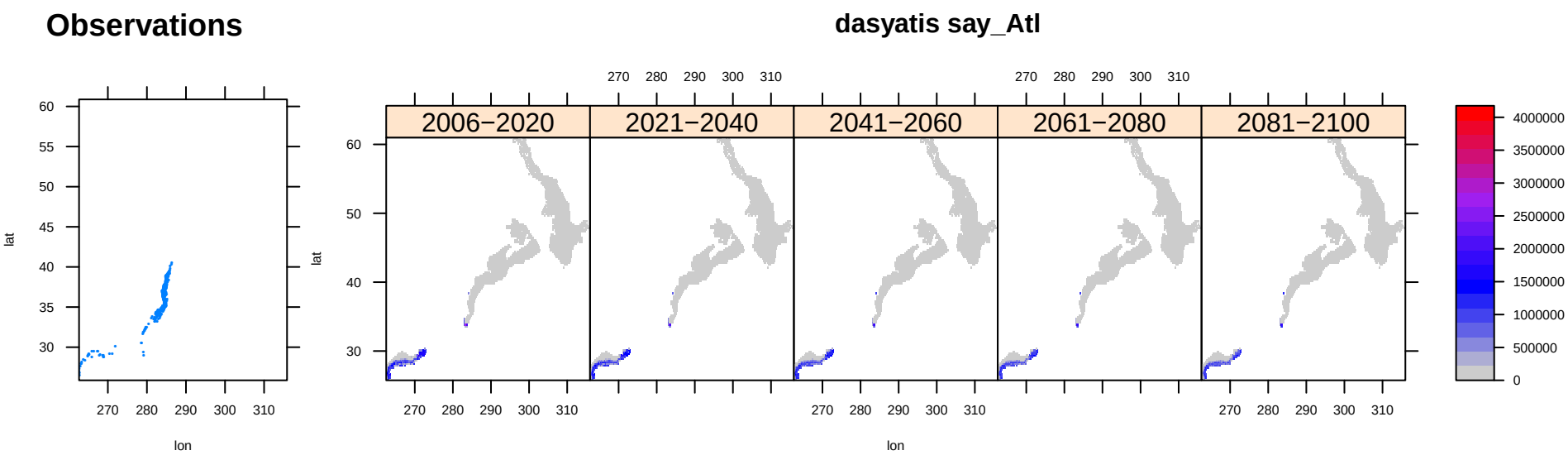
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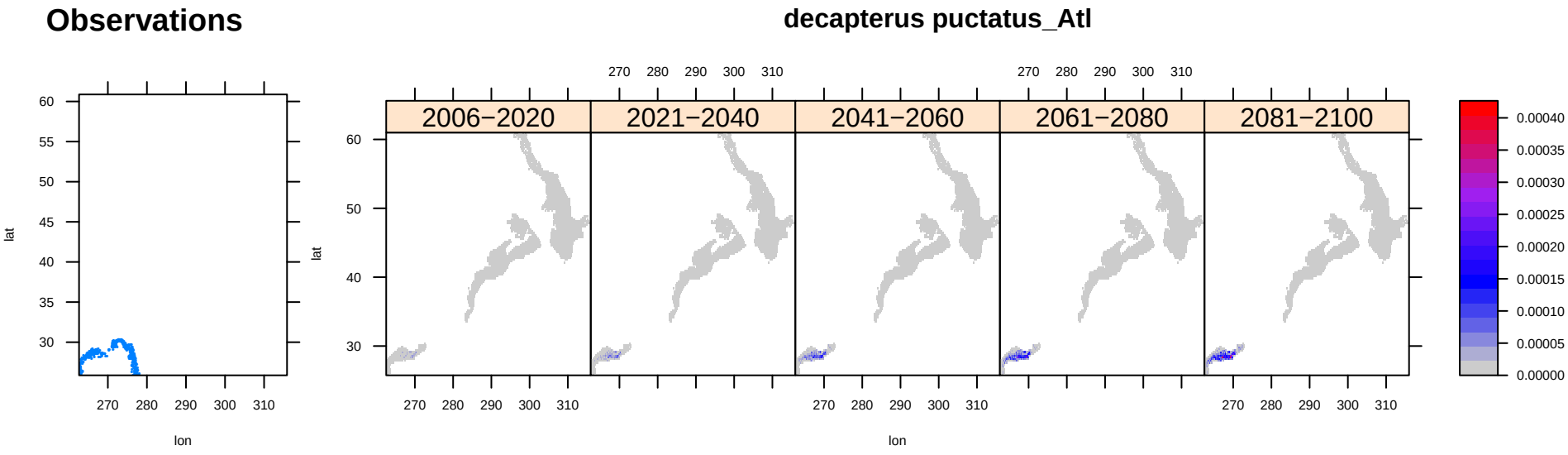
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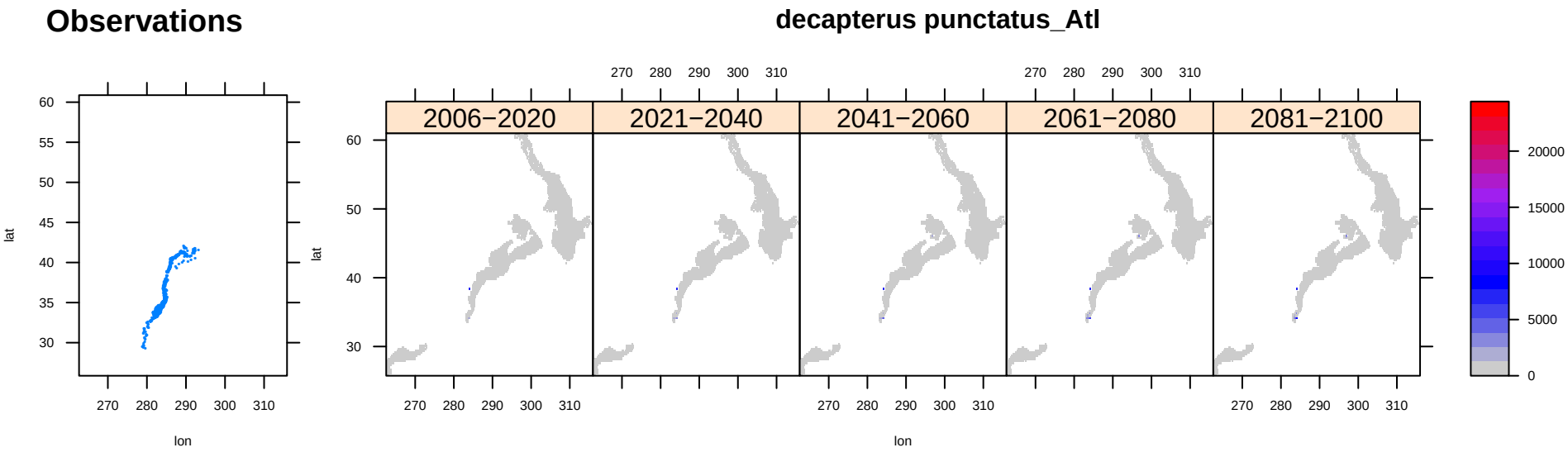
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decapterus punctatus_Atl
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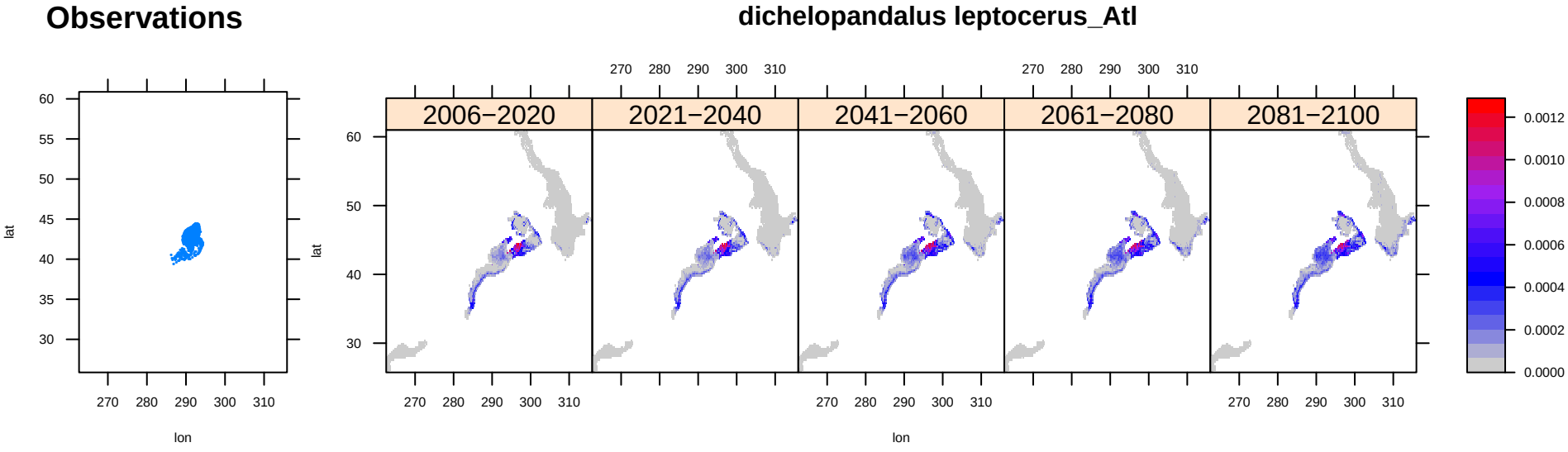
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dichelopandalus leptocerus_Atl
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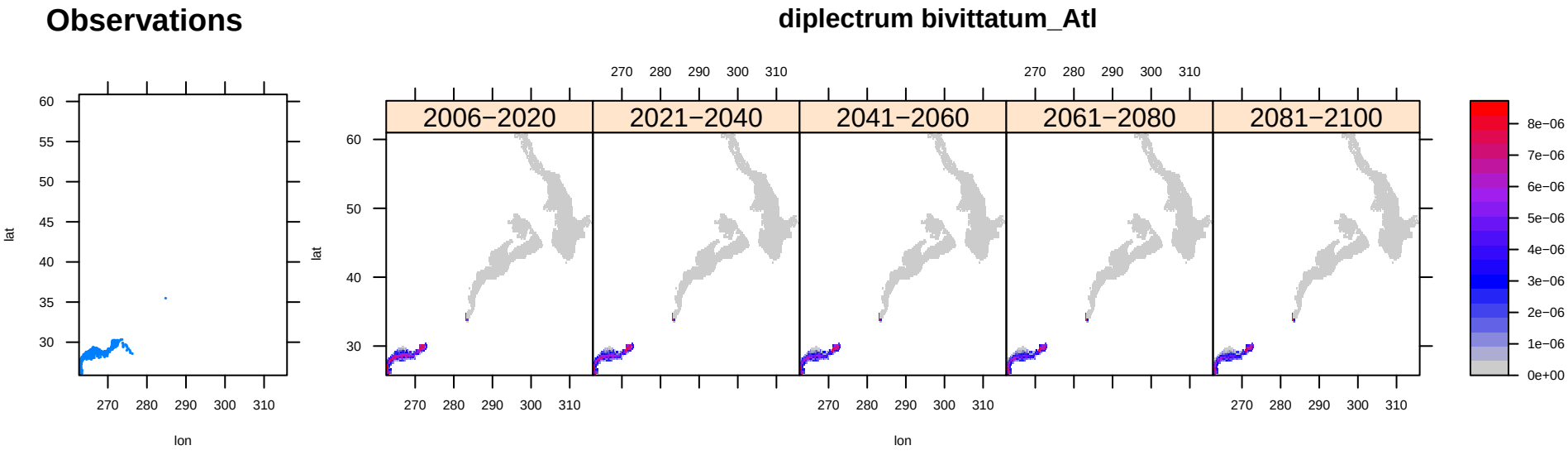
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diplectrum bivittatum_Atl
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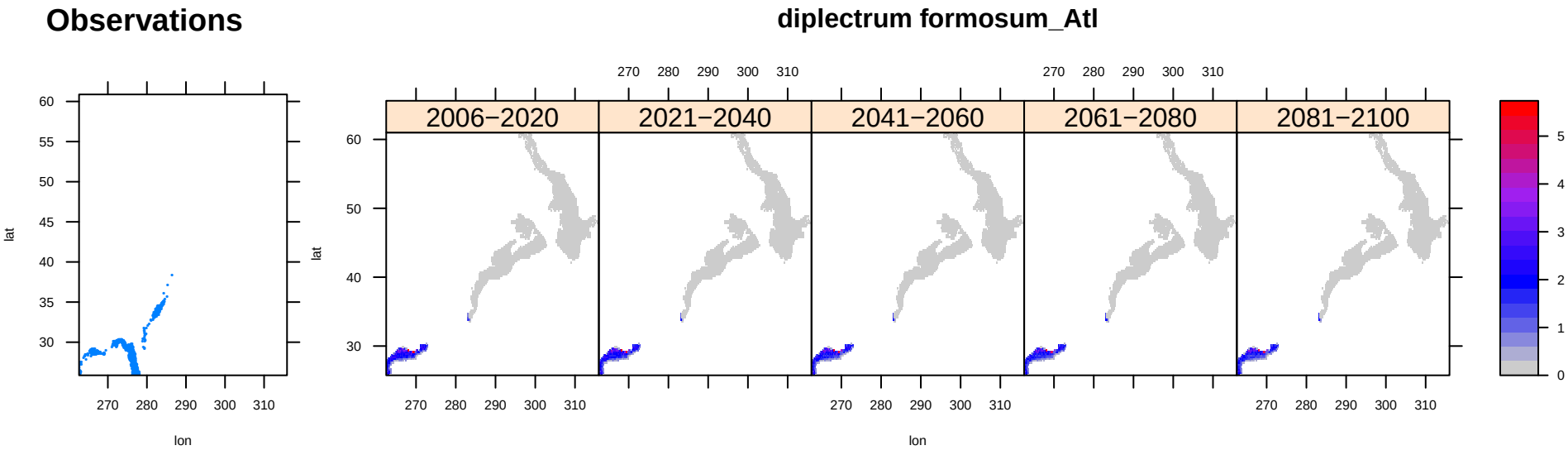
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diplectrum formosum_Atl
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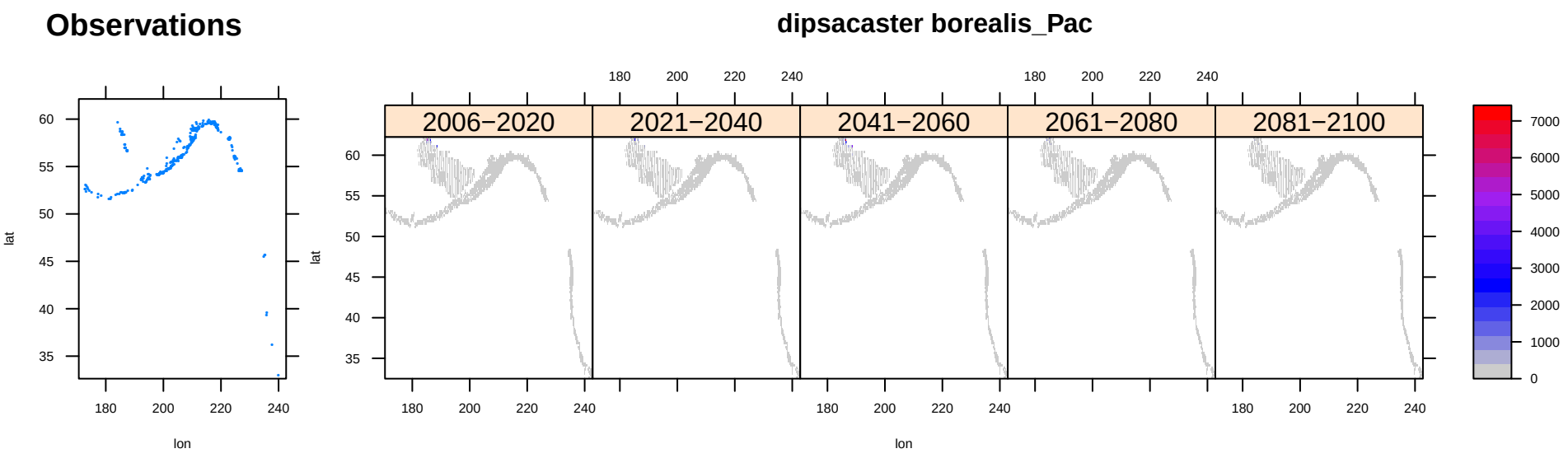
Observations
dipsacaster borealis_Pac
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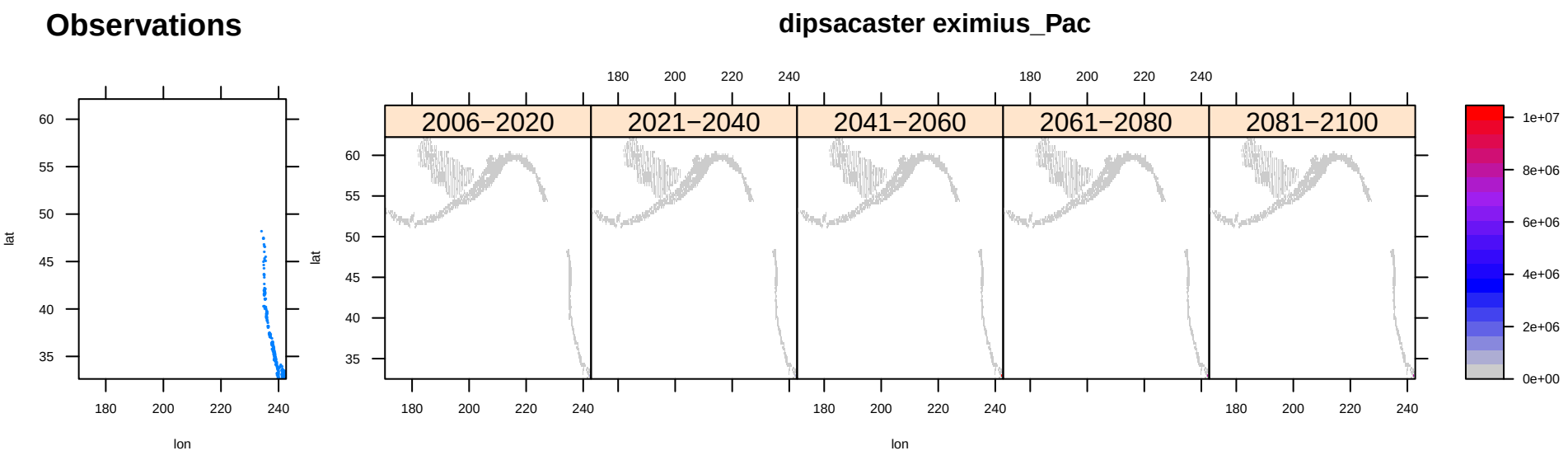
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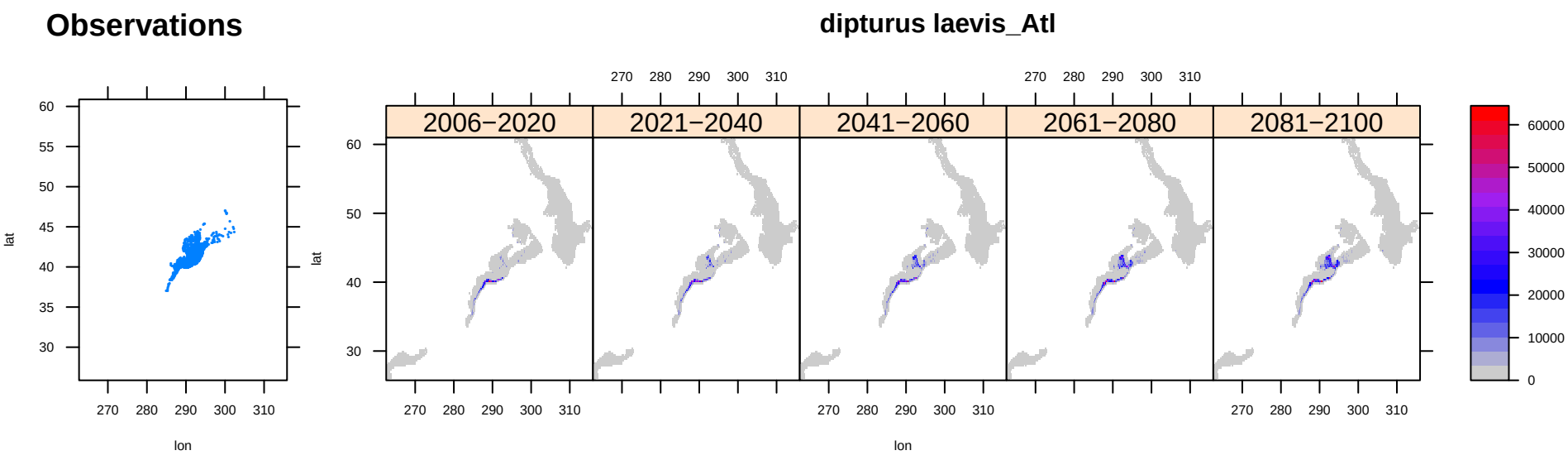
Observations
dipturus laevis_Atl
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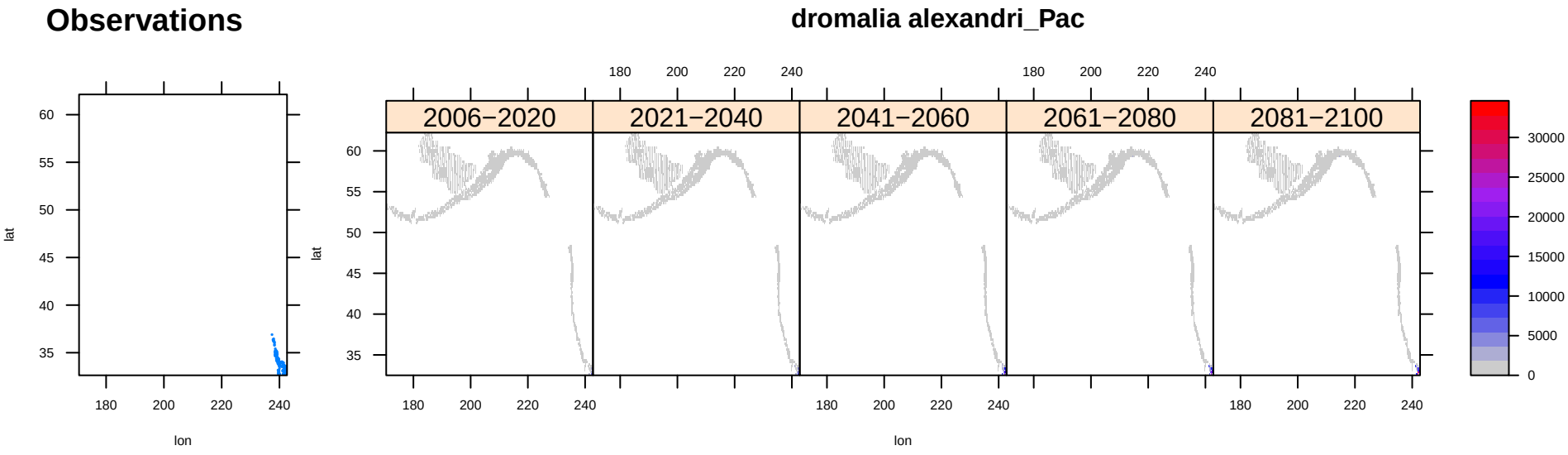
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dromalia alexandri_Pac
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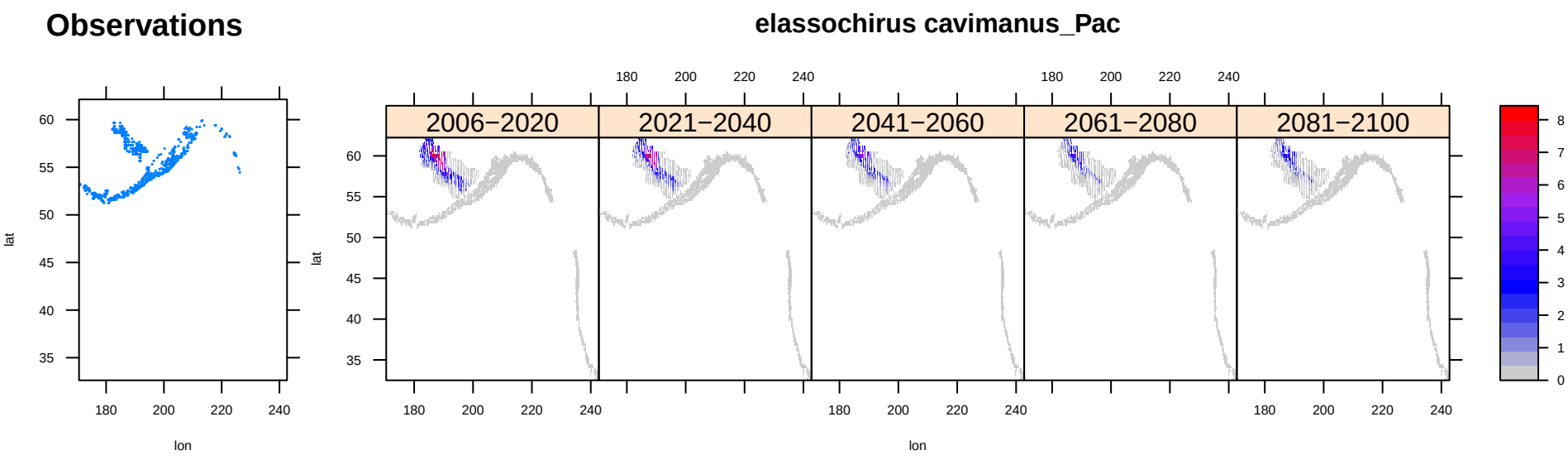
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elassochirus cavimanus_Pac
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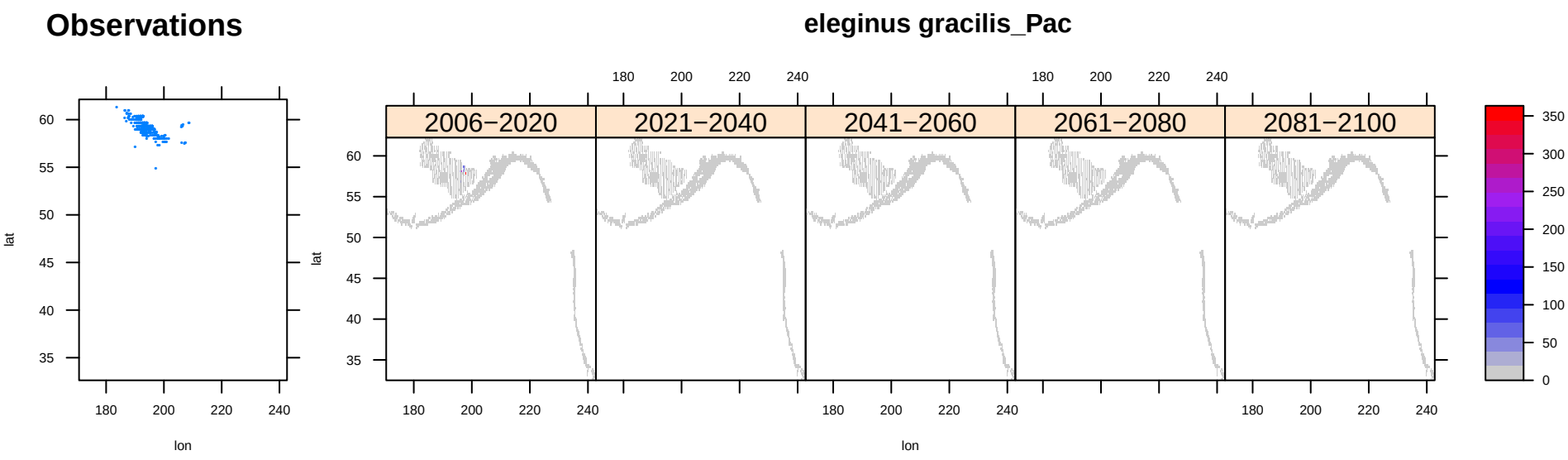
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eleginus gracilis_Pac
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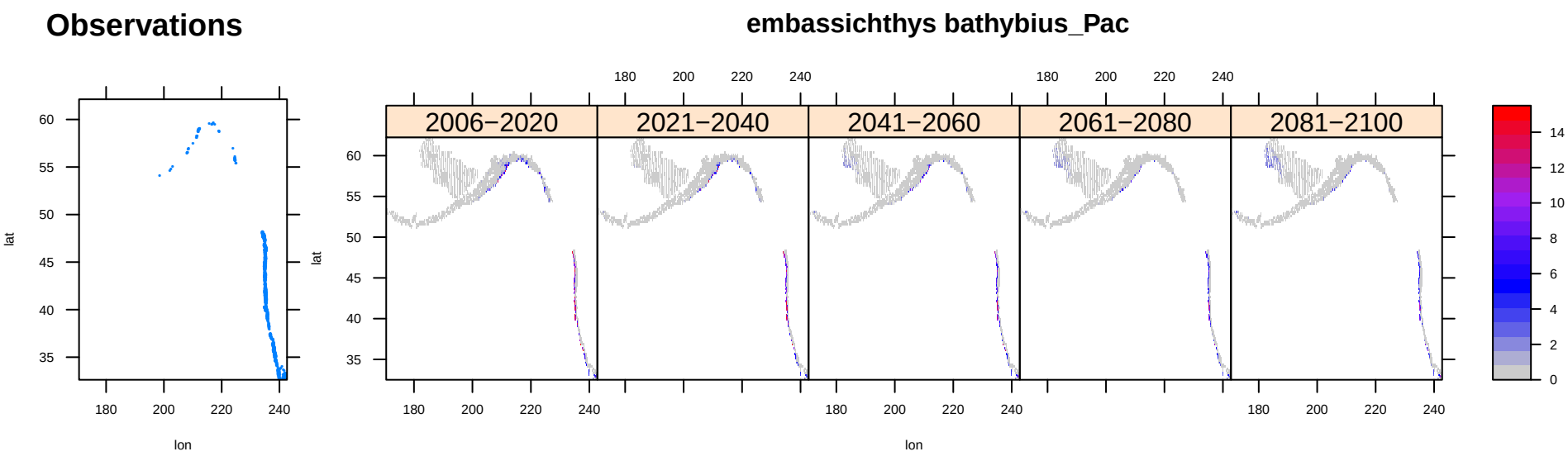
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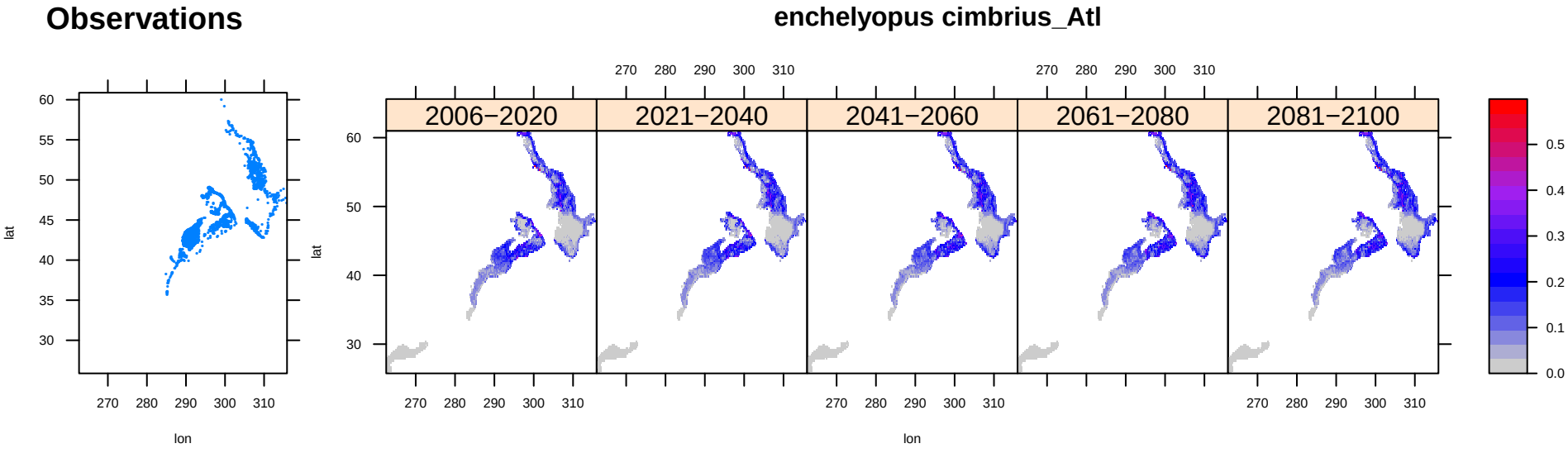
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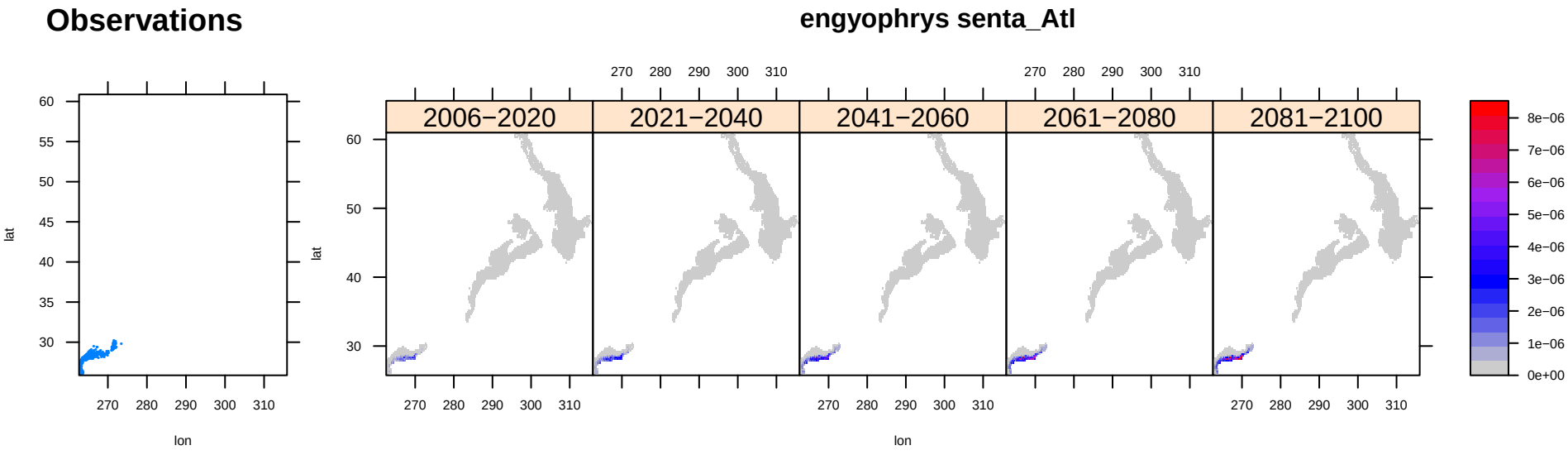
Observations
engyophrys senta_Atl
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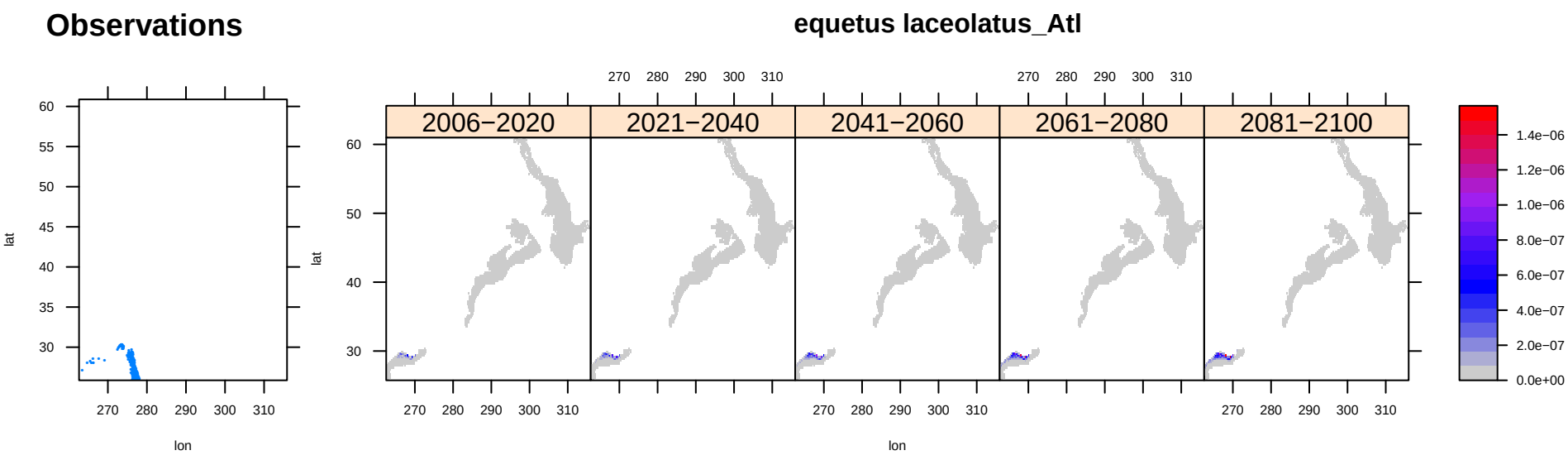
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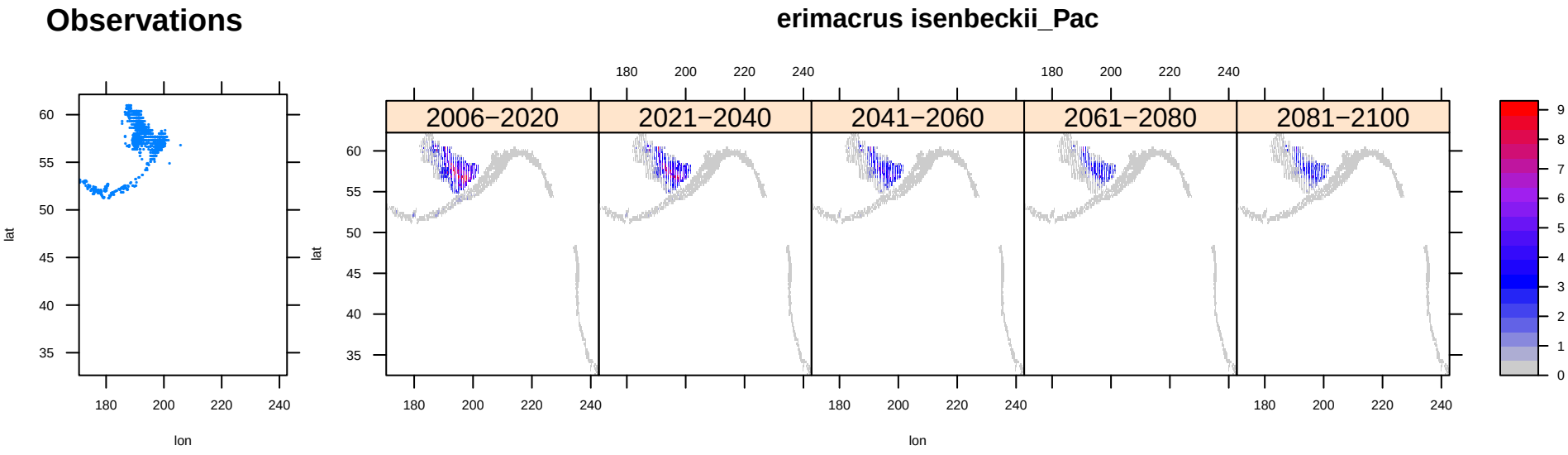
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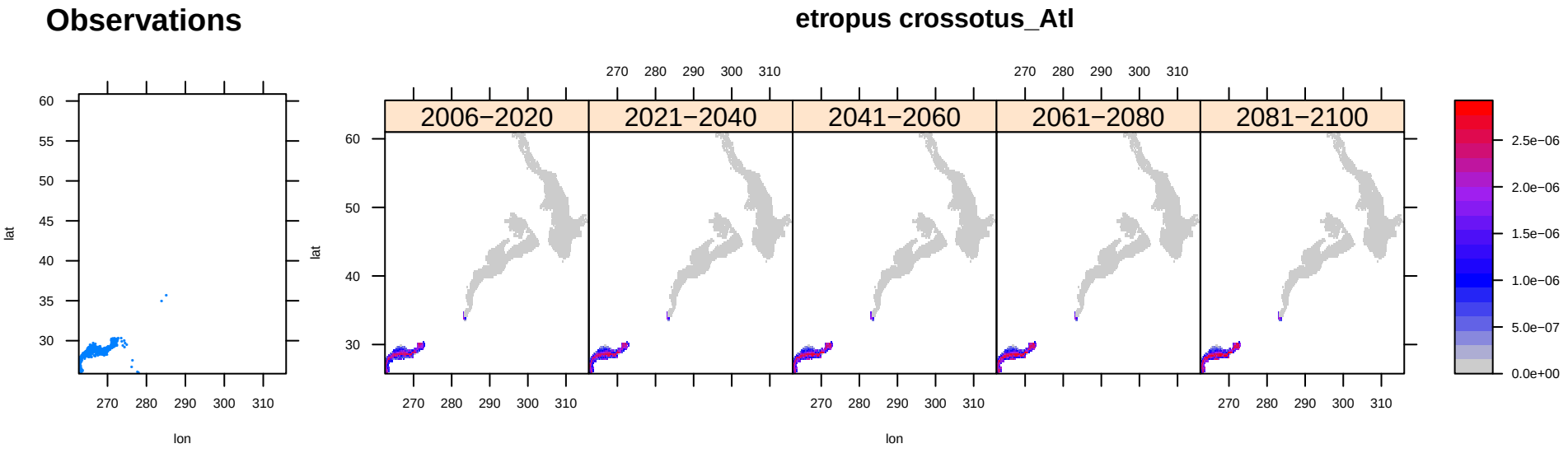
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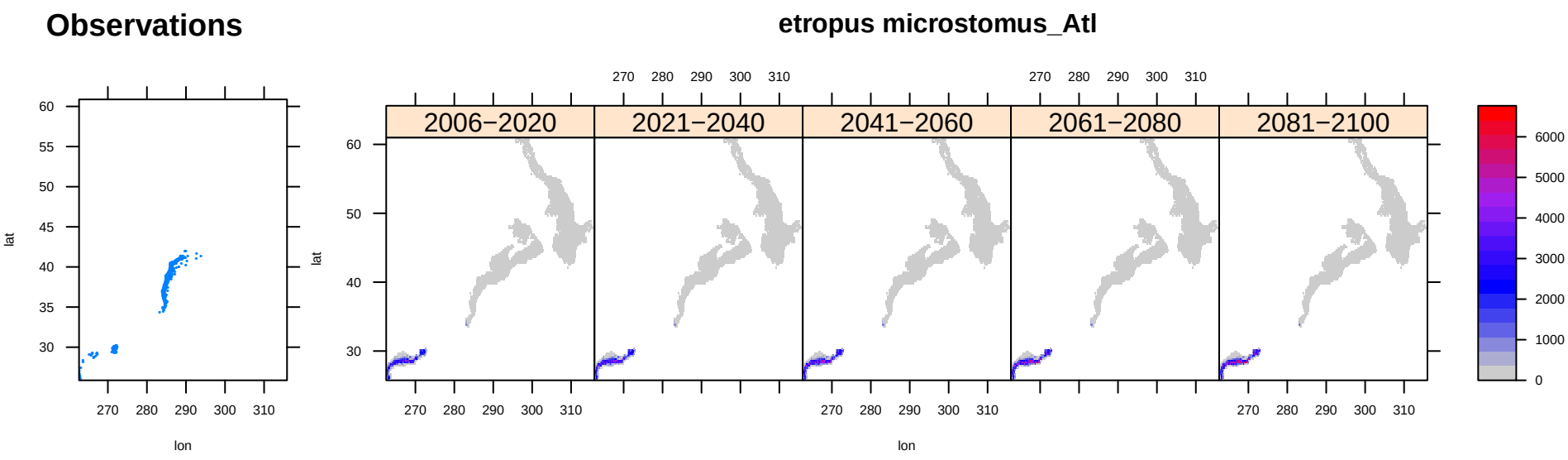
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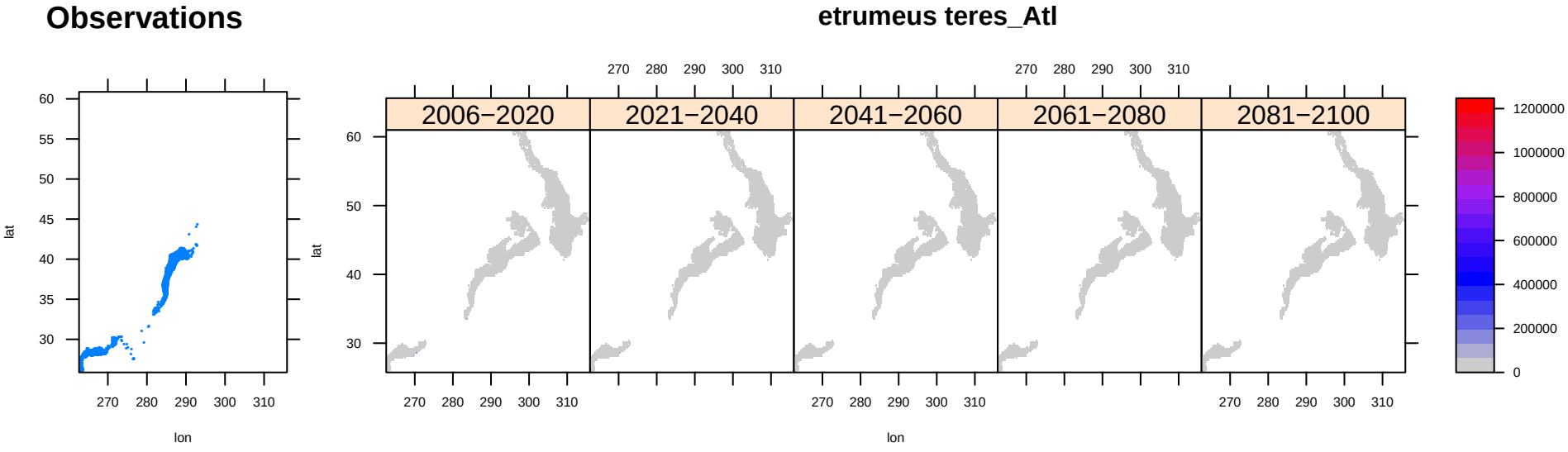
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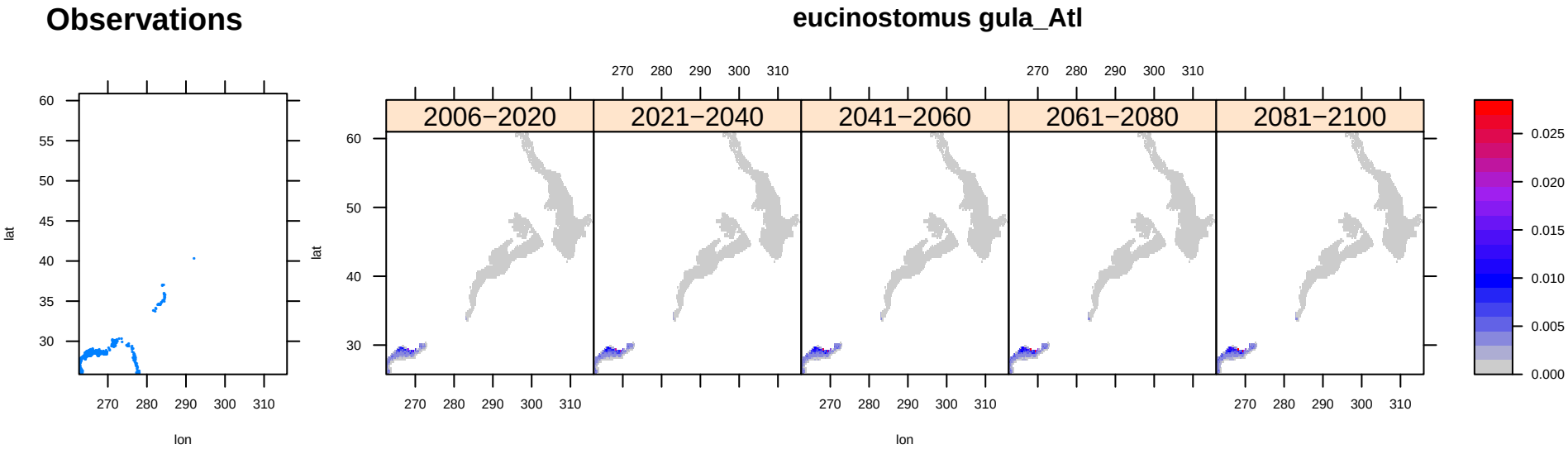
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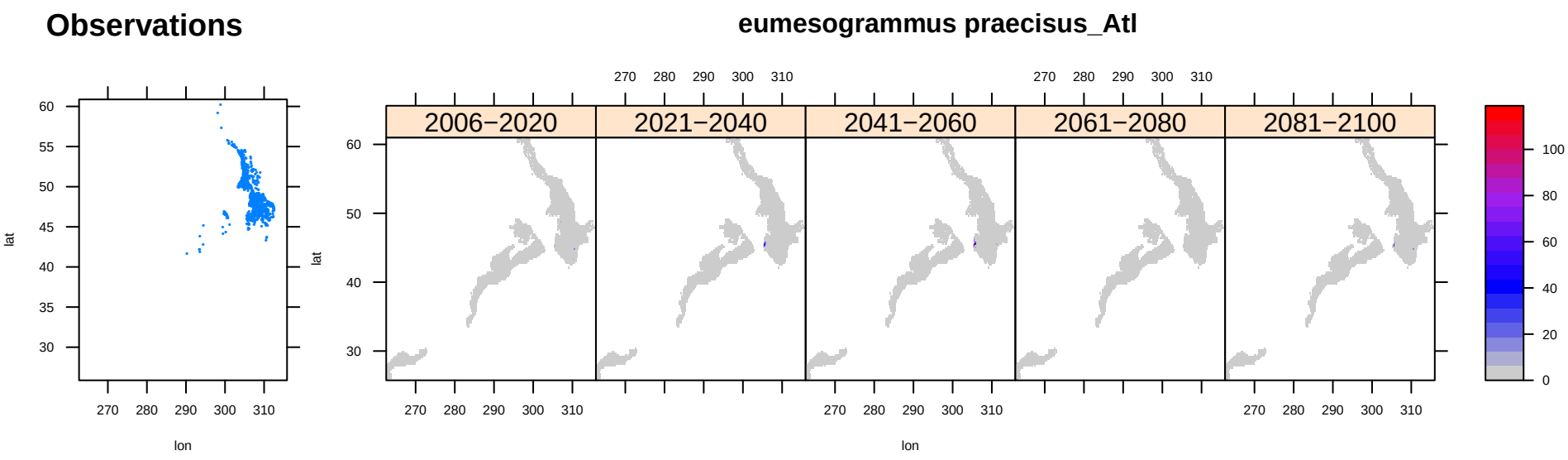
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eumesogrammus praecisus_Atl
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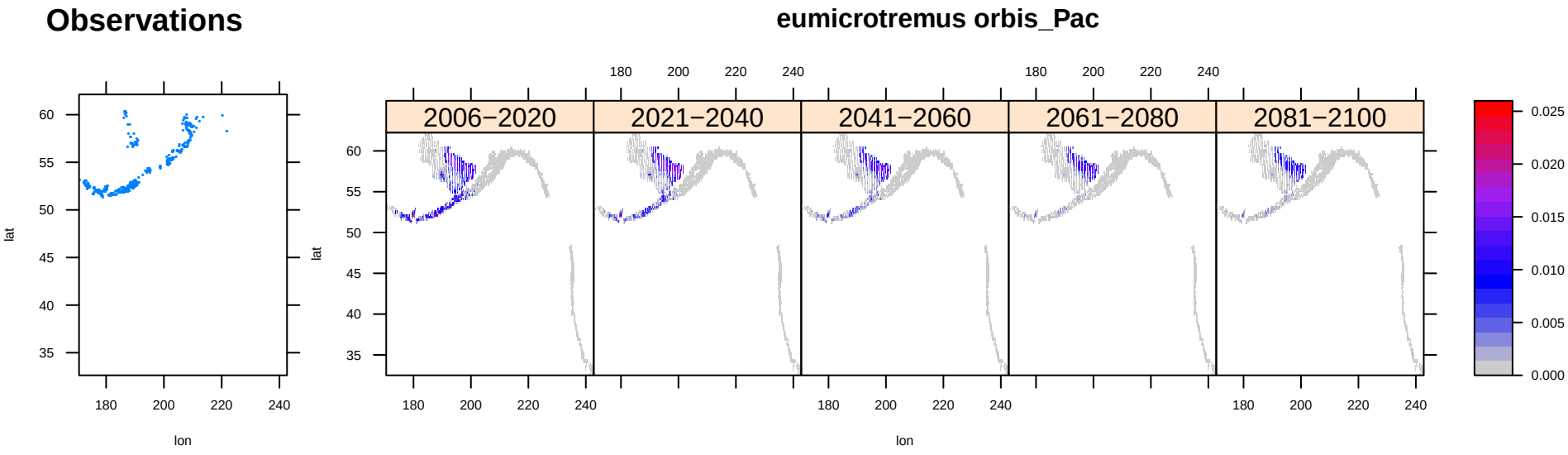
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eumicrotremus orbis_Pac
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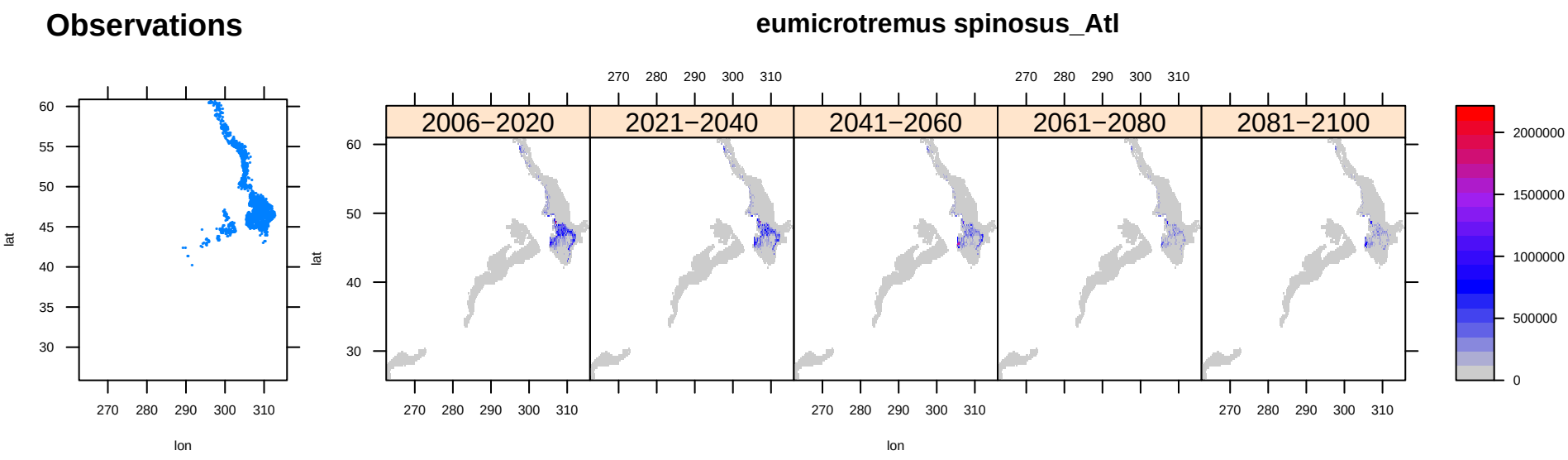
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eumicrotremus spinosus_Atl
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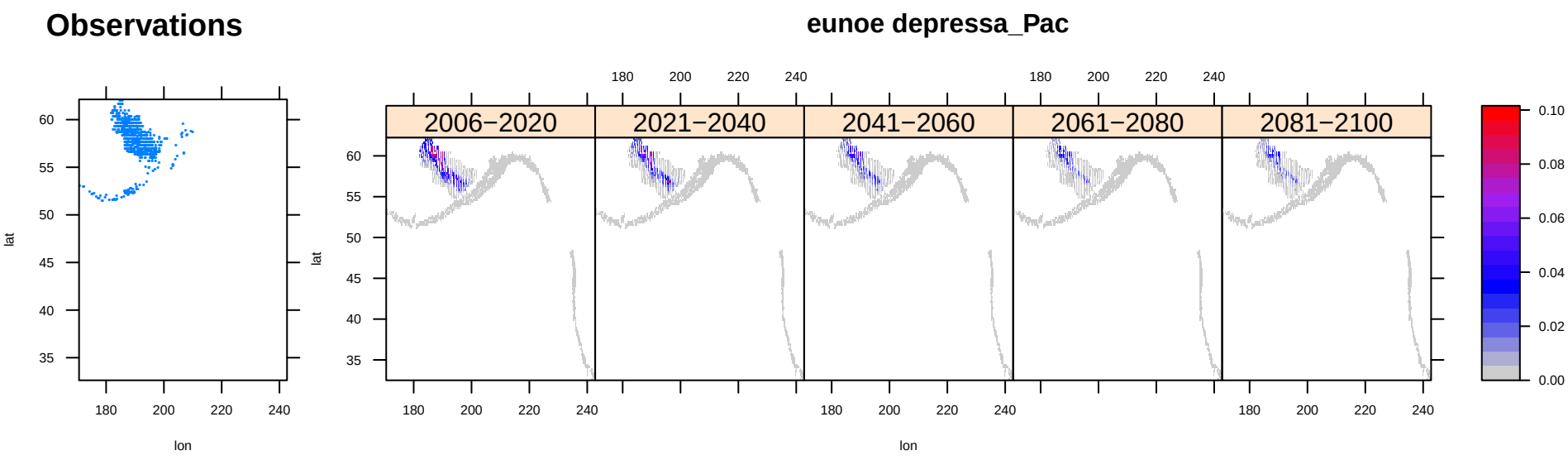
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eunoe depressa_Pac
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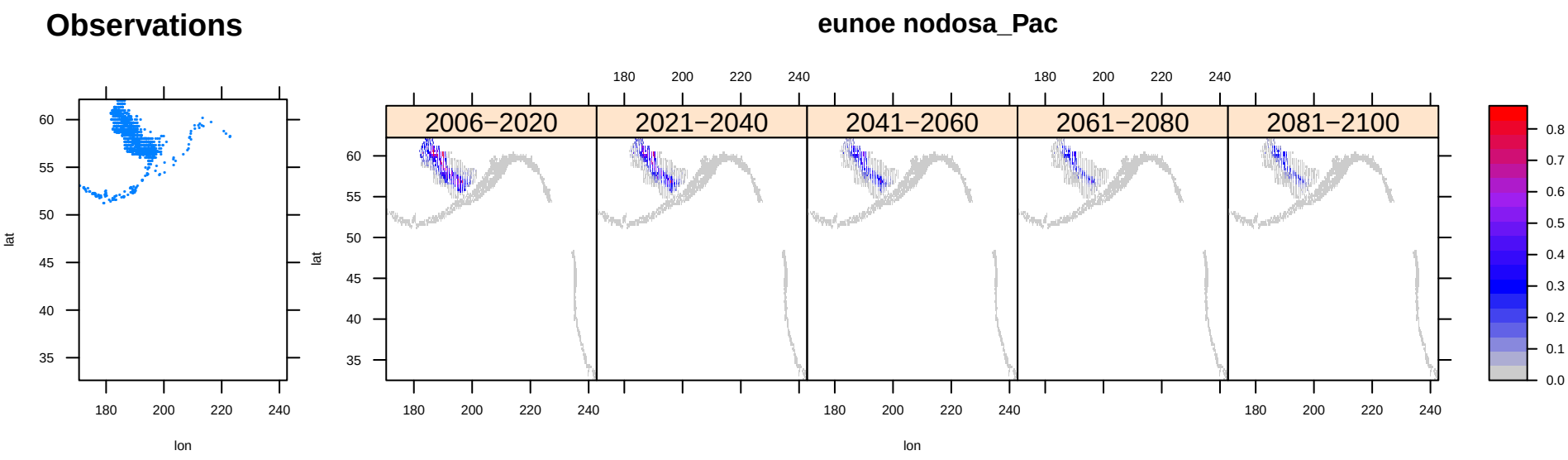
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eunoe nodosa_Pac
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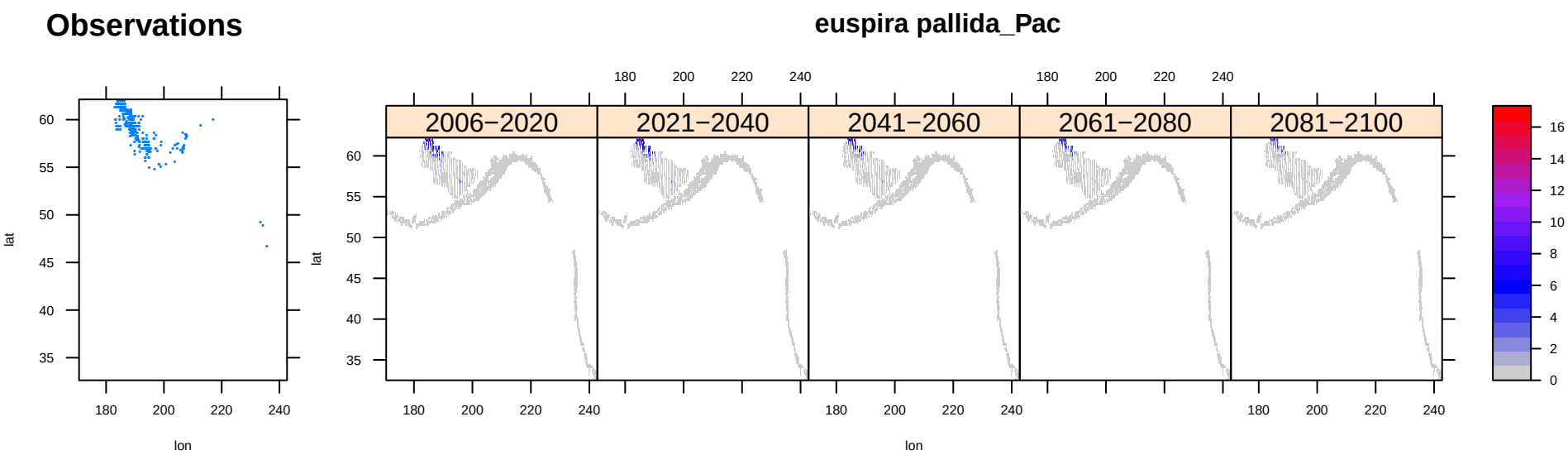
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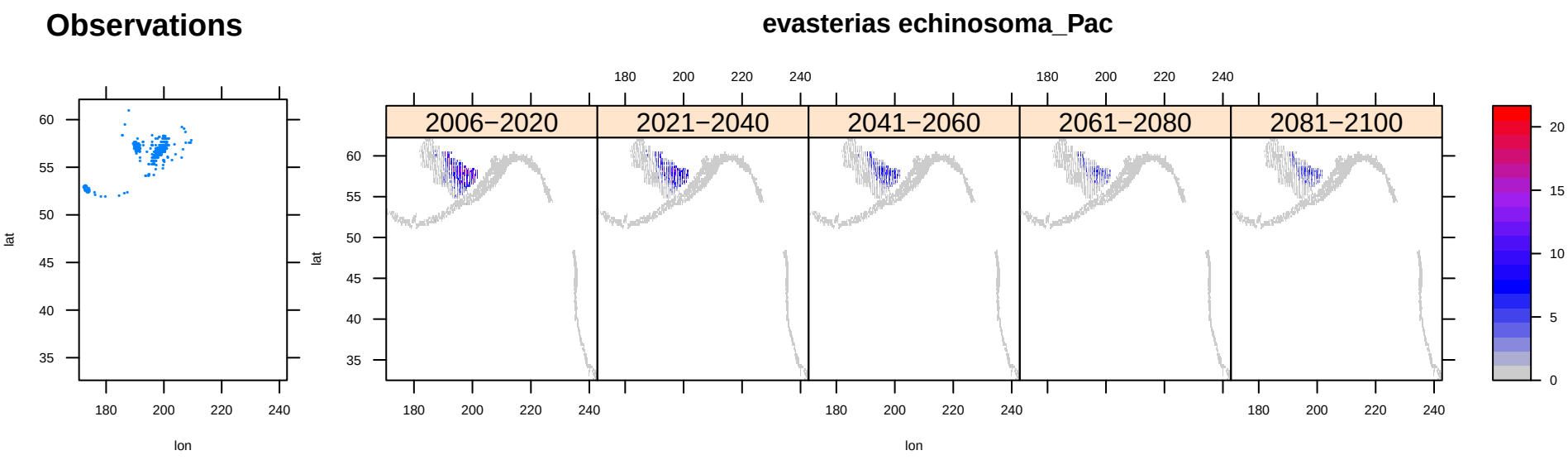
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evasterias echinosoma_Pac
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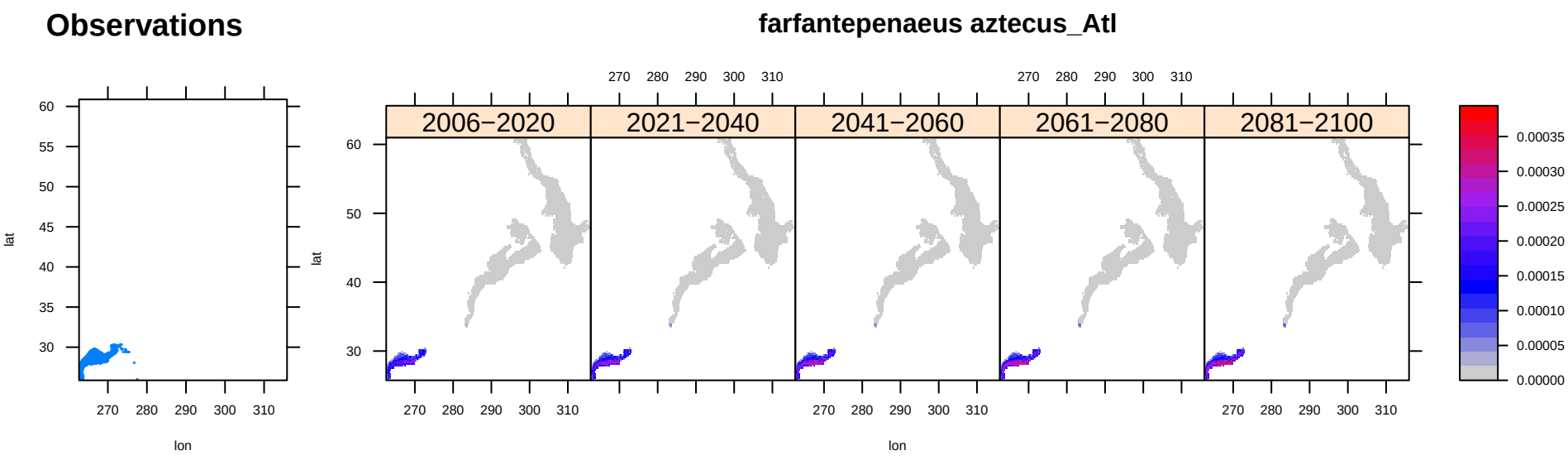
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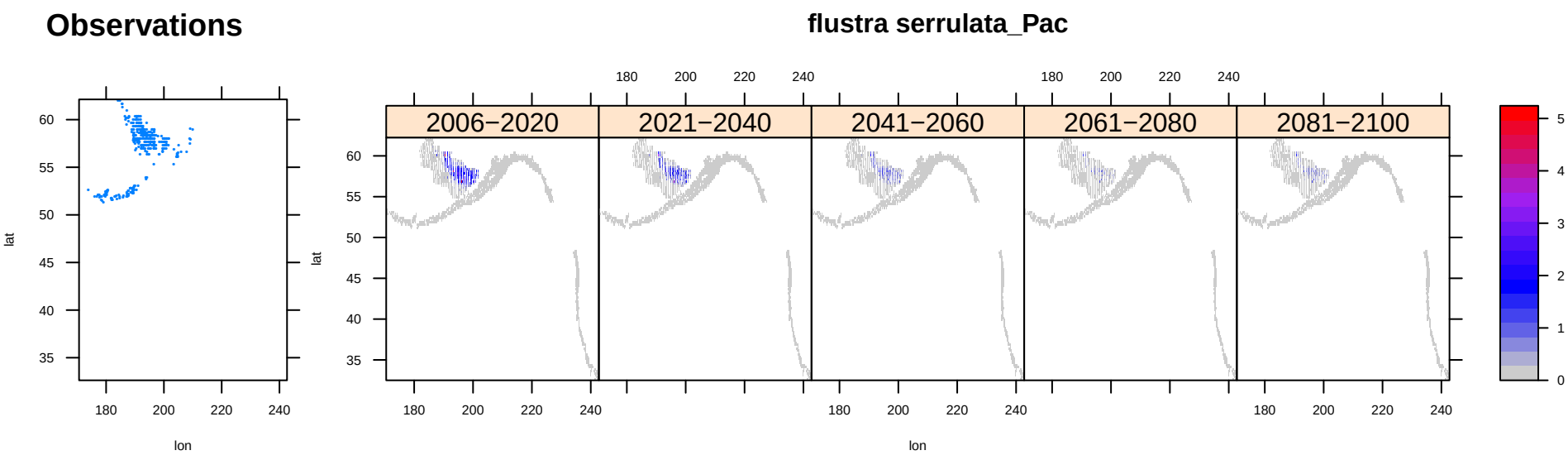
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flustra serrulata_Pac
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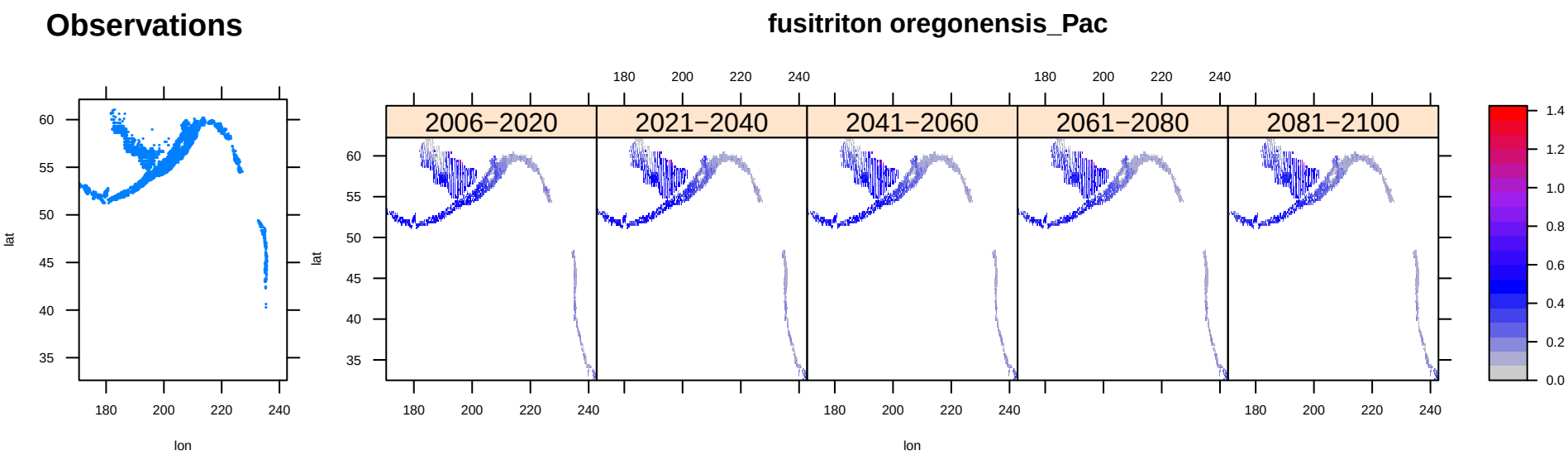
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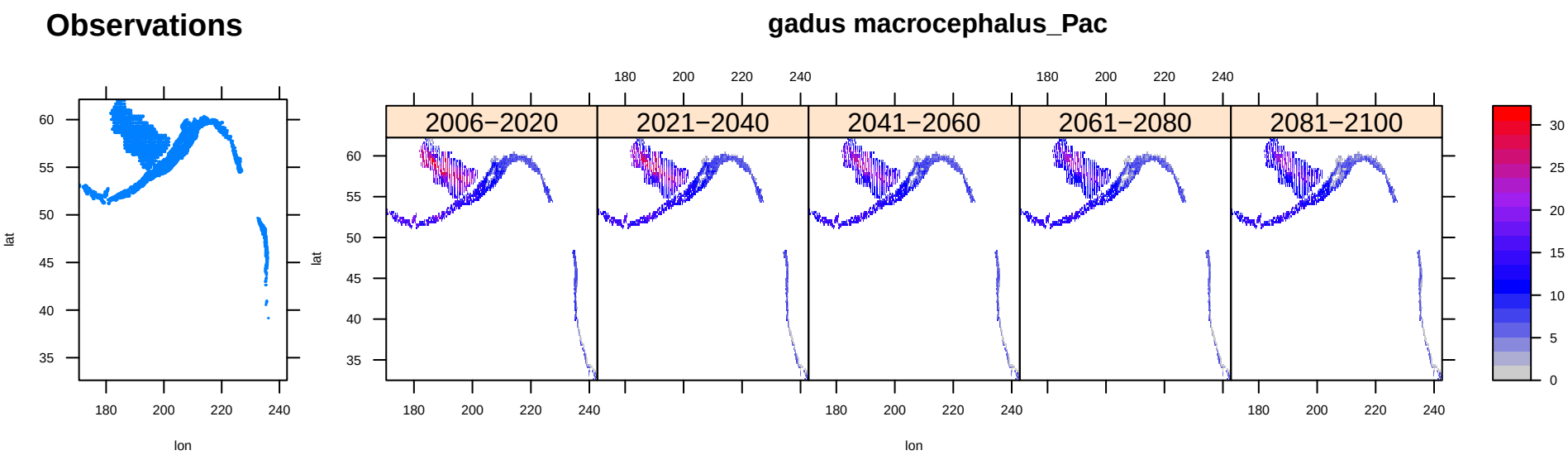
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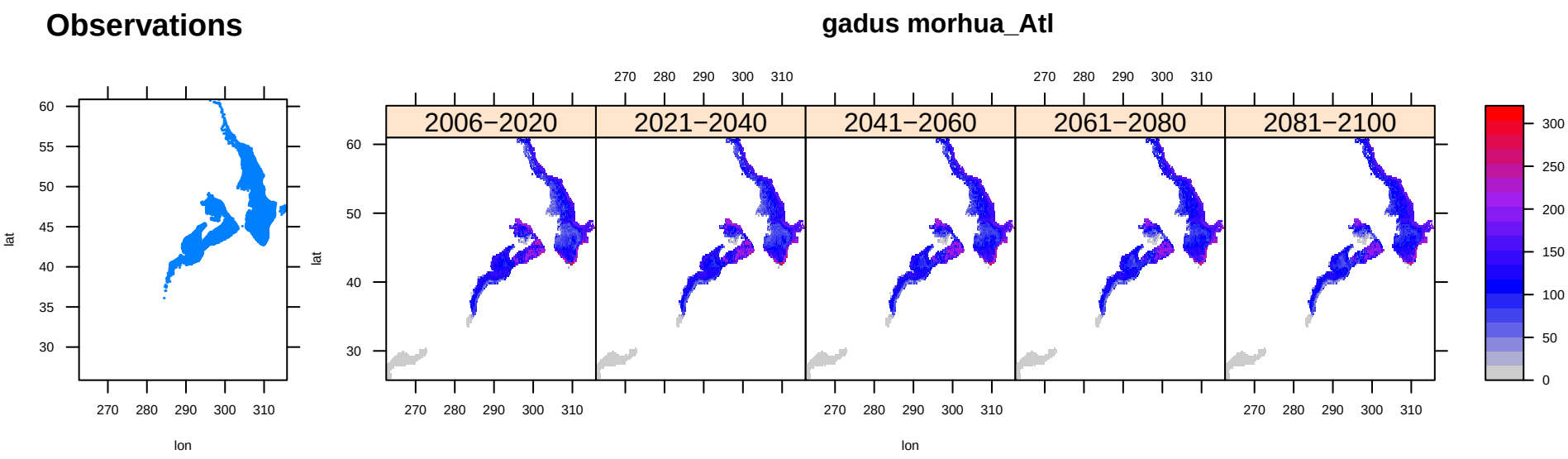
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gadus morhua_Atl
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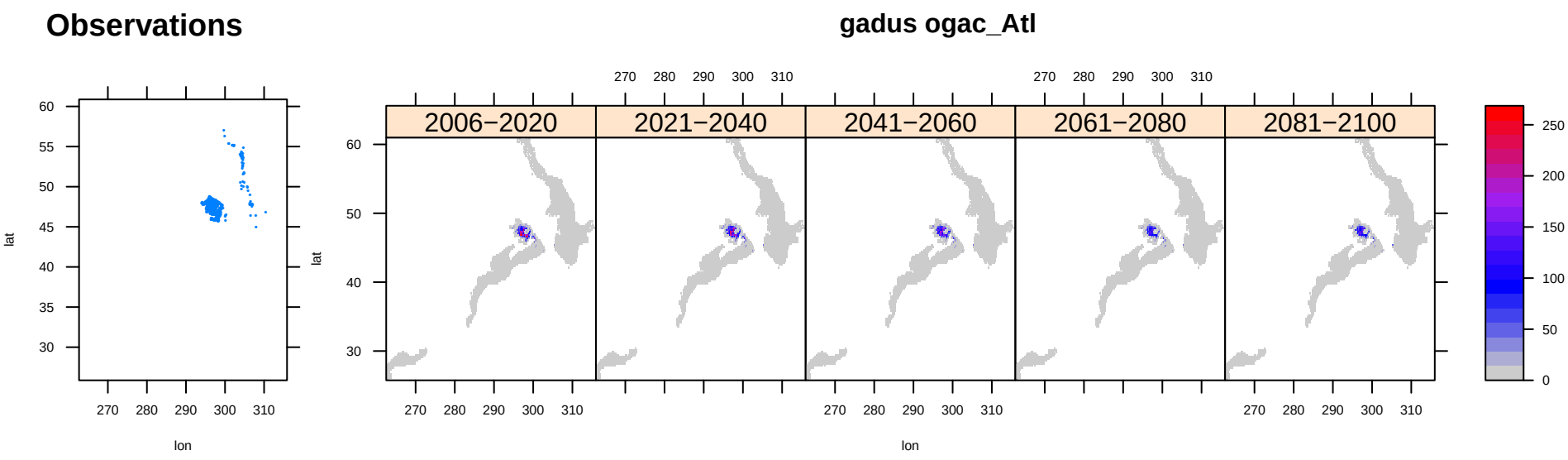
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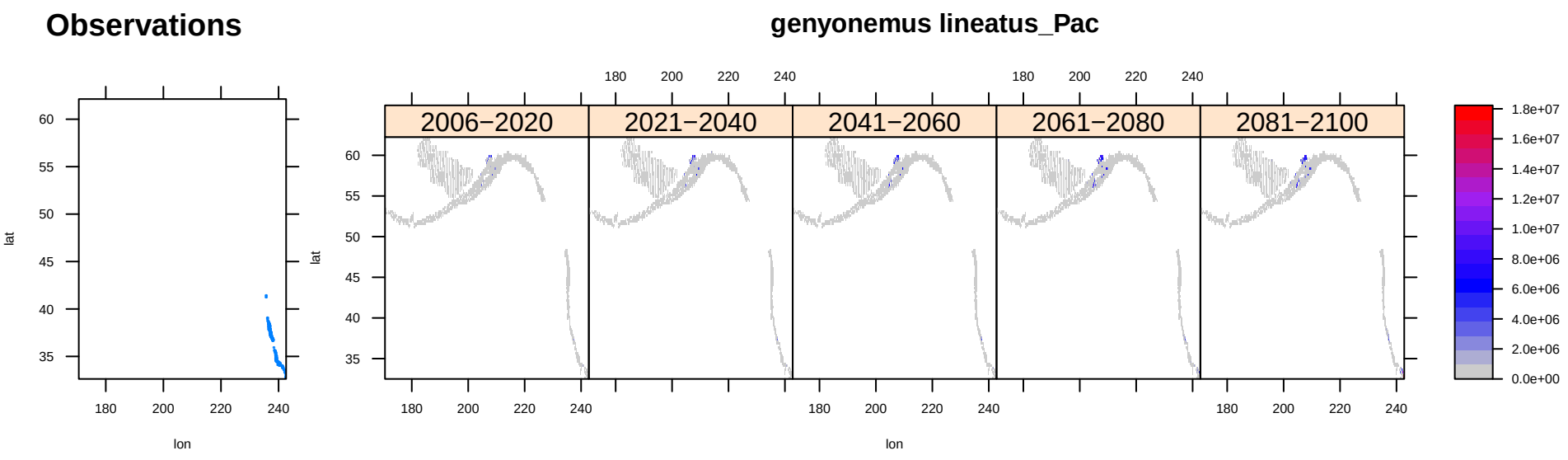
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genyonemus lineatus_Pac
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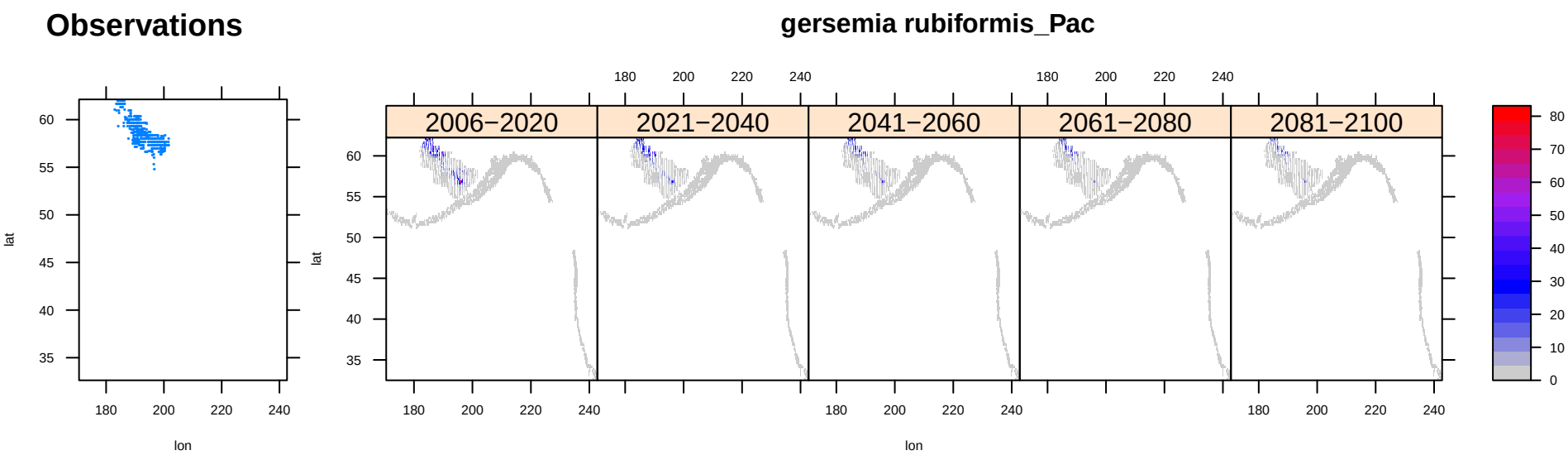
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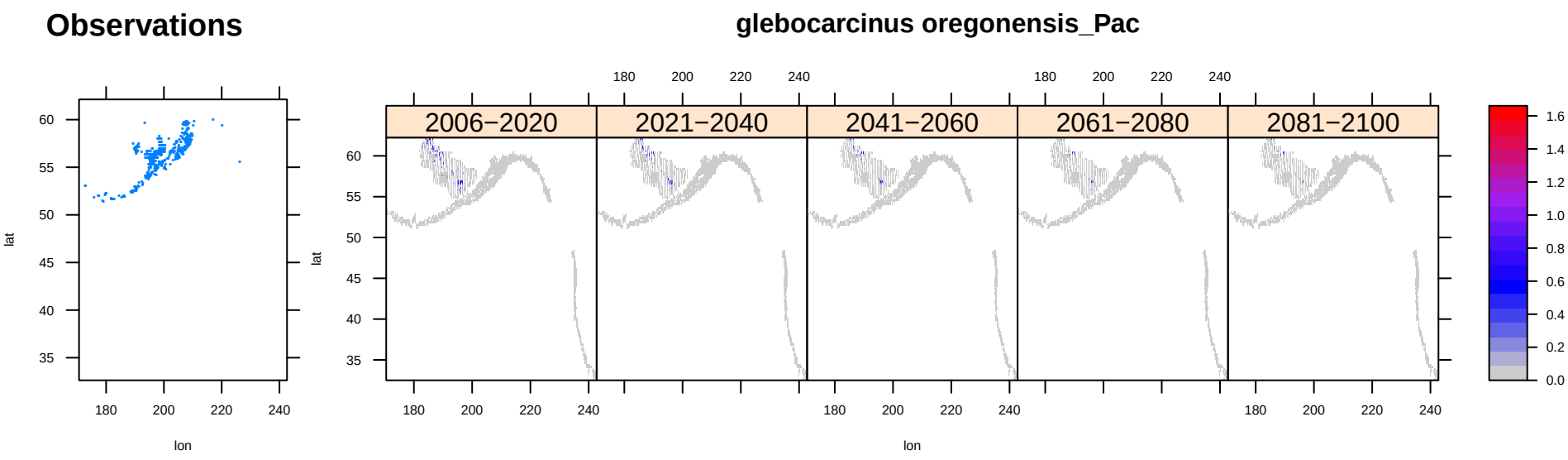
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glebocarcinus oregonensis_Pac
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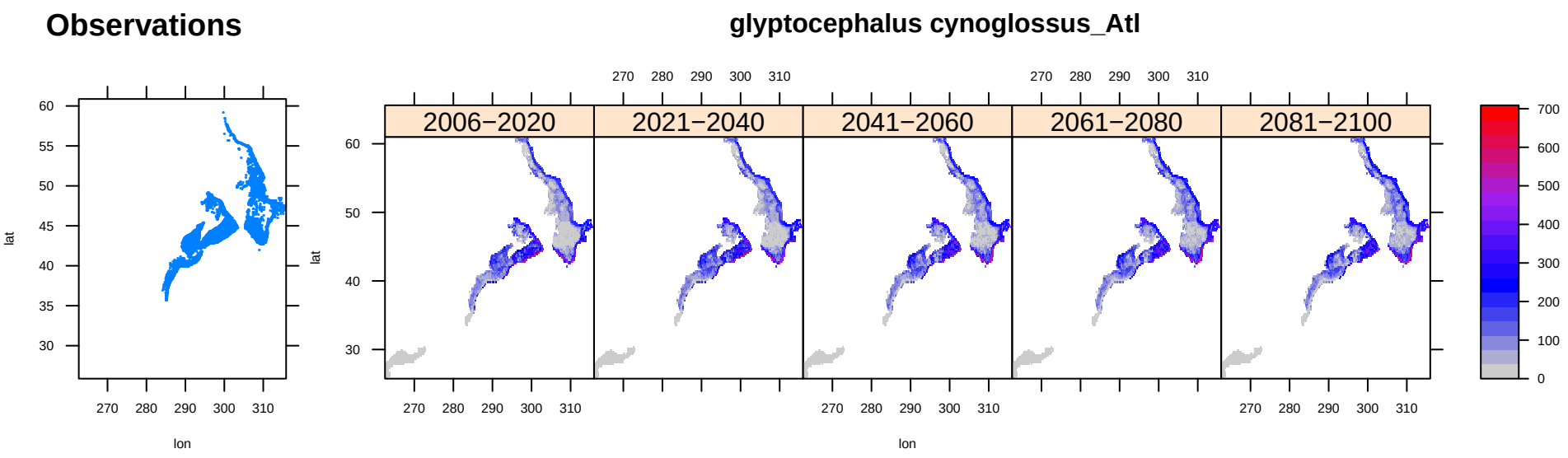
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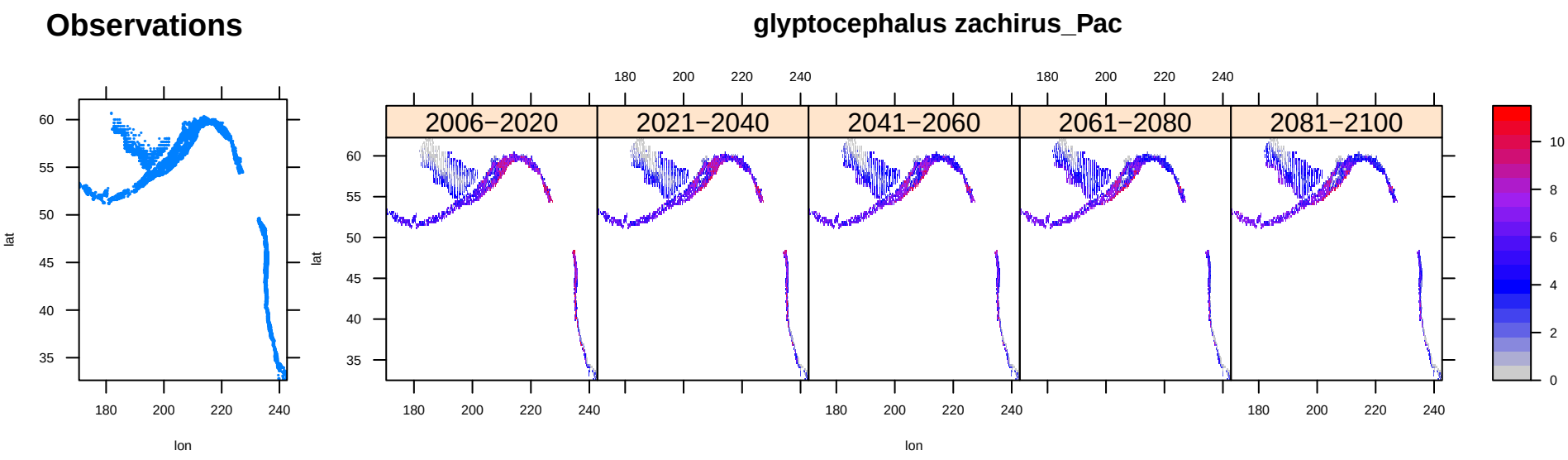
Observations
glyptocephalus zachirus_Pac
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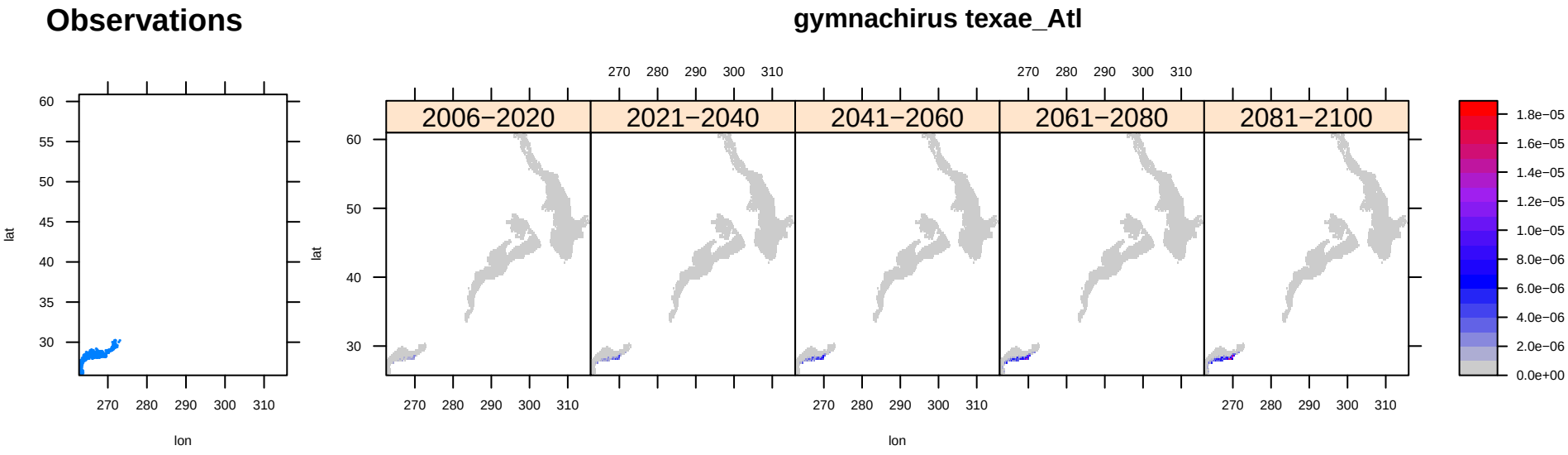
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gymnachirus texae_Atl
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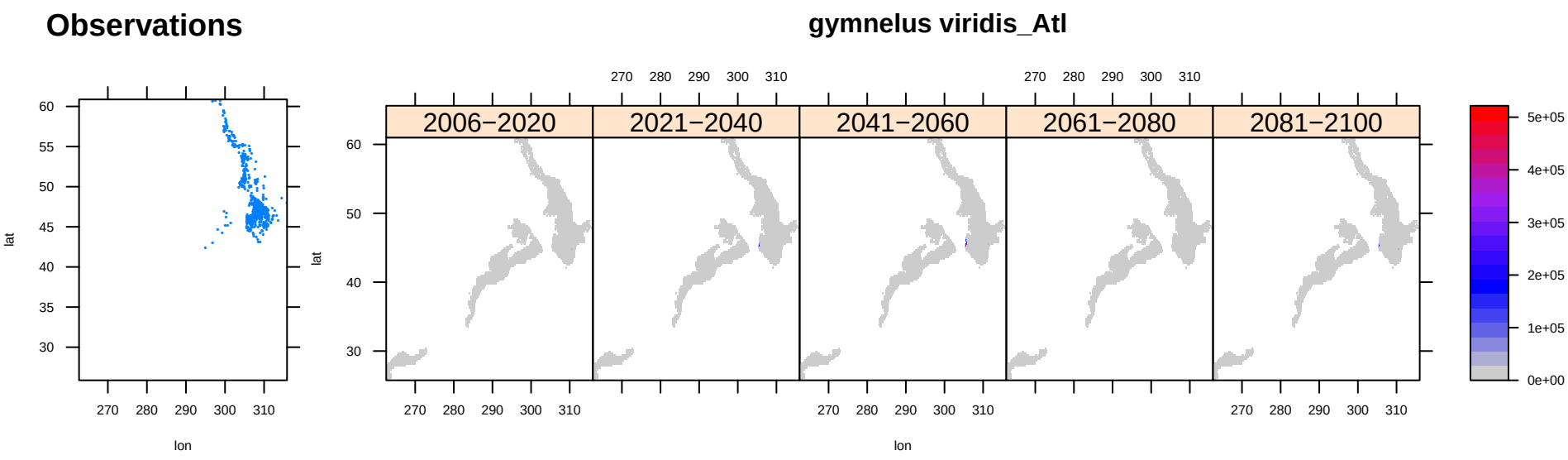
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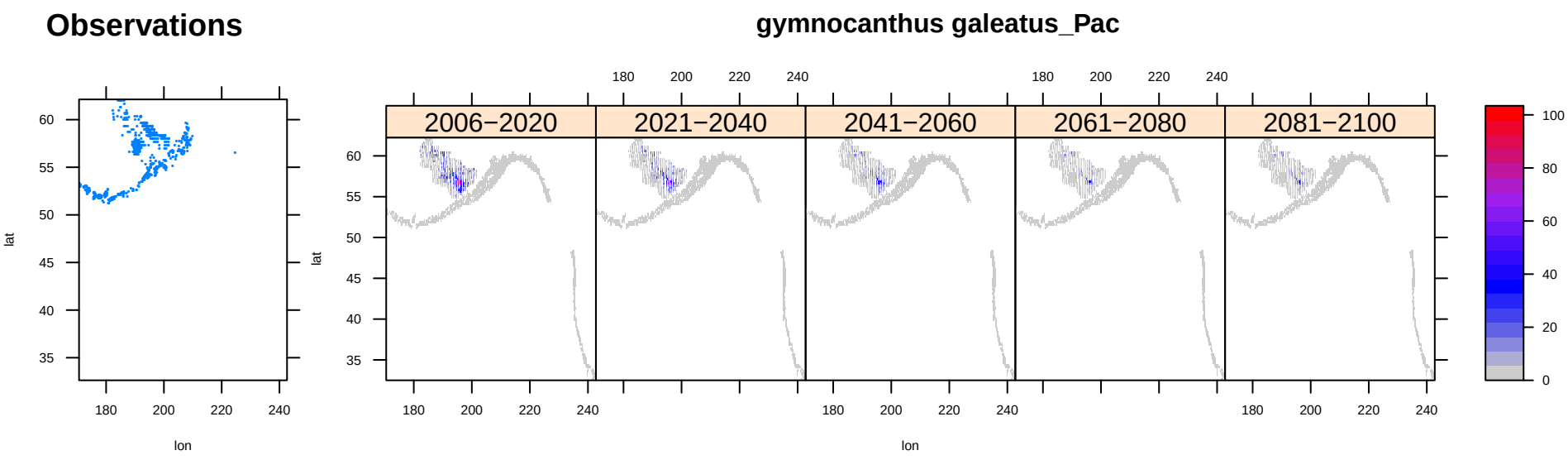
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gymnocanthus galeatus_Pac
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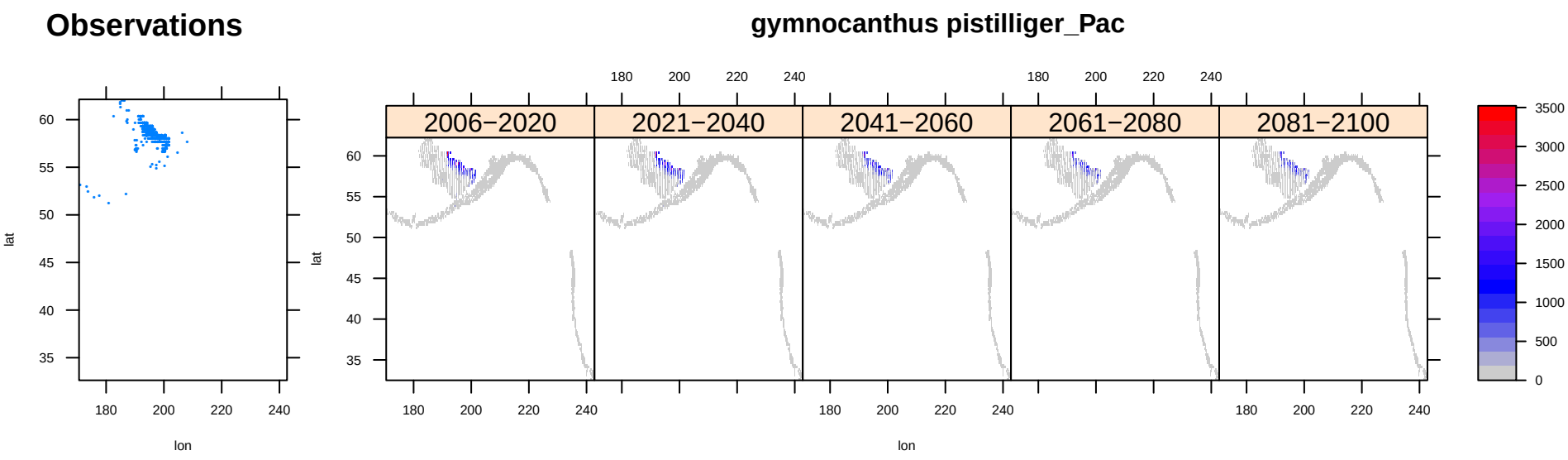
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gymnocanthus pistilliger_Pac
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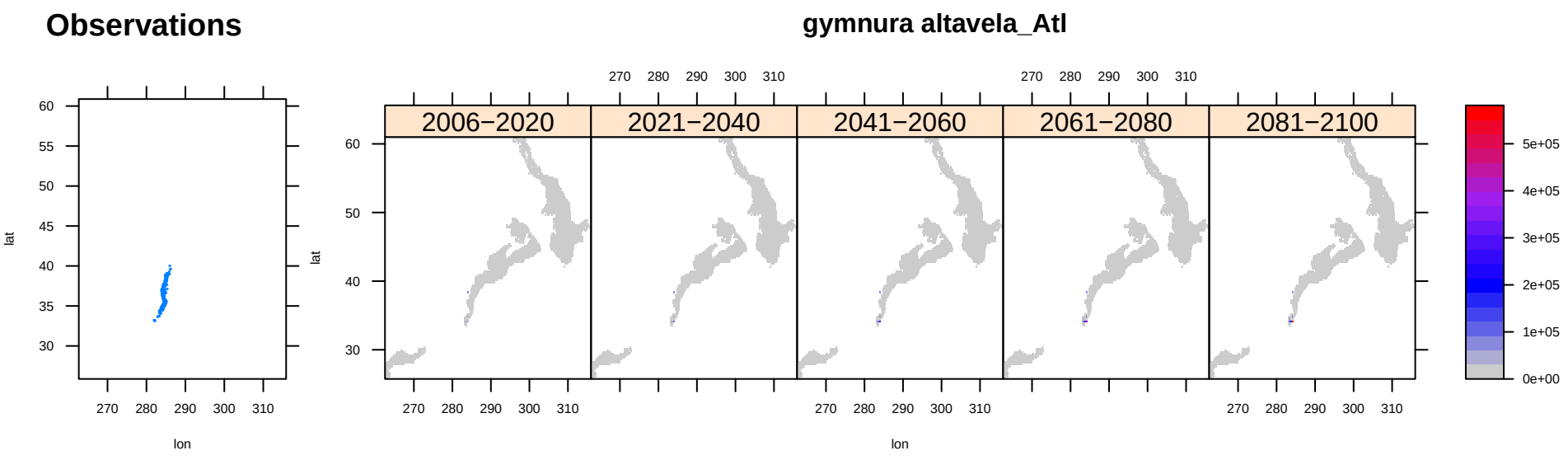
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gymnura altavela_Atl
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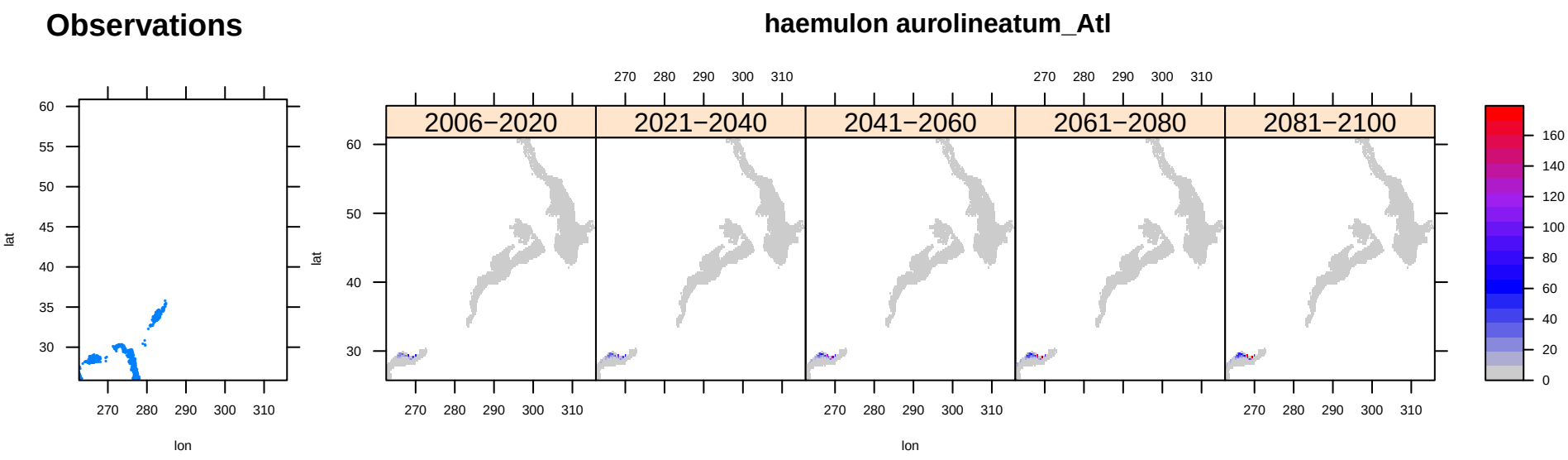
Observations
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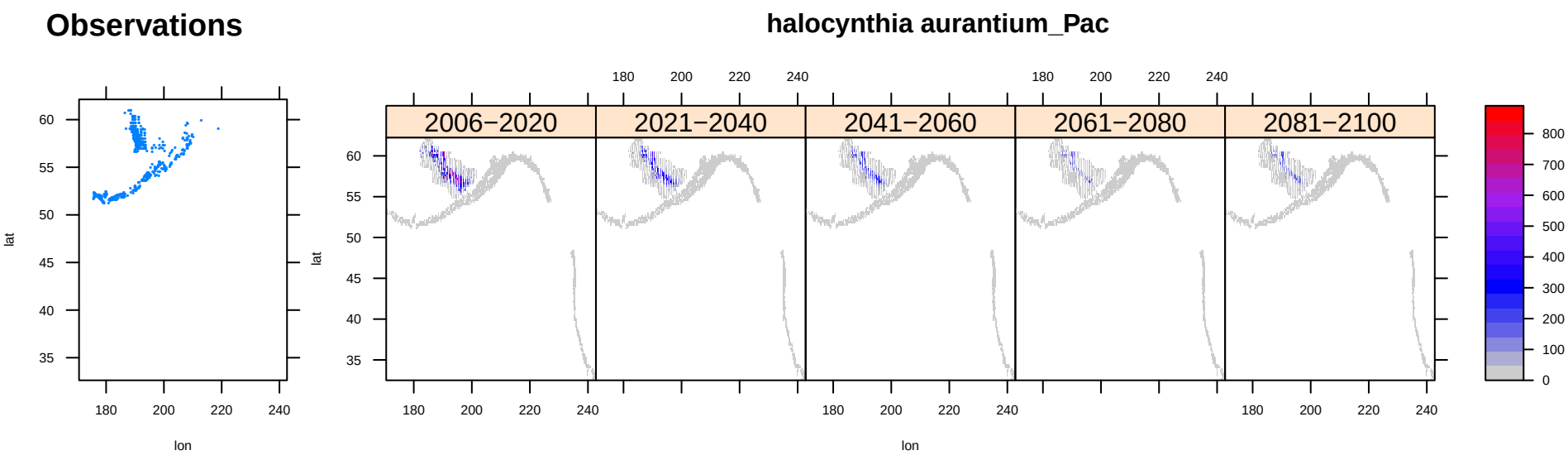
Observations
halocynthia aurantium_Pac
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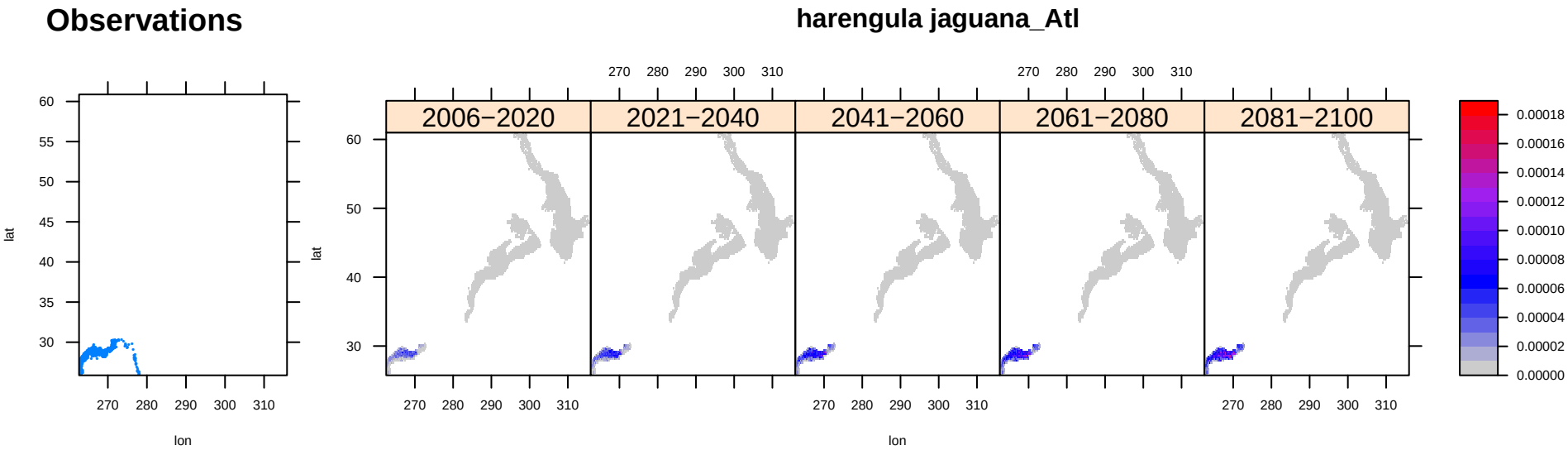
Observations
harengula jaguana_Atl
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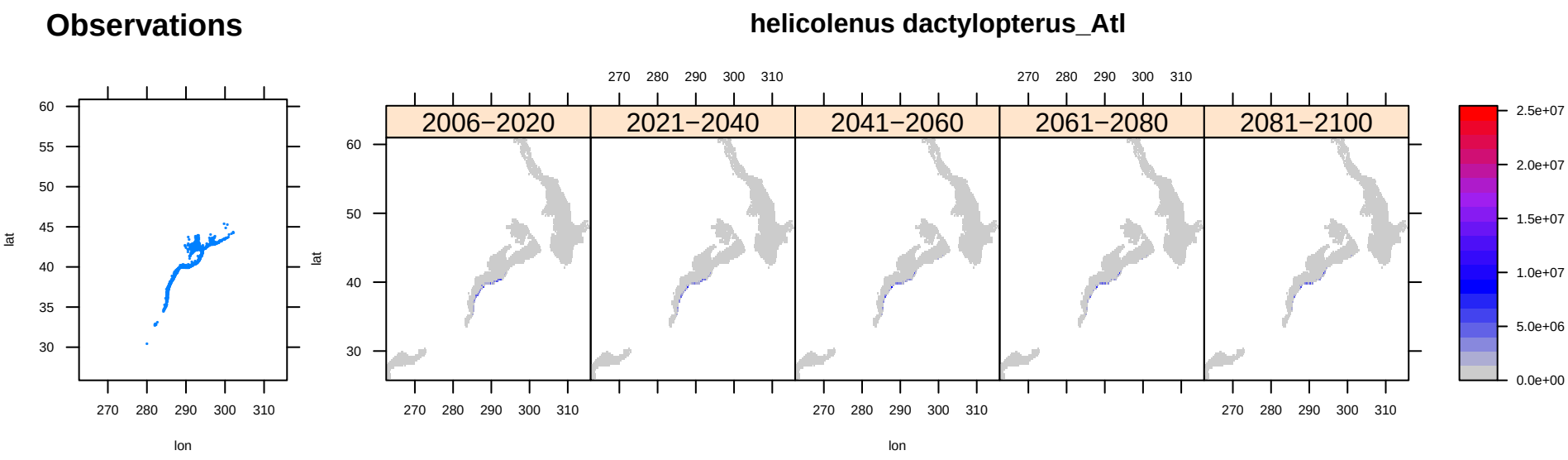
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helicolenus dactylopterus_Atl
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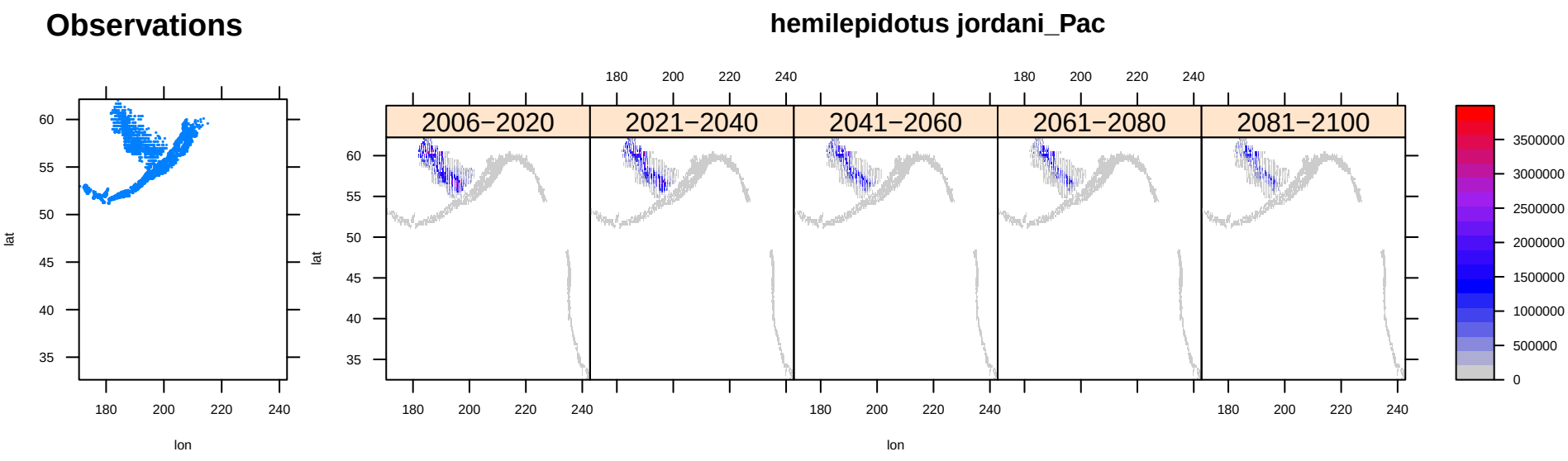
Observations
hemilepidotus jordani_Pac
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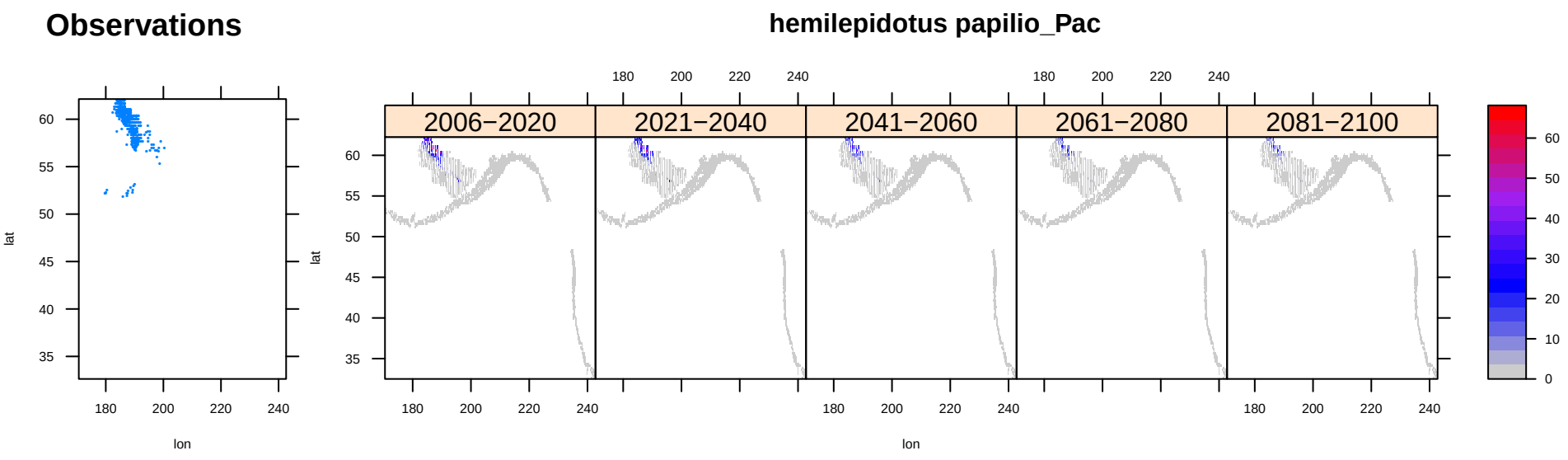
Observations
hemilepidotus papilio_Pac
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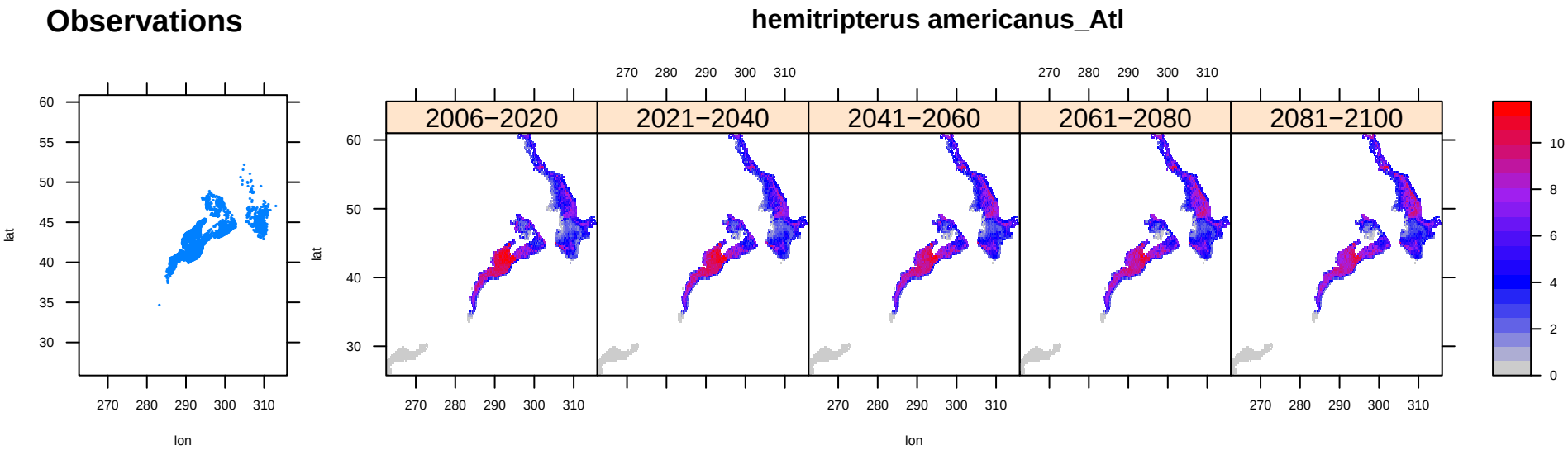
Observations
hemitripterus americanus_Atl
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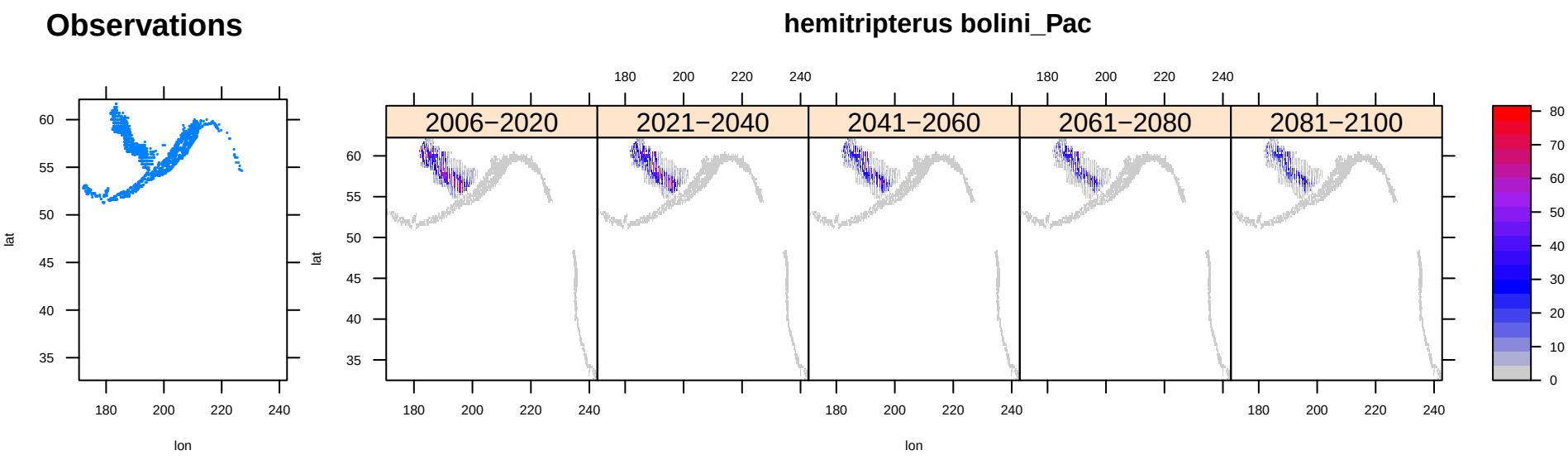
Observations
hemitripterus bolini_Pac
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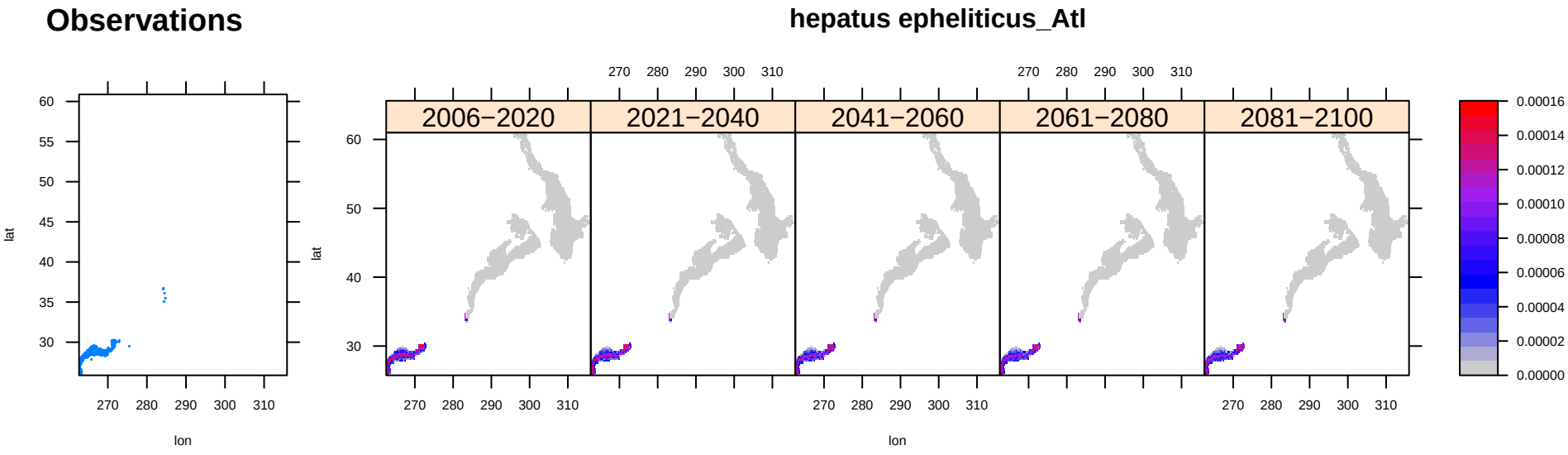
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hepatus epheliticus_Atl
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2081−2100
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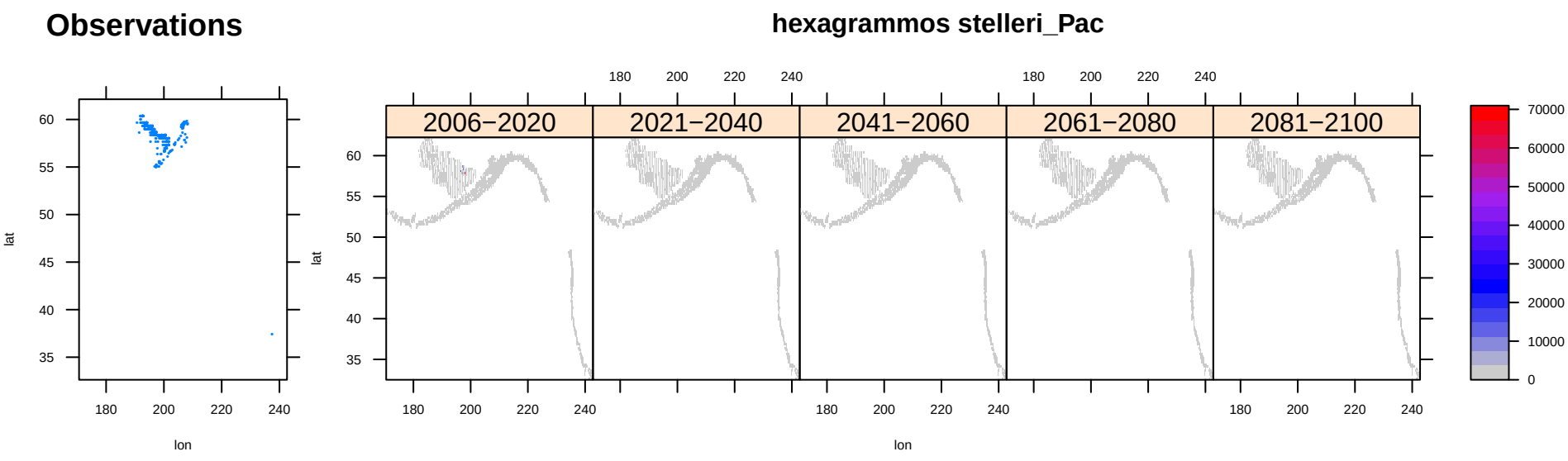
Observations
hexagrammos stelleri_Pac
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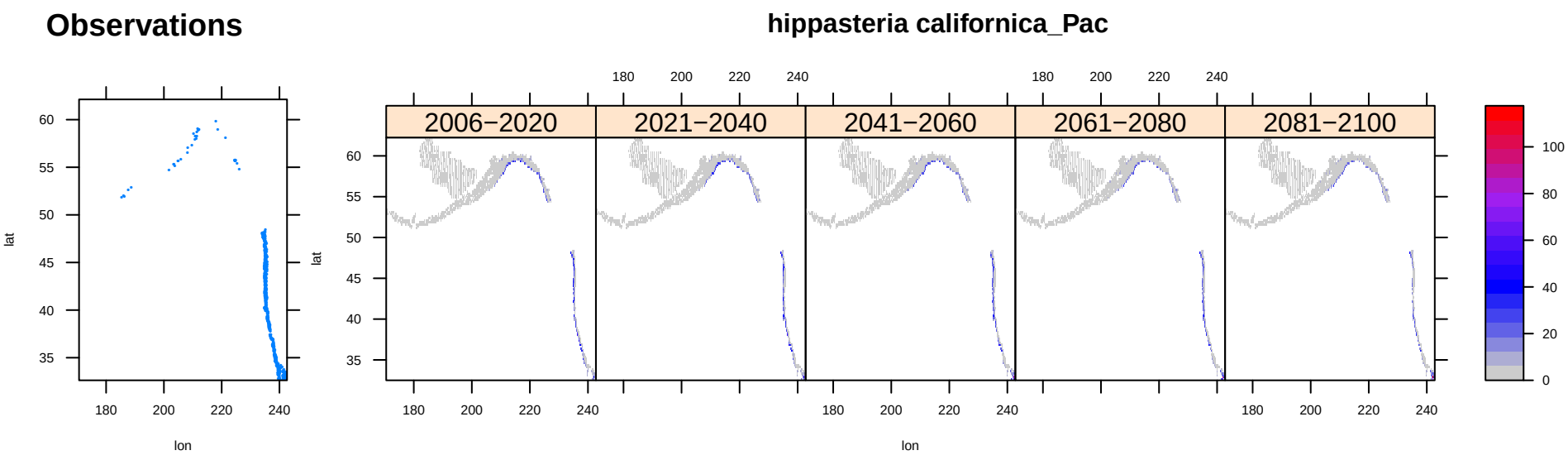
Observations
hippasteria californica_Pac
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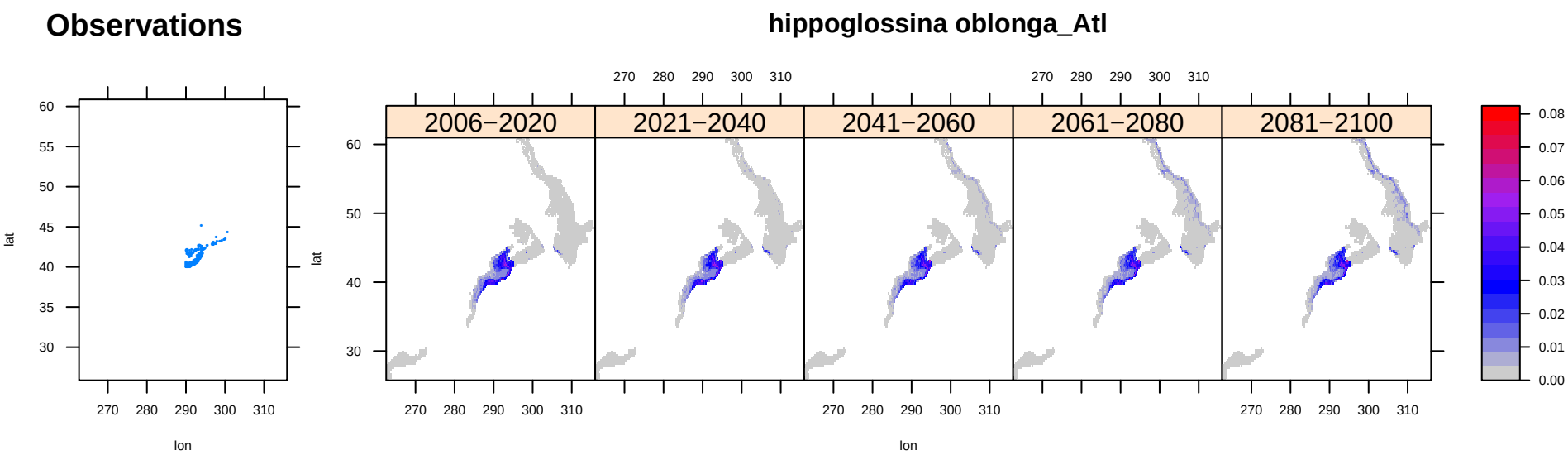
Observations
hippoglossina oblonga_Atl
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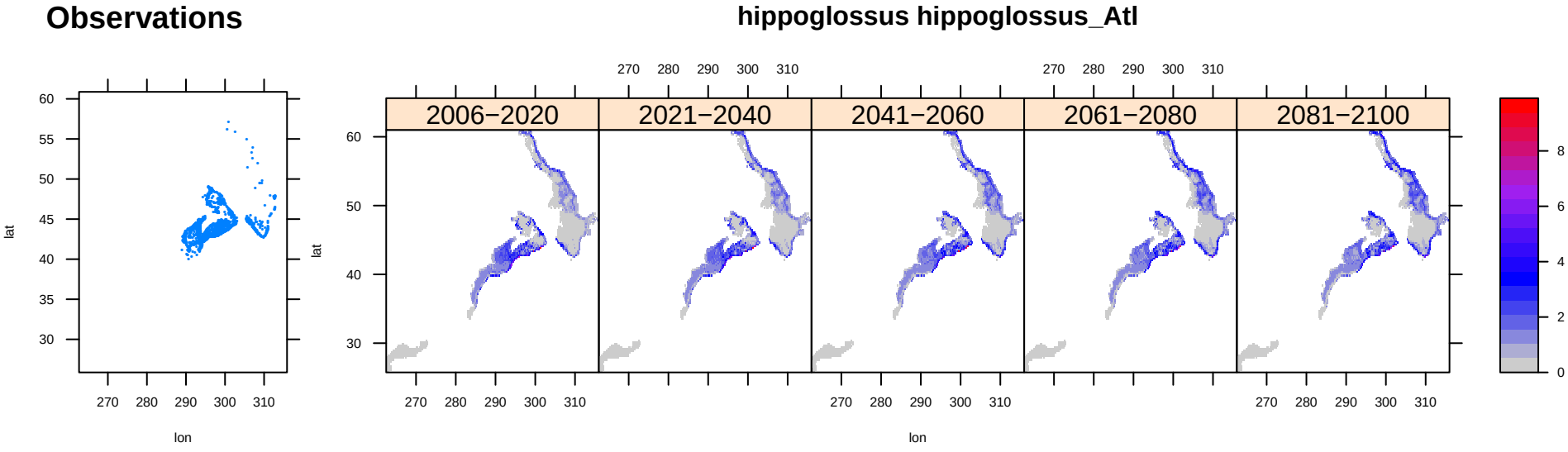
Observations
hippoglossus hippoglossus_Atl
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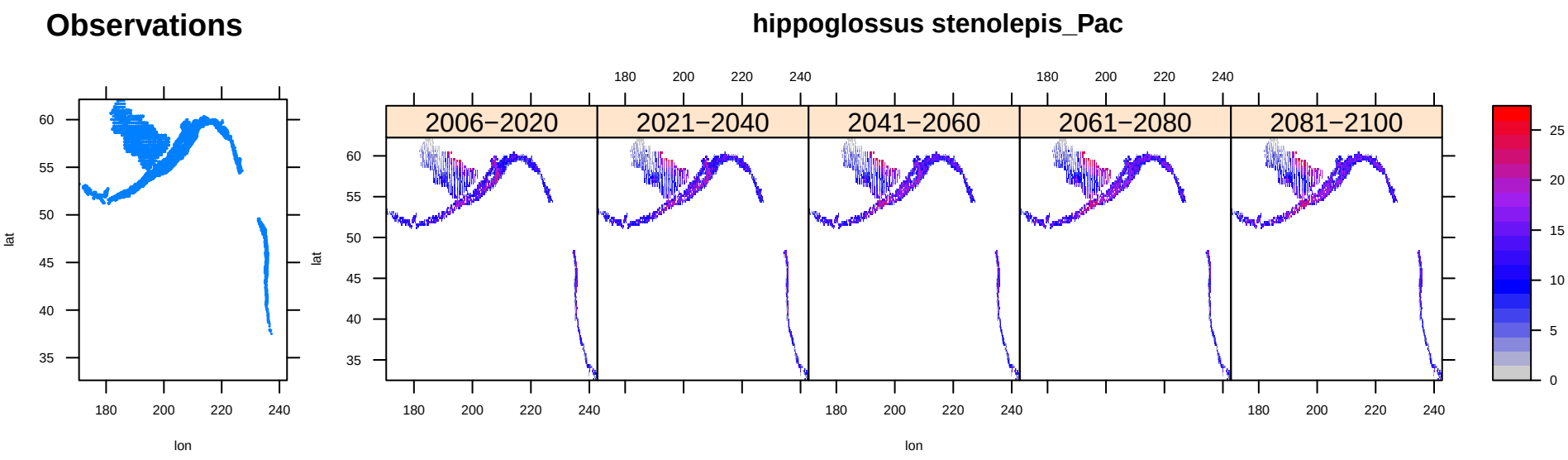
Observations
hippoglossus stenolepis_Pac
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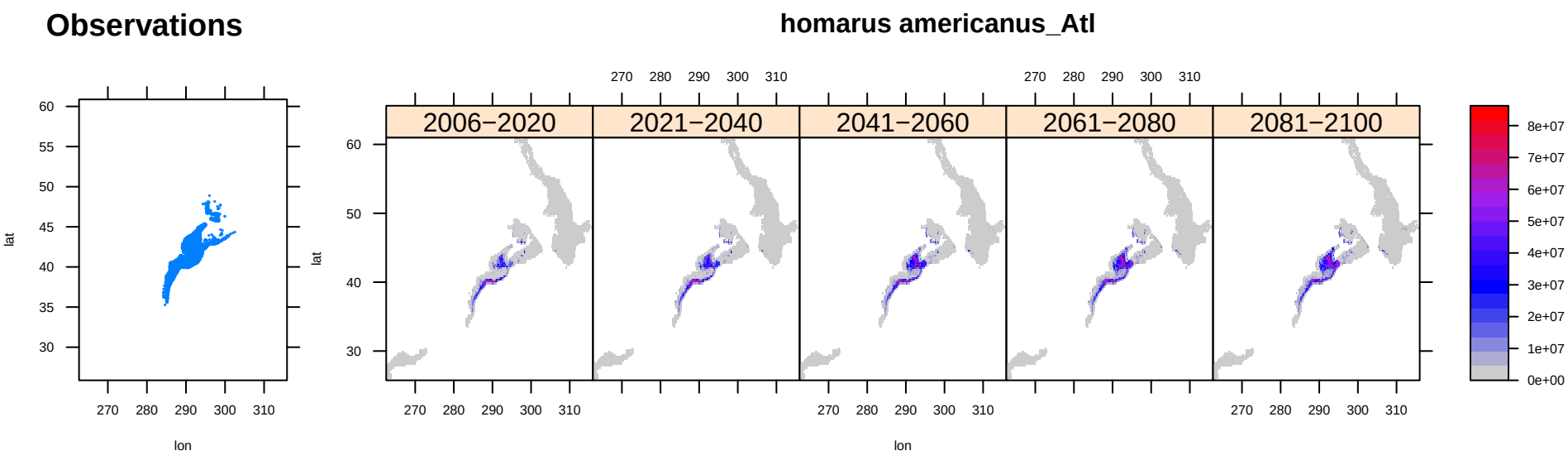
Observations
homarus americanus_Atl
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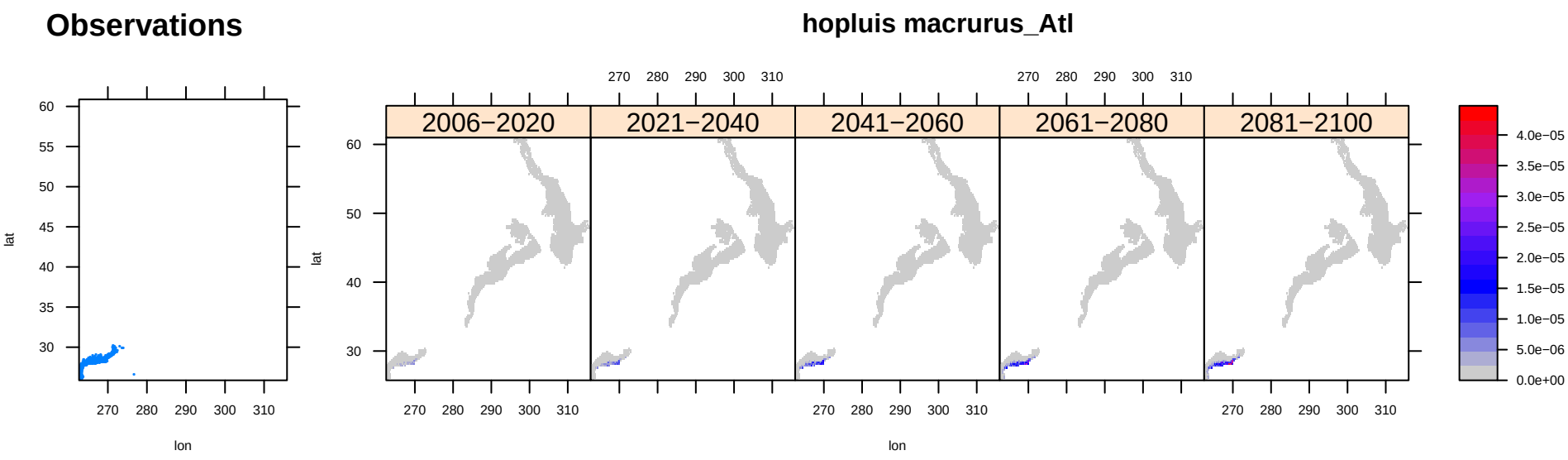
Observations
hopluis macrurus_Atl
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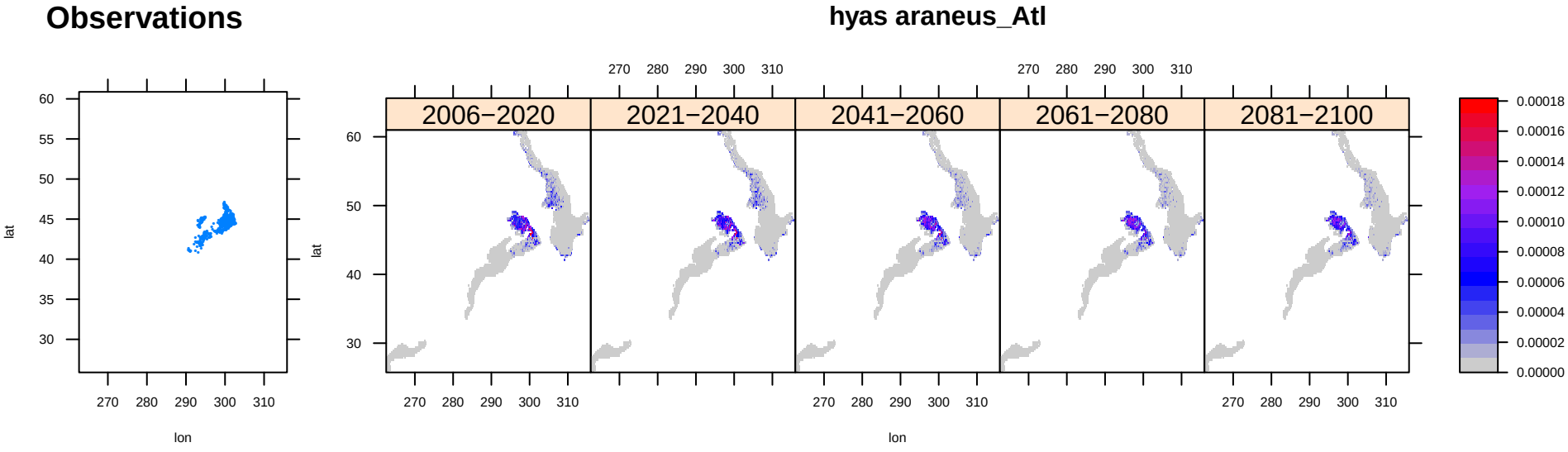
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hyas araneus_Atl
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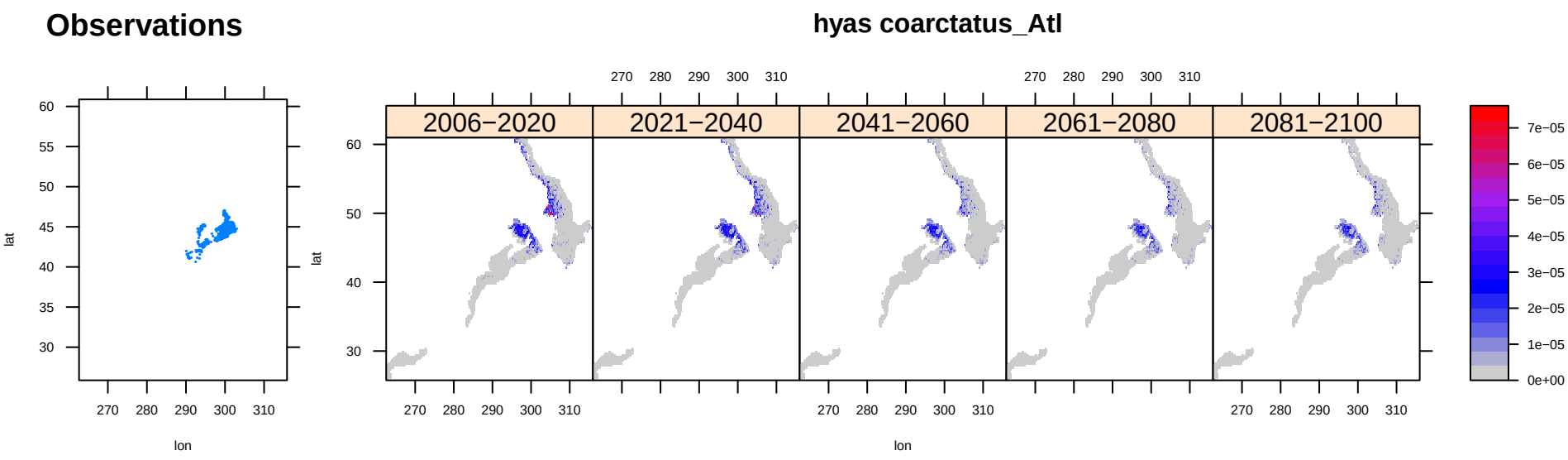
Observations
hyas coarctatus_Atl
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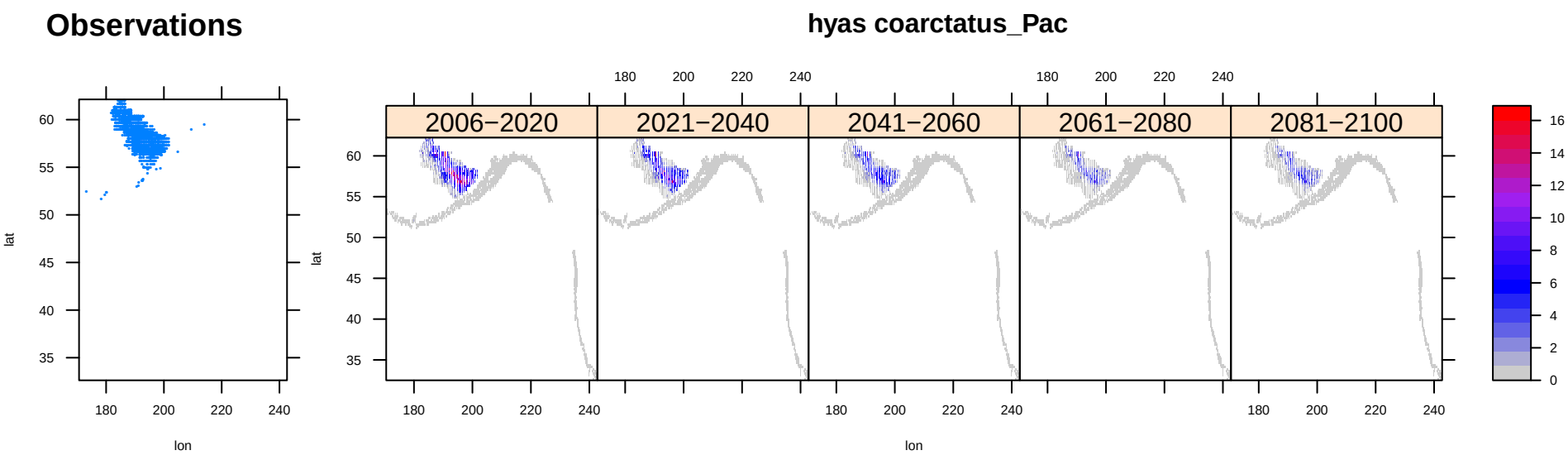
Observations
hyas coarctatus_Pac
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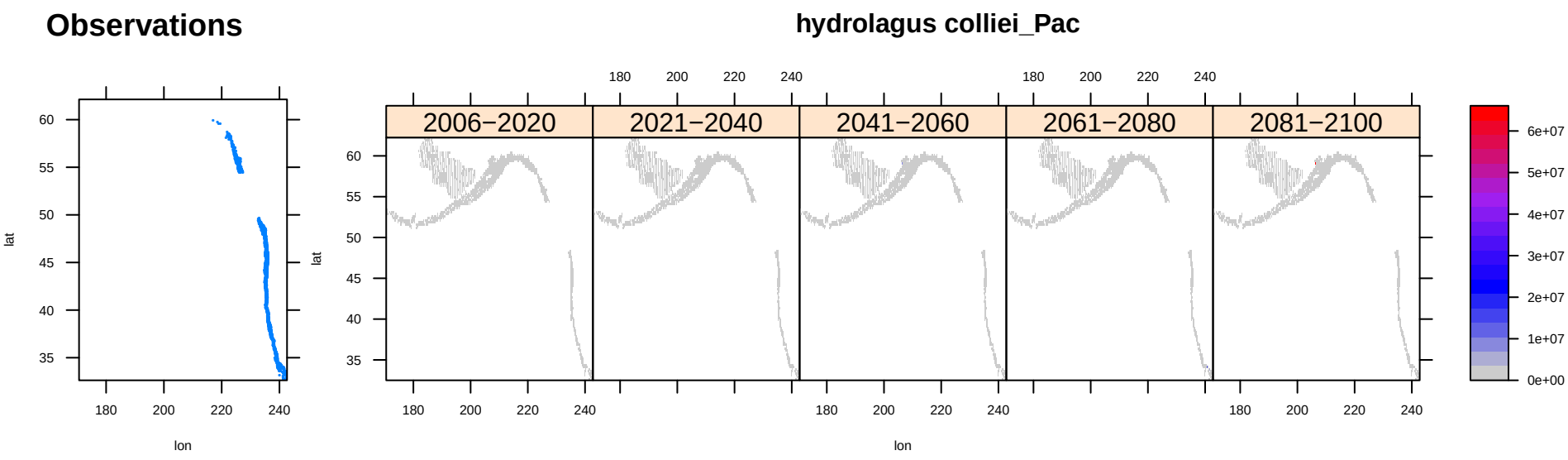
Observations
hydrolagus colliei_Pac
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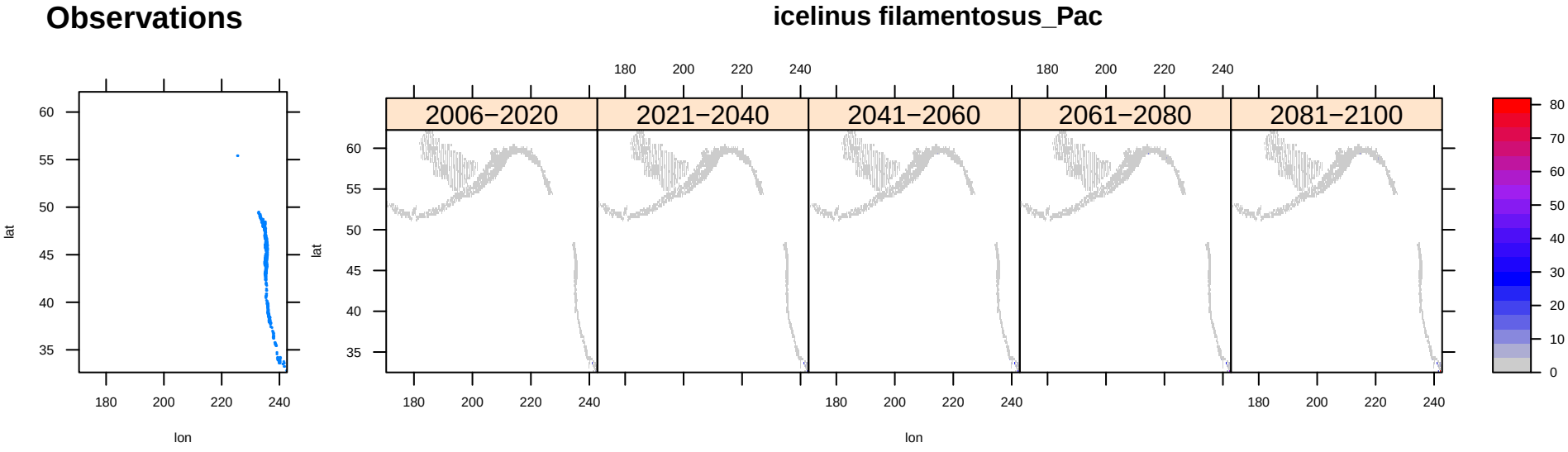
Observations
icelinus filamentosus_Pac
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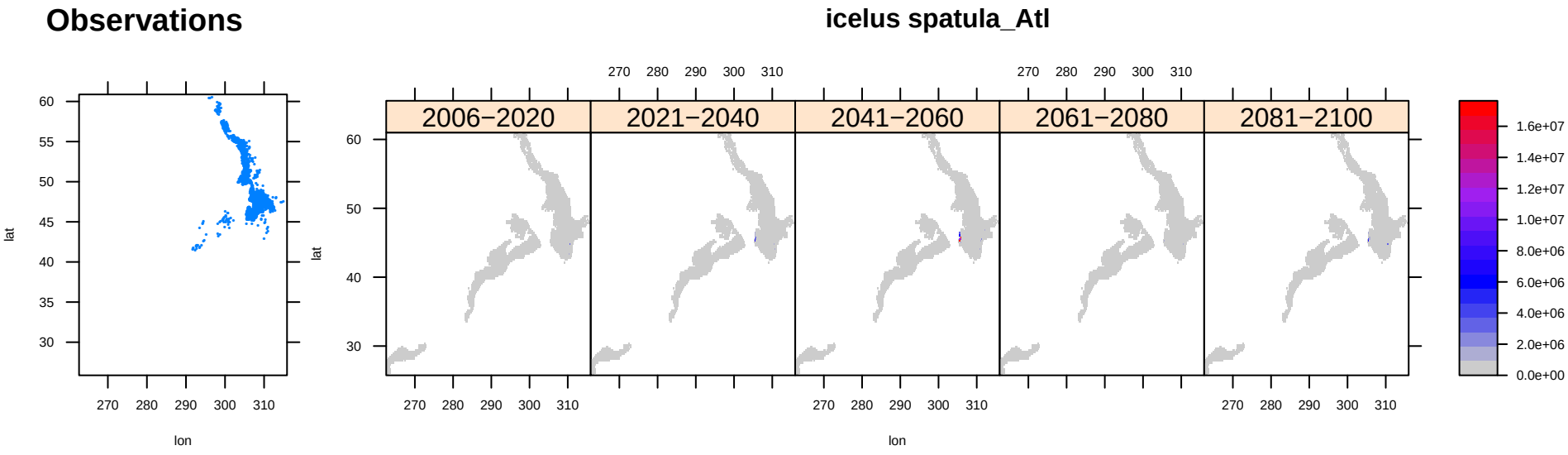
Observations
icelus spatula_Atl
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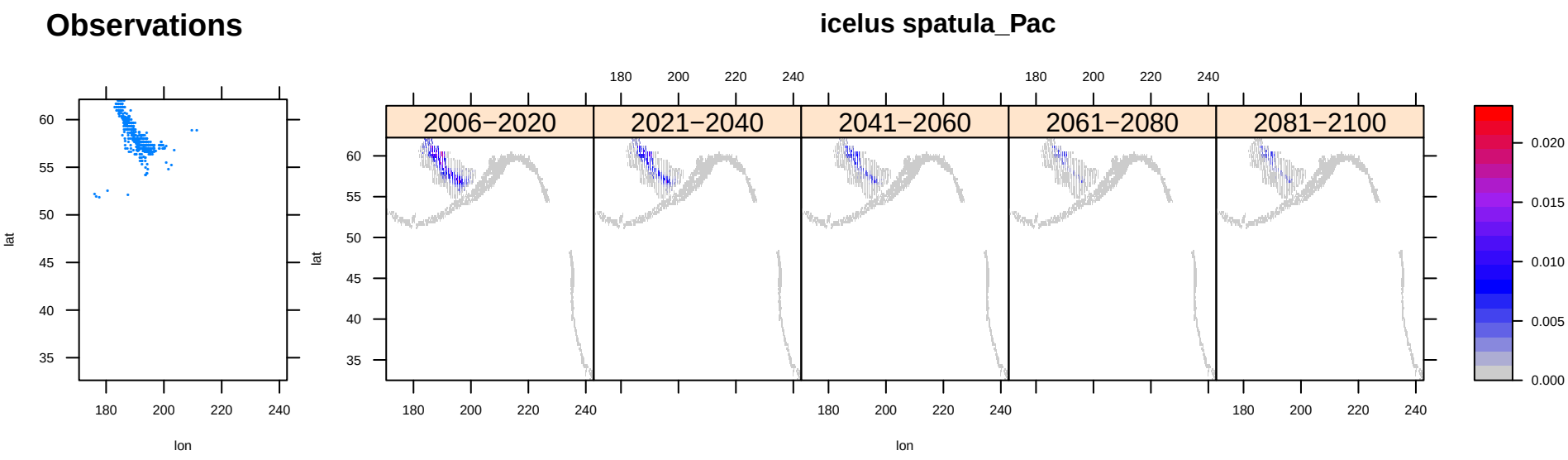
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icelus spatula_Pac
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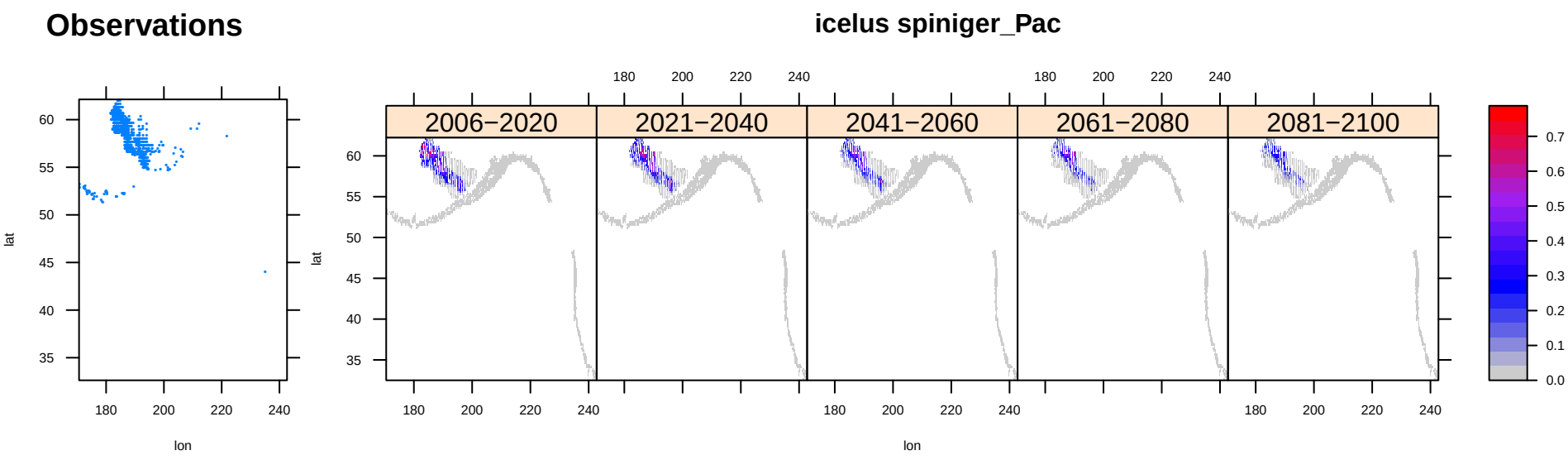
Observations
icelus spiniger_Pac
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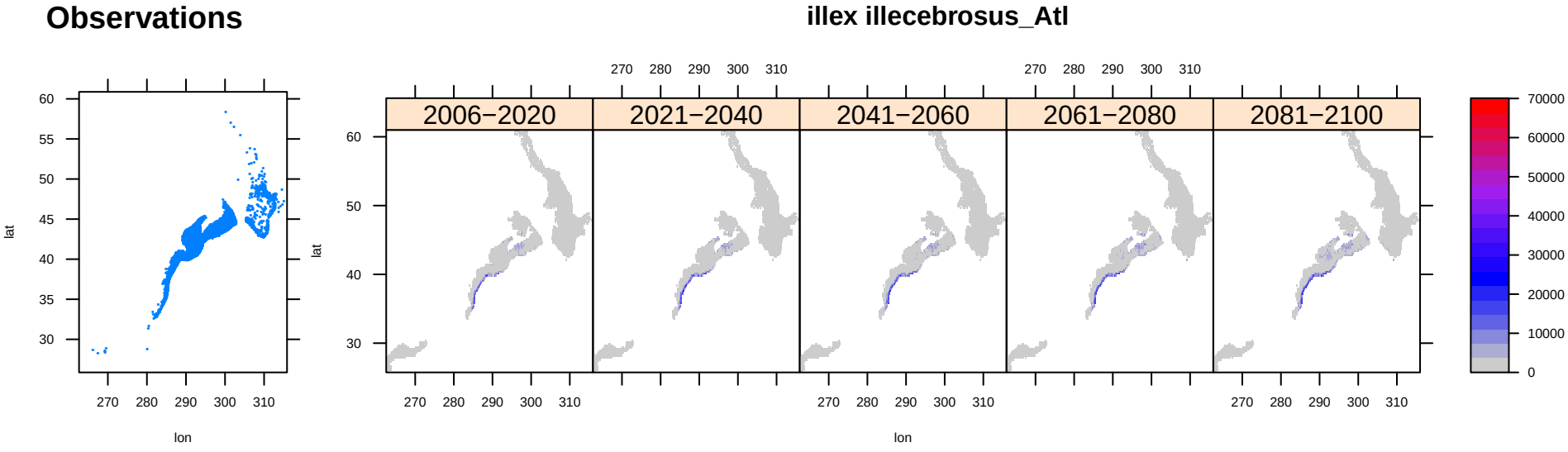
Observations
illex illecebrosus_Atl
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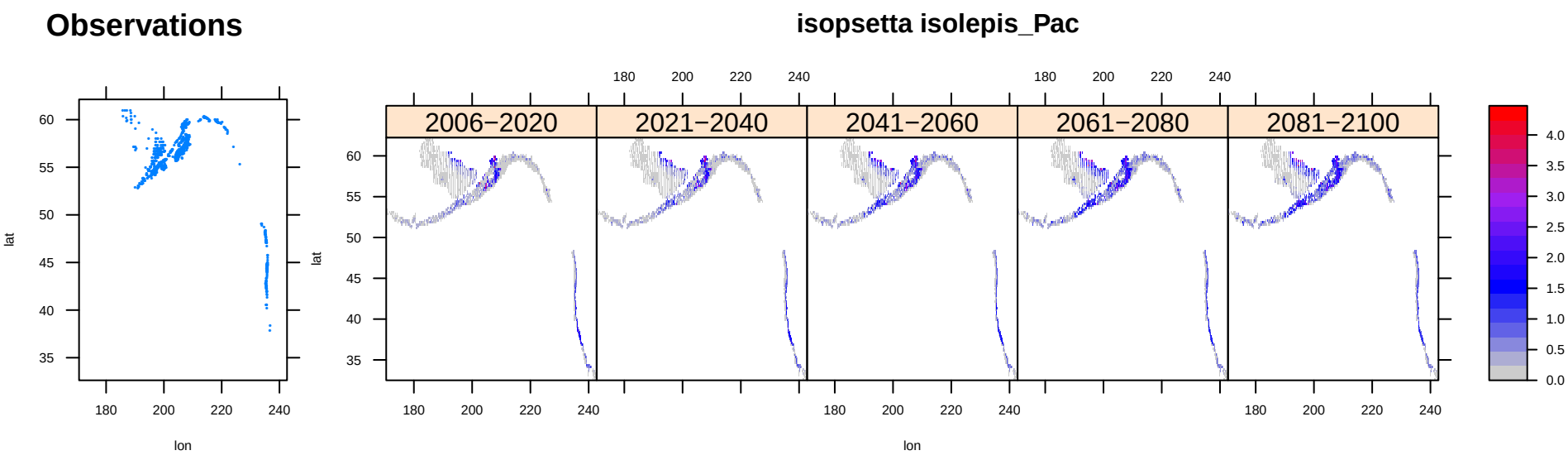
Observations
isopsetta isolepis_Pac
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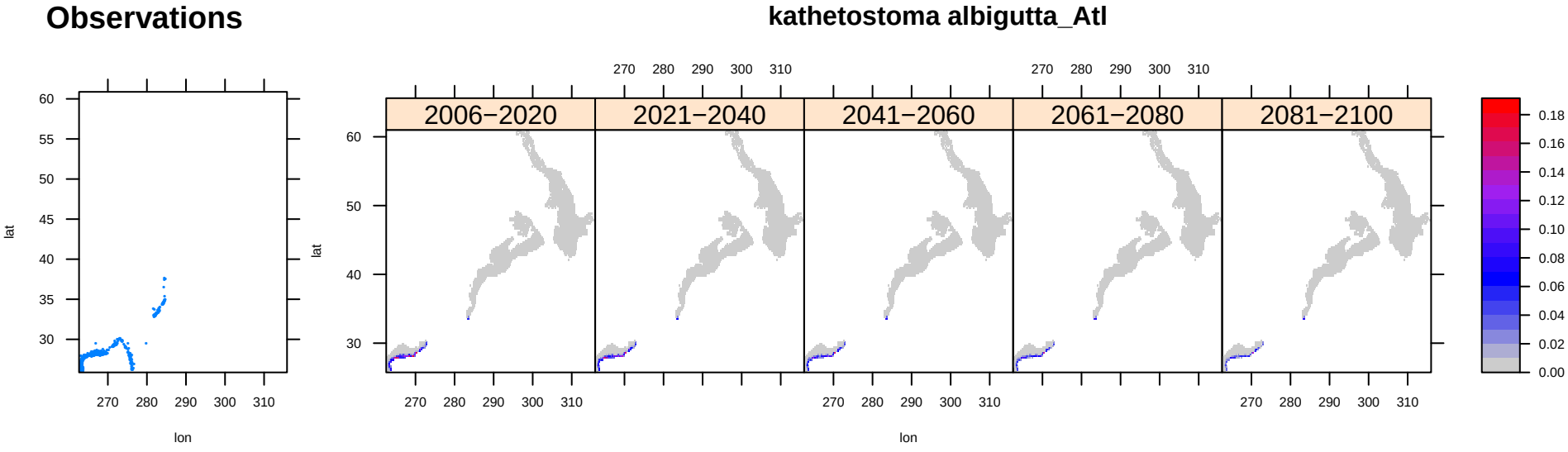
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kathetostoma albigutta_Atl
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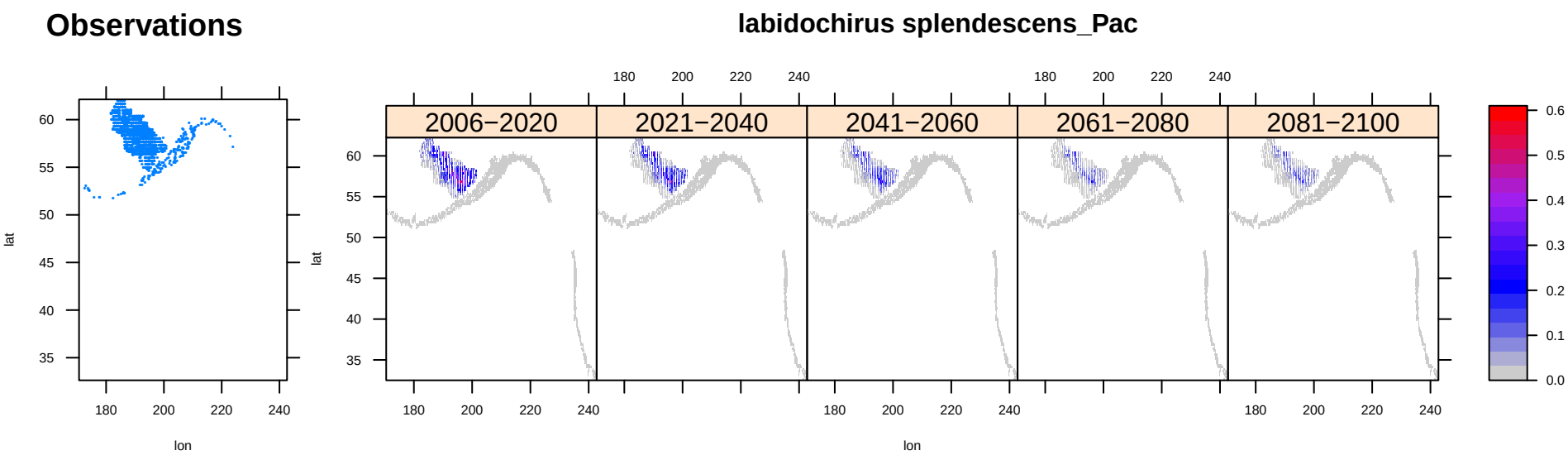
Observations
labidochirus splendescens_Pac
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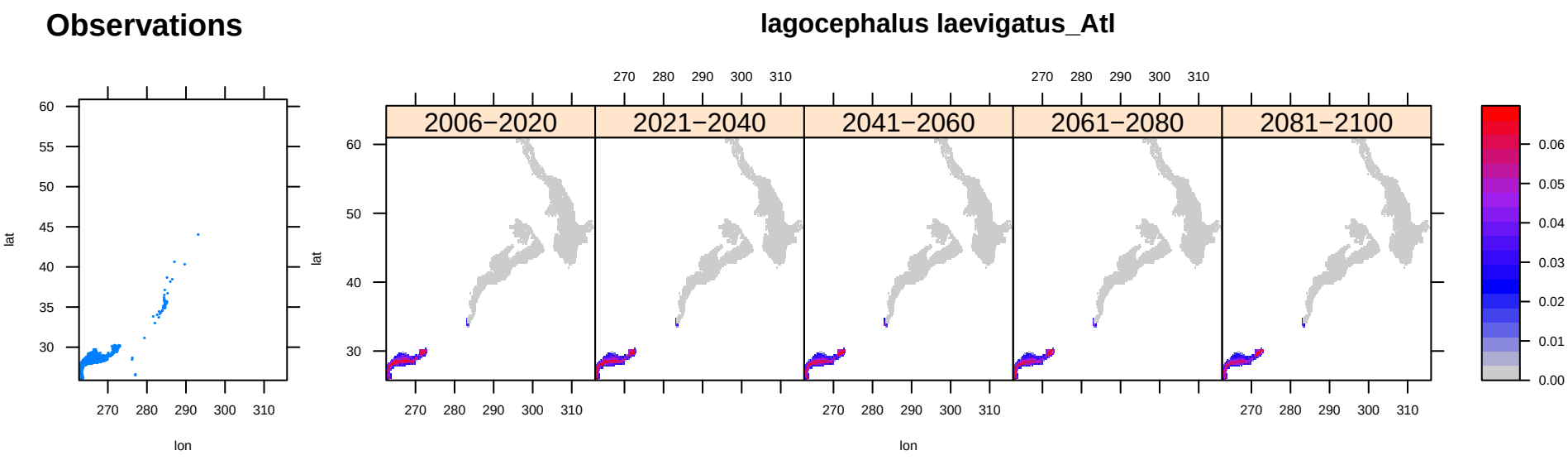
Observations
lagocephalus laevigatus_Atl
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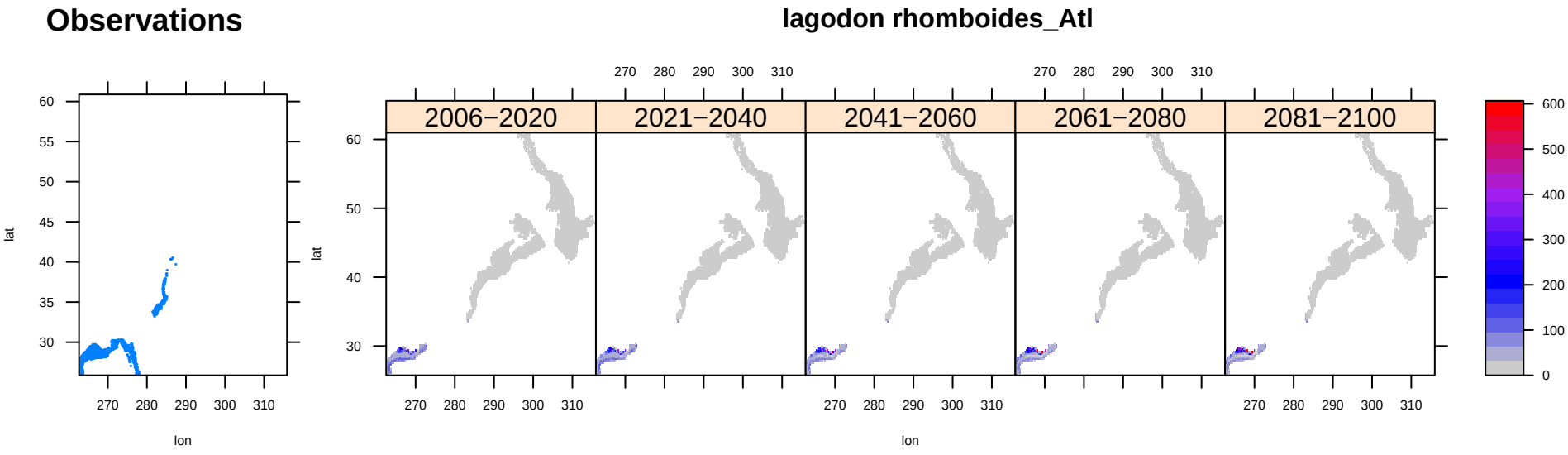
Observations
lagodon rhomboides_Atl
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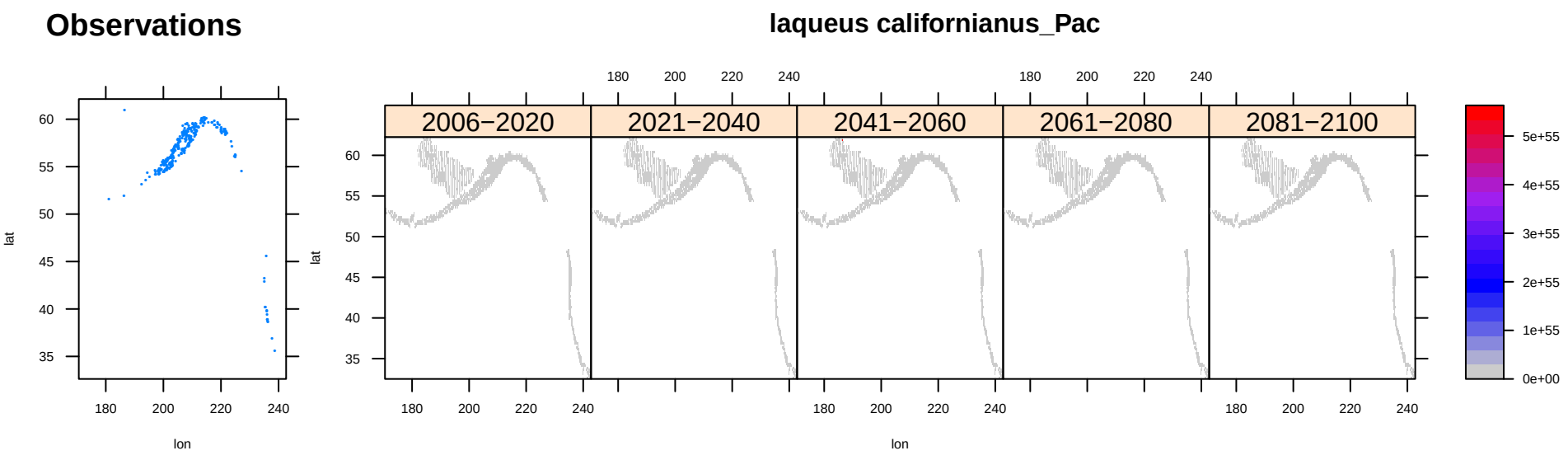
Observations
laqueus californianus_Pac
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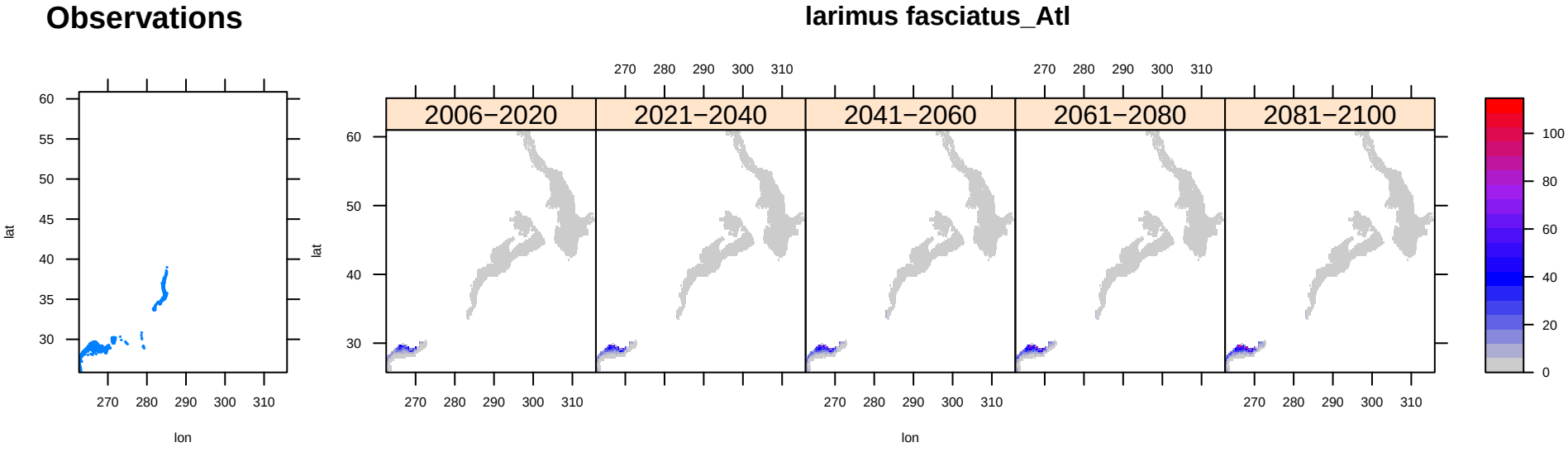
Observations
larimus fasciatus_Atl
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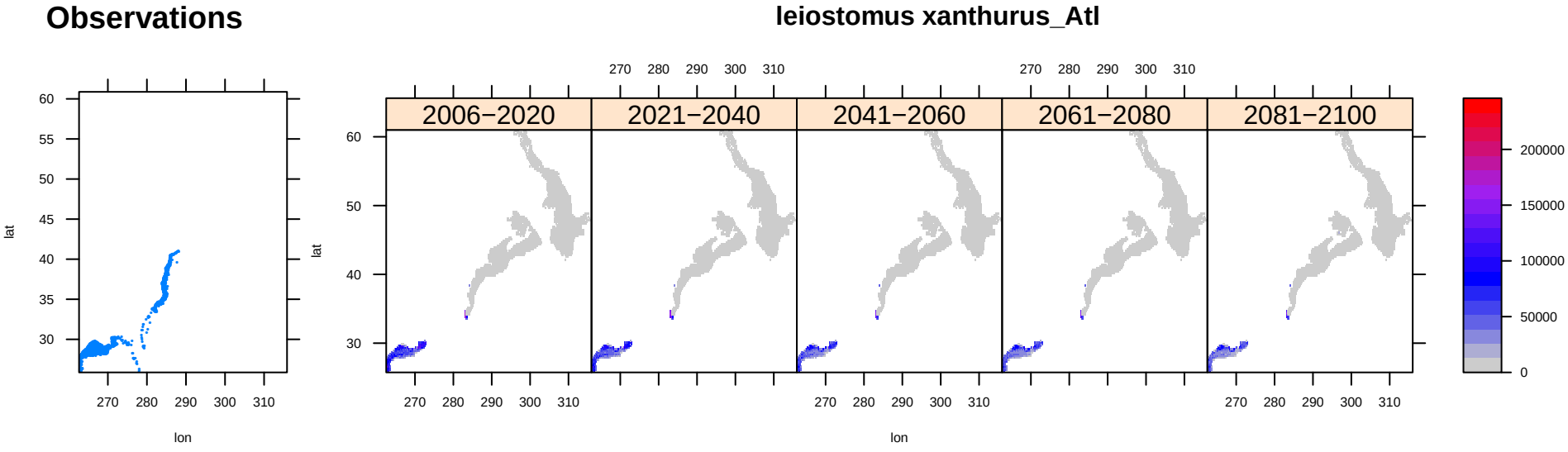
Observations
leiostomus xanthurus_Atl
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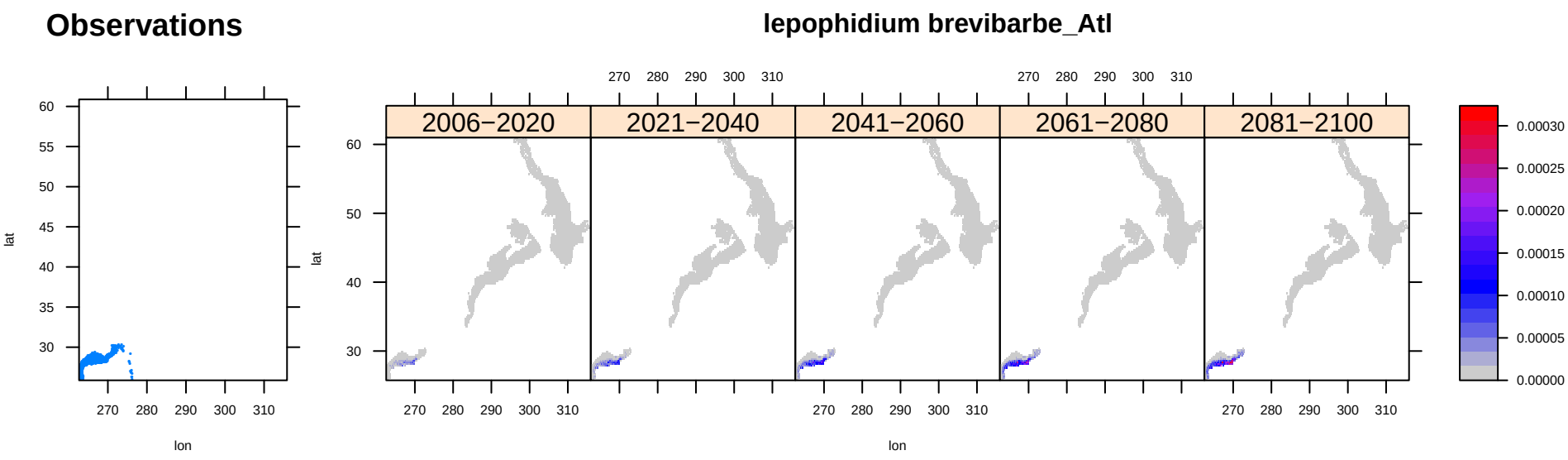
Observations
lepophidium brevibarbe_Atl
2006−2020
2021−2040
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lat
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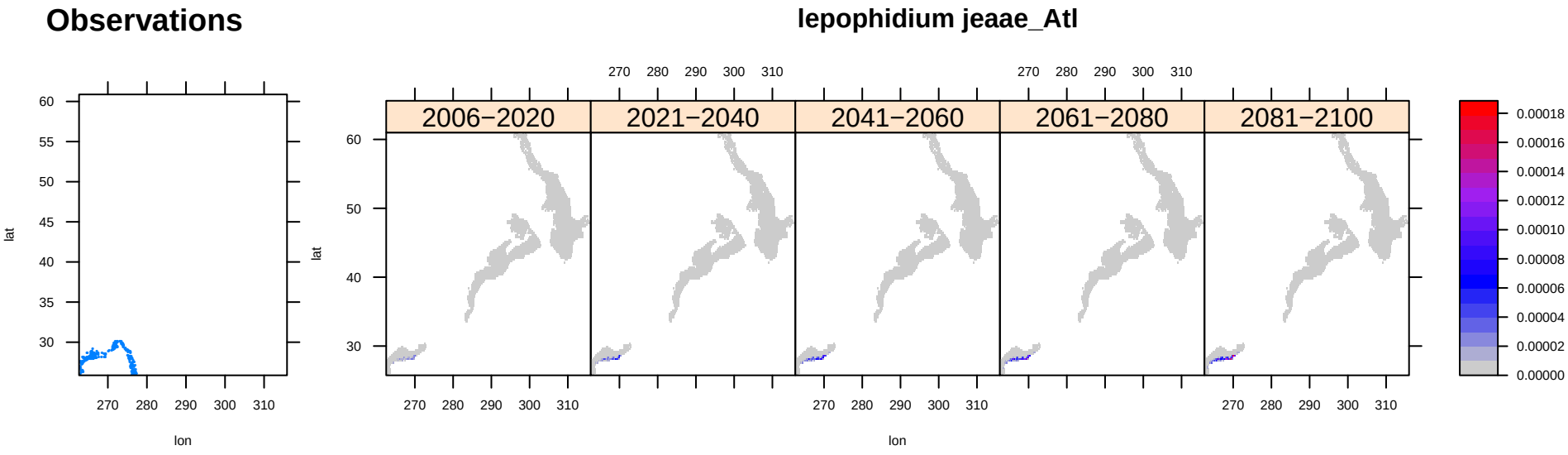
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lepophidium jeaae_Atl
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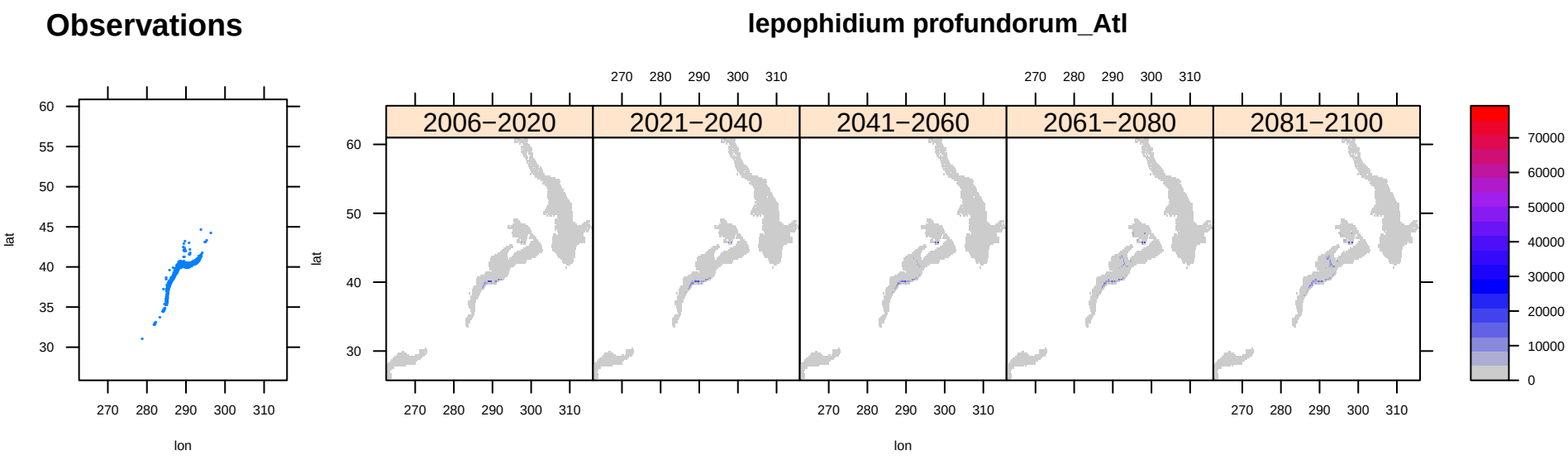
Observations
lat
lon
60
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lepophidium profundorum_Atl
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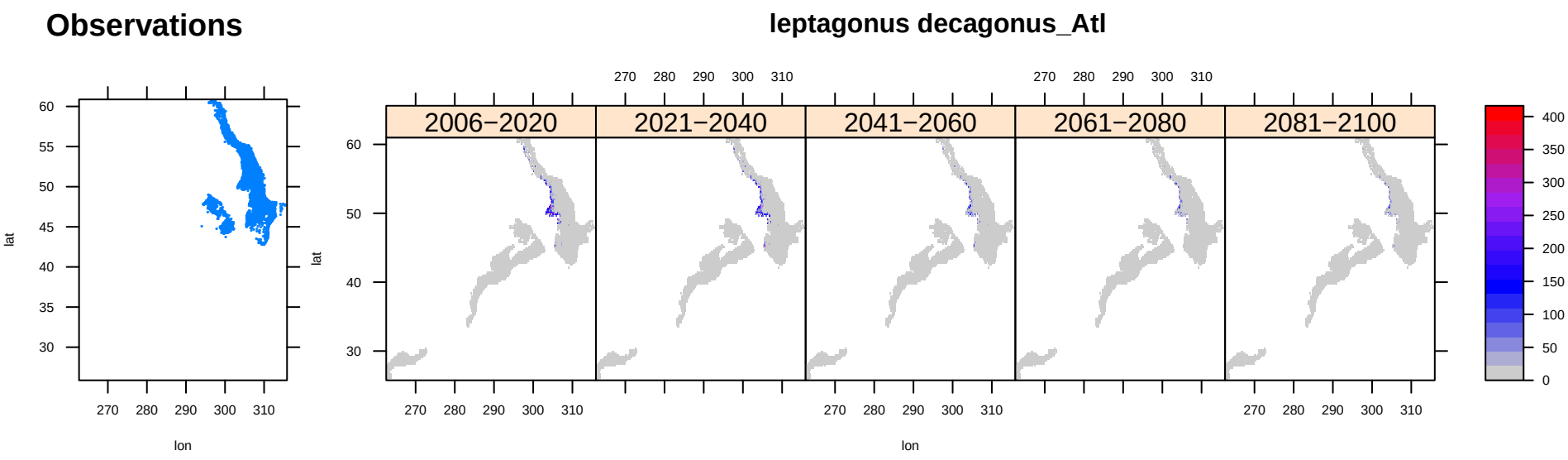
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leptagonus decagonus_Atl
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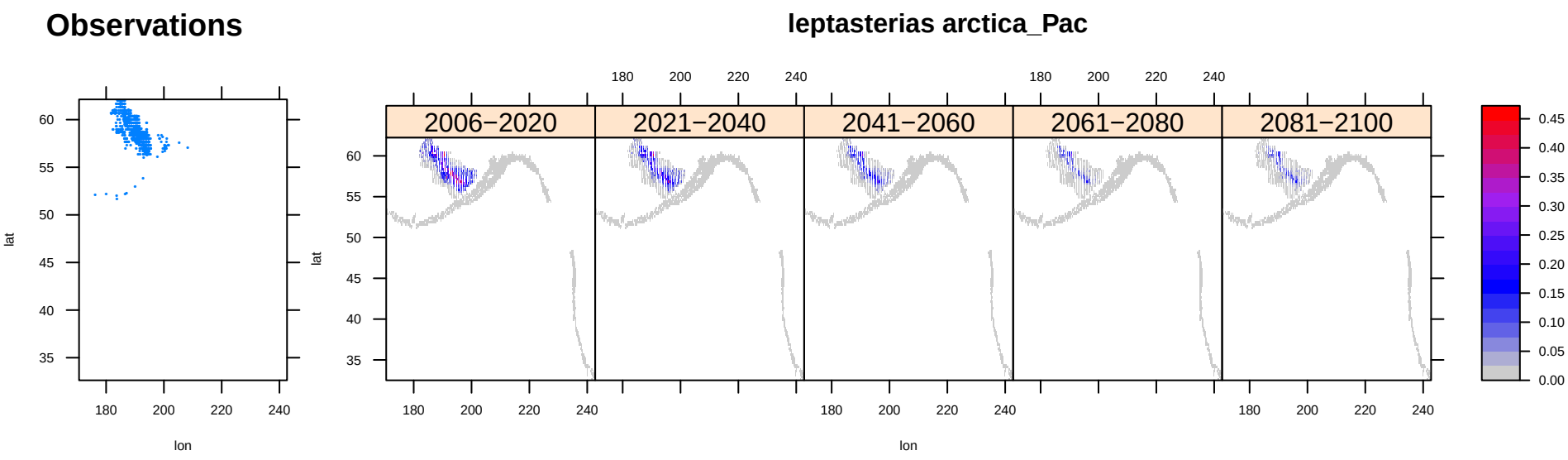
Observations
leptasterias arctica_Pac
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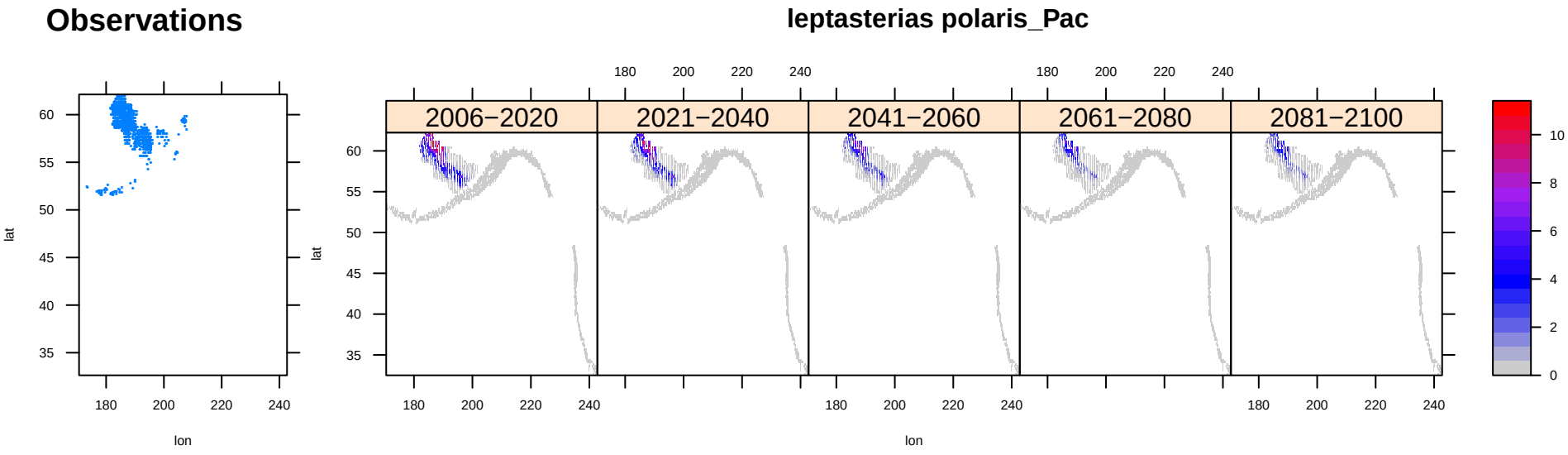
Observations
leptasterias polaris_Pac
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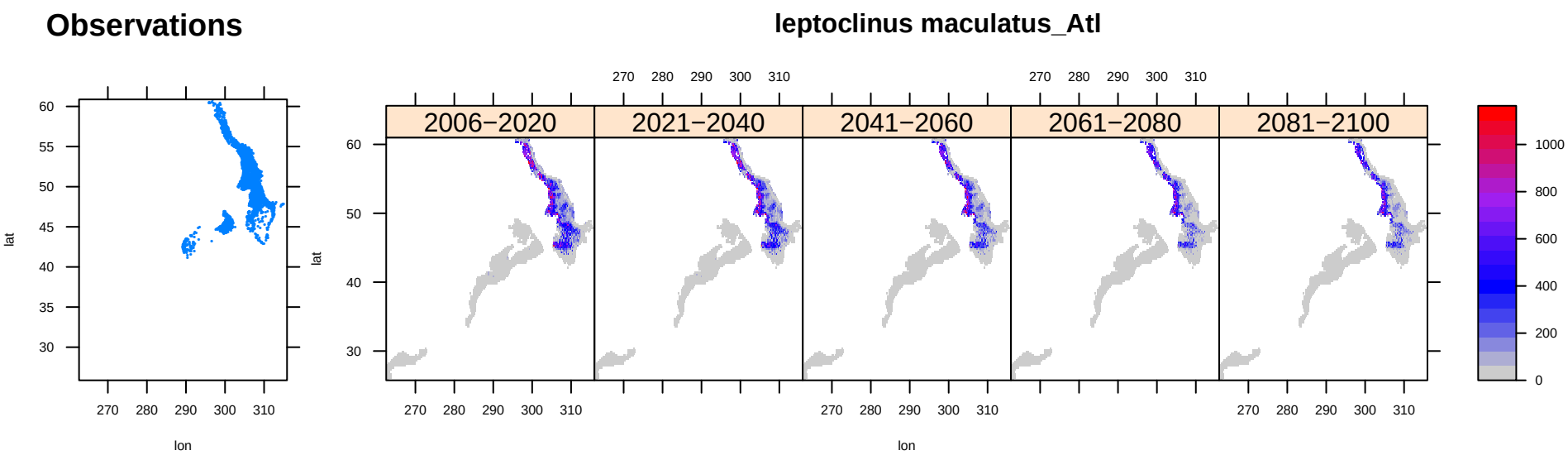
Observations
leptoclinus maculatus_Atl
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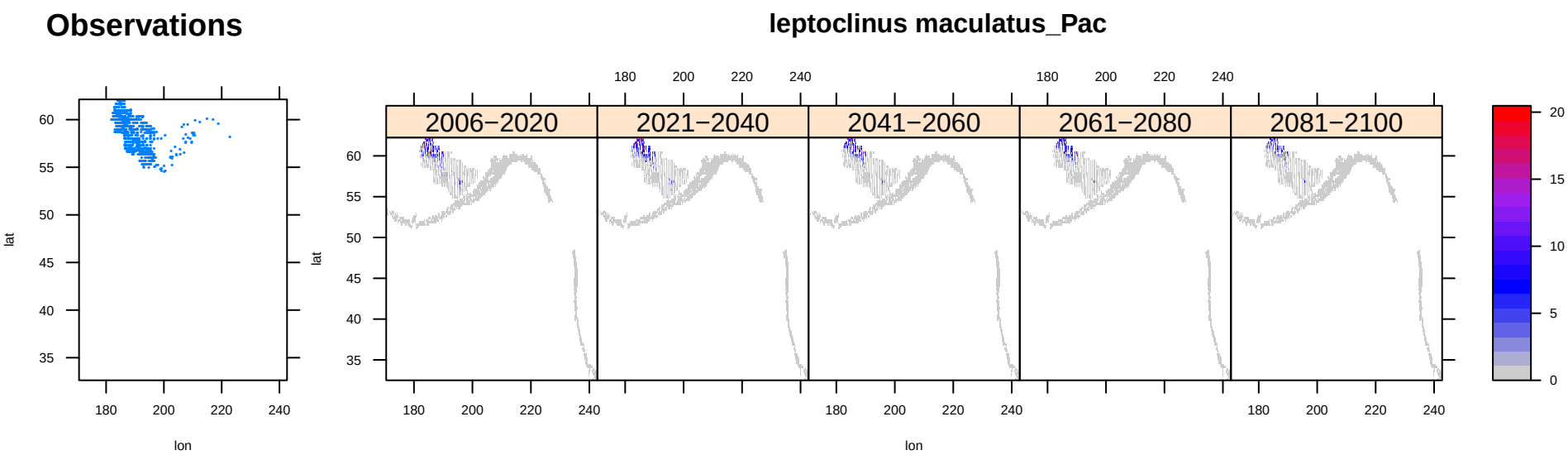
Observations
leptoclinus maculatus_Pac
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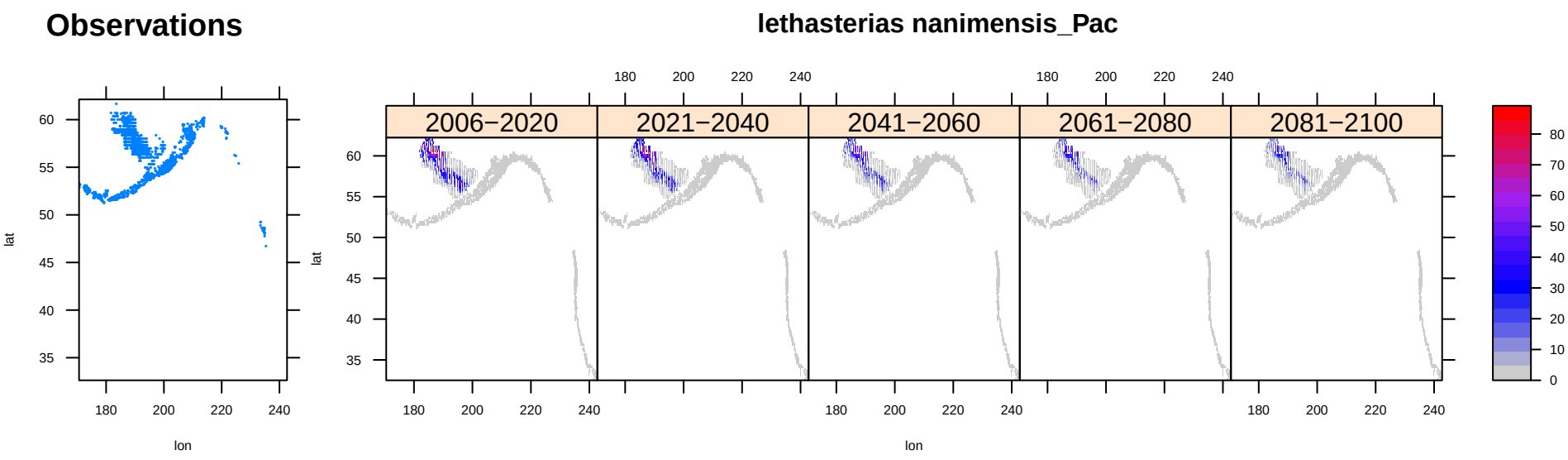
Observations
lethasterias nanimensis_Pac
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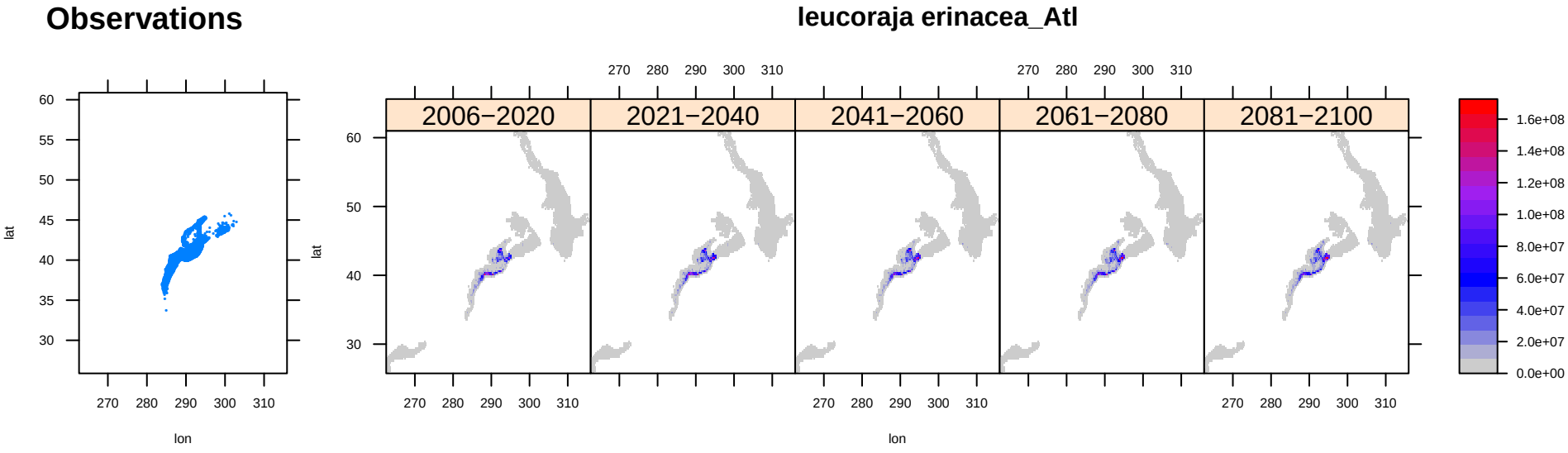
Observations
leucoraja erinacea_Atl
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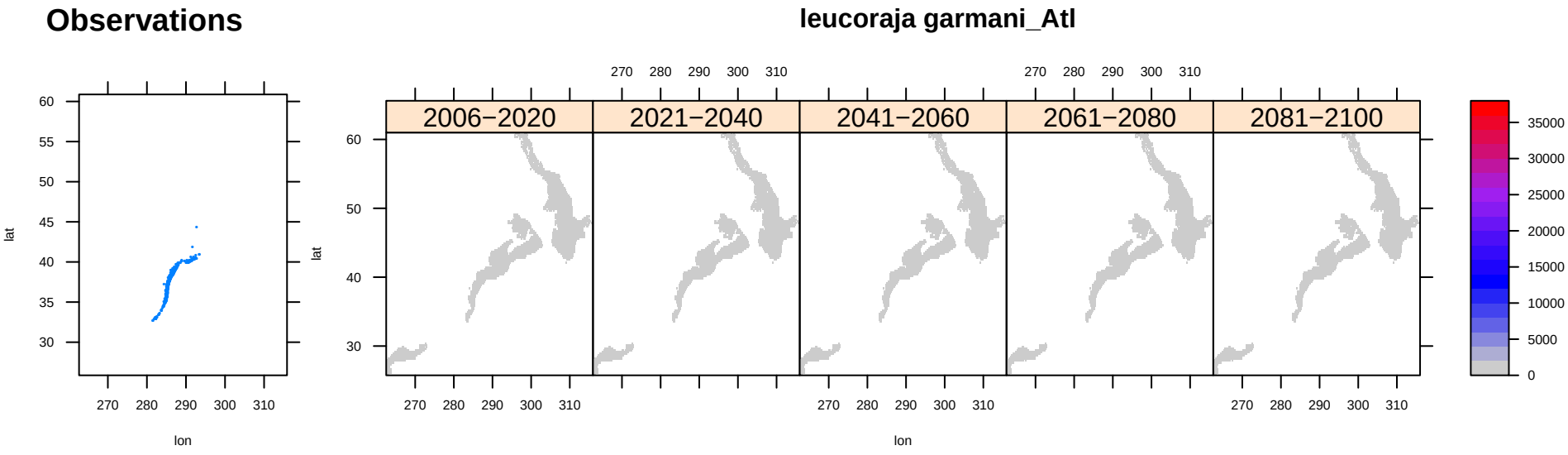
Observations
leucoraja garmani_Atl
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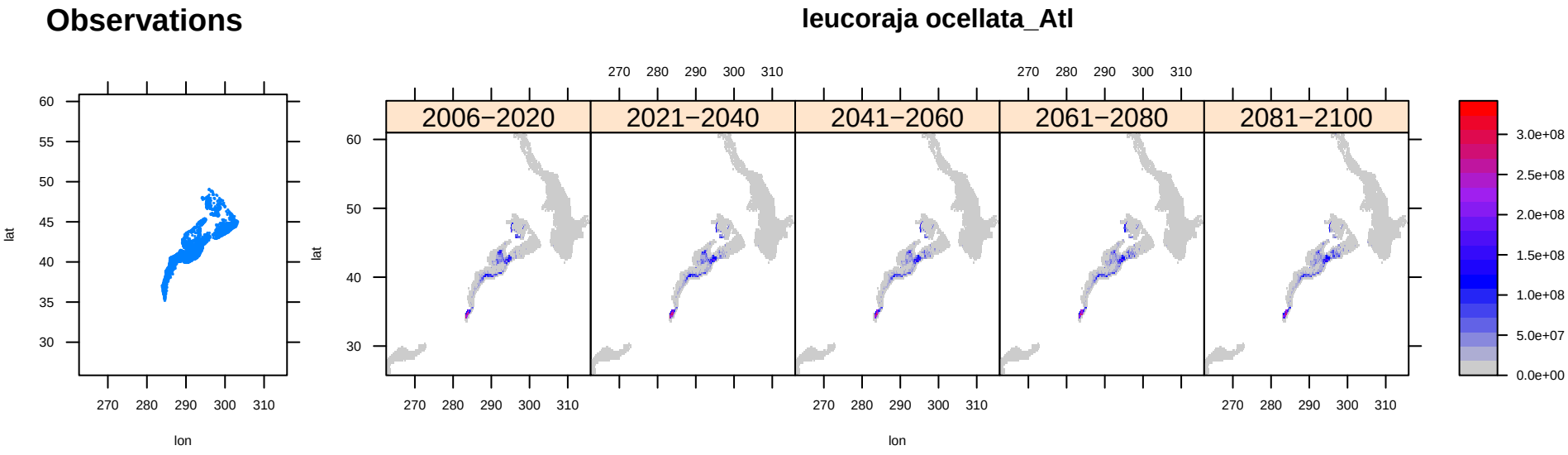
Observations
leucoraja ocellata_Atl
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lon
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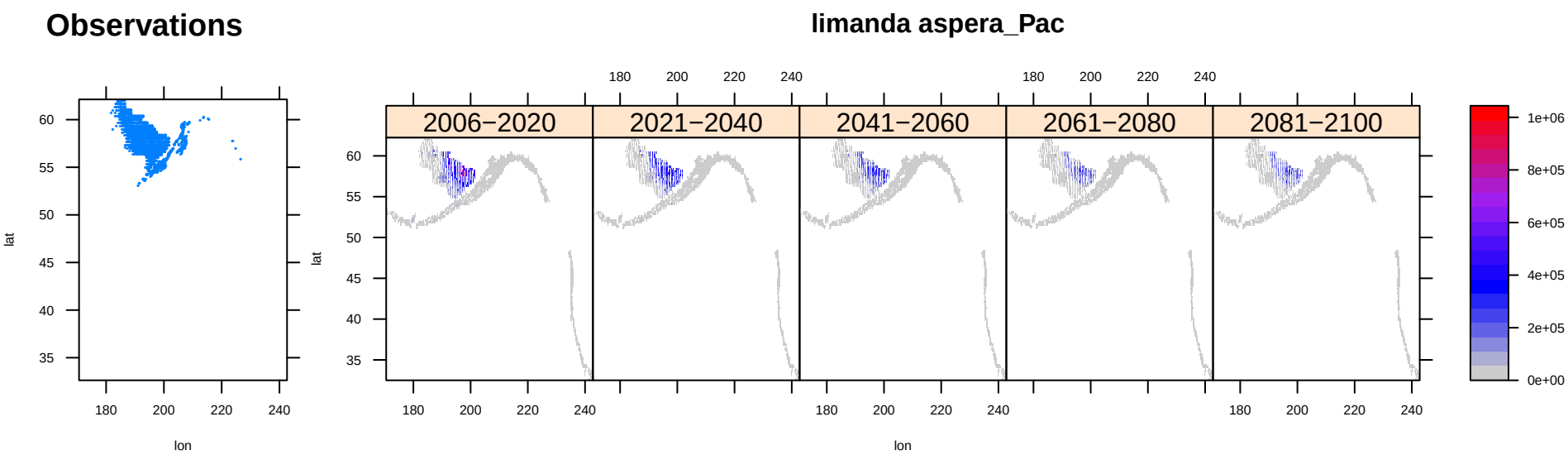
Observations
limanda aspera_Pac
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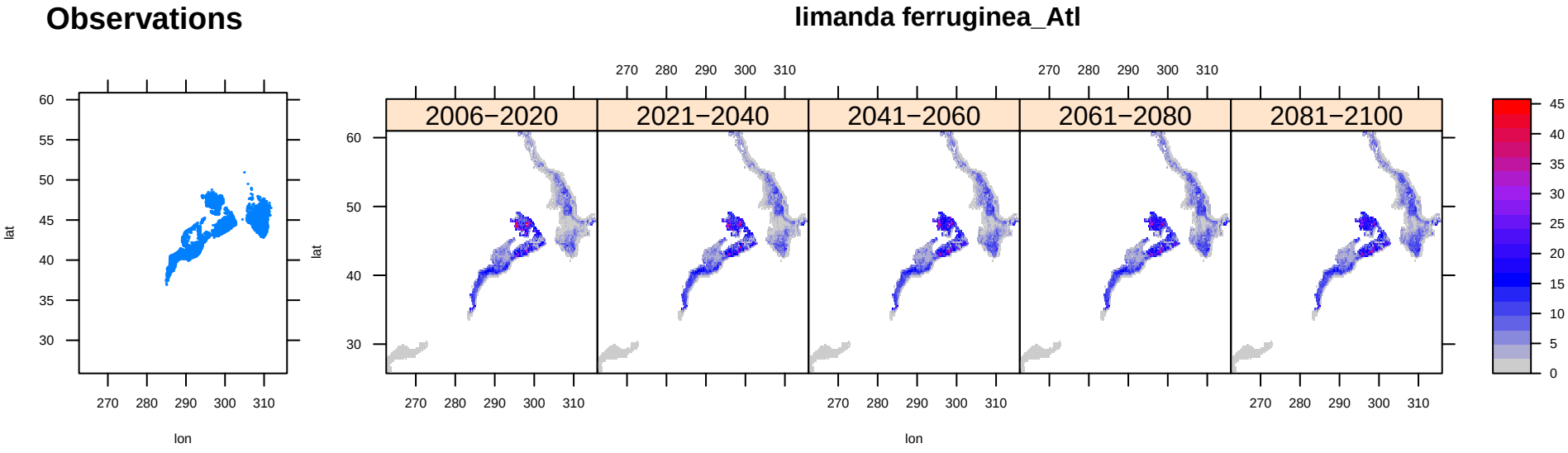
Observations
limanda ferruginea_Atl
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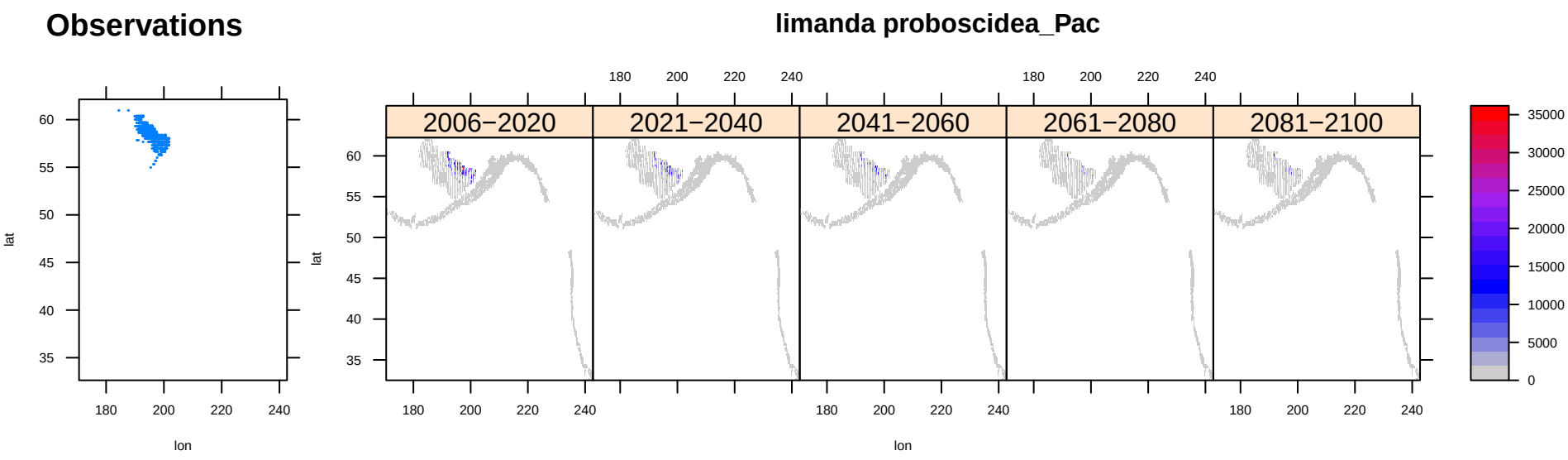
Observations
limanda proboscidea_Pac
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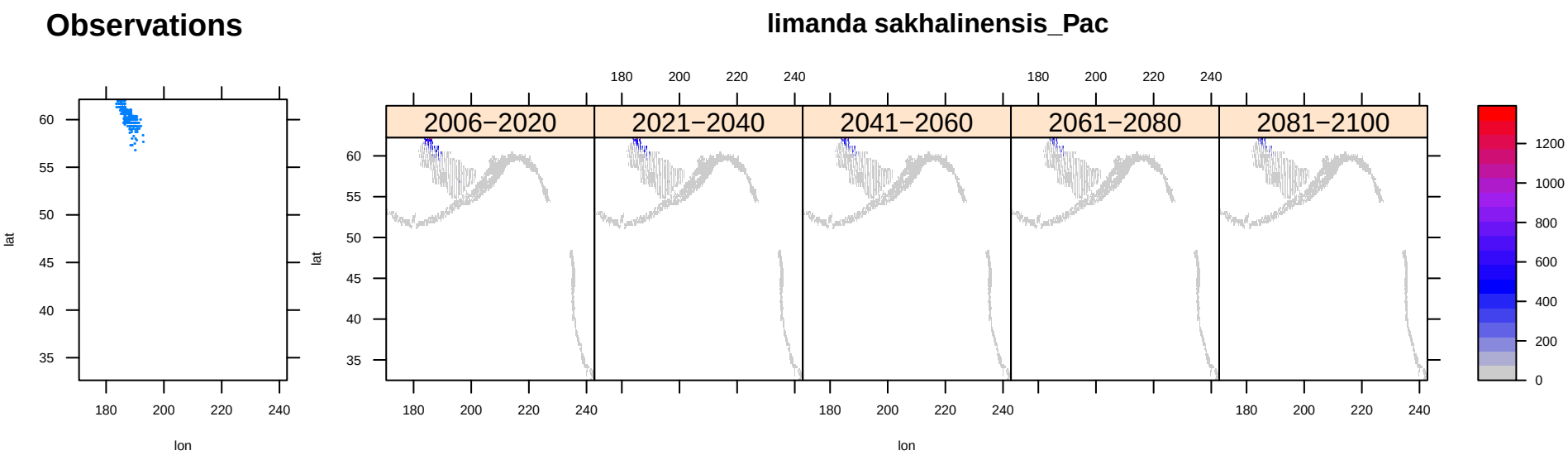
Observations
limanda sakhalinensis_Pac
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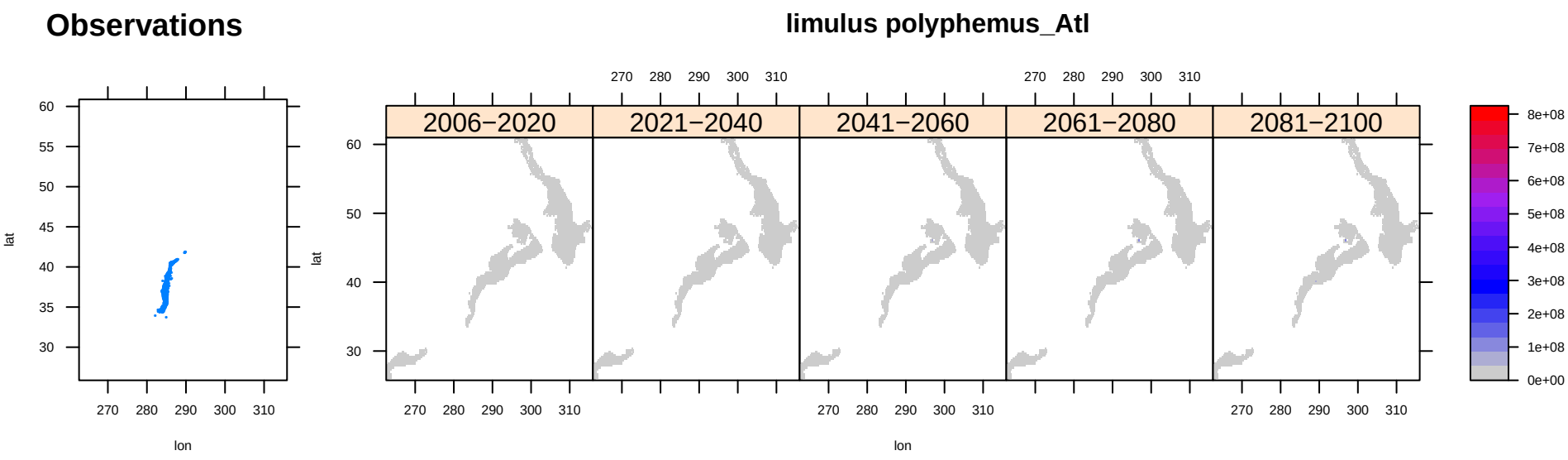
Observations
limulus polyphemus_Atl
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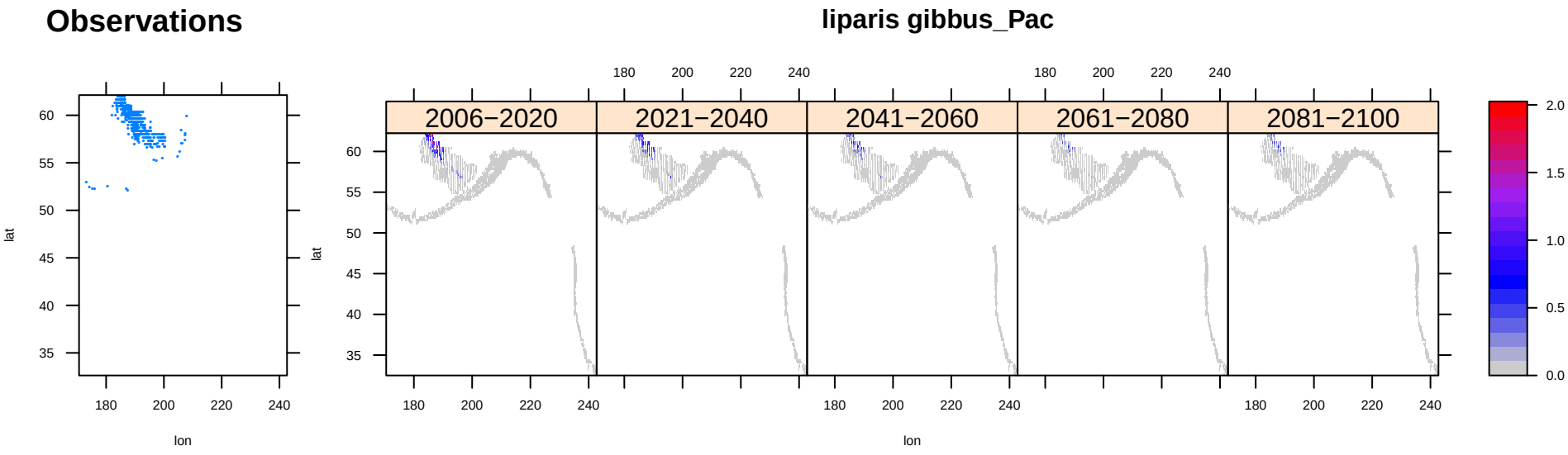
Observations
liparis gibbus_Pac
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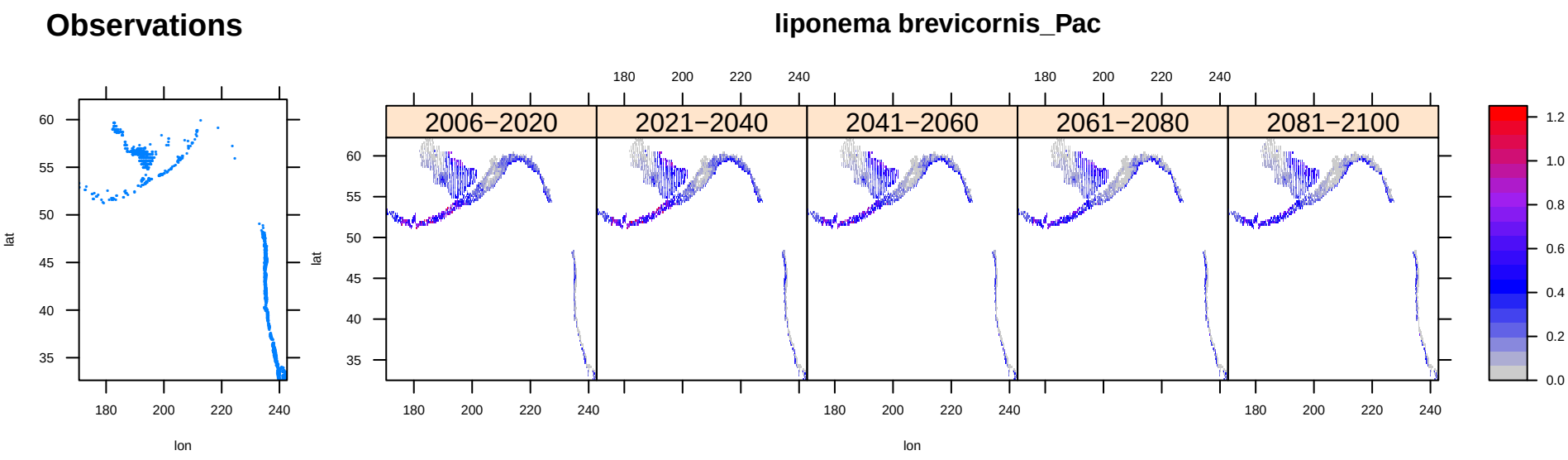
Observations
liponema brevicornis_Pac
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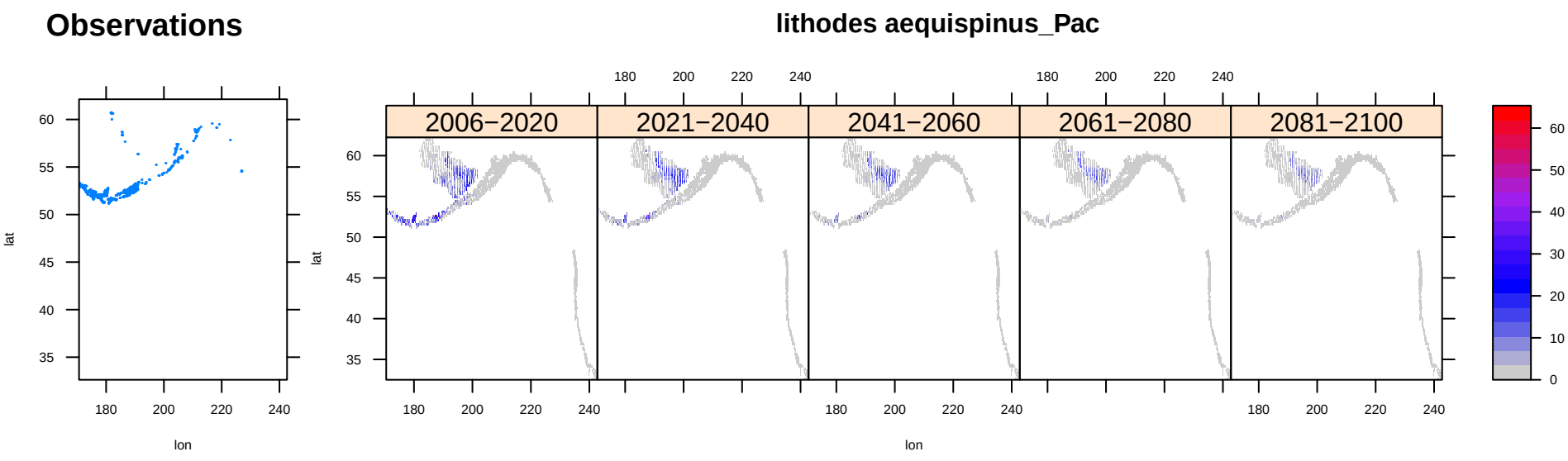
Observations
lithodes aequispinus_Pac
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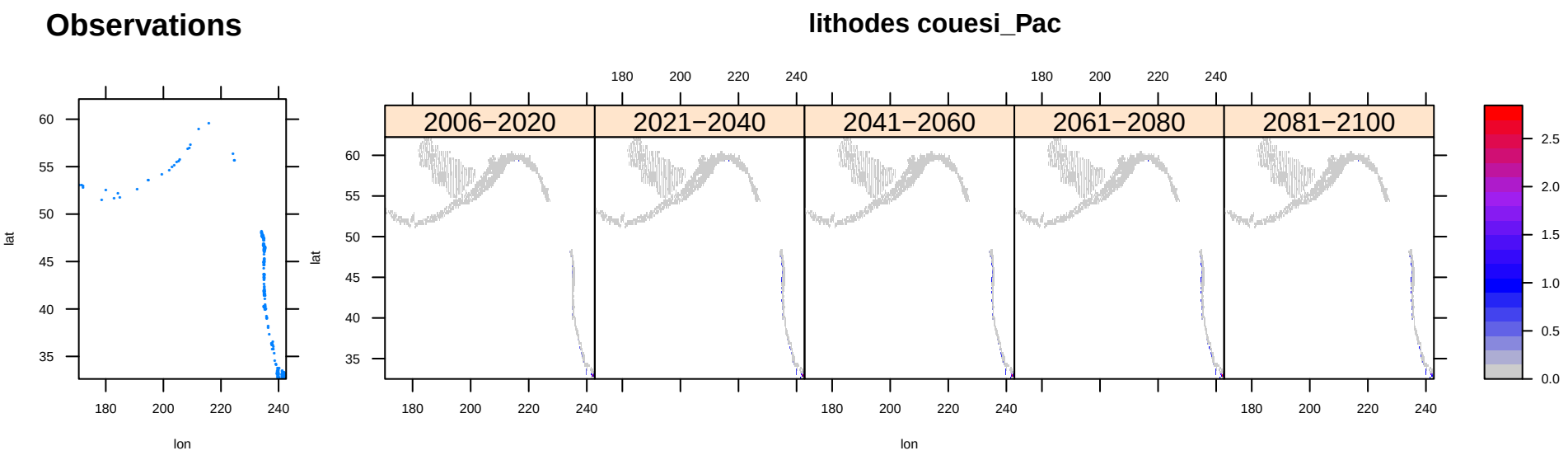
Observations
lithodes couesi_Pac
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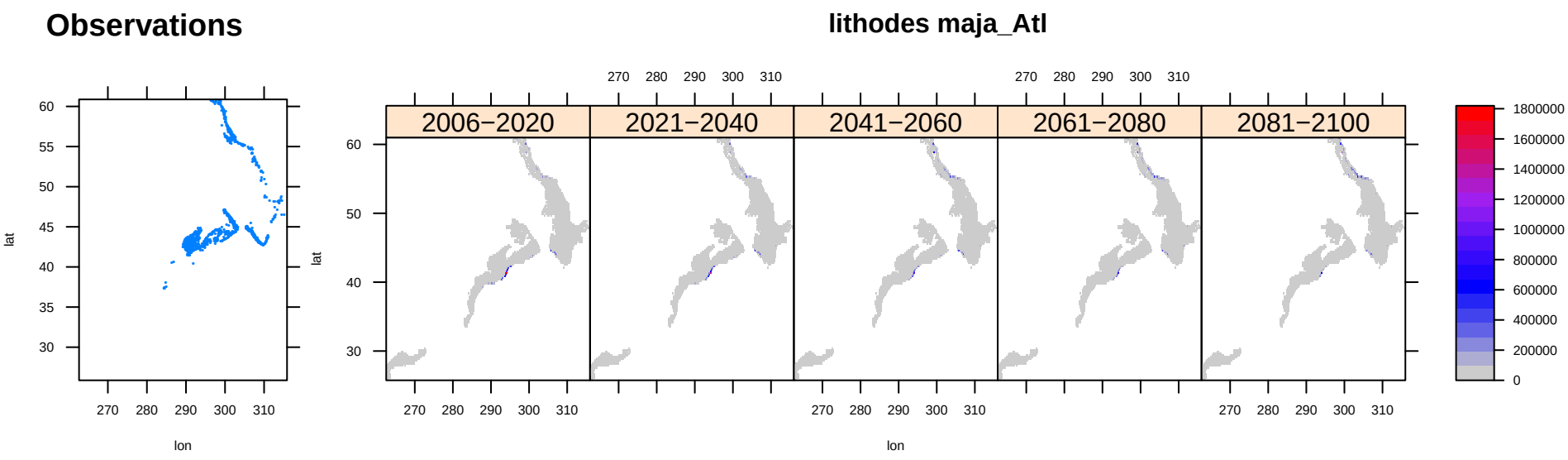
Observations
lithodes maja_Atl
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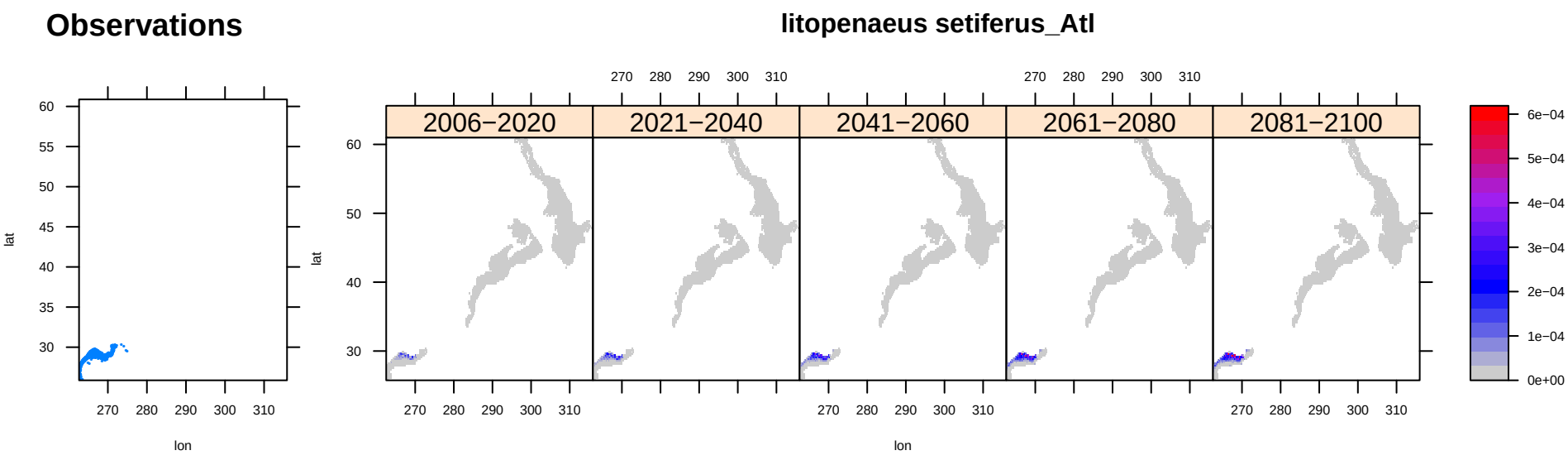
Observations
litopenaeus setiferus_Atl
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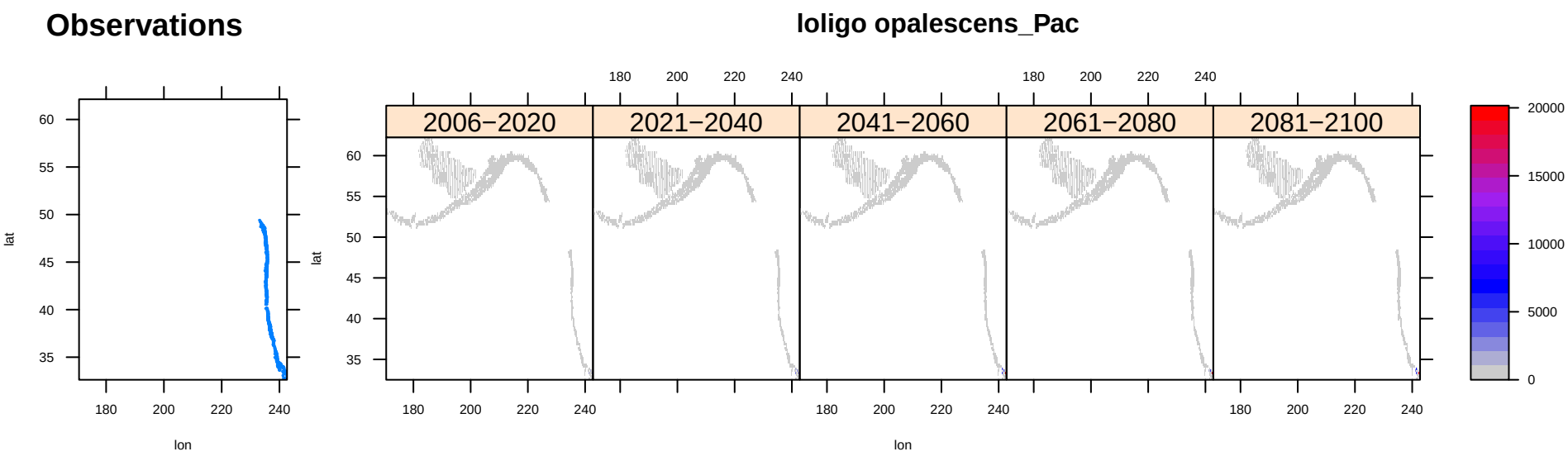
Observations
loligo opalescens_Pac
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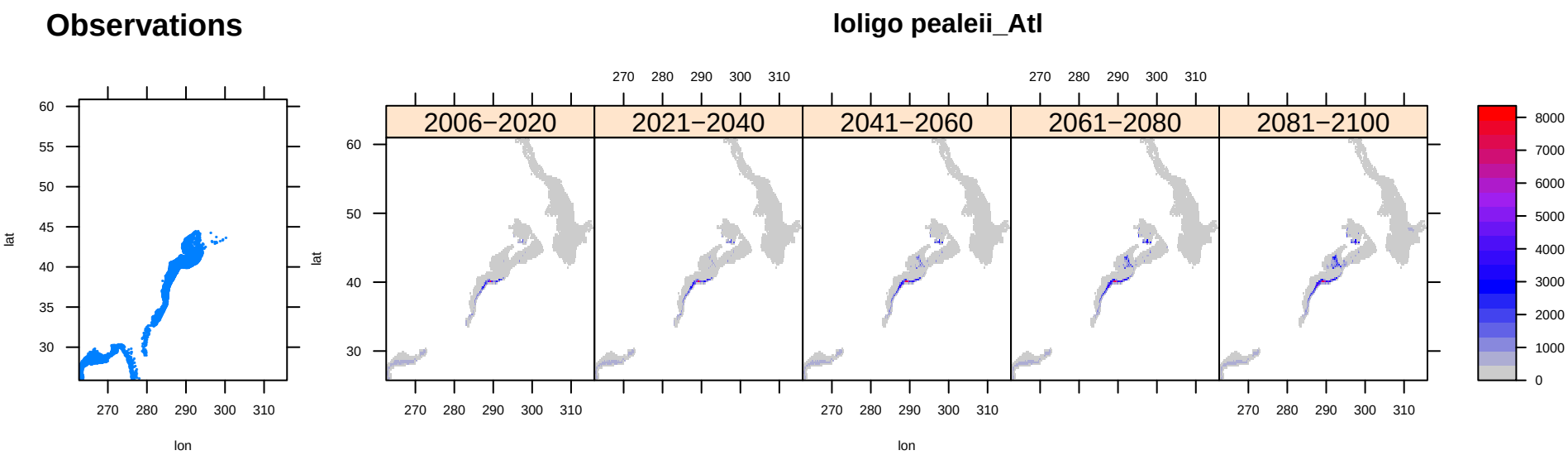
Observations
loligo pealeii_Atl
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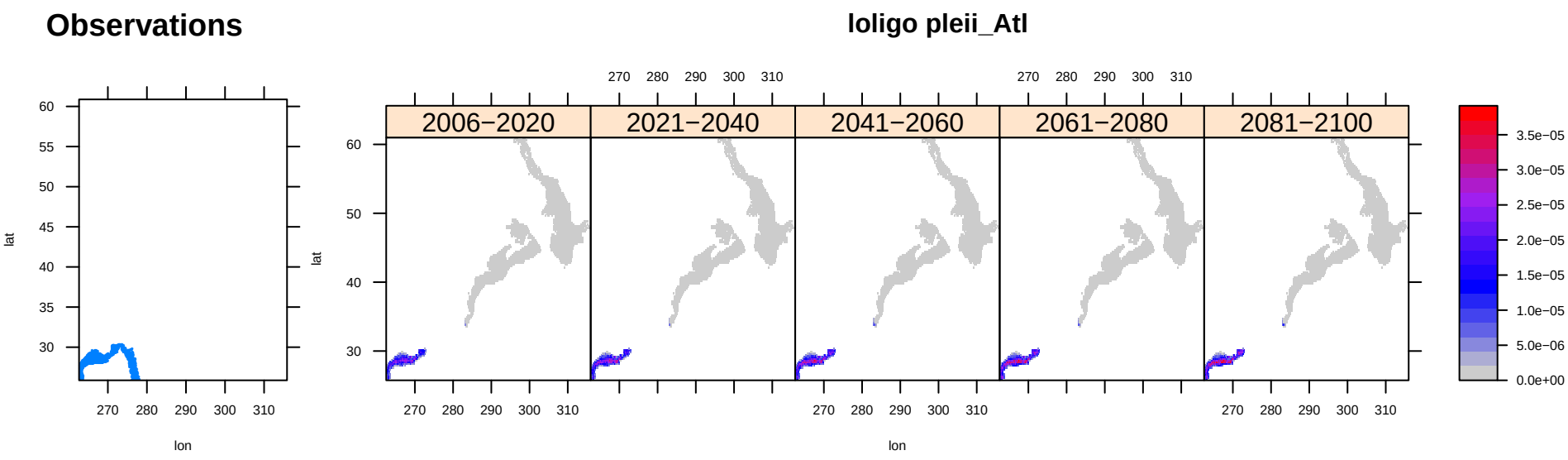
Observations
loligo pleii_Atl
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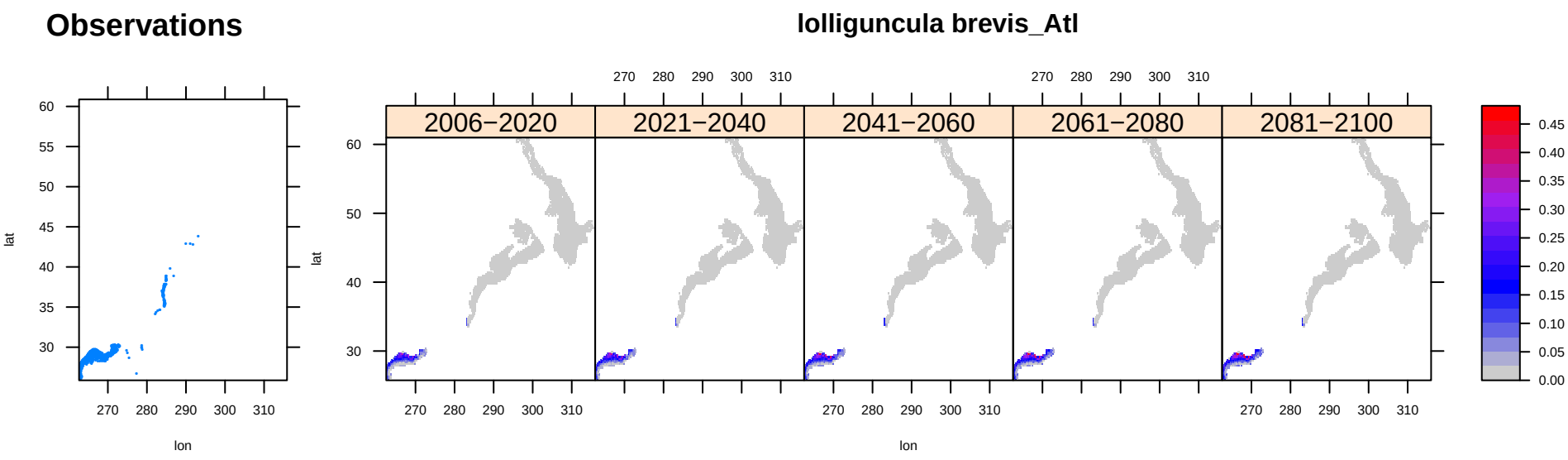
Observations
lat
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310
lolliguncula brevis_Atl
2006−2020
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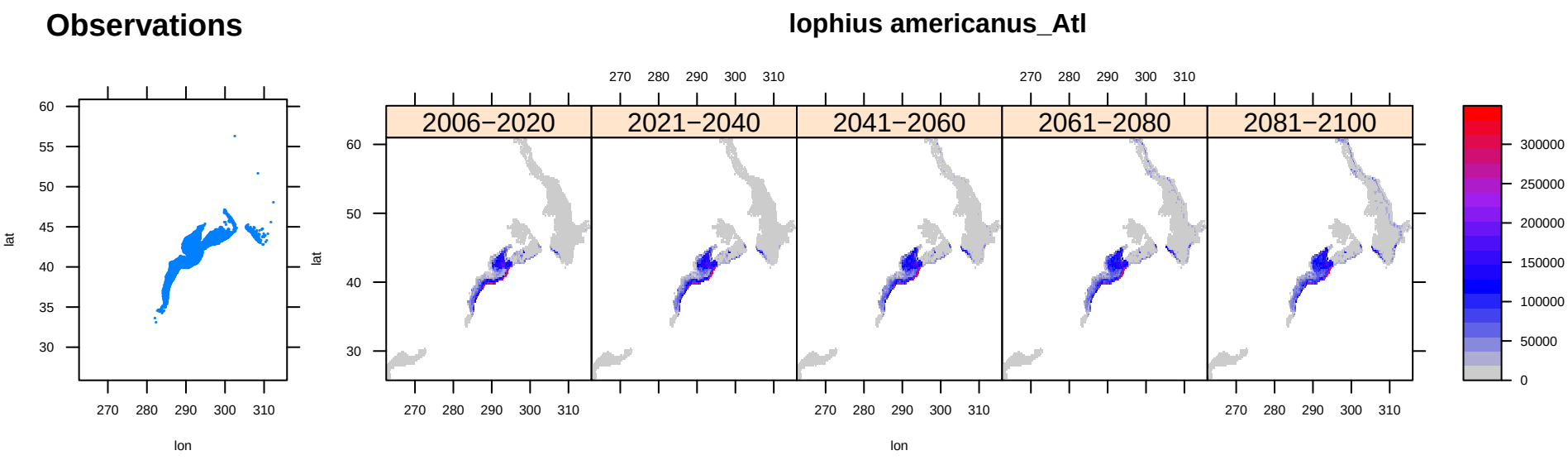
Observations
lophius americanus_Atl
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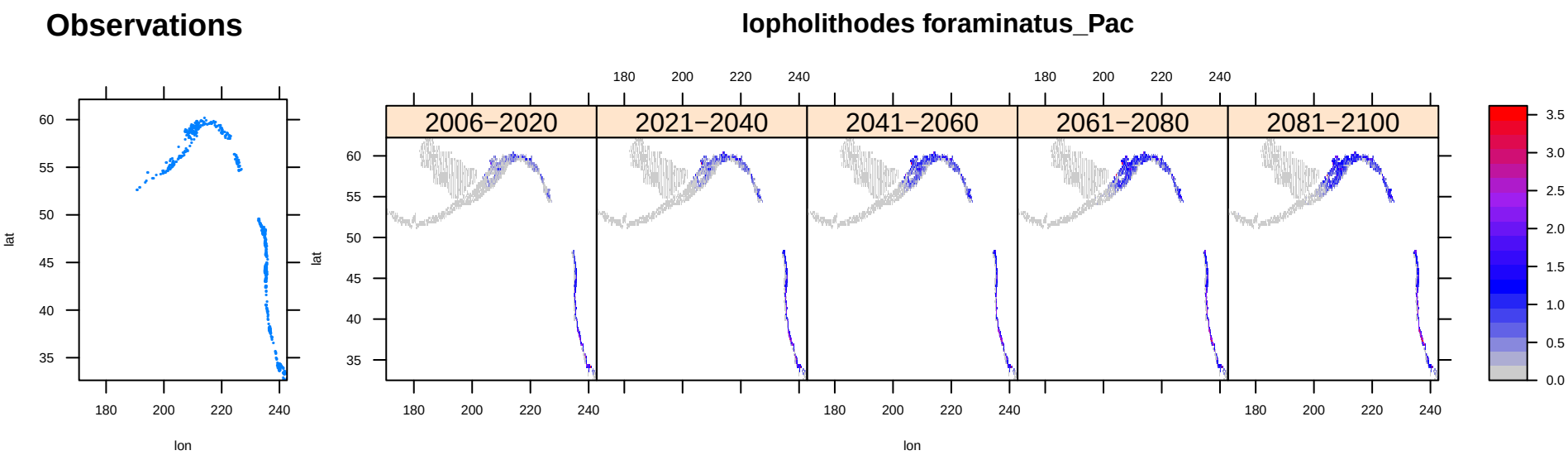
Observations
lopholithodes foraminatus_Pac
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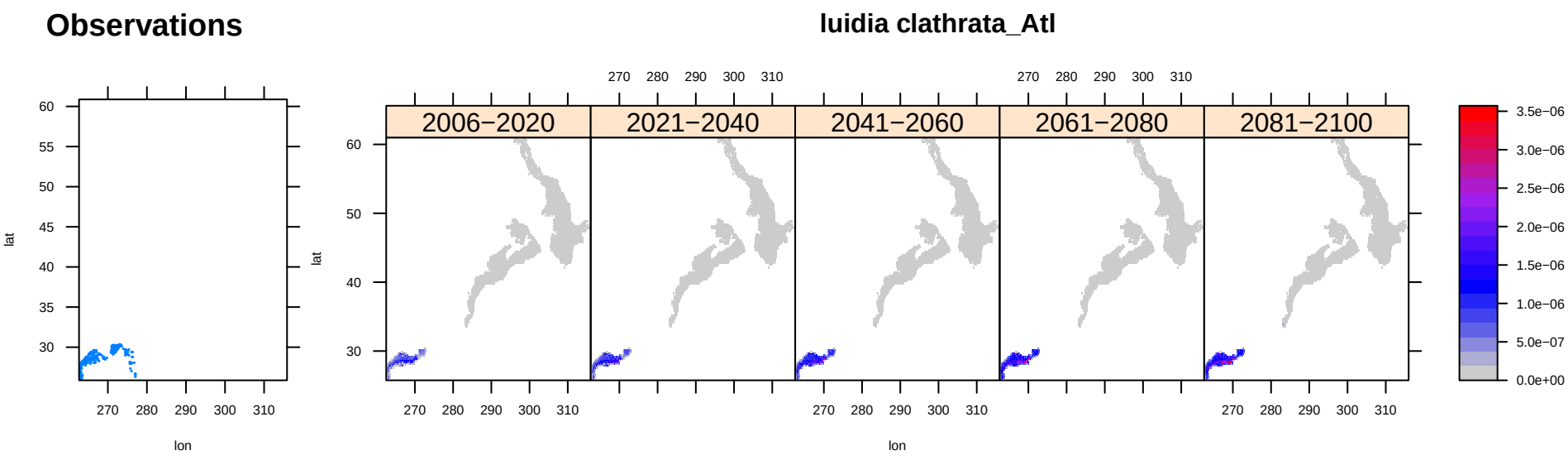
Observations
luidia clathrata_Atl
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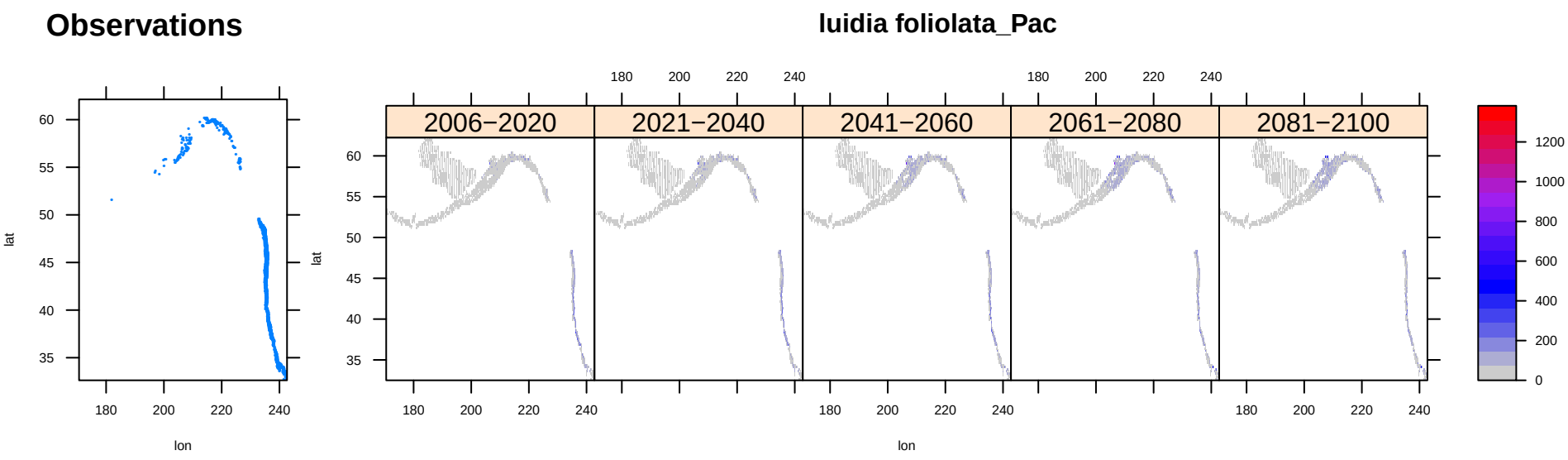
Observations
luidia foliolata_Pac
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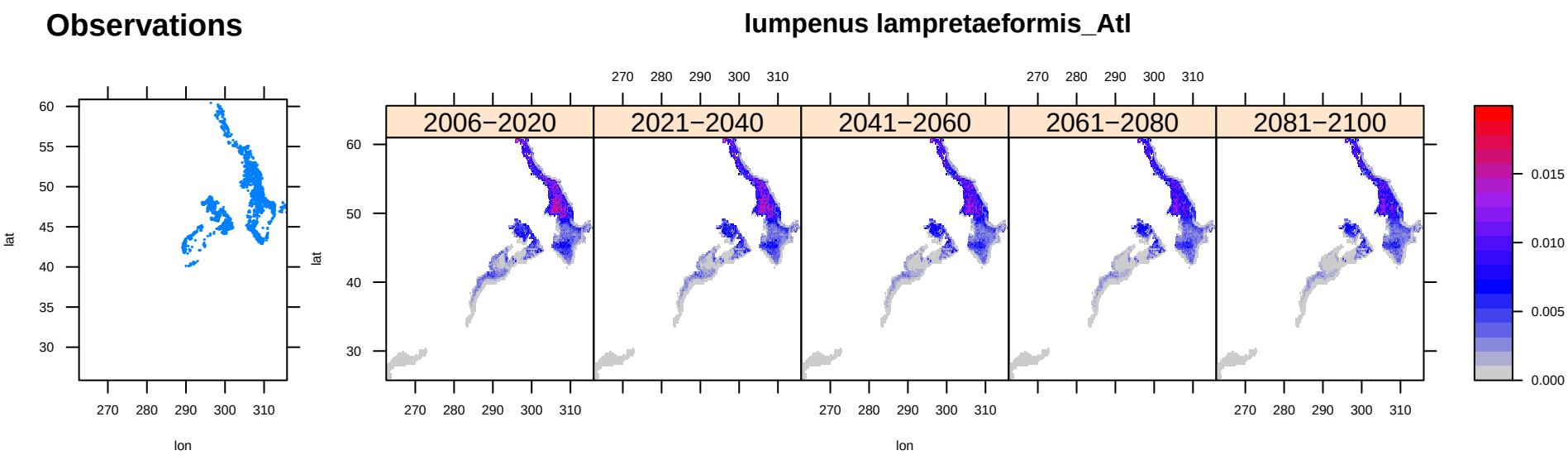
Observations
lumpenus lampretaeformis_Atl
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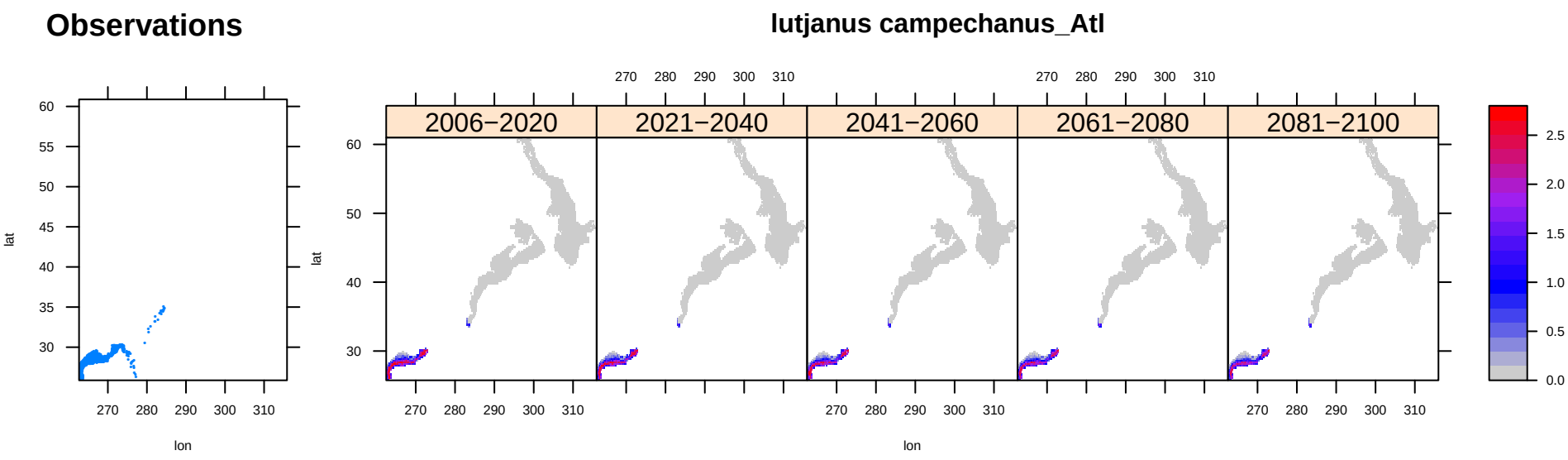
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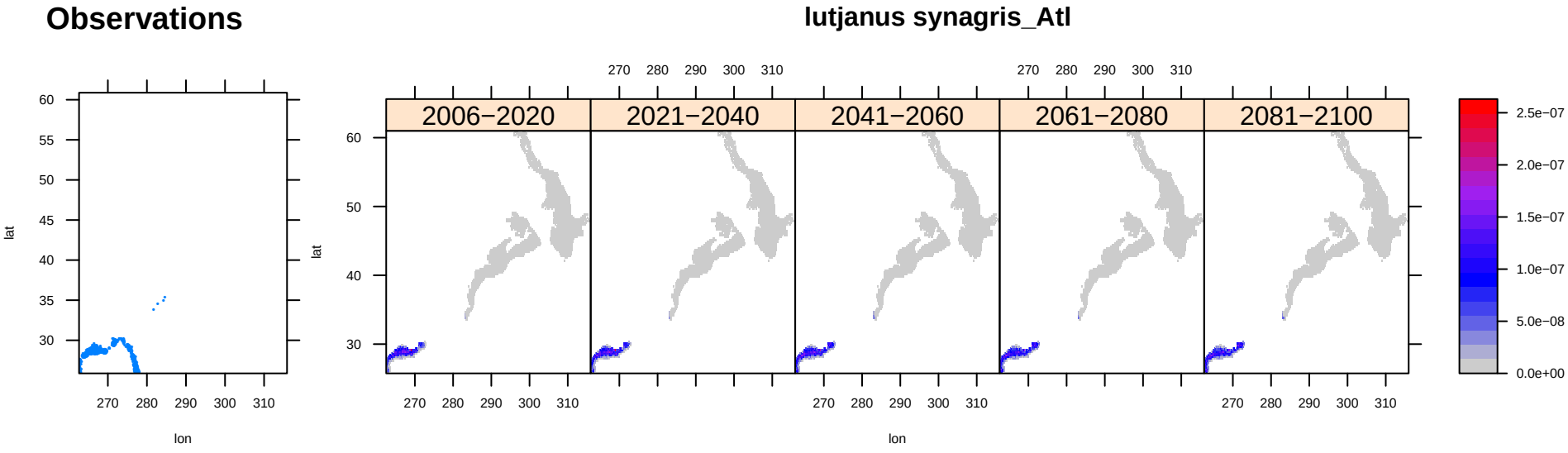
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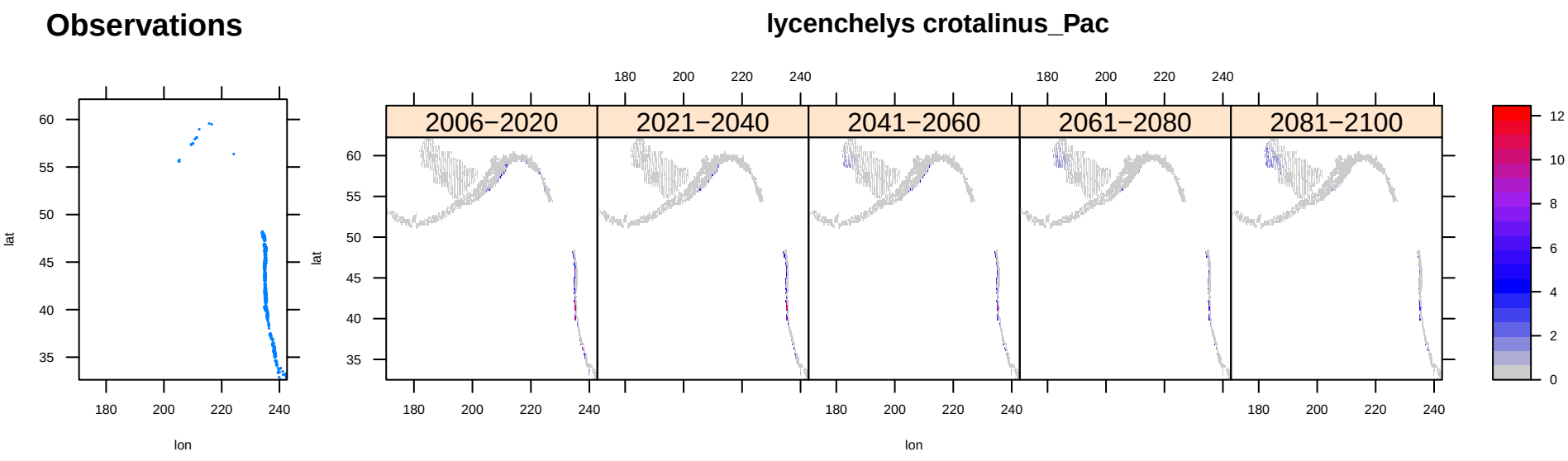
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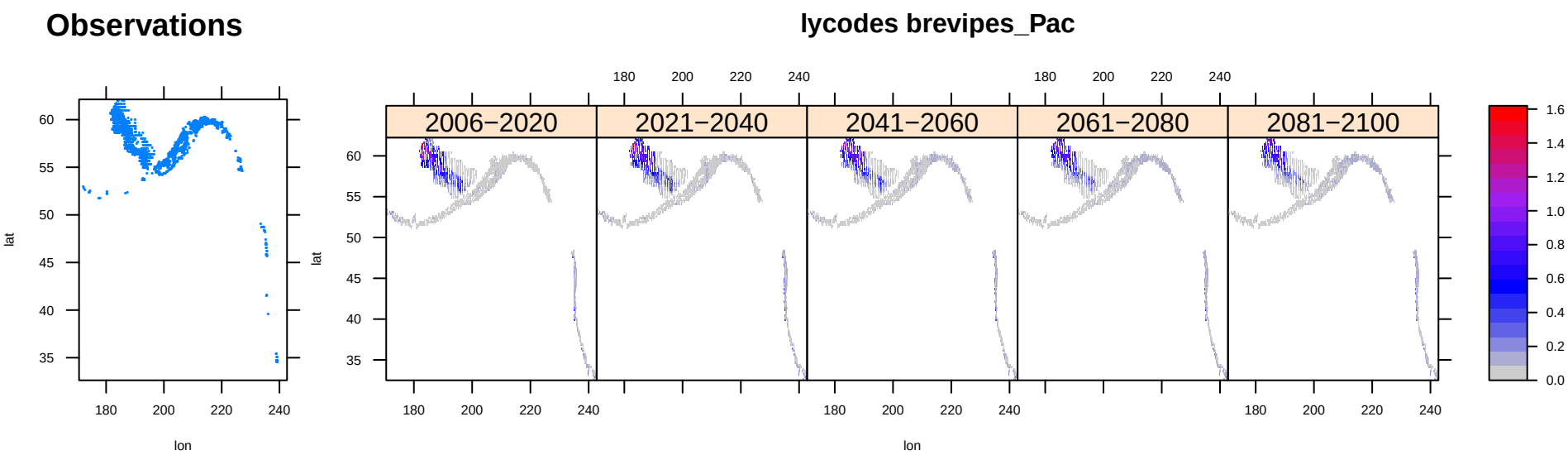
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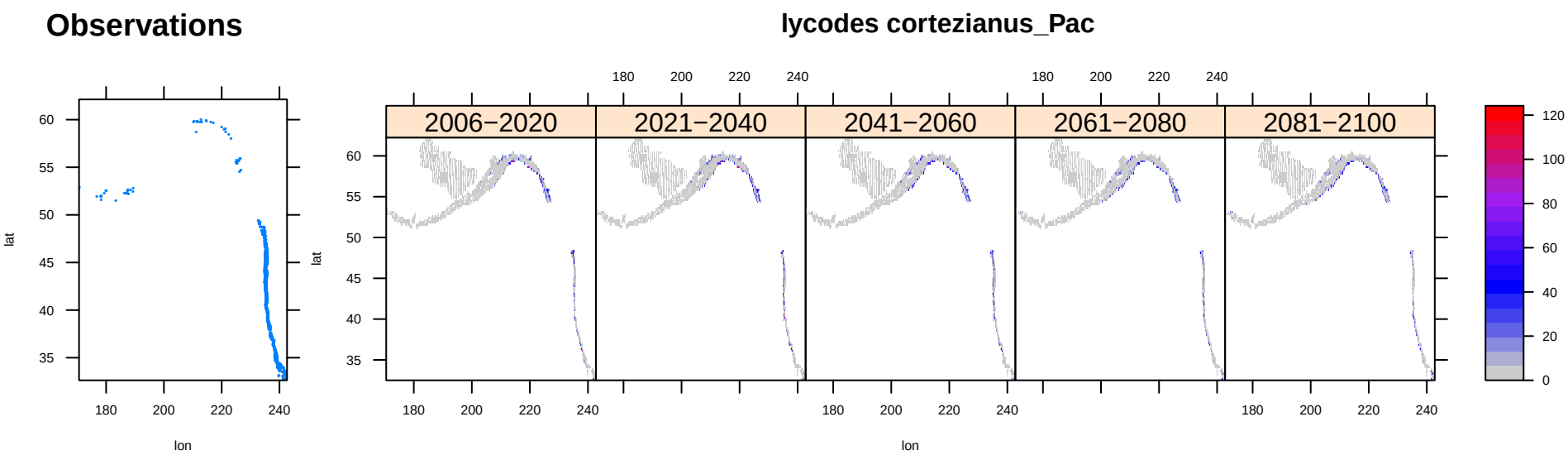
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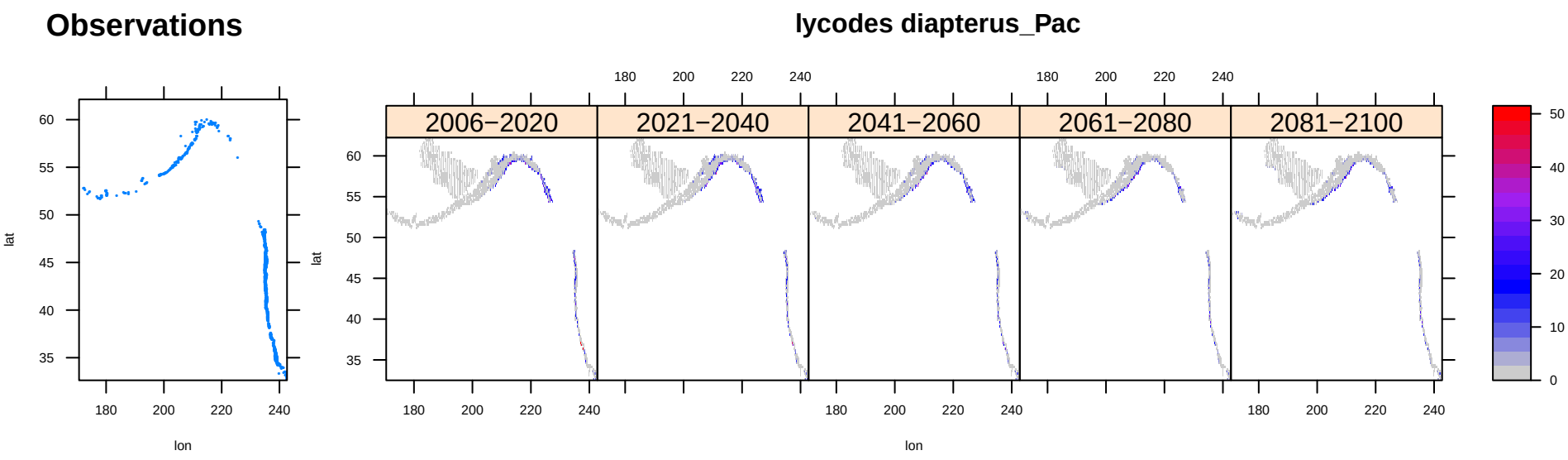
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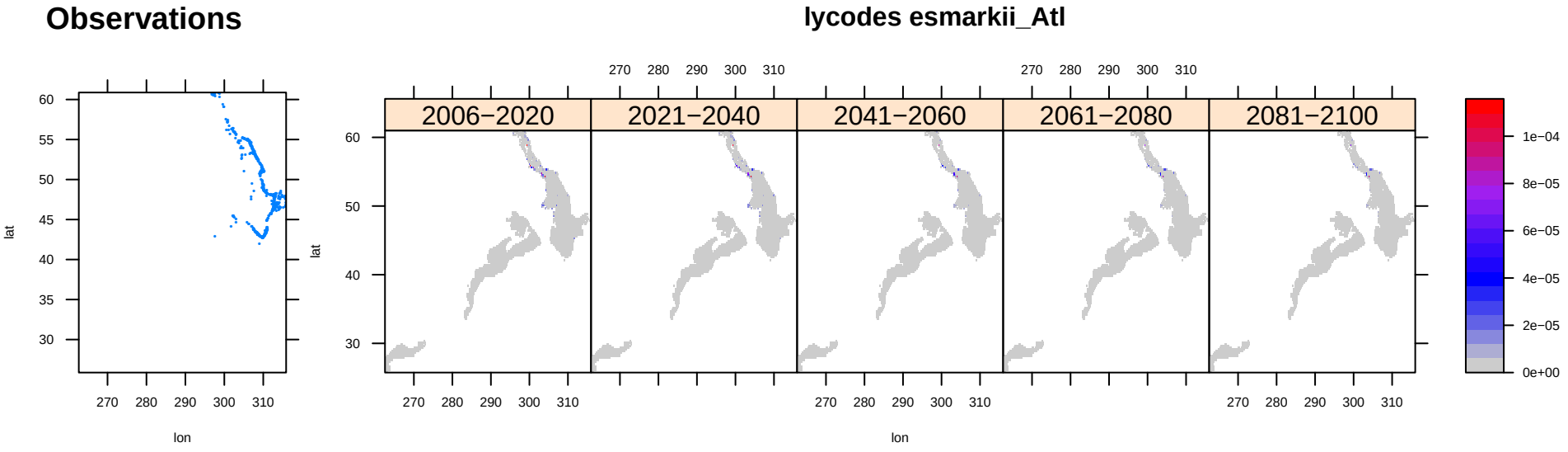
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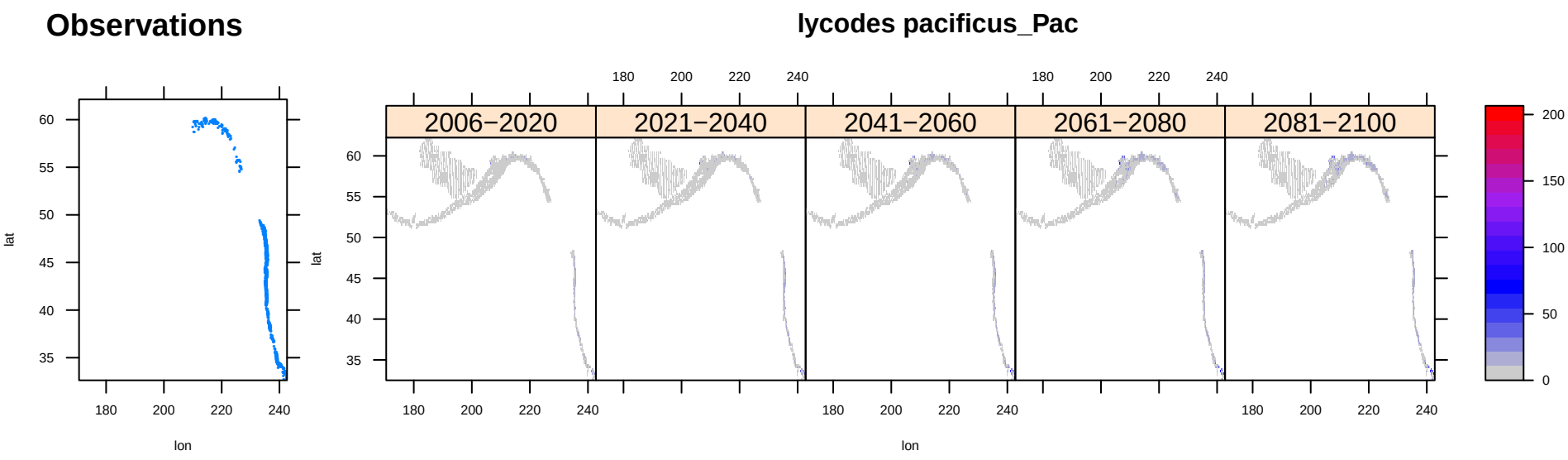
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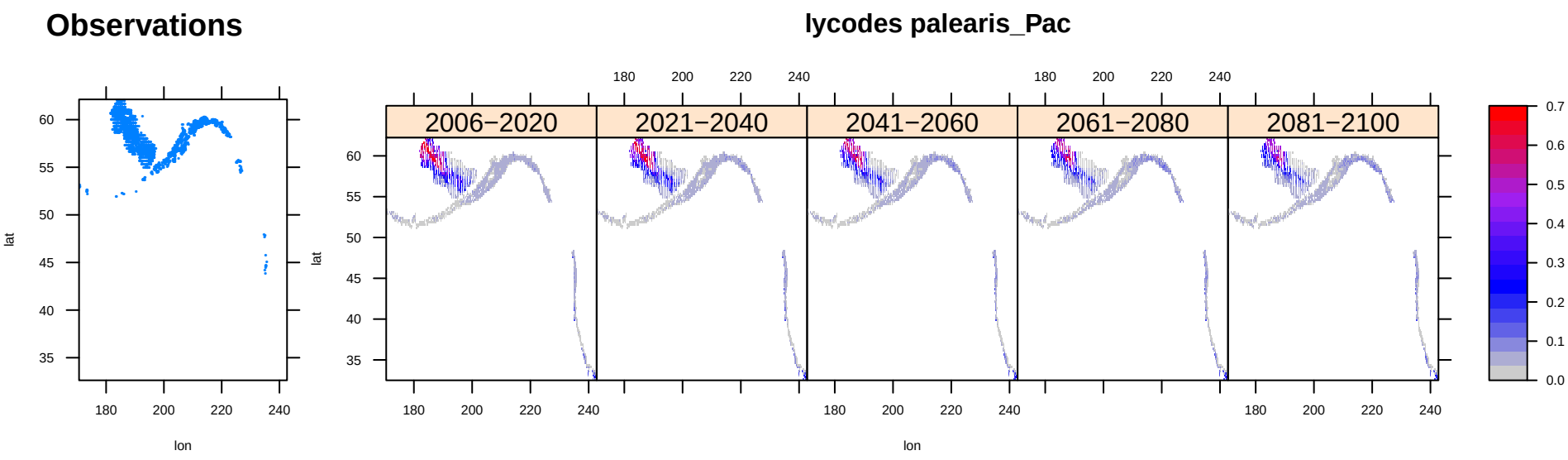
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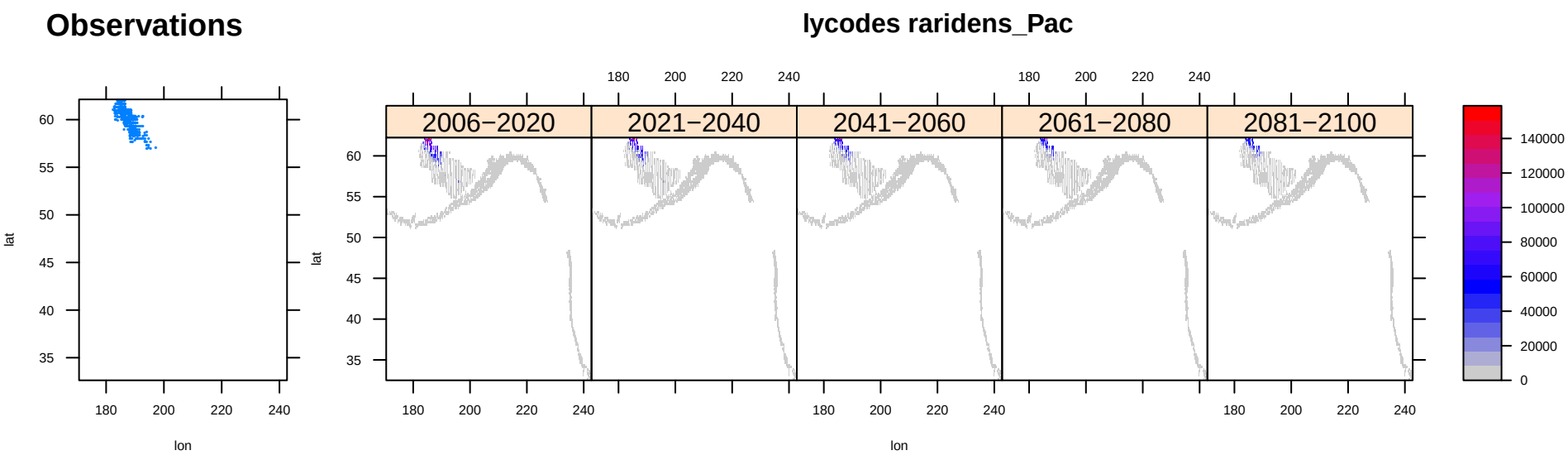
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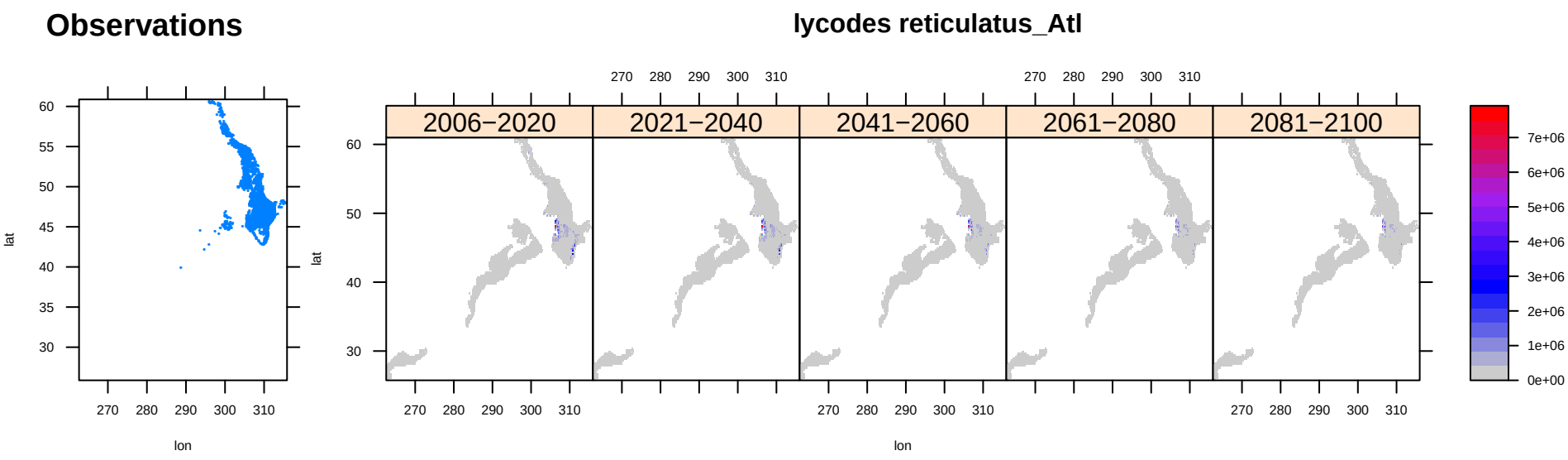
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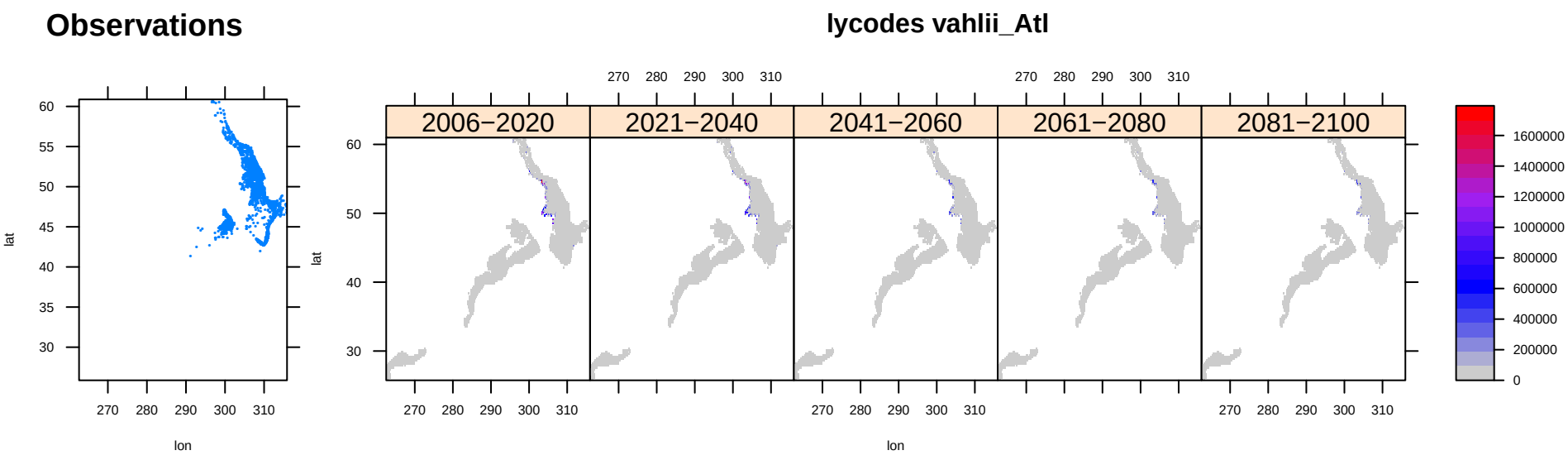
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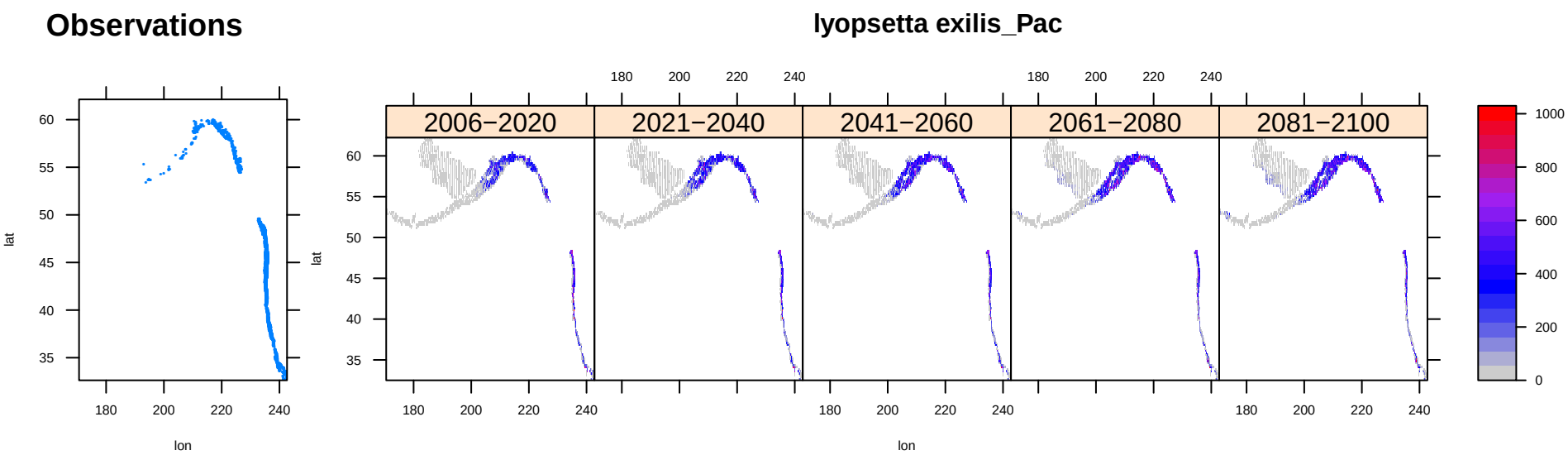
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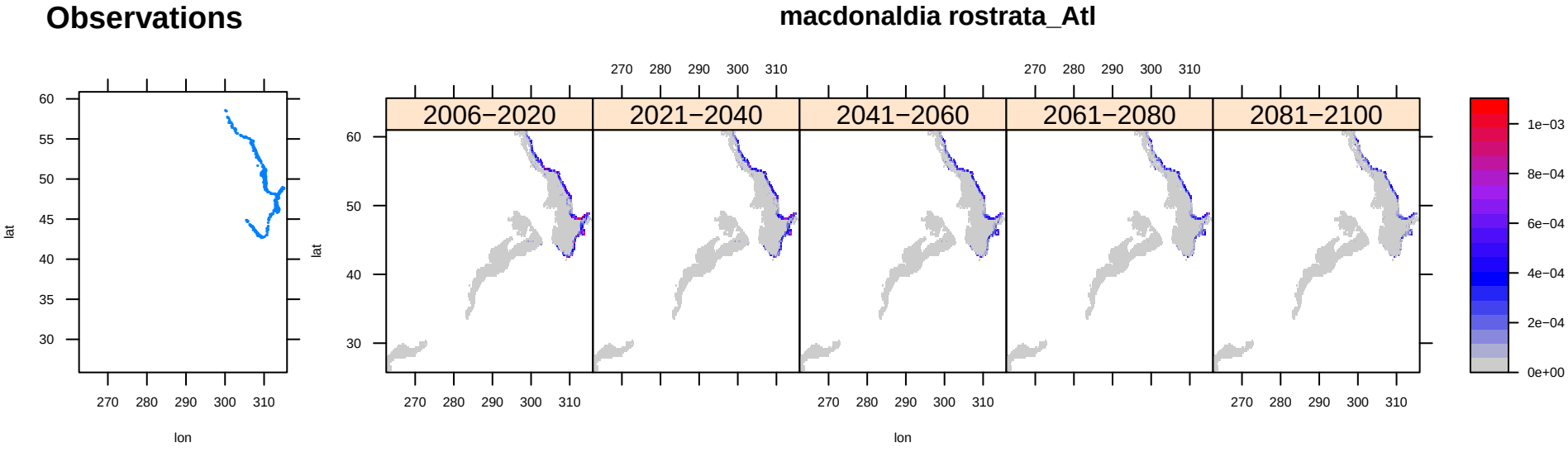
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macdonaldia rostrata_Atl
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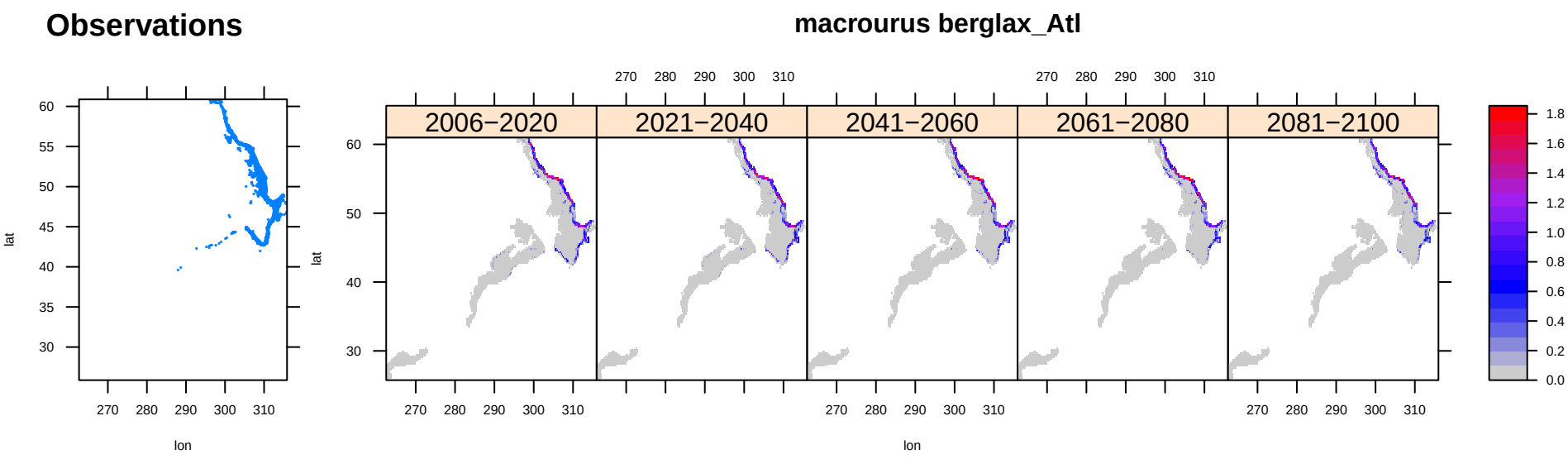
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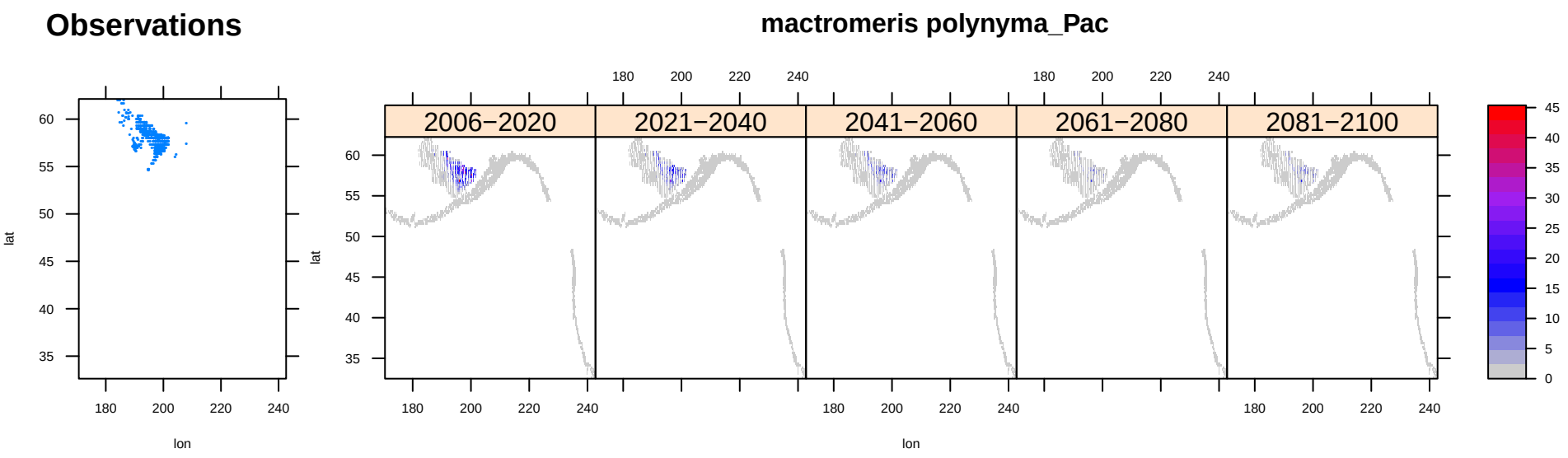
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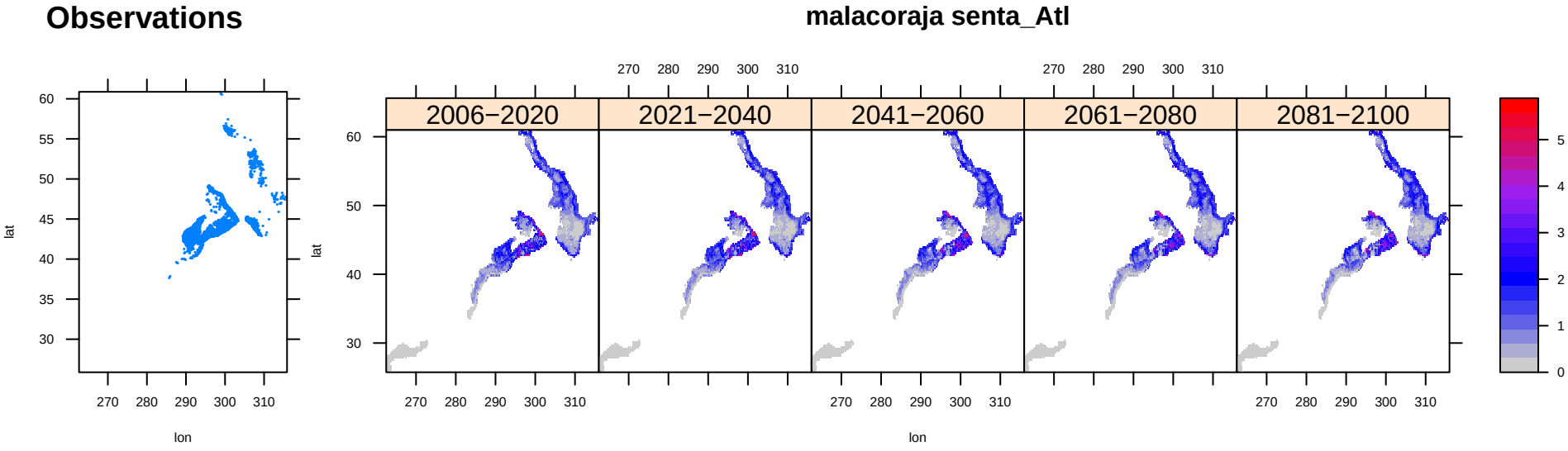
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malacoraja senta_Atl
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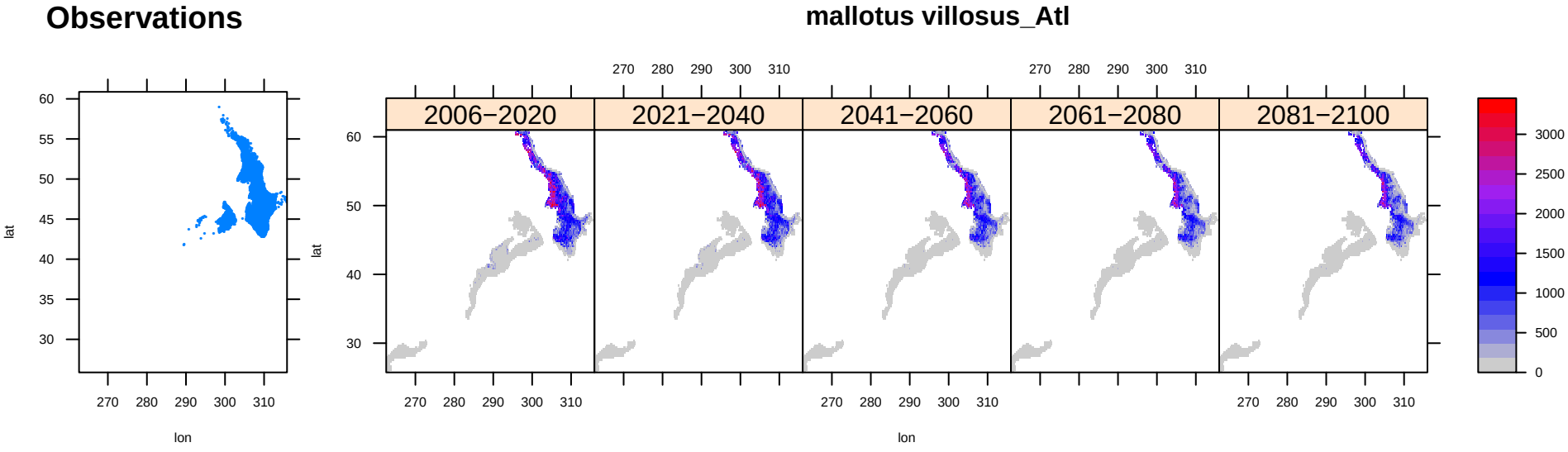
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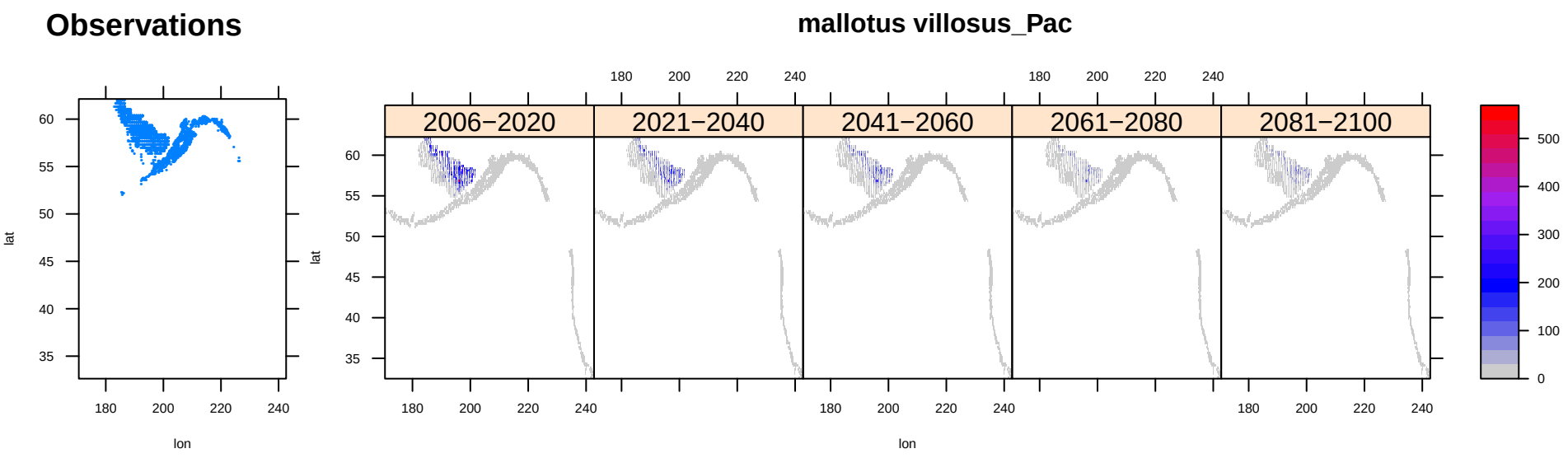
Observations
mallotus villosus_Pac
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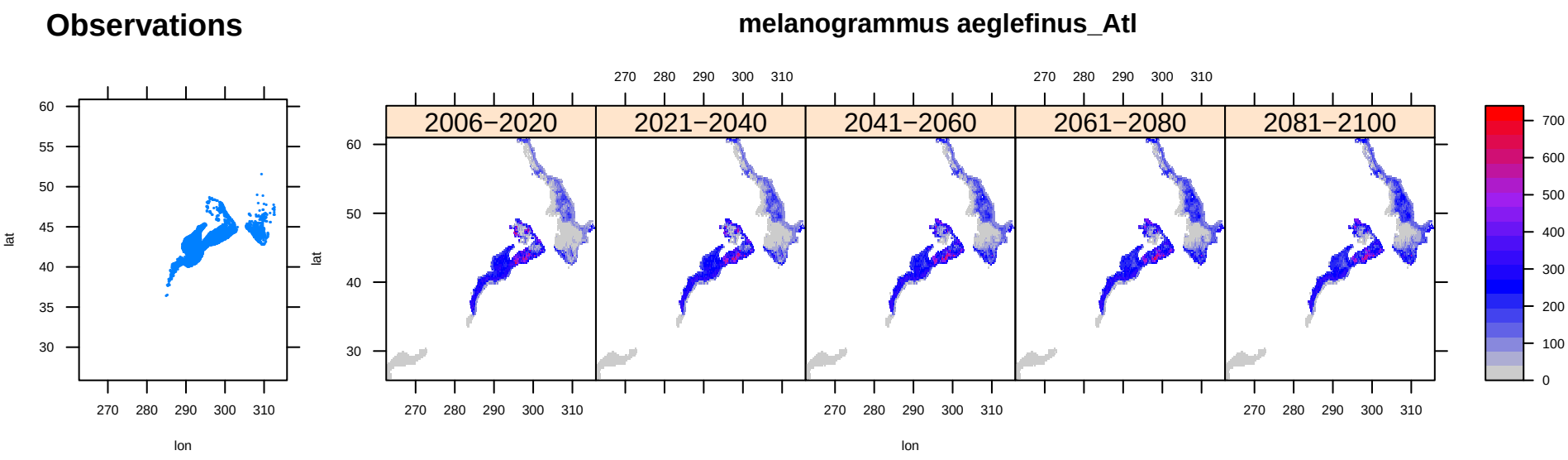
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melanogrammus aeglefinus_Atl
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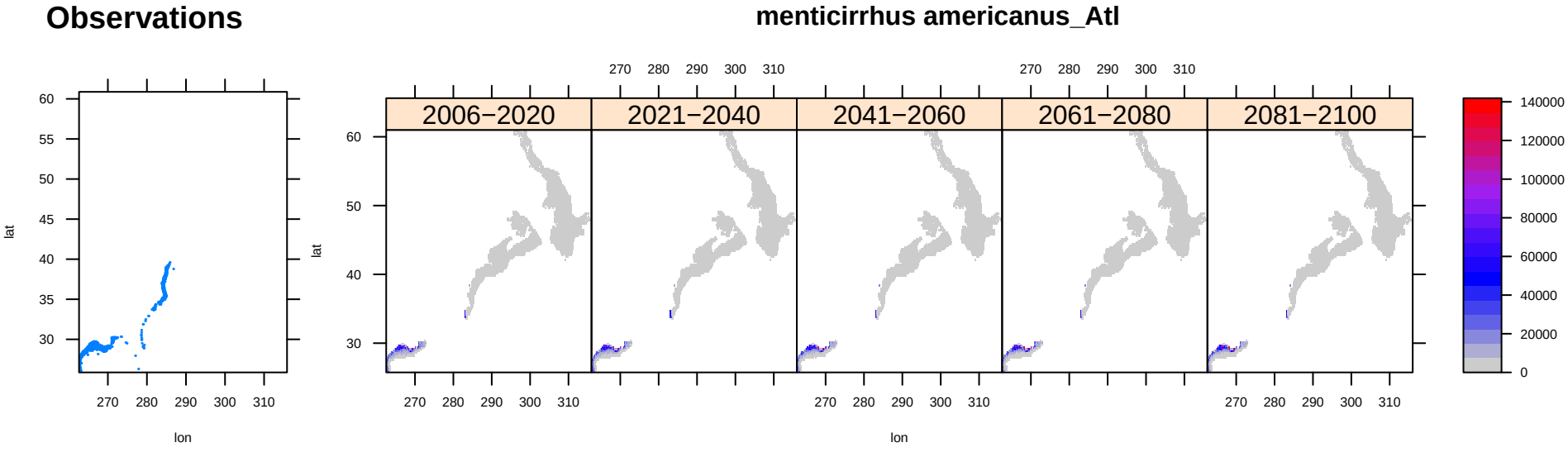
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menticirrhus americanus_Atl
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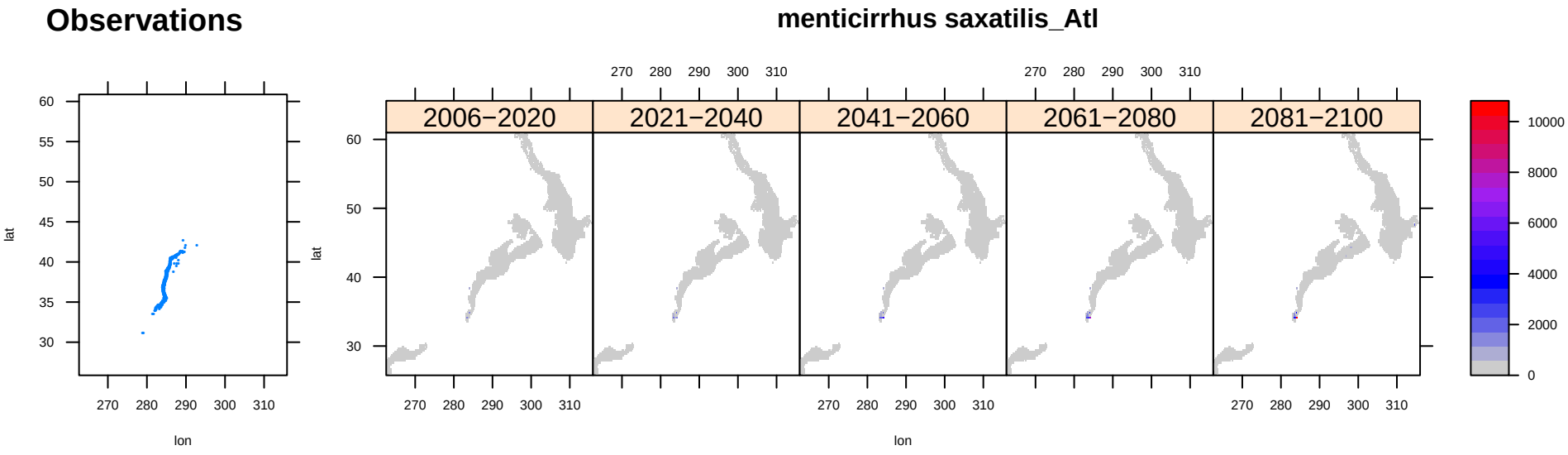
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menticirrhus saxatilis_Atl
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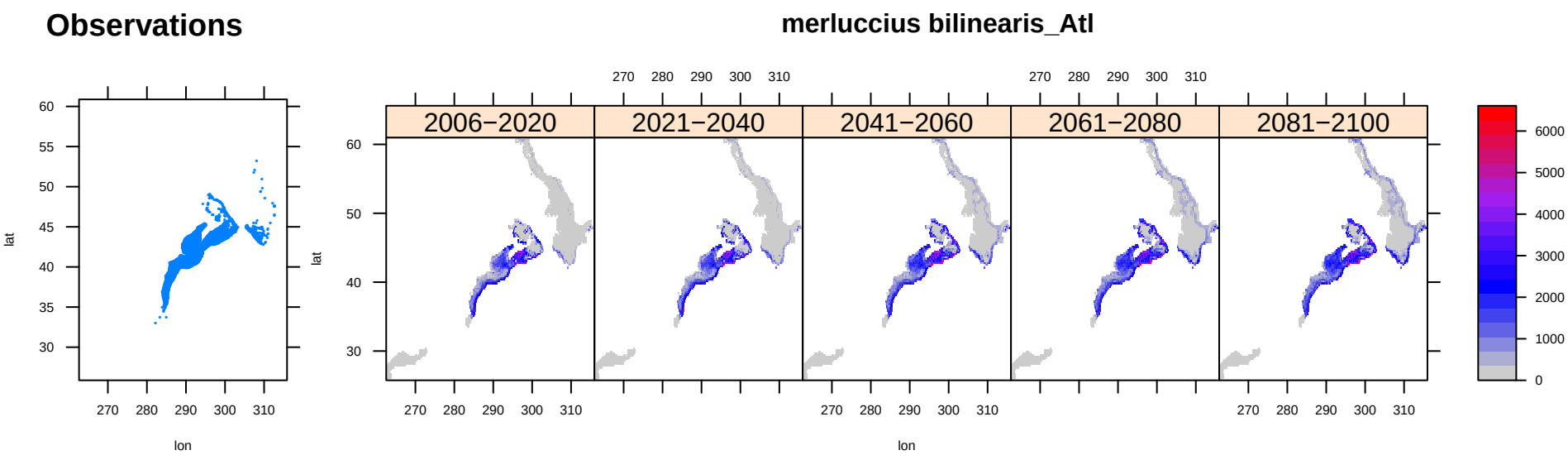
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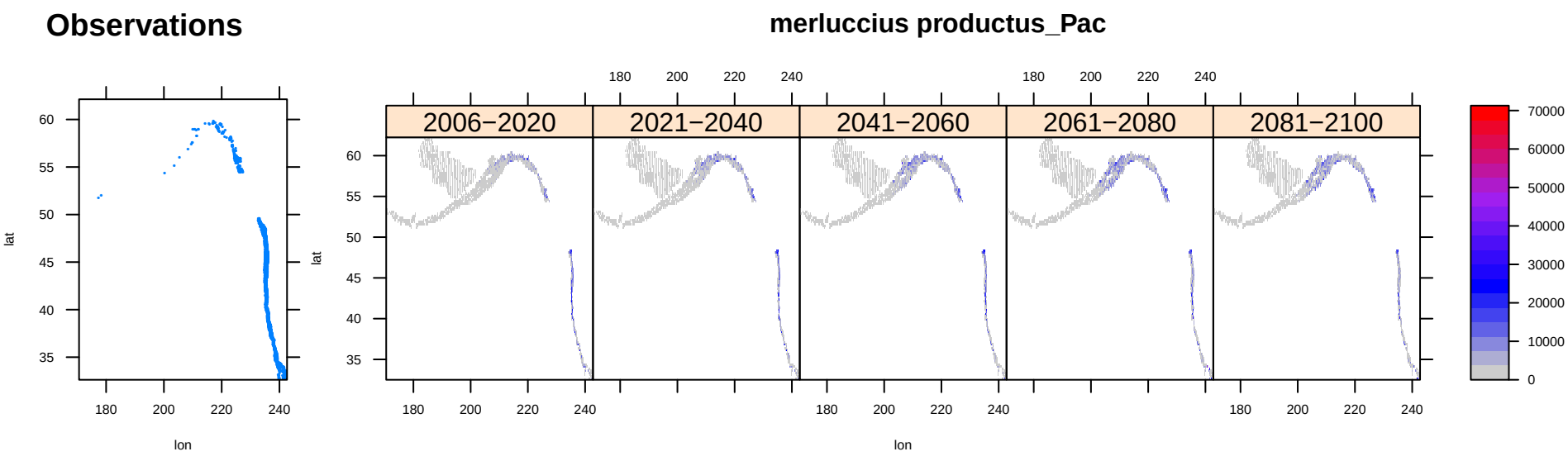
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merluccius productus_Pac
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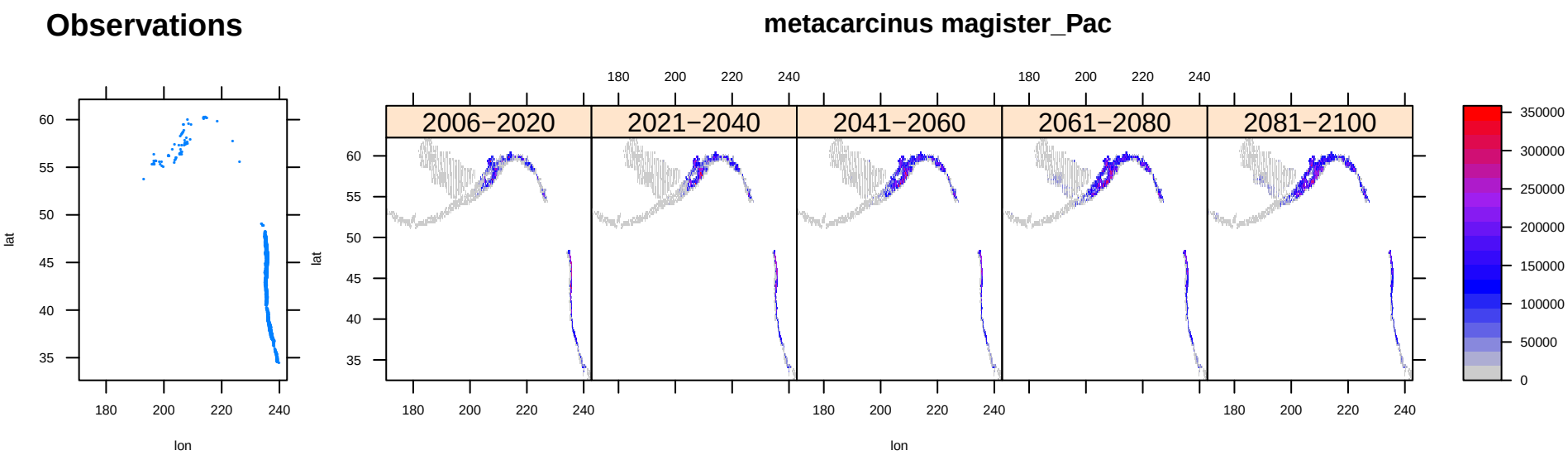
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metacarcinus magister_Pac
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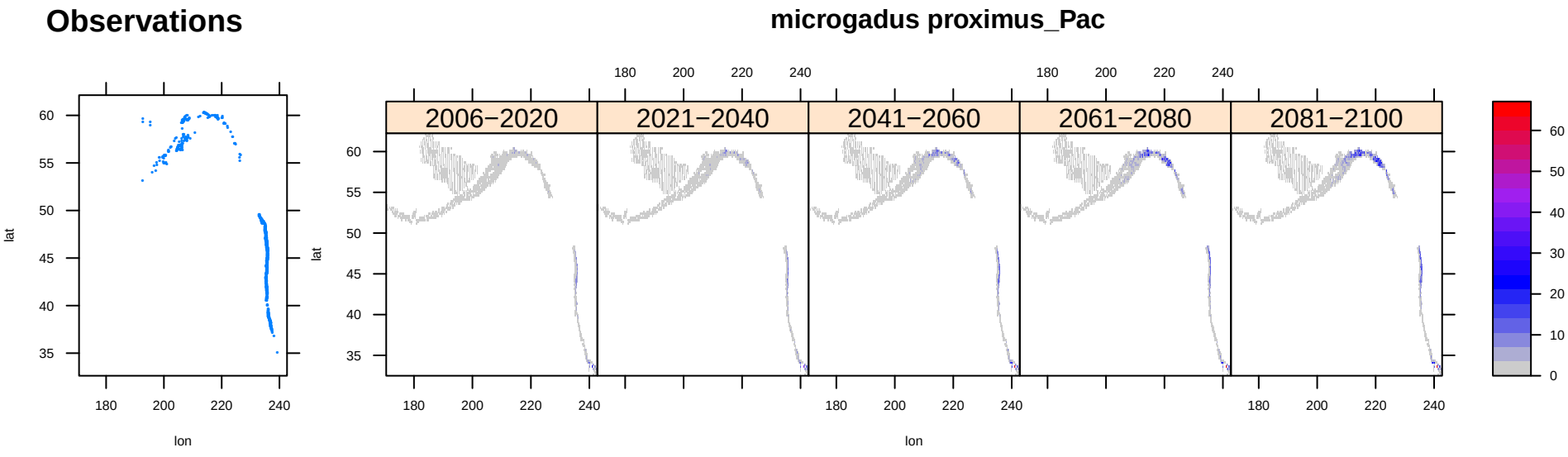
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microgadus proximus_Pac
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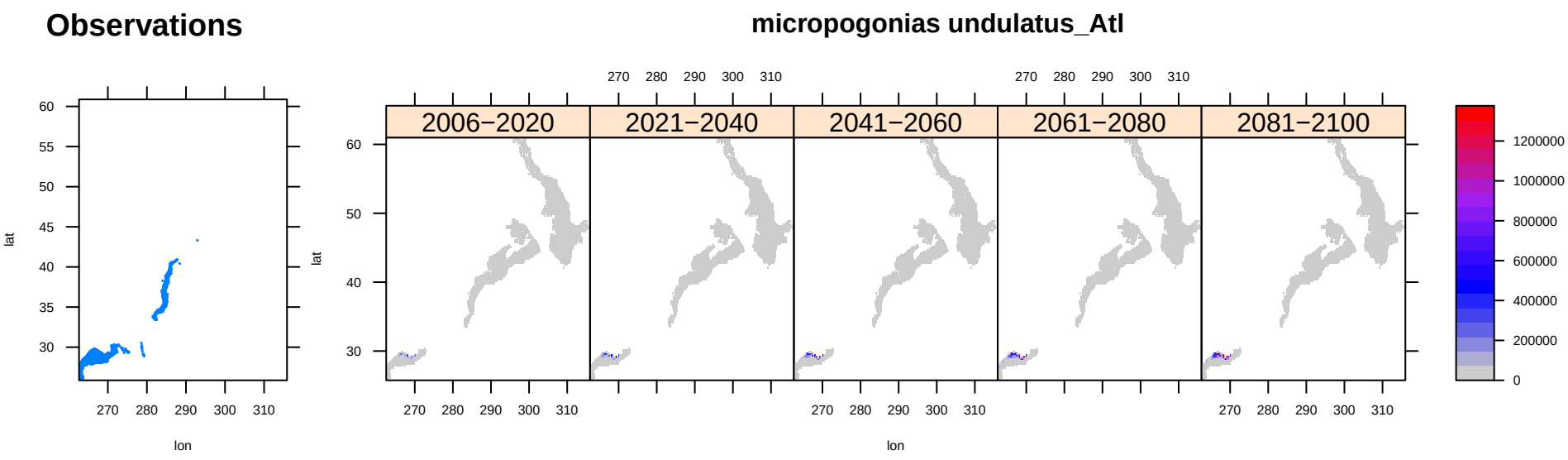
Observations
micropogonias undulatus_Atl
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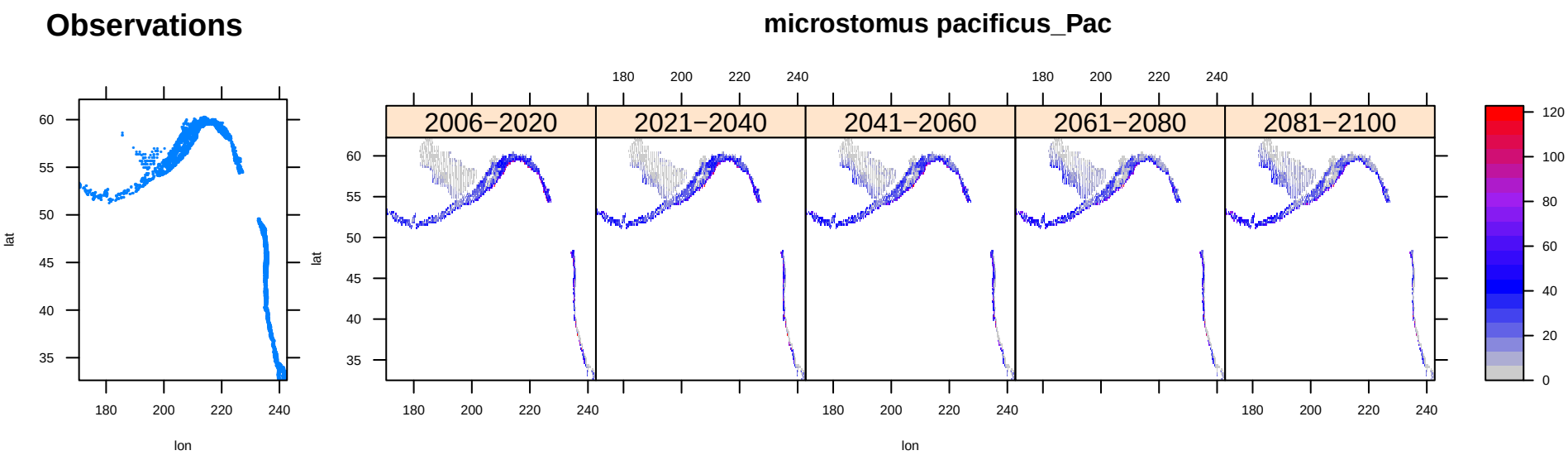
Observations
microstomus pacificus_Pac
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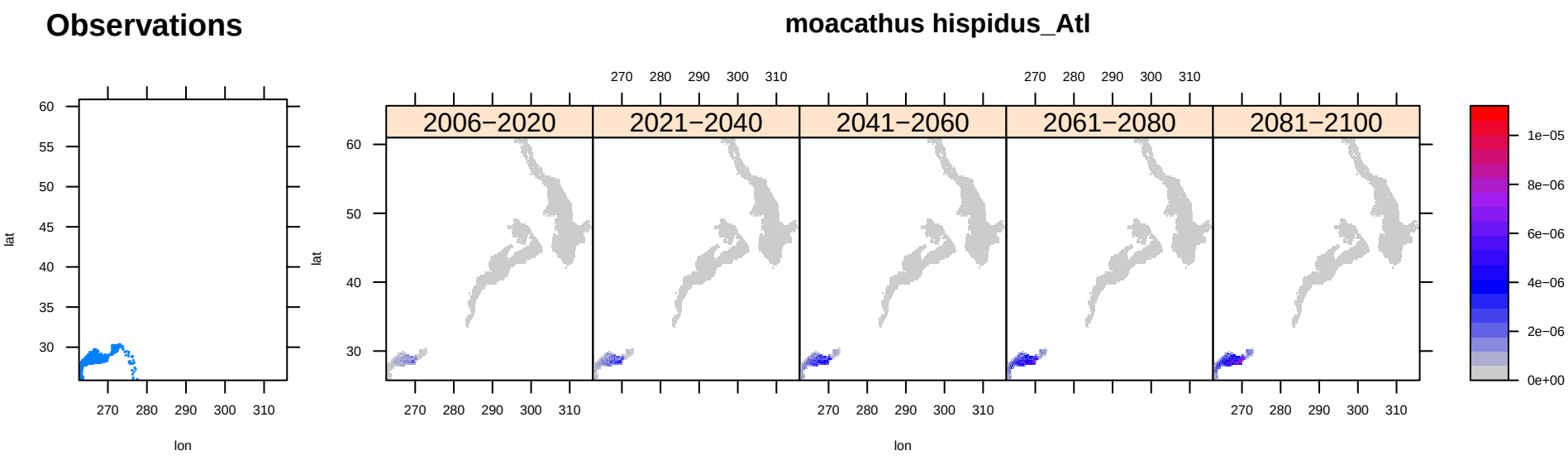
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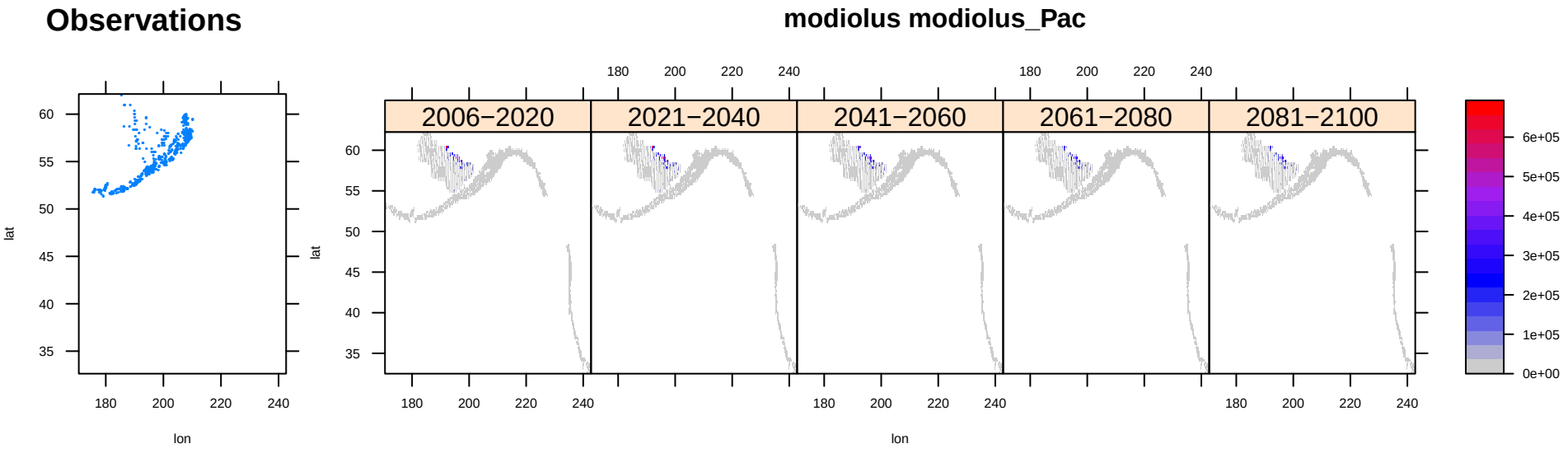
Observations
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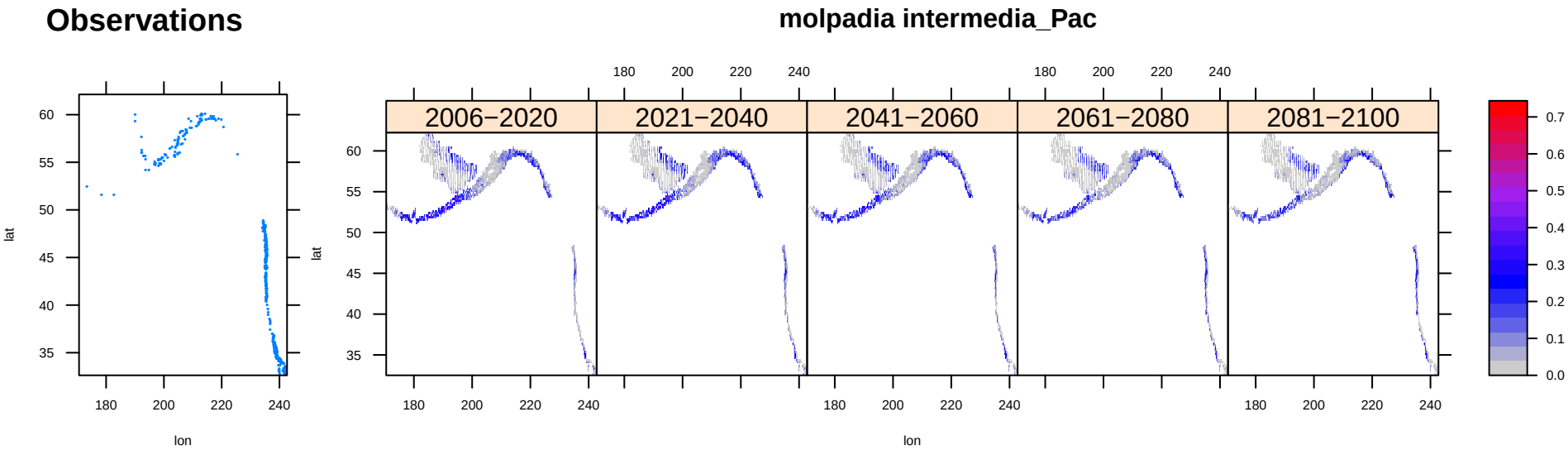
Observations
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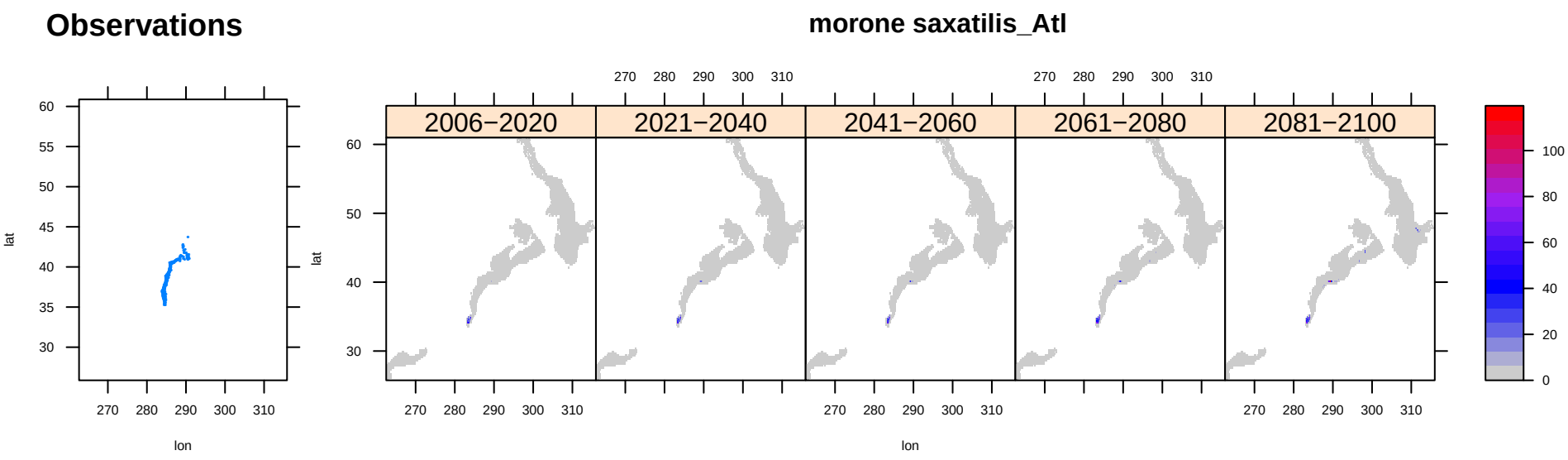
Observations
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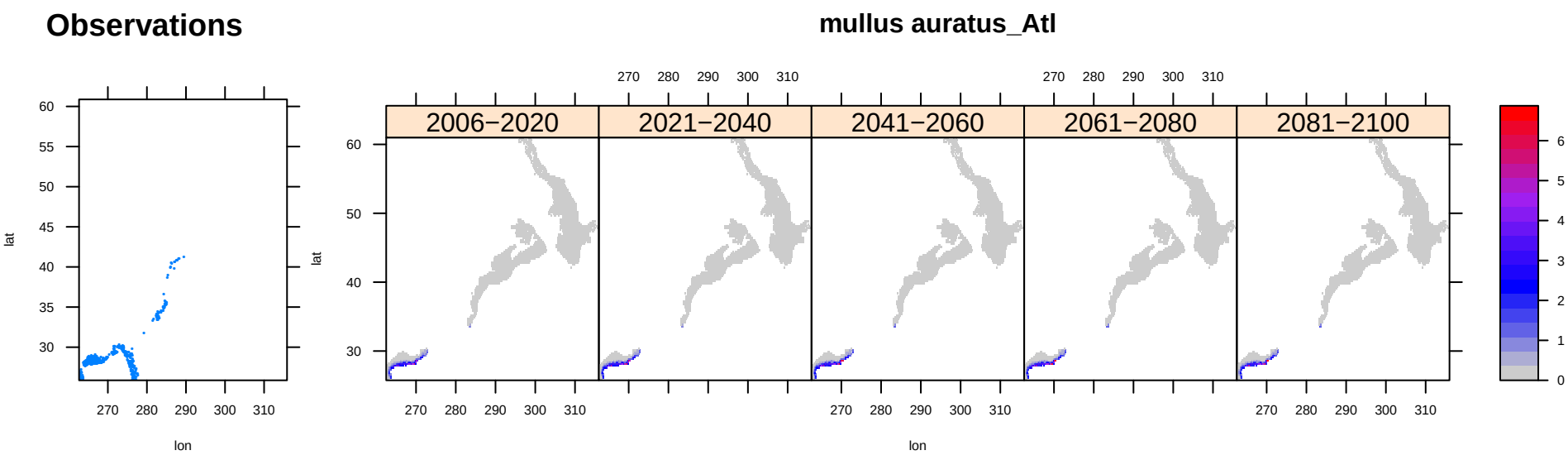
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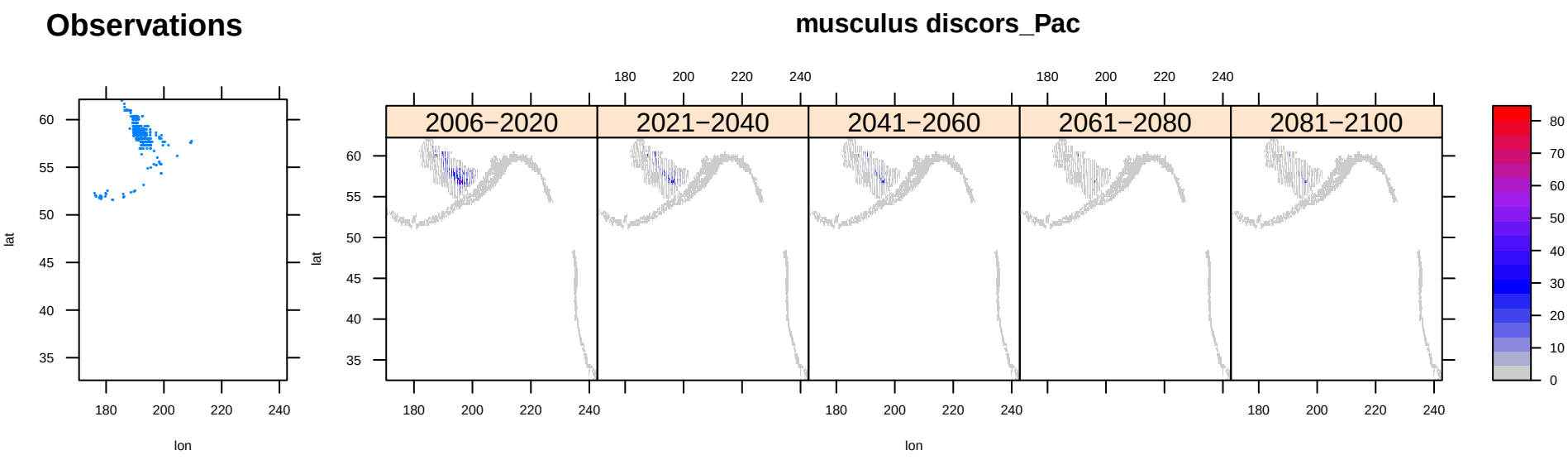
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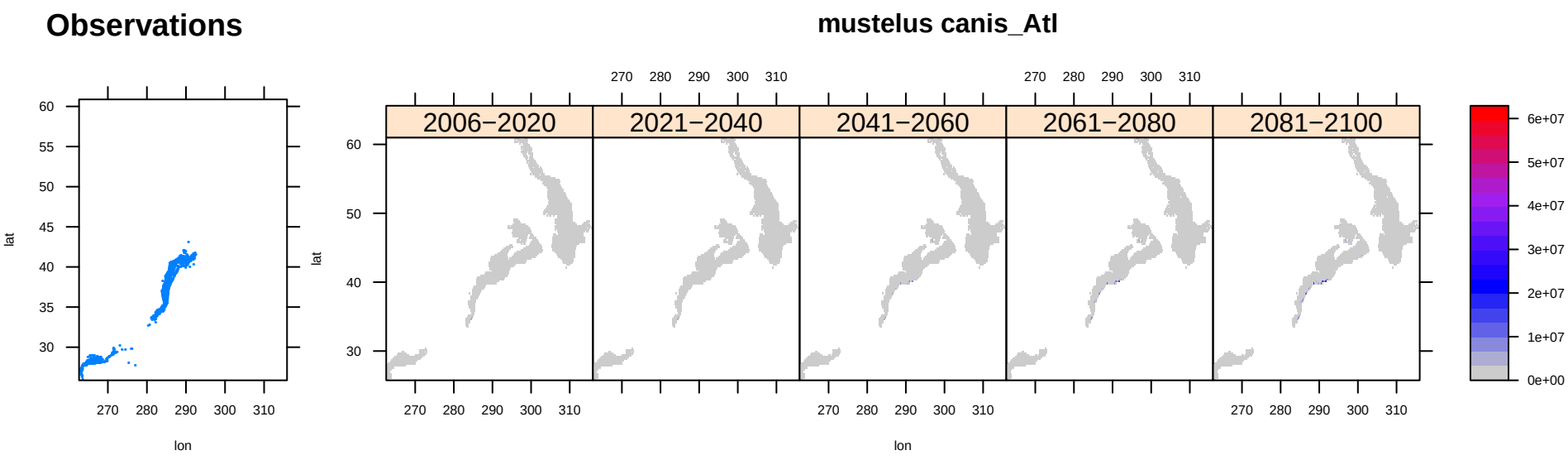
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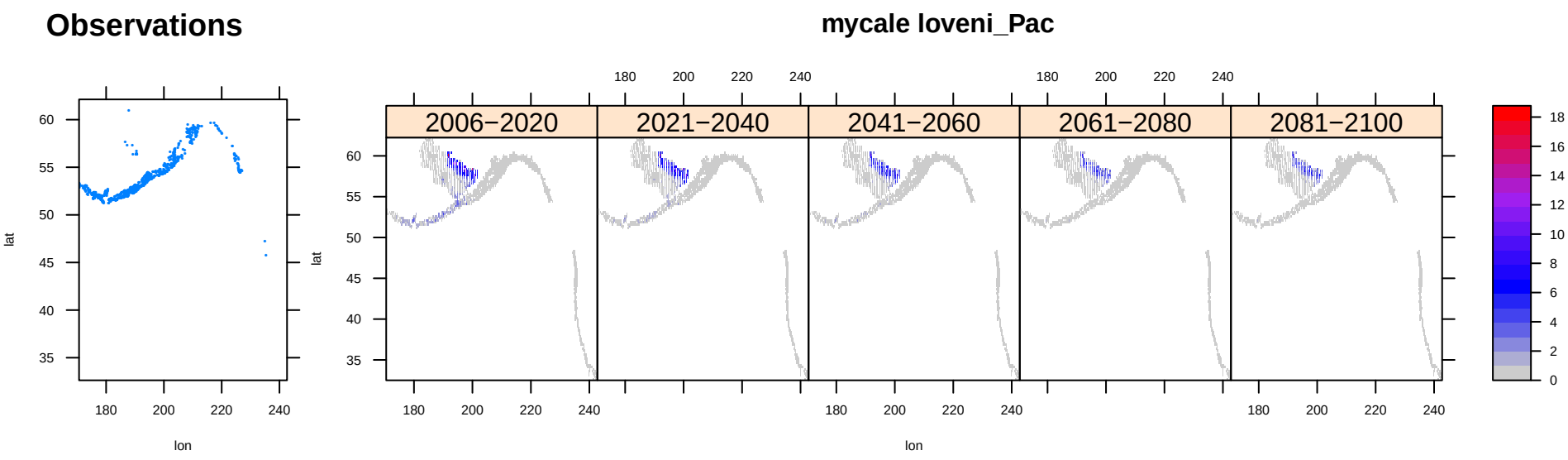
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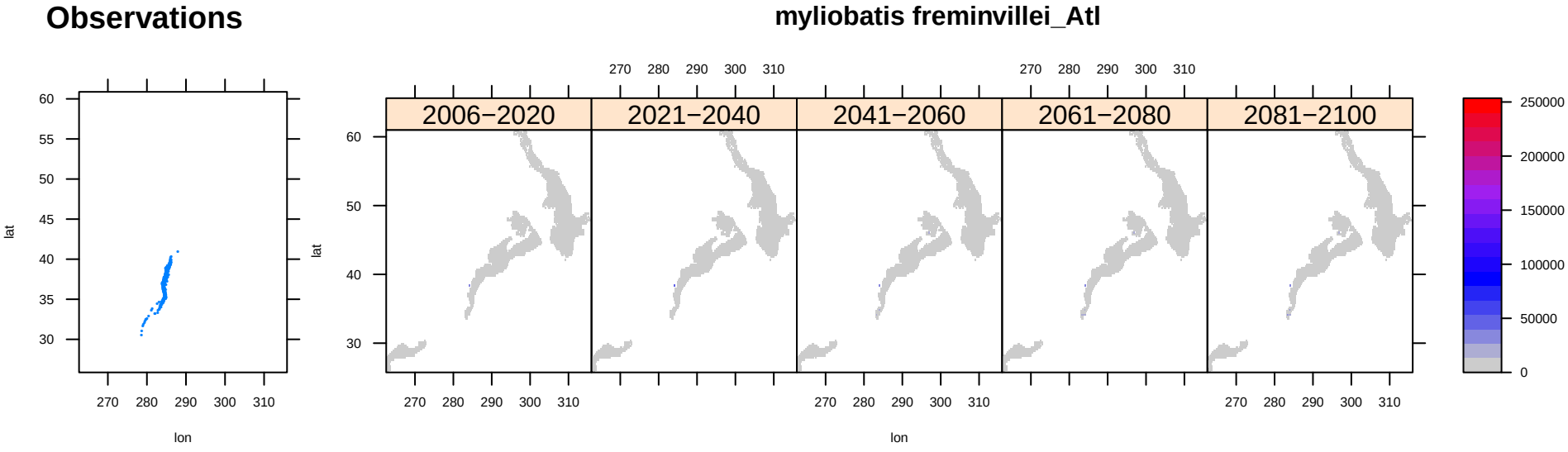
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myliobatis freminvillei_Atl
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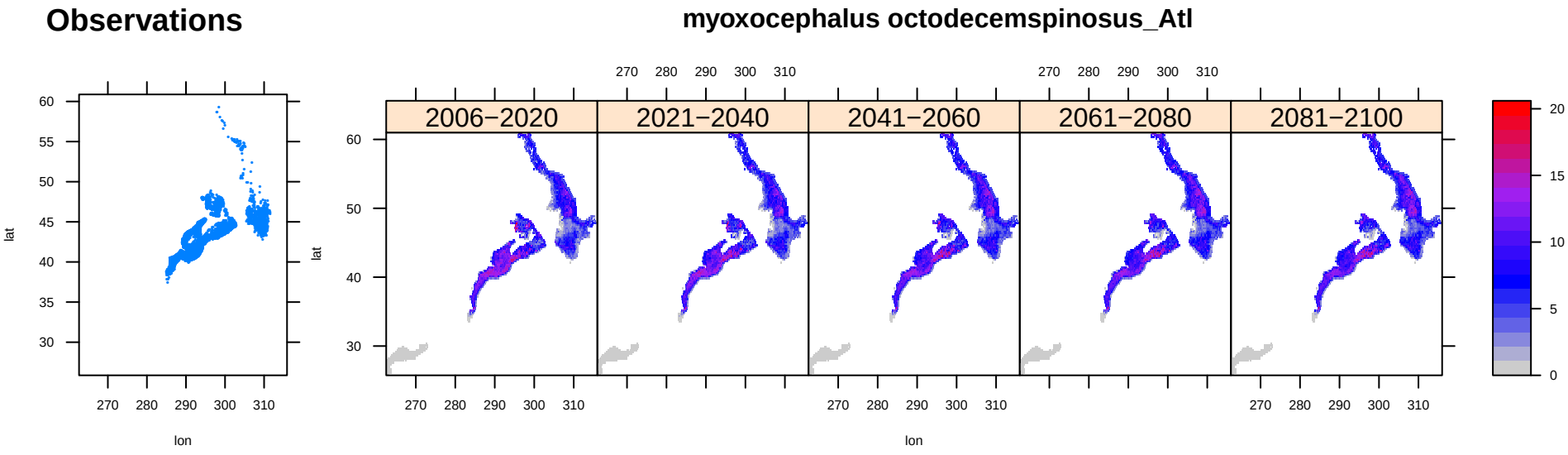
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myoxocephalus octodecemspinosus_Atl
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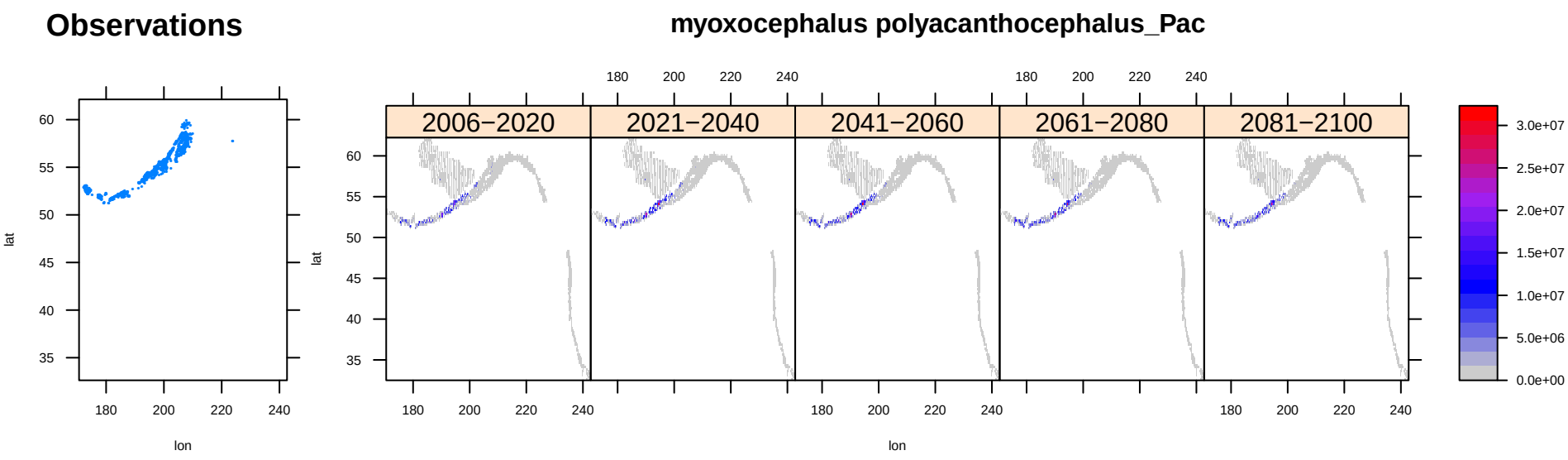
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myoxocephalus polyacanthocephalus_Pac
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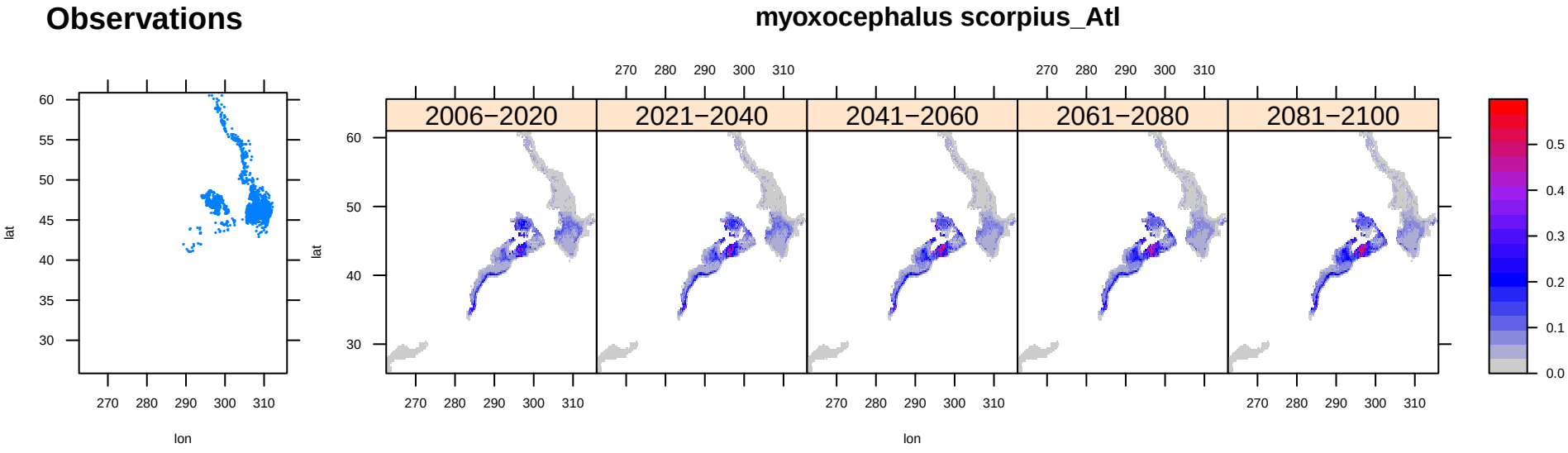
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myoxocephalus scorpius_Atl
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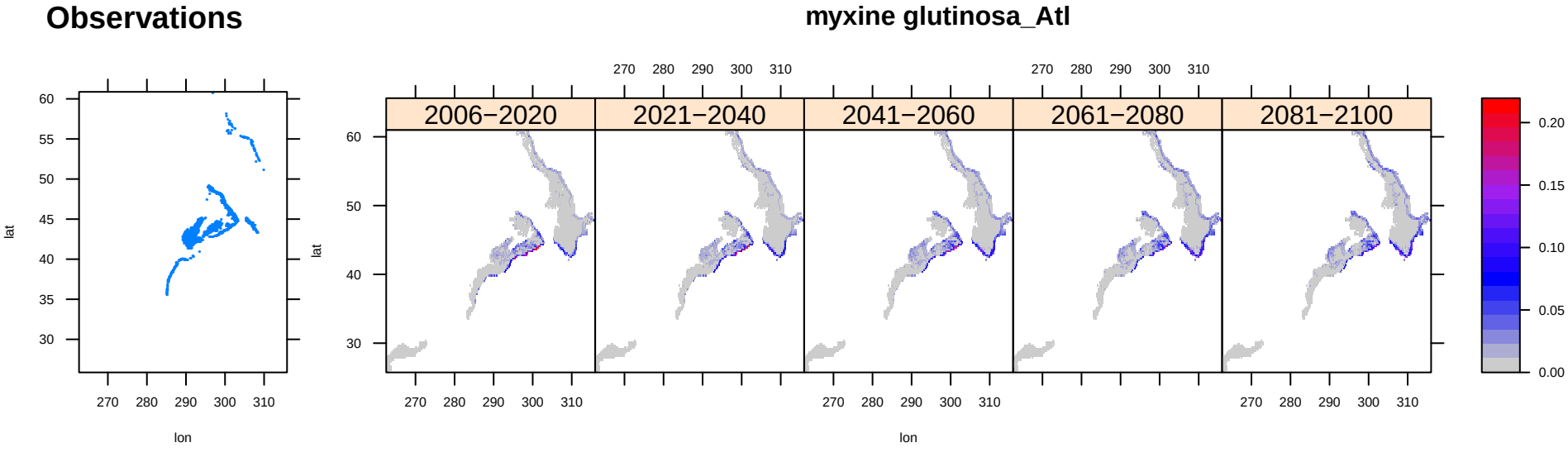
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myxine glutinosa_Atl
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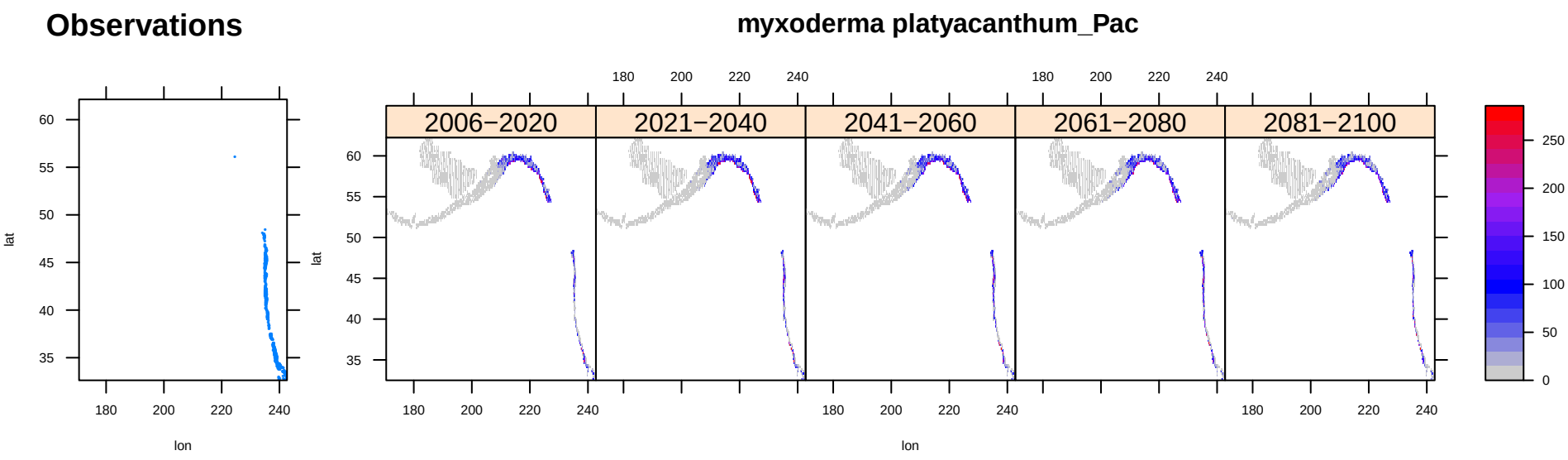
Observations
myxoderma platyacanthum_Pac
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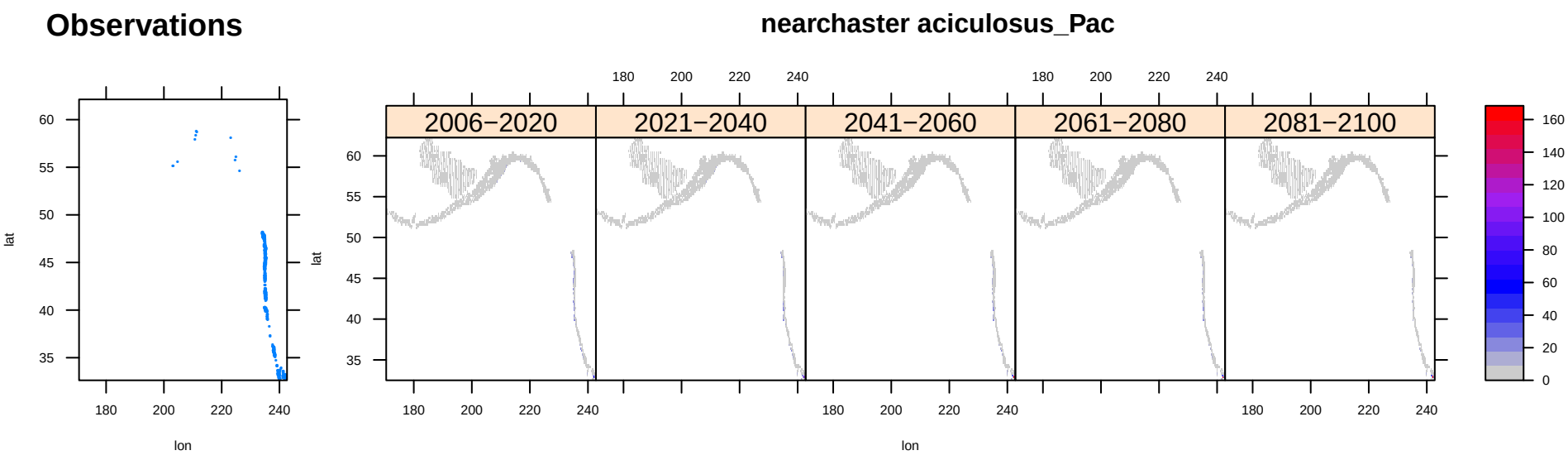
Observations
nearchaster aciculosus_Pac
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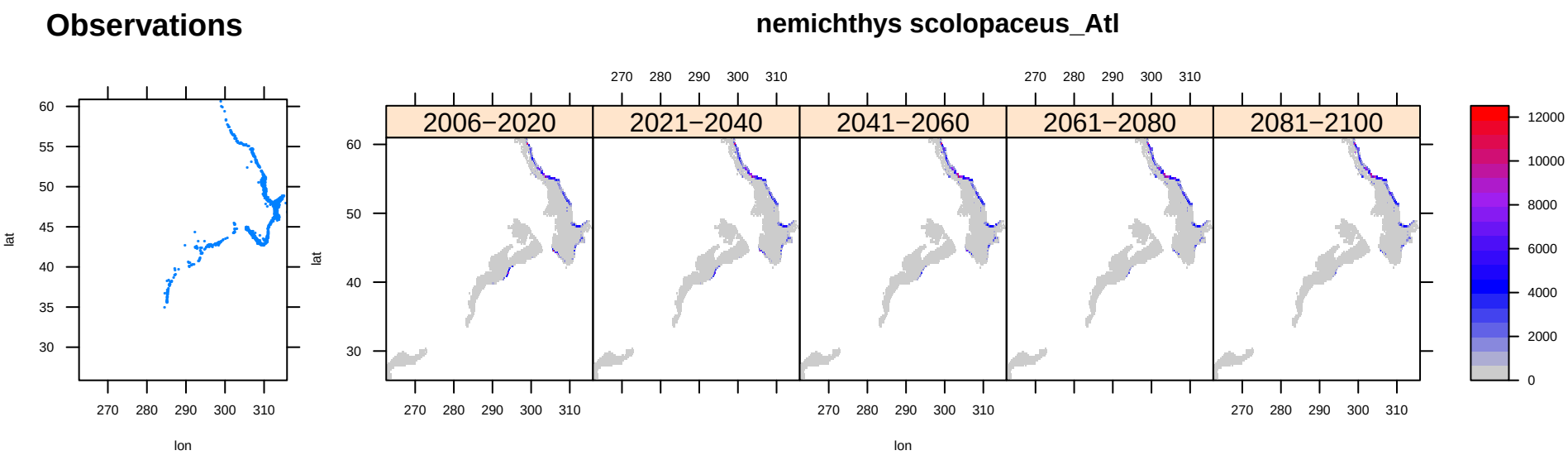
Observations
nemichthys scolopaceus_Atl
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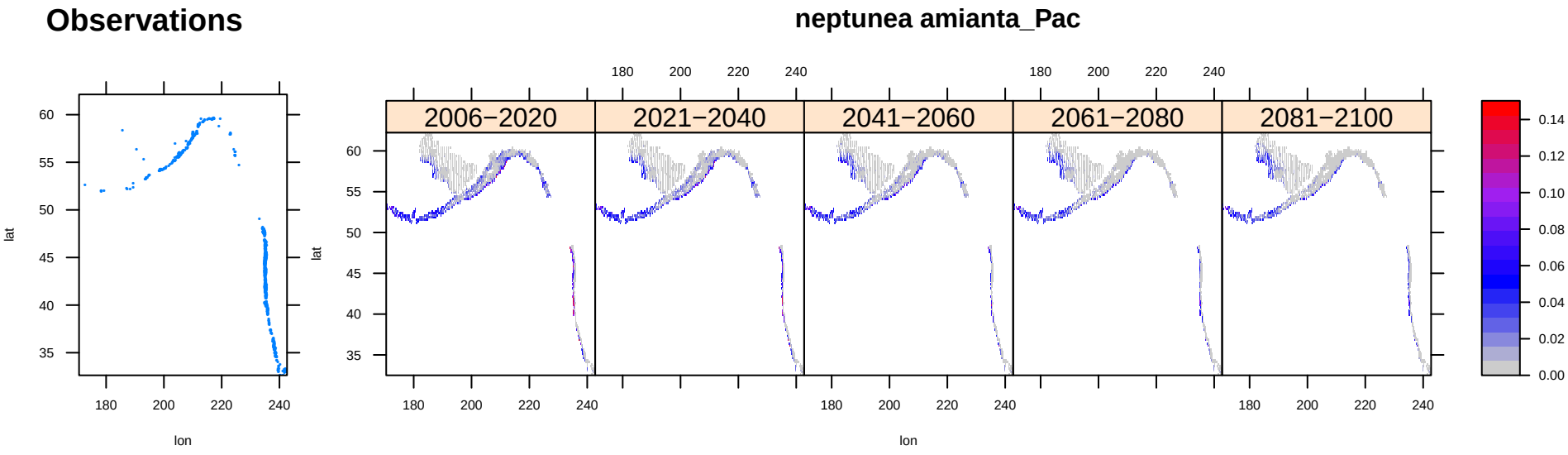
Observations
neptunea amianta_Pac
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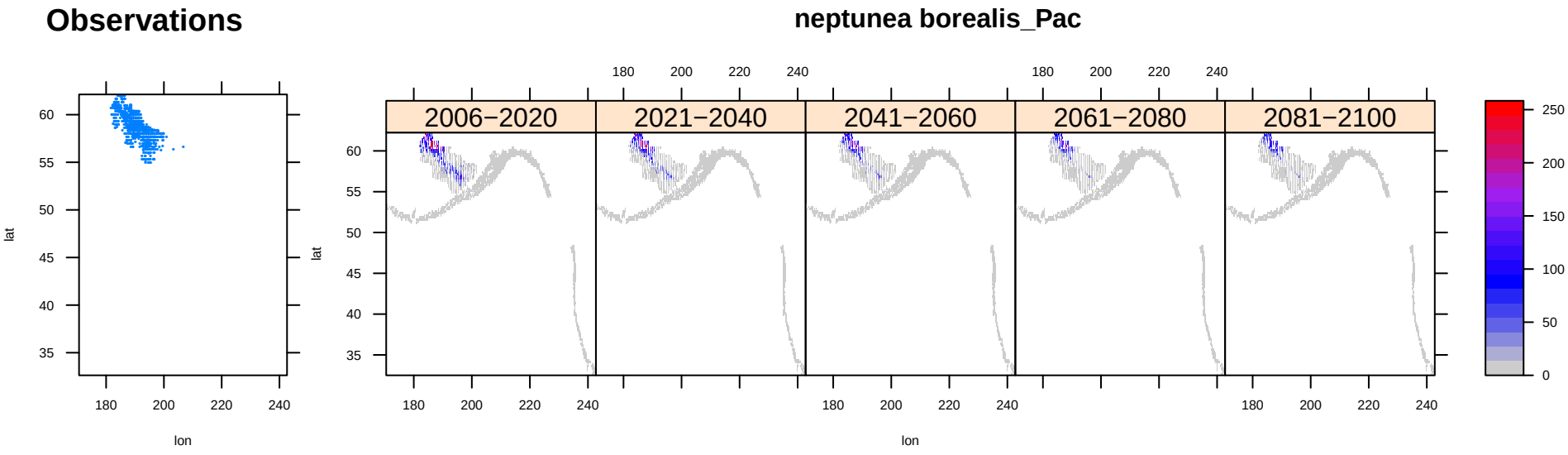
Observations
neptunea borealis_Pac
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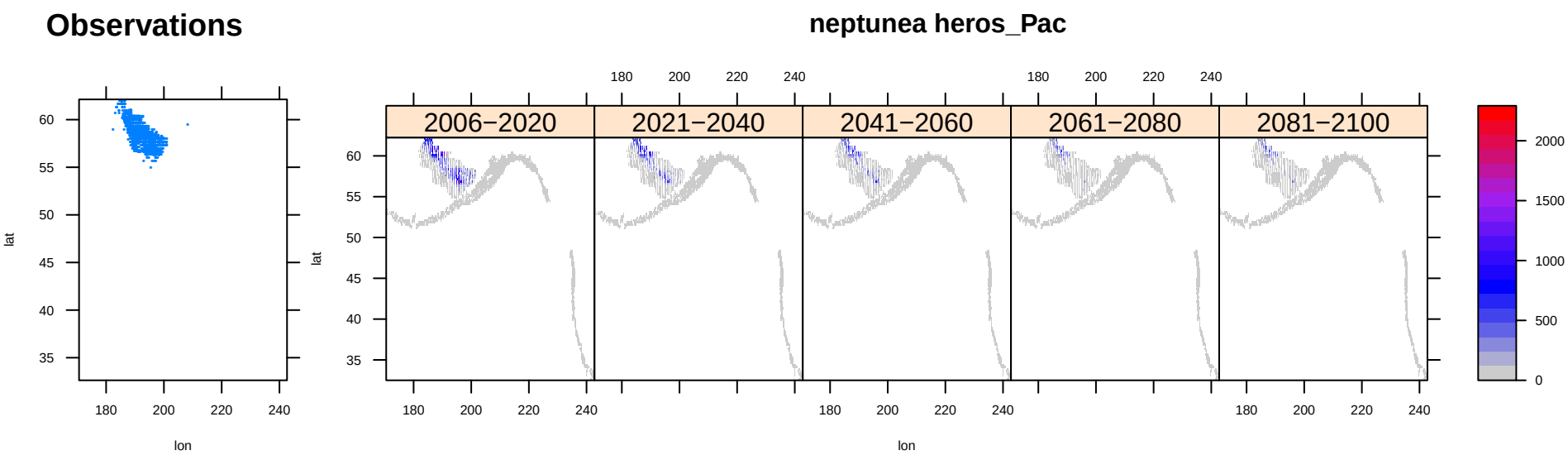
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neptunea heros_Pac
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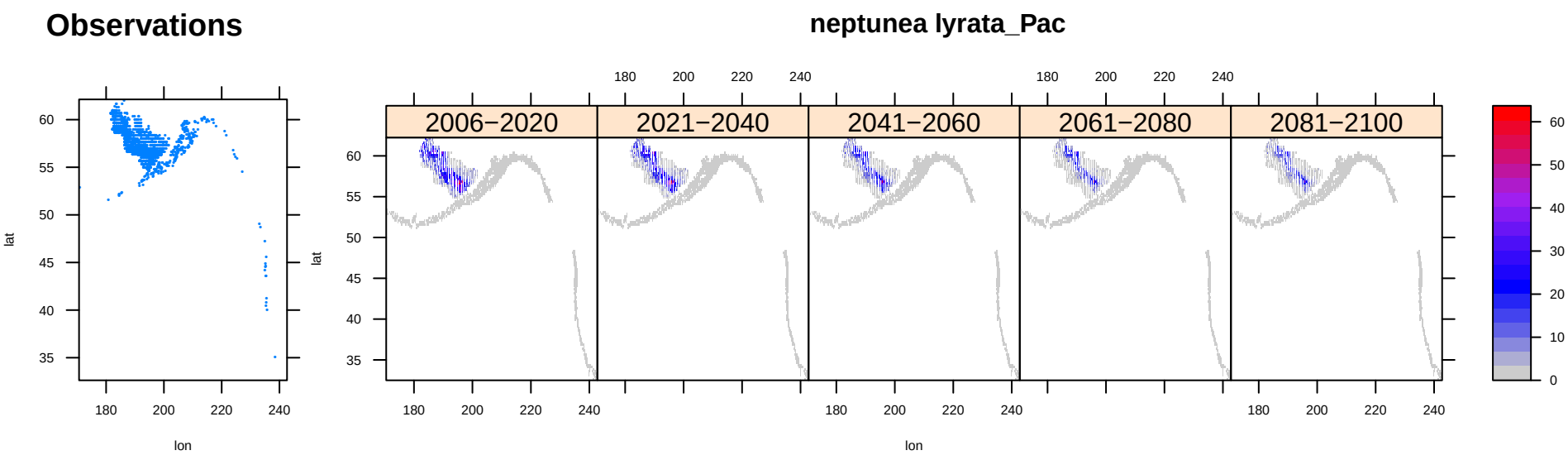
Observations
neptunea lyrata_Pac
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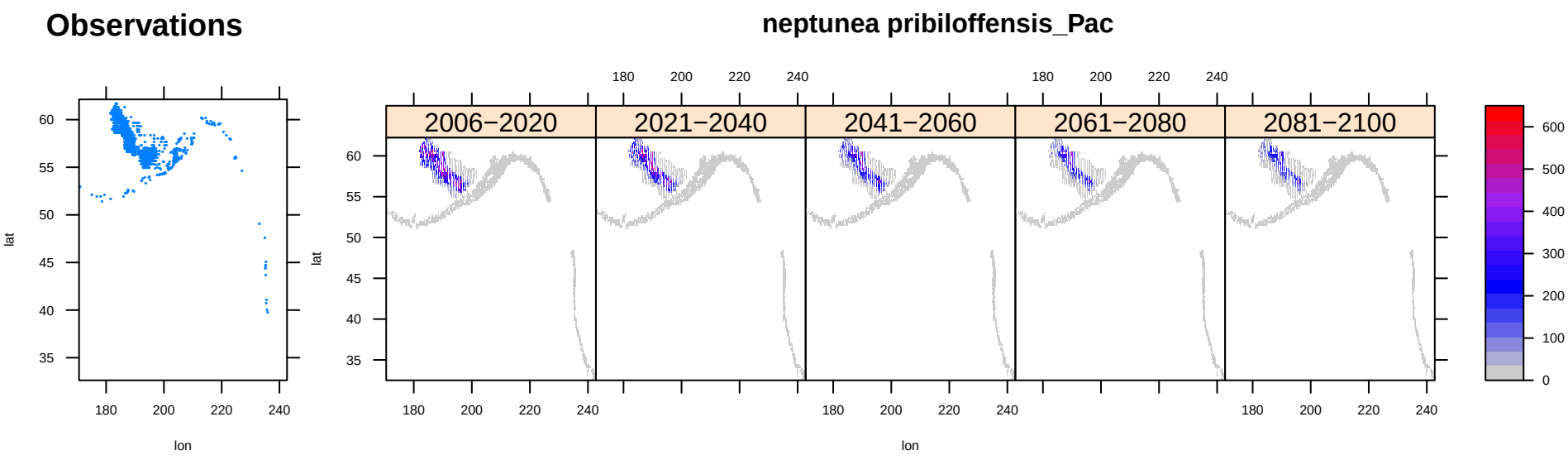
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neptunea pribiloffensis_Pac
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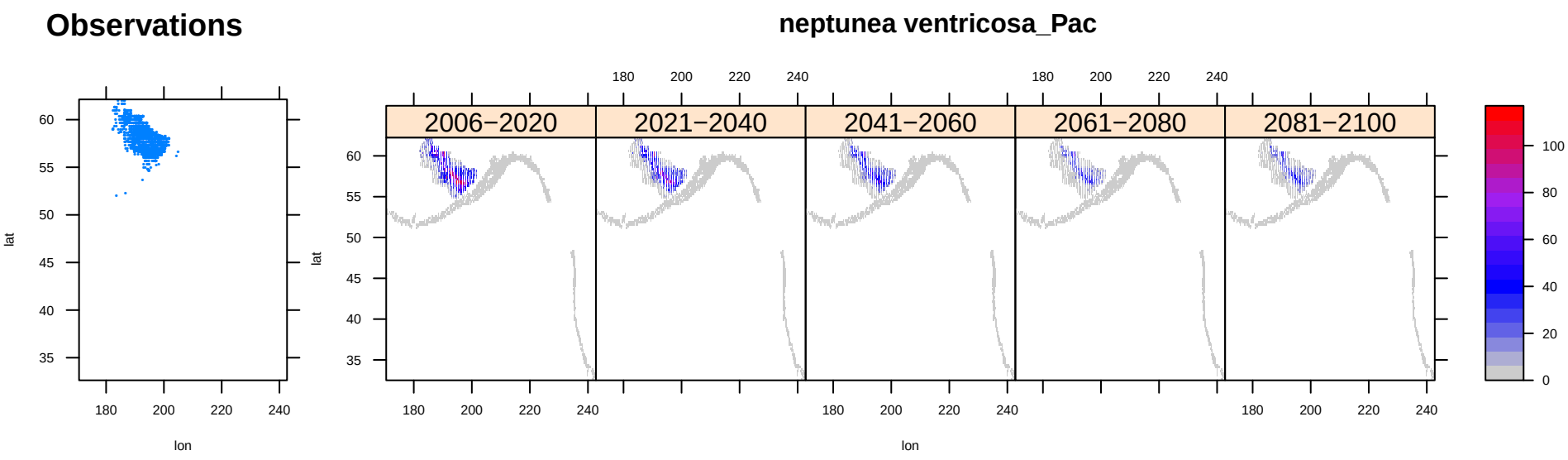
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neptunea ventricosa_Pac
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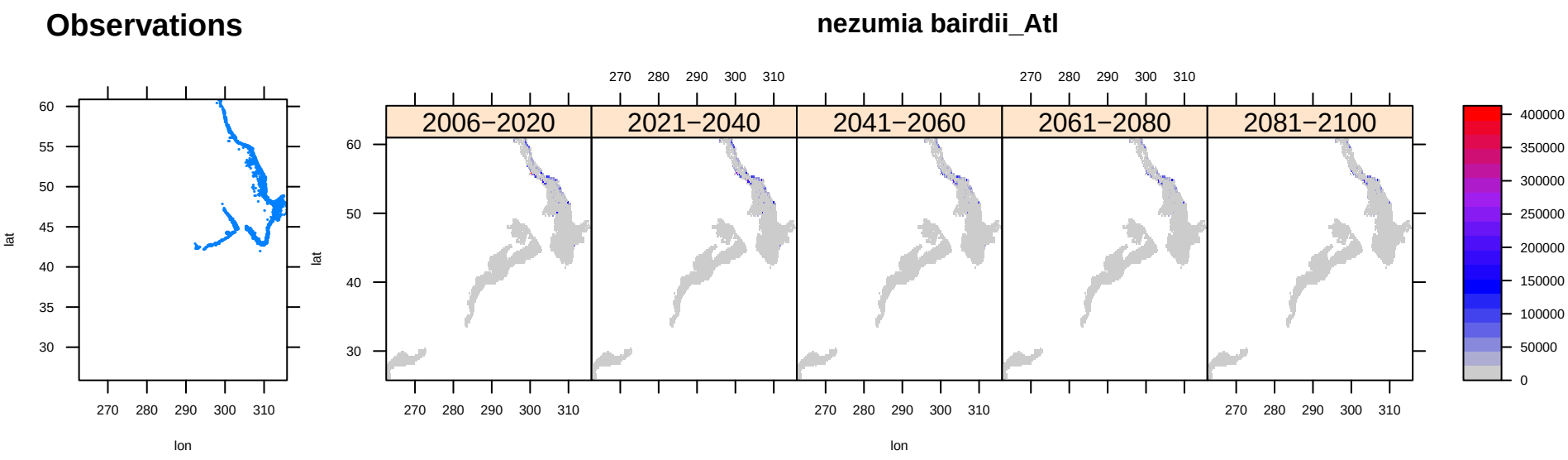
Observations
nezumia bairdii_Atl
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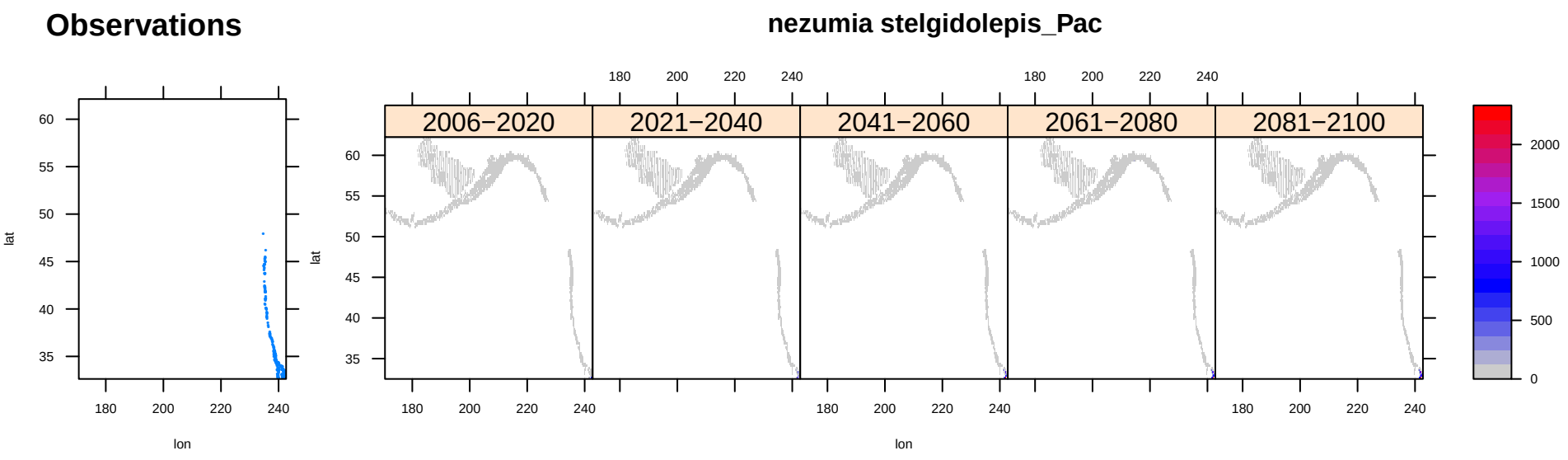
Observations
nezumia stelgidolepis_Pac
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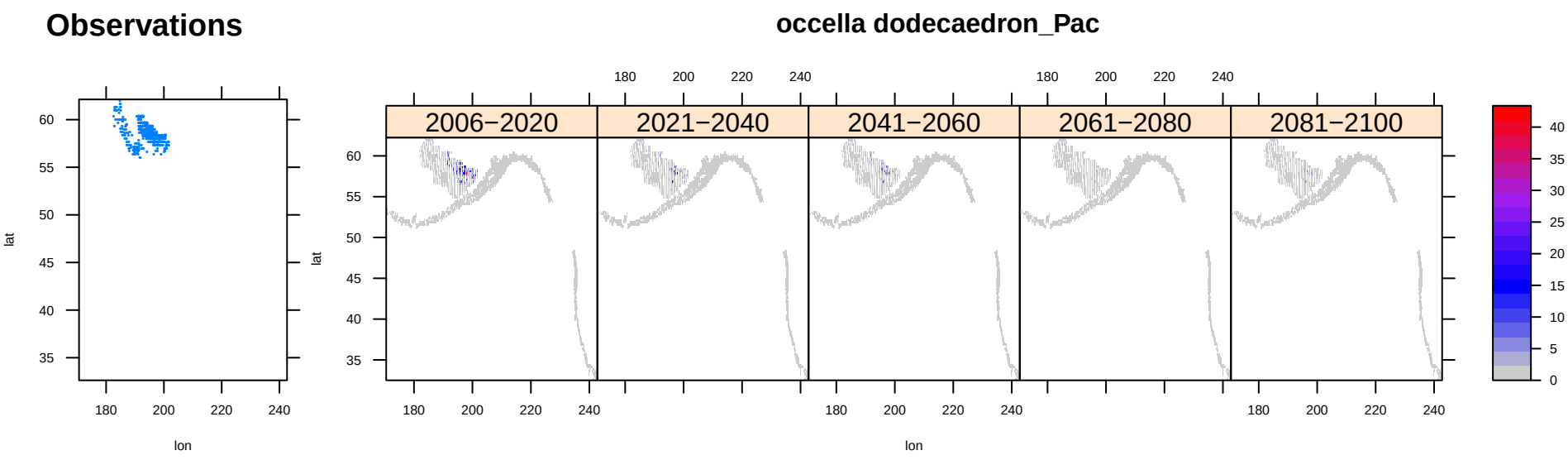
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occella dodecaedron_Pac
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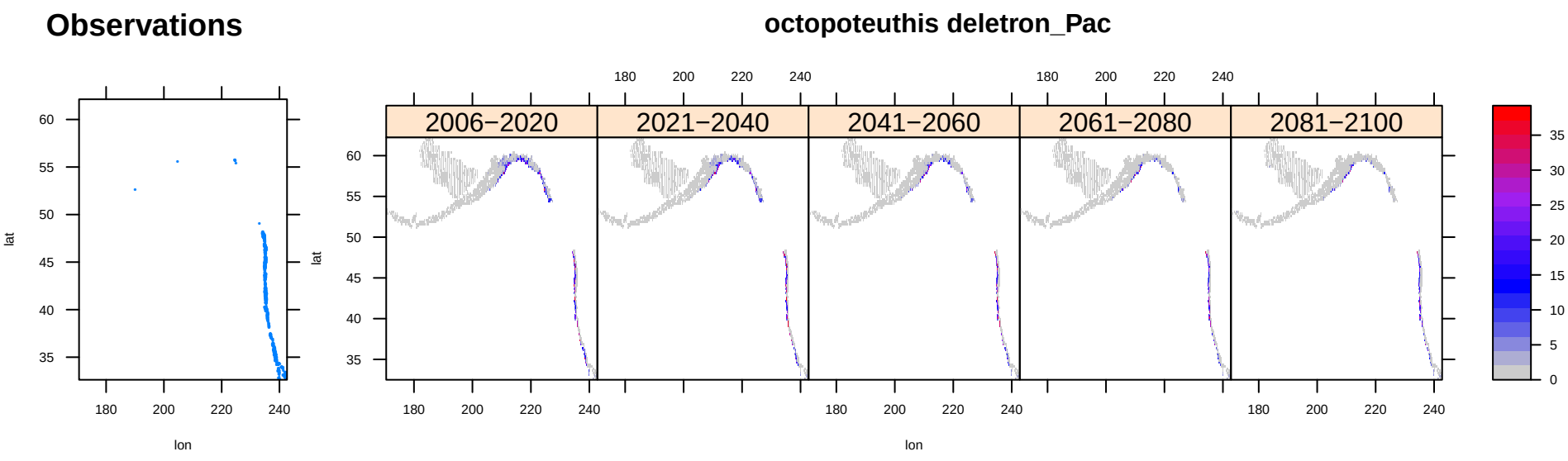
Observations
octopoteuthis deletron_Pac
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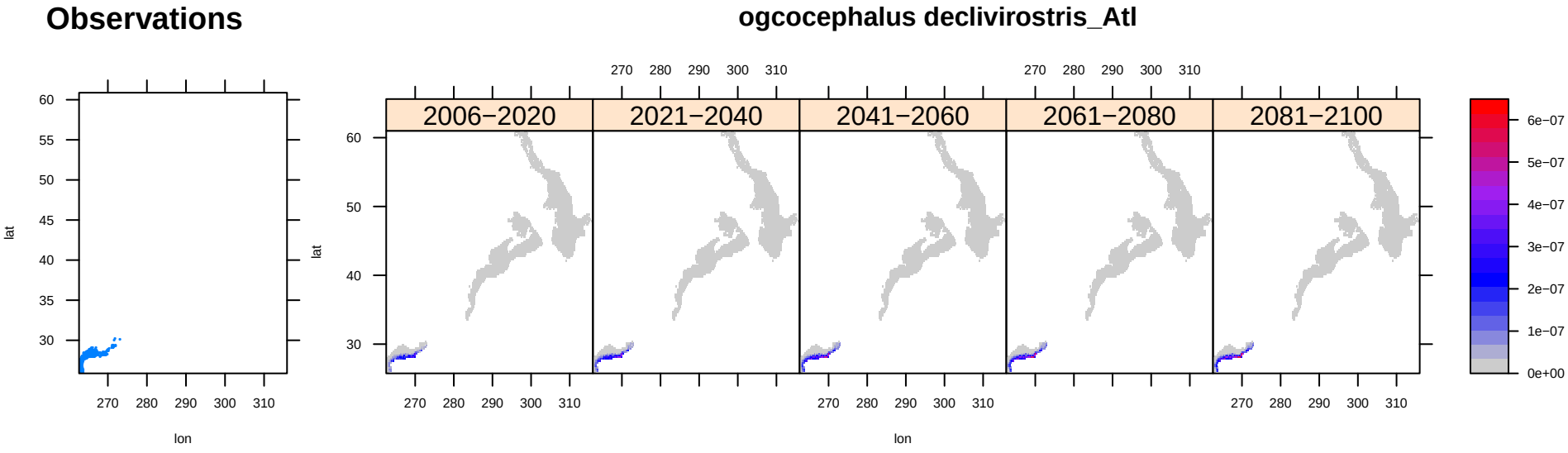
Observations
ogcocephalus declivirostris_Atl
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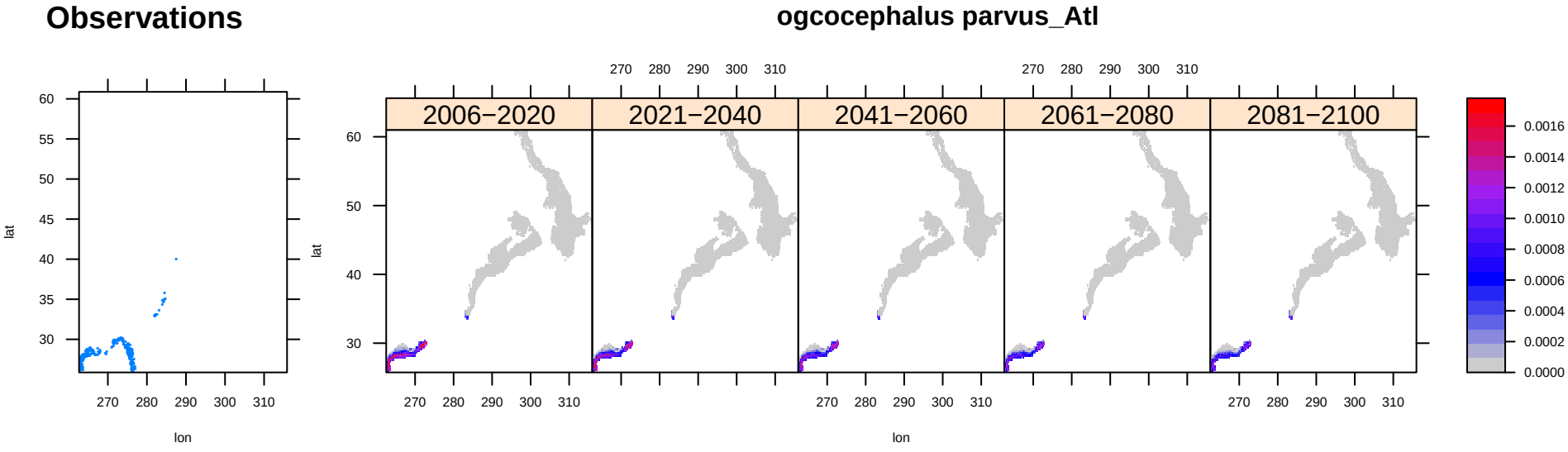
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ogcocephalus parvus_Atl
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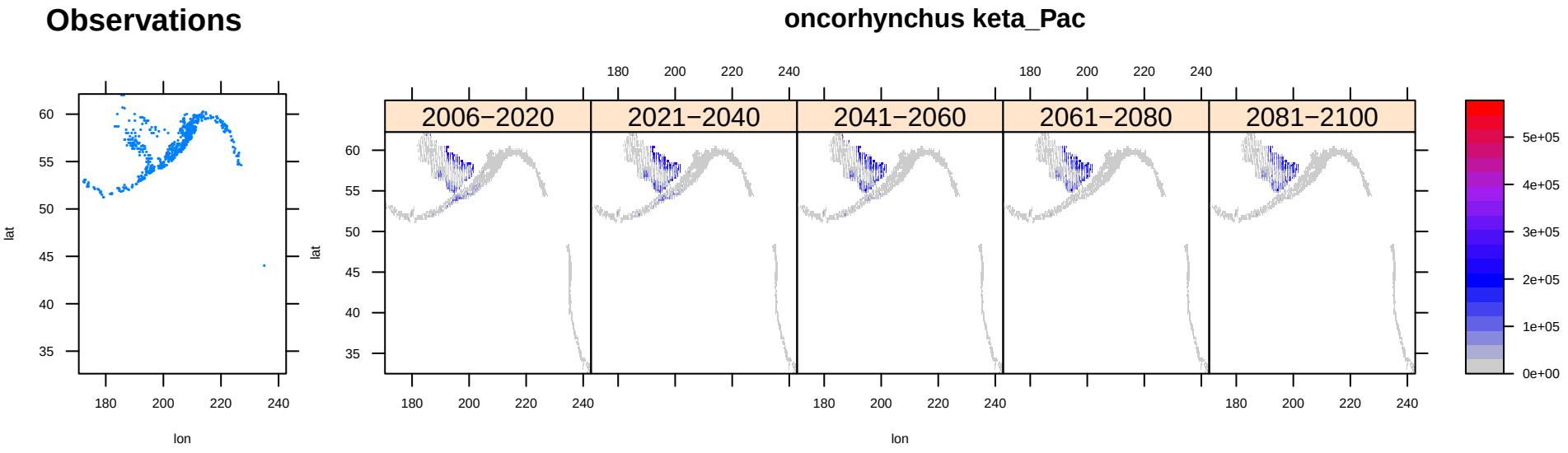
Observations
oncorhynchus keta_Pac
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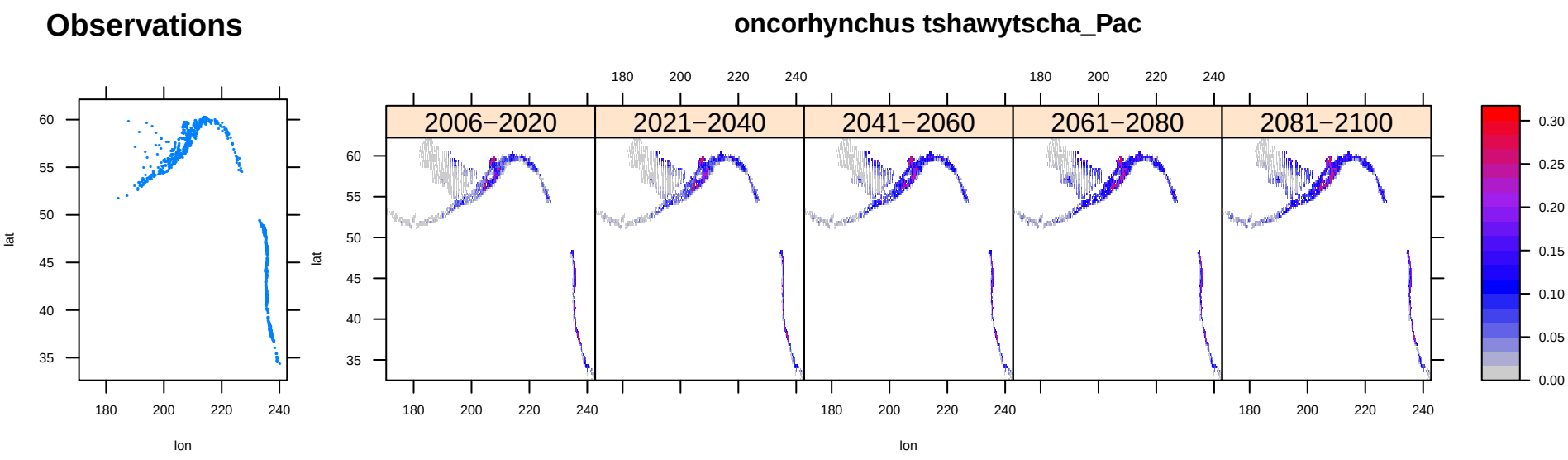
Observations
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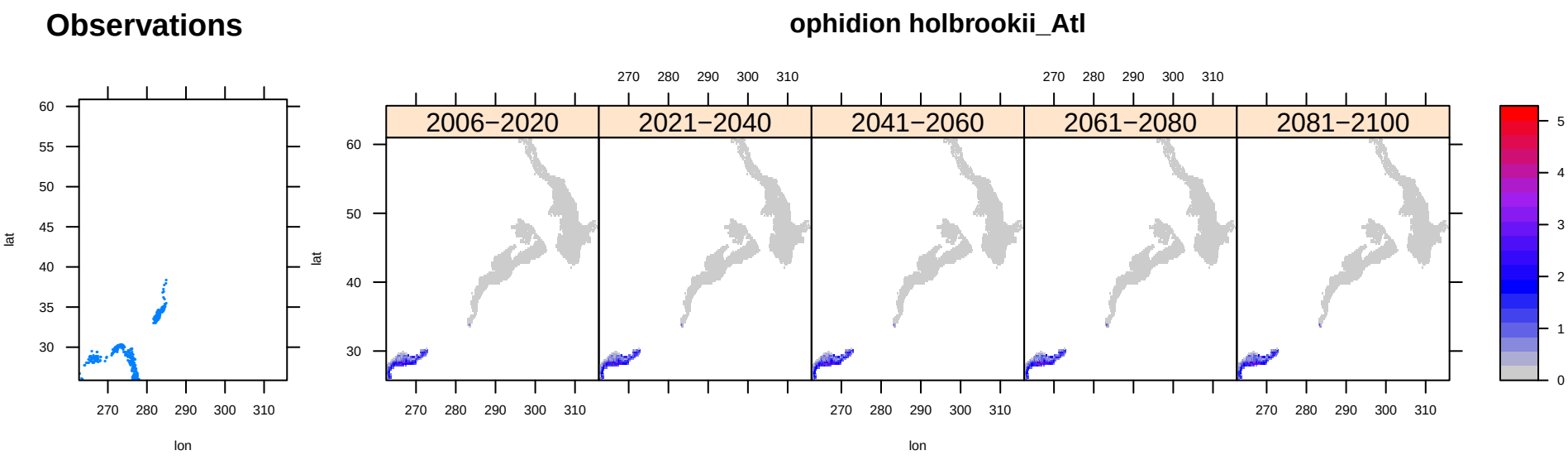
Observations
ophidion holbrookii_Atl
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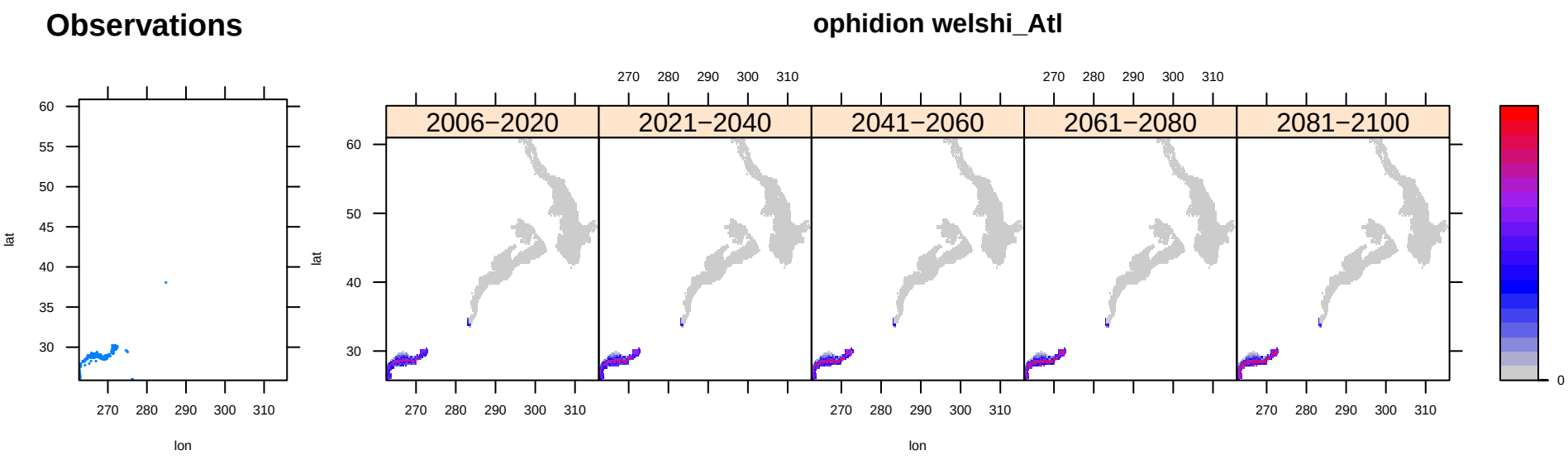
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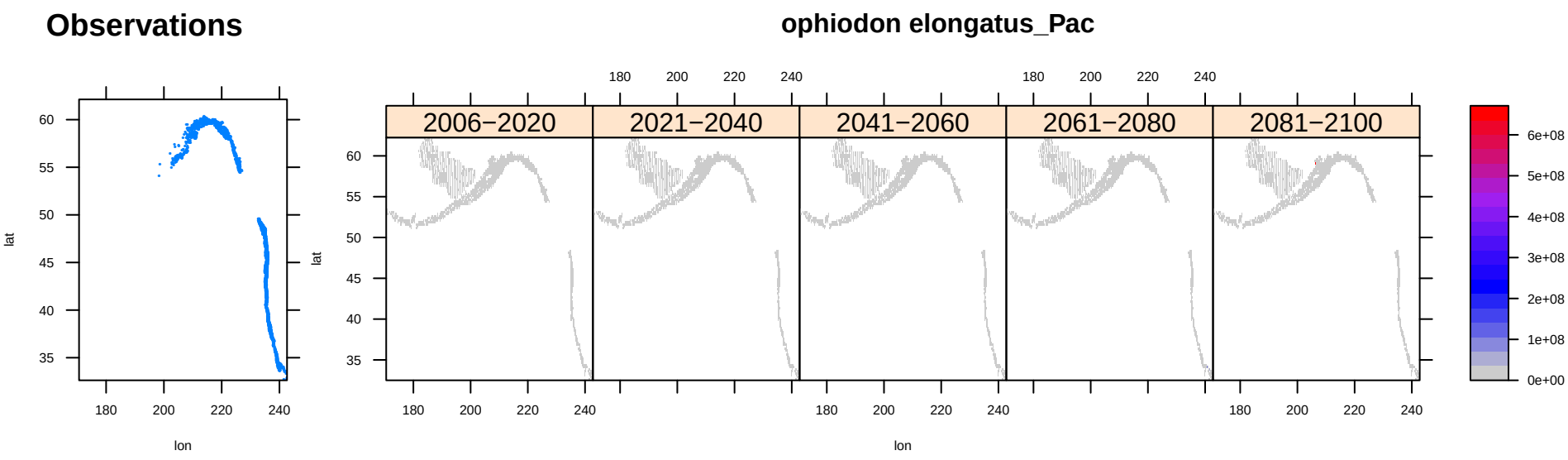
Observations
ophiodon elongatus_Pac
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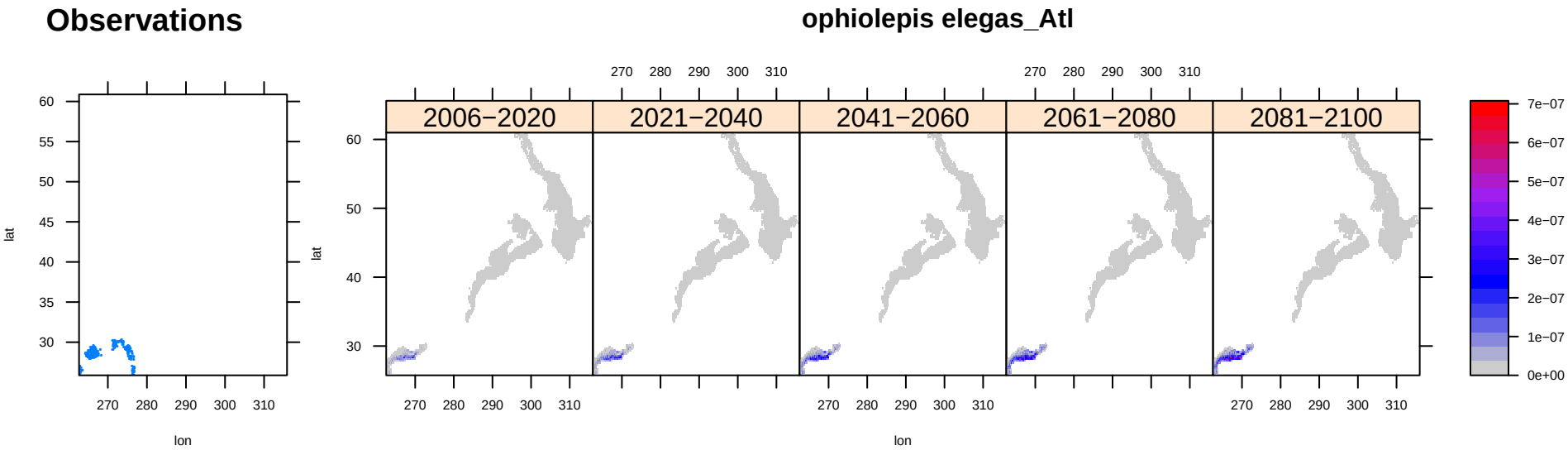
Observations
ophiolepis elegas_Atl
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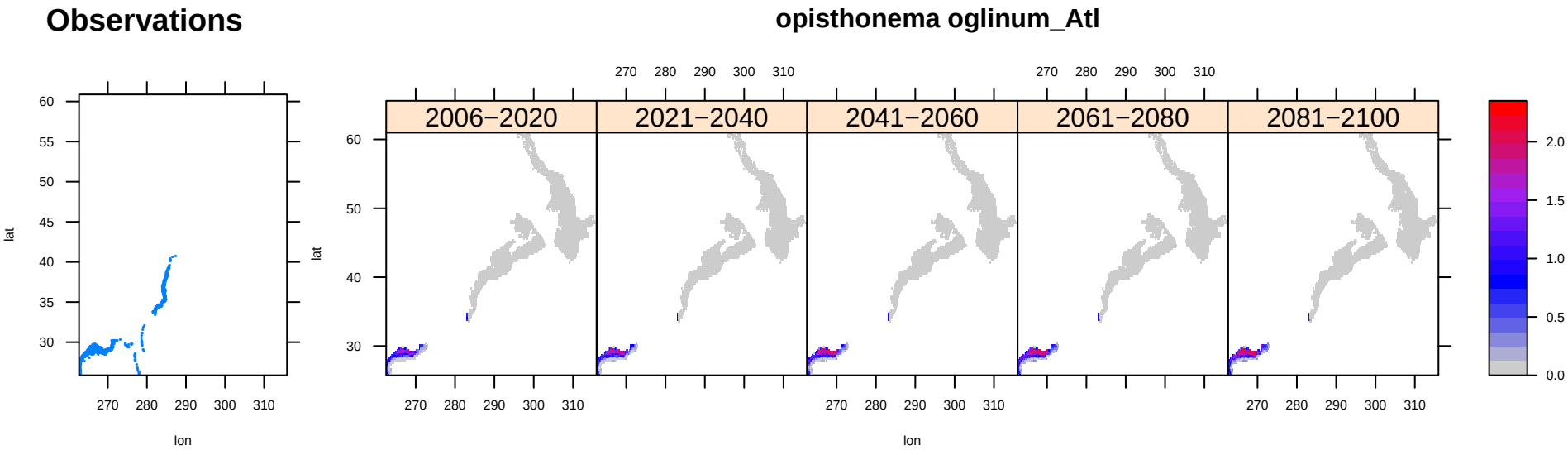
Observations
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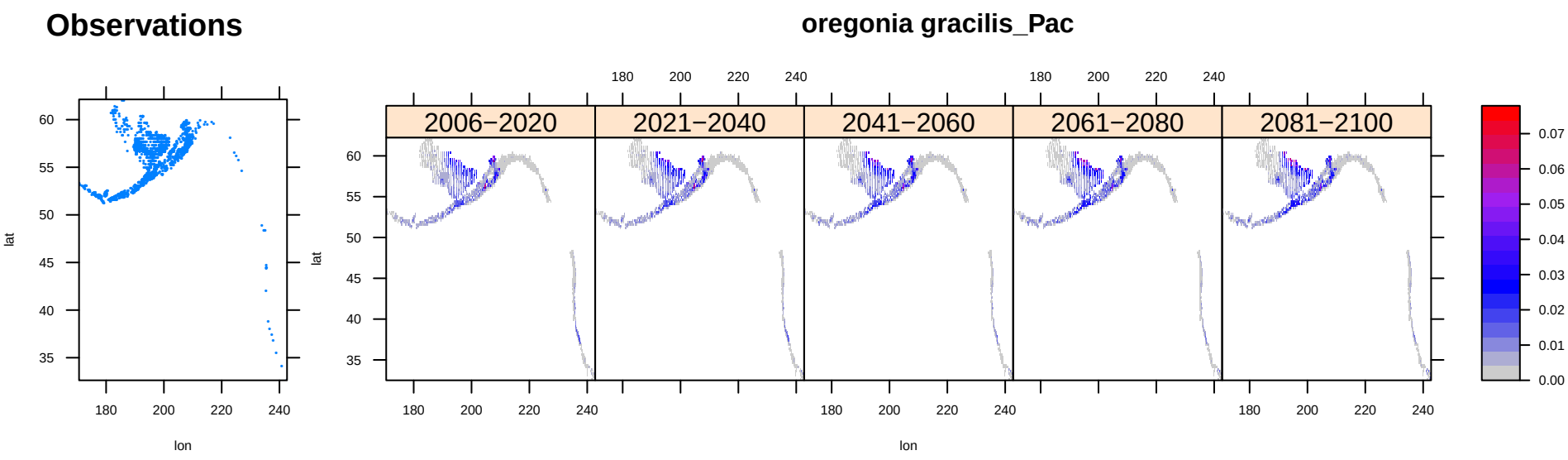
Observations
oregonia gracilis_Pac
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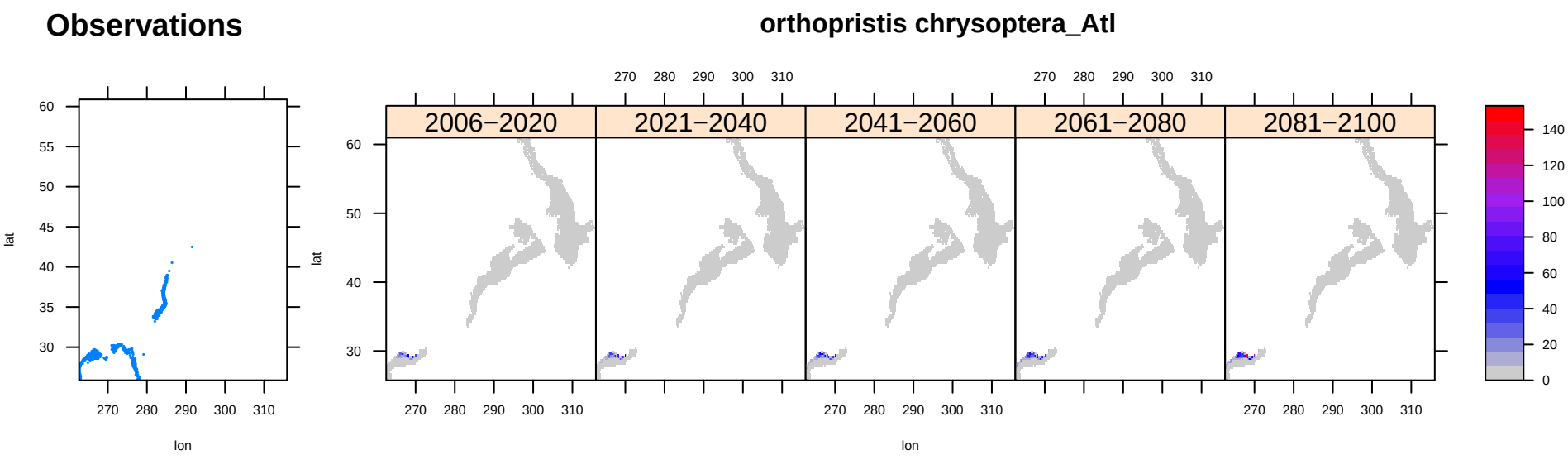
Observations
orthopristis chrysoptera_Atl
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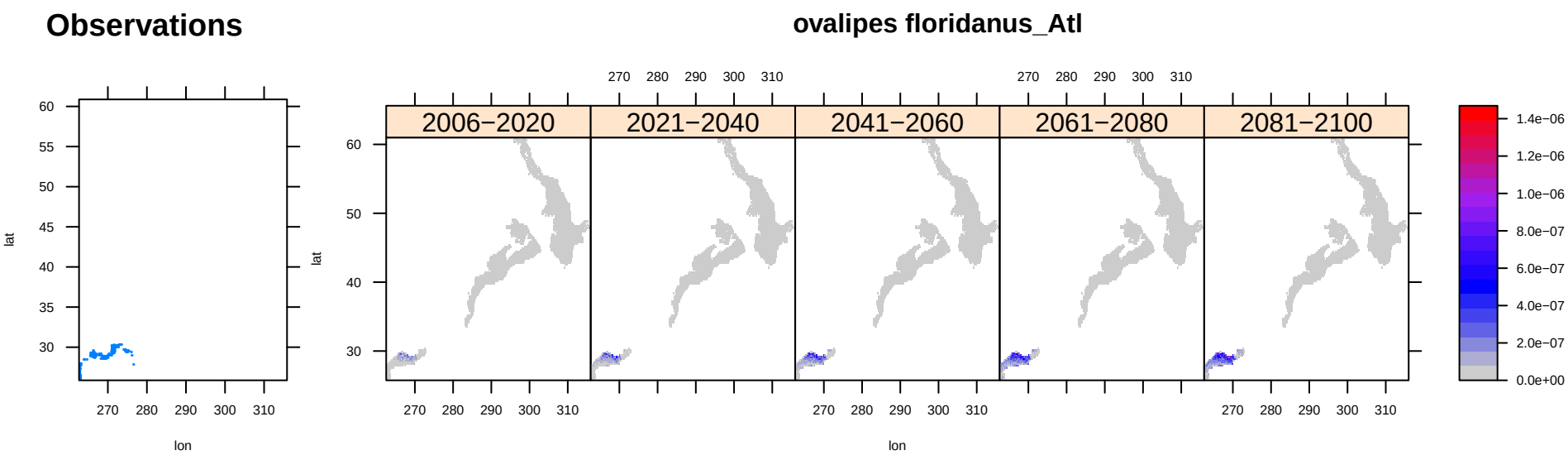
Observations
ovalipes floridanus_Atl
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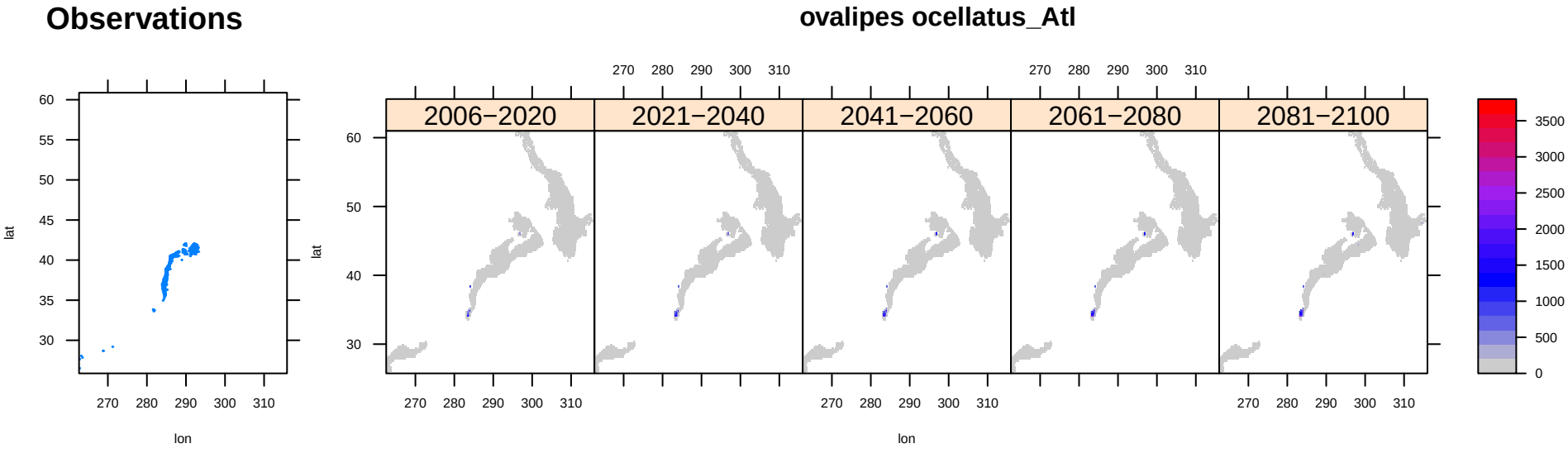
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ovalipes ocellatus_Atl
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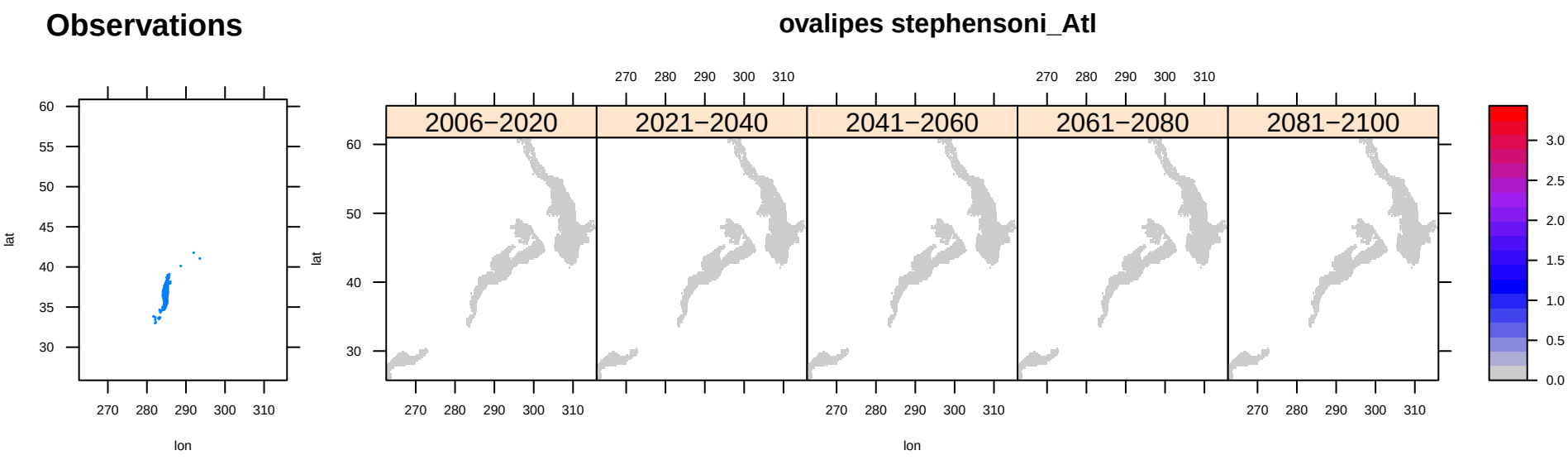
Observations
ovalipes stephensoni_Atl
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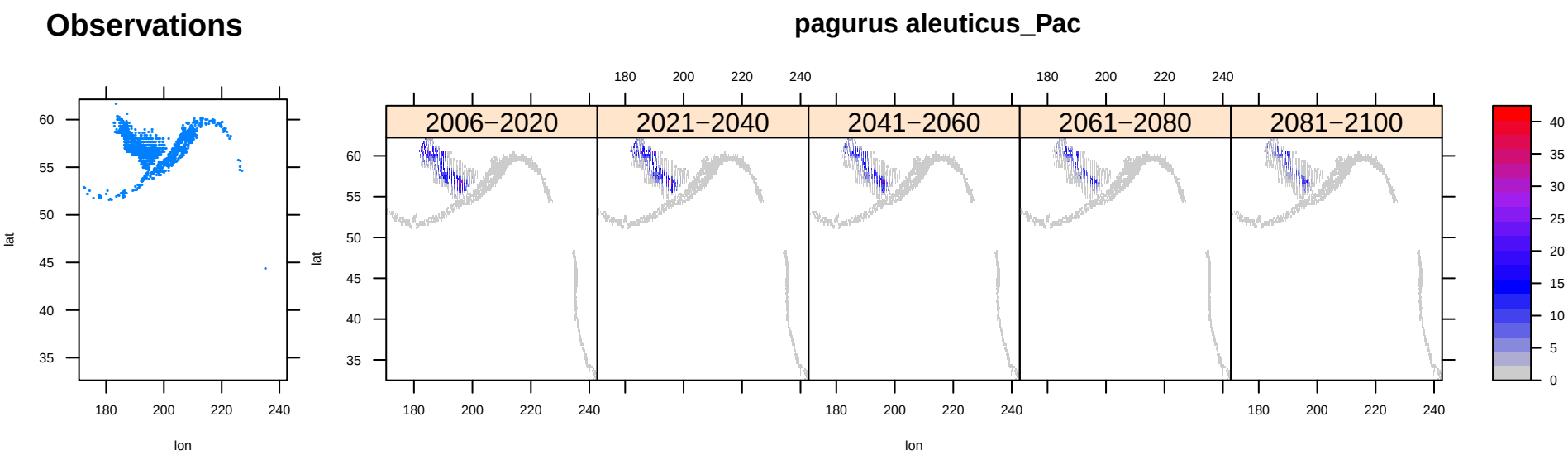
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pagurus aleuticus_Pac
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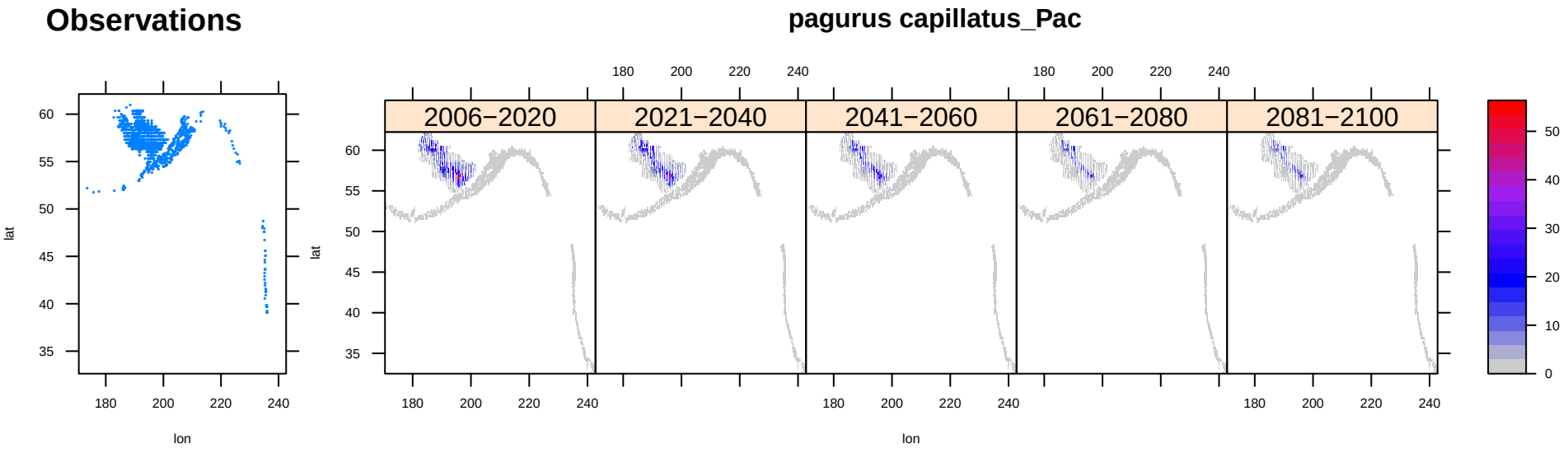
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pagurus capillatus_Pac
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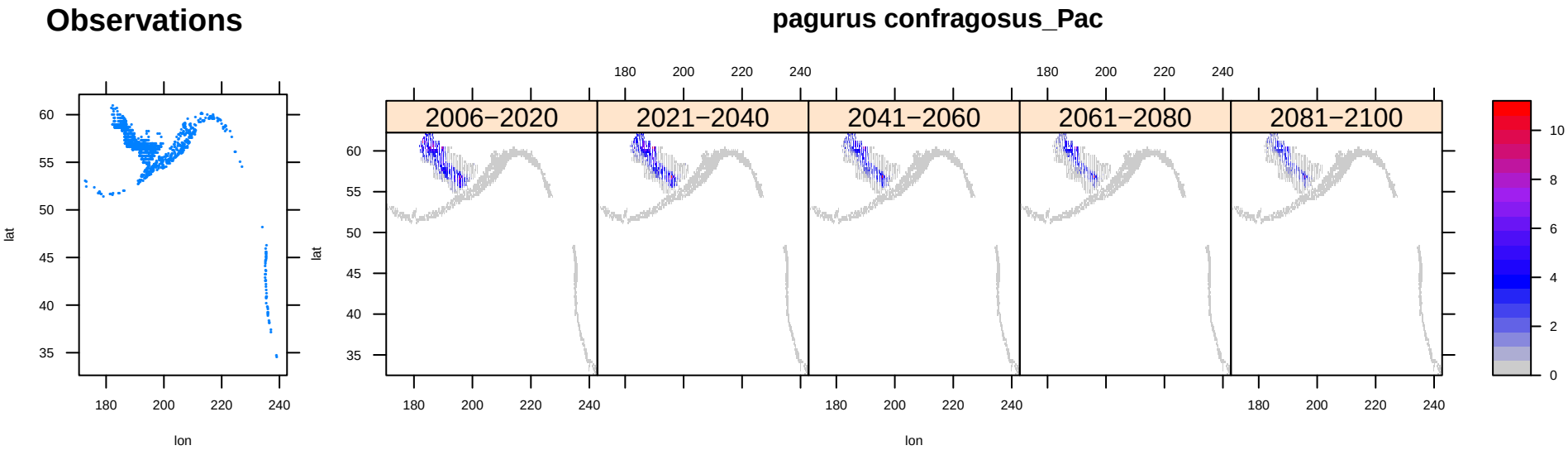
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pagurus confragosus_Pac
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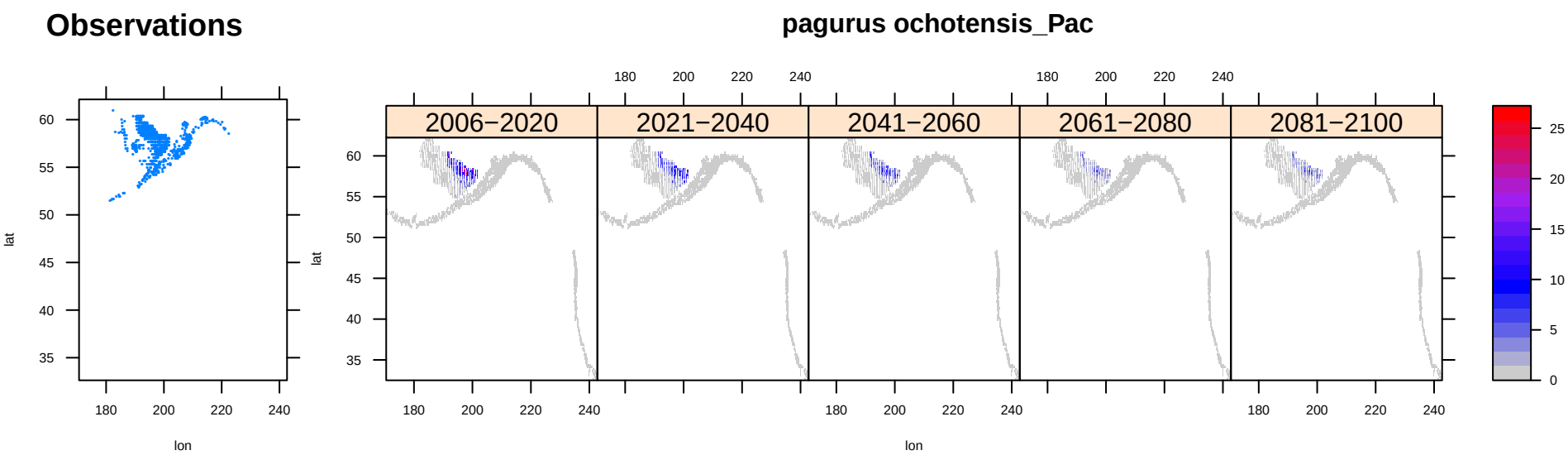
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pagurus ochotensis_Pac
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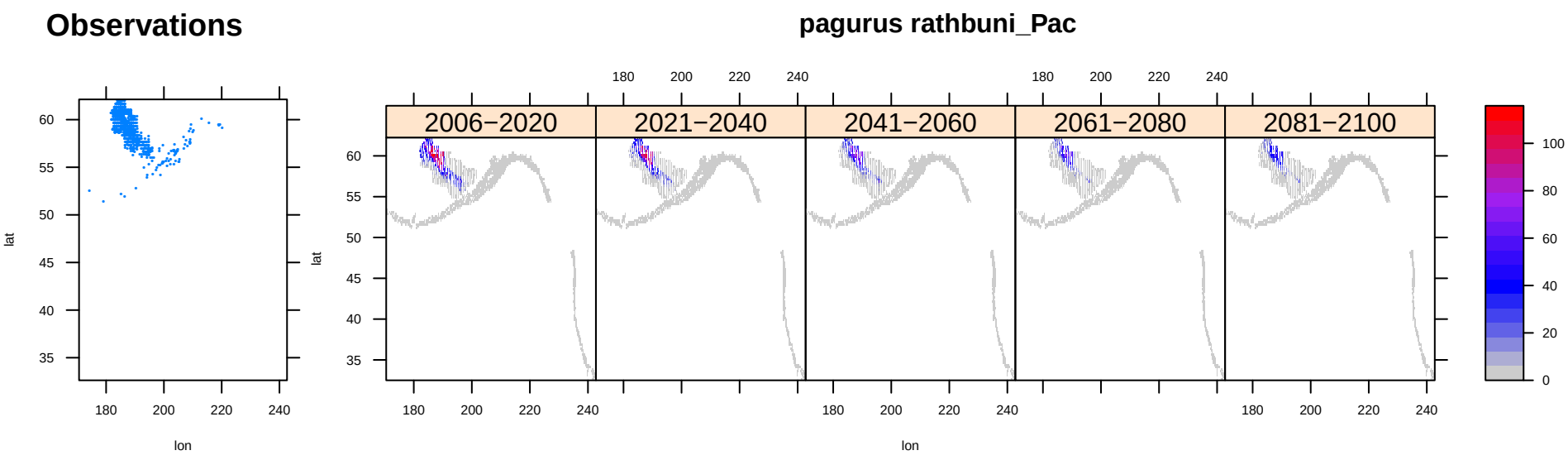
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pagurus rathbuni_Pac
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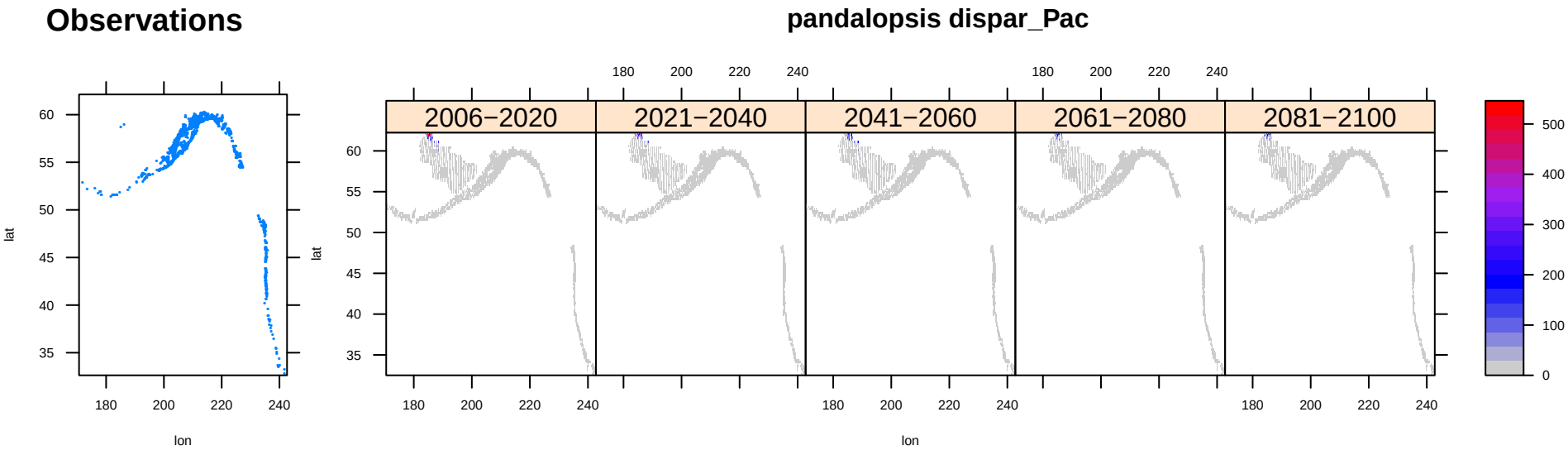
Observations
pandalopsis dispar_Pac
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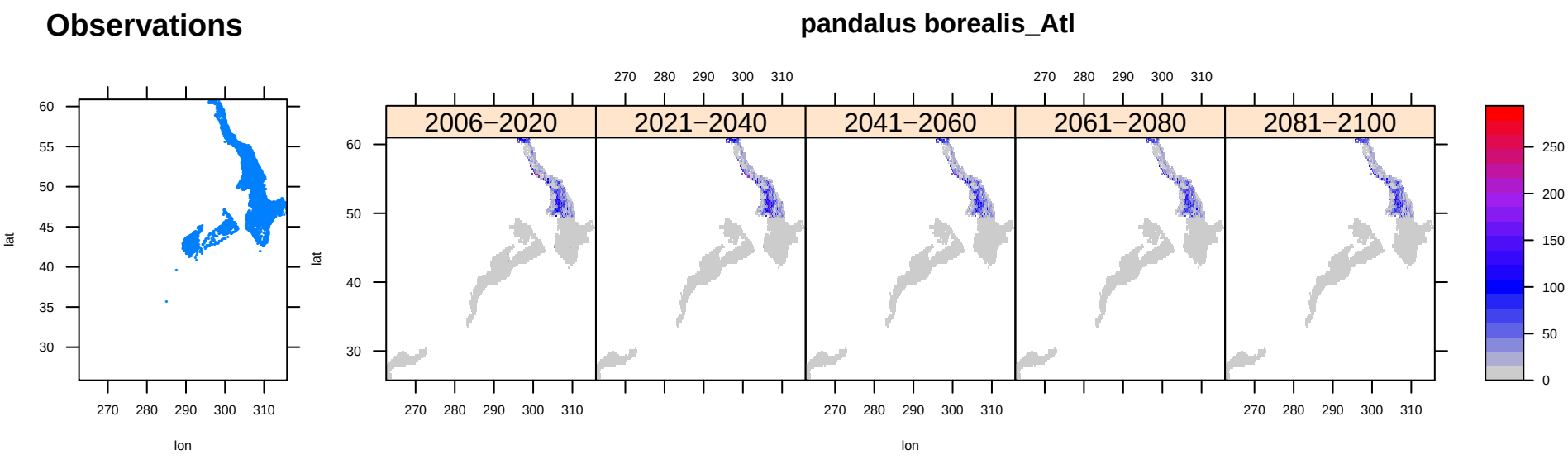
Observations
pandalus borealis_Atl
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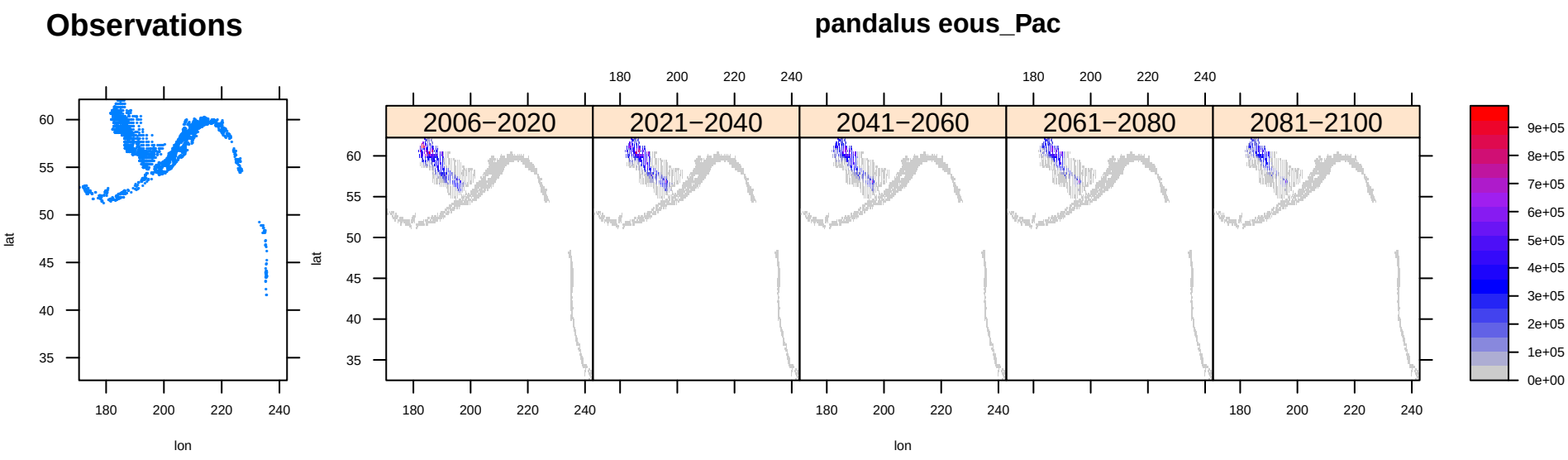
Observations
pandalus eous_Pac
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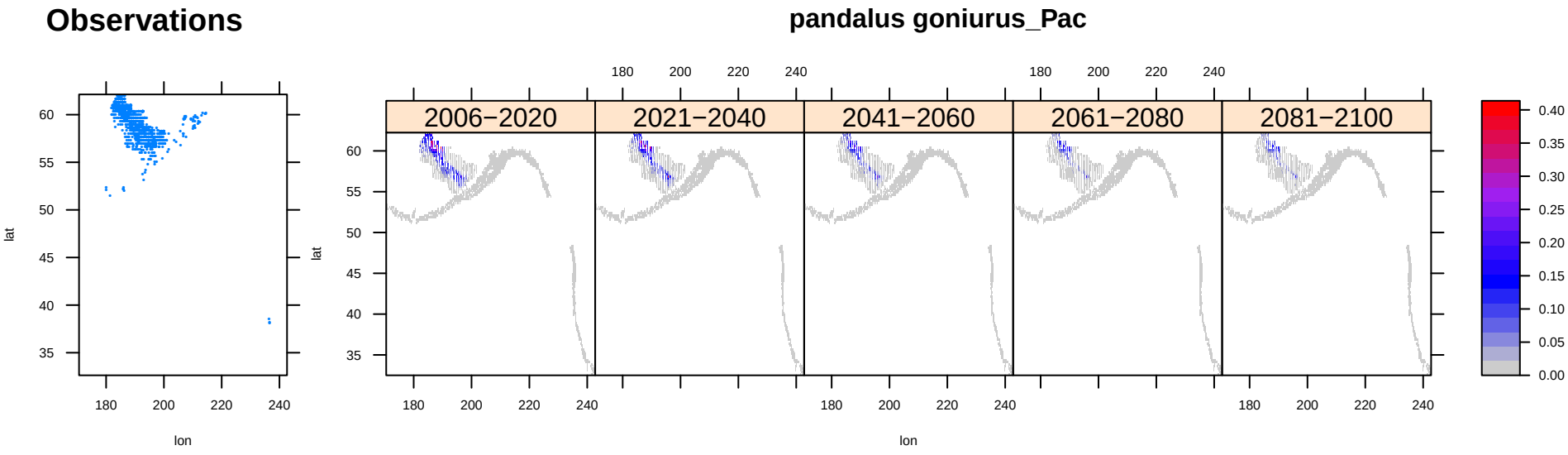
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pandalus goniurus_Pac
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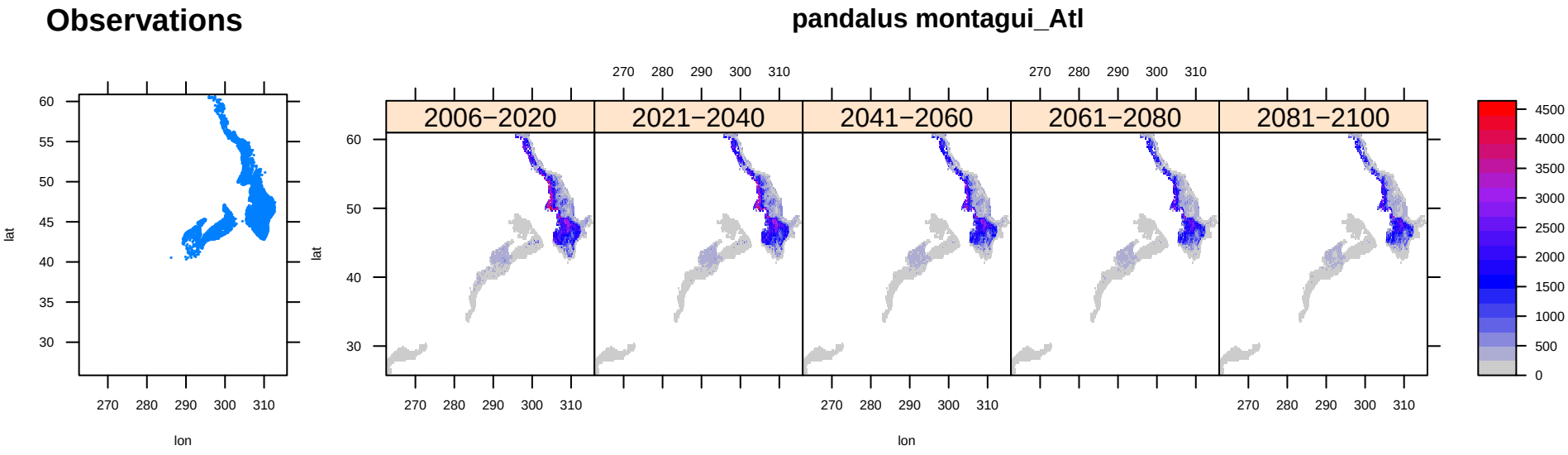
Observations
pandalus montagui_Atl
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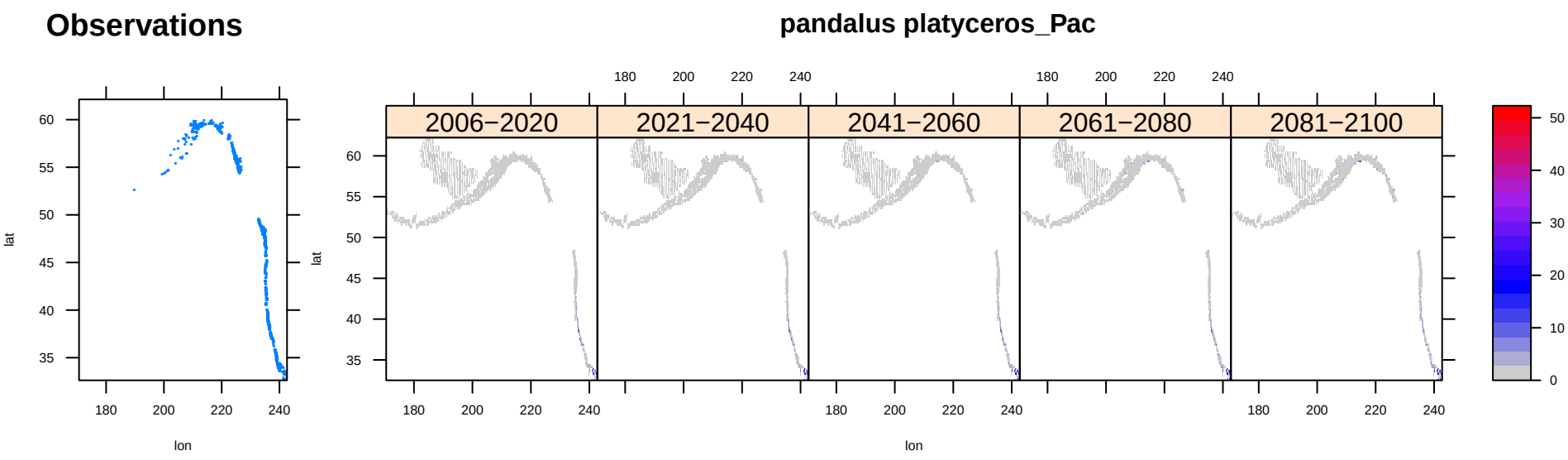
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pandalus platyceros_Pac
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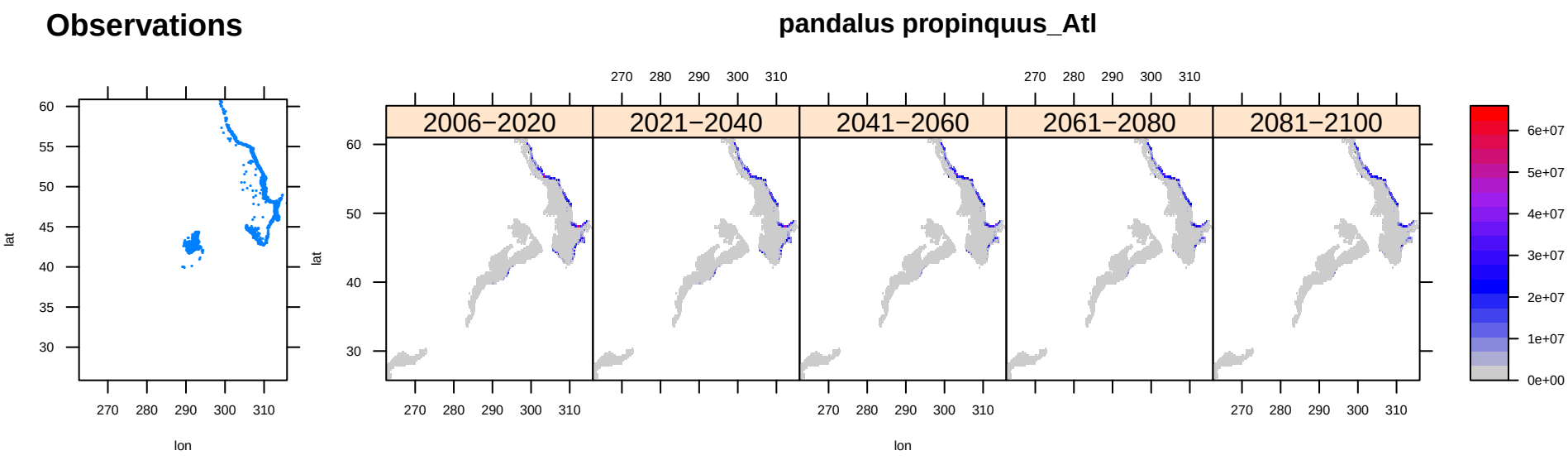
Observations
pandalus propinquus_Atl
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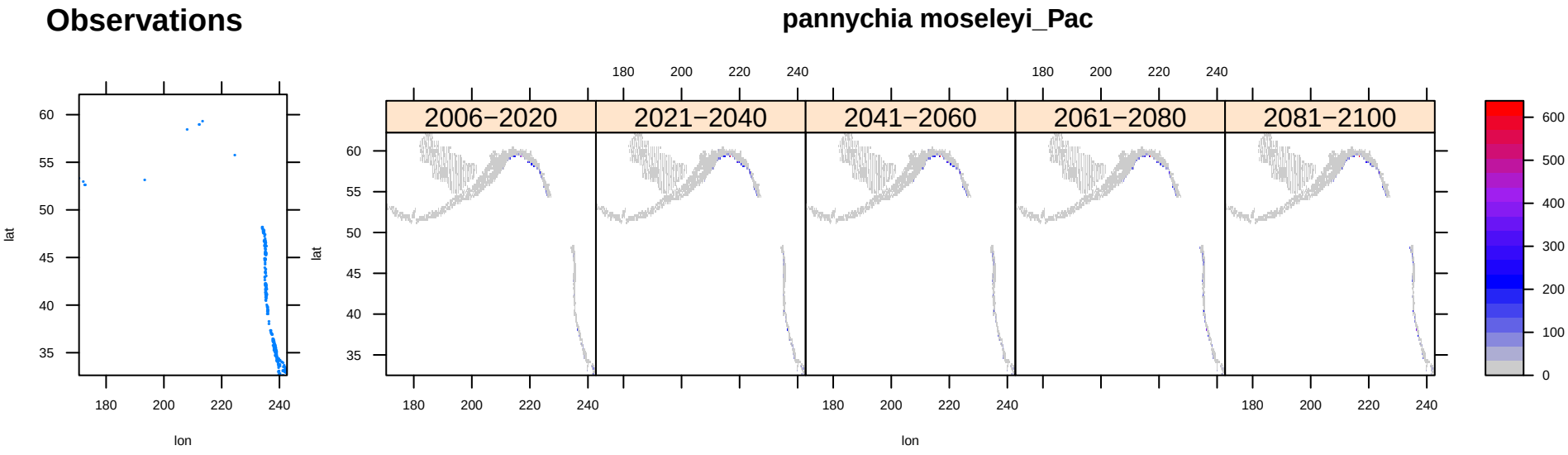
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pannychia moseleyi_Pac
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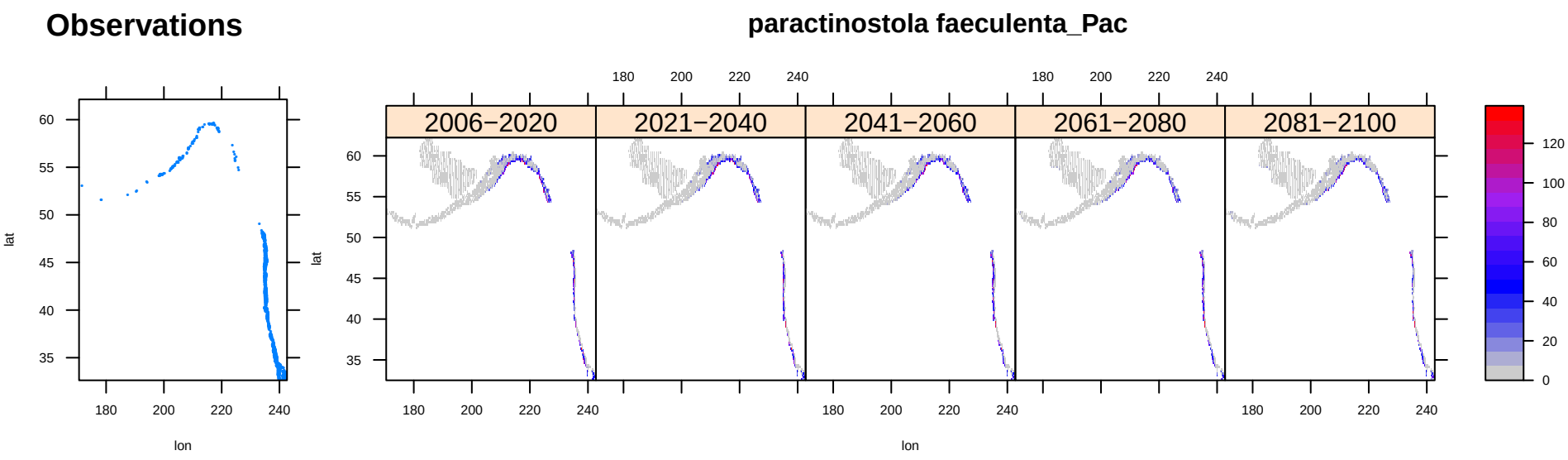
Observations
paractinostola faeculenta_Pac
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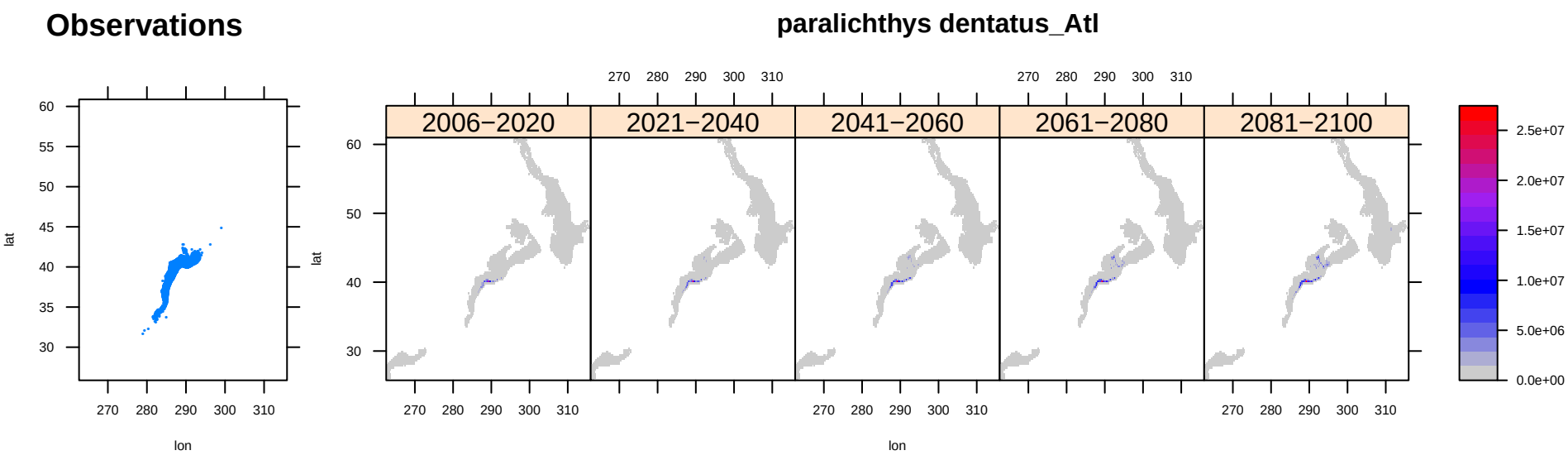
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paralichthys dentatus_Atl
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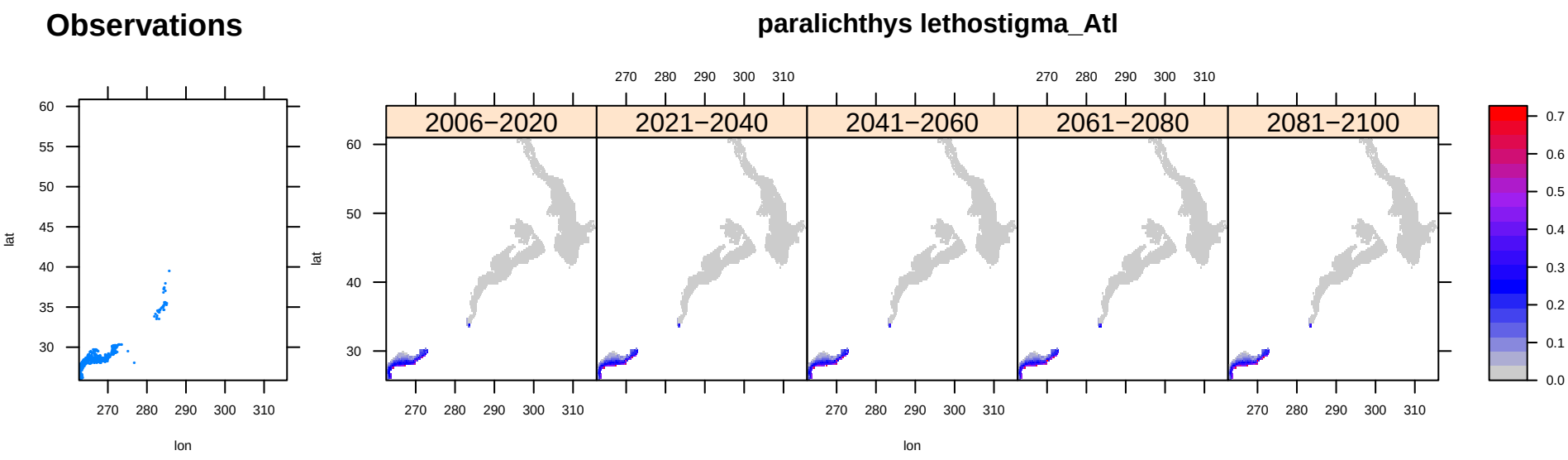
Observations
paralichthys lethostigma_Atl
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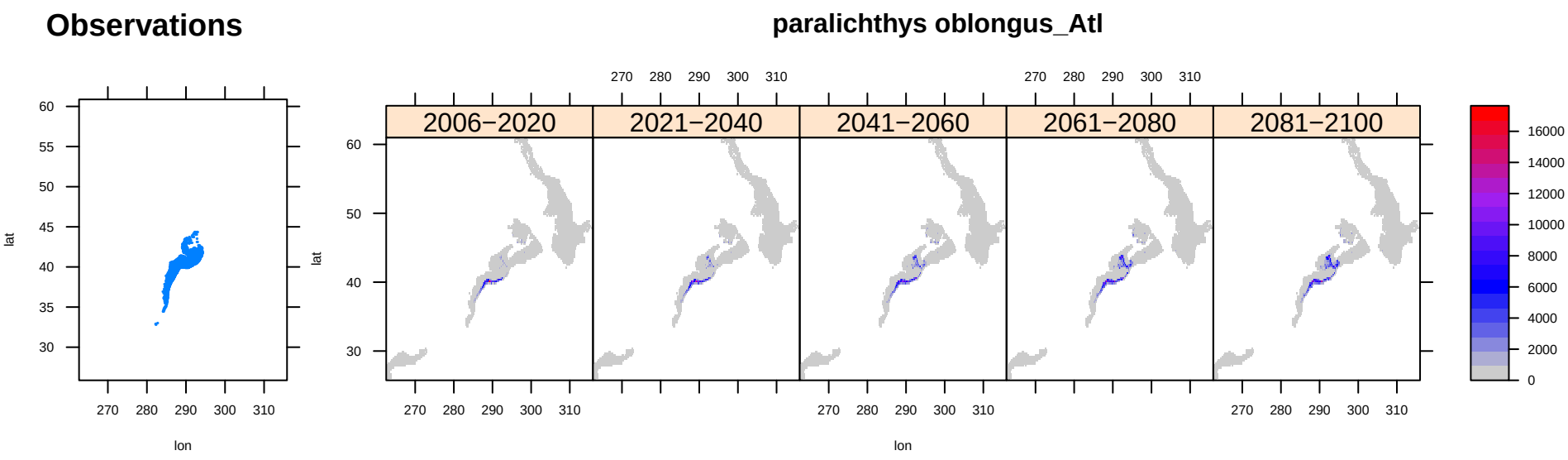
Observations
paralichthys oblongus_Atl
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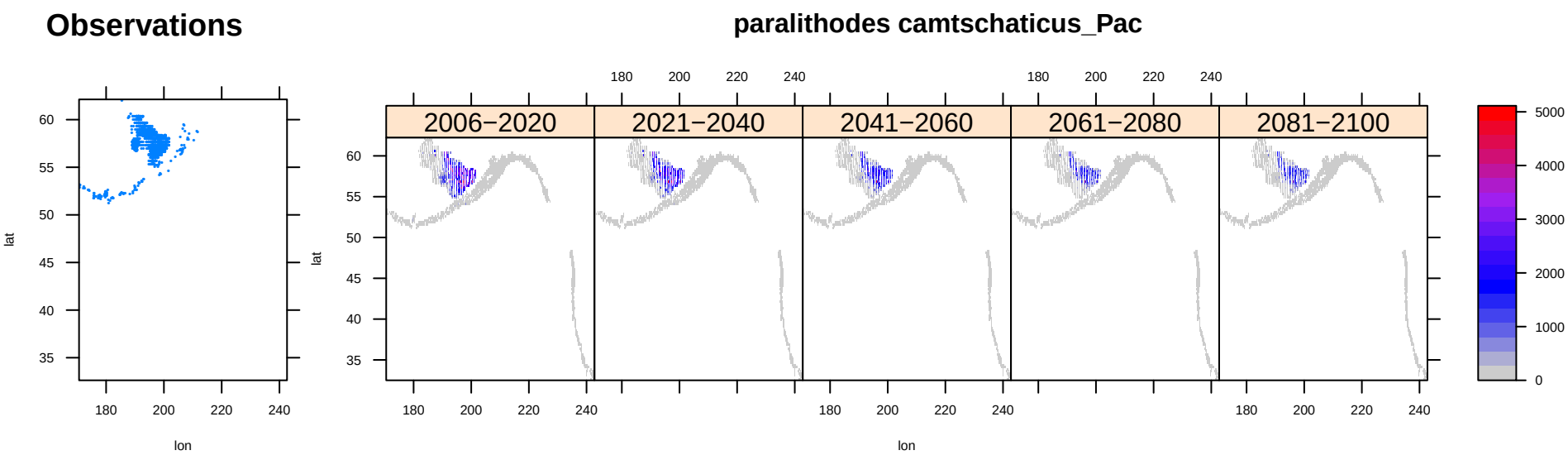
Observations
paralithodes camtschaticus_Pac
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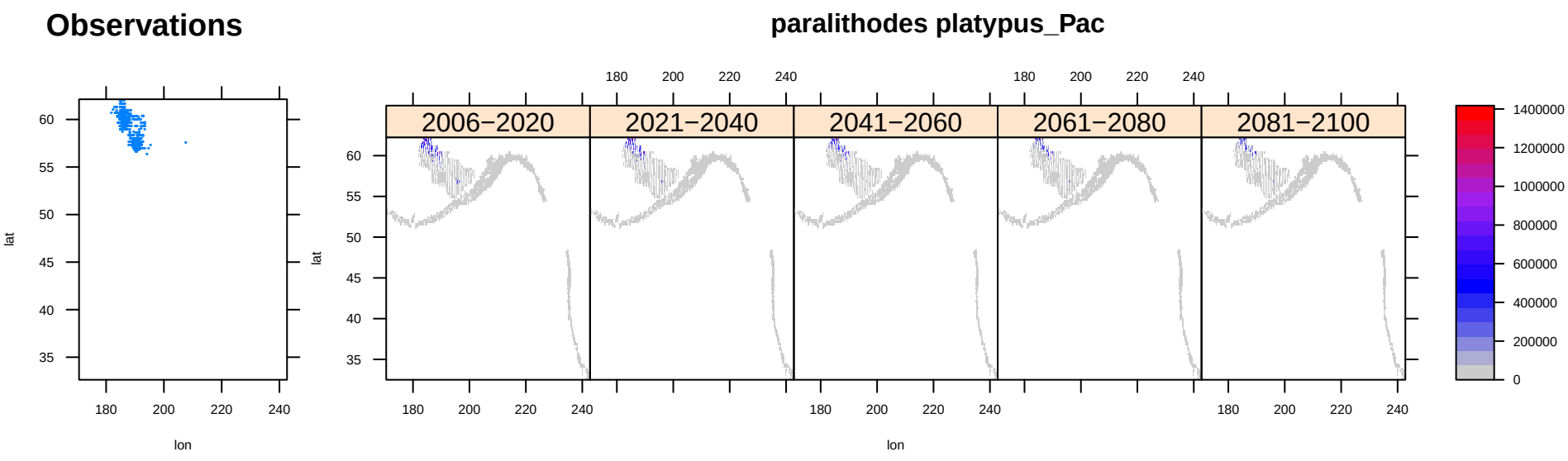
Observations
paralithodes platypus_Pac
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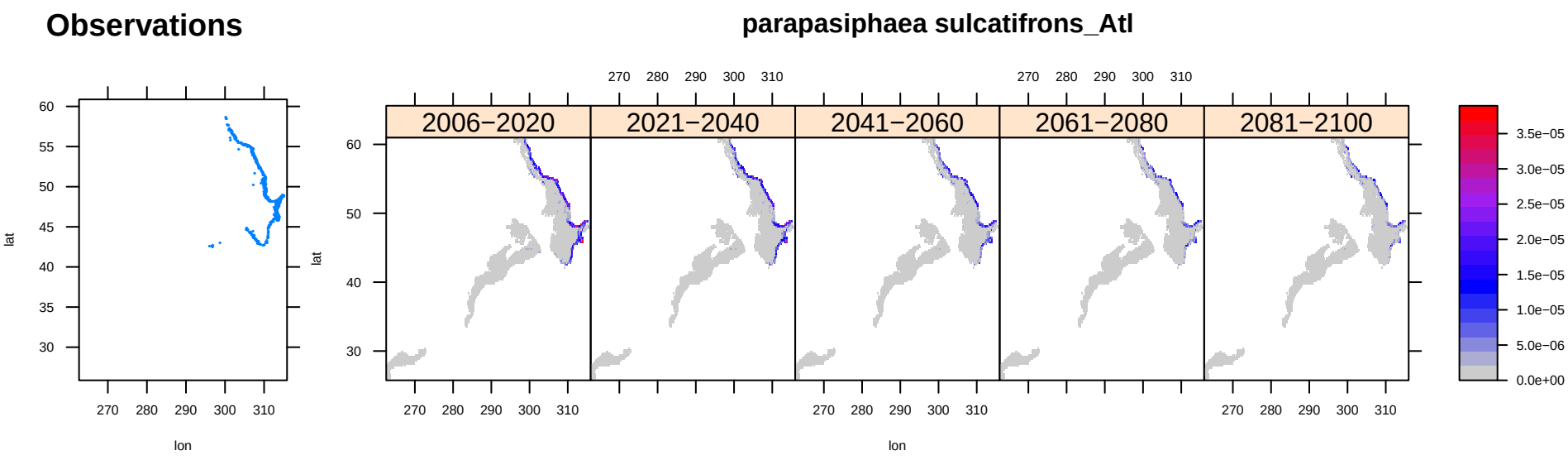
Observations
parapasiphaea sulcatifrons_Atl
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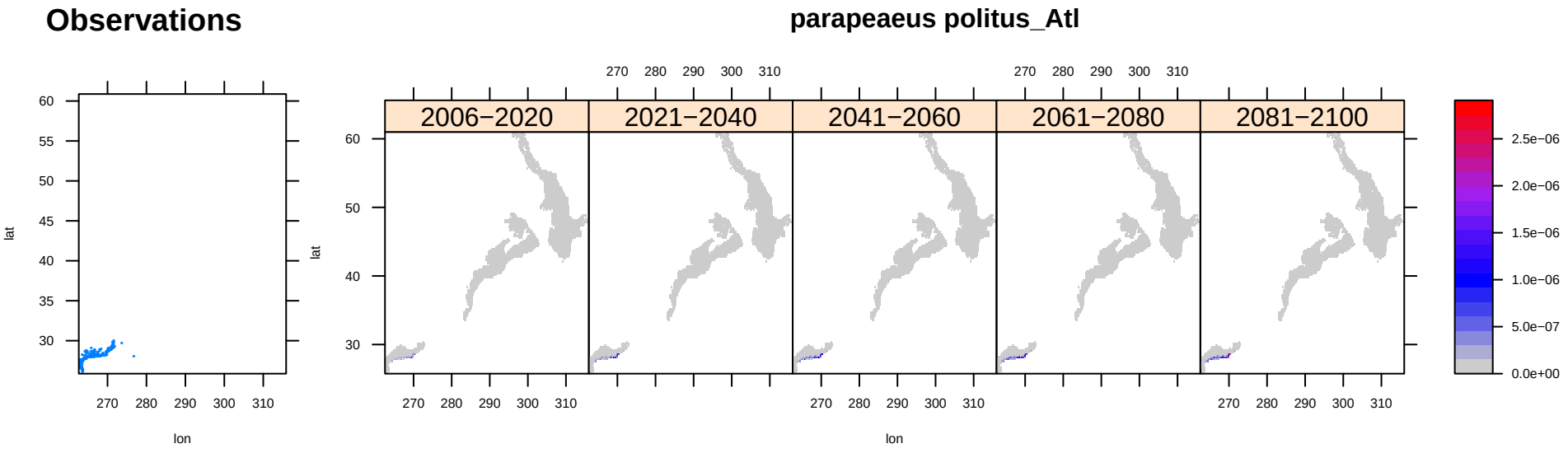
Observations
parapeaeus politus_Atl
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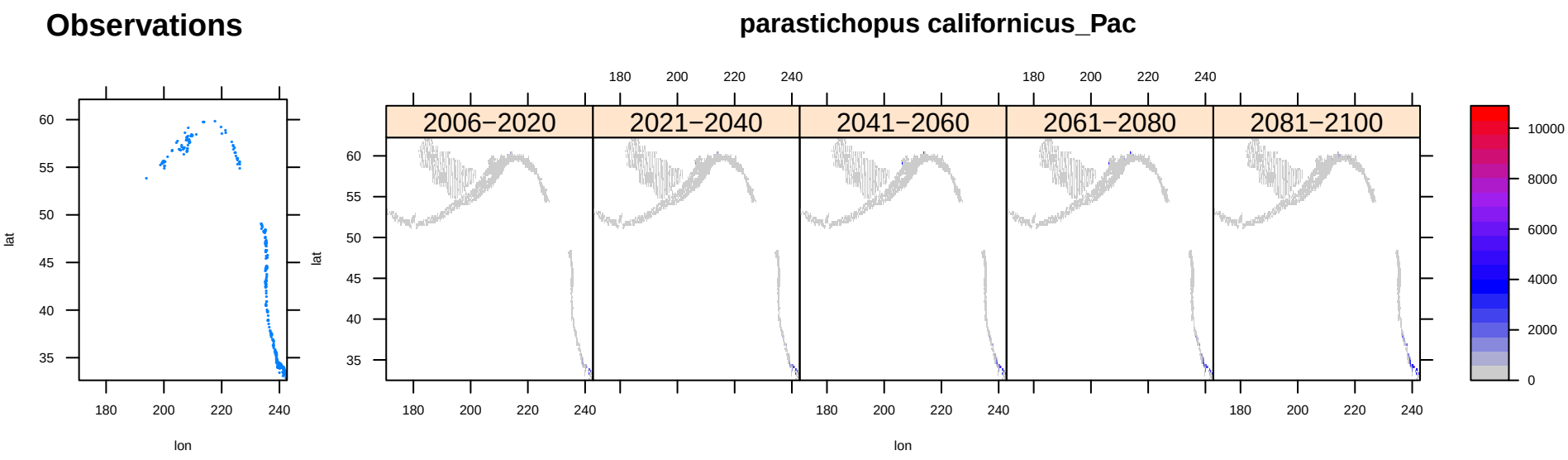
Observations
parastichopus californicus_Pac
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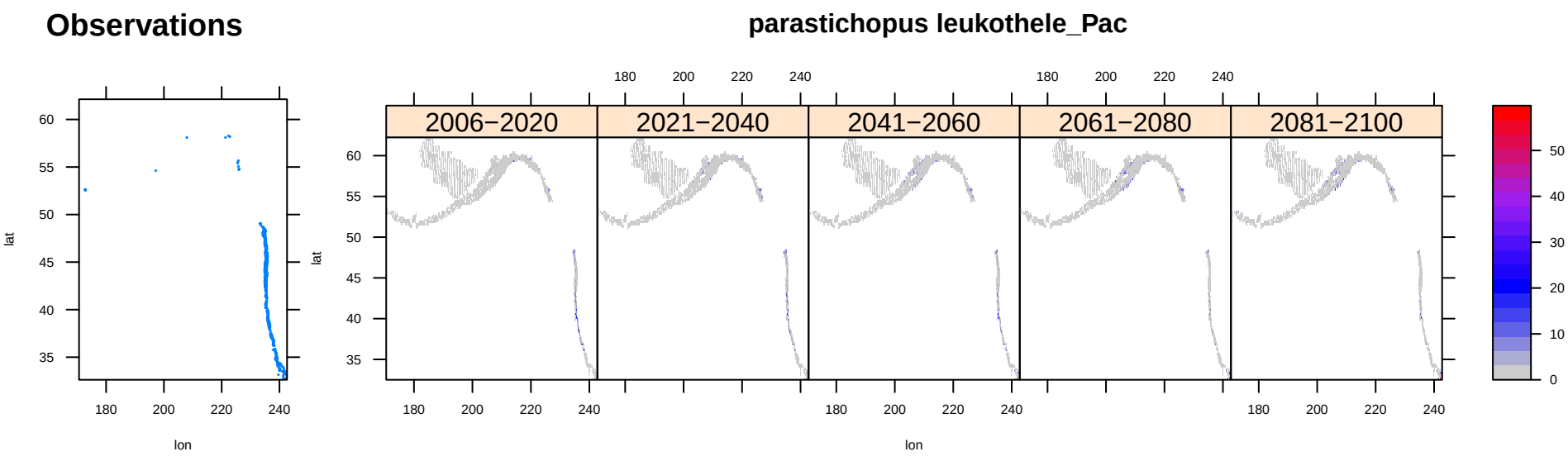
Observations
parastichopus leukothele_Pac
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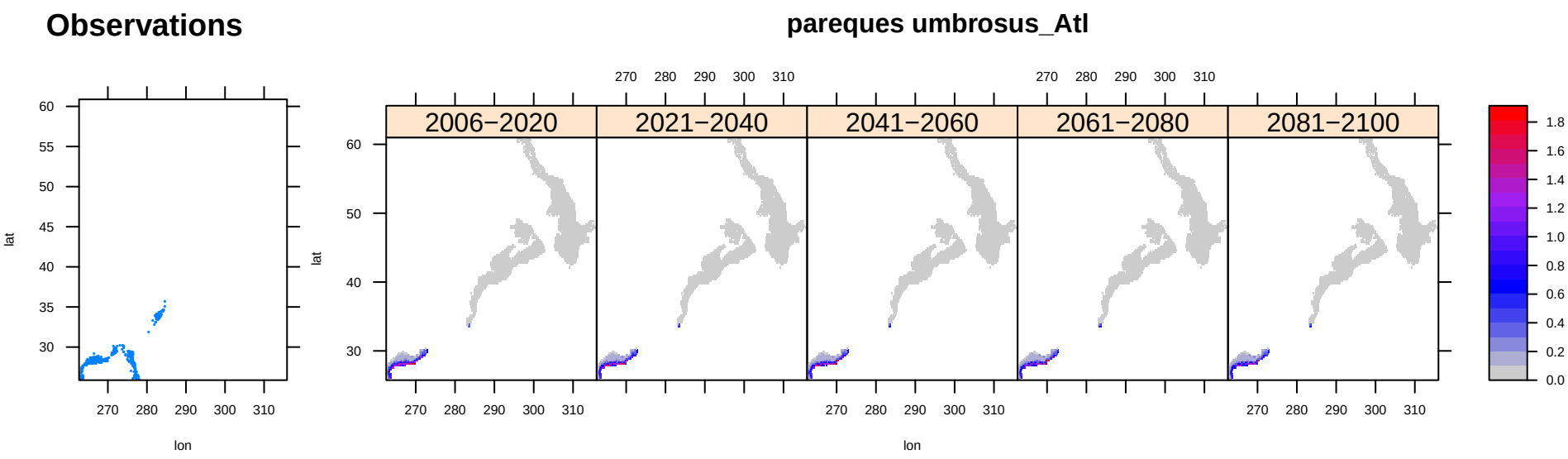
Observations
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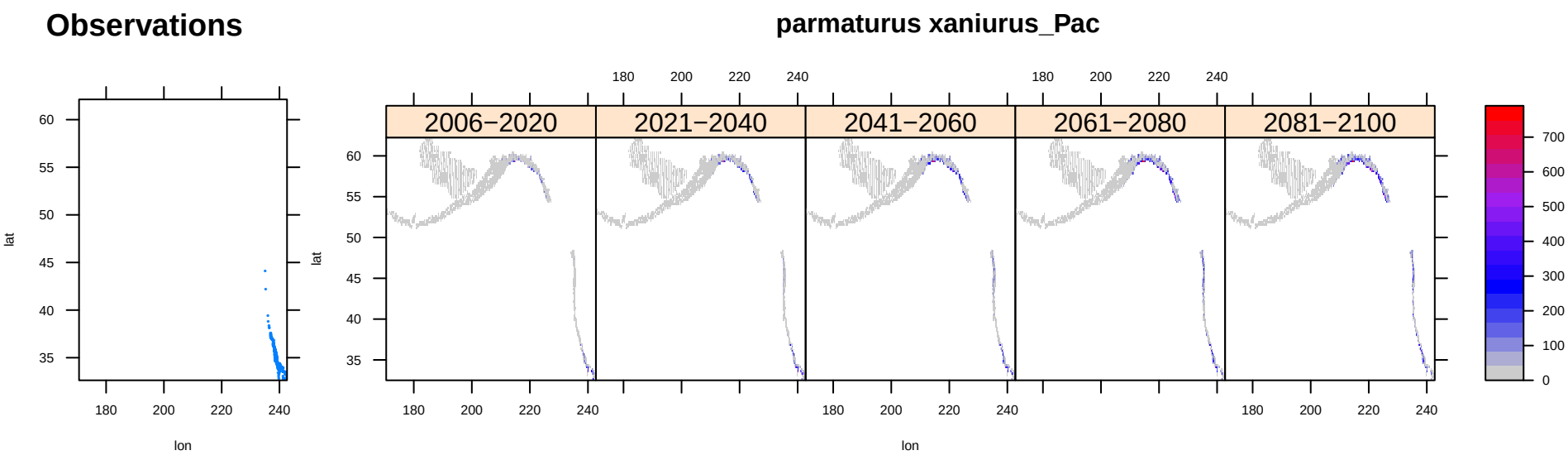
Observations
parmaturus xaniurus_Pac
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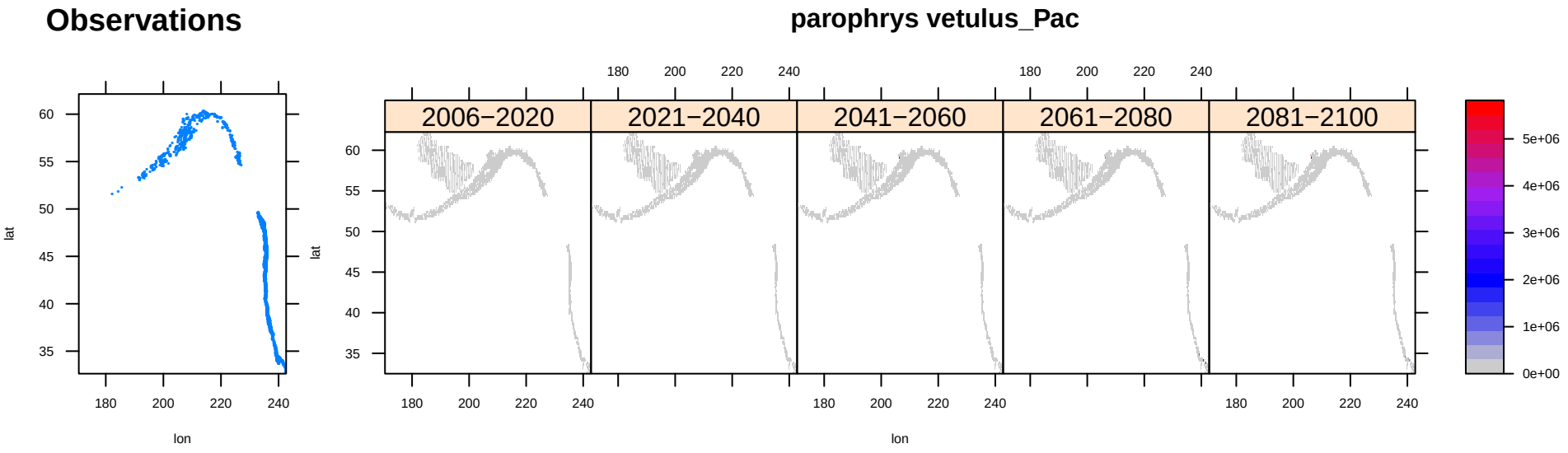
Observations
parophrys vetulus_Pac
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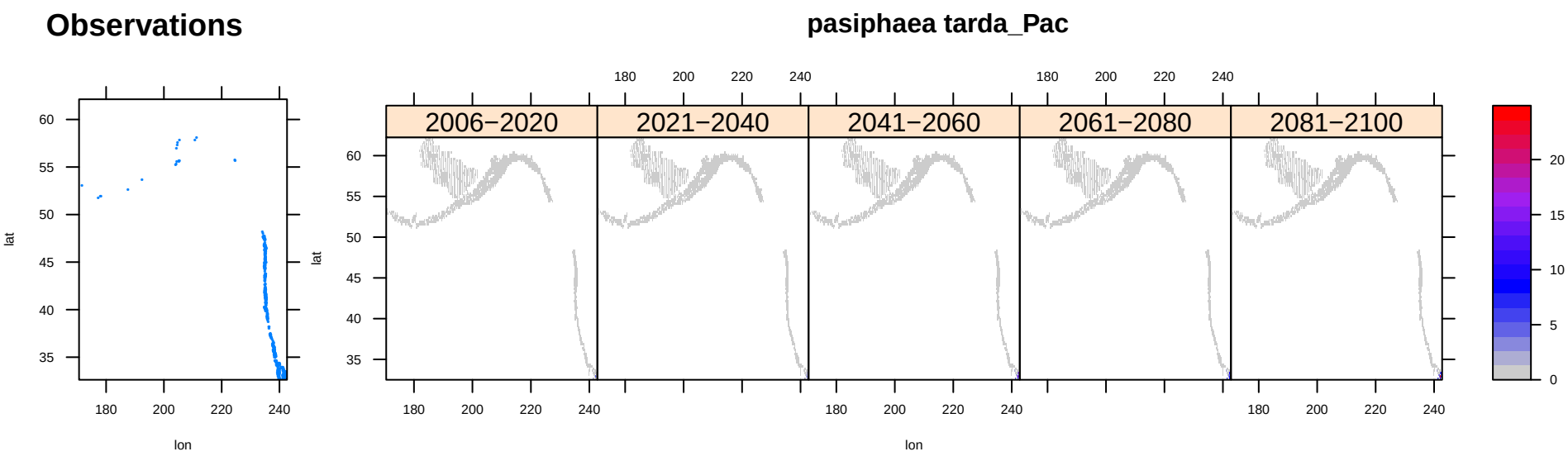
Observations
pasiphaea tarda_Pac
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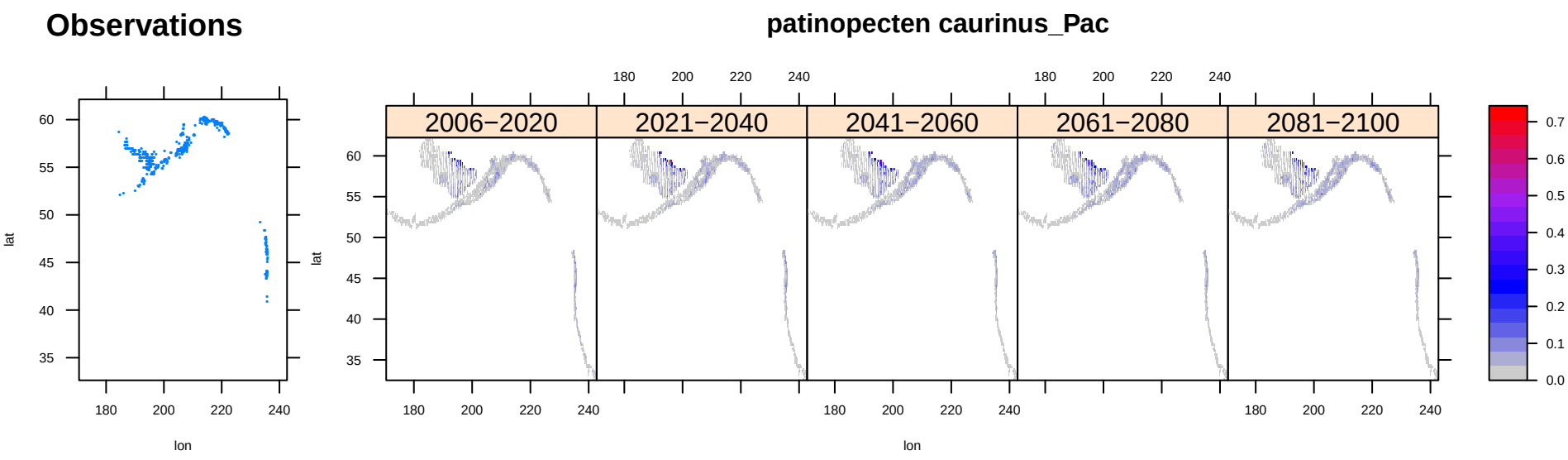
Observations
patinopecten caurinus_Pac
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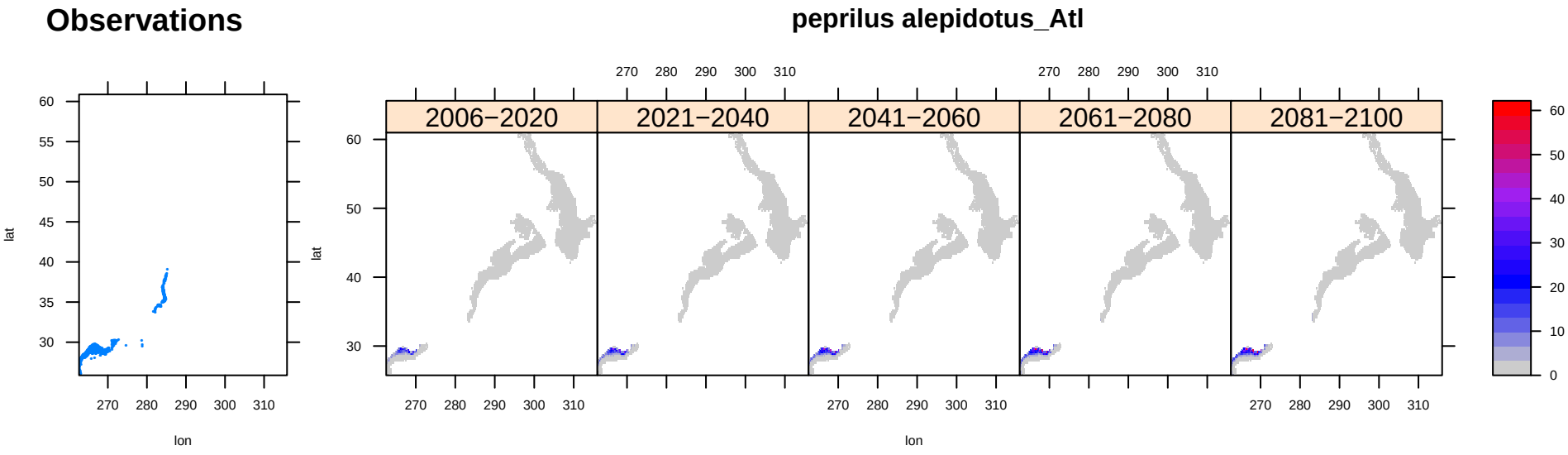
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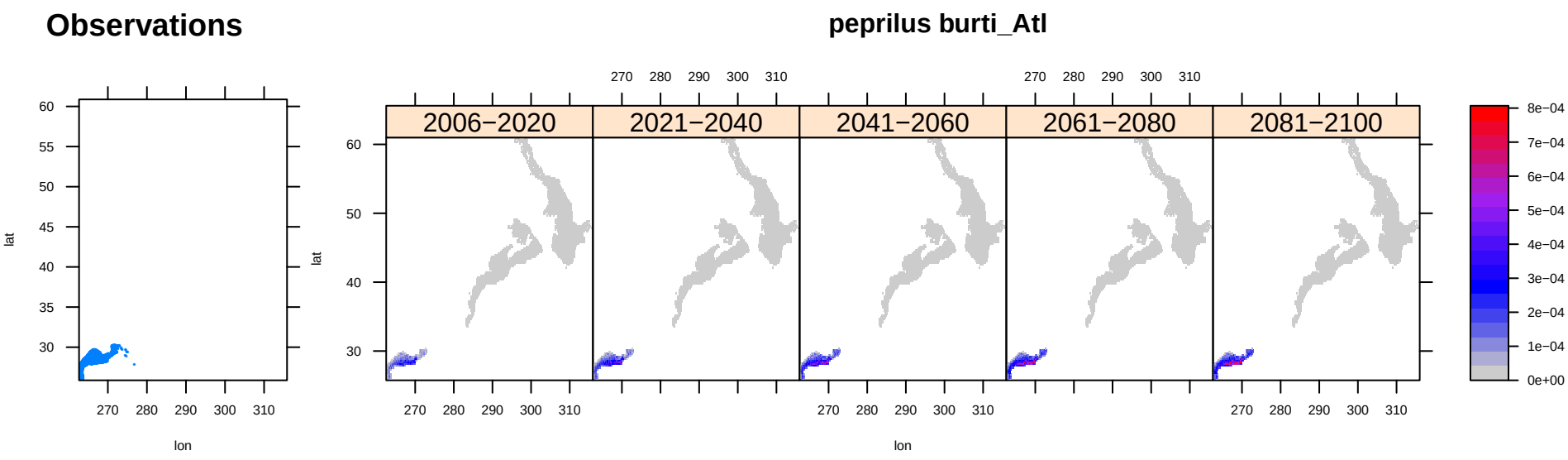
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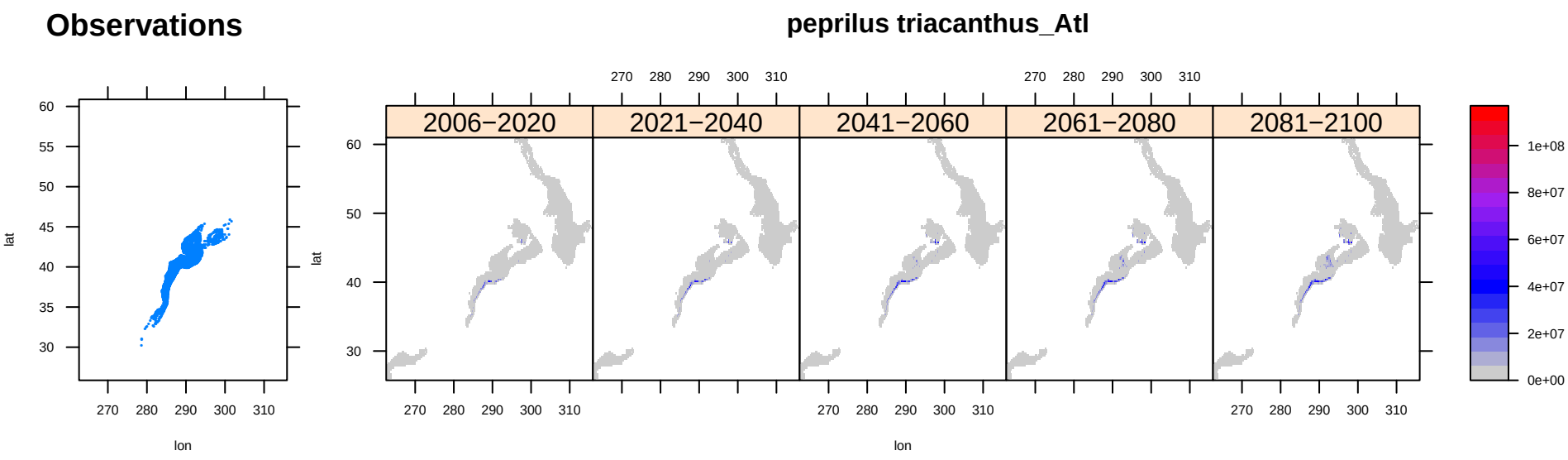
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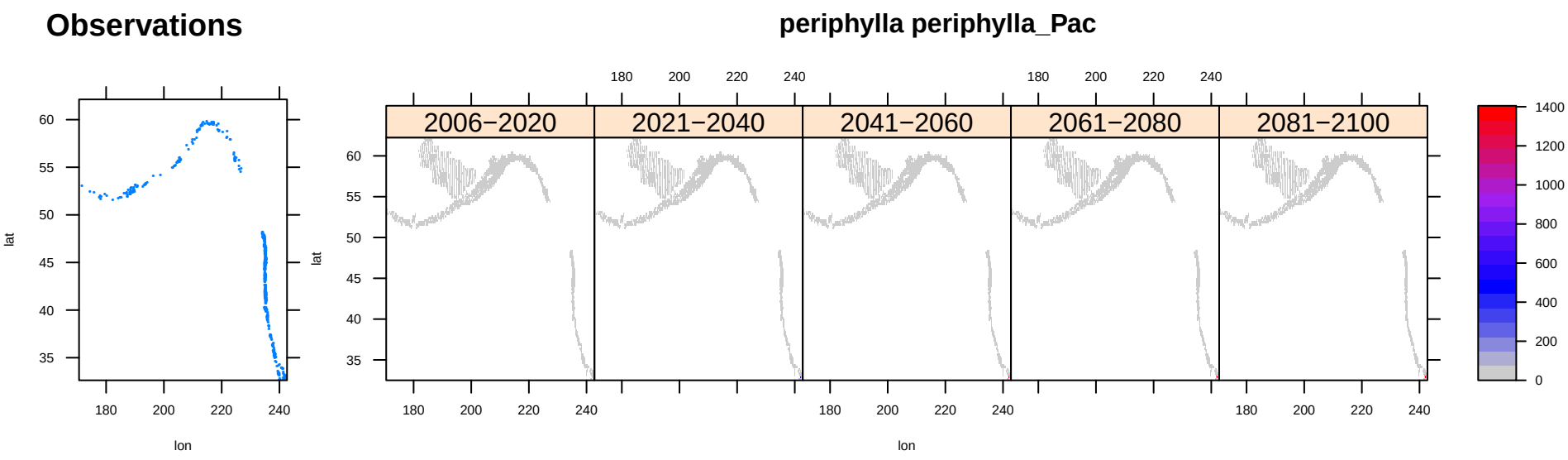
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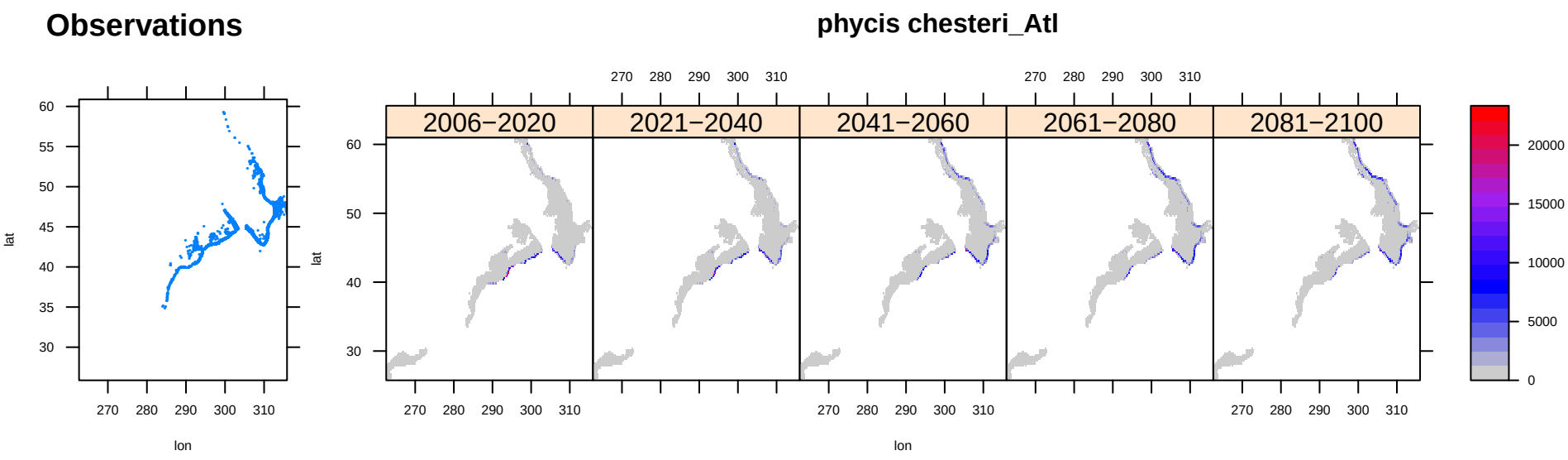
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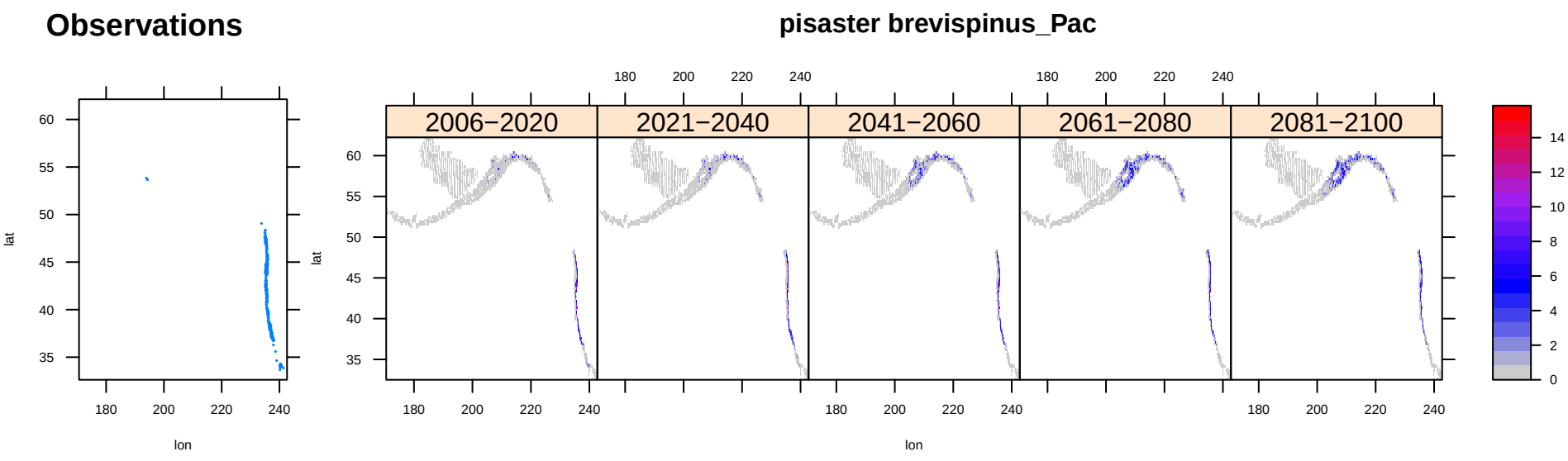
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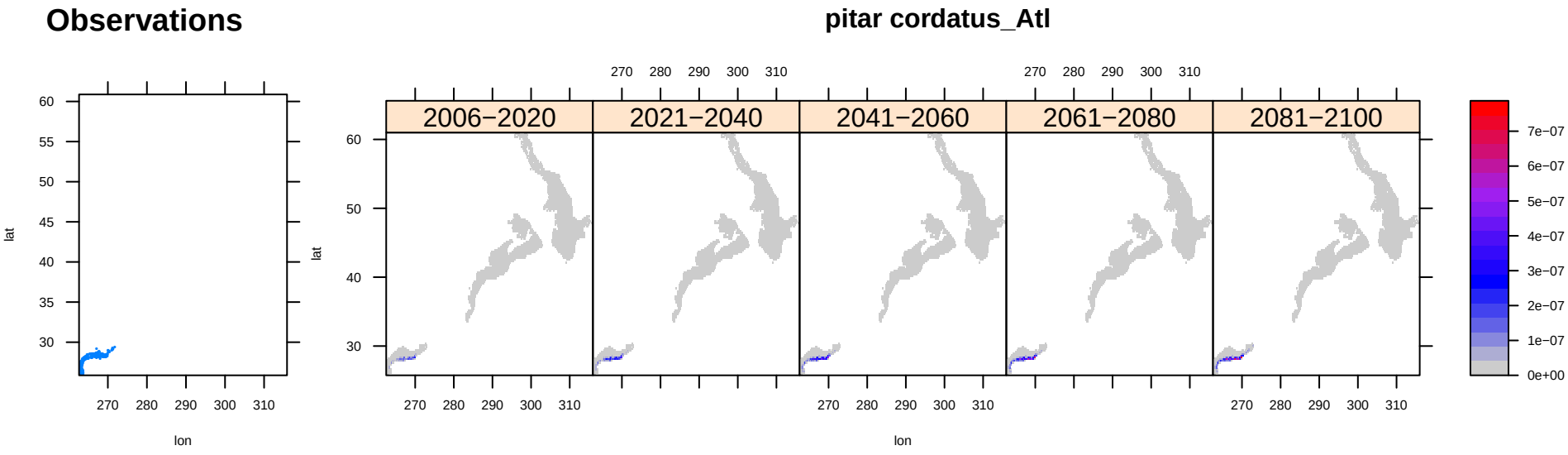
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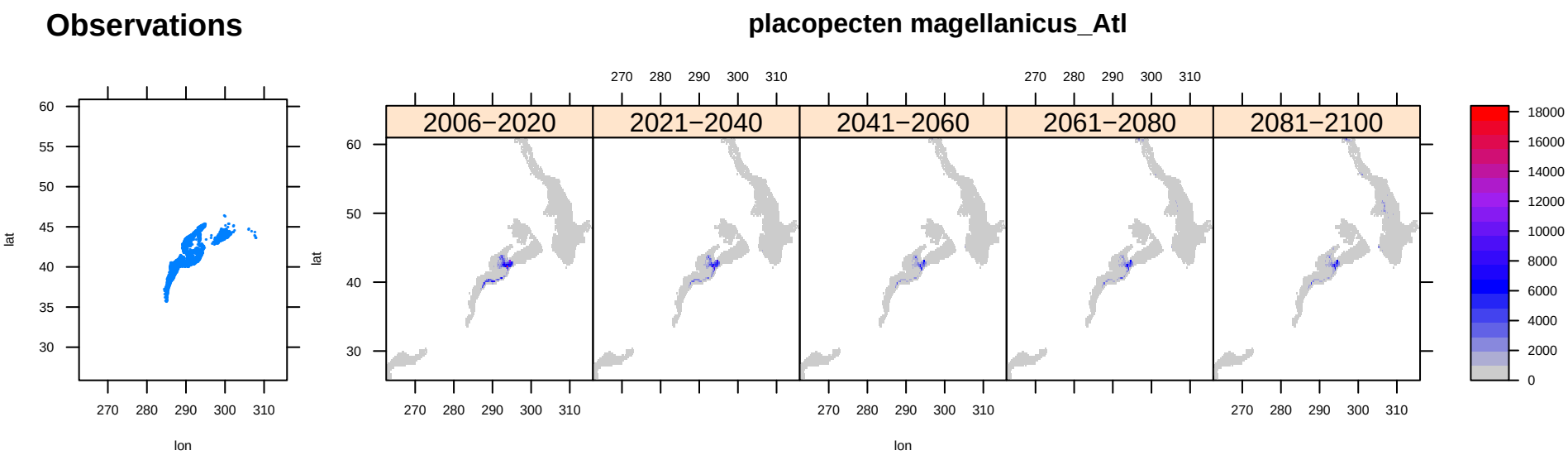
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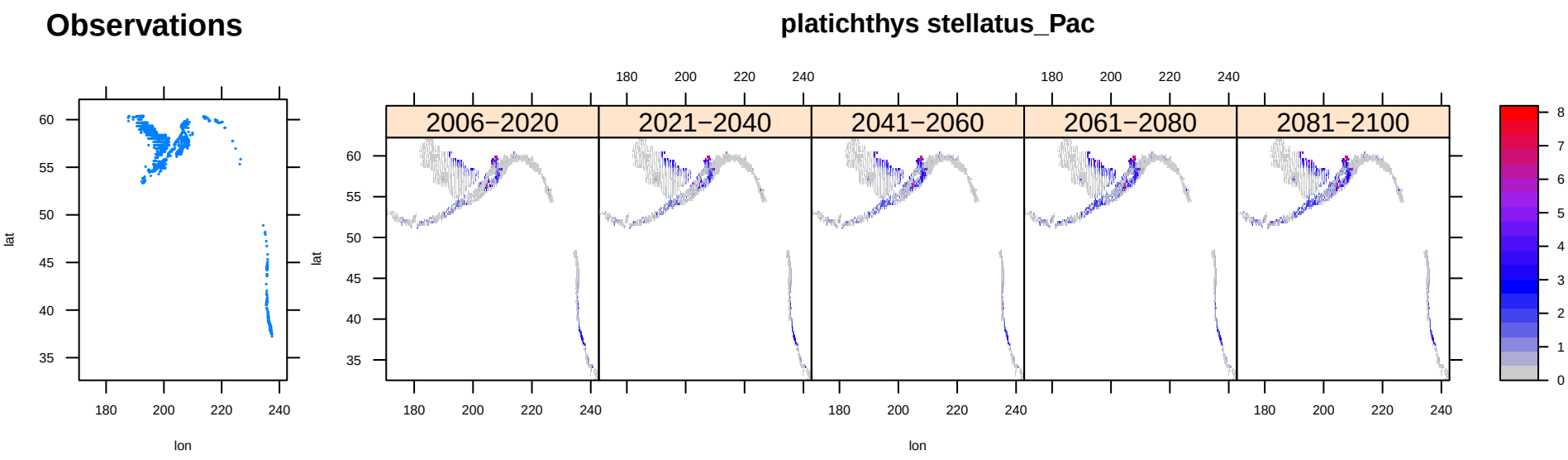
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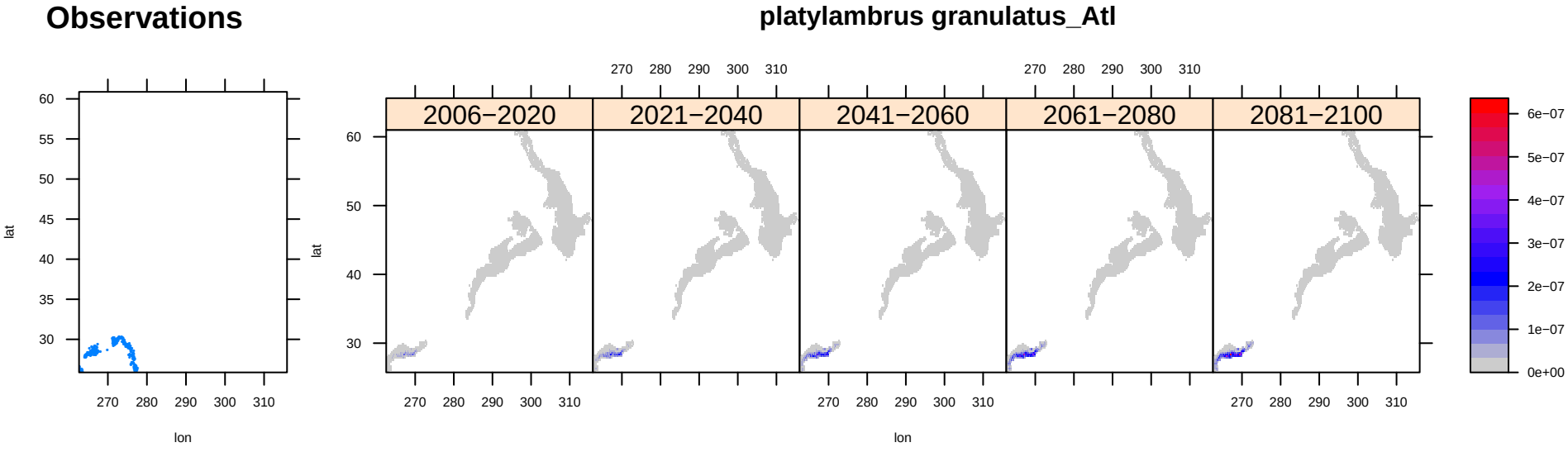
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platylambrus granulatus_Atl
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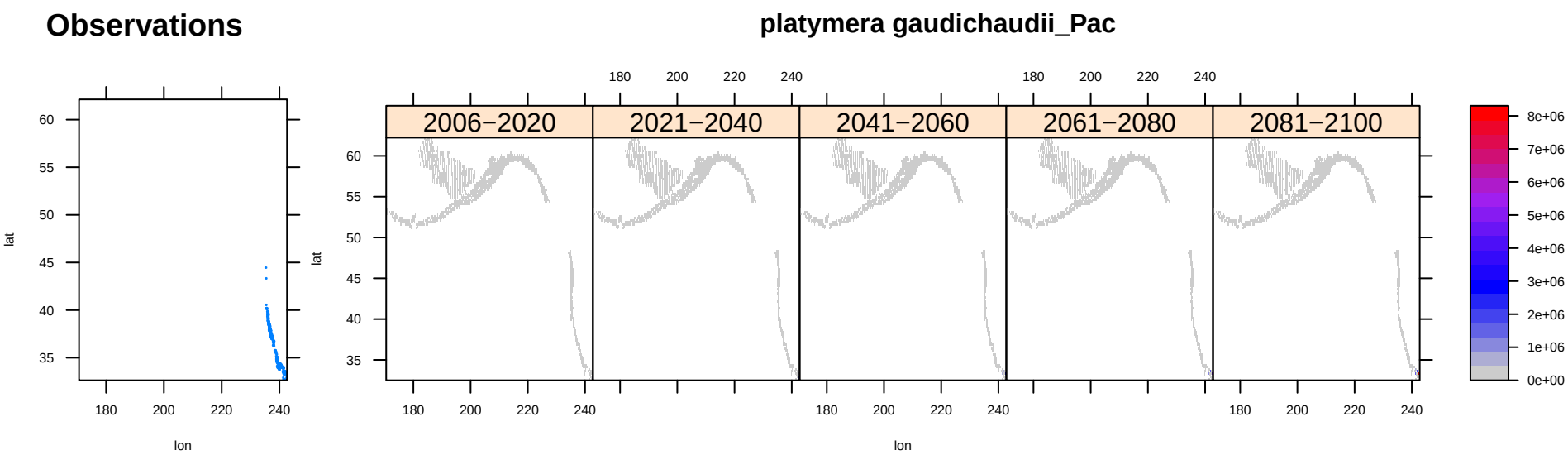
Observations
platymera gaudichaudii_Pac
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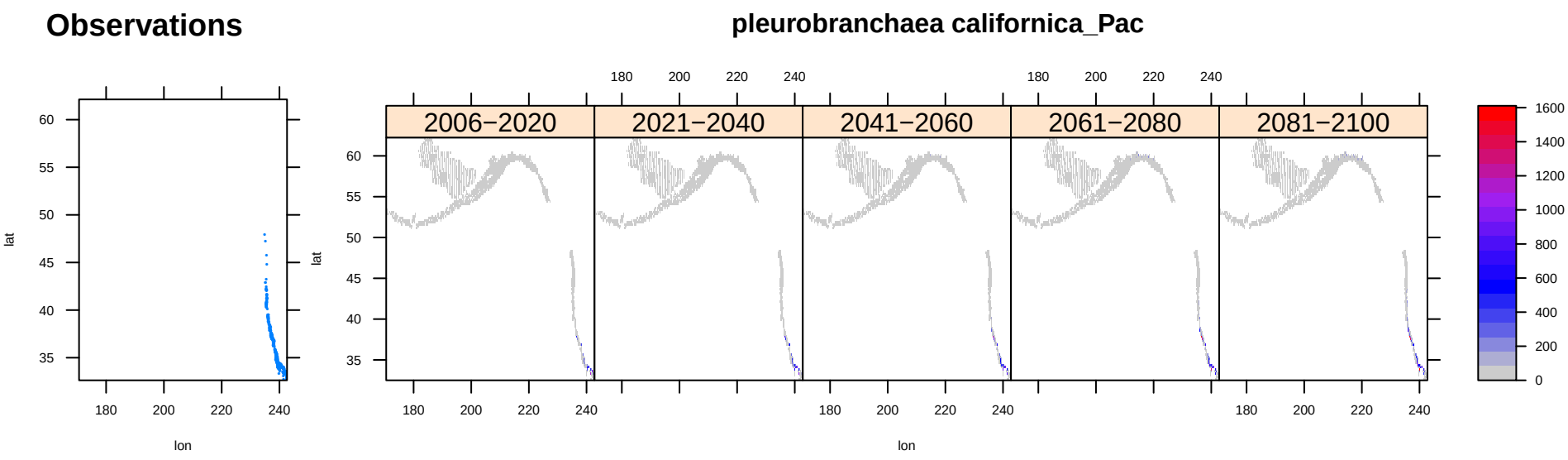
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pleurobranchaea californica_Pac
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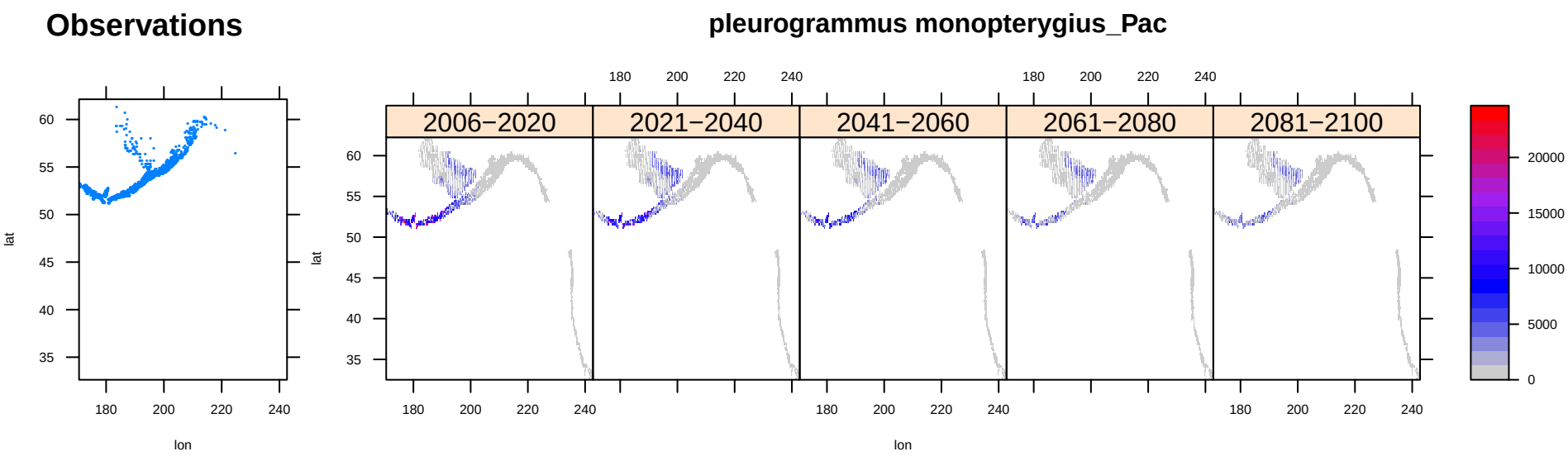
Observations
pleurogrammus monopterygius_Pac
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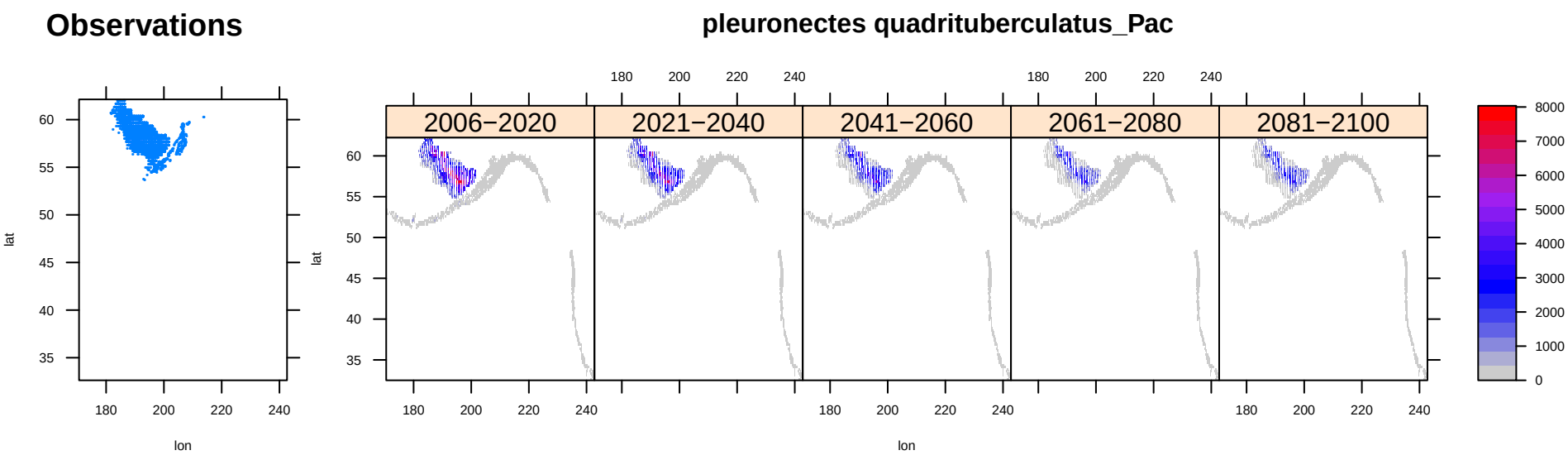
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pleuronectes quadrituberculatus_Pac
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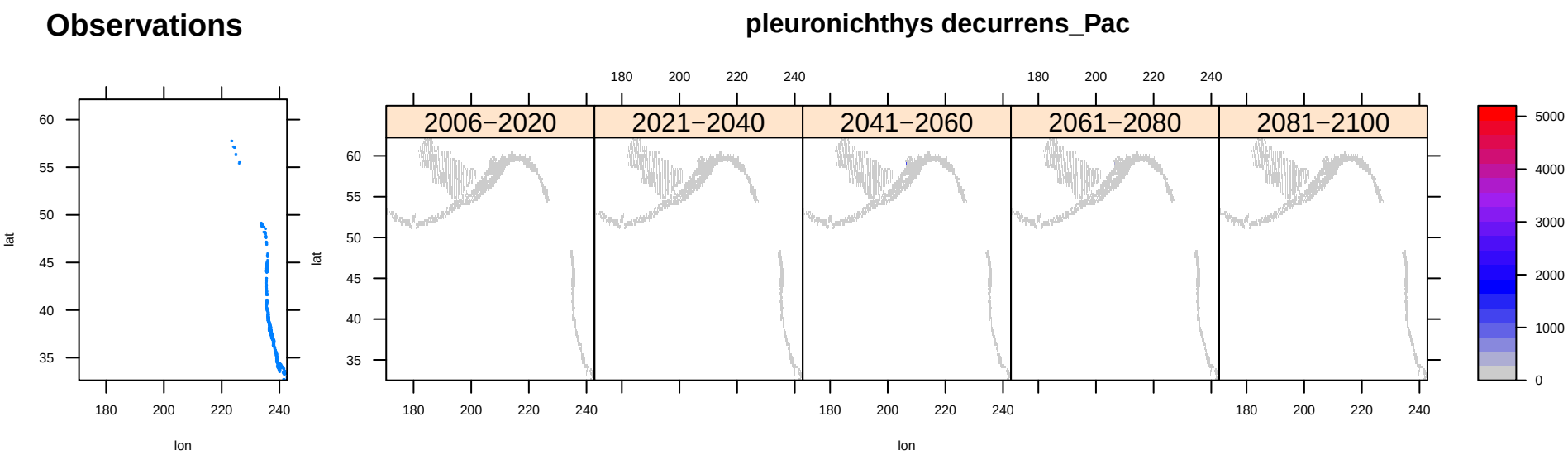
Observations
pleuronichthys decurrens_Pac
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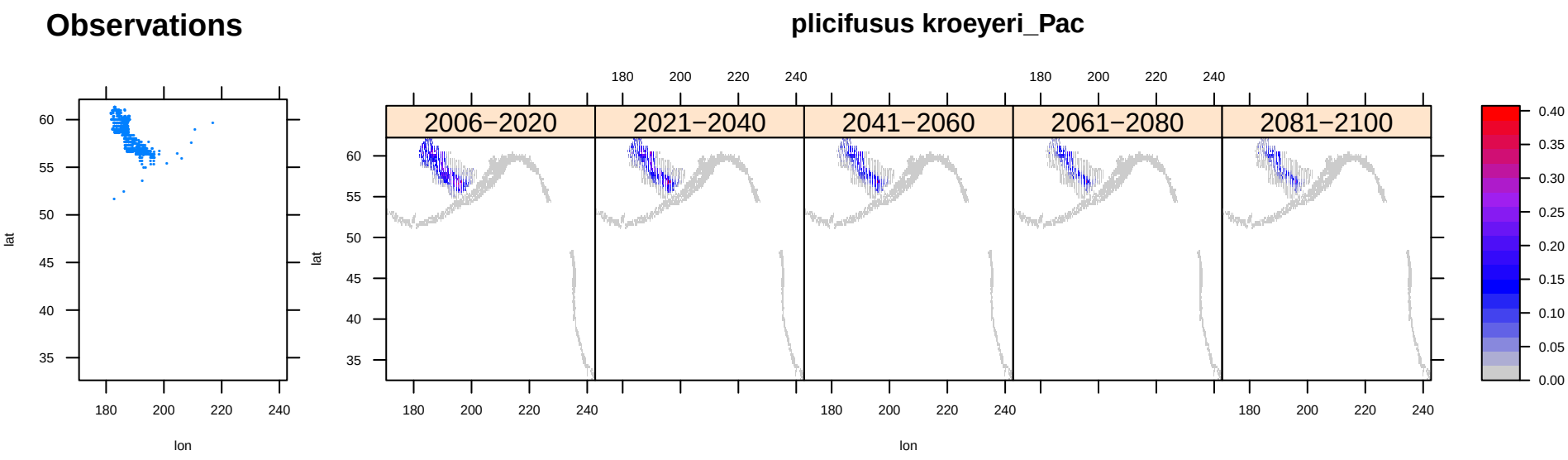
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plicifusus kroeyeri_Pac
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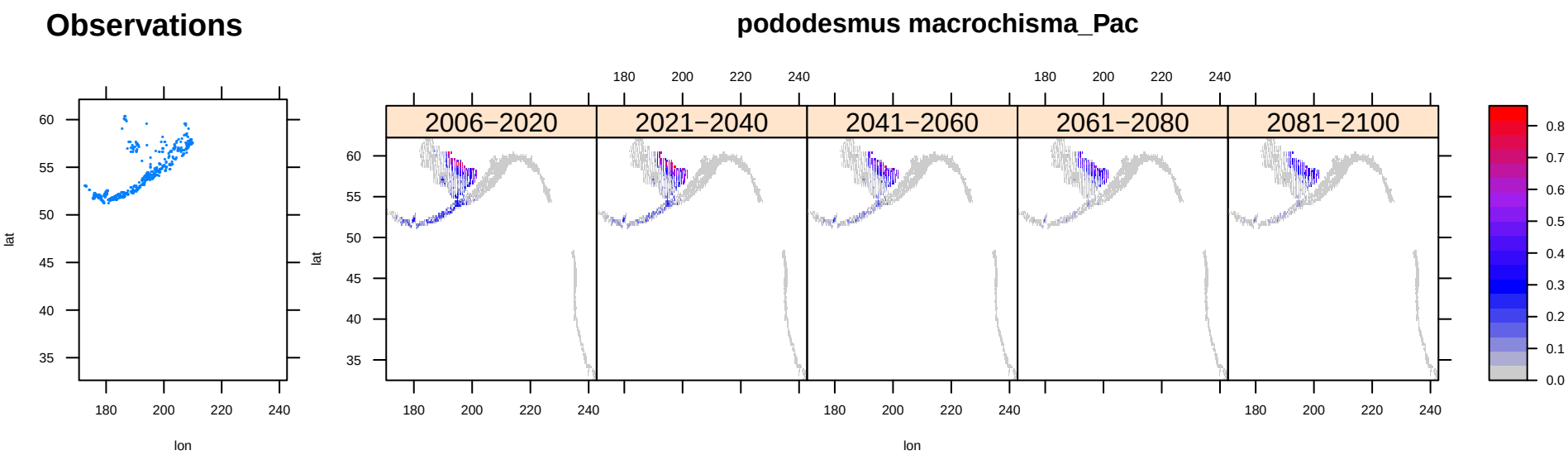
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pododesmus macrochisma_Pac
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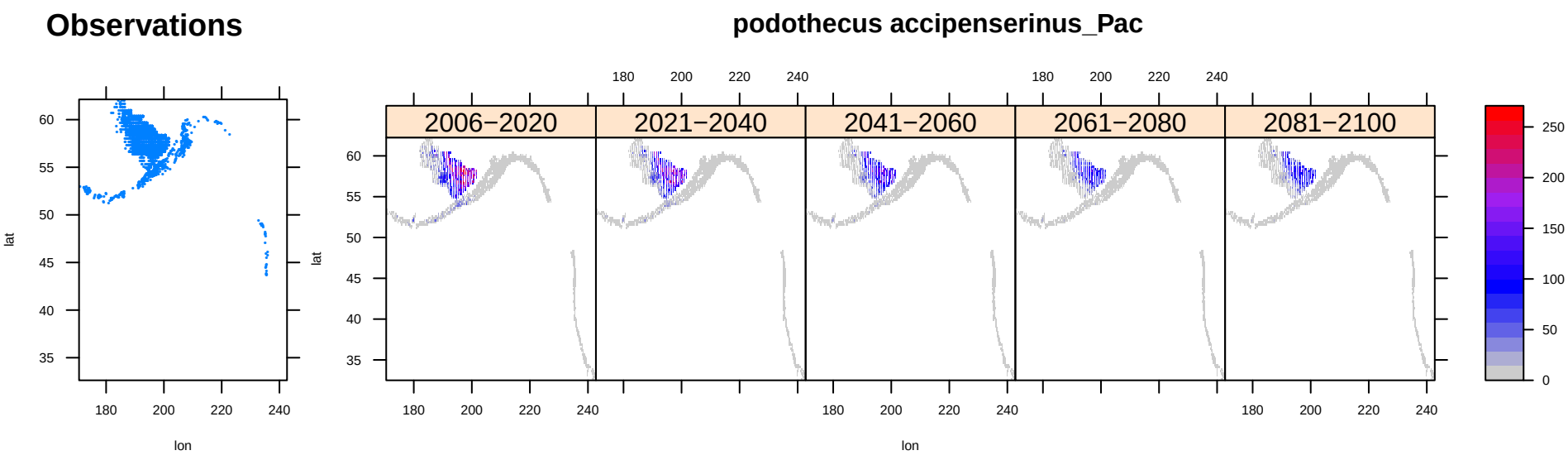
Observations
podothecus accipenserinus_Pac
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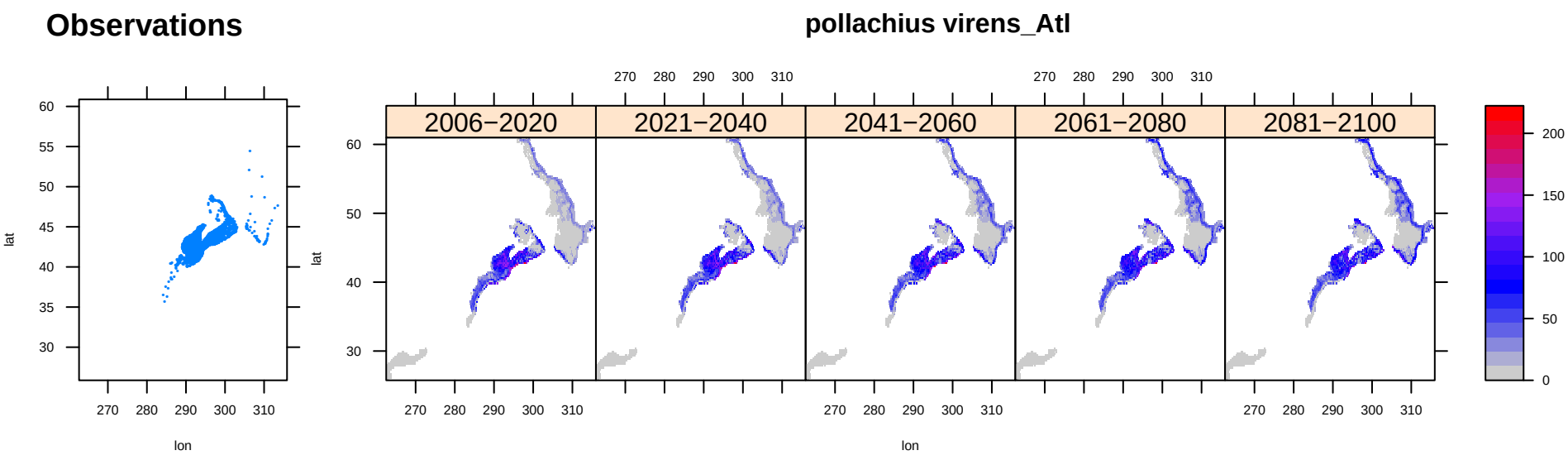
Observations
pollachius virens_Atl
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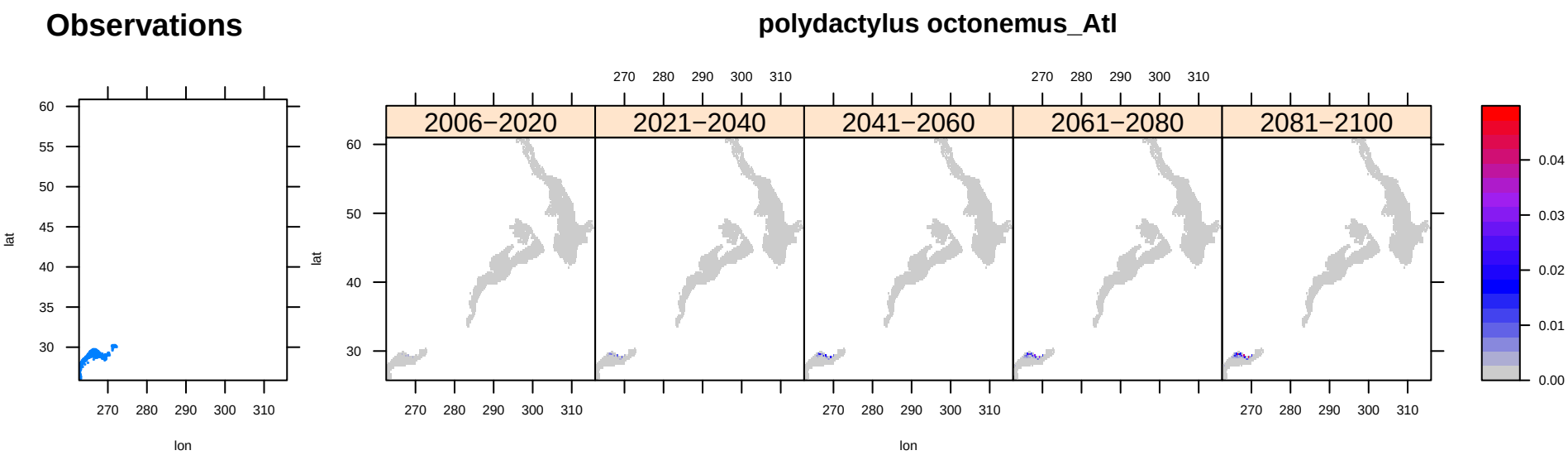
Observations
polydactylus octonemus_Atl
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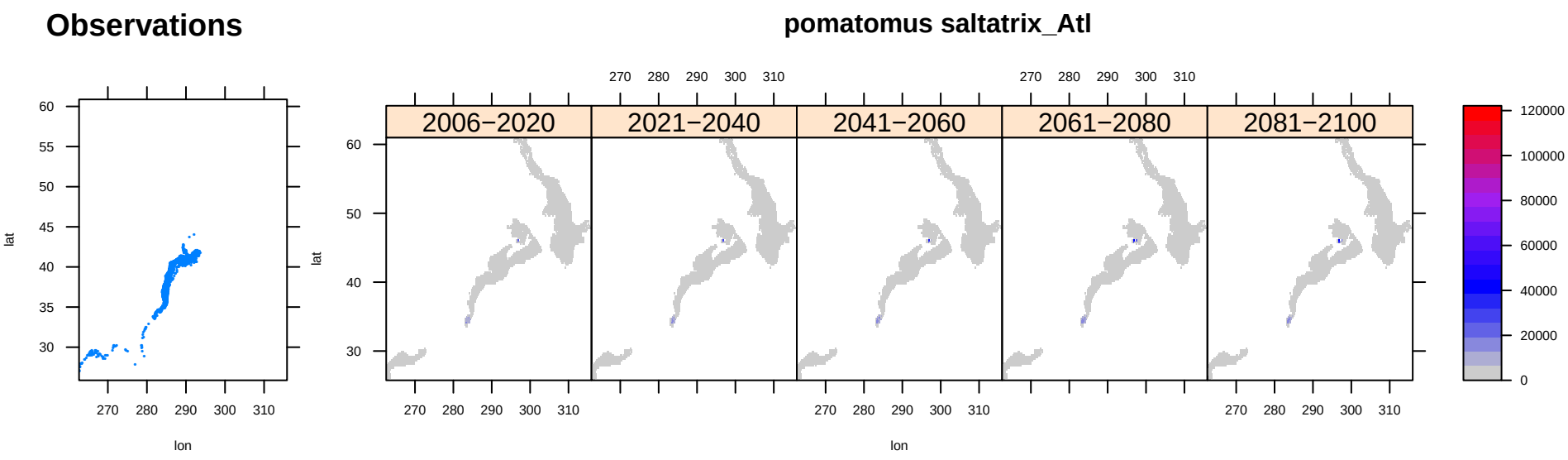
Observations
pomatomus saltatrix_Atl
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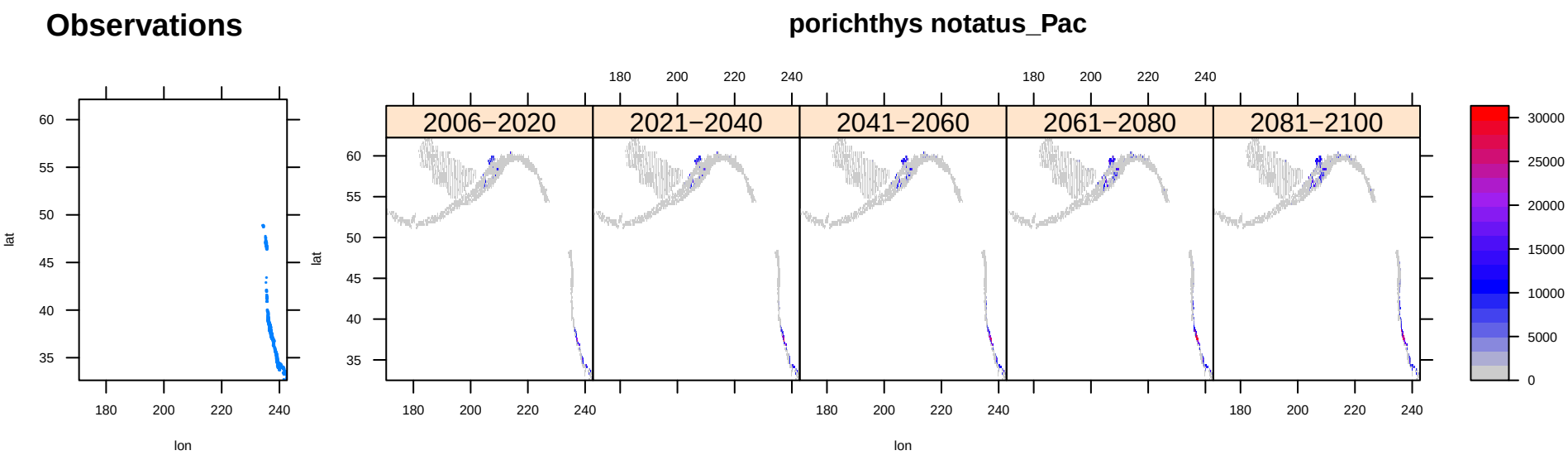
Observations
porichthys notatus_Pac
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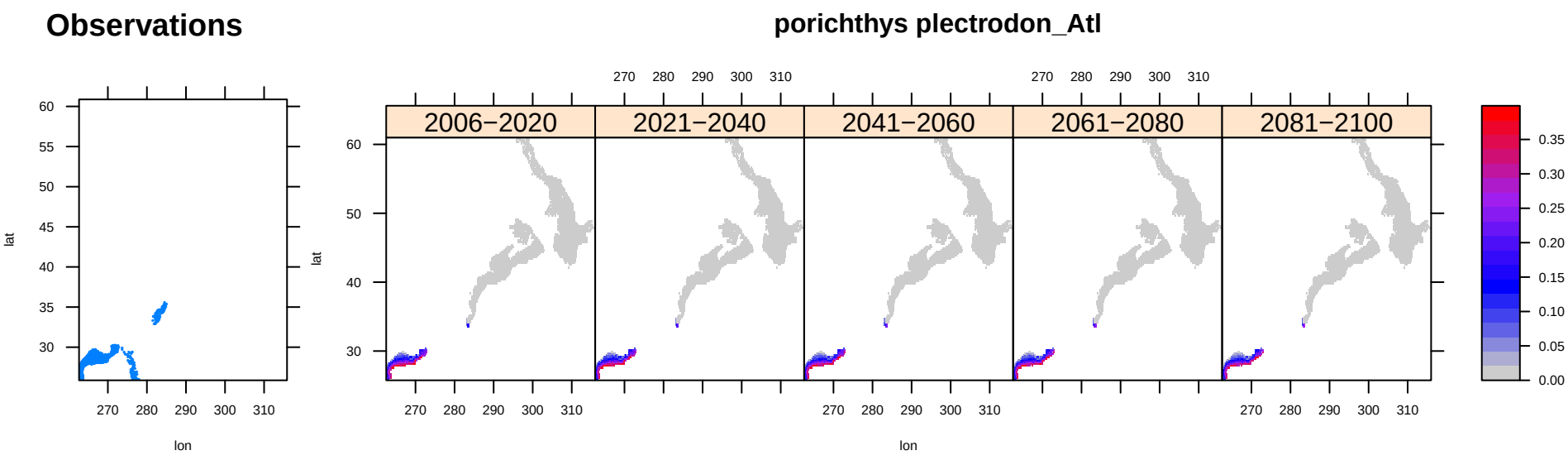
Observations
porichthys plectrodon_Atl
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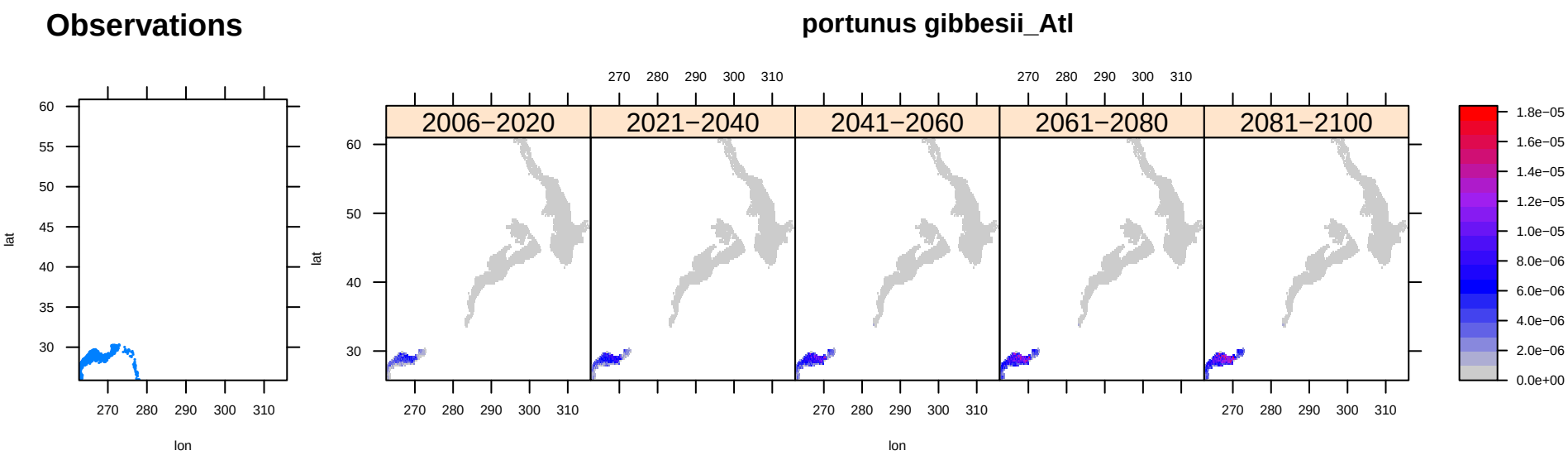
Observations
portunus gibbesii_Atl
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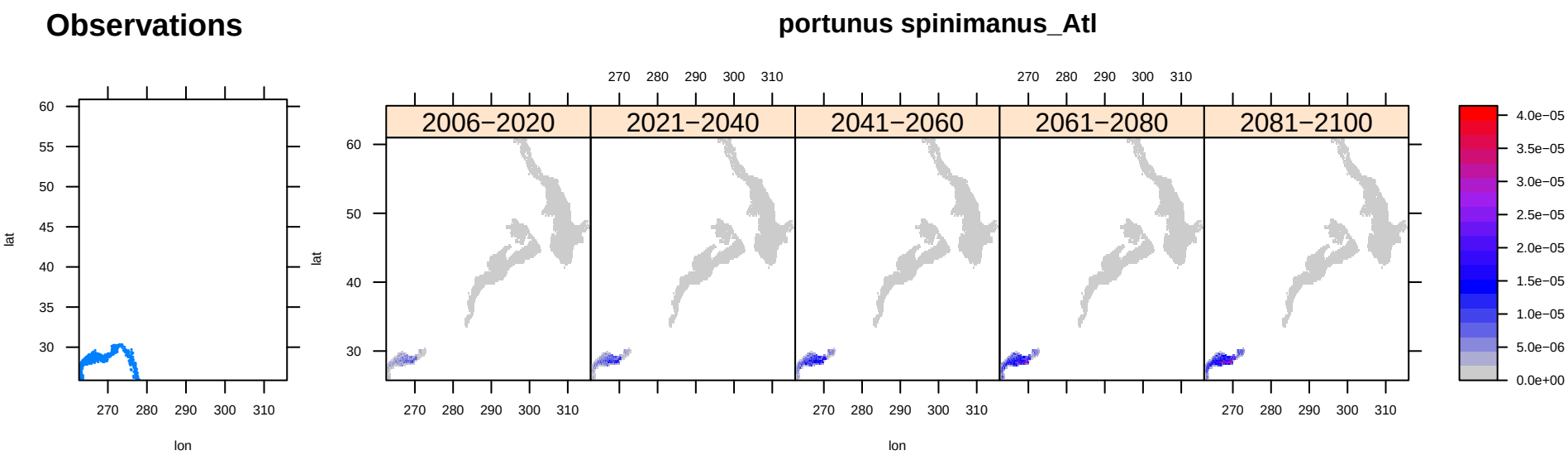
Observations
portunus spinimanus_Atl
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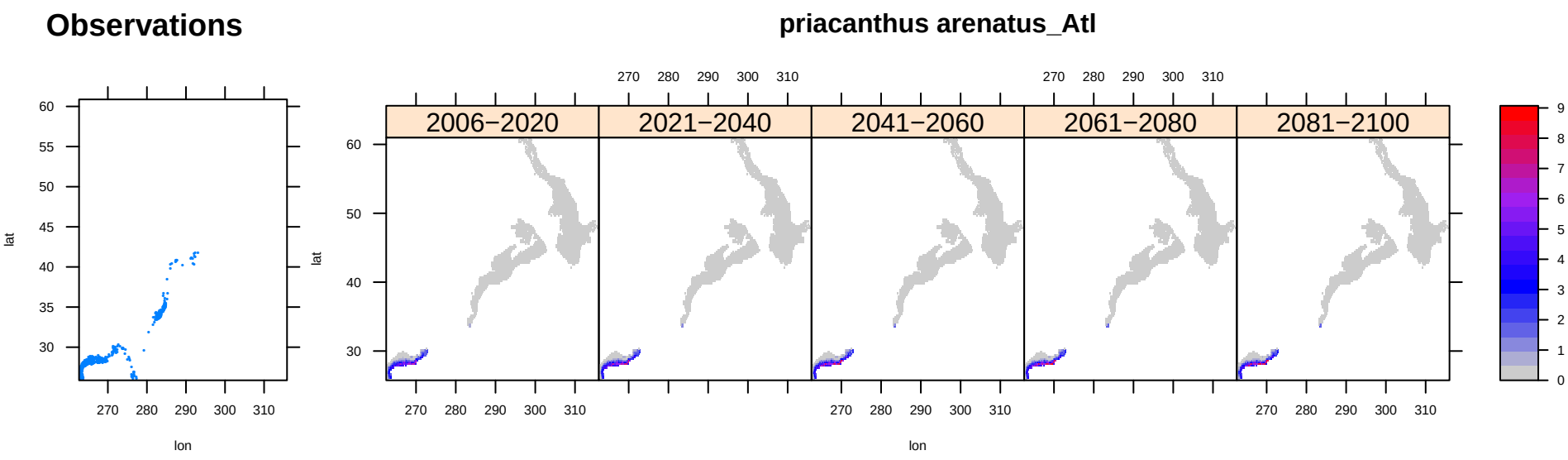
Observations
priacanthus arenatus_Atl
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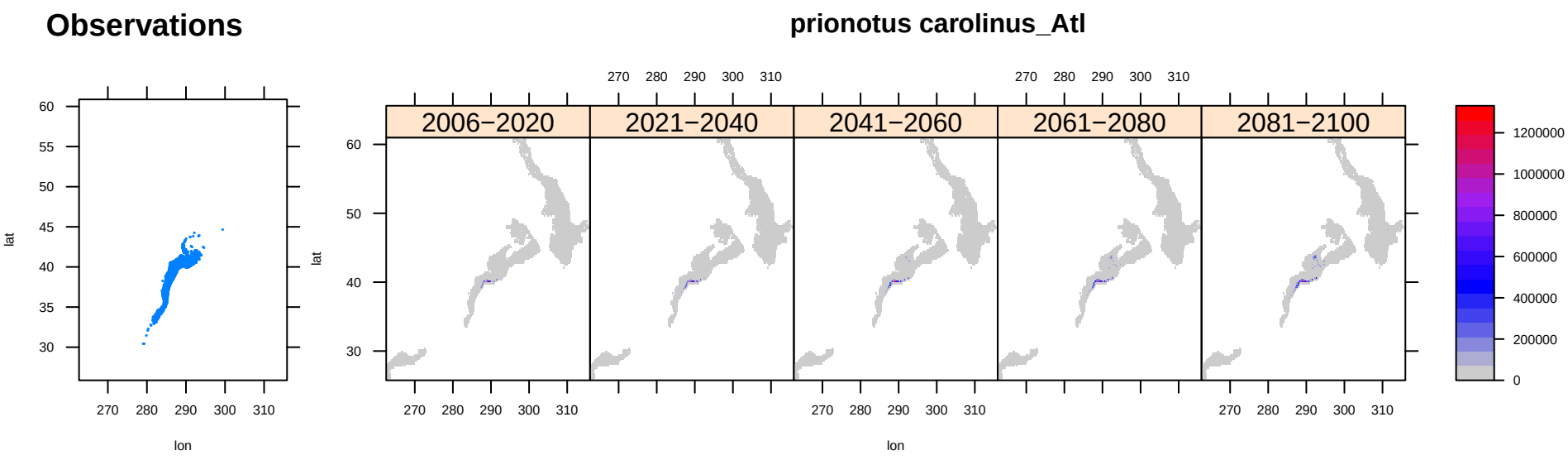
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prionotus carolinus_Atl
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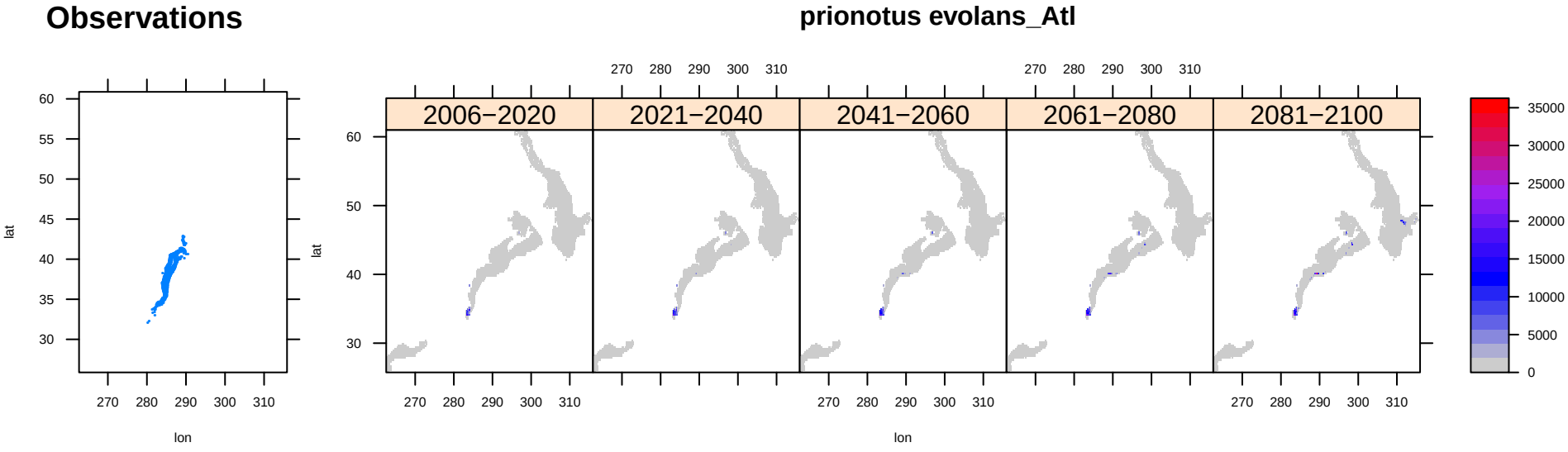
Observations
prionotus evolans_Atl
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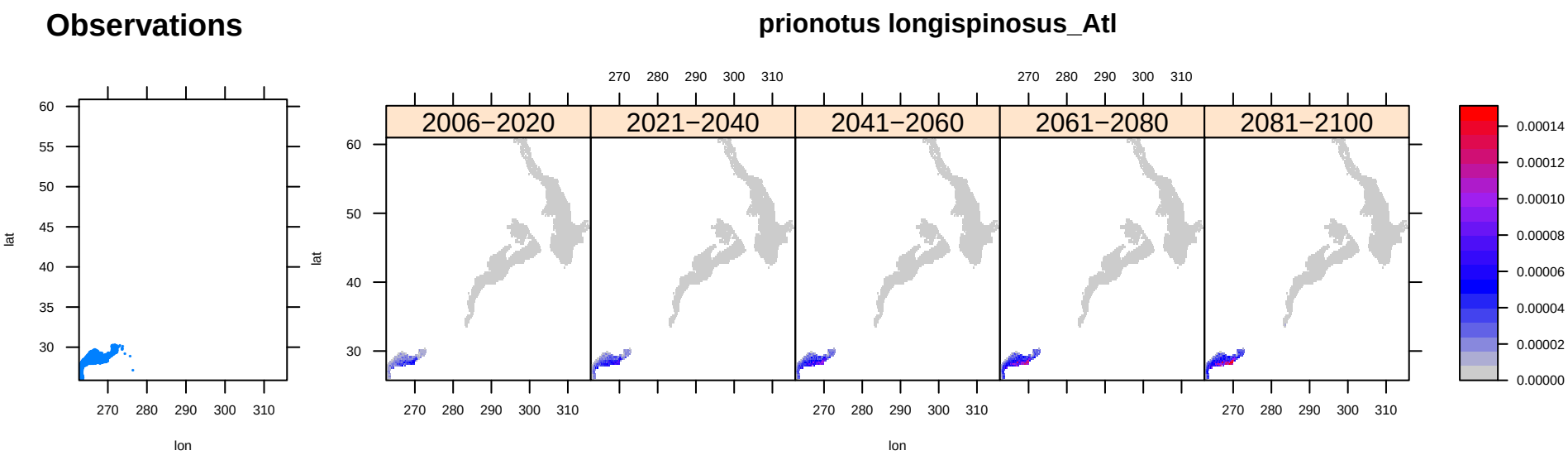
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prionotus longispinosus_Atl
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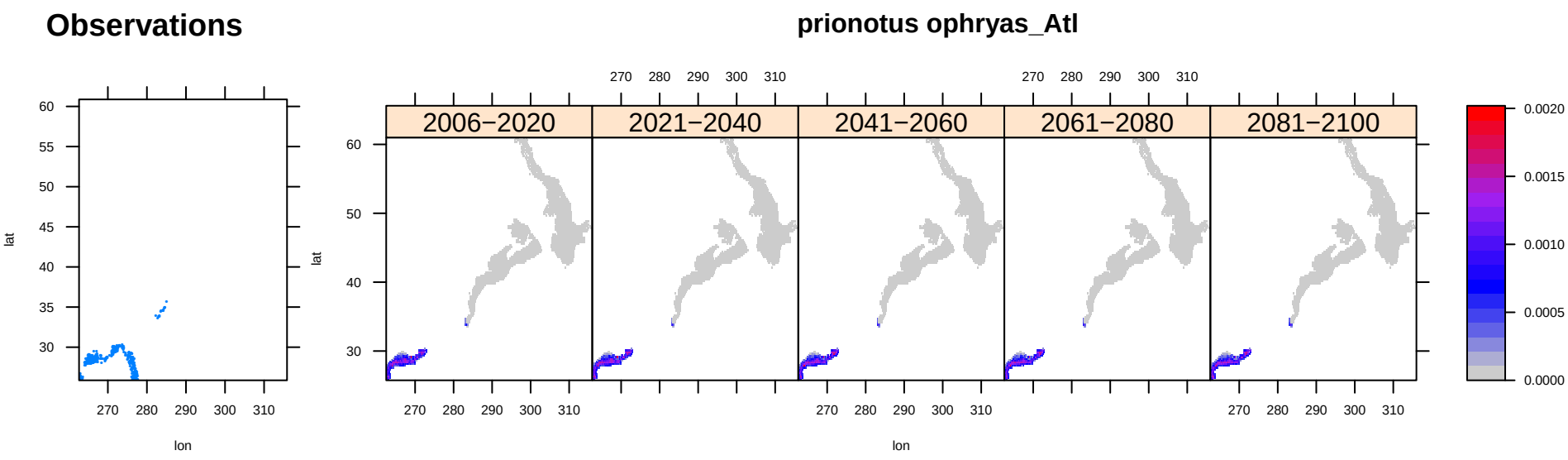
Observations
prionotus ophryas_Atl
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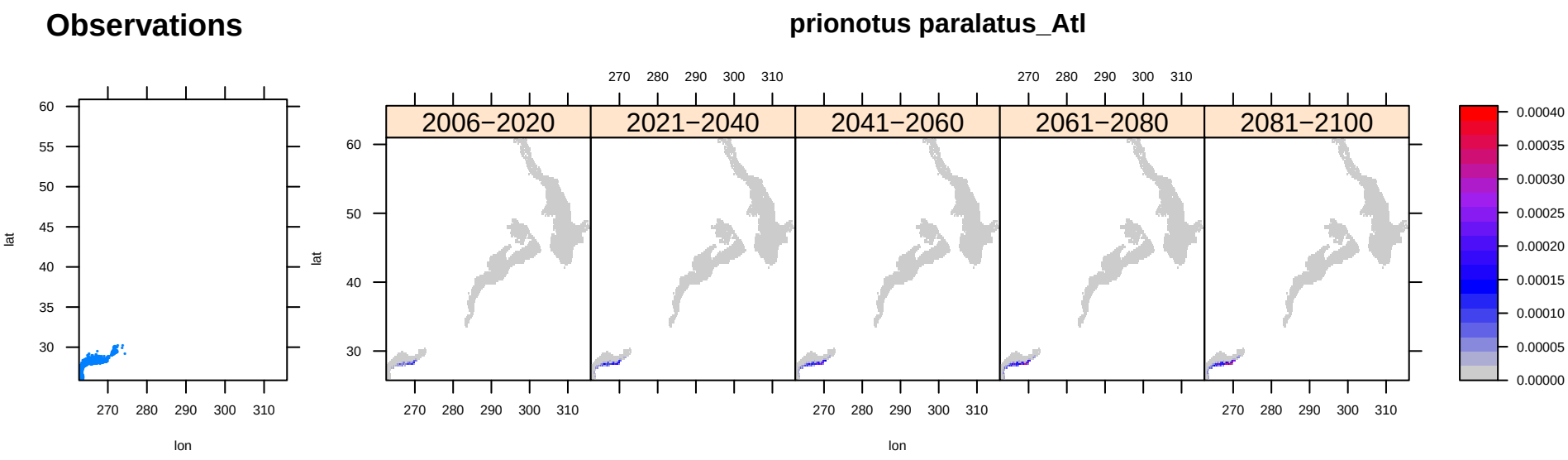
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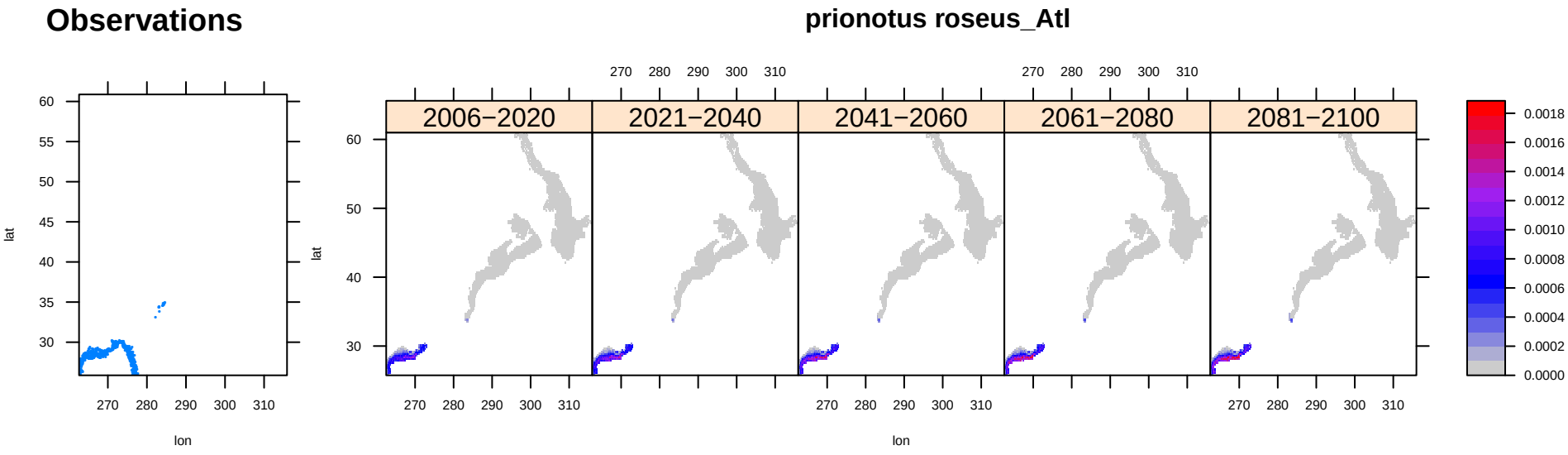
Observations
prionotus roseus_Atl
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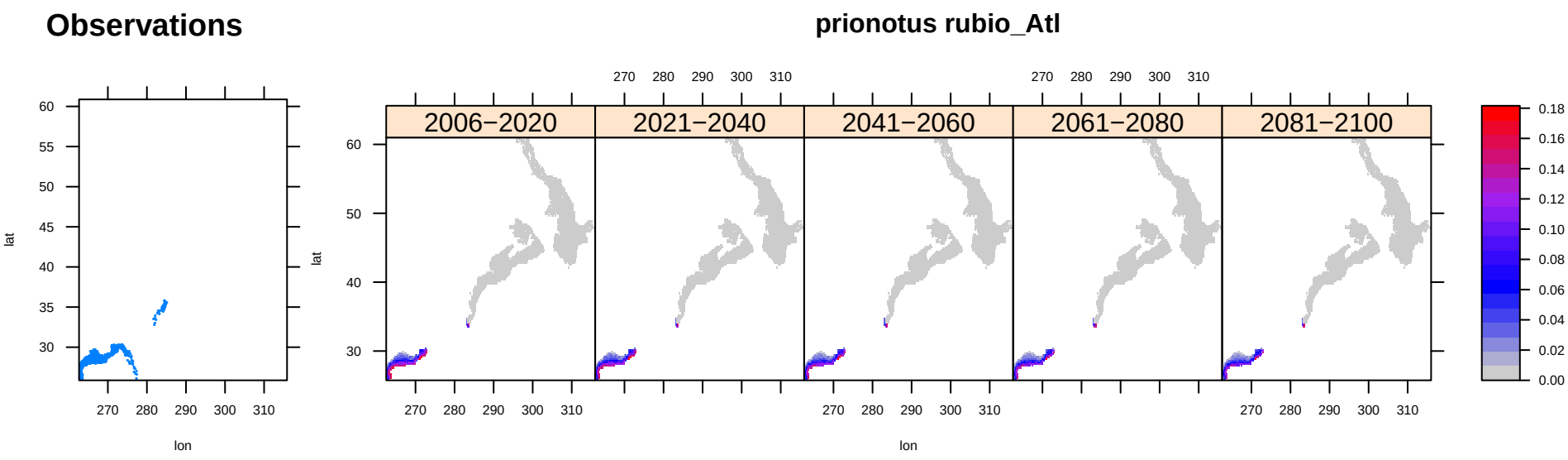
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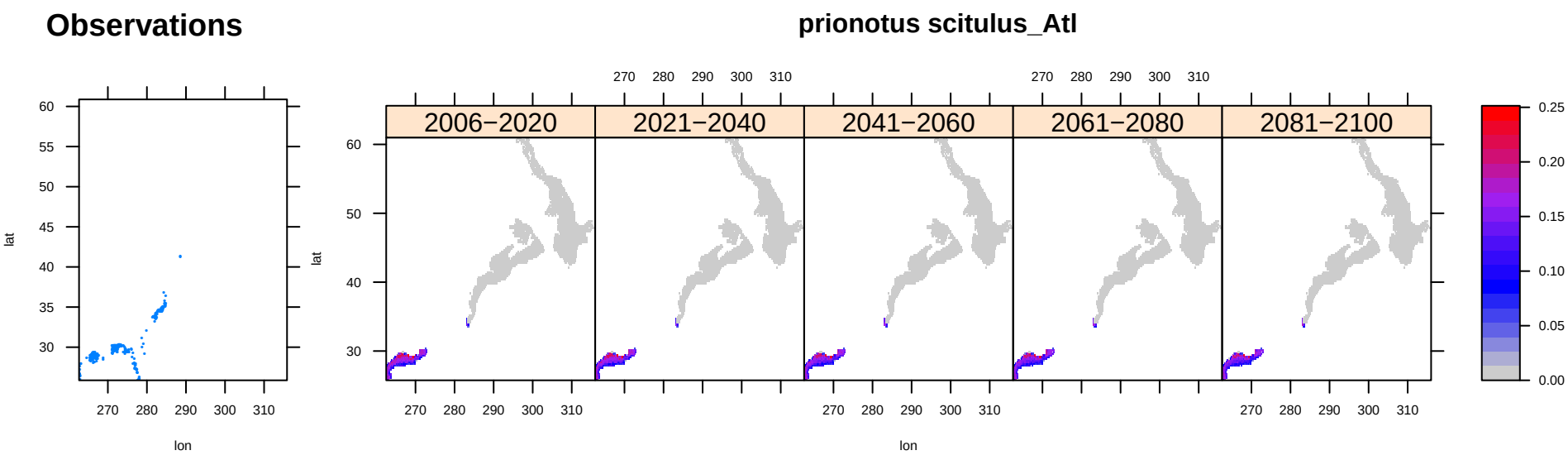
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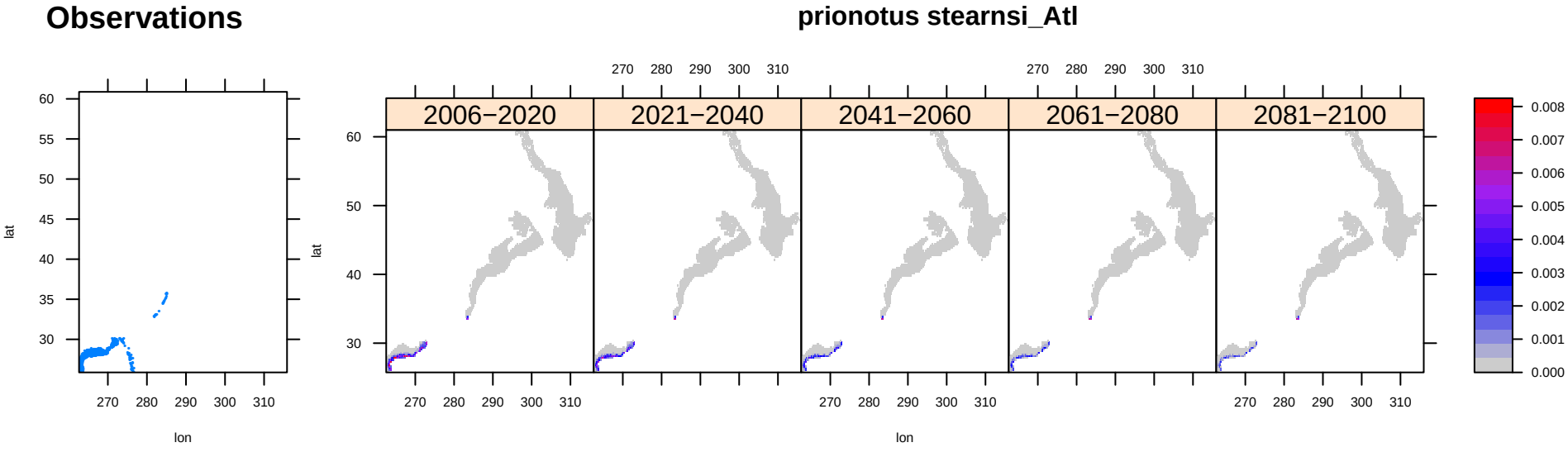
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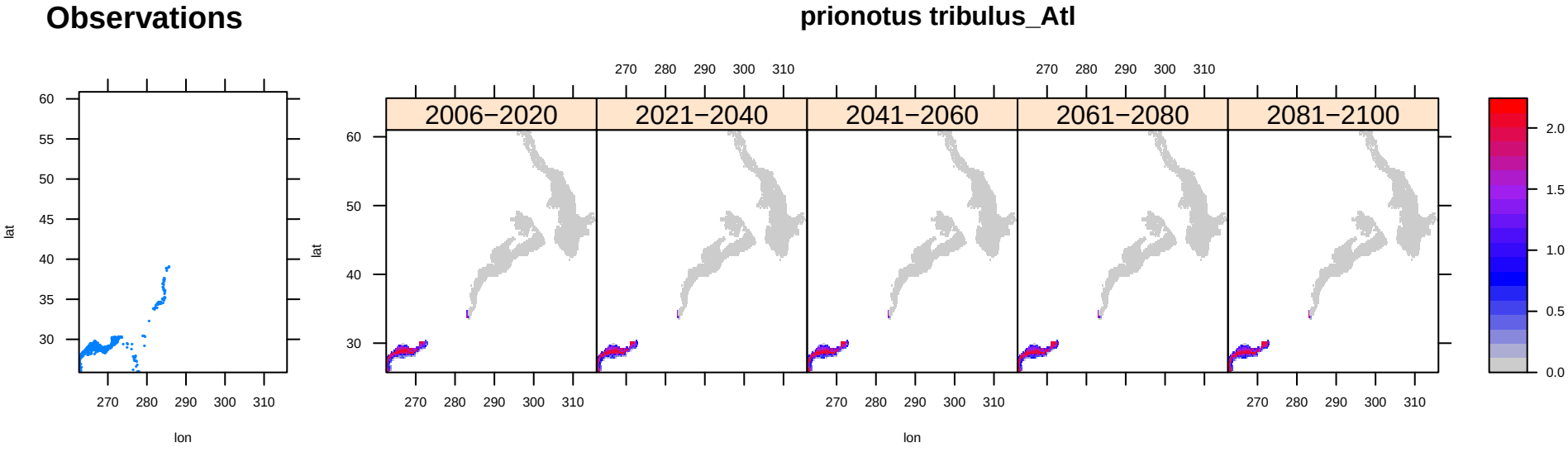
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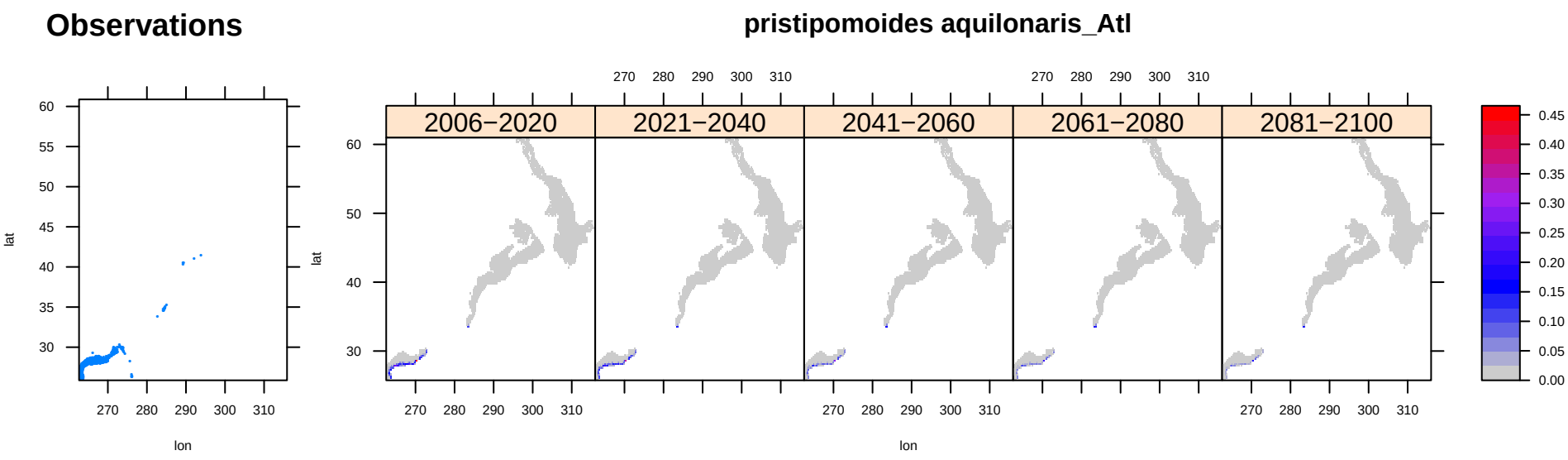
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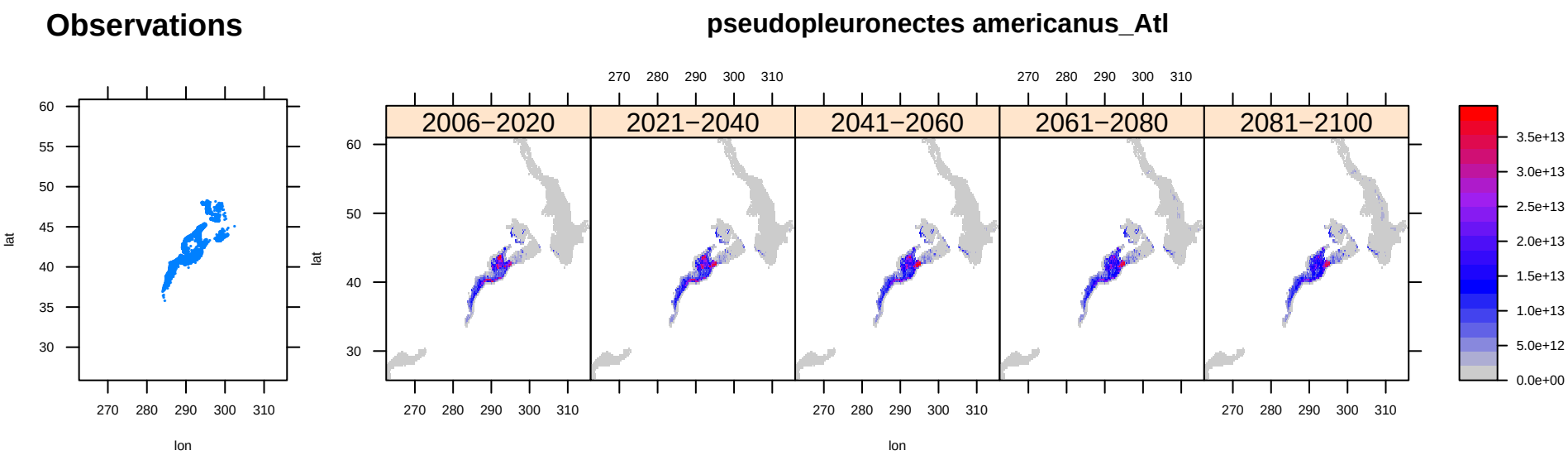
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pseudopleuronectes americanus_Atl
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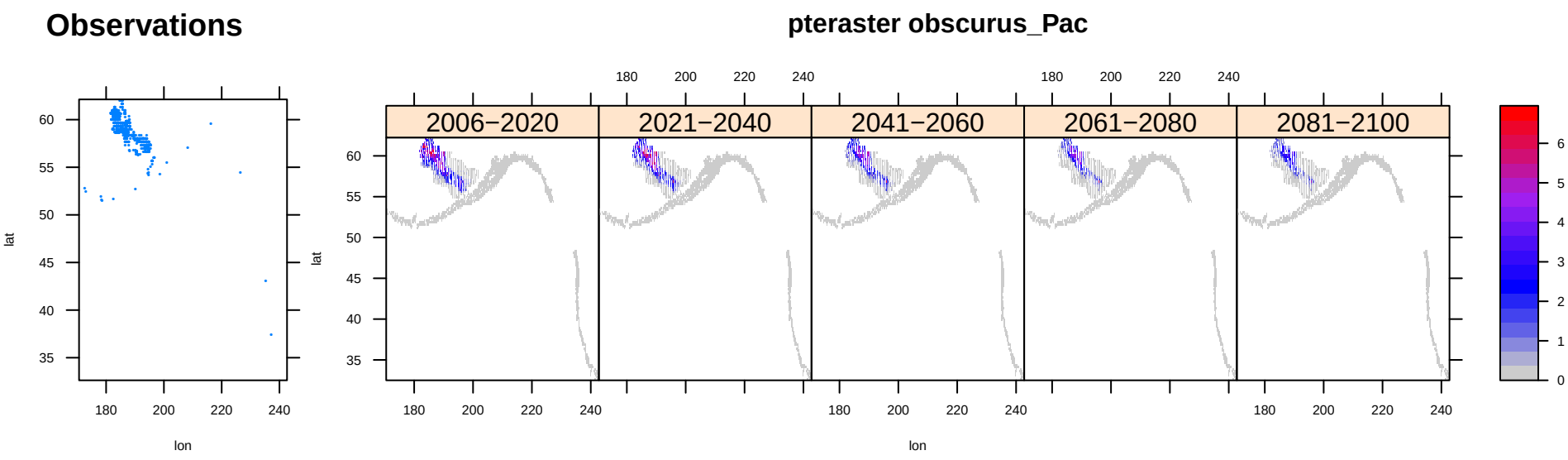
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pteraster obscurus_Pac
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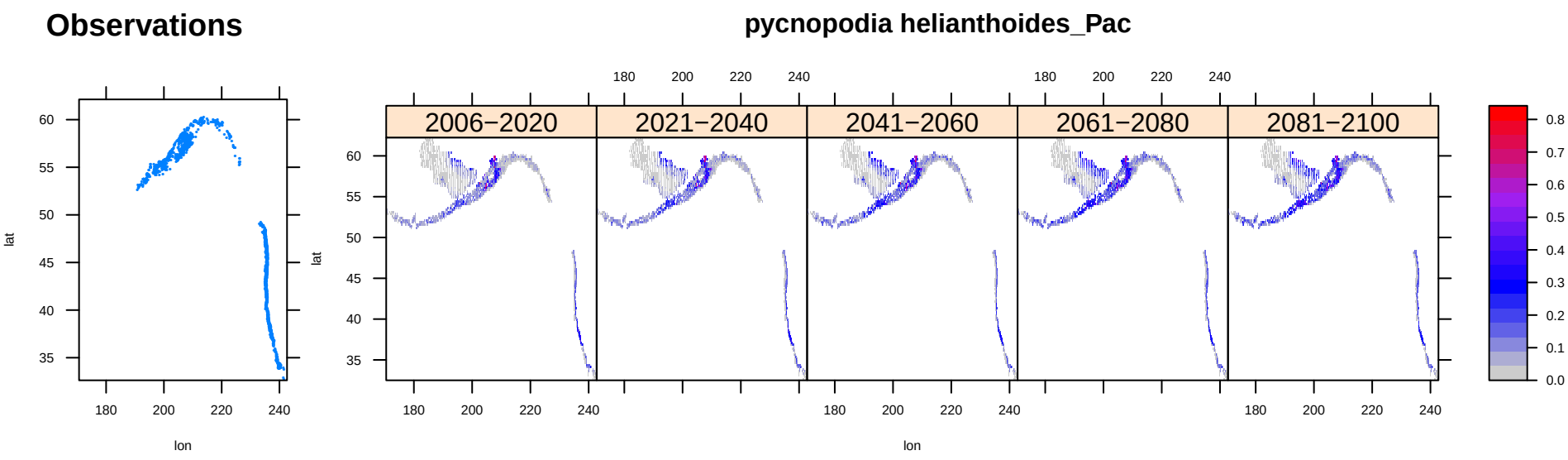
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pycnopodia helianthoides_Pac
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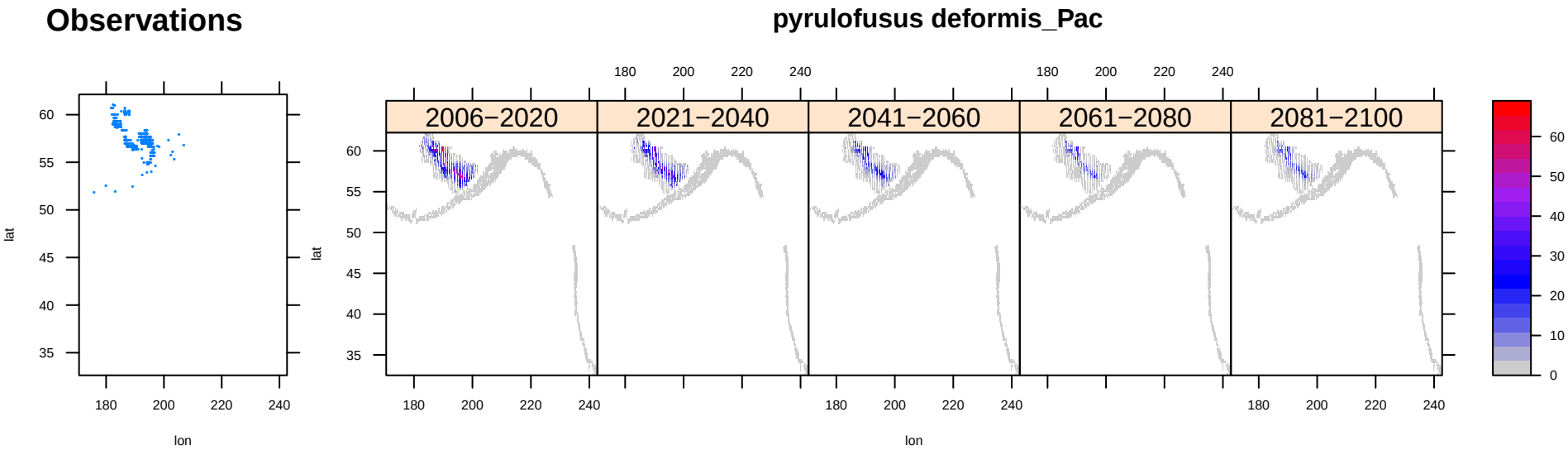
Observations
pyrulofusus deformis_Pac
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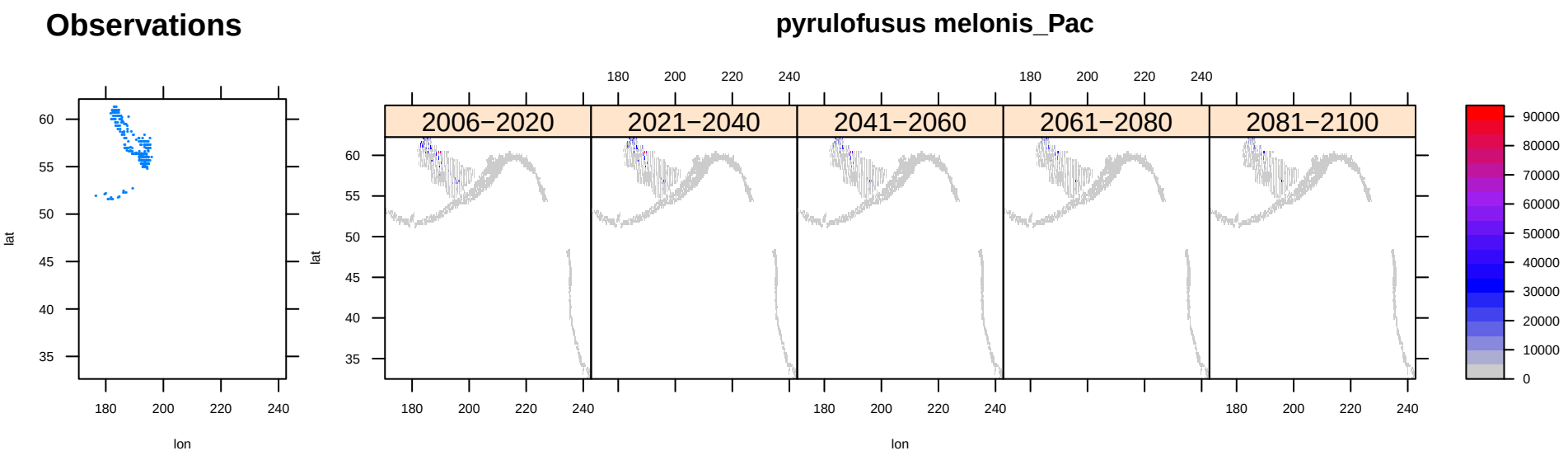
Observations
pyrulofusus melonis_Pac
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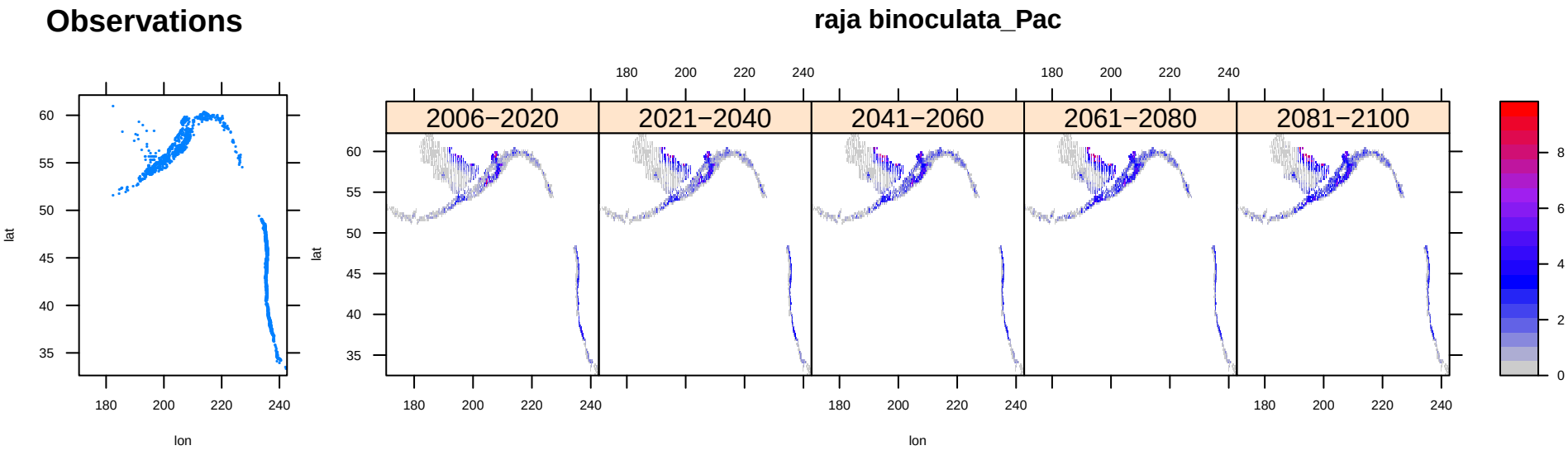
Observations
raja binoculata_Pac
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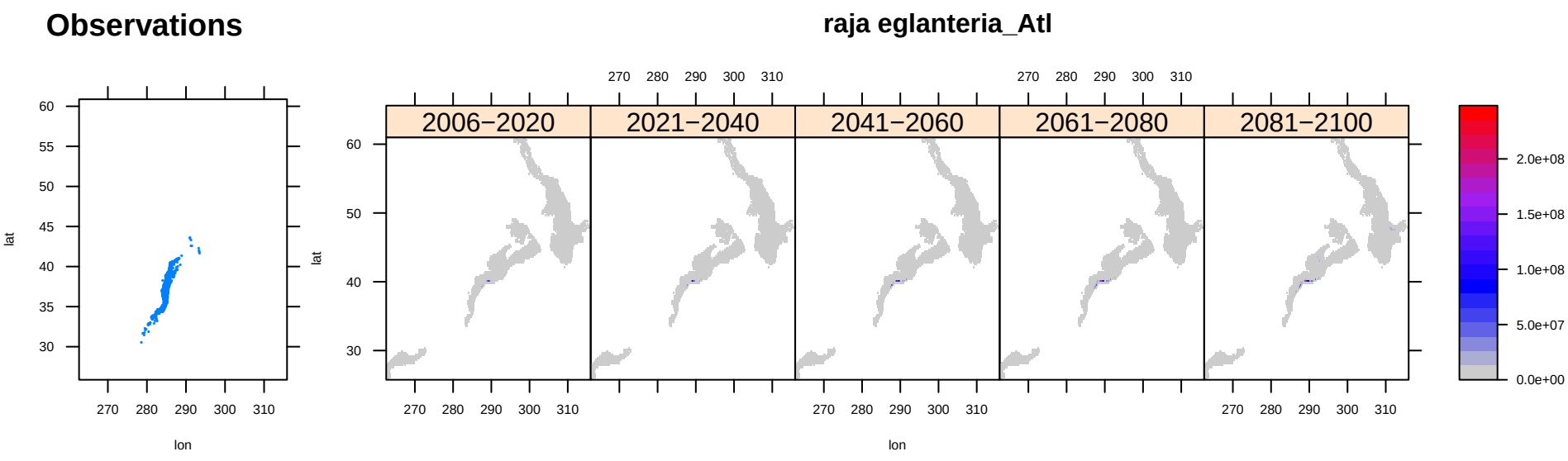
Observations
raja eglanteria_Atl
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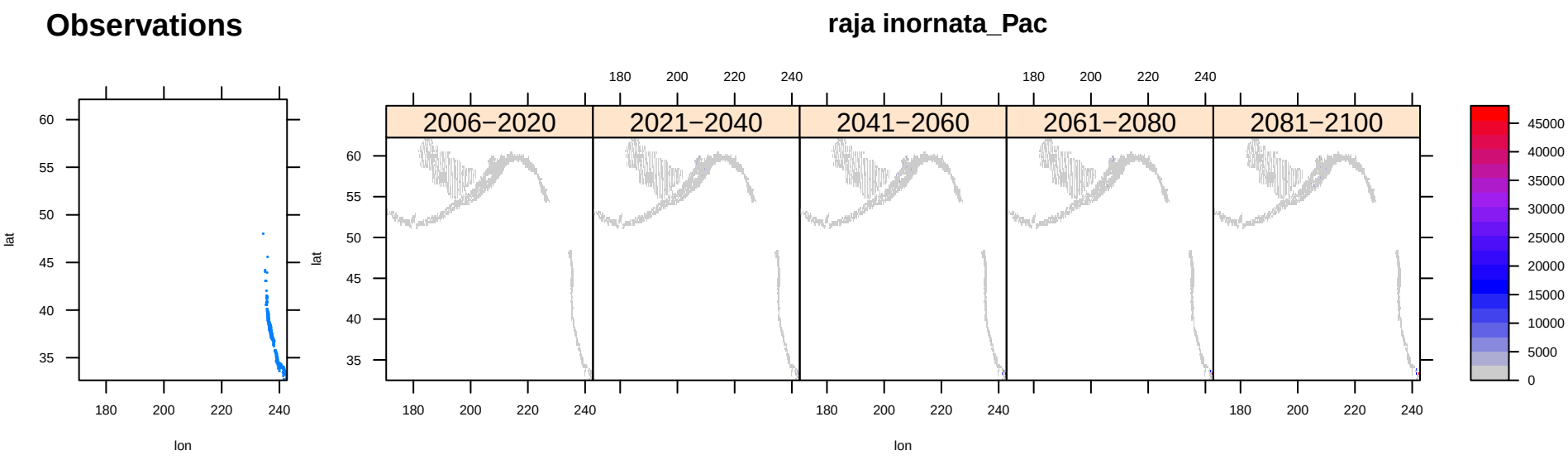
Observations
raja inornata_Pac
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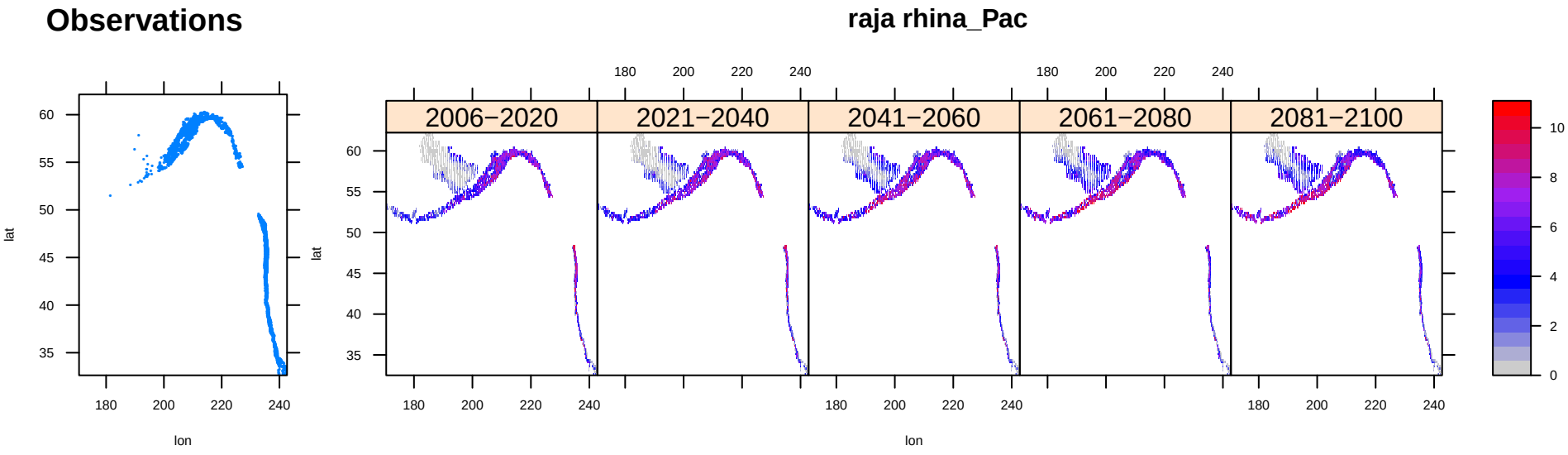
Observations
raja rhina_Pac
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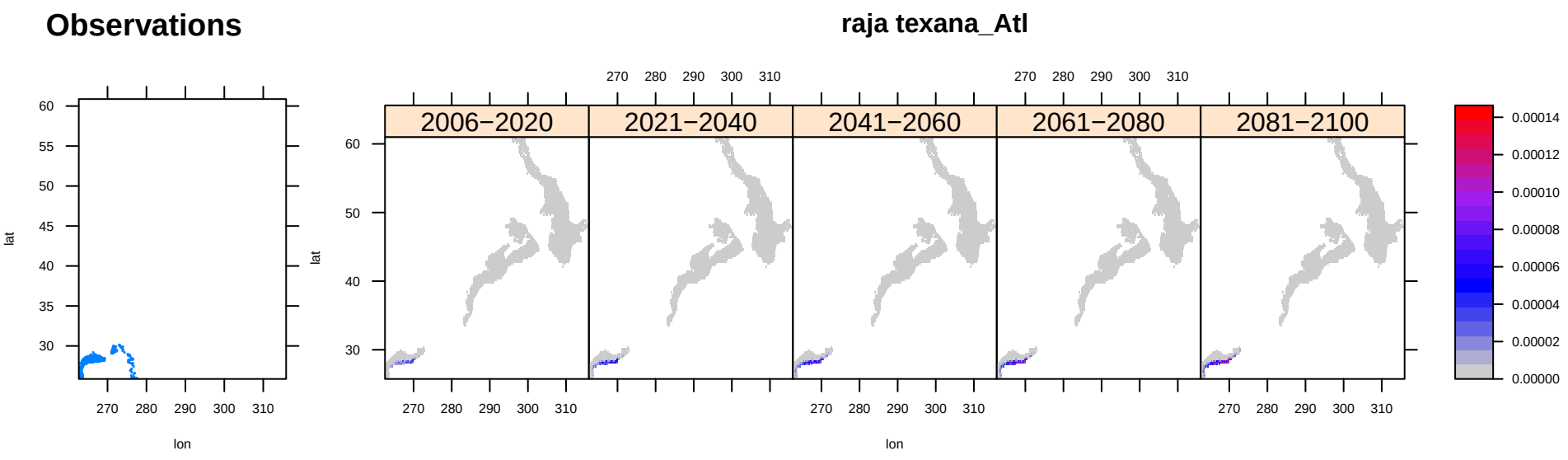
Observations
raja texana_Atl
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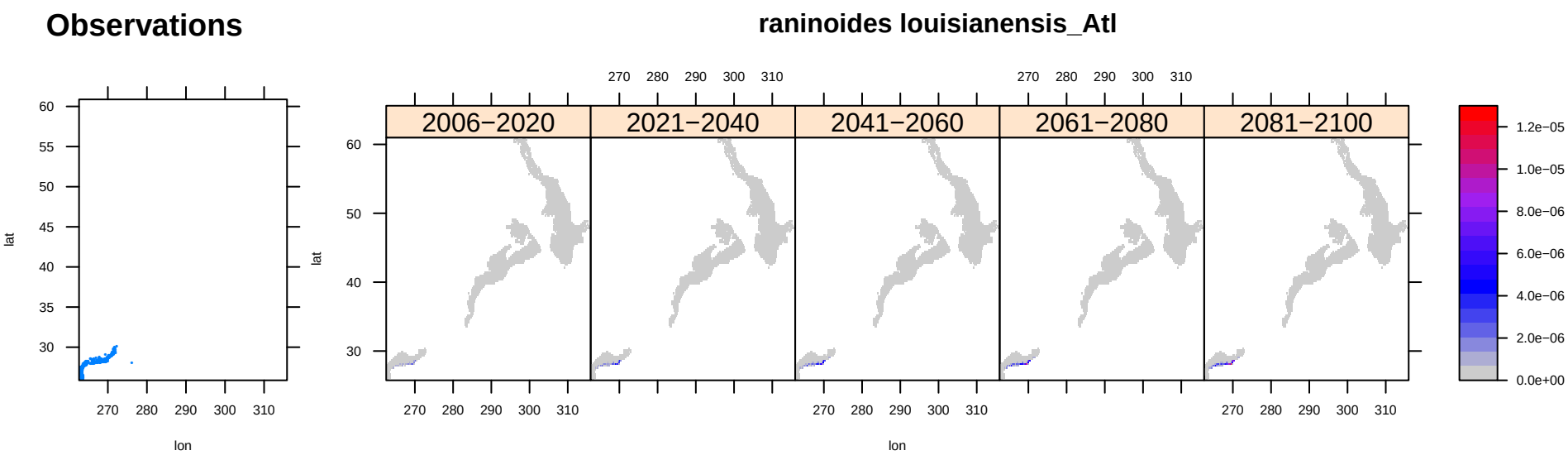
Observations
raninoides louisianensis_Atl
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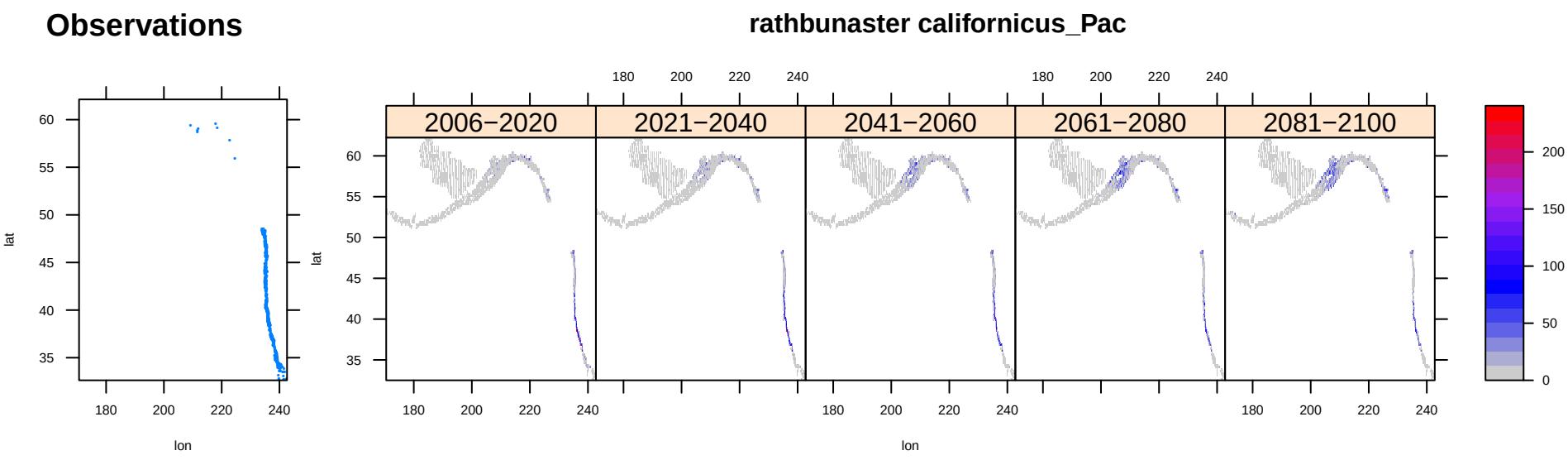
Observations
rathbunaster californicus_Pac
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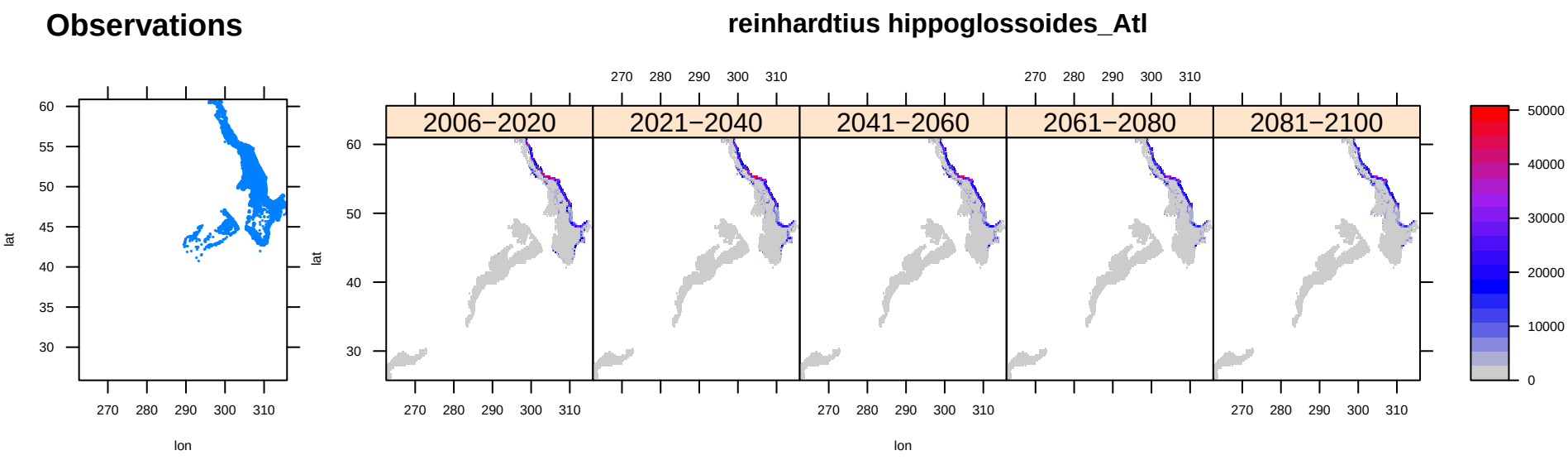
Observations
reinhardtius hippoglossoides_Atl
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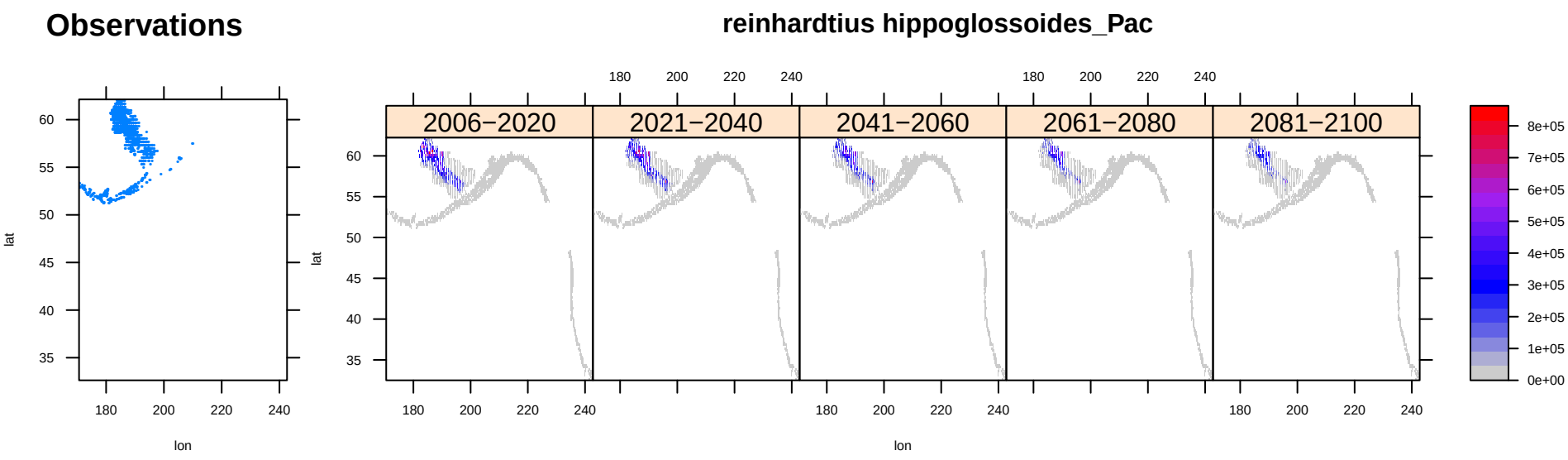
Observations
reinhardtius hippoglossoides_Pac
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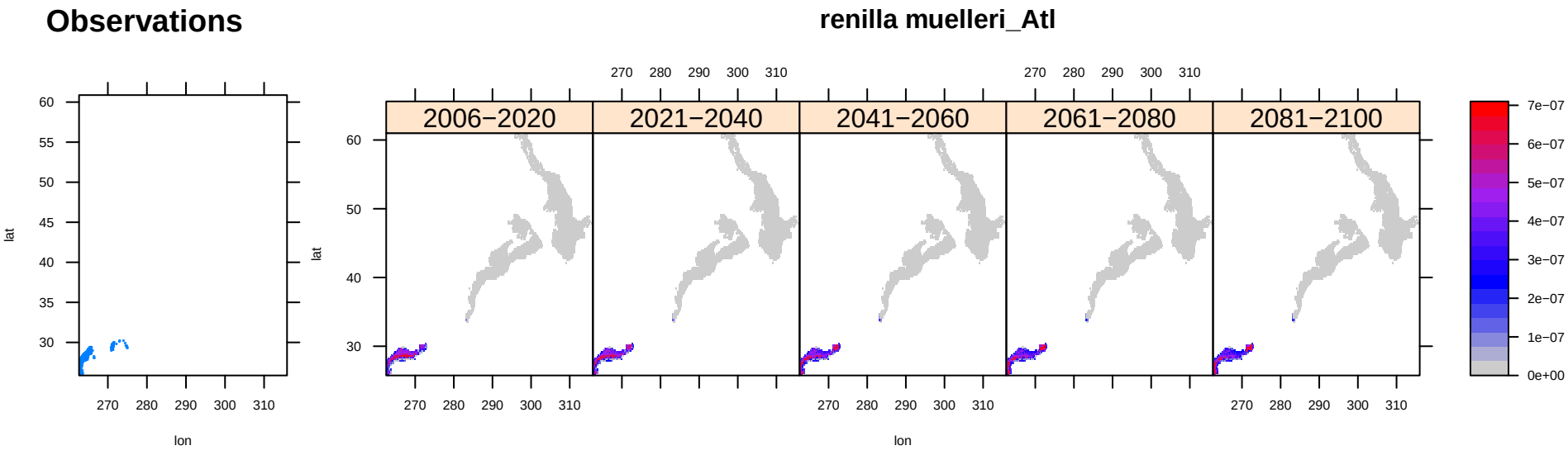
Observations
renilla muelleri_Atl
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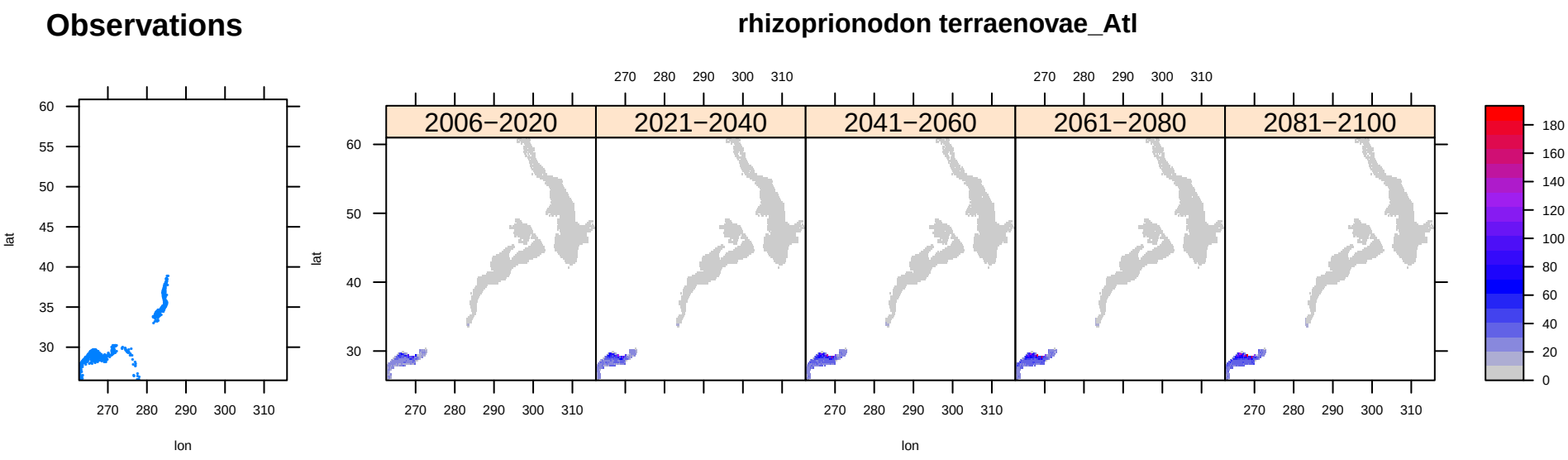
Observations
rhizoprionodon terraenovae_Atl
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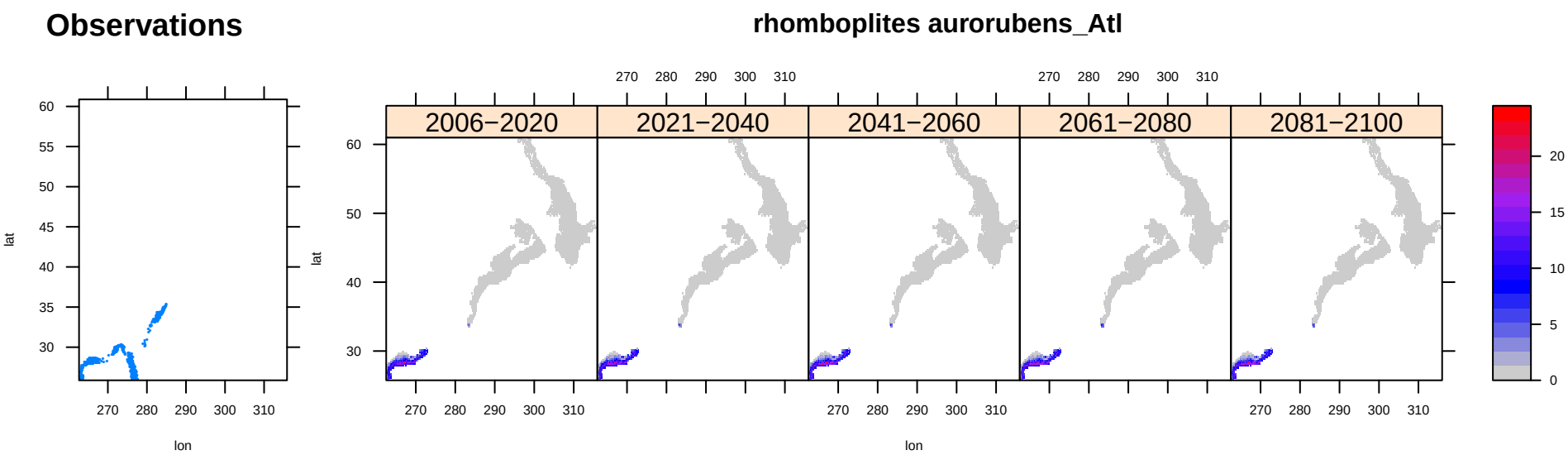
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rhomboplites aurorubens_Atl
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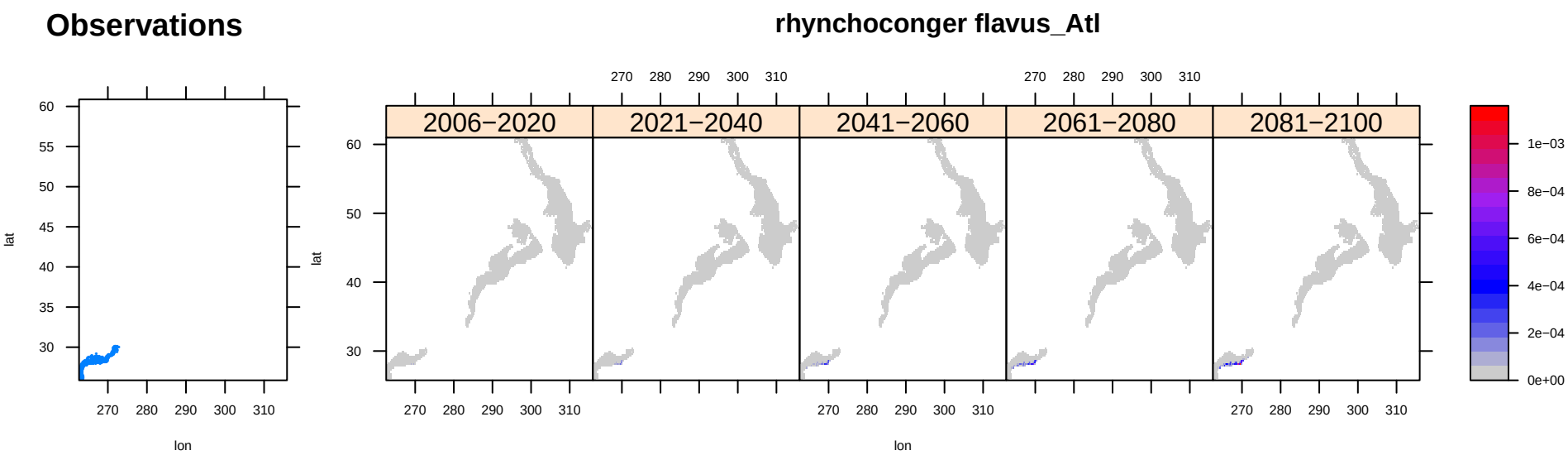
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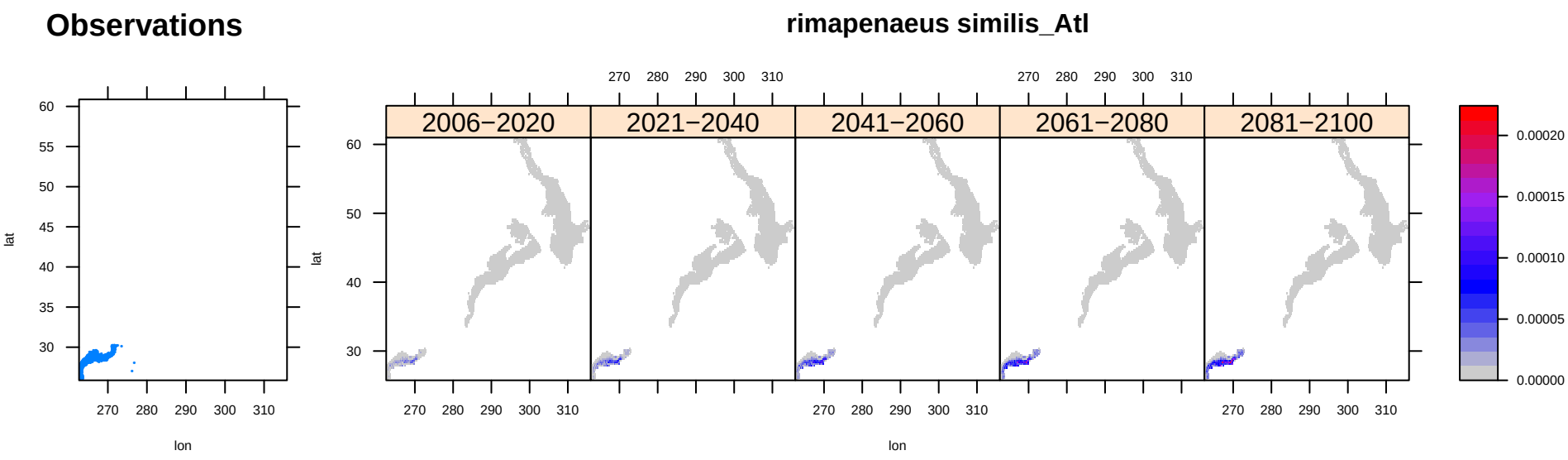
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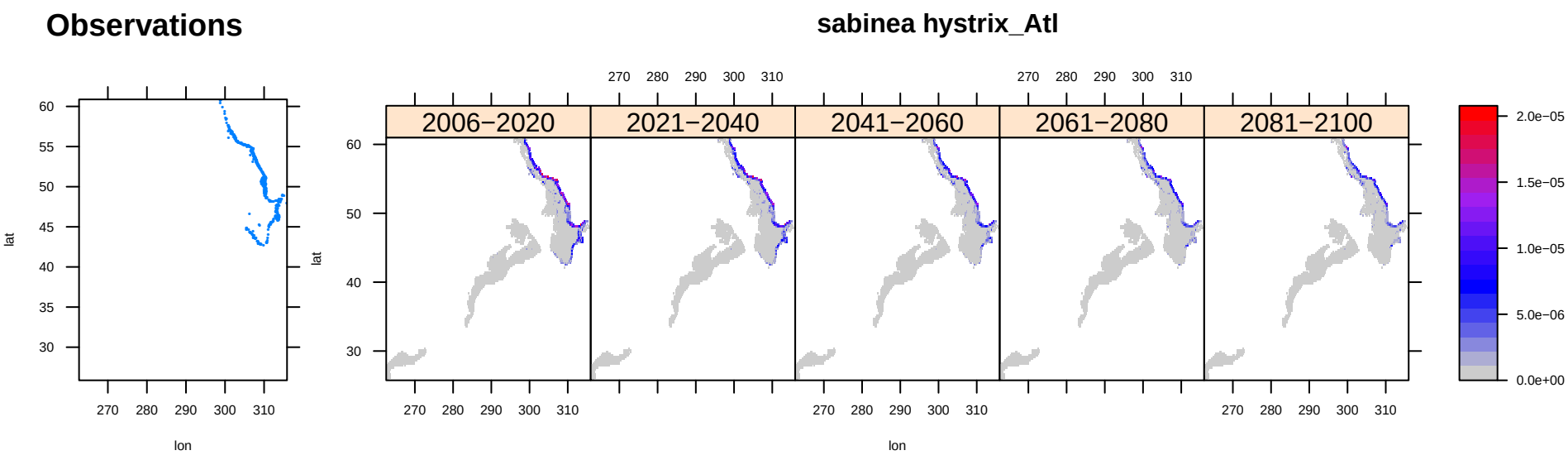
Observations
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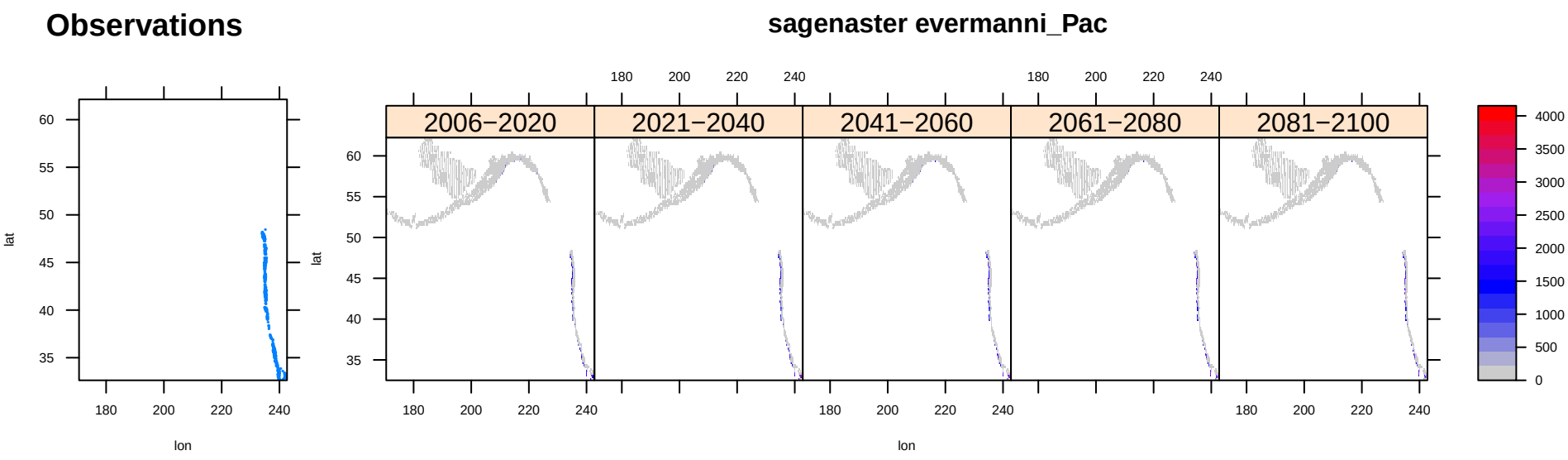
Observations
sagenaster evermanni_Pac
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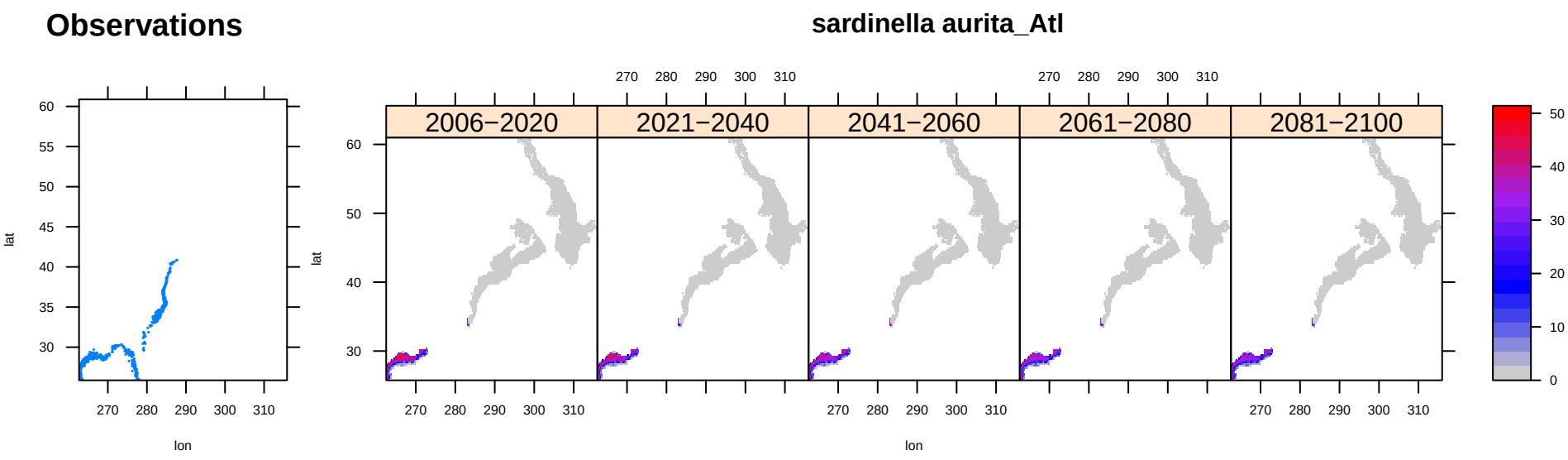
Observations
sardinella aurita_Atl
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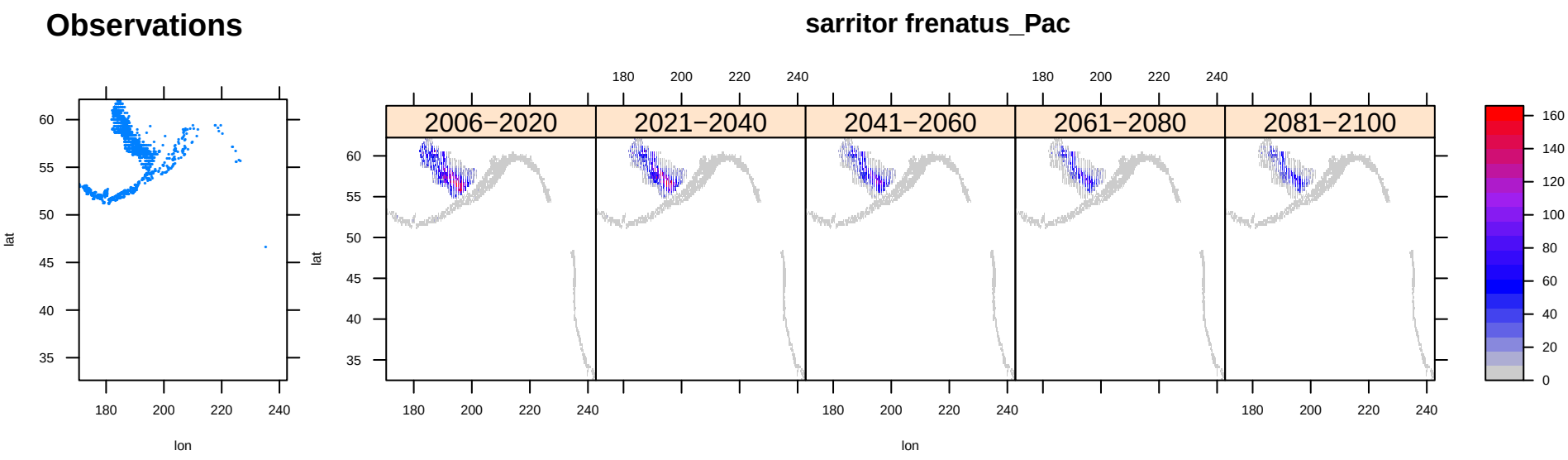
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sarritor frenatus_Pac
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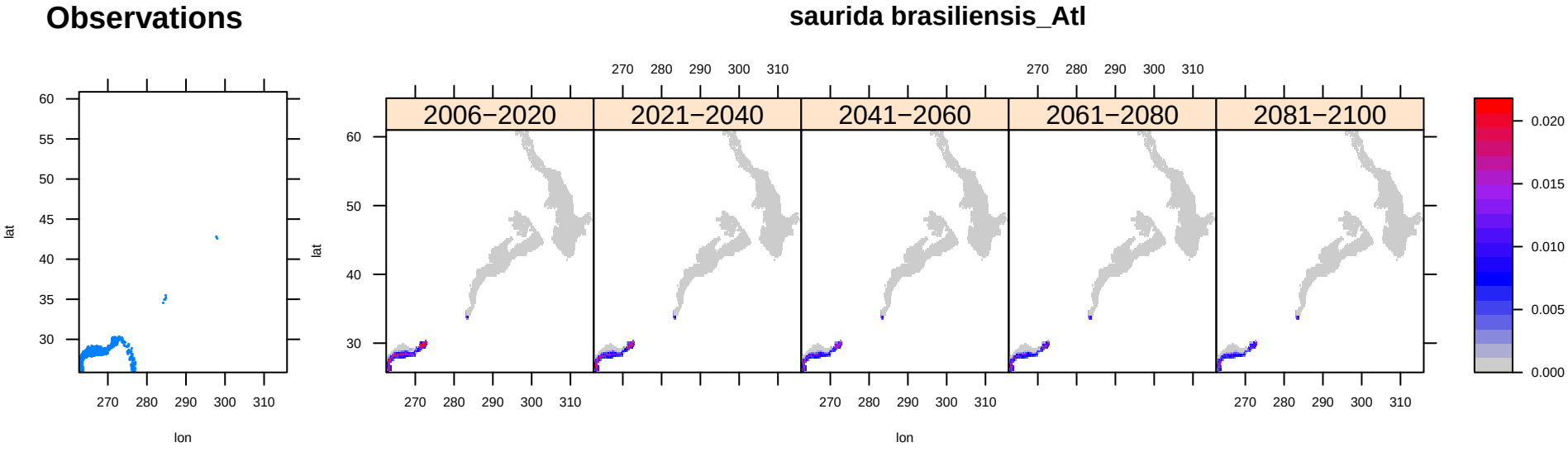
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saurida brasiliensis_Atl
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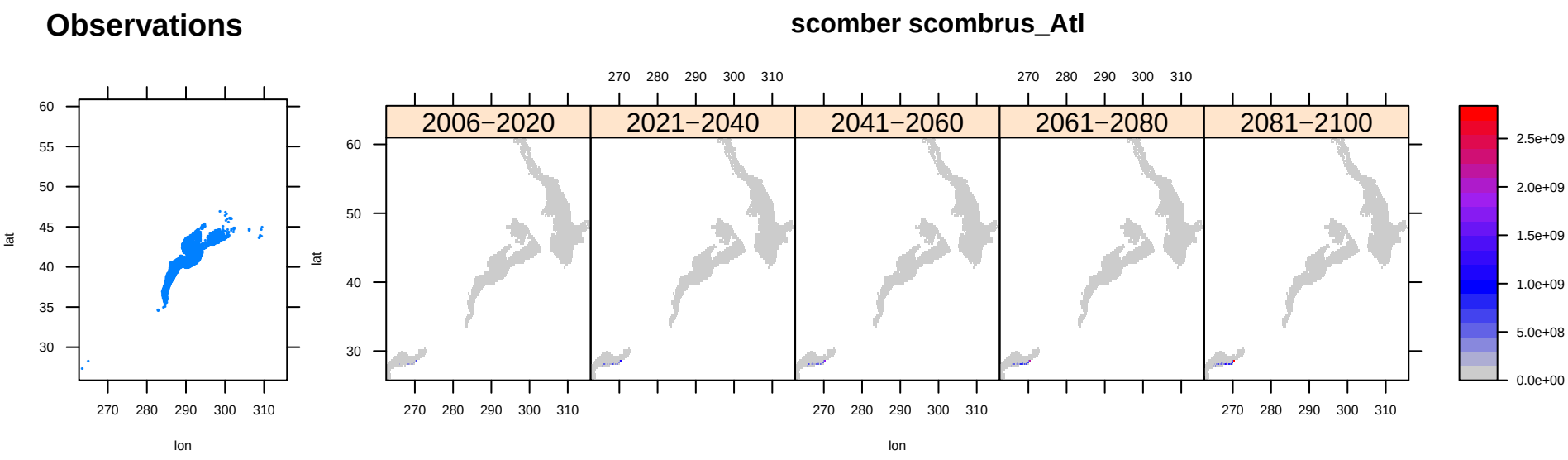
Observations
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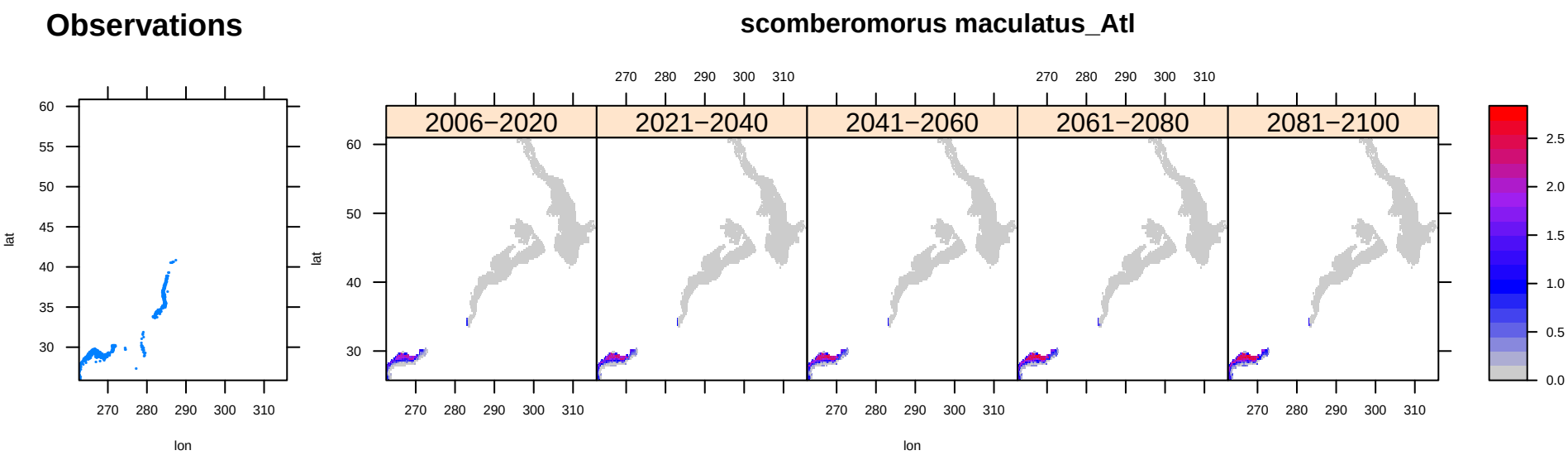
Observations
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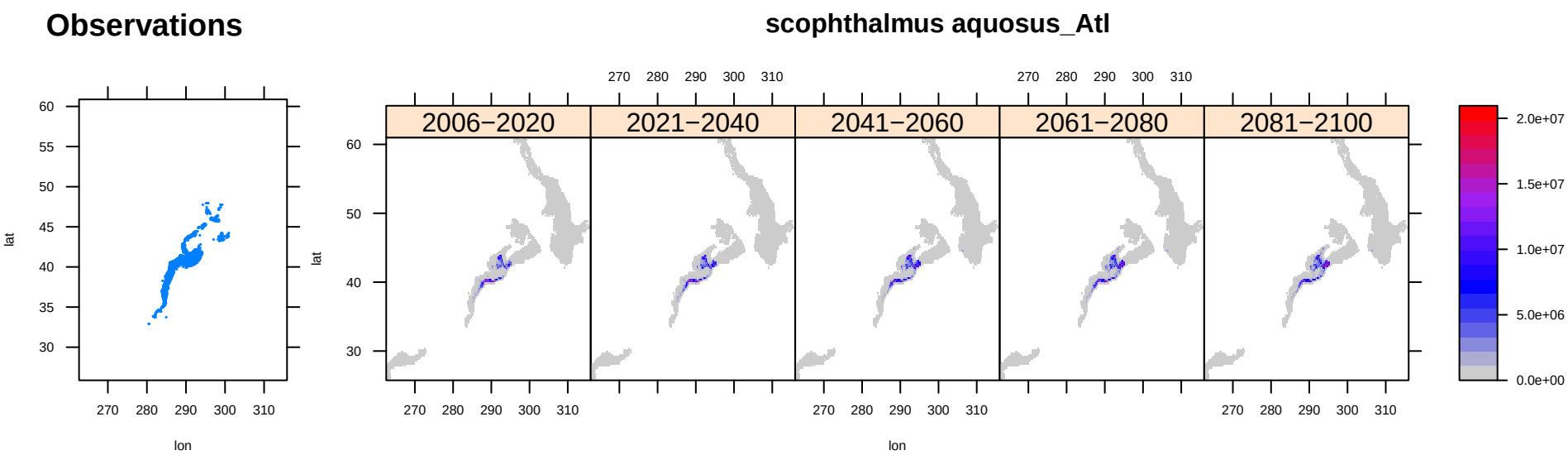
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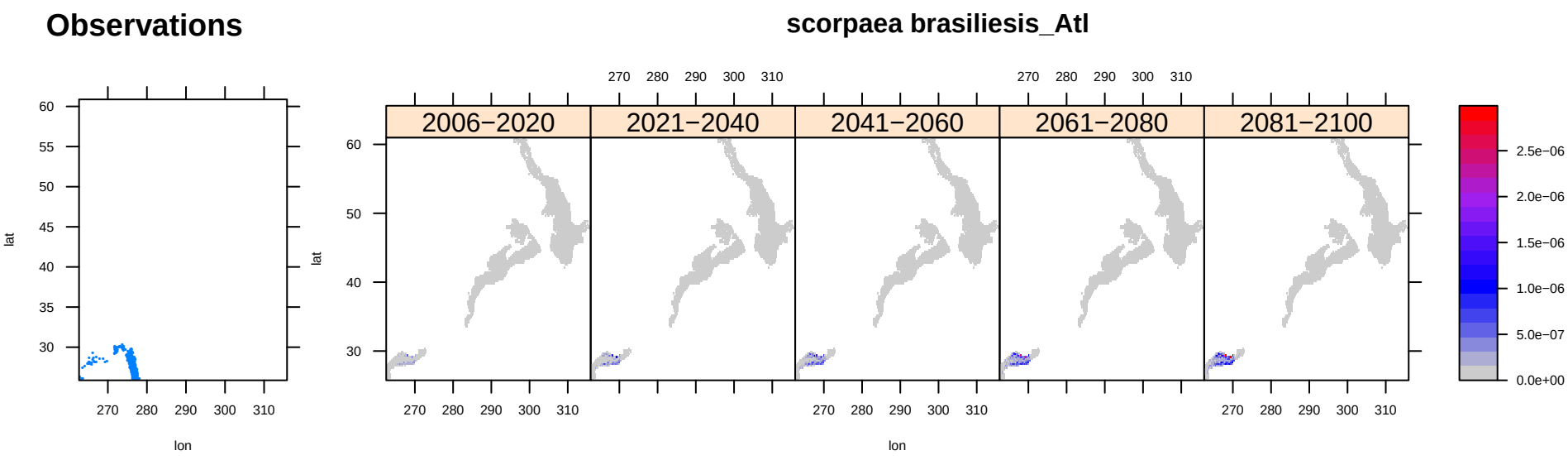
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scorpaea brasiliesis_Atl
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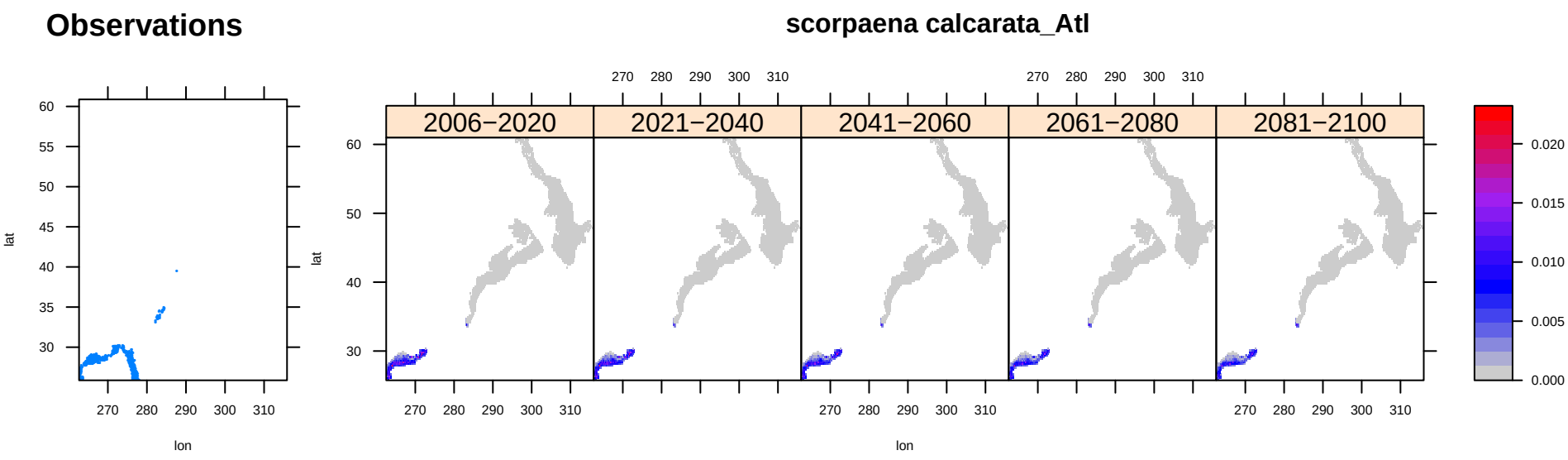
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scorpaena calcarata_Atl
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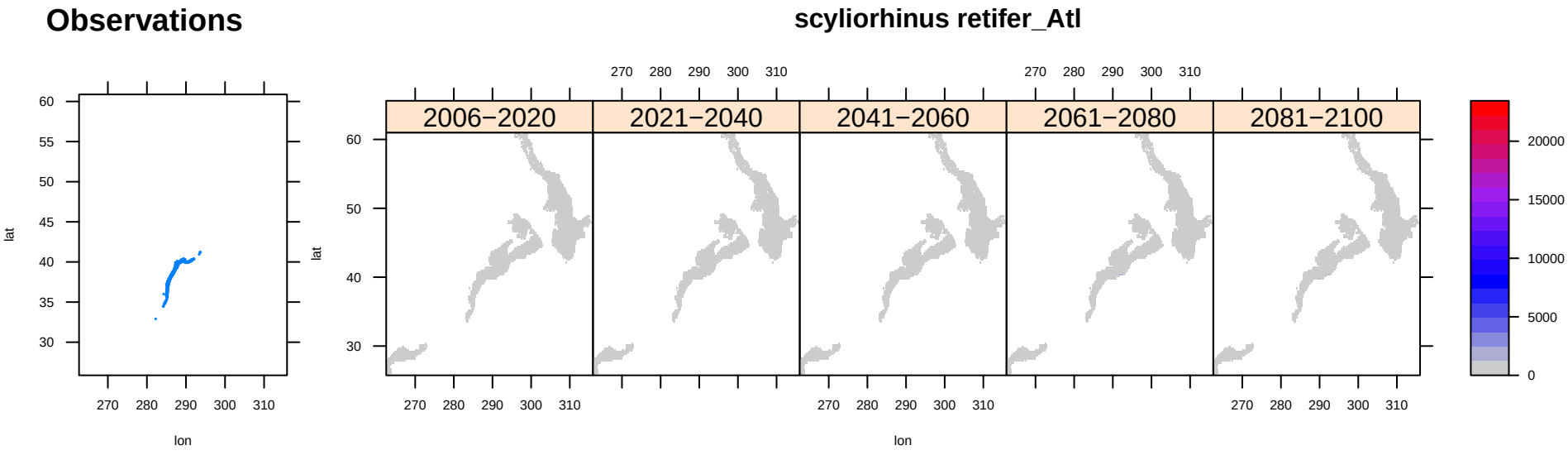
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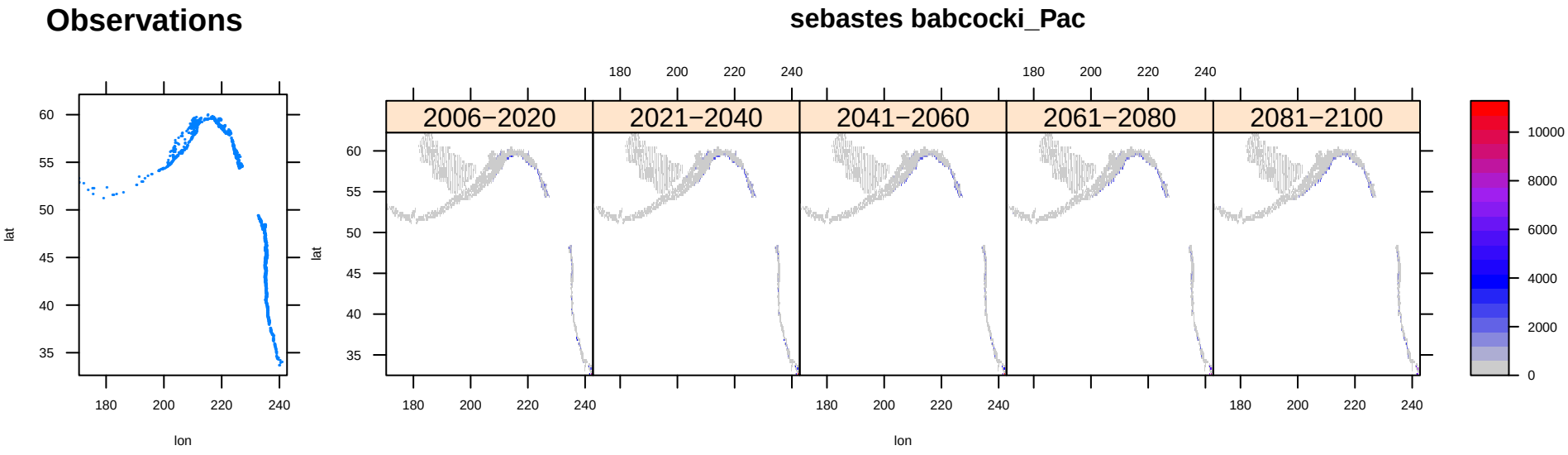
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sebastes babcocki_Pac
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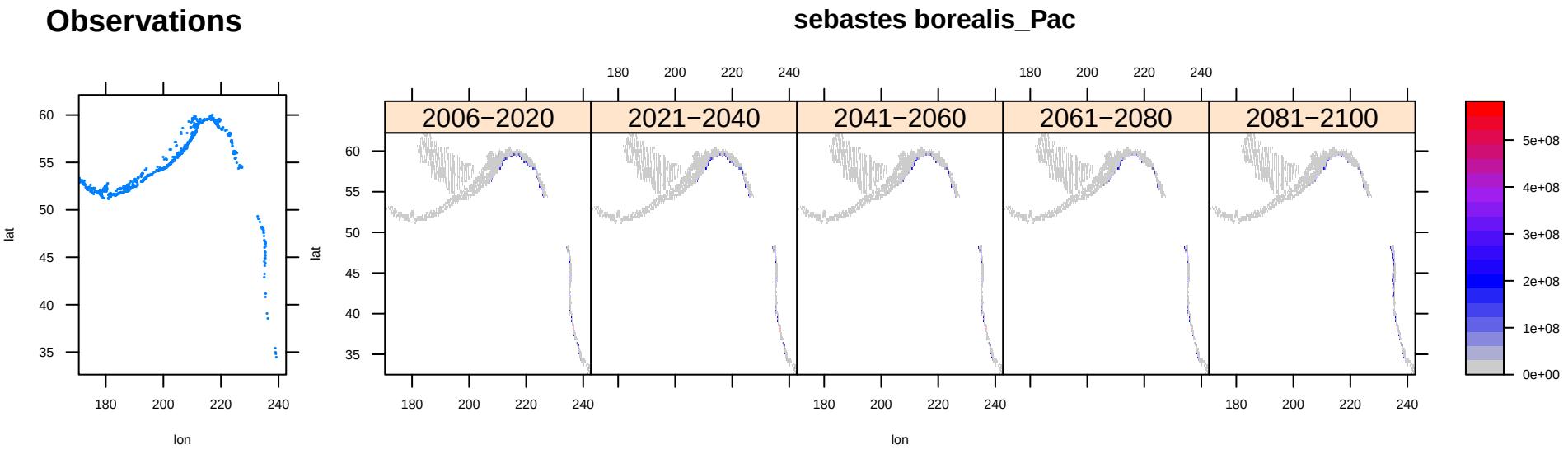
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sebastes borealis_Pac
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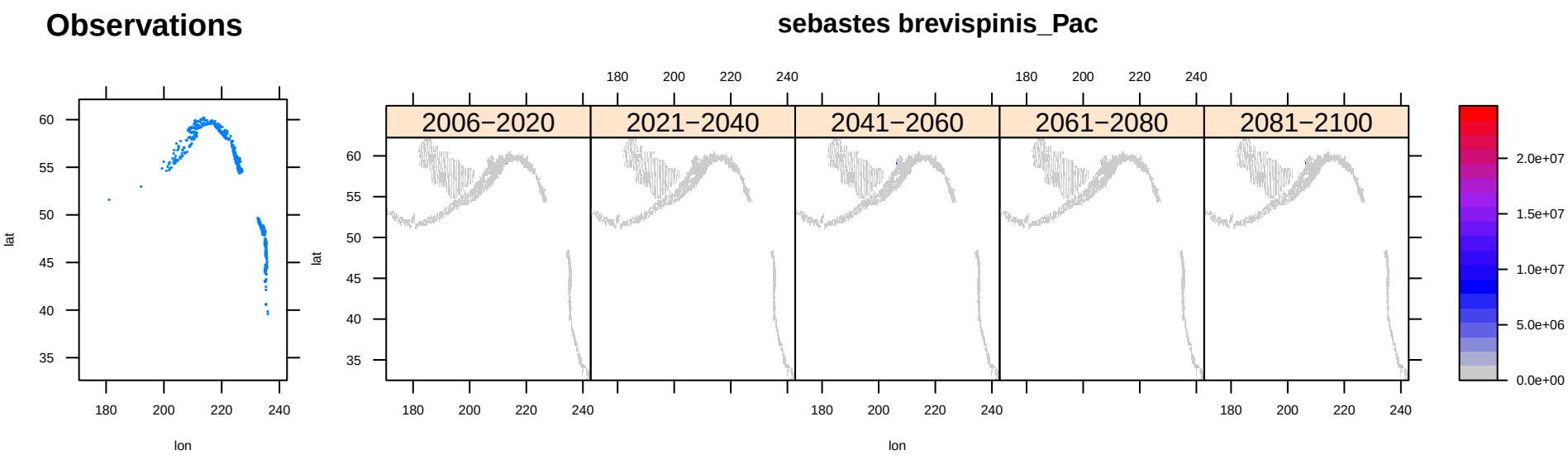
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sebastes brevispinis_Pac
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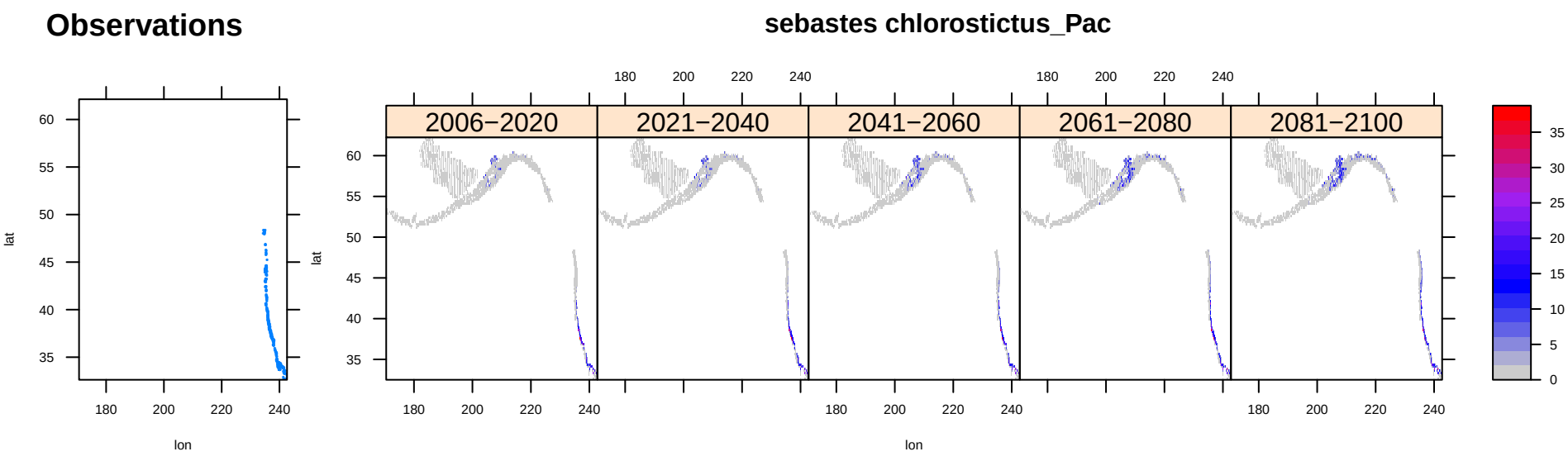
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sebastes chlorostictus_Pac
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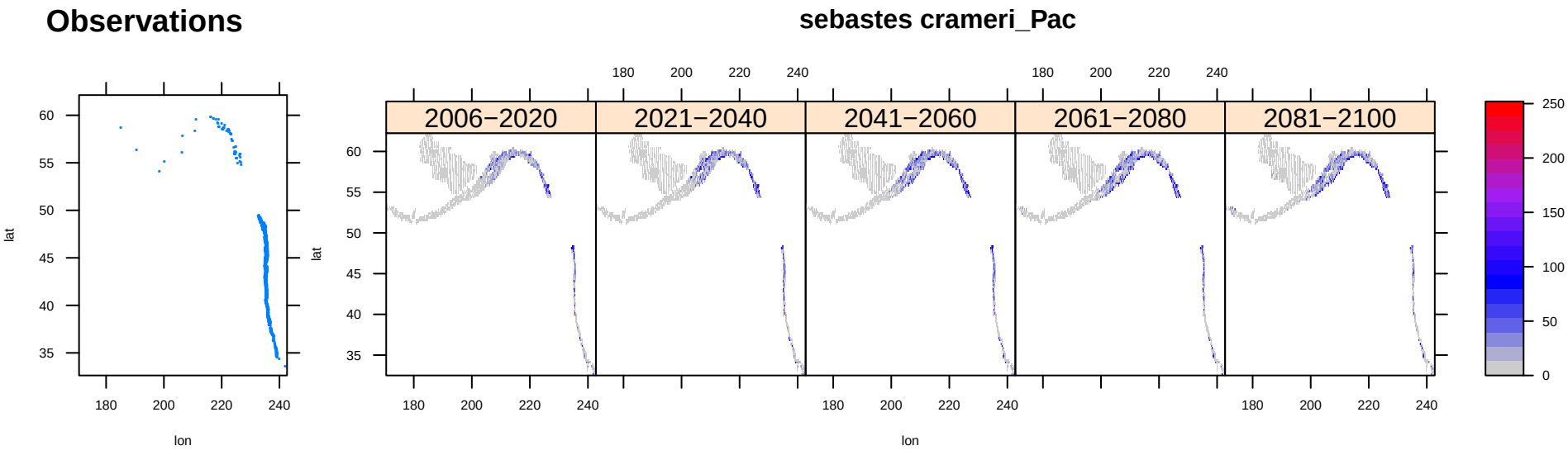
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sebastes crameri_Pac
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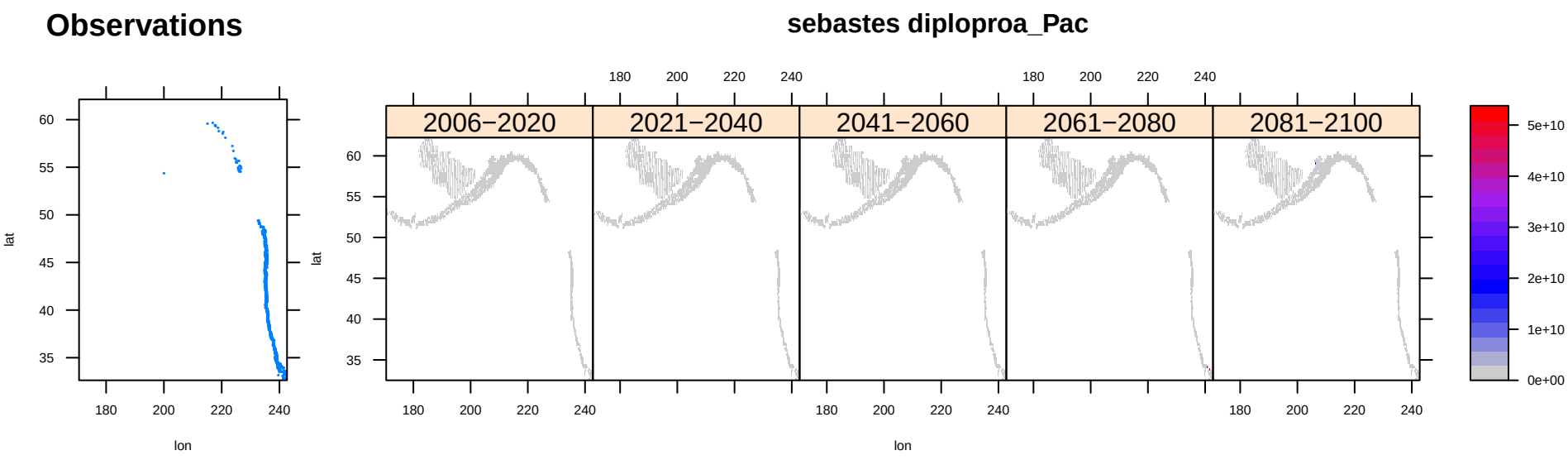
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sebastes diploproa_Pac
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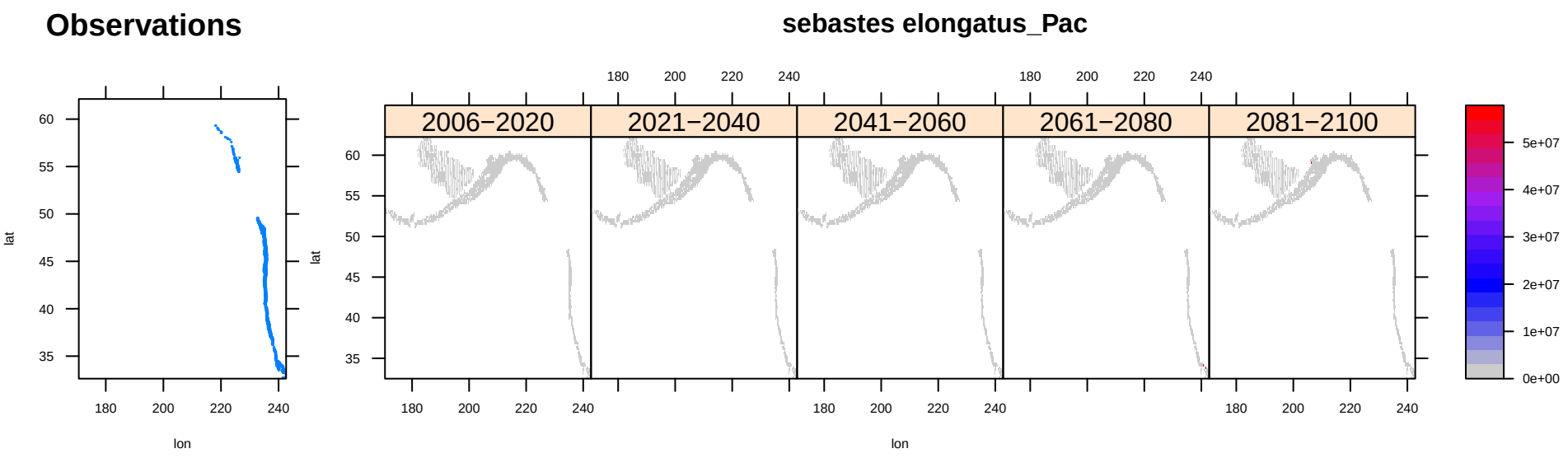
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sebastes elongatus_Pac
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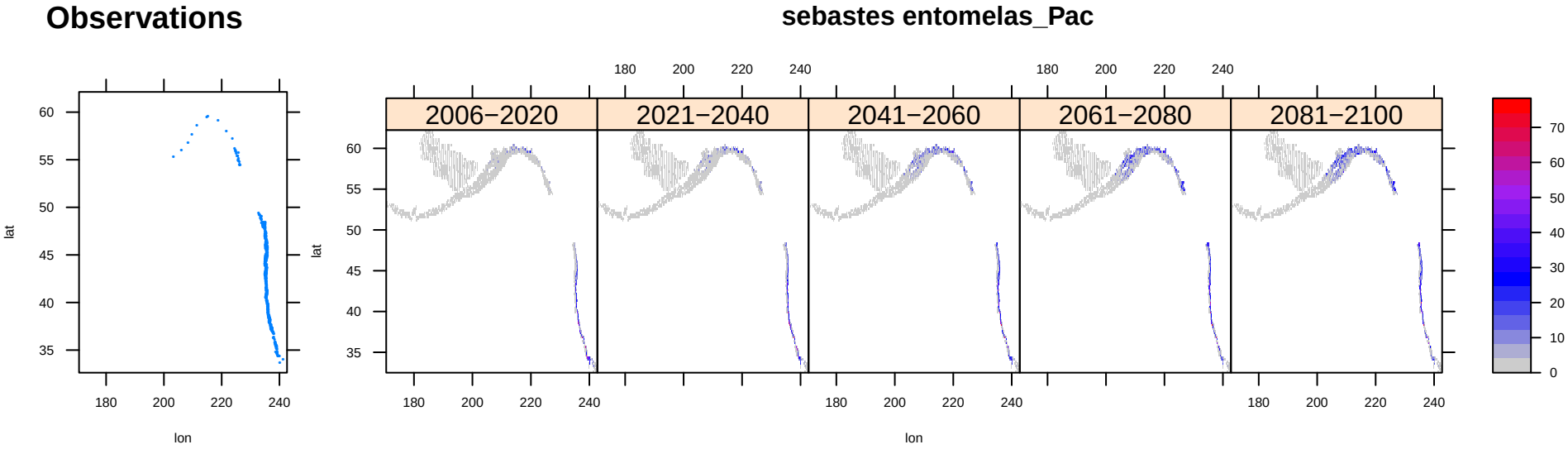
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sebastes entomelas_Pac
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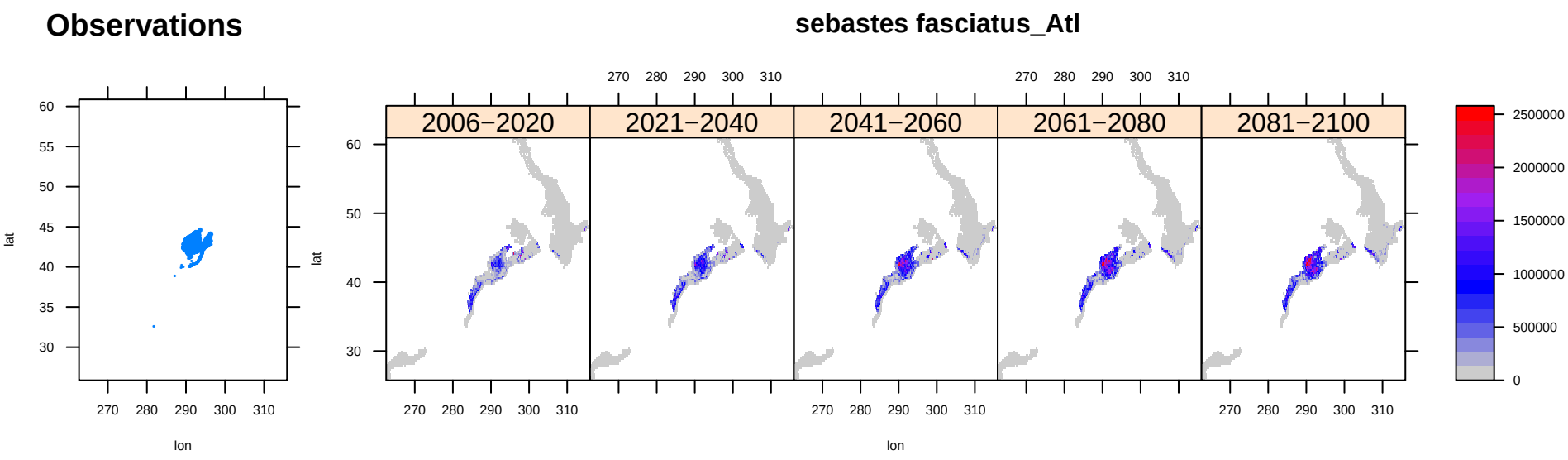
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sebastes fasciatus_Atl
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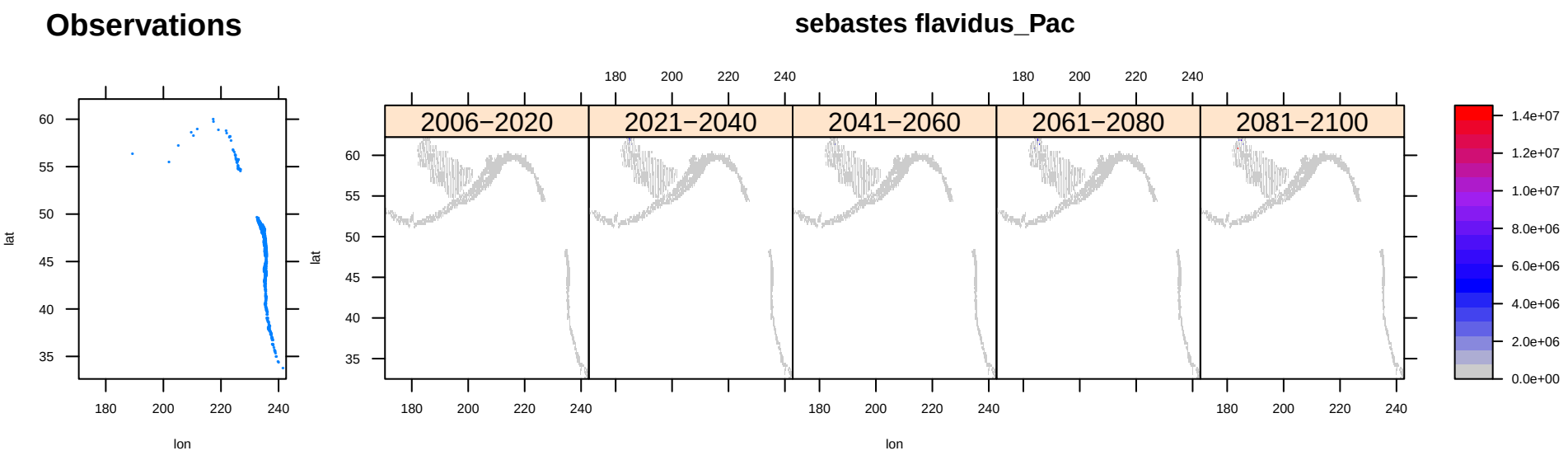
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sebastes flavidus_Pac
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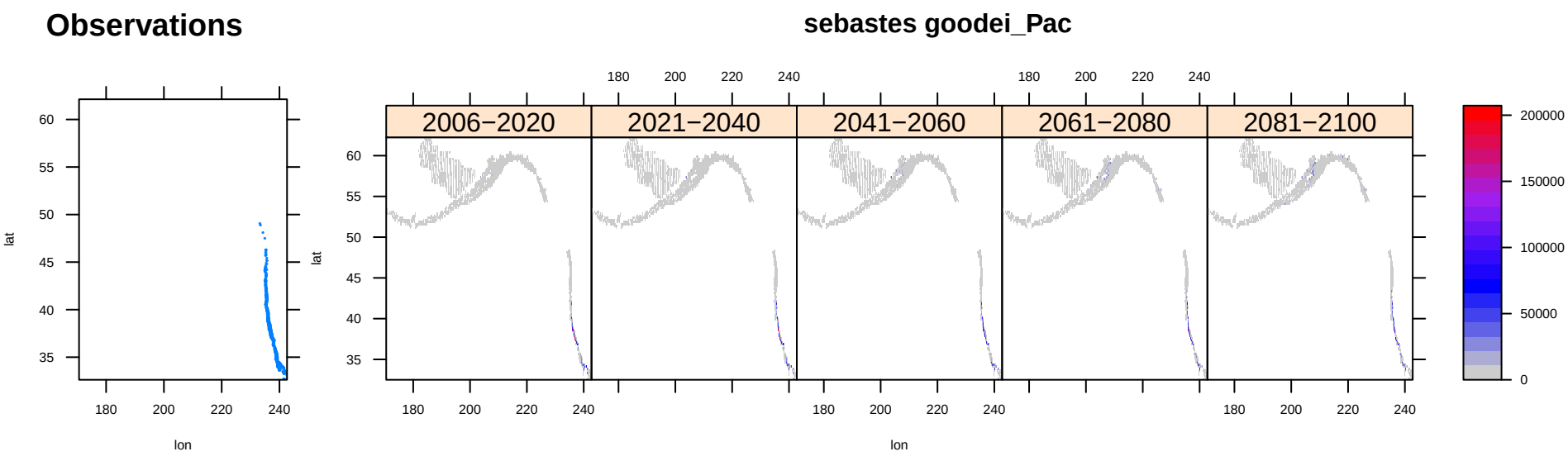
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sebastes goodei_Pac
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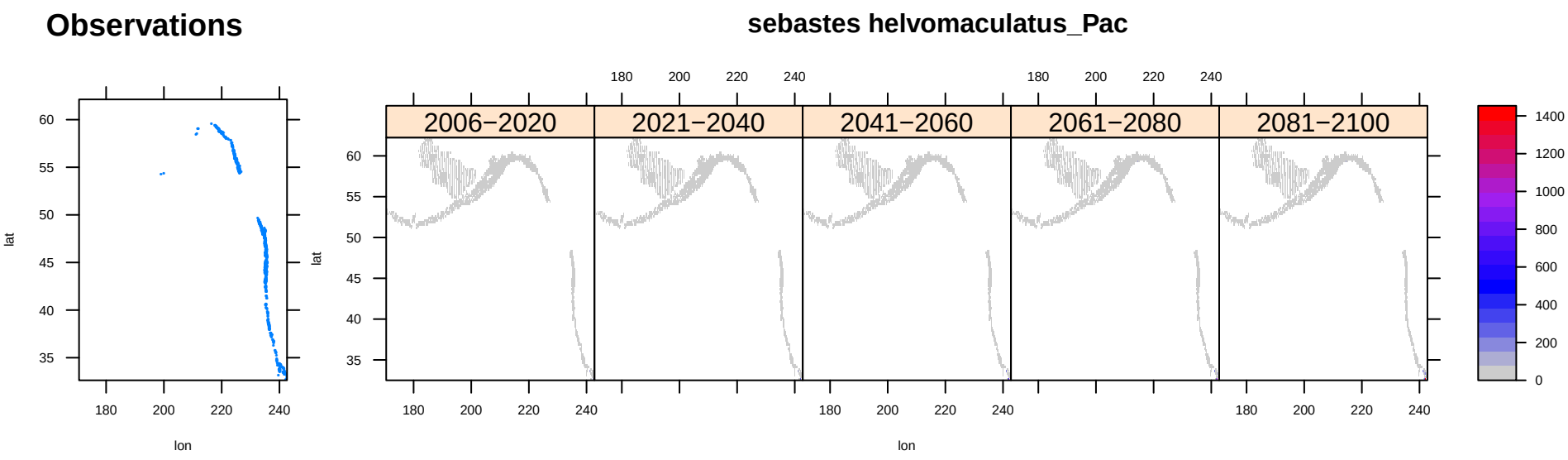
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sebastes helvomaculatus_Pac
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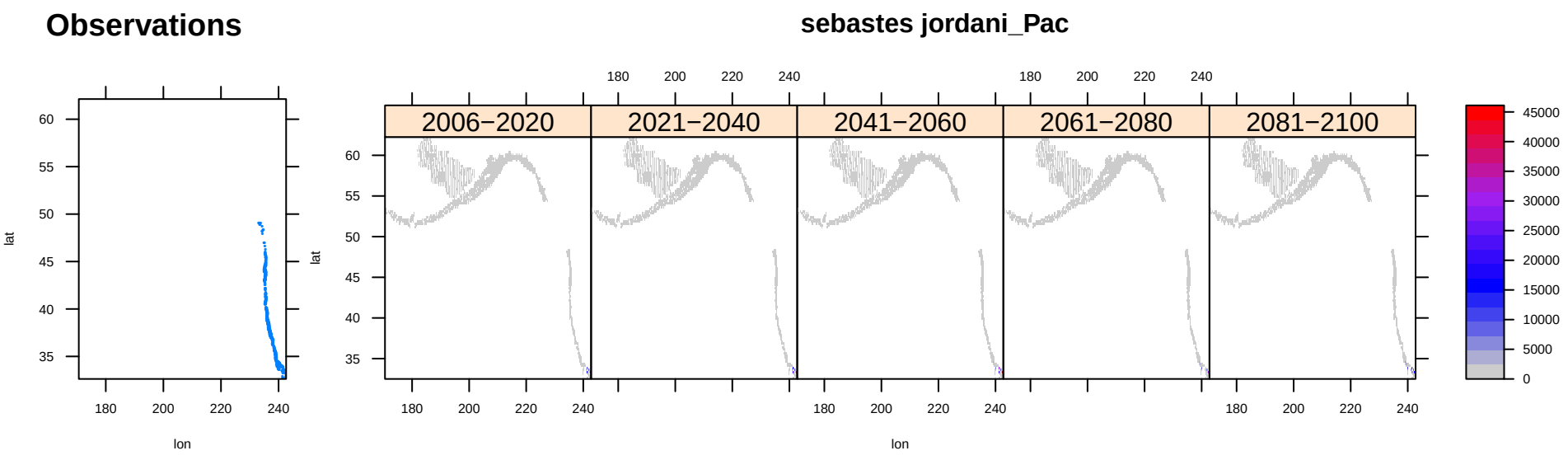
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sebastes jordani_Pac
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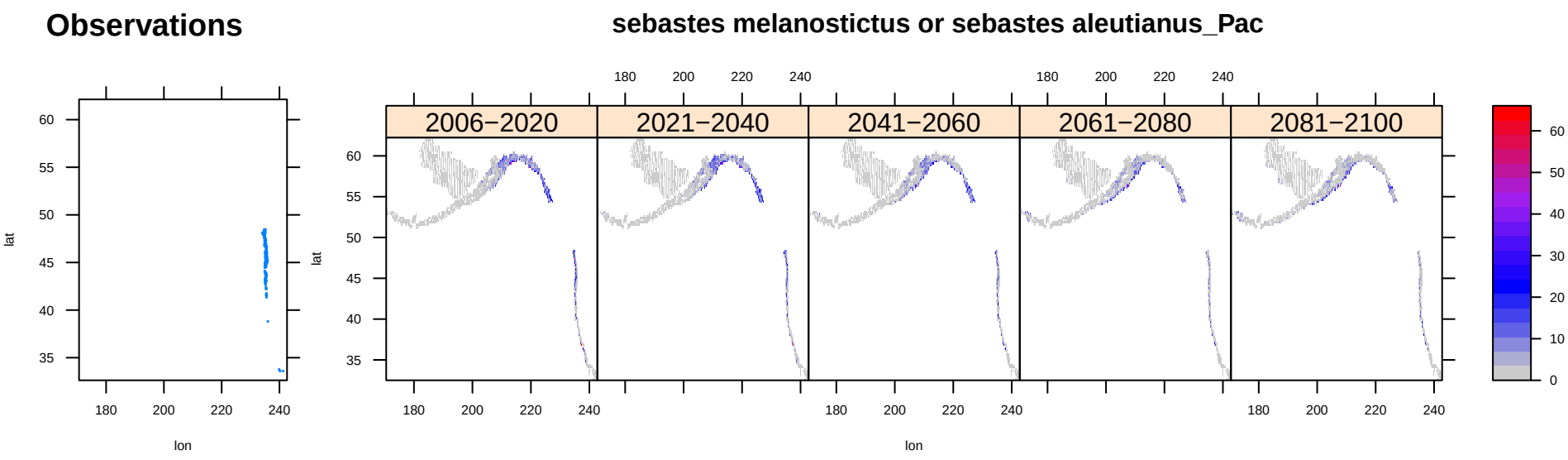
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sebastes melanostictus or sebastes aleutianus_Pac
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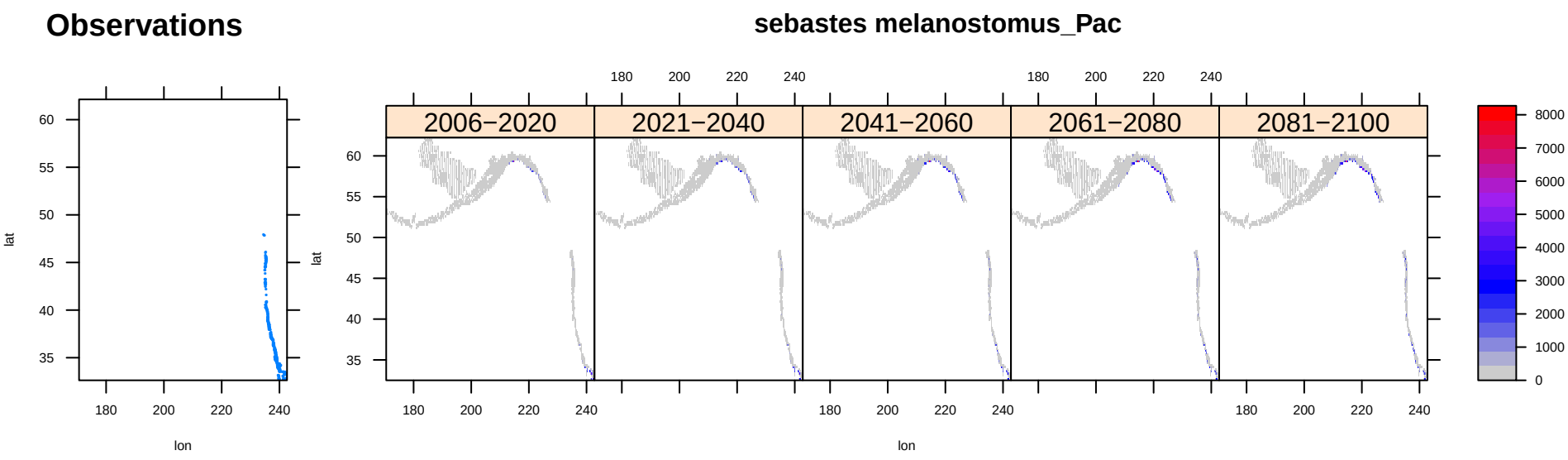
Observations
sebastes melanostomus_Pac
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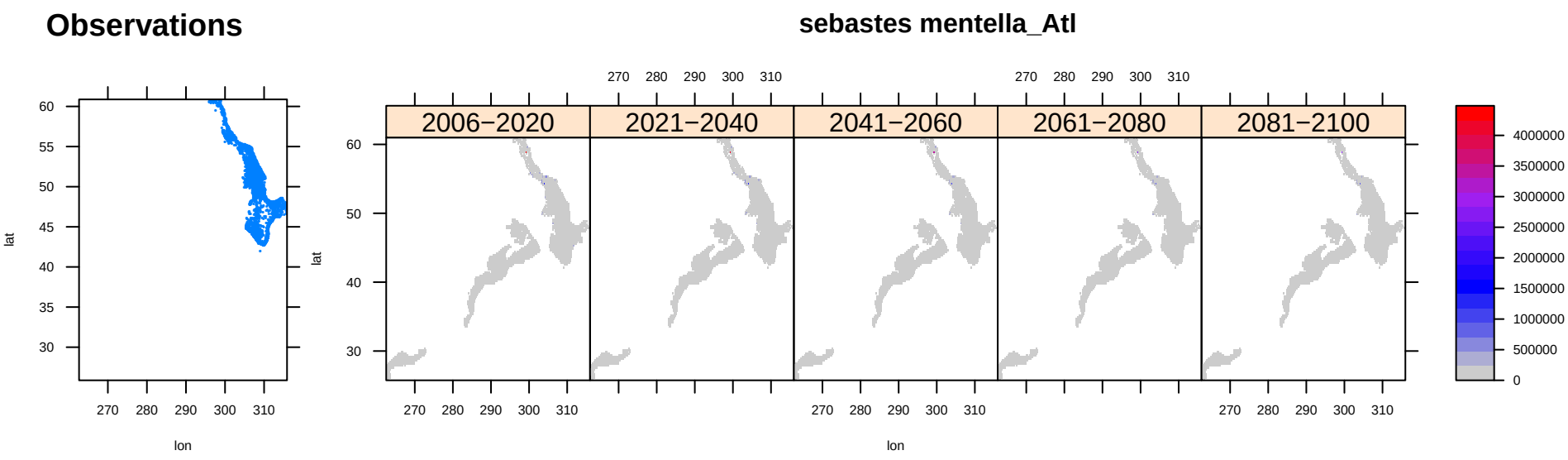
Observations
sebastes mentella_Atl
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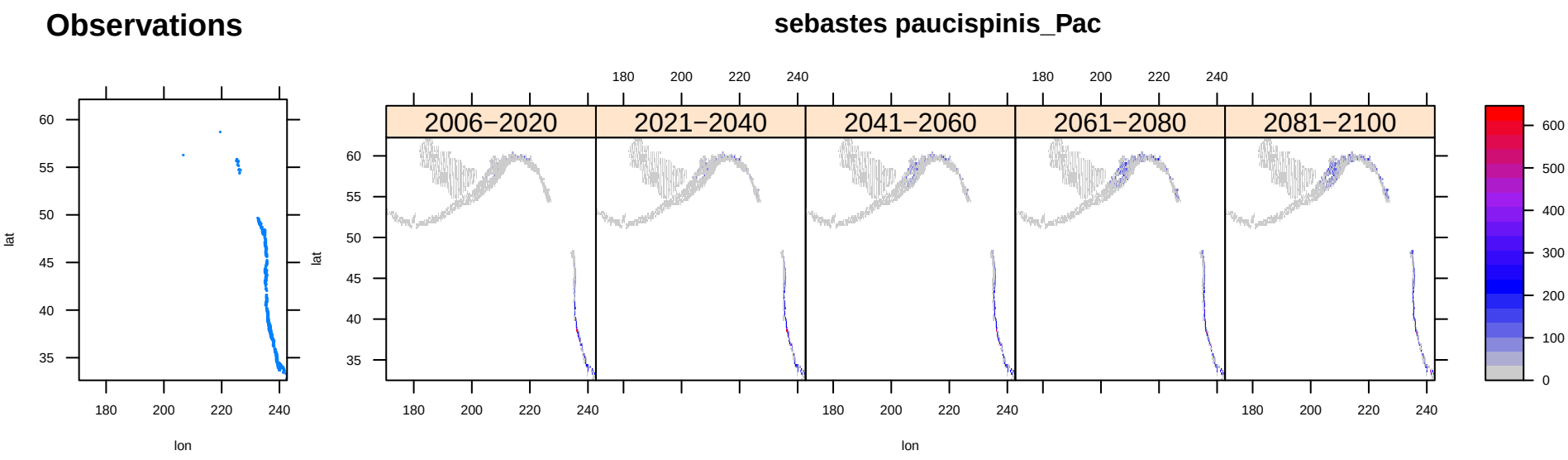
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sebastes paucispinis_Pac
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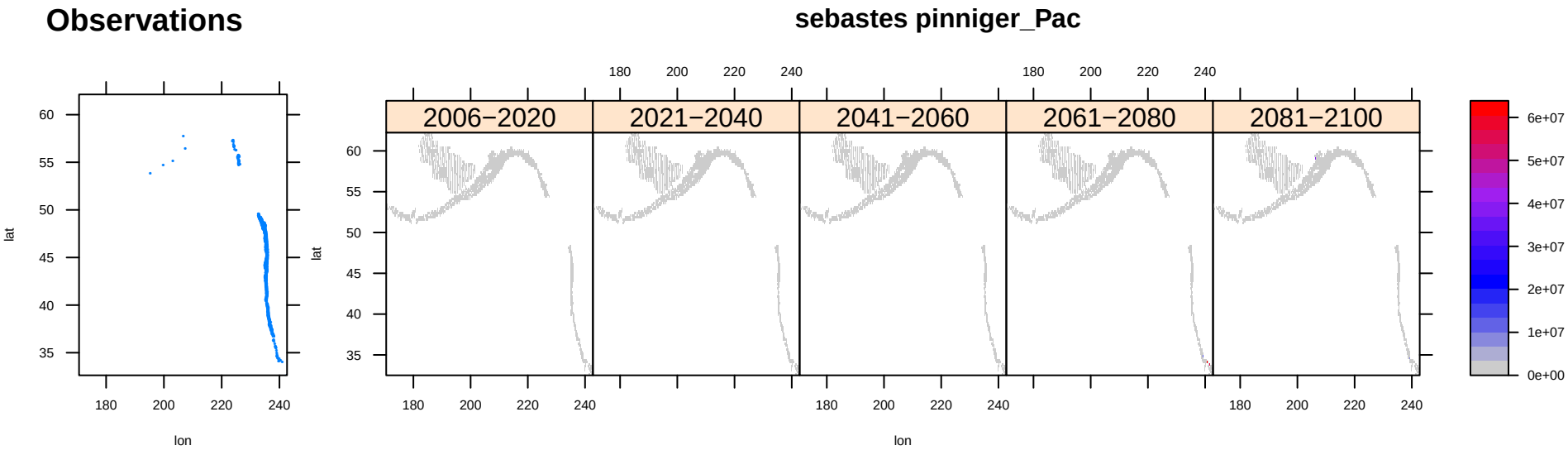
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sebastes pinniger_Pac
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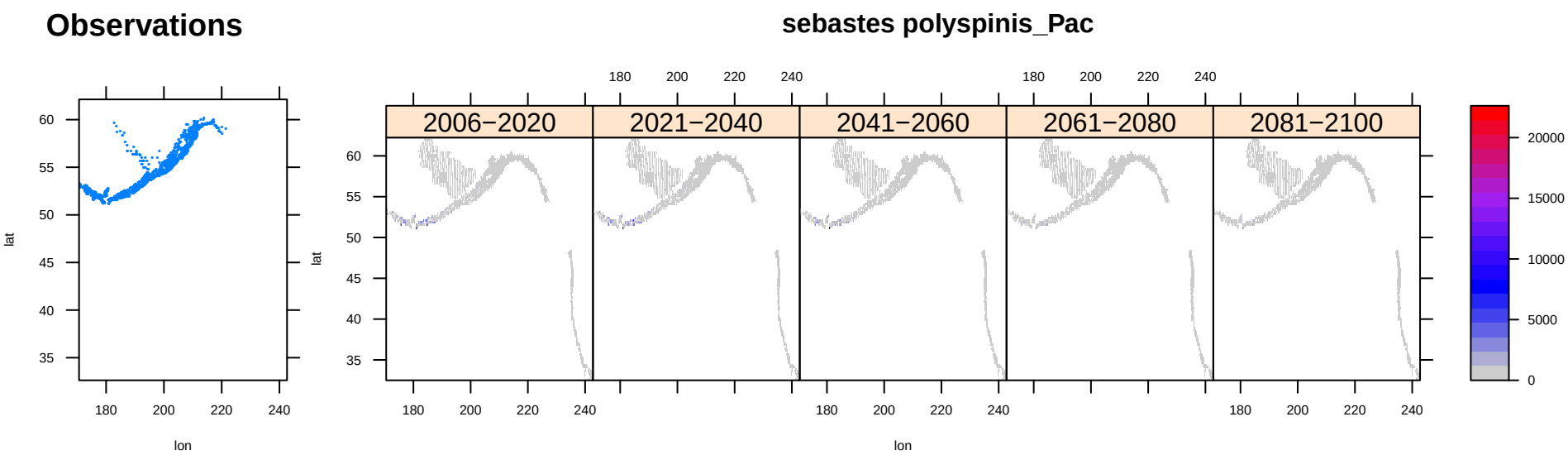
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sebastes polyspinis_Pac
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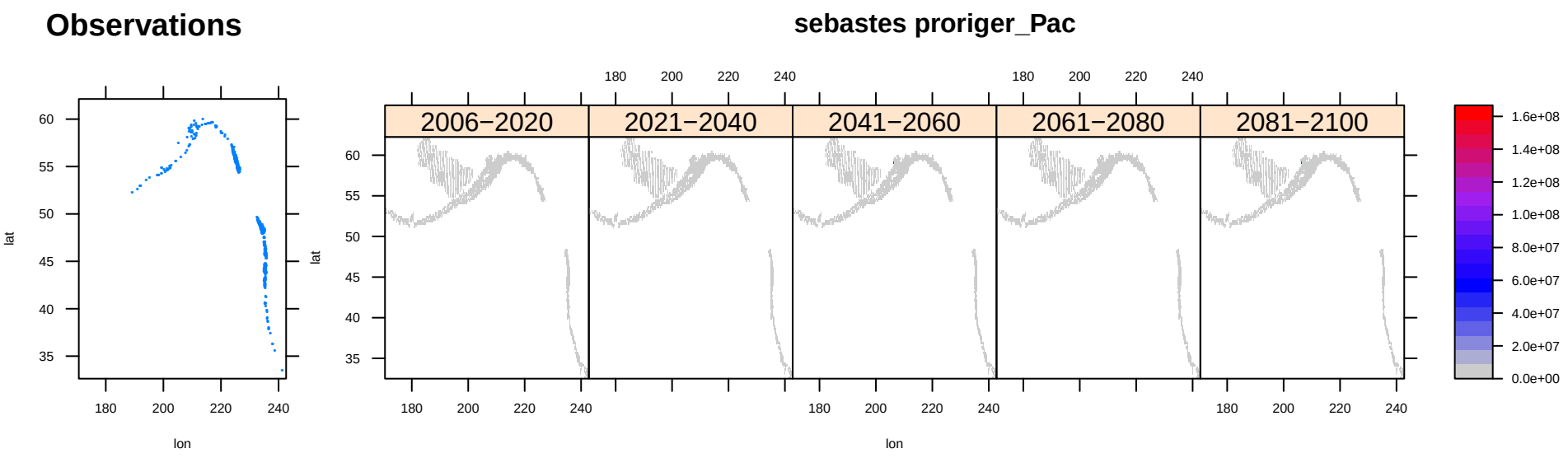
Observations
sebastes proriger_Pac
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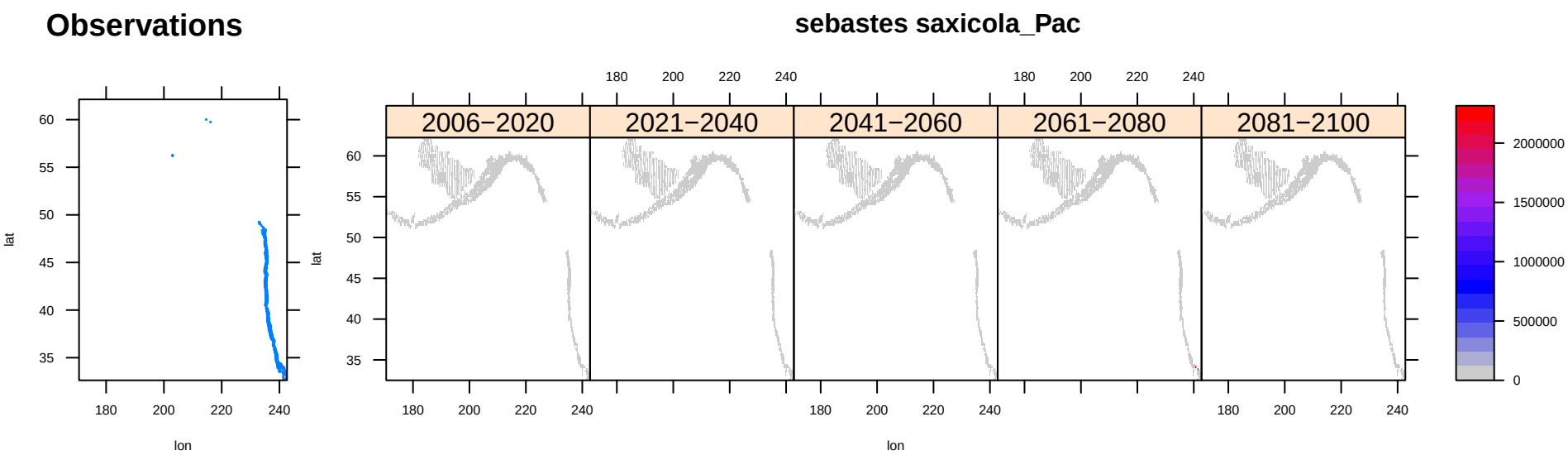
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sebastes saxicola_Pac
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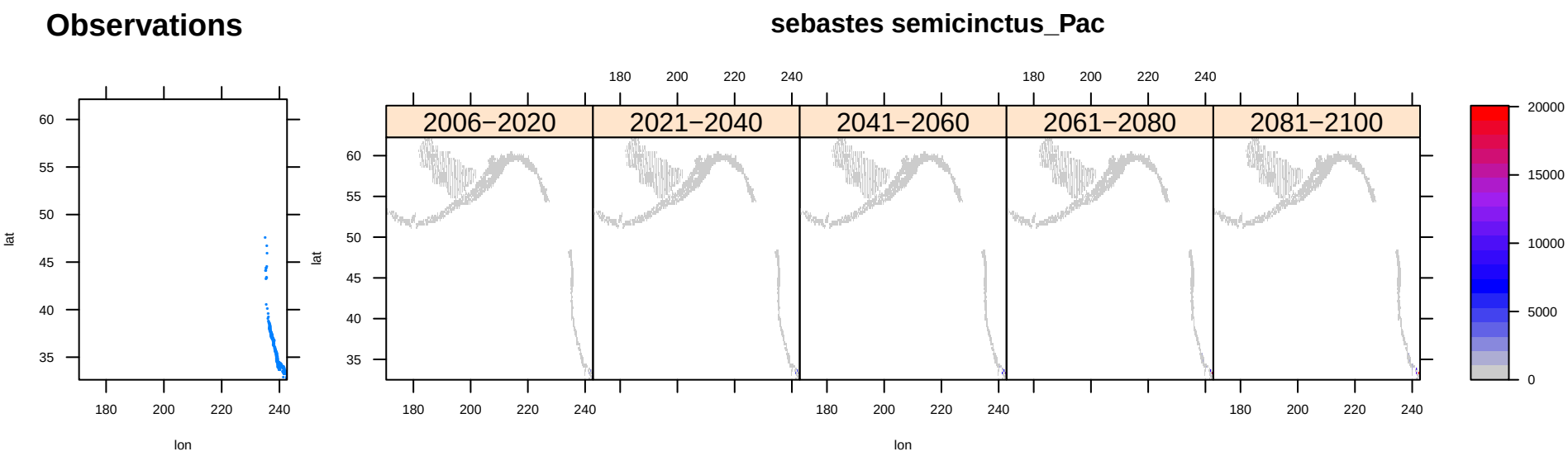
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sebastes semicinctus_Pac
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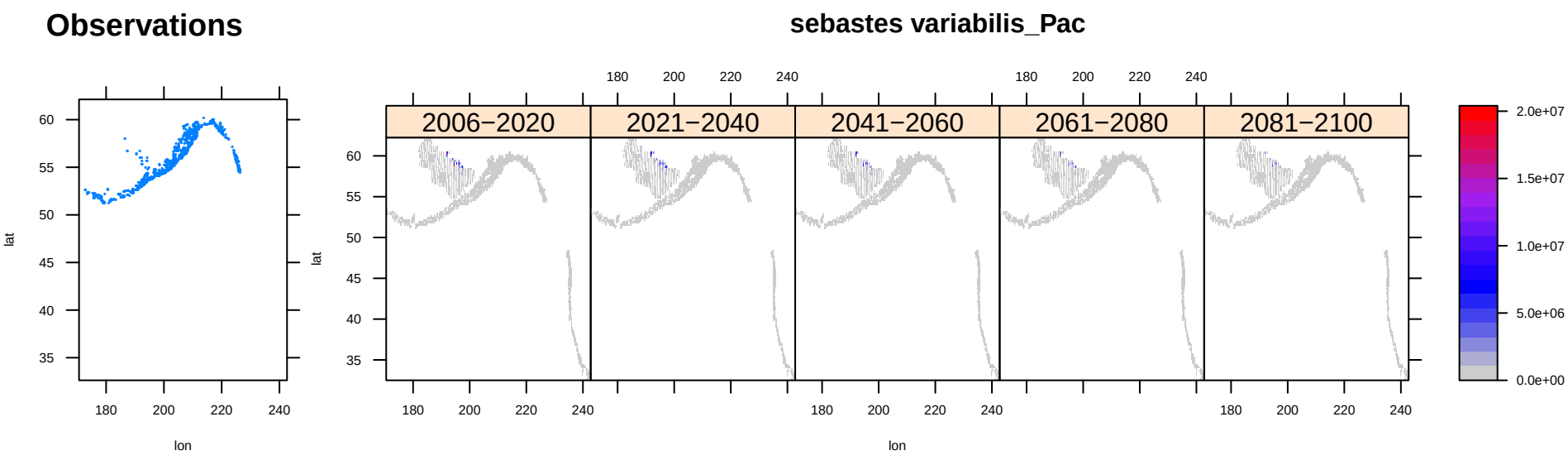
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sebastes variabilis_Pac
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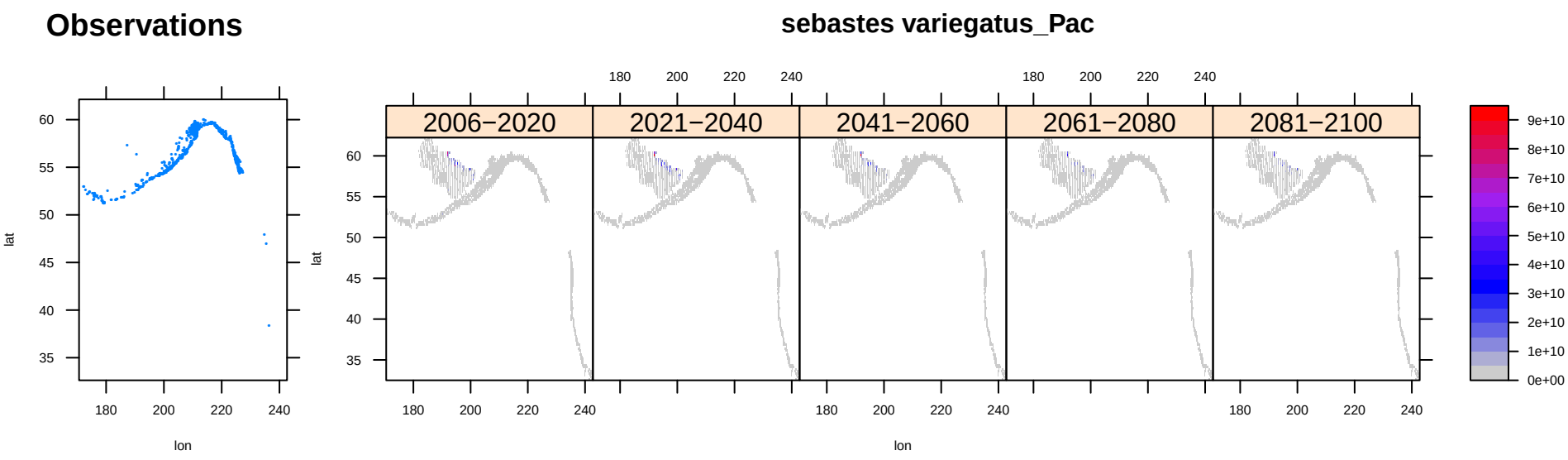
Observations
sebastes variegatus_Pac
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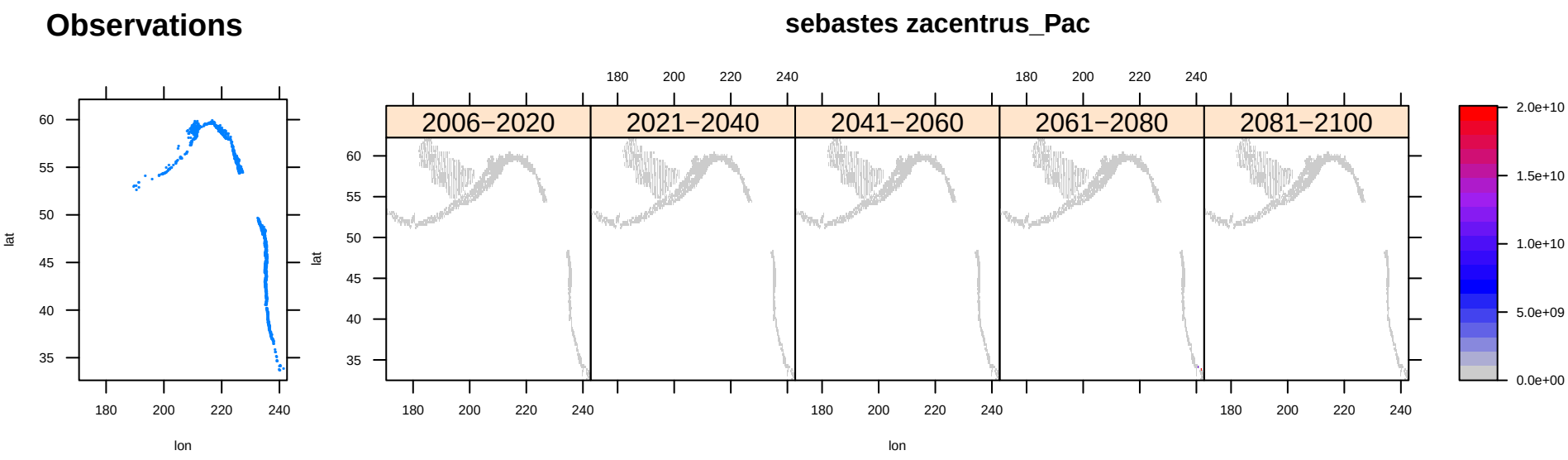
Observations
sebastes zacentrus_Pac
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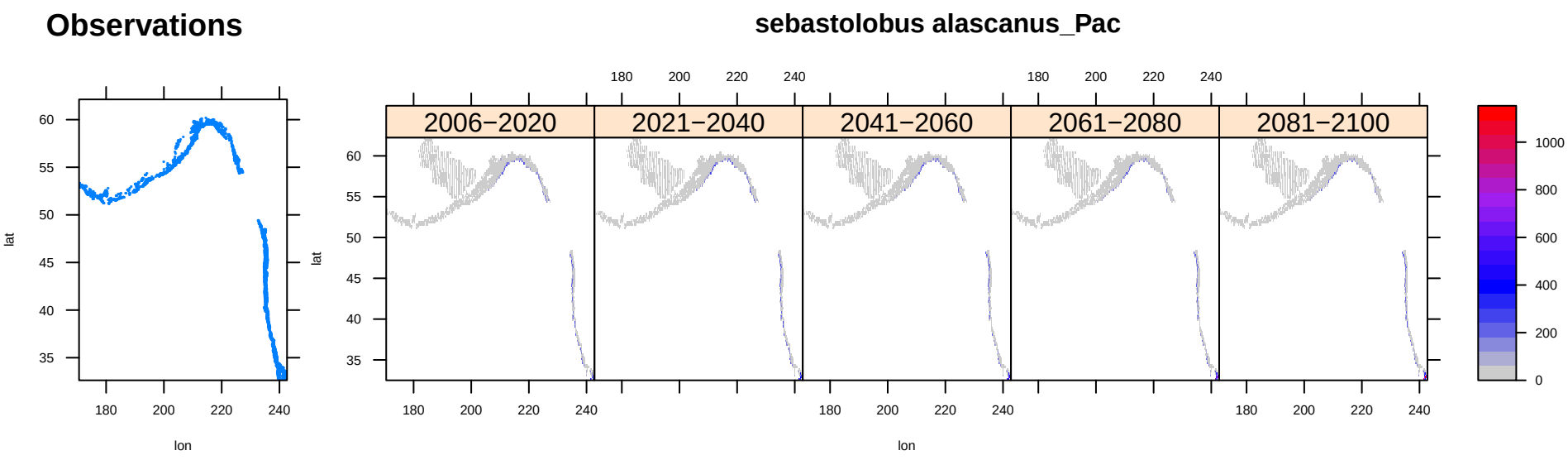
Observations
sebastolobus alascanus_Pac
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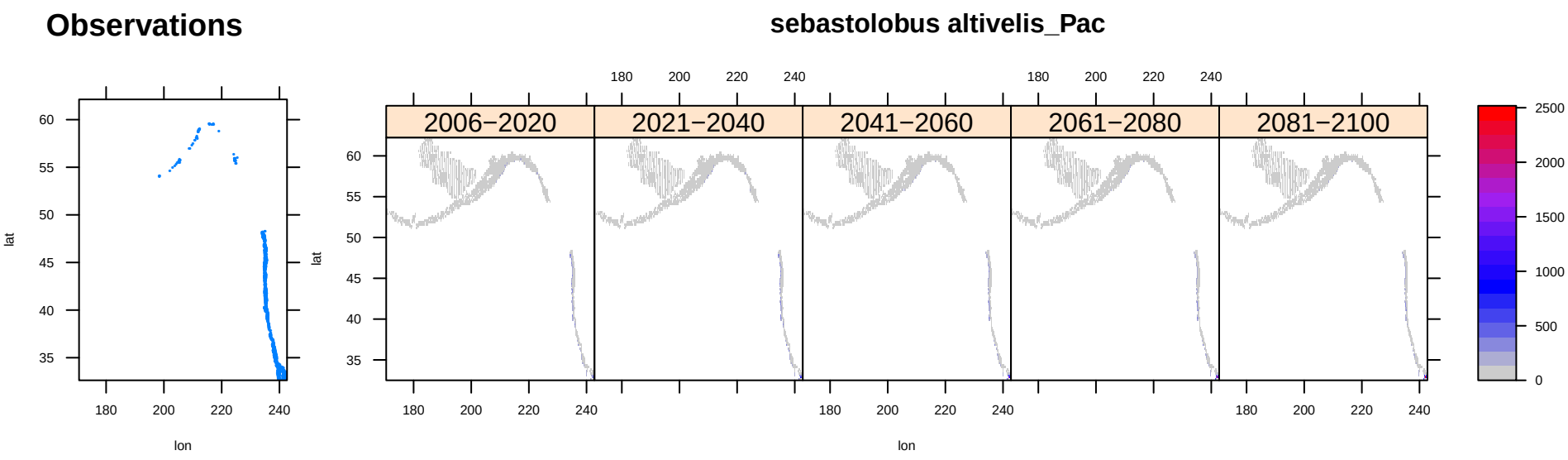
Observations
sebastolobus altivelis_Pac
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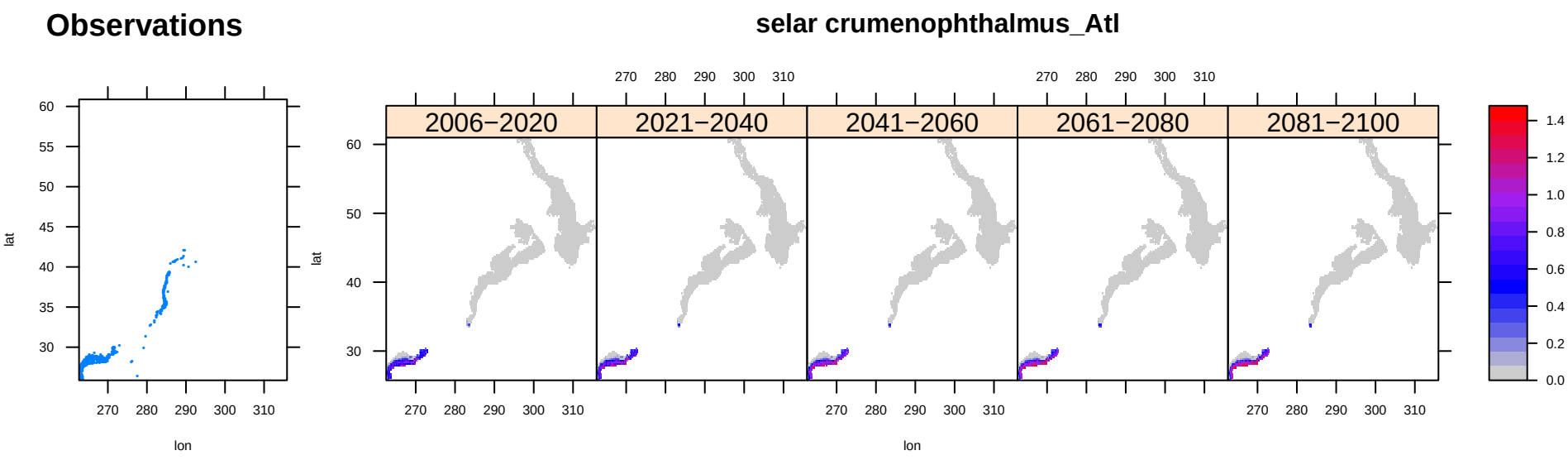
Observations
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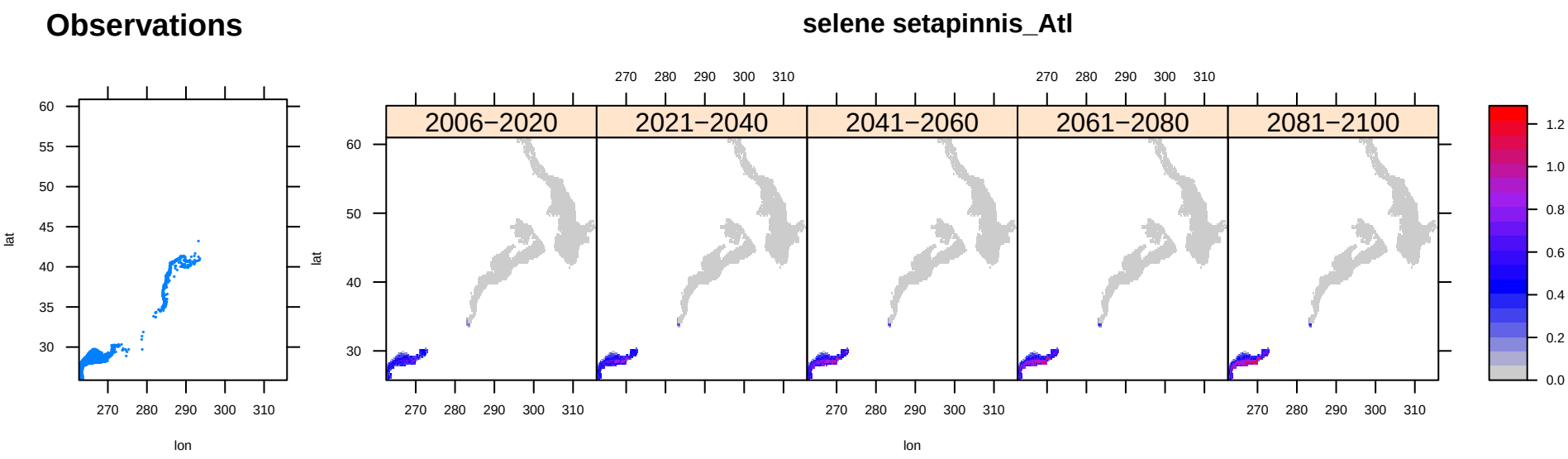
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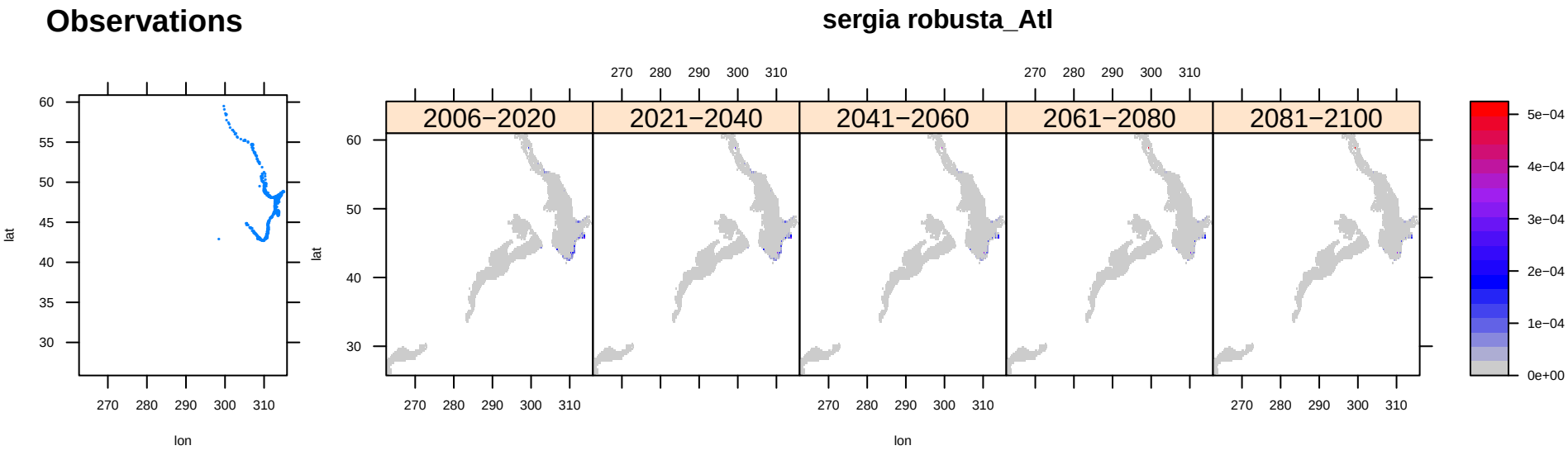
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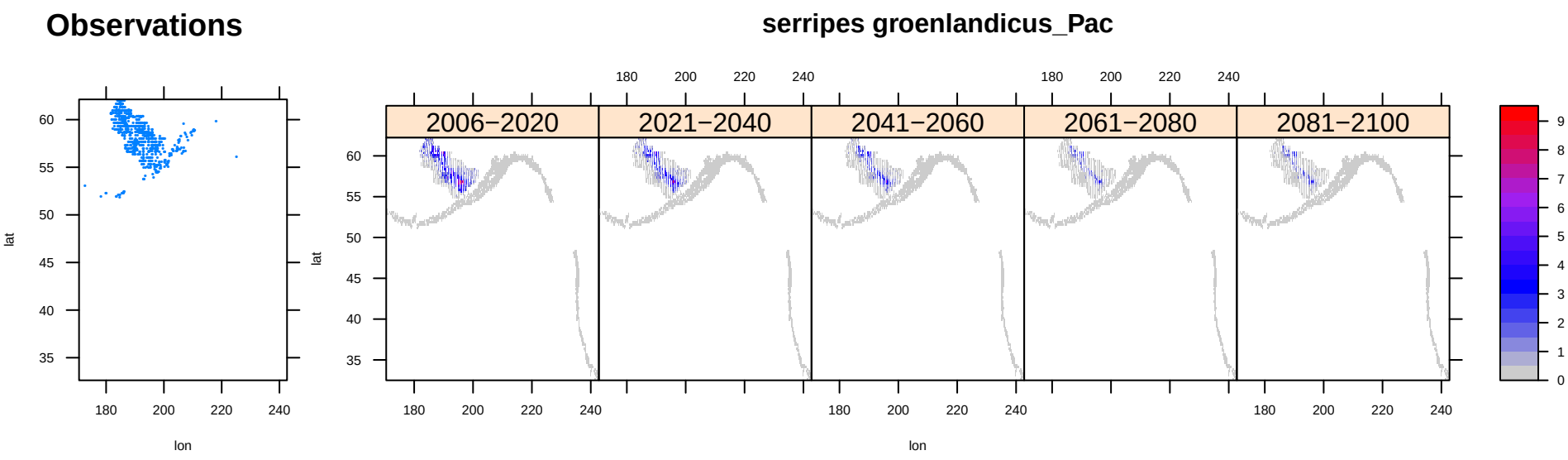
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serripes groenlandicus_Pac
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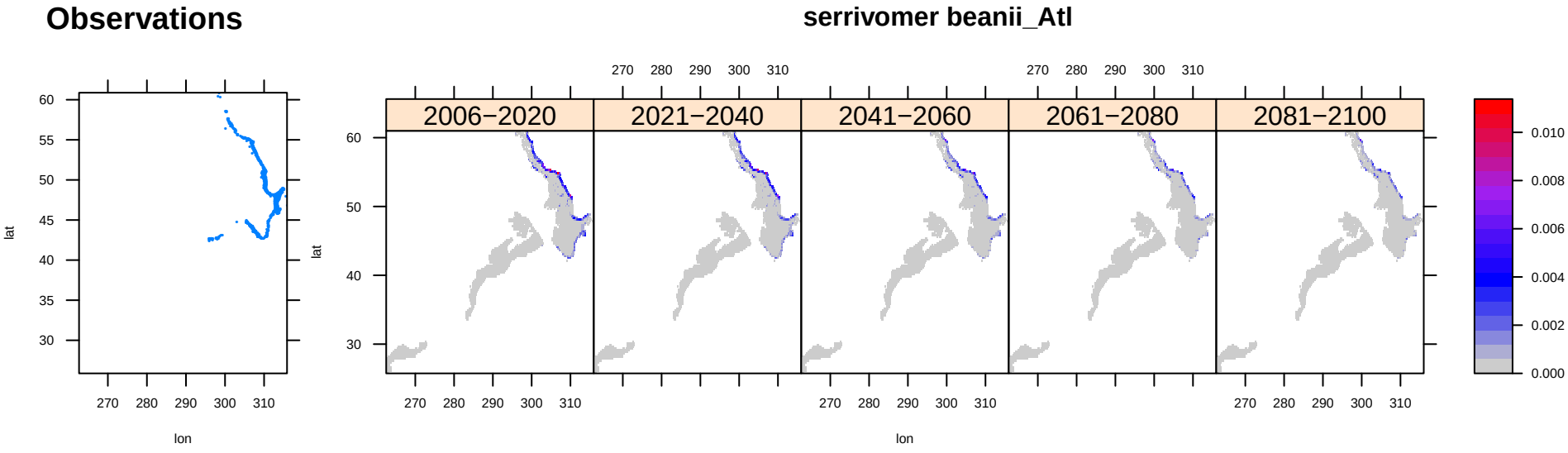
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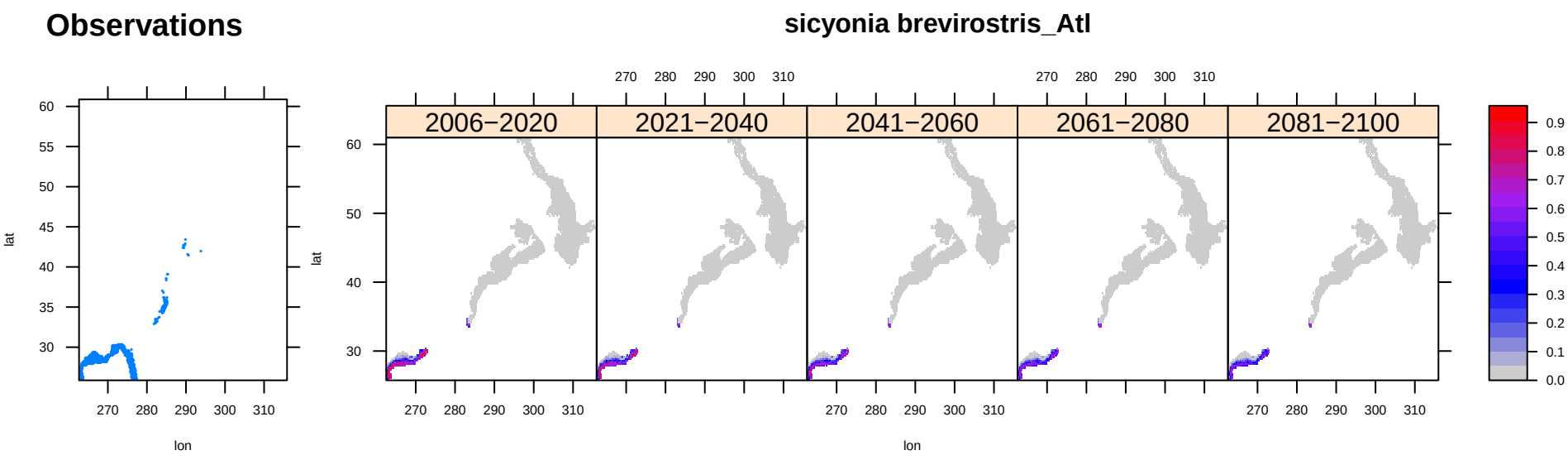
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sicyonia brevirostris_Atl
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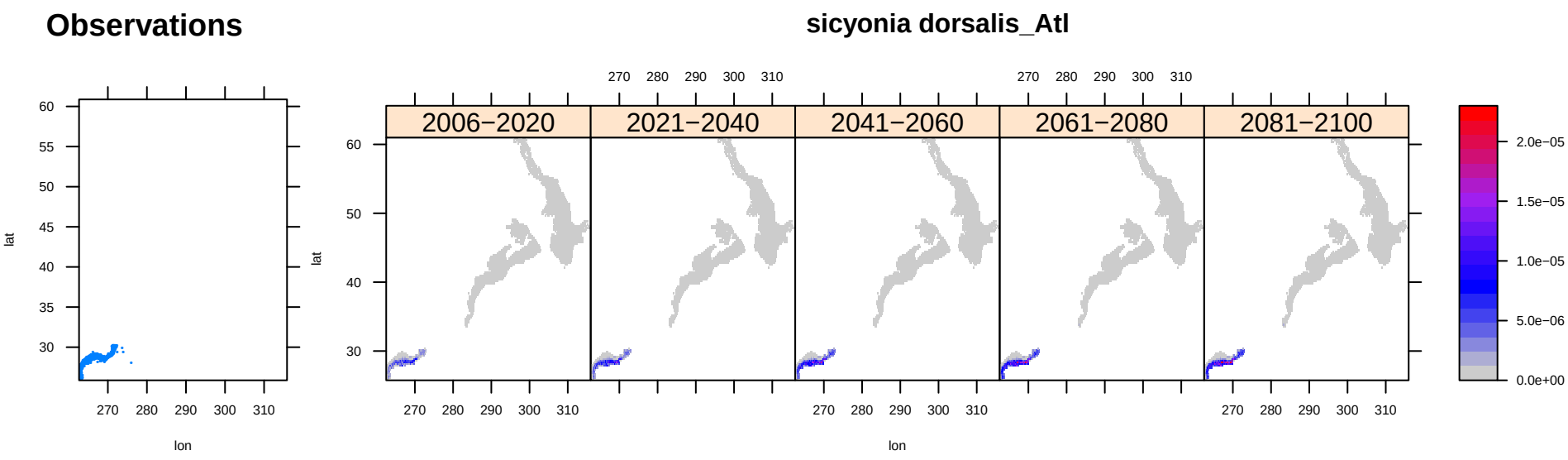
Observations
sicyonia dorsalis_Atl
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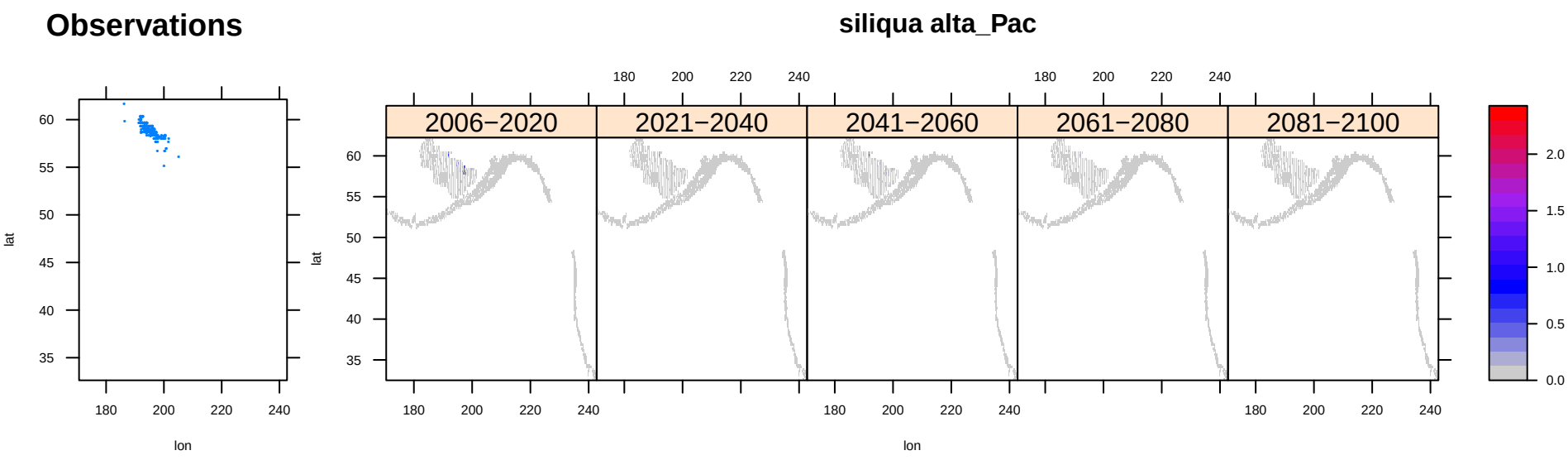
Observations
siliqua alta_Pac
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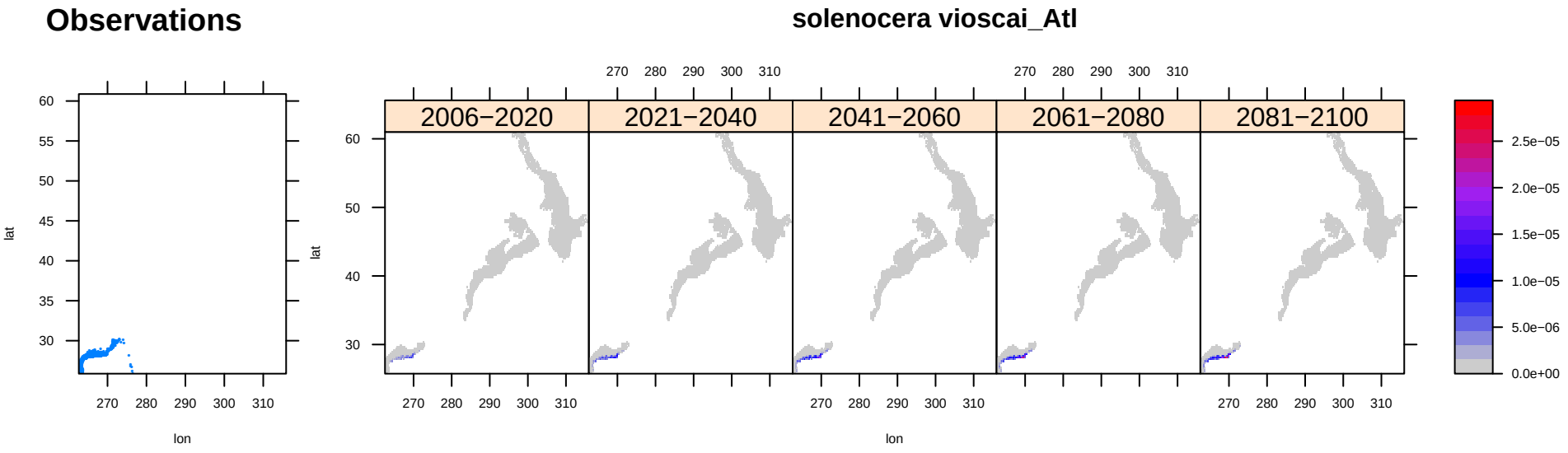
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solenocera vioscai_Atl
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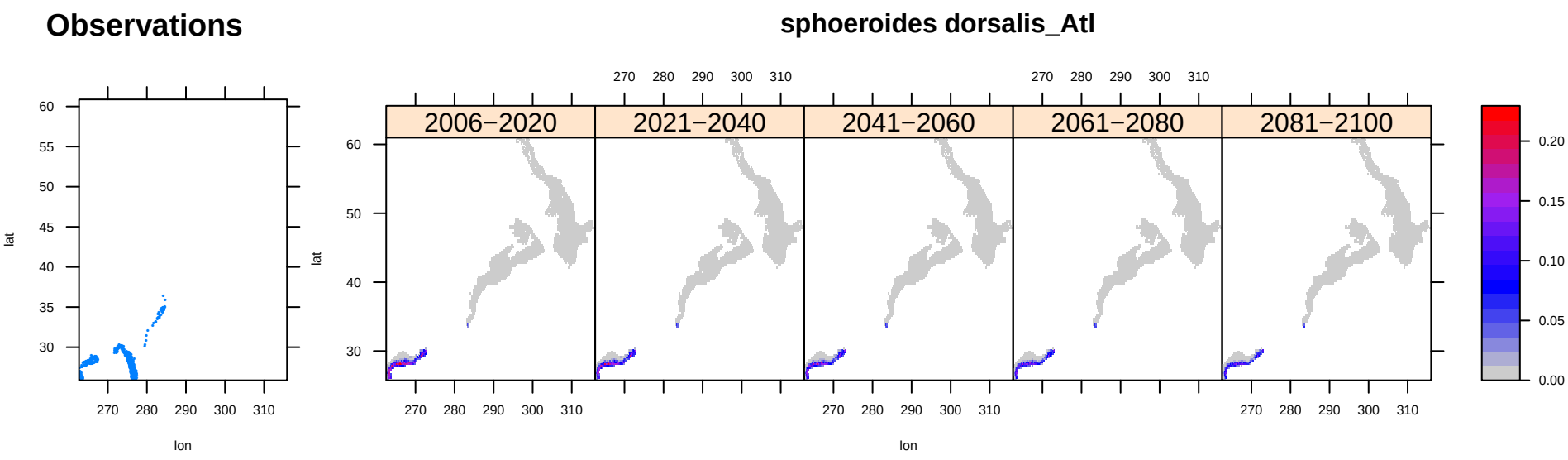
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sphoeroides dorsalis_Atl
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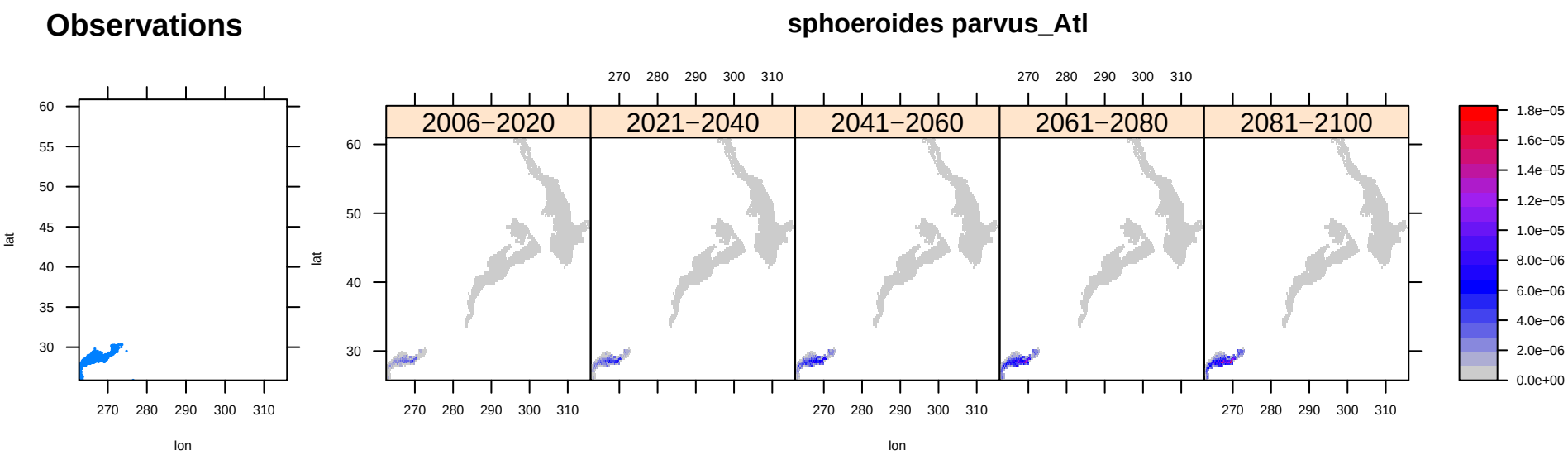
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sphoeroides parvus_Atl
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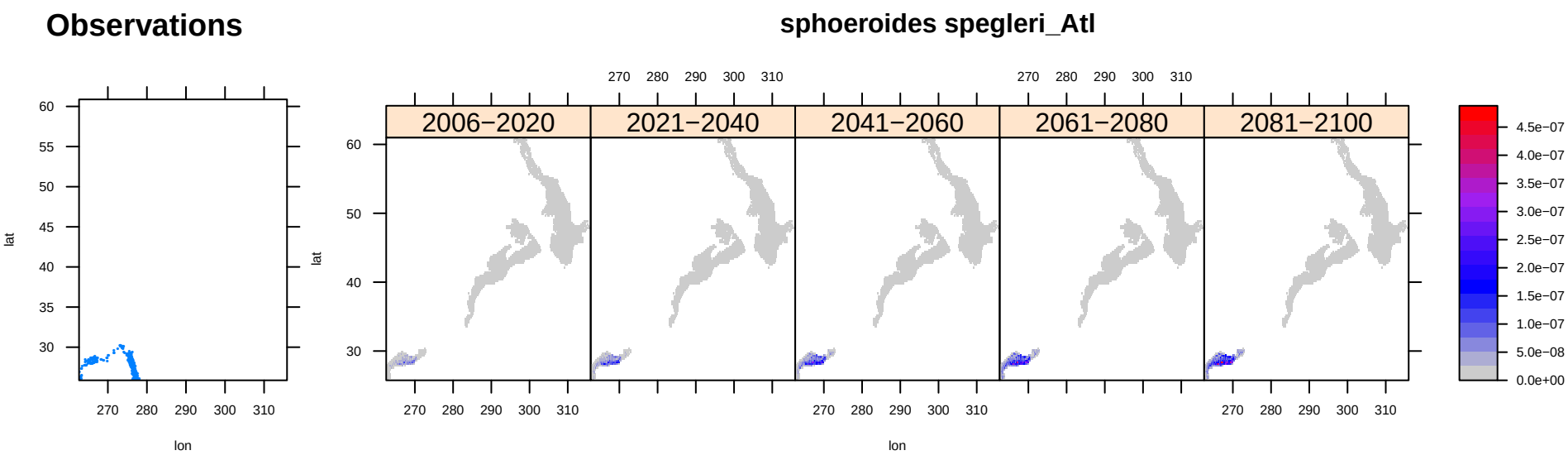
Observations
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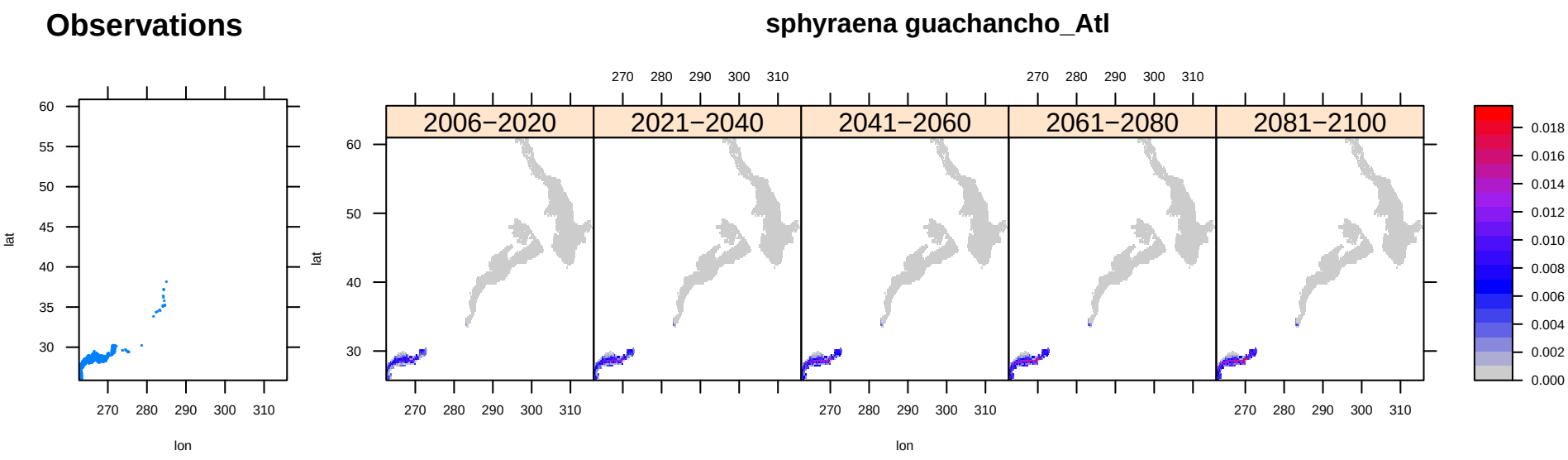
Observations
sphyraena guachancho_Atl
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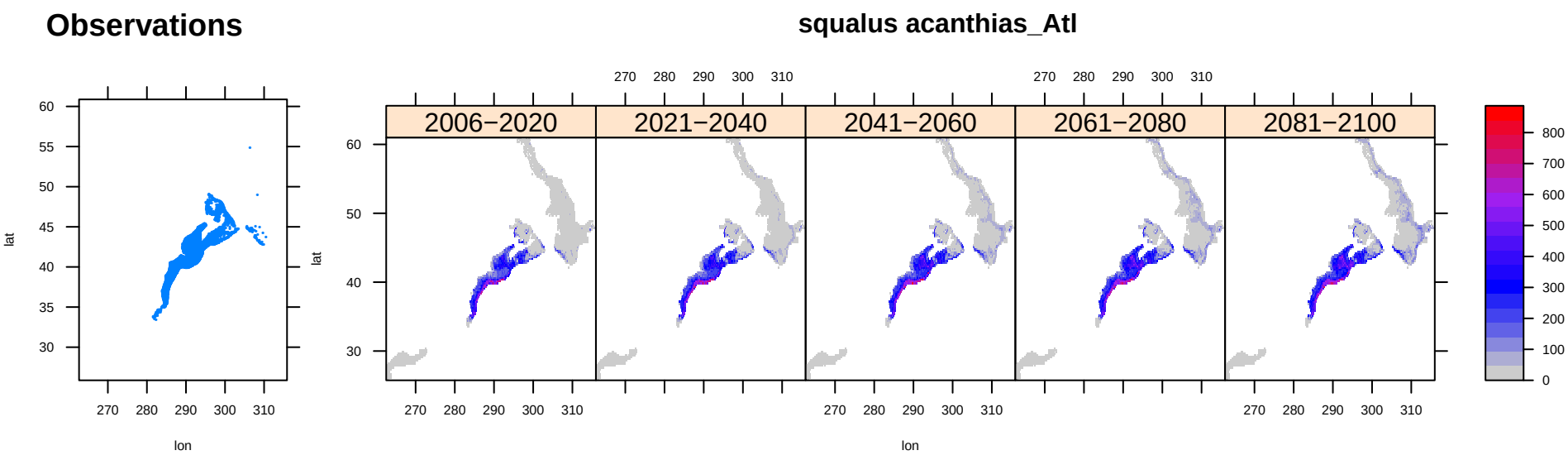
Observations
squalus acanthias_Atl
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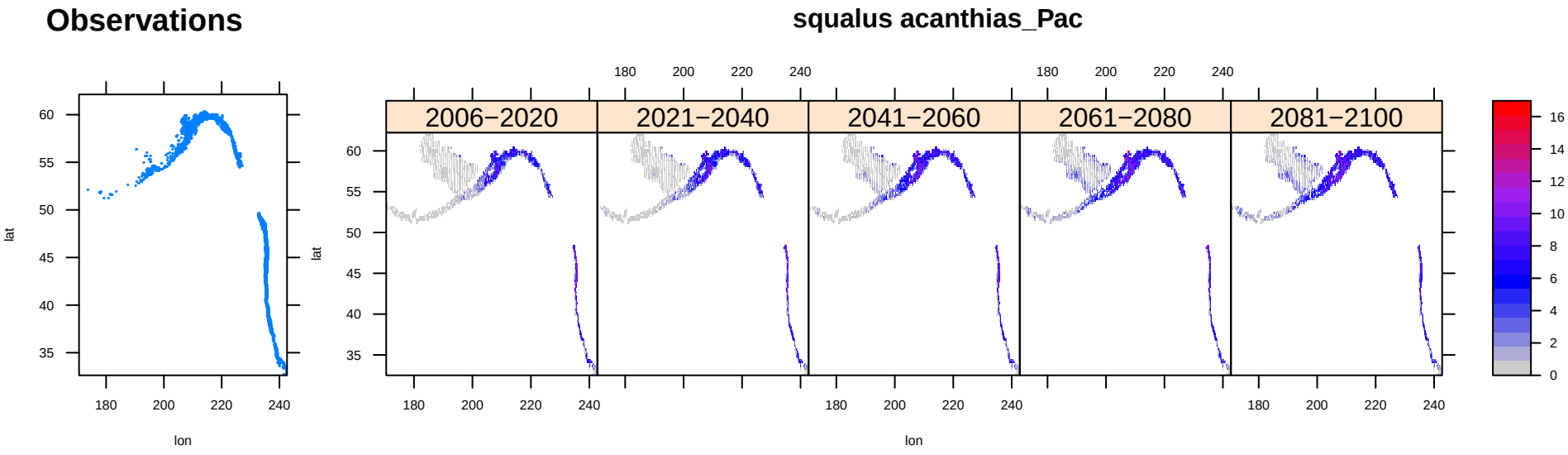
Observations
squalus acanthias_Pac
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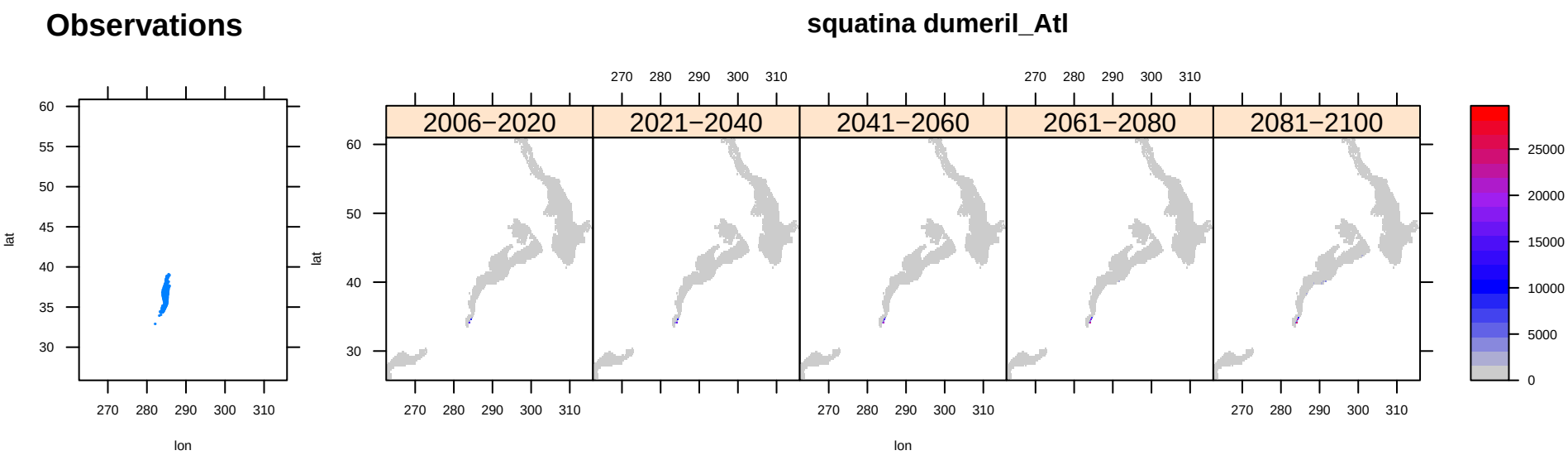
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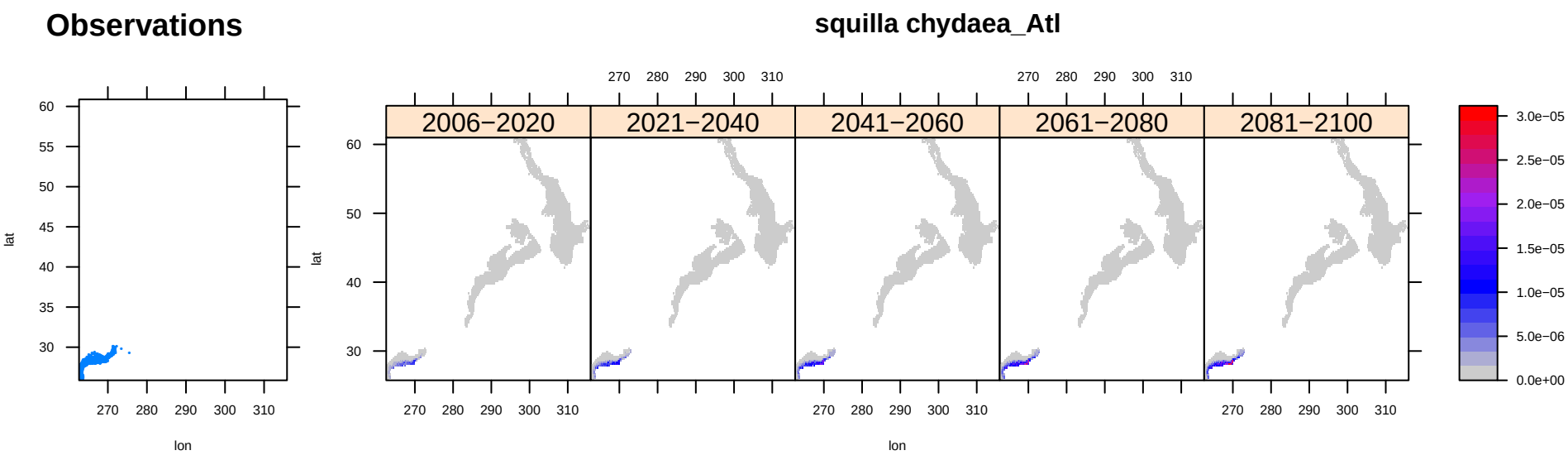
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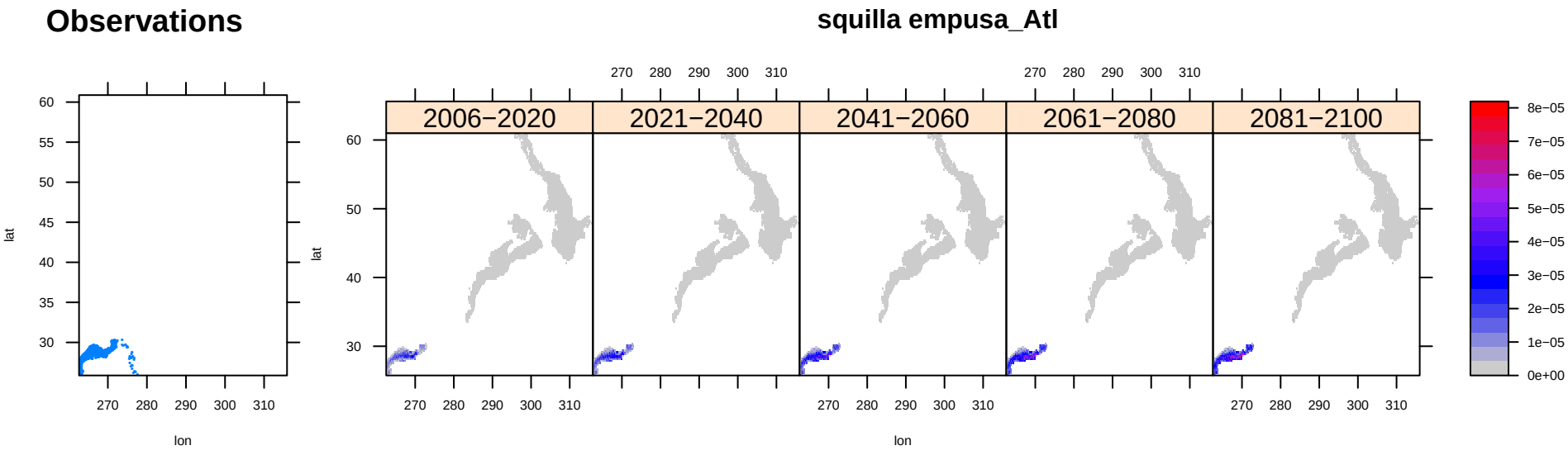
Observations
squilla empusa_Atl
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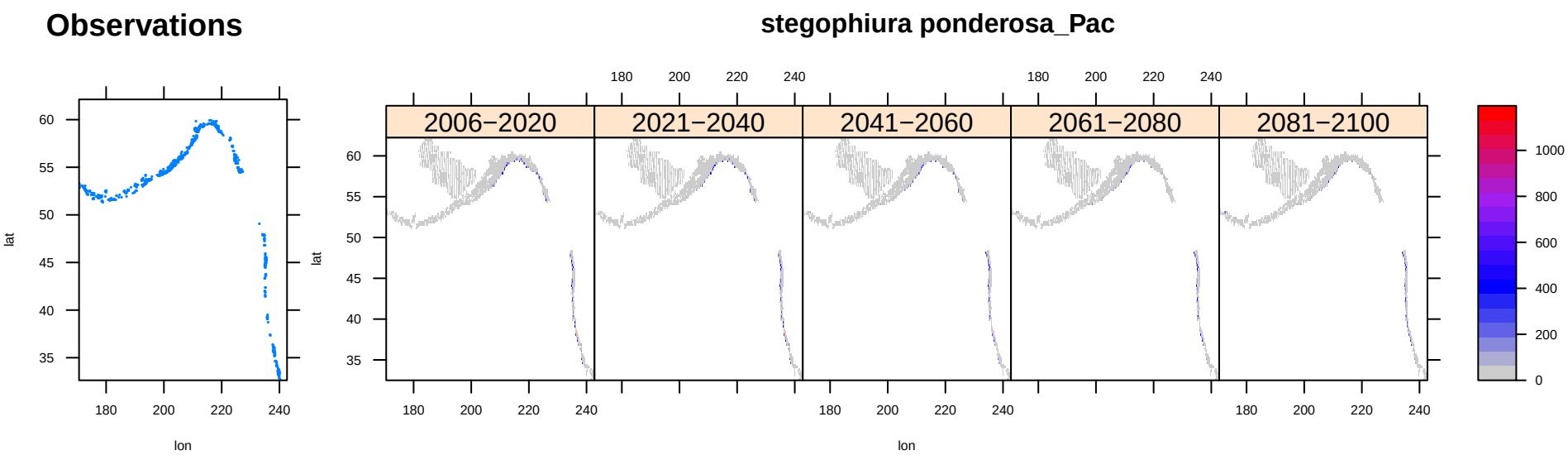
Observations
stegophiura ponderosa_Pac
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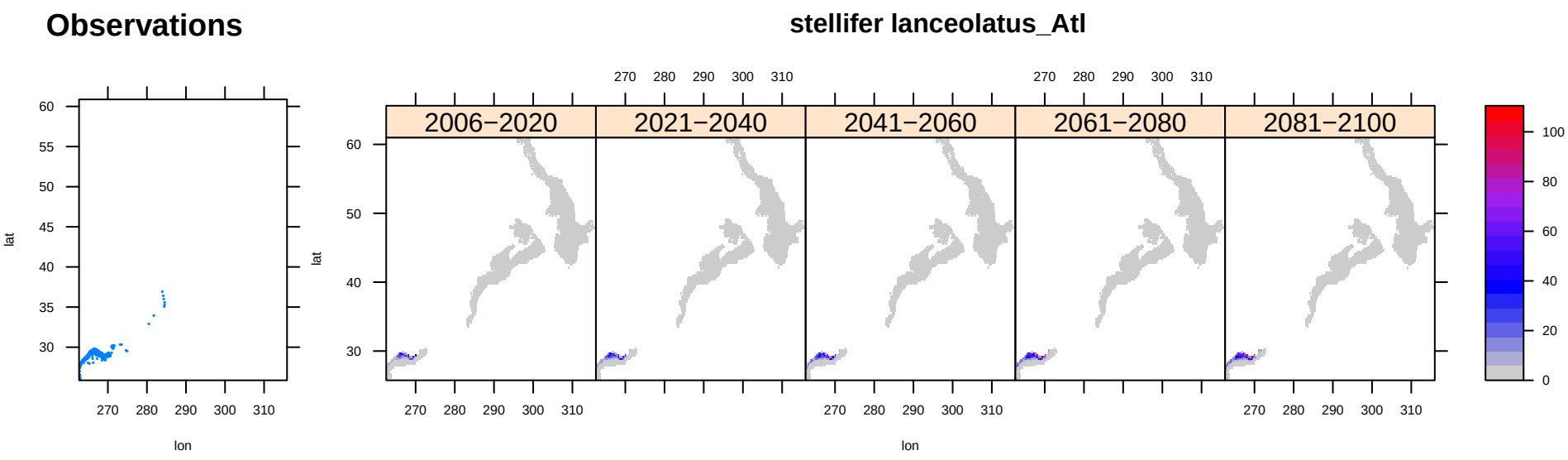
Observations
stellifer lanceolatus_Atl
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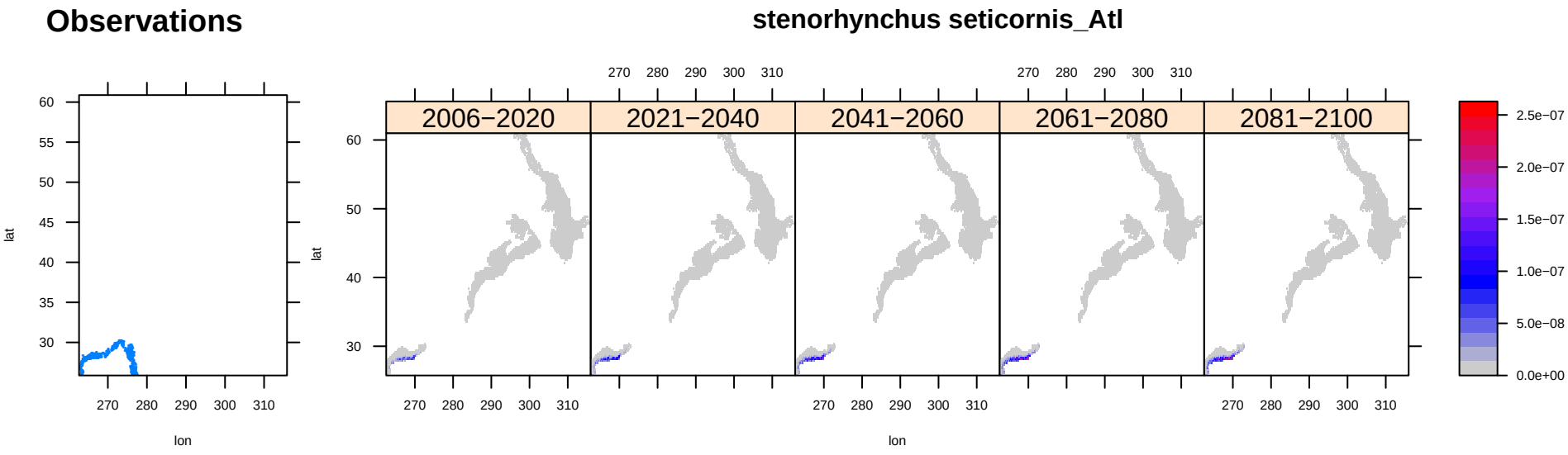
Observations
stenorhynchus seticornis_Atl
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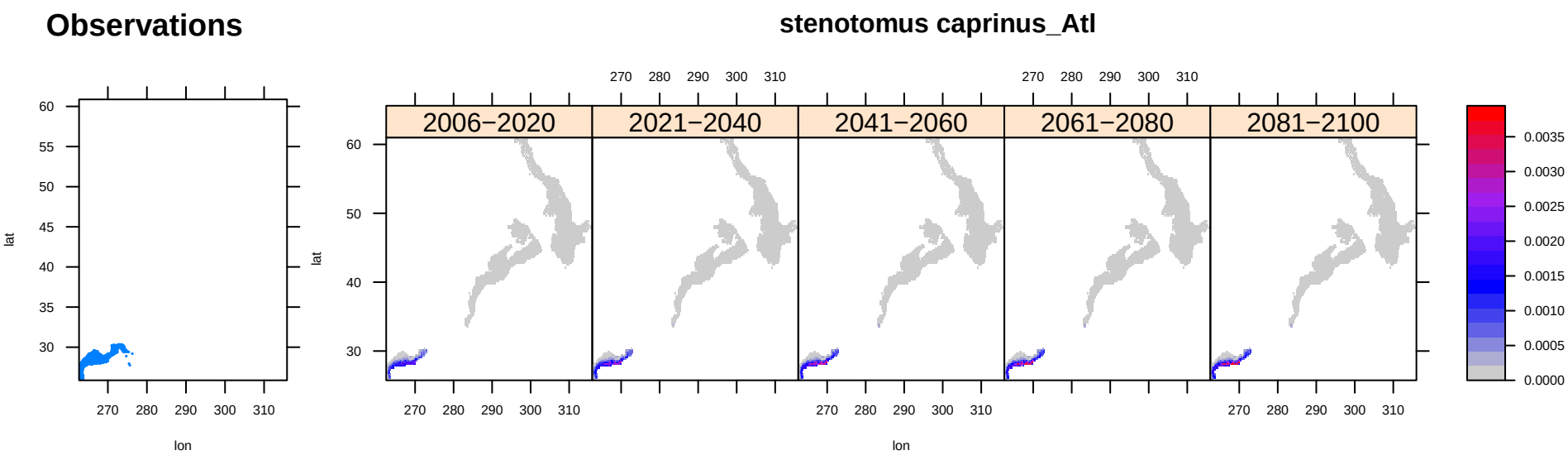
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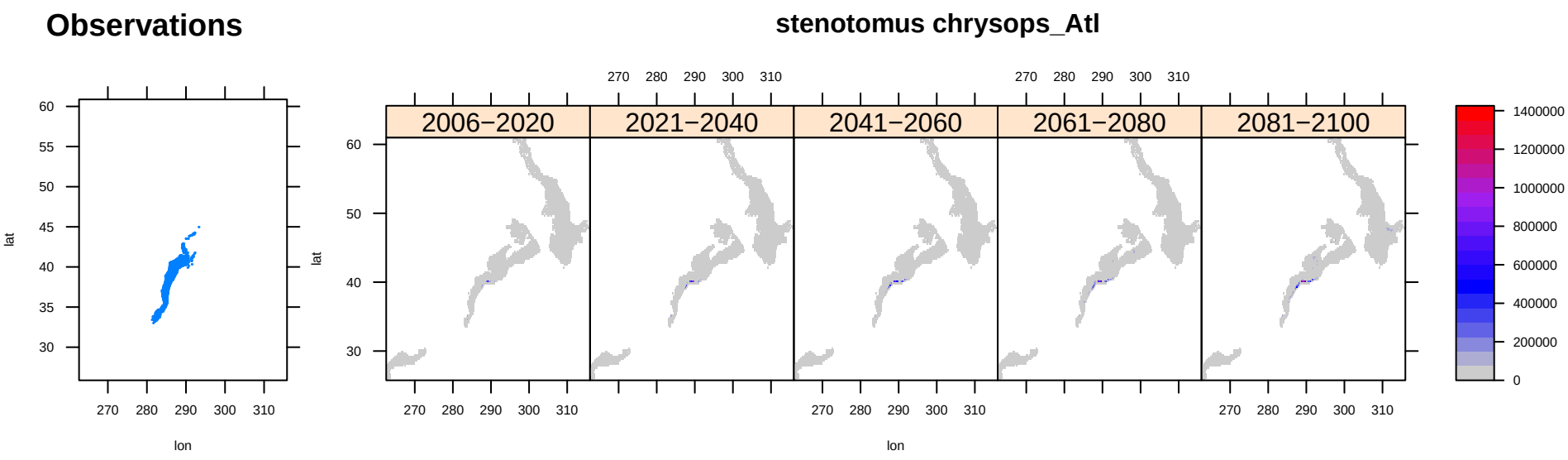
Observations
stenotomus chrysops_Atl
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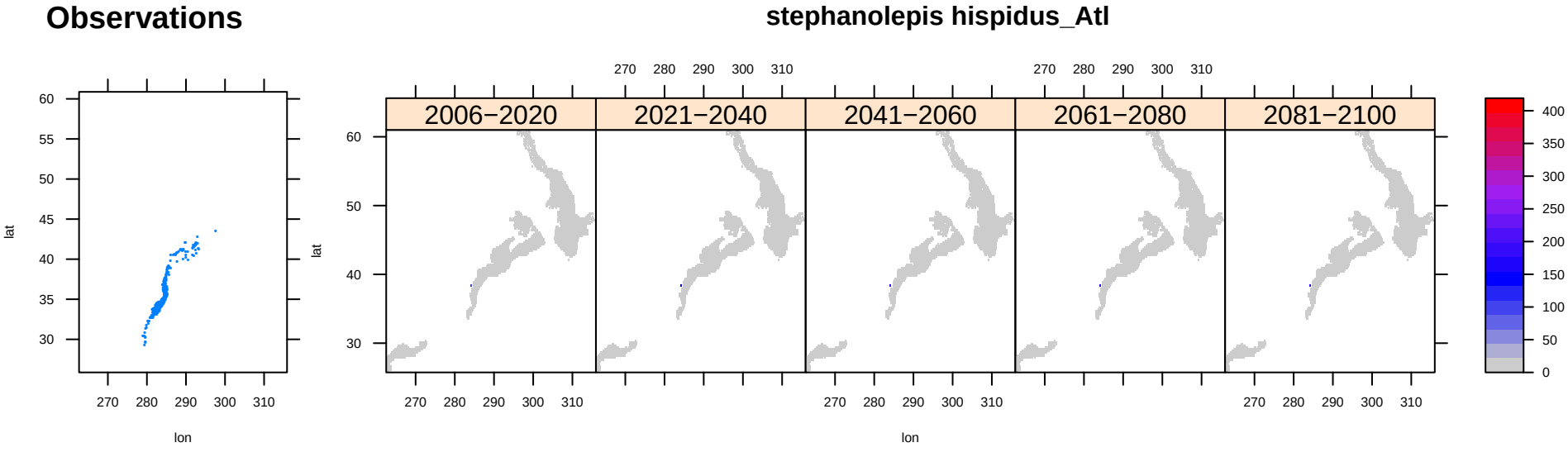
Observations
stephanolepis hispidus_Atl
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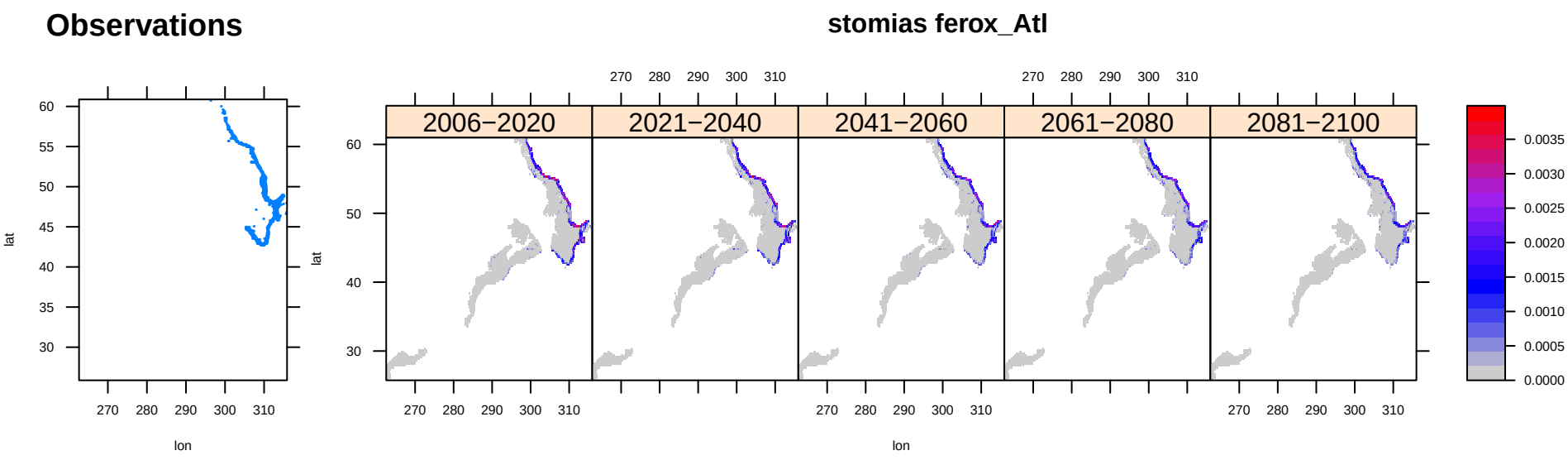
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stomias ferox_Atl
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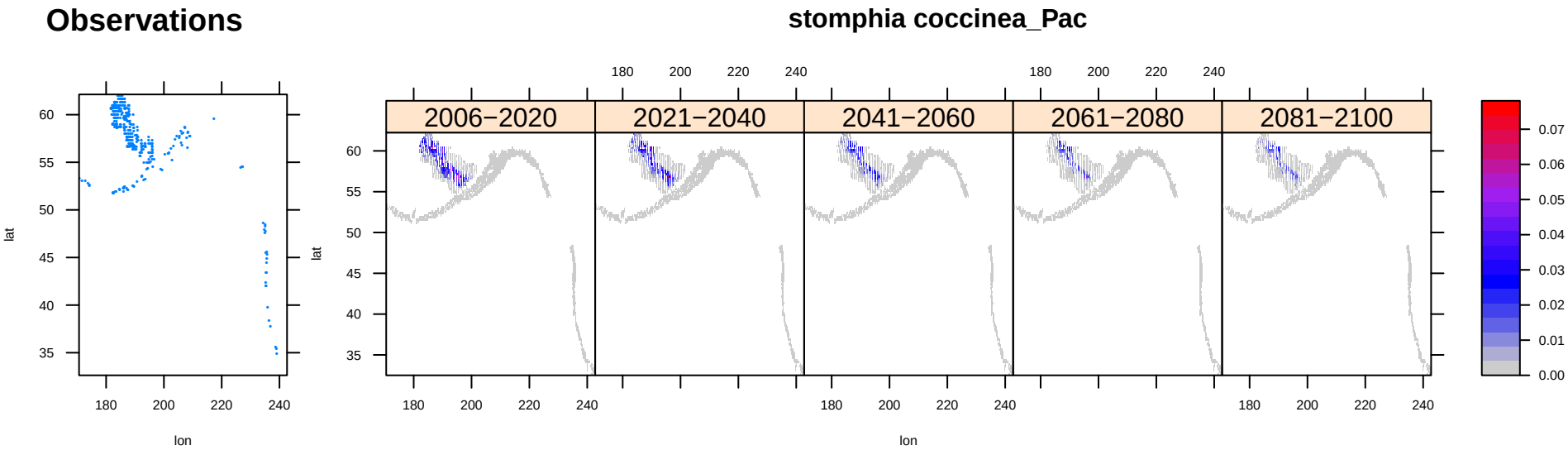
Observations
stomphia coccinea_Pac
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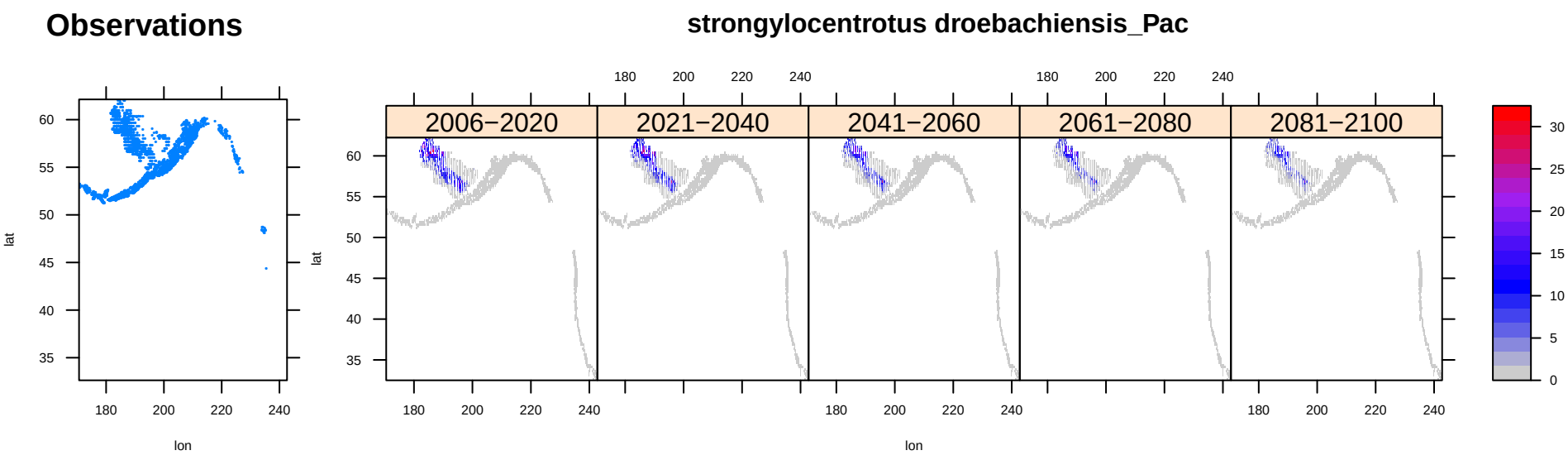
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strongylocentrotus droebachiensis_Pac
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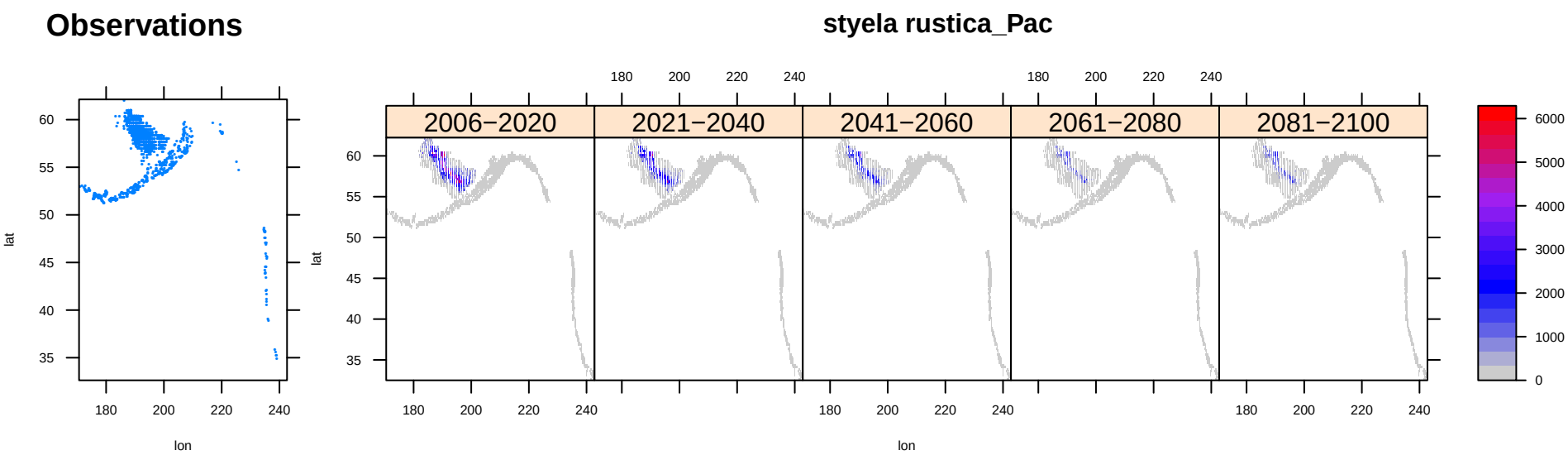
Observations
styela rustica_Pac
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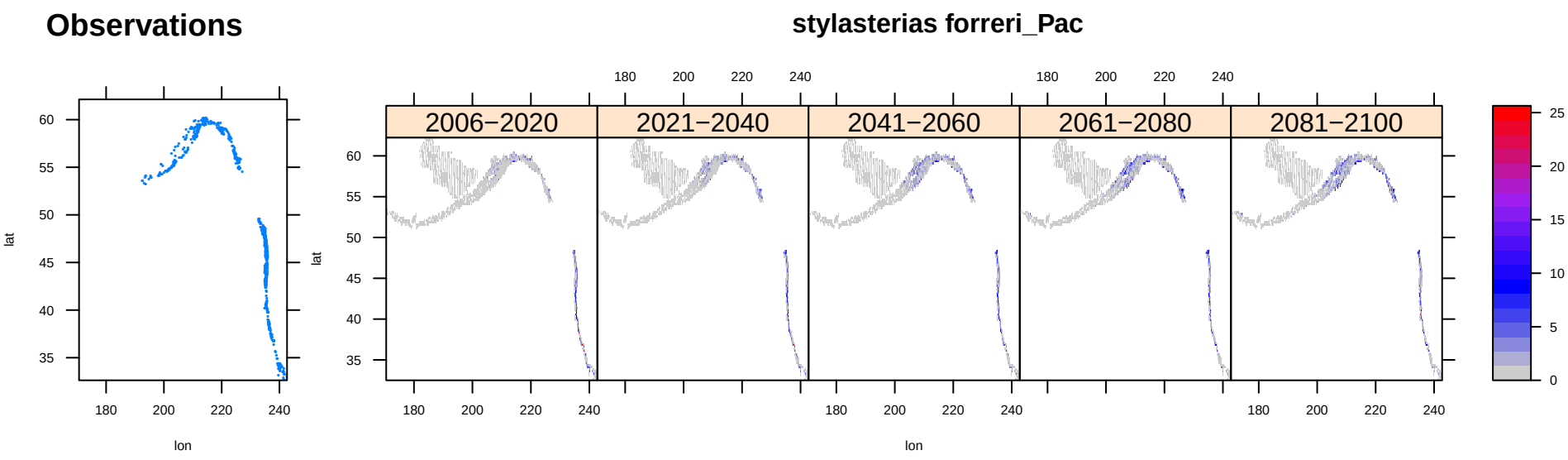
Observations
stylasterias forreri_Pac
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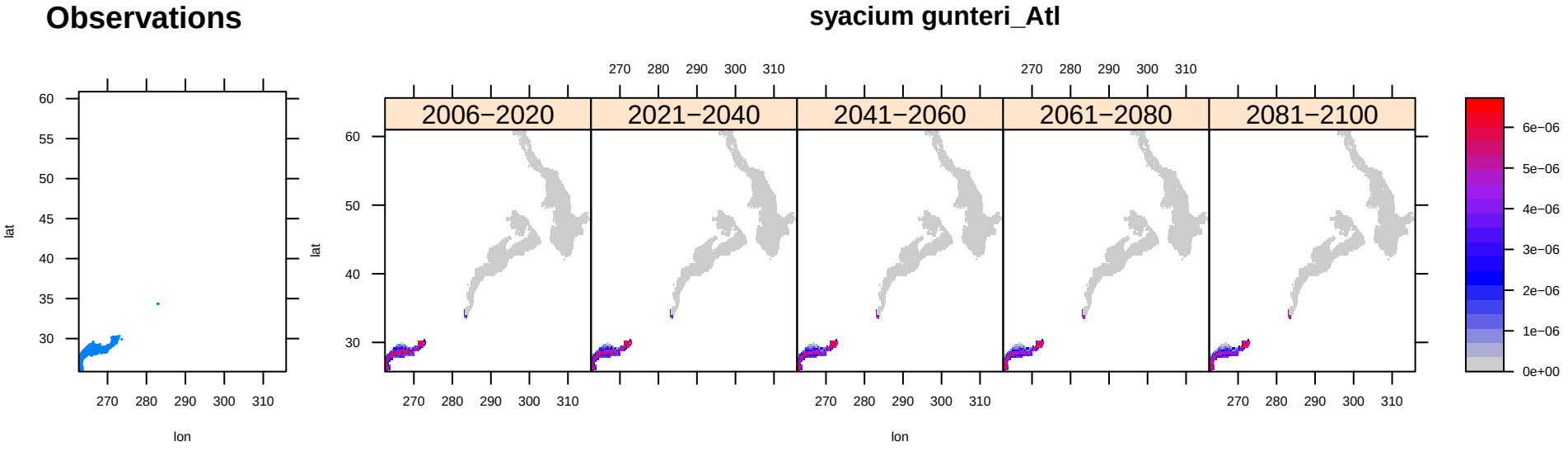
Observations
syacium gunteri_Atl
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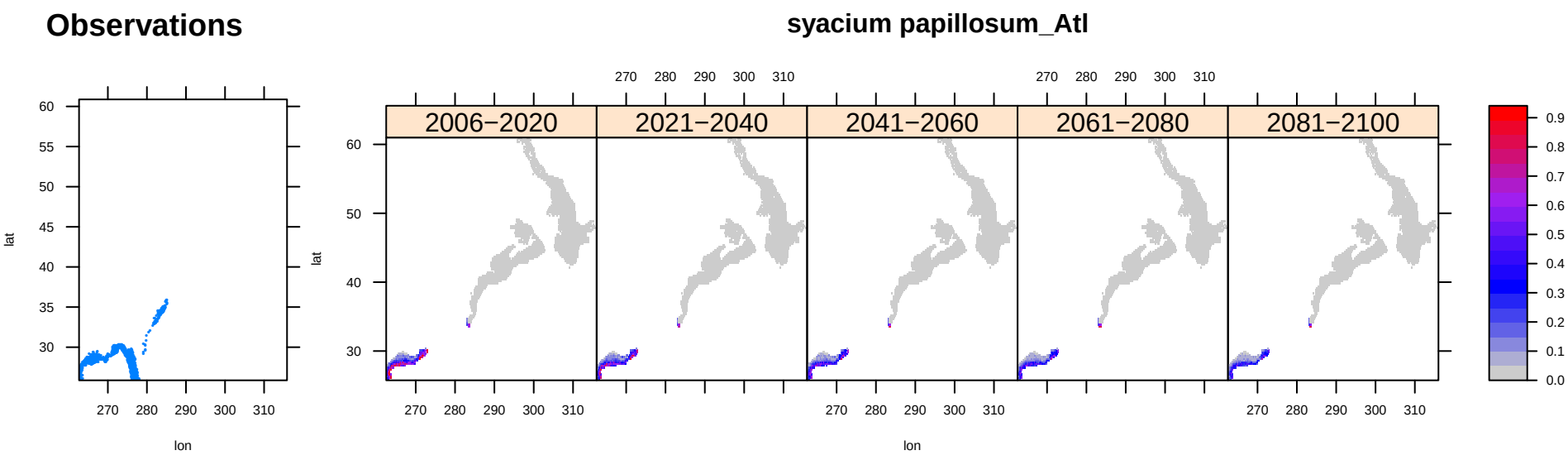
Observations
syacium papillosum_Atl
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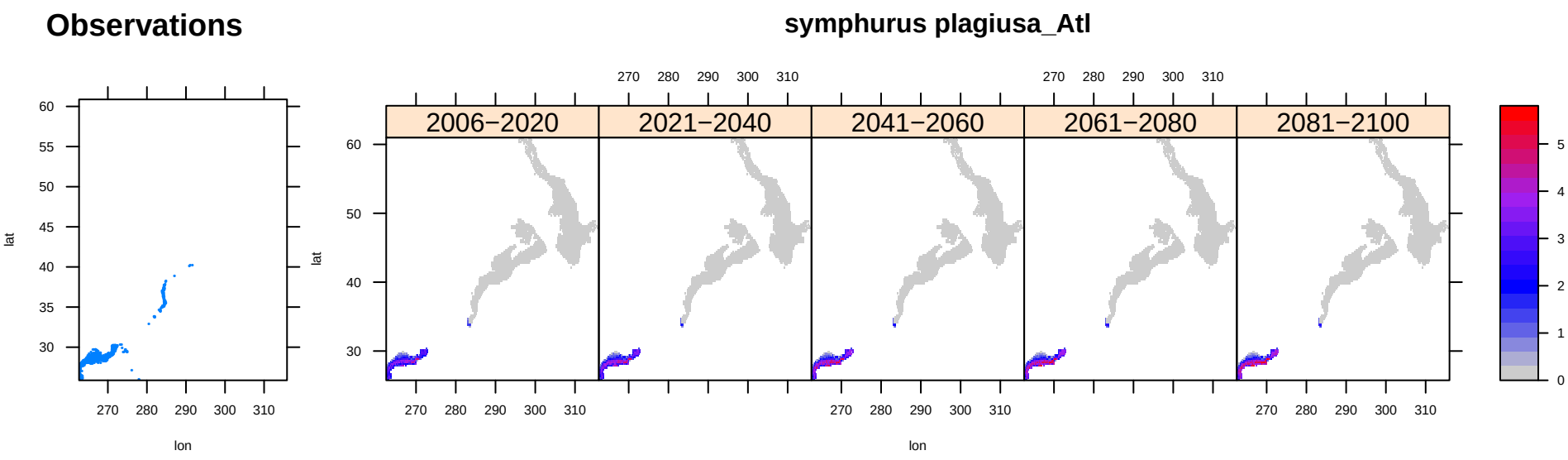
Observations
symphurus plagiusa_Atl
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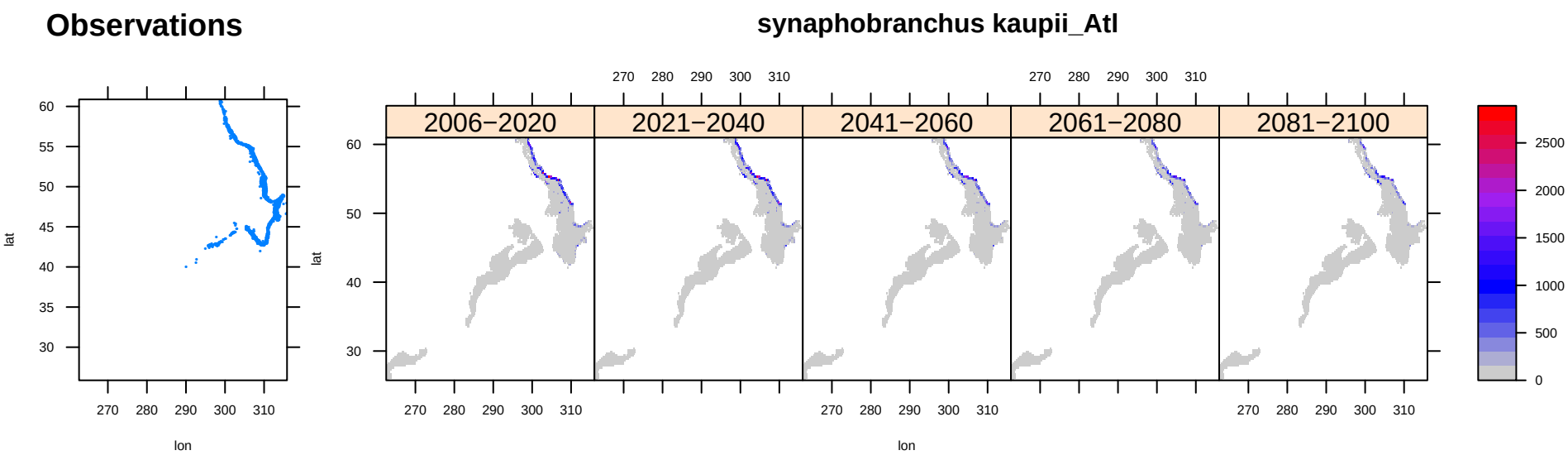
Observations
synaphobranchus kaupii_Atl
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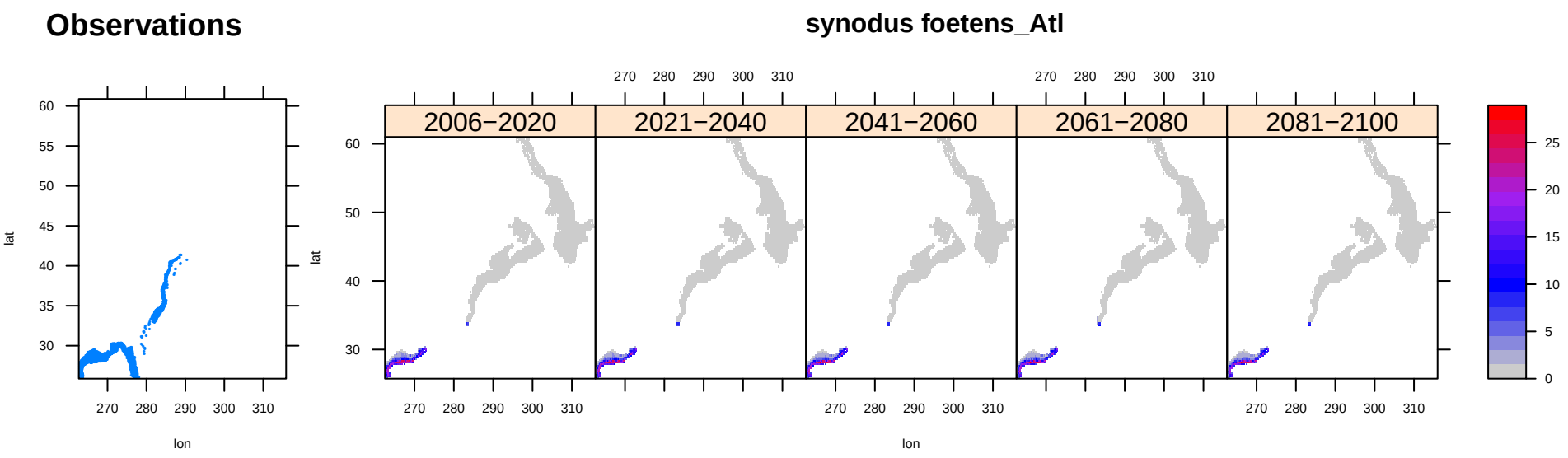
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synodus foetens_Atl
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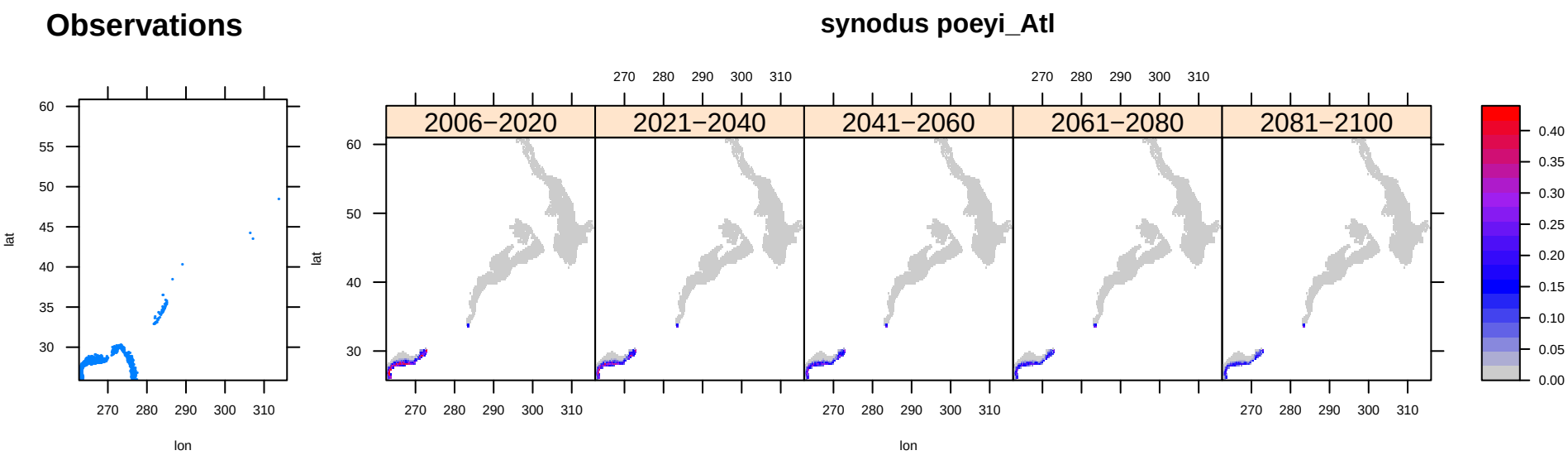
Observations
synodus poeyi_Atl
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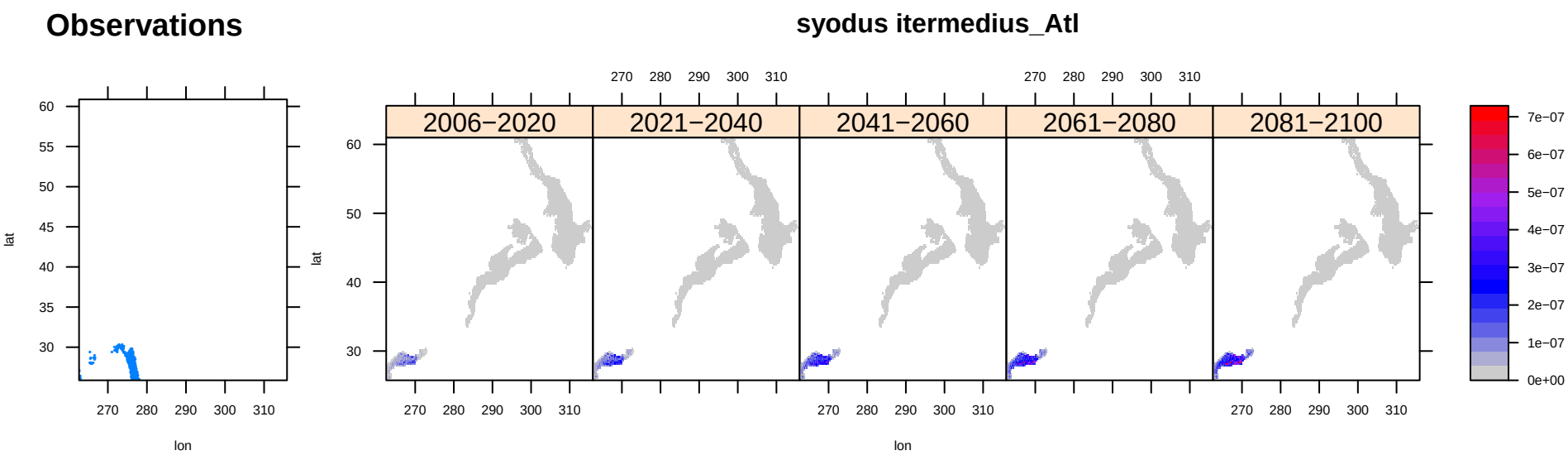
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syodus itermedius_Atl
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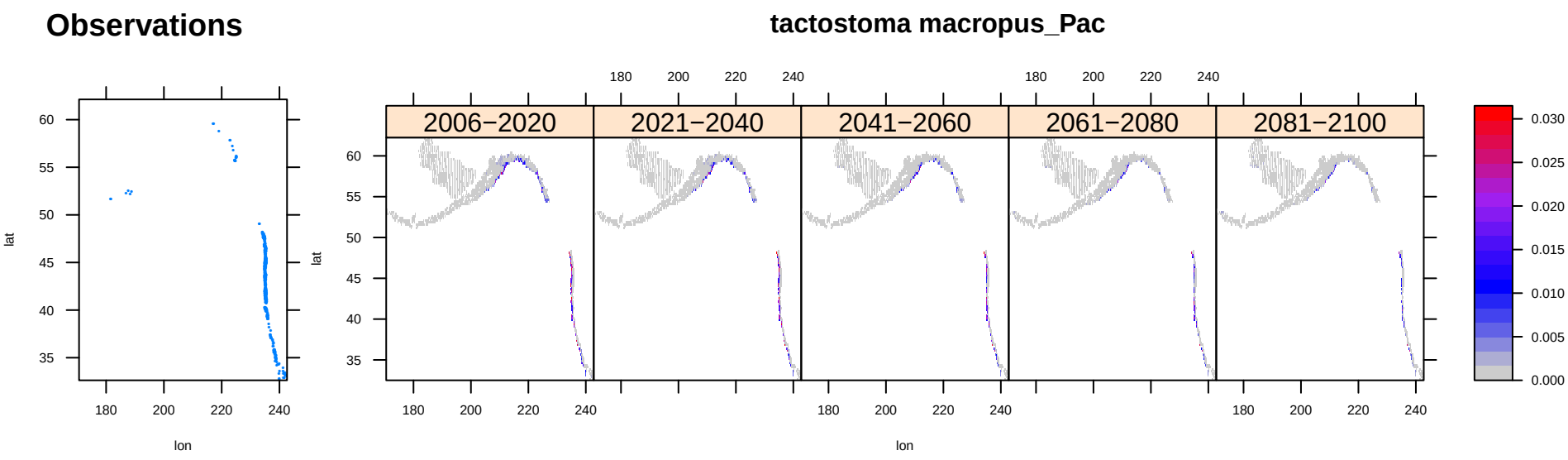
Observations
tactostoma macropus_Pac
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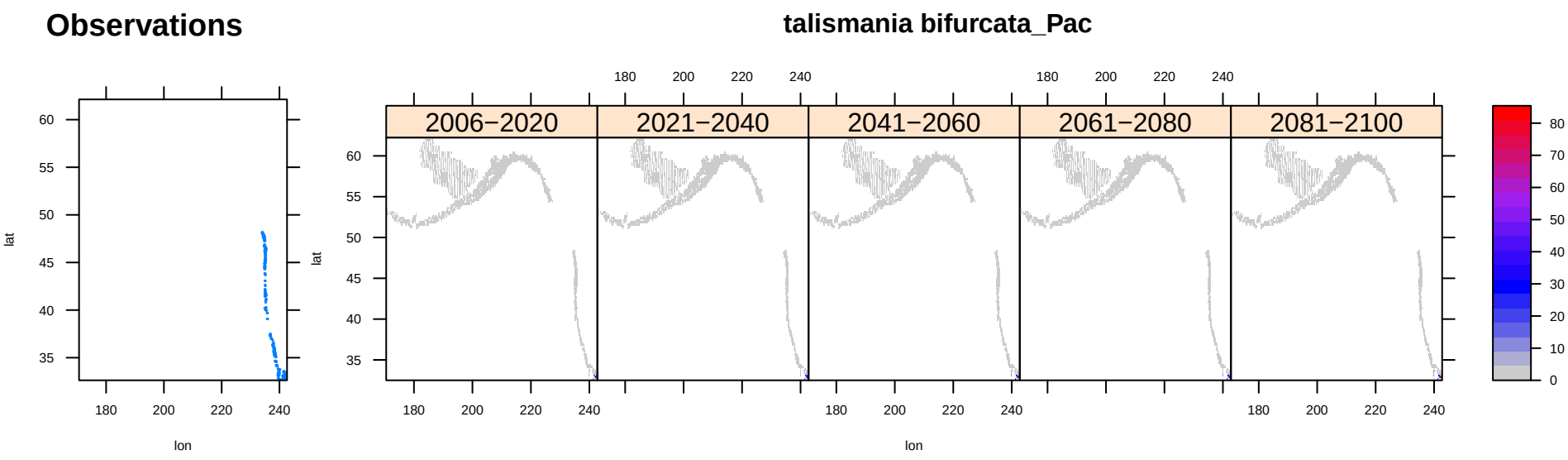
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talismania bifurcata_Pac
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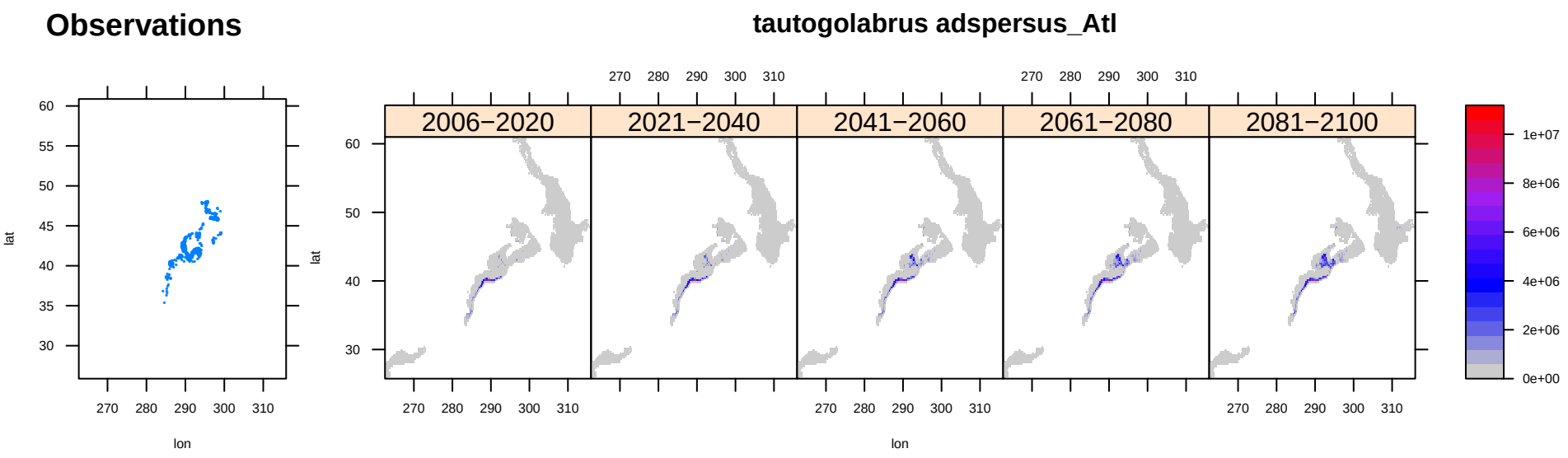
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tautogolabrus adspersus_Atl
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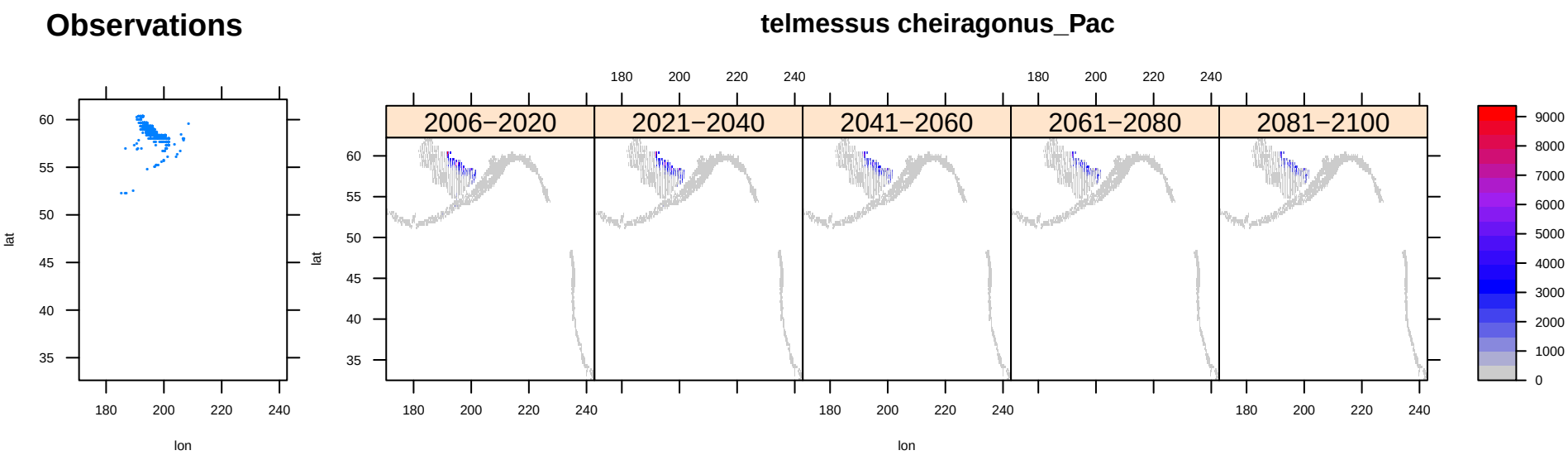
Observations
telmessus cheiragonus_Pac
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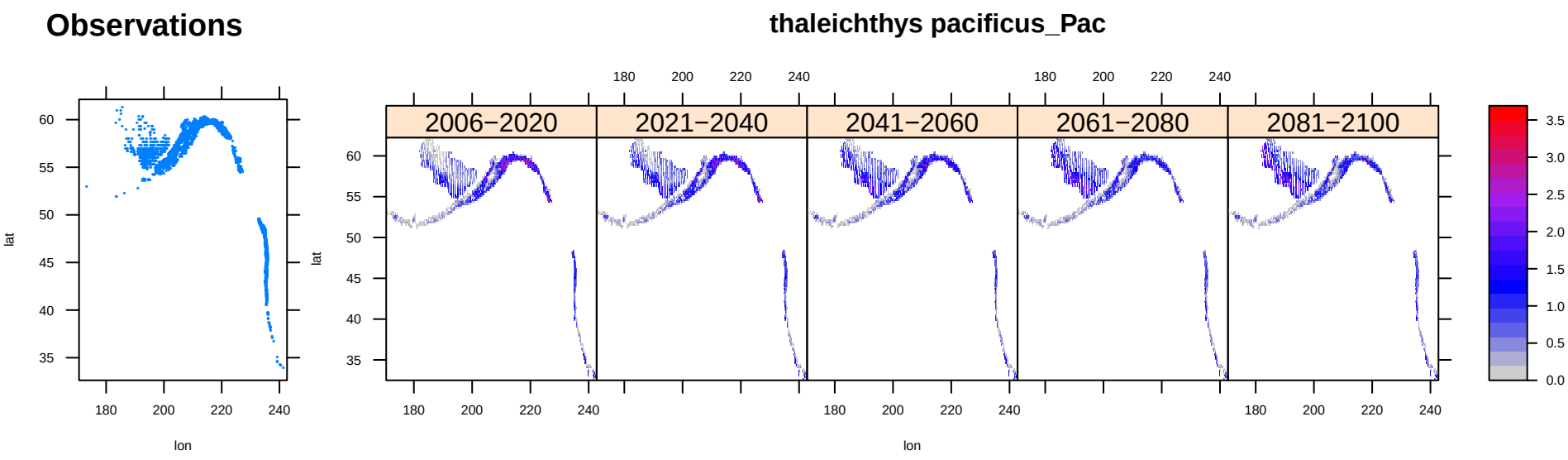
Observations
thaleichthys pacificus_Pac
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2081−2100
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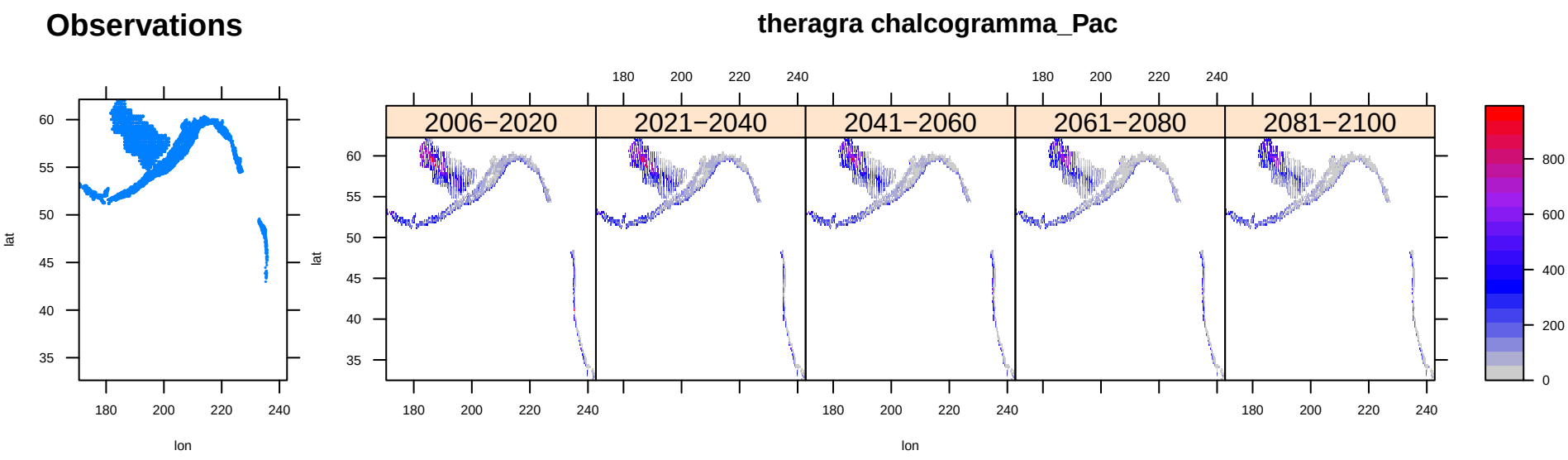
Observations
theragra chalcogramma_Pac
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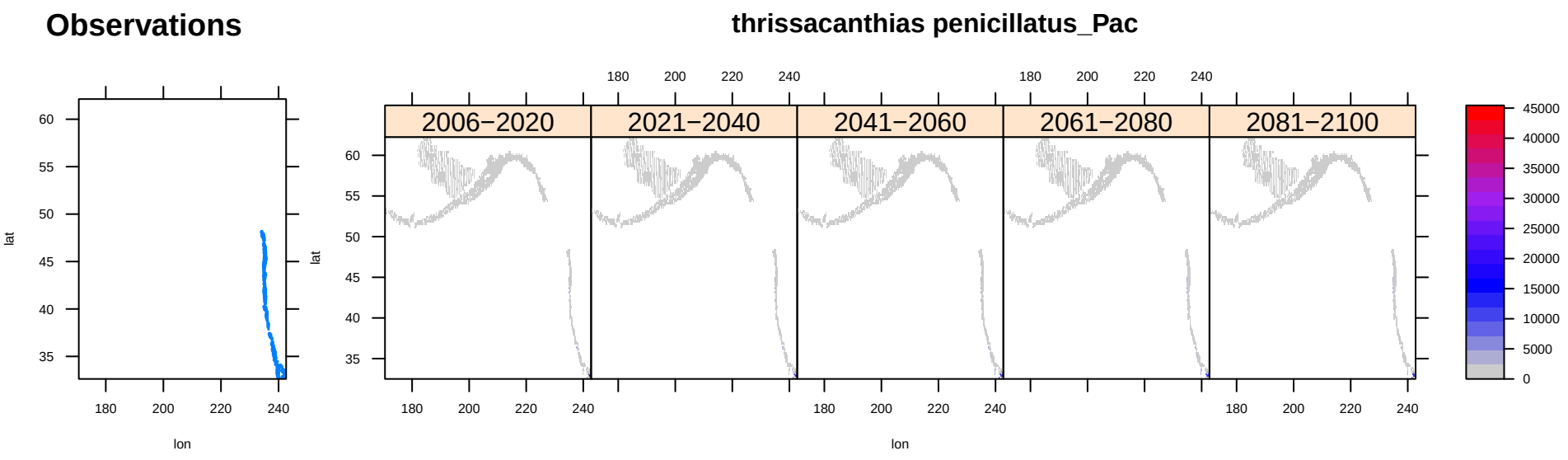
Observations
thrissacanthias penicillatus_Pac
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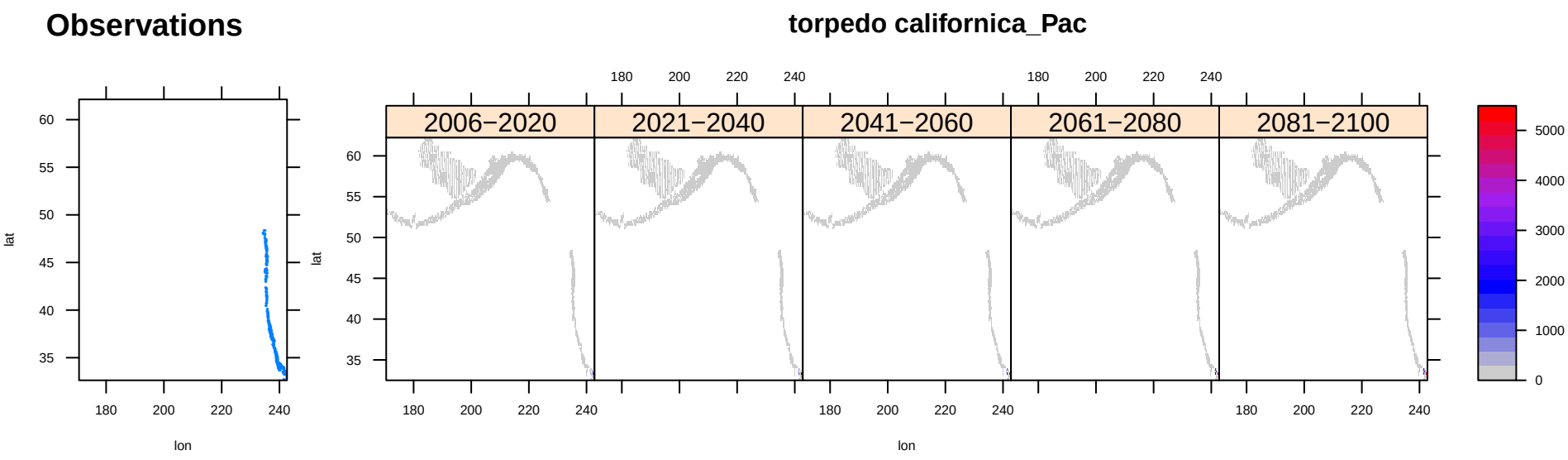
Observations
torpedo californica_Pac
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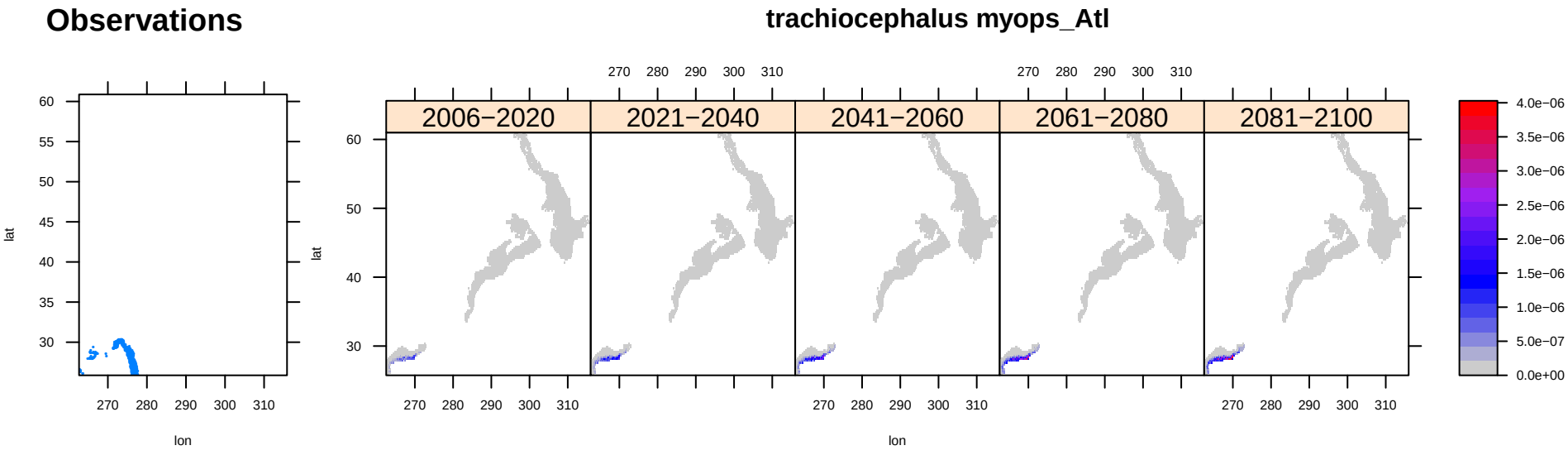
Observations
trachiocephalus myops_Atl
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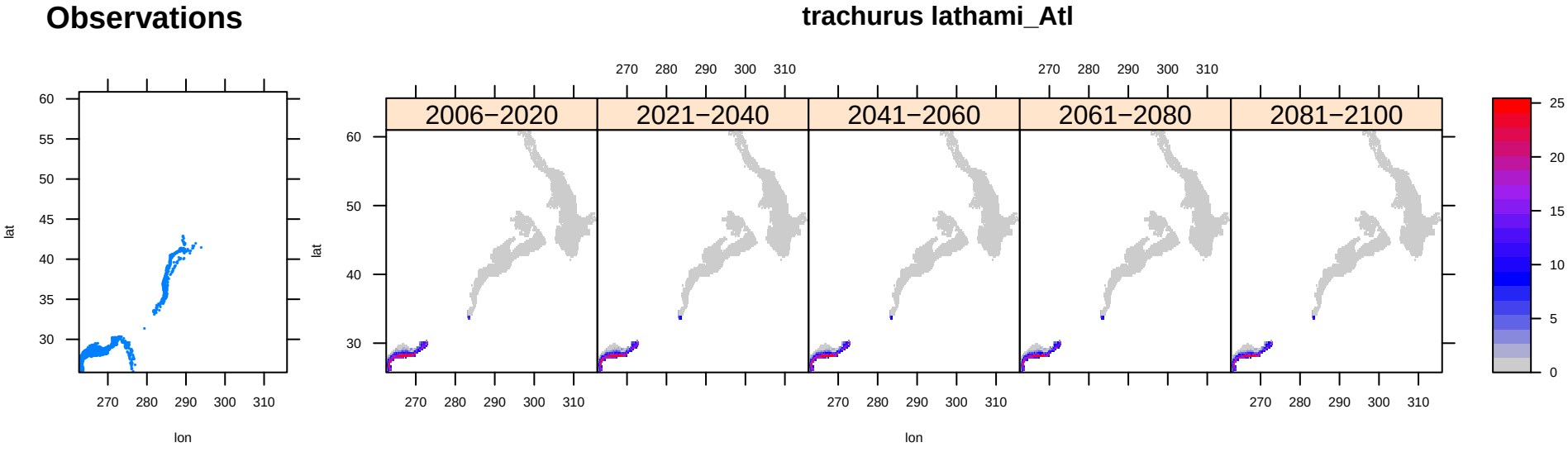
Observations
trachurus lathami_Atl
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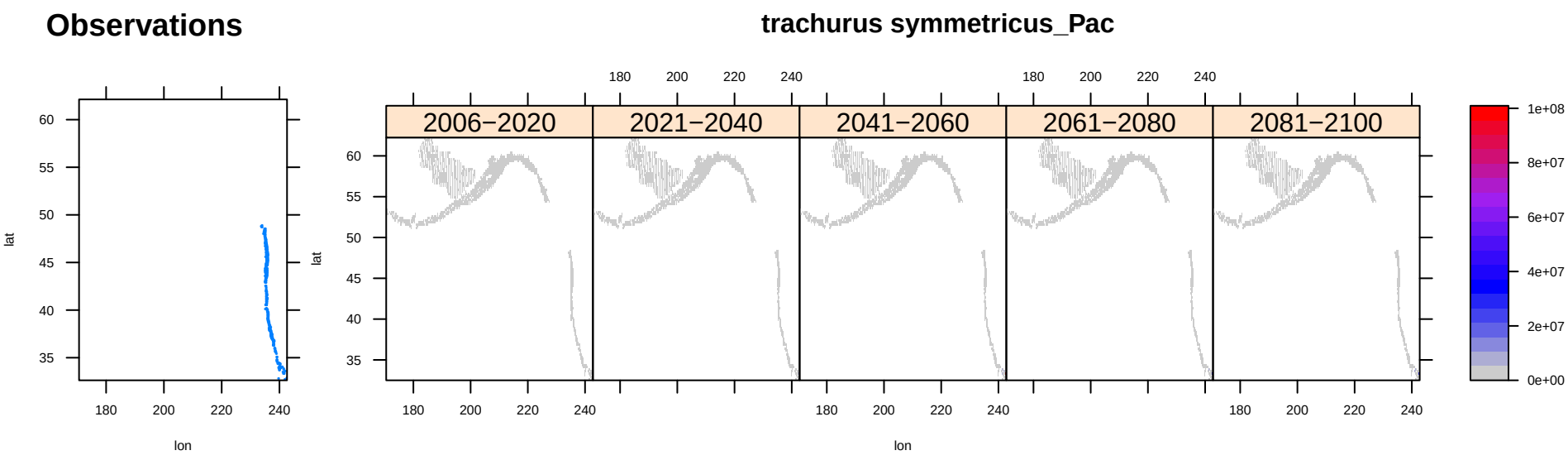
Observations
trachurus symmetricus_Pac
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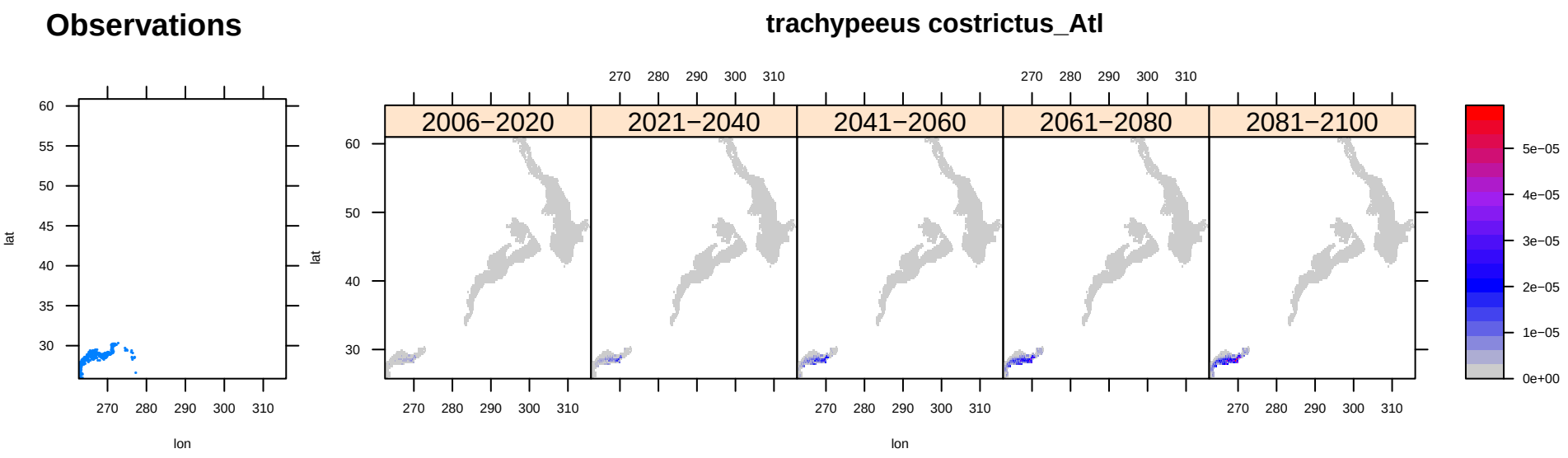
Observations
trachypeeus costrictus_Atl
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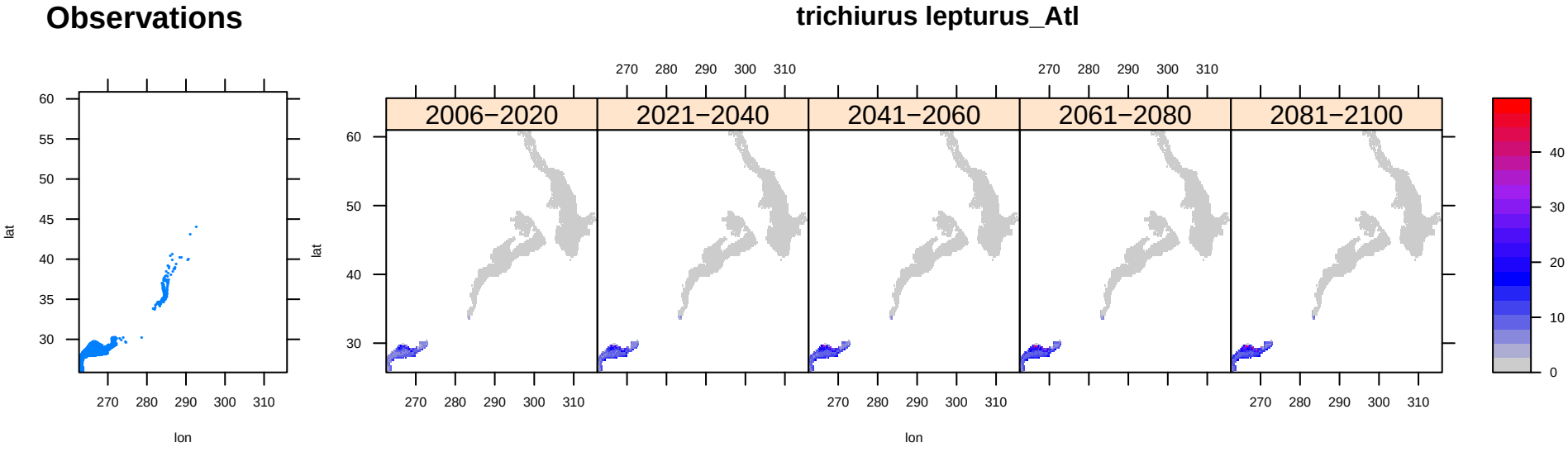
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trichiurus lepturus_Atl
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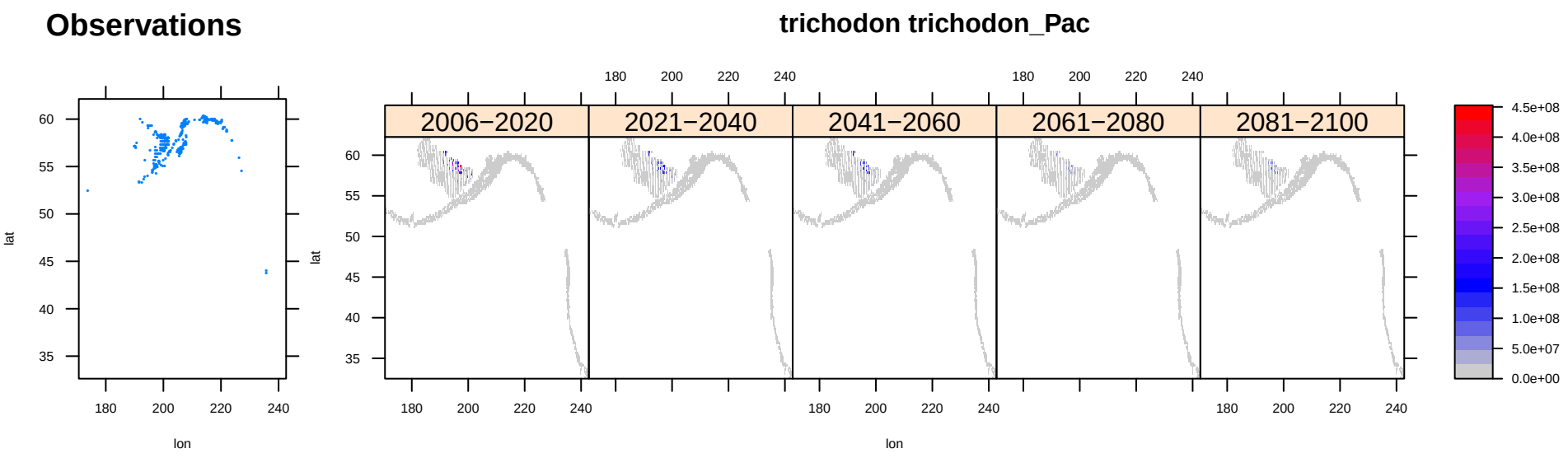
Observations
trichodon trichodon_Pac
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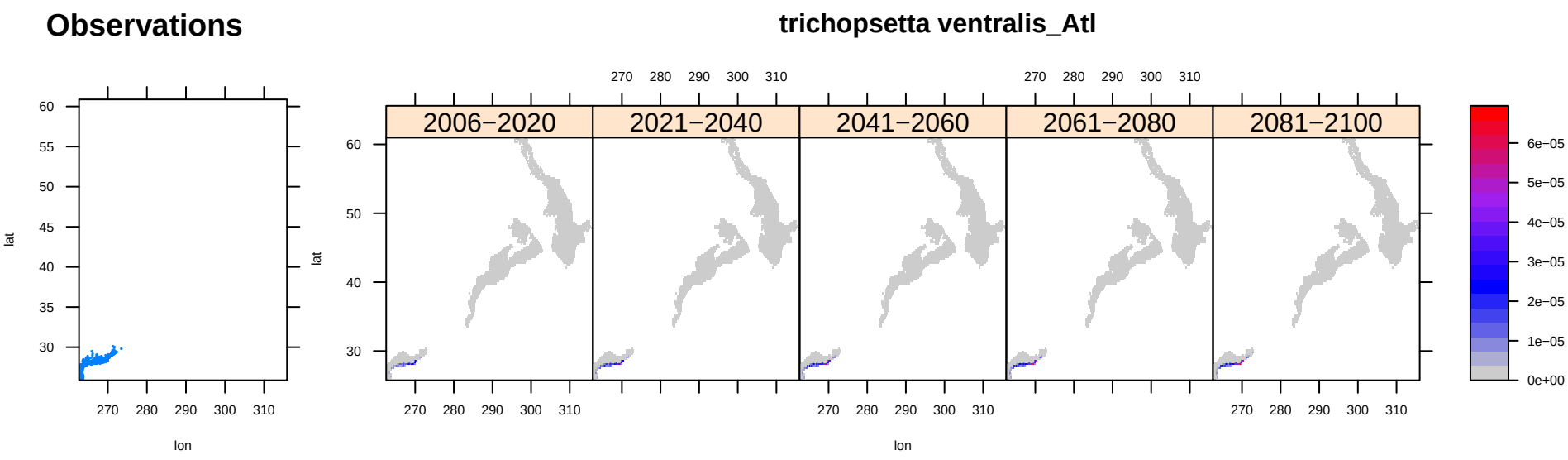
Observations
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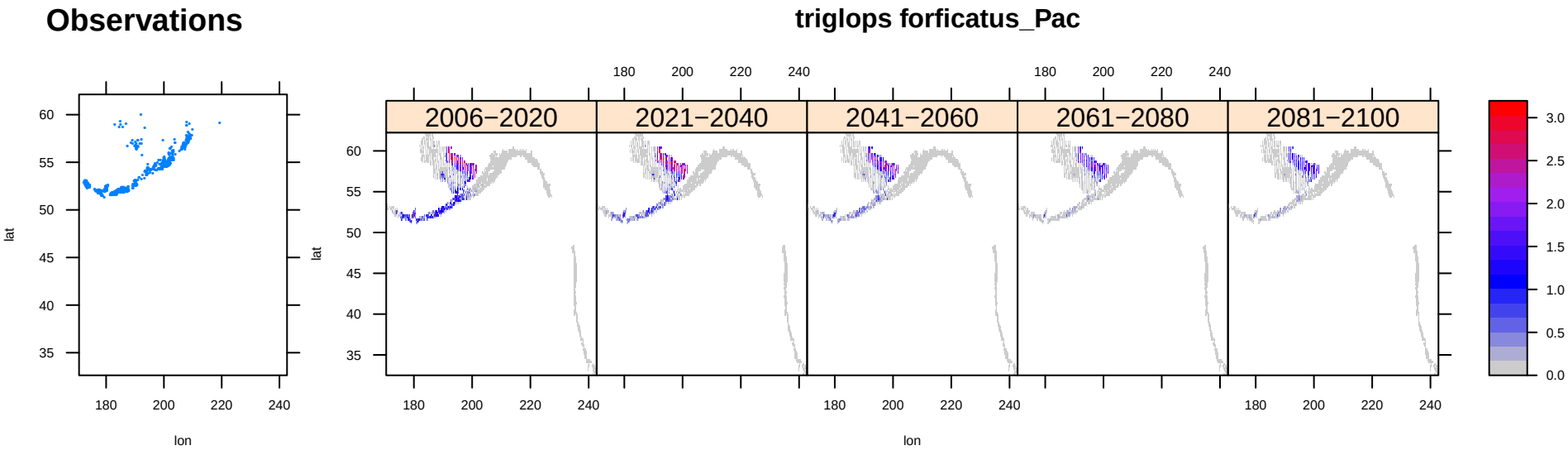
Observations
triglops forficatus_Pac
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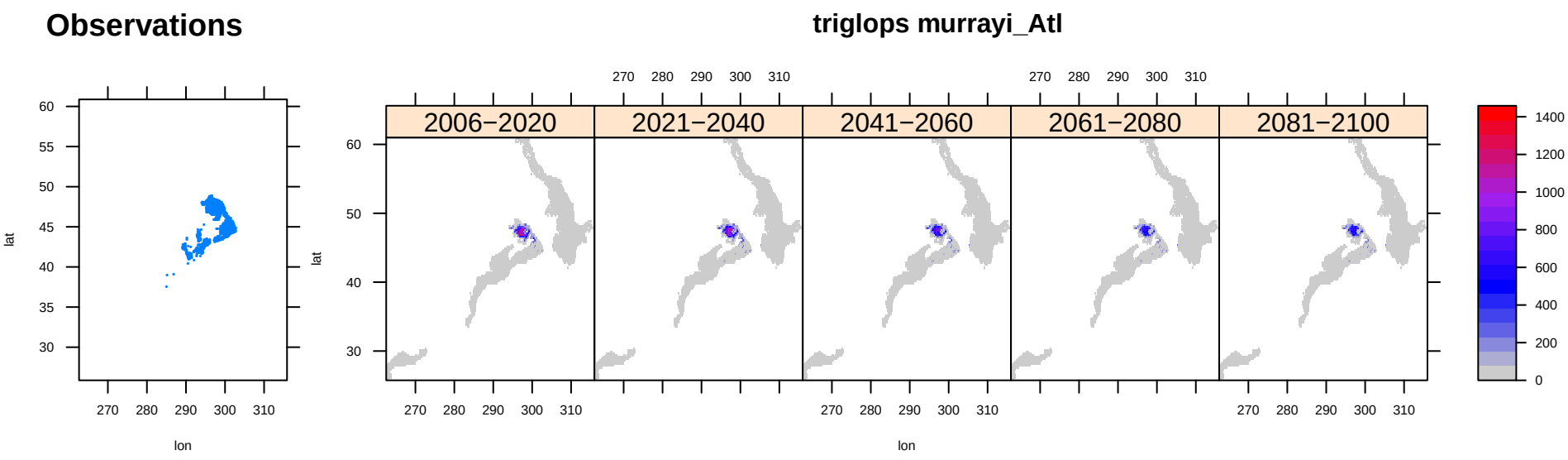
Observations
triglops murrayi_Atl
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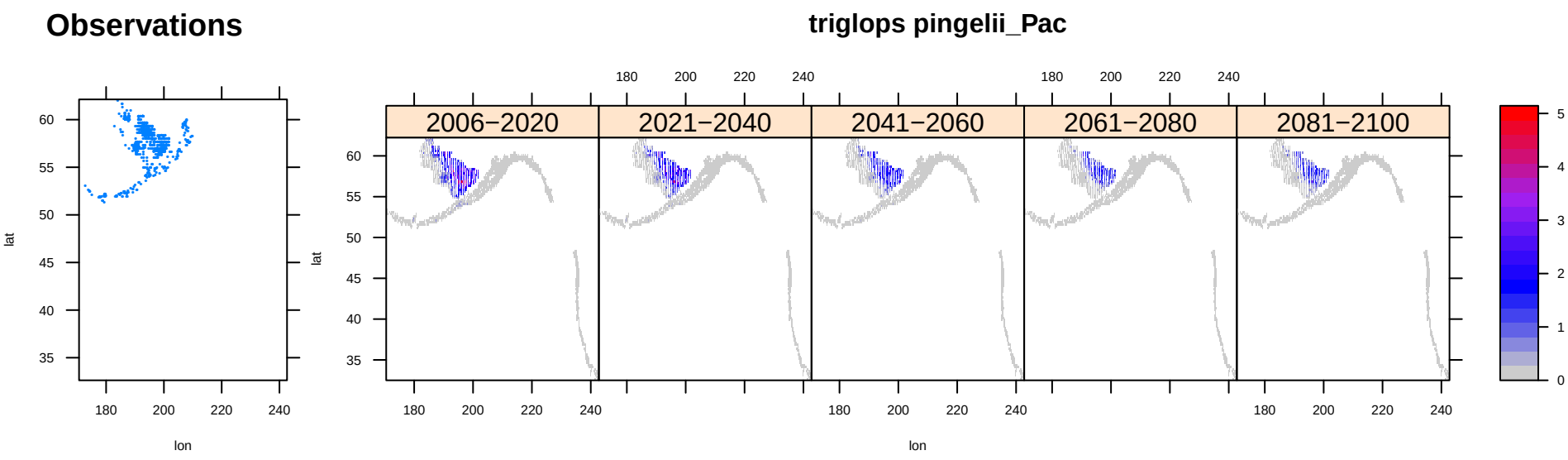
Observations
triglops pingelii_Pac
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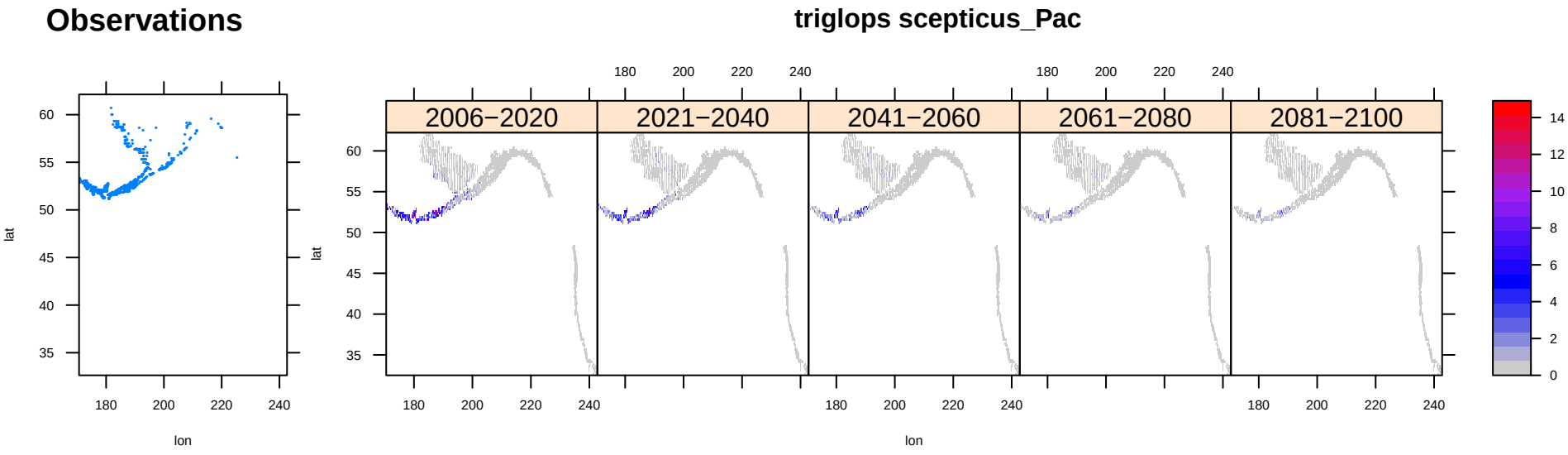
Observations
triglops scepticus_Pac
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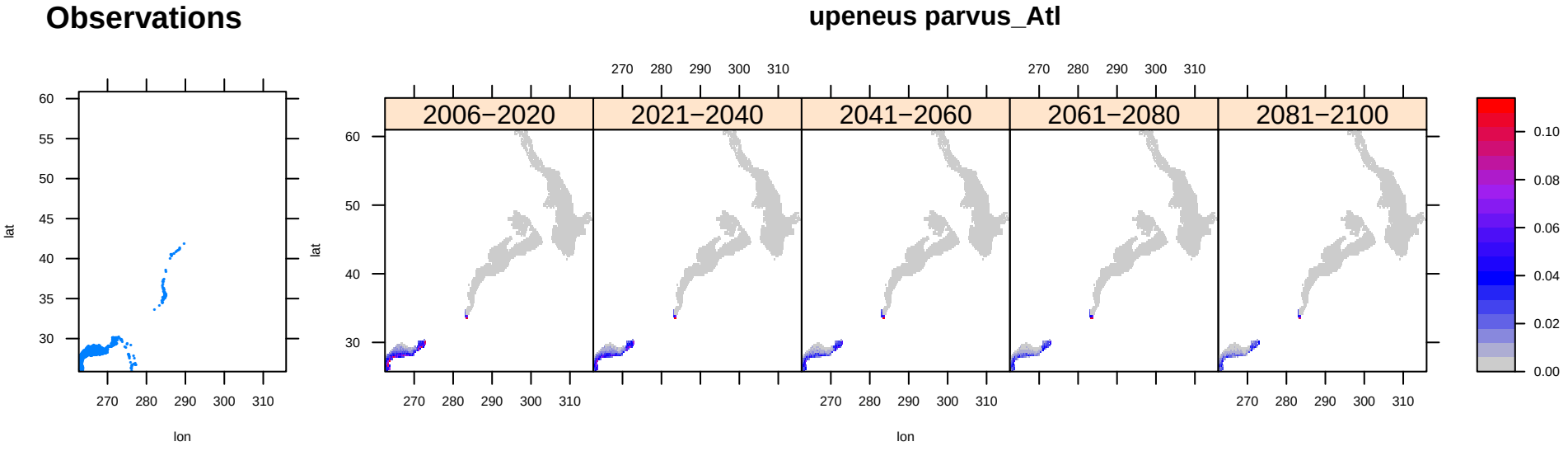
Observations
upeneus parvus_Atl
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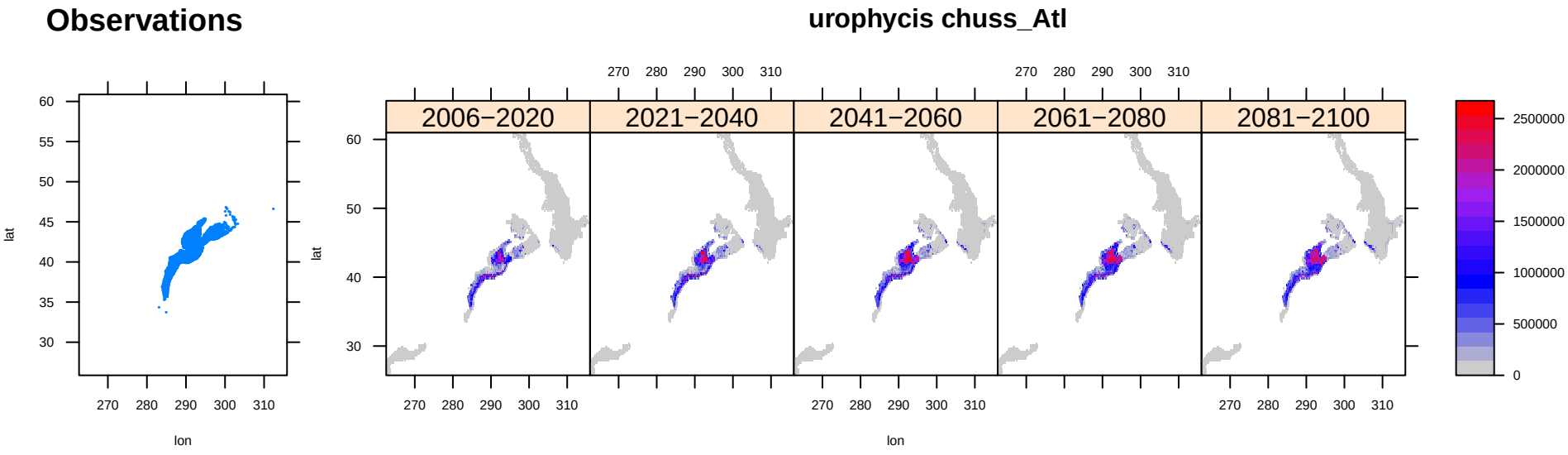
Observations
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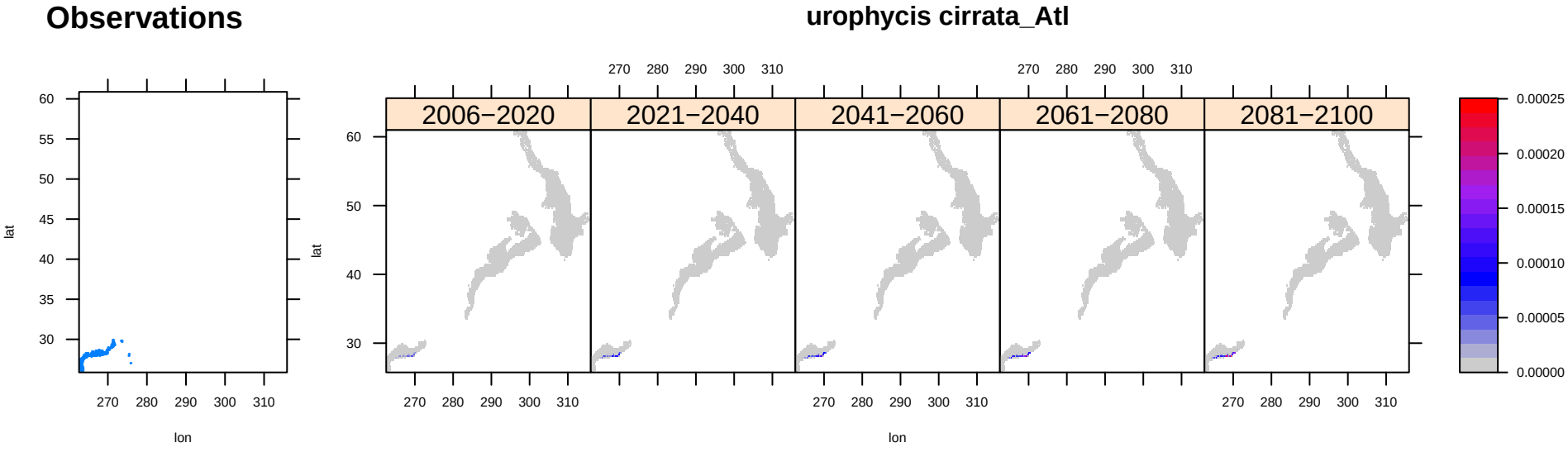
Observations
urophycis cirrata_Atl
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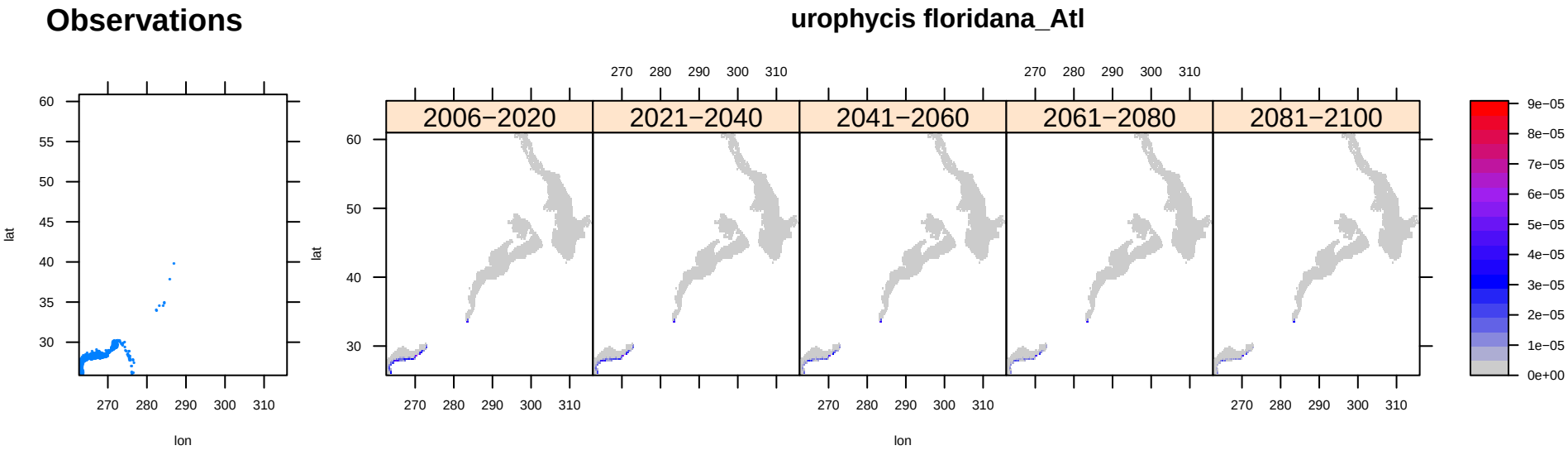
Observations
urophycis floridana_Atl
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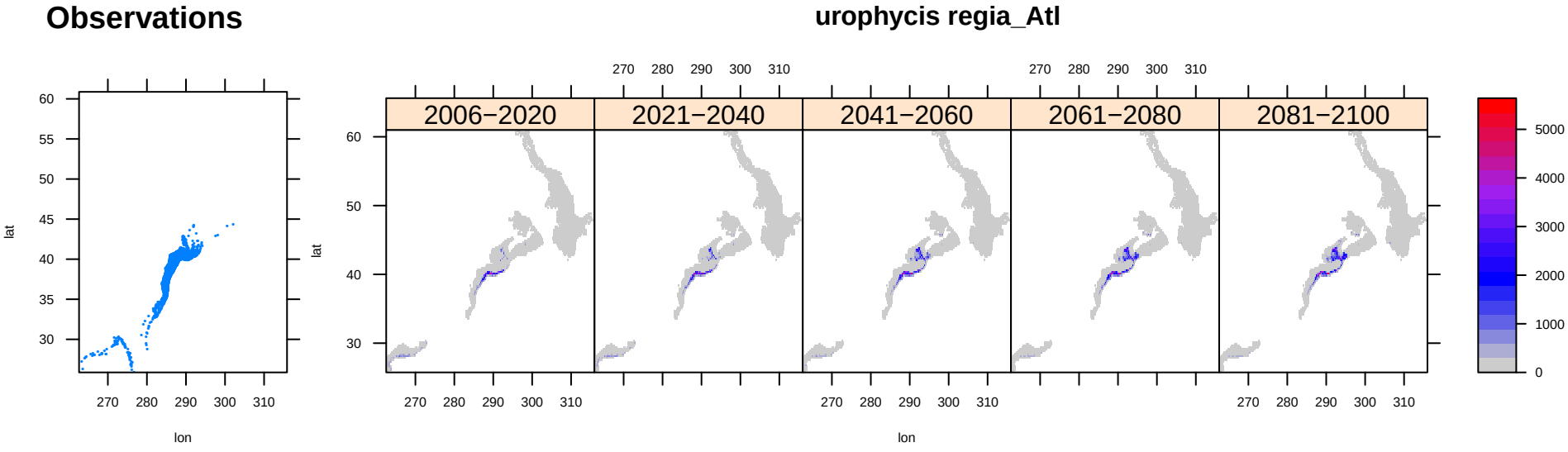
Observations
urophycis regia_Atl
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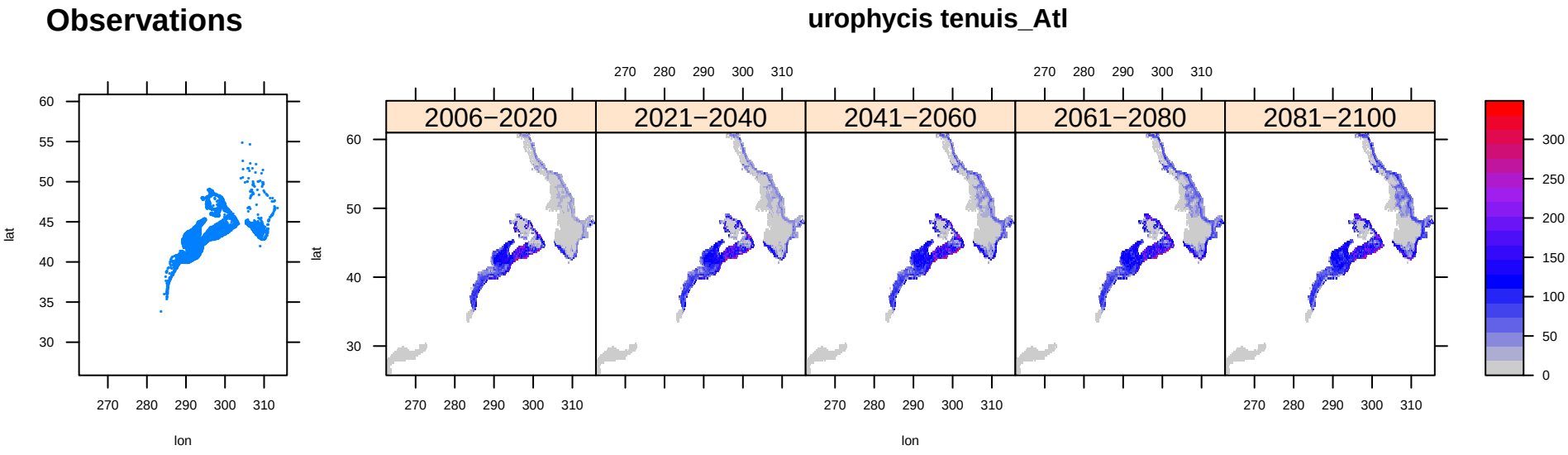
Observations
urophycis tenuis_Atl
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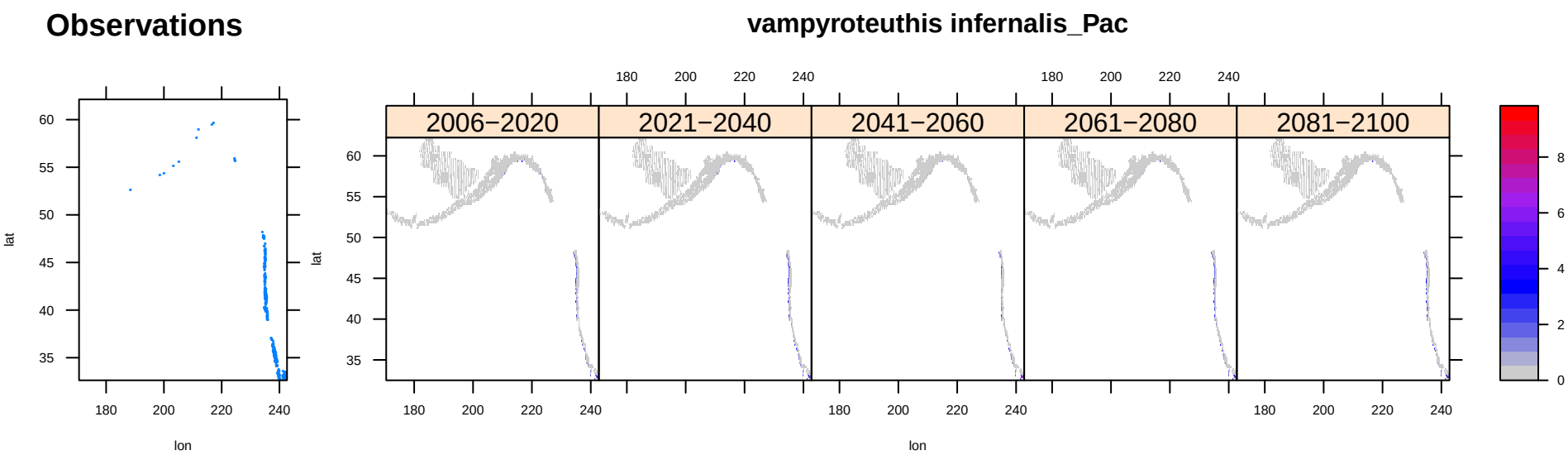
Observations
vampyroteuthis infernalis_Pac
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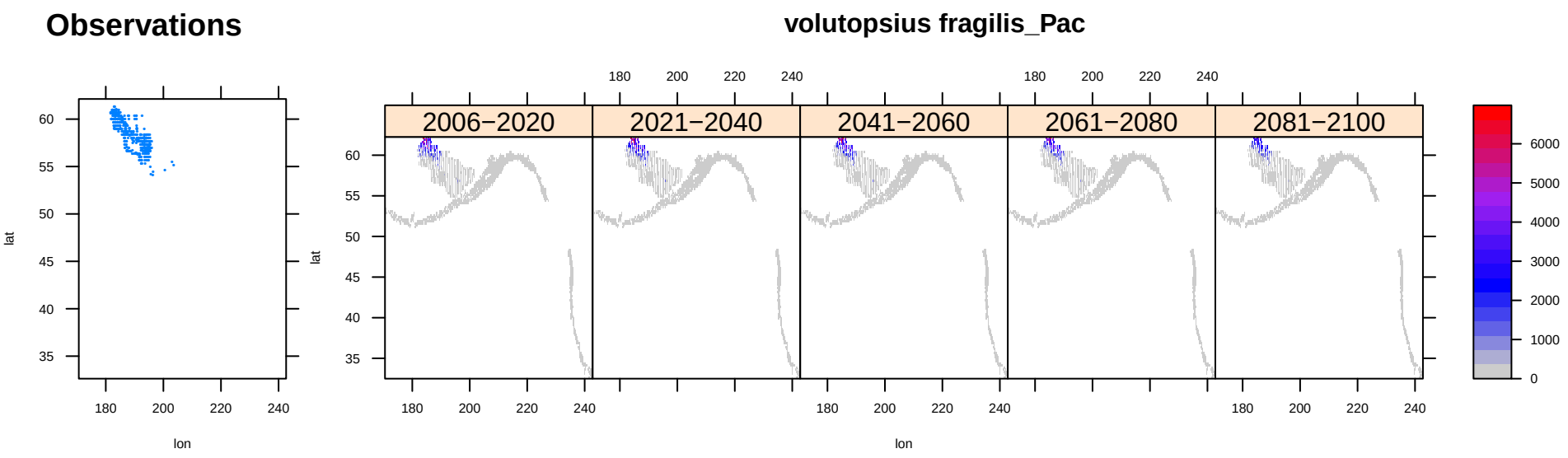
Observations
volutopsius fragilis_Pac
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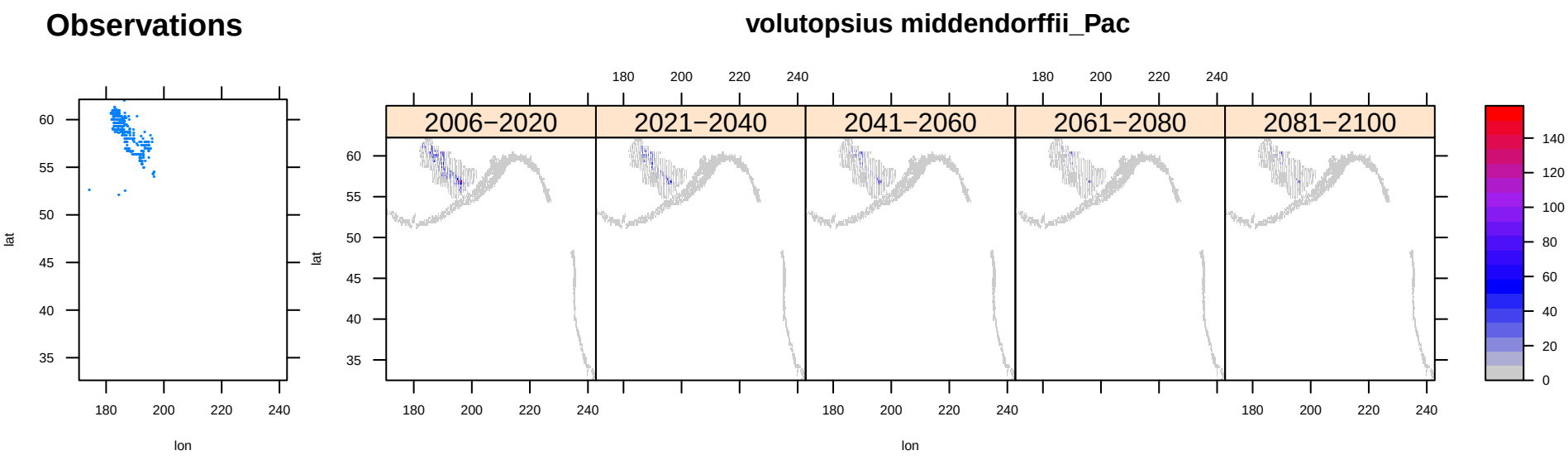
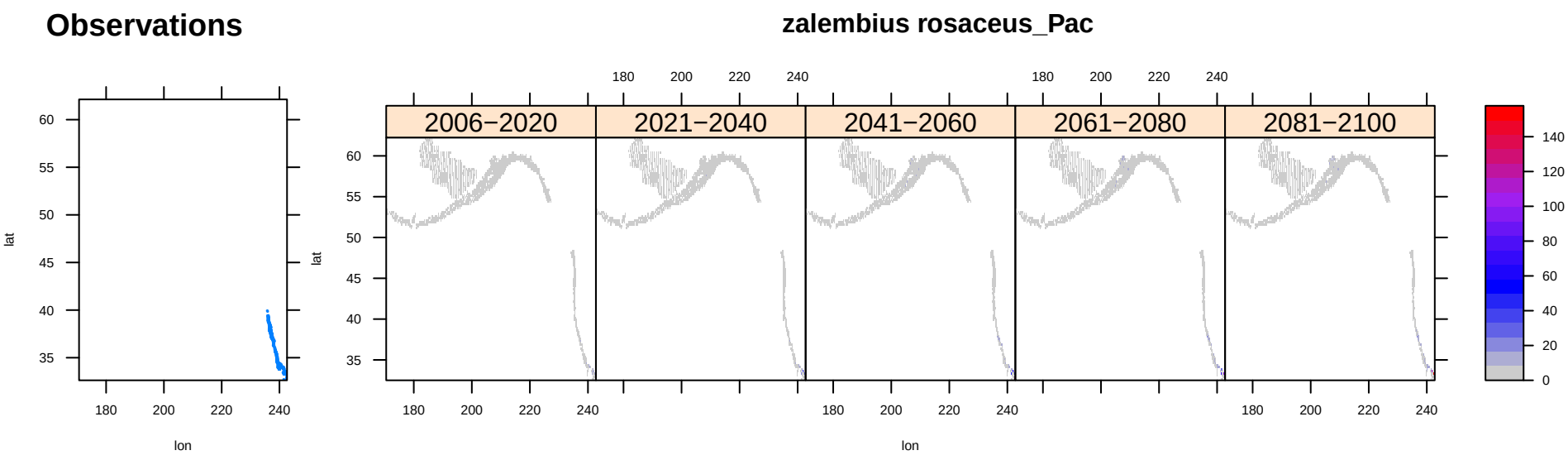

Observations
volutopsius middendorffii_Pac
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
lon
60
55
50
45
40
35
180
200
220
240
140
120
100
80
60
40
20
0


Observations
zalembius rosaceus_Pac
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
lon
60
55
50
45
40
35
180
200
220
240
140
120
100
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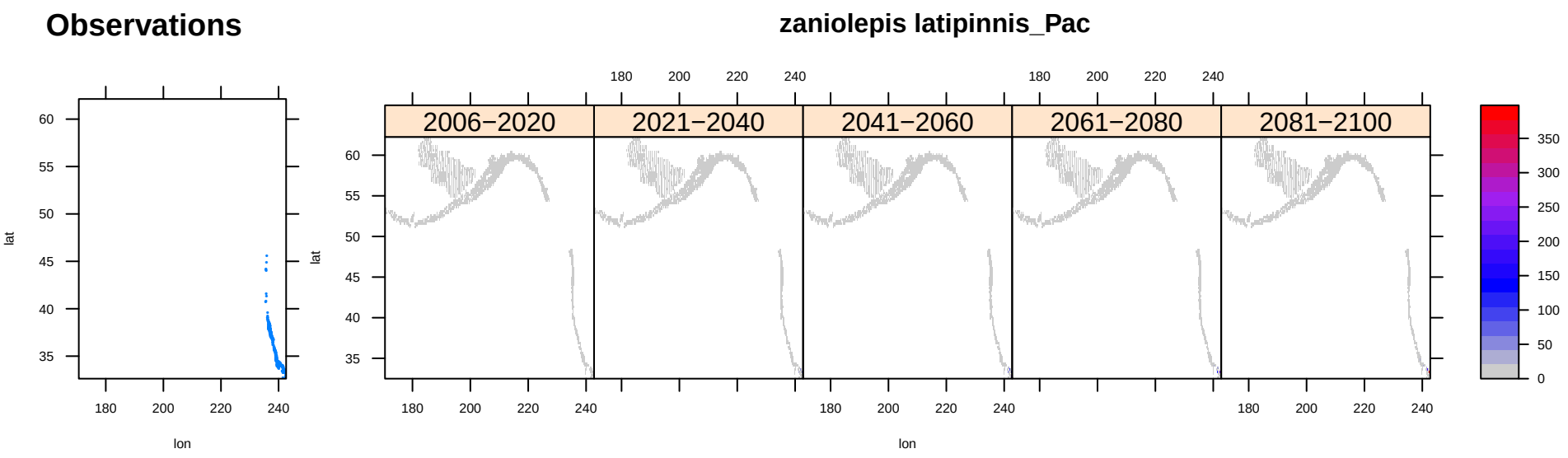
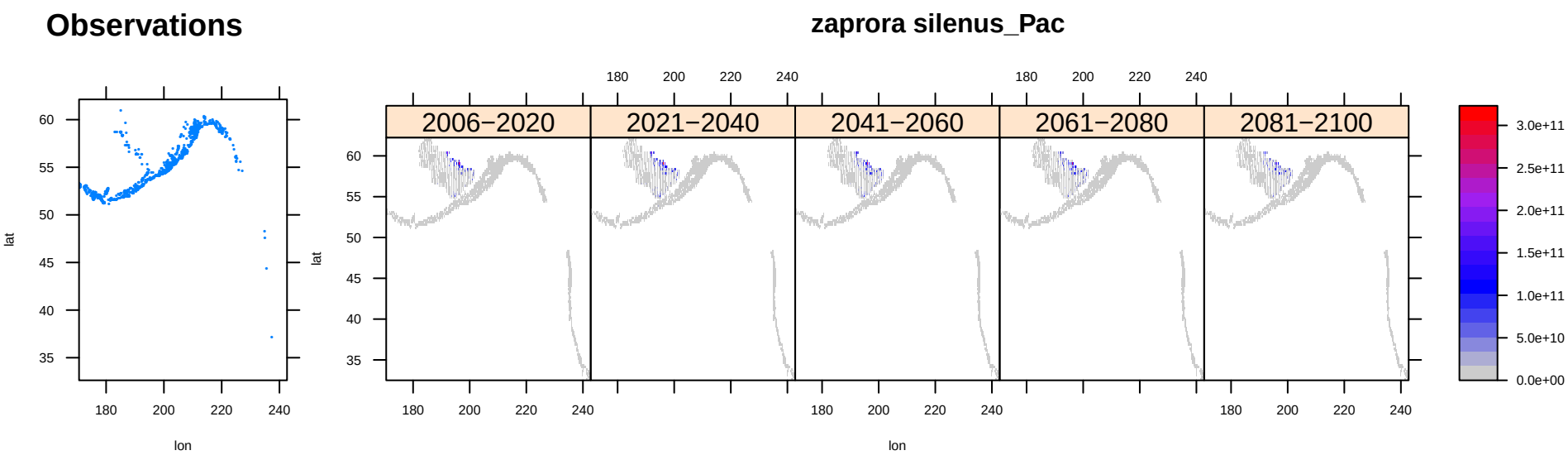
60
40
20
0


Observations
zaniolepis latipinnis_Pac
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
lon
60
55
50
45
40
35
180
200
220
240
350
300
250
200
150
100
50
0


Observations
zaprora silenus_Pac
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
lon
180
200
220
240
35
40
45
50
55
60
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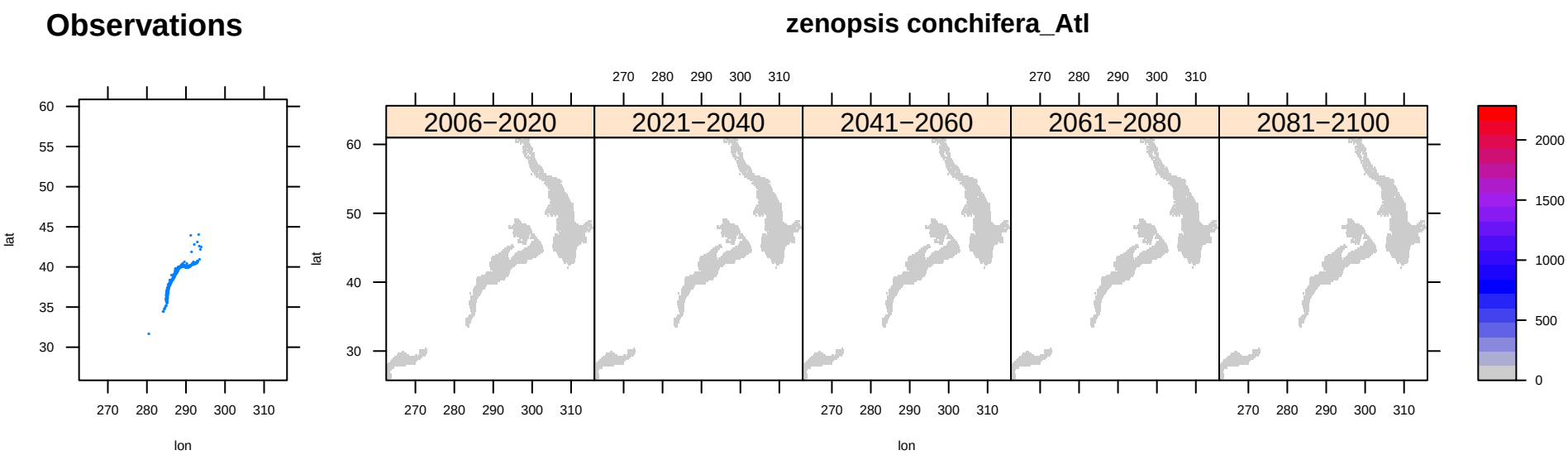
5.0e+10
1.0e+11
1.5e+11
2.0e+11
2.5e+11
3.0e+11


Observations
zenopsis conchifera_Atl
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
lon
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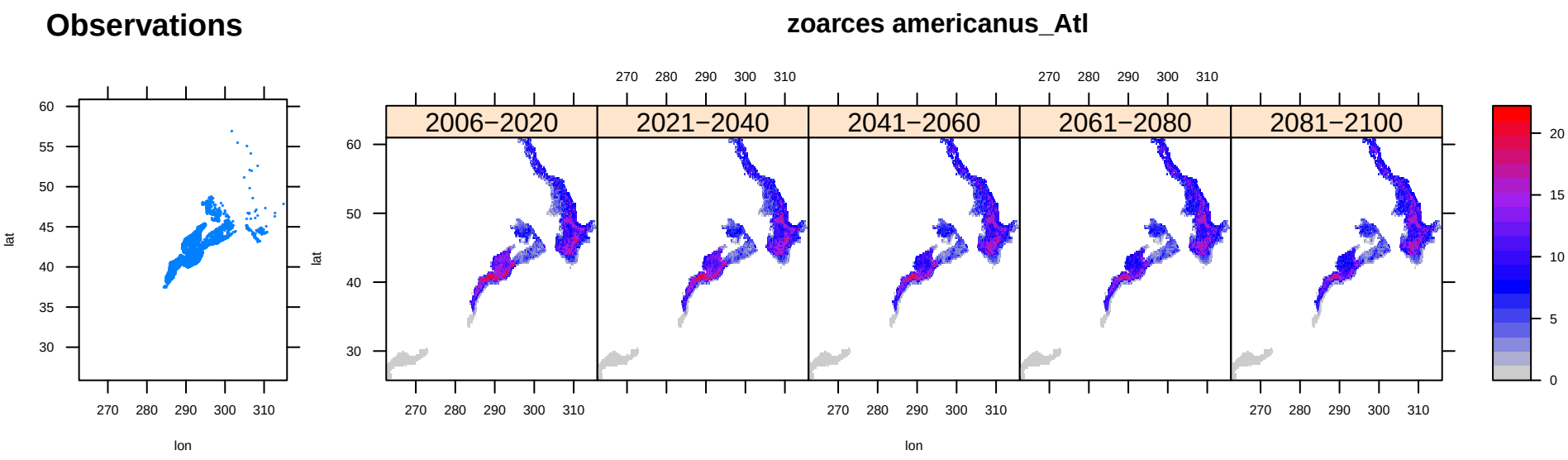
55
50
45
40
35
30
270
280
290
300
310
2000
1500
1000
500
0


Observations
zoarces americanus_Atl
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
lon
60
55
50
45
40
35
30
270
280
290
300
310
20
15
10
5
0