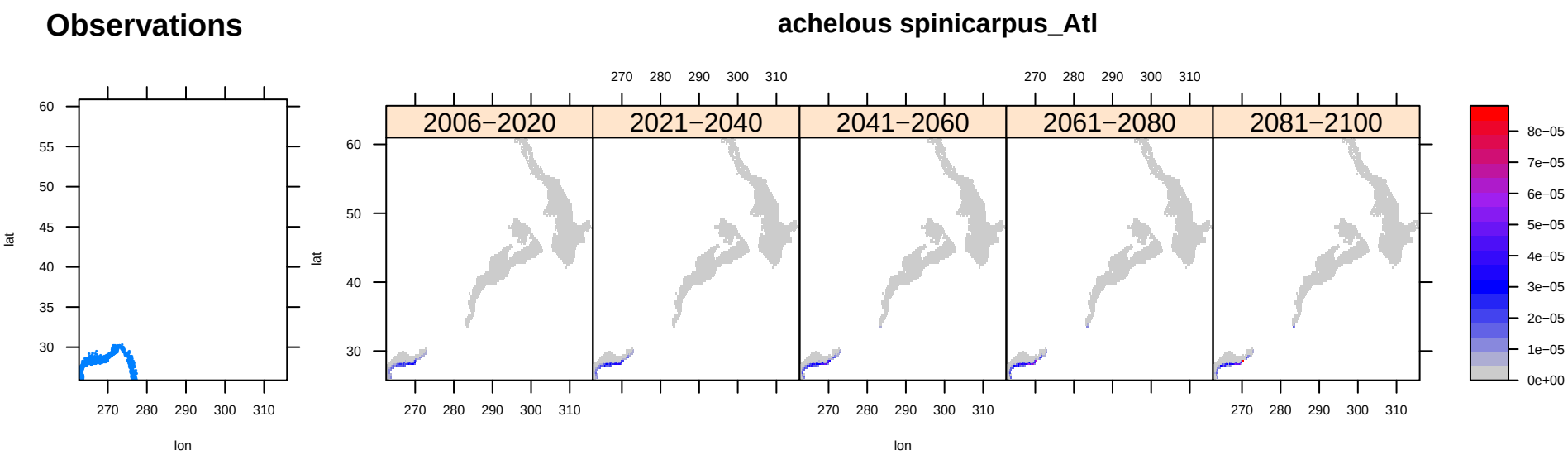
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achelous spinicarpus_Atl
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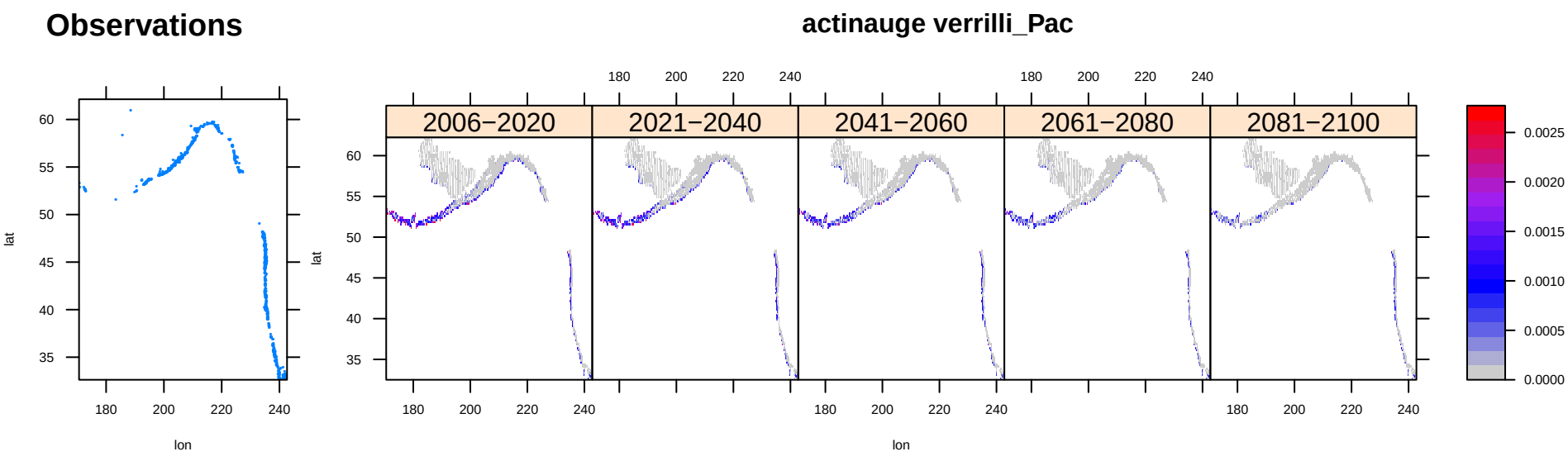
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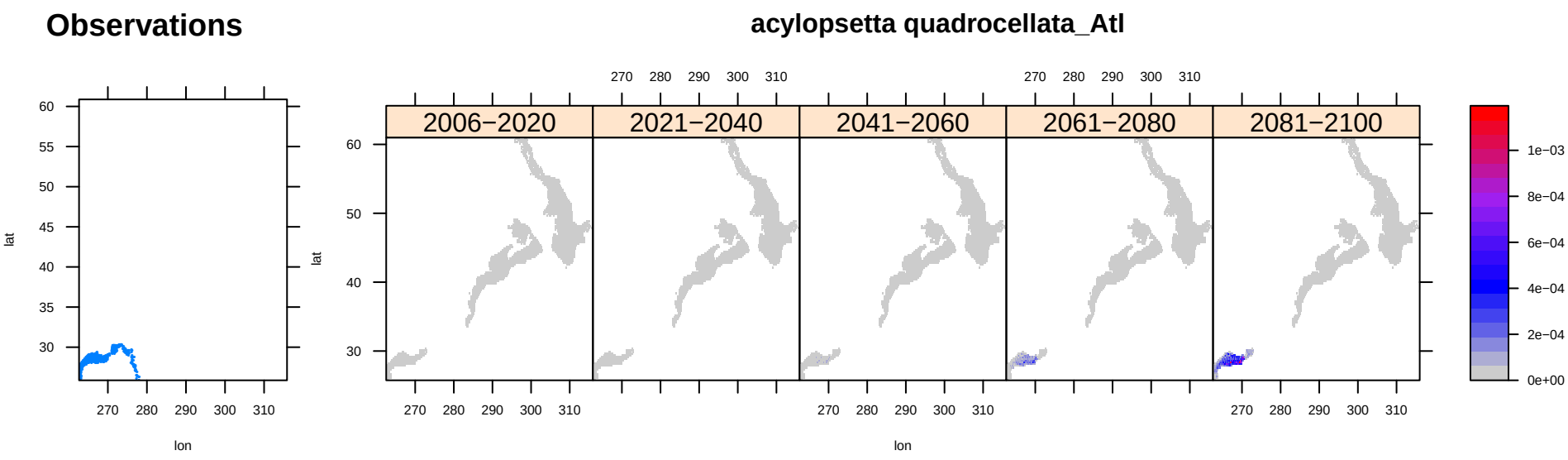
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acylopsetta quadrocellata_Atl
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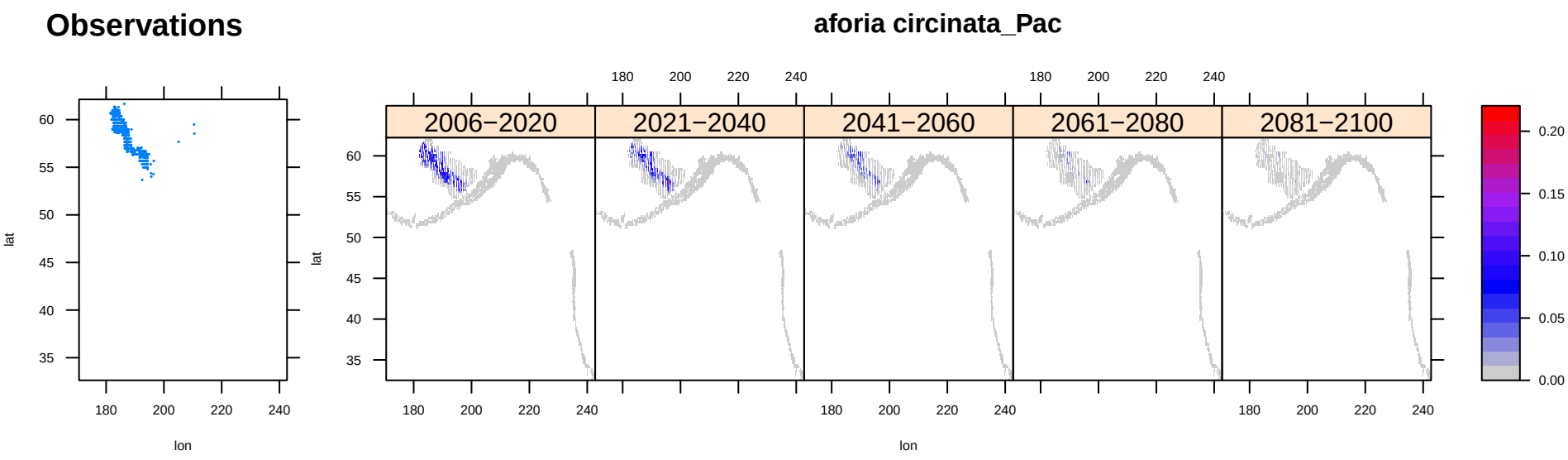
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aforia circinata_Pac
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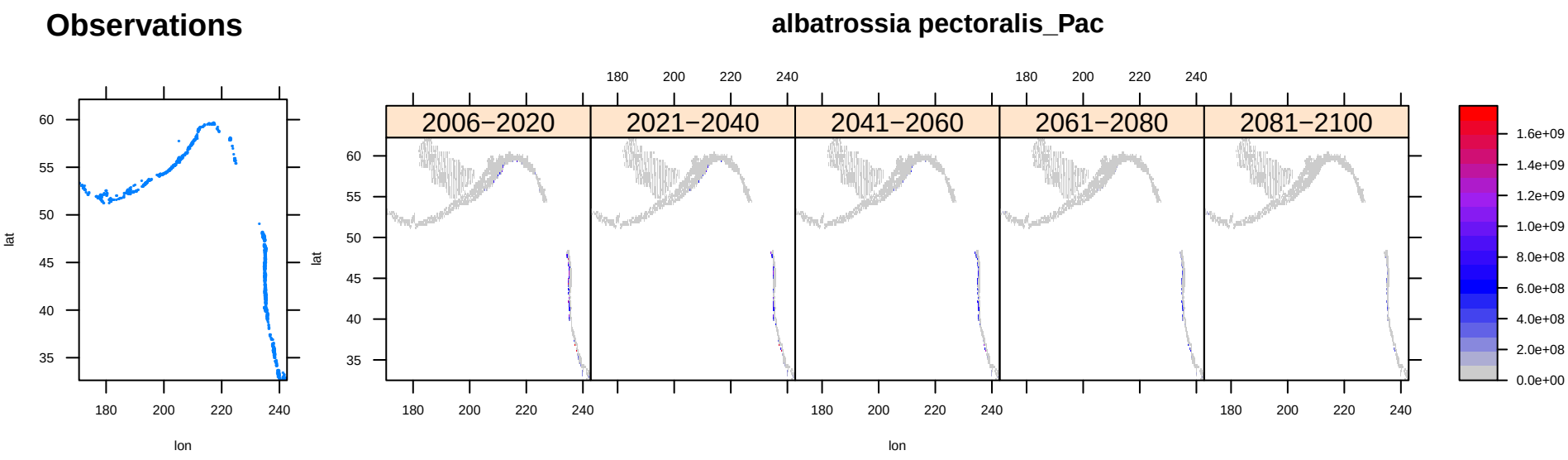
Observations
albatrossia pectoralis_Pac
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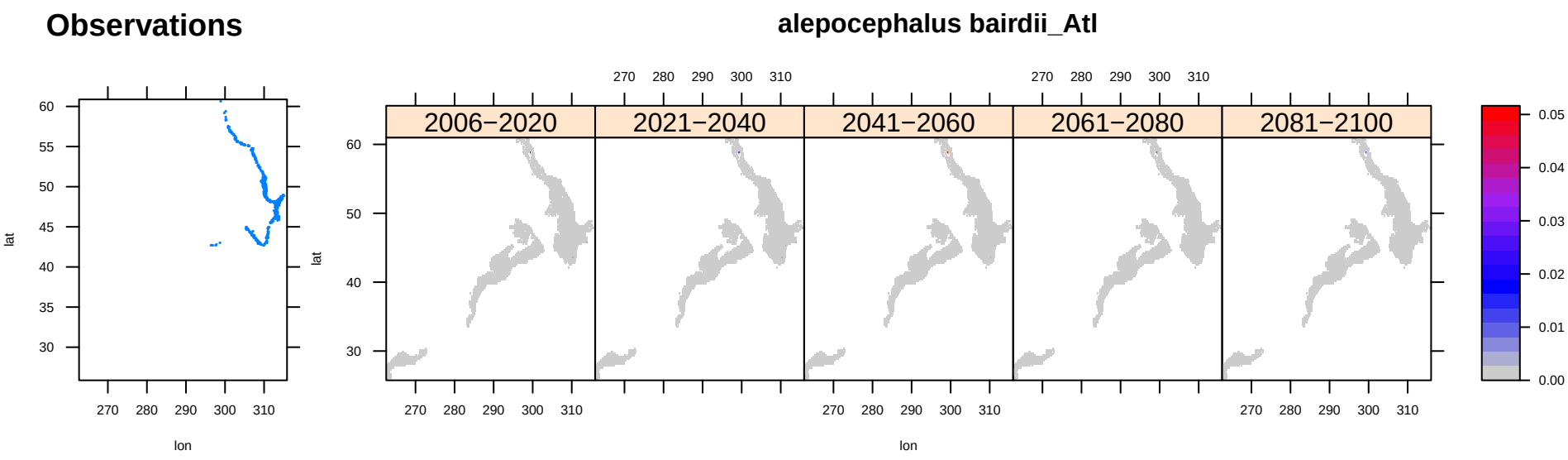
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alepocephalus bairdii_Atl
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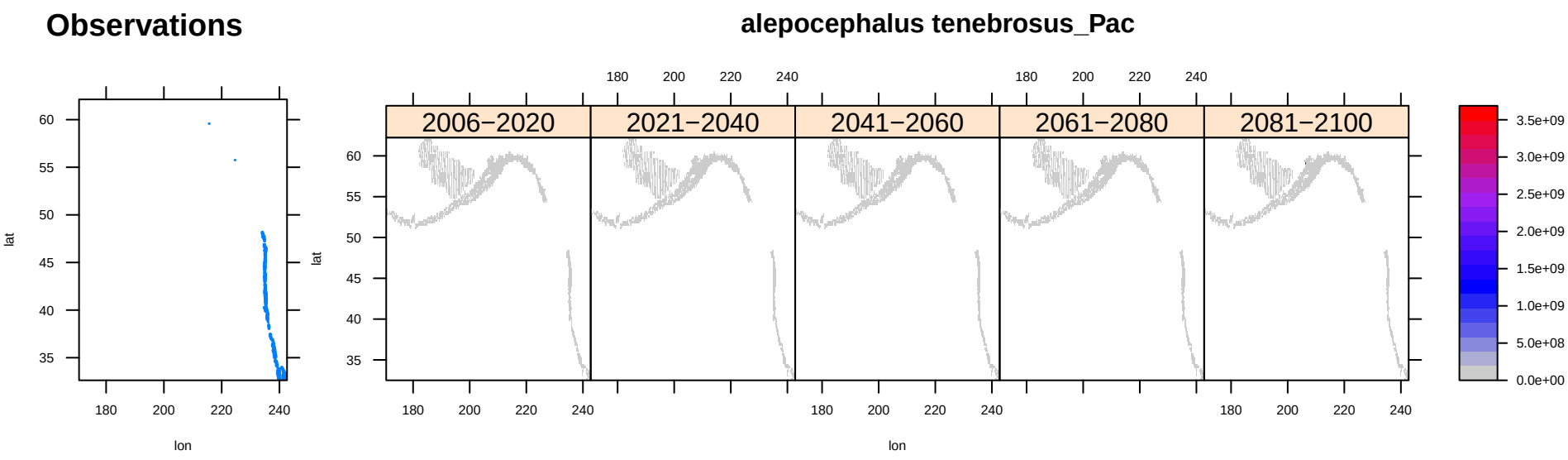
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alepocephalus tenebrosus_Pac
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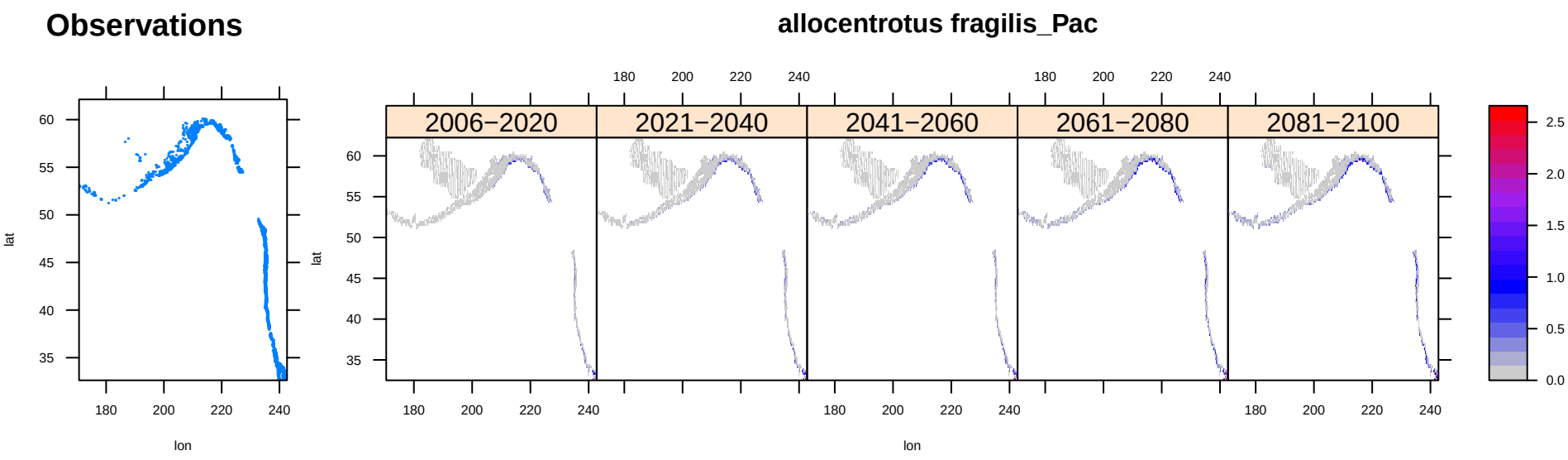
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allocentrotus fragilis_Pac
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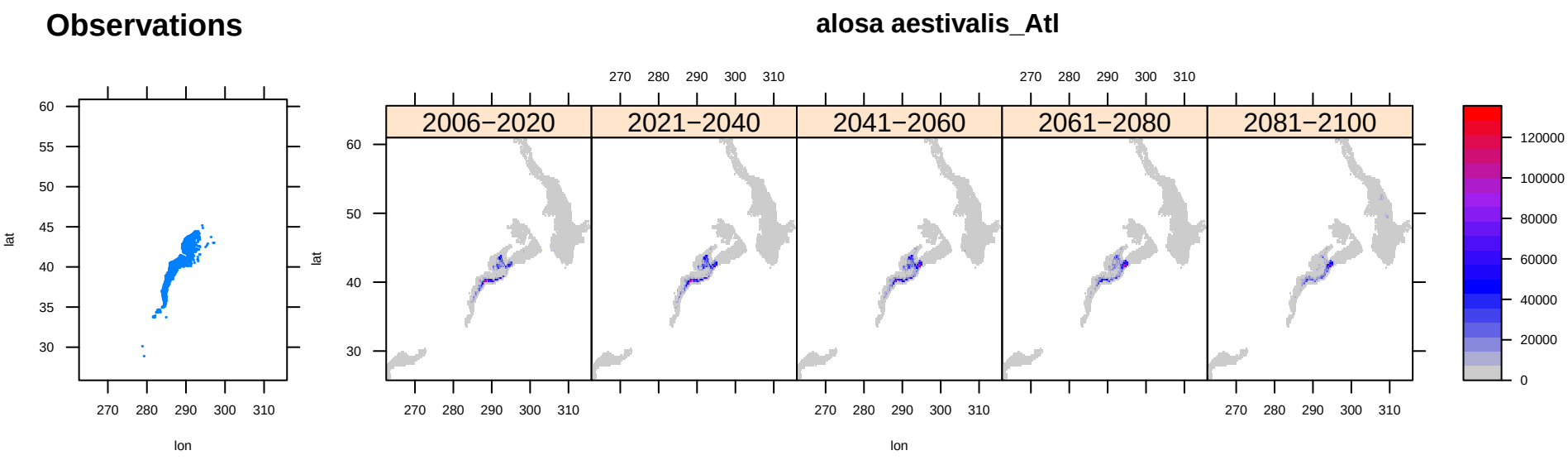
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alosa aestivalis_Atl
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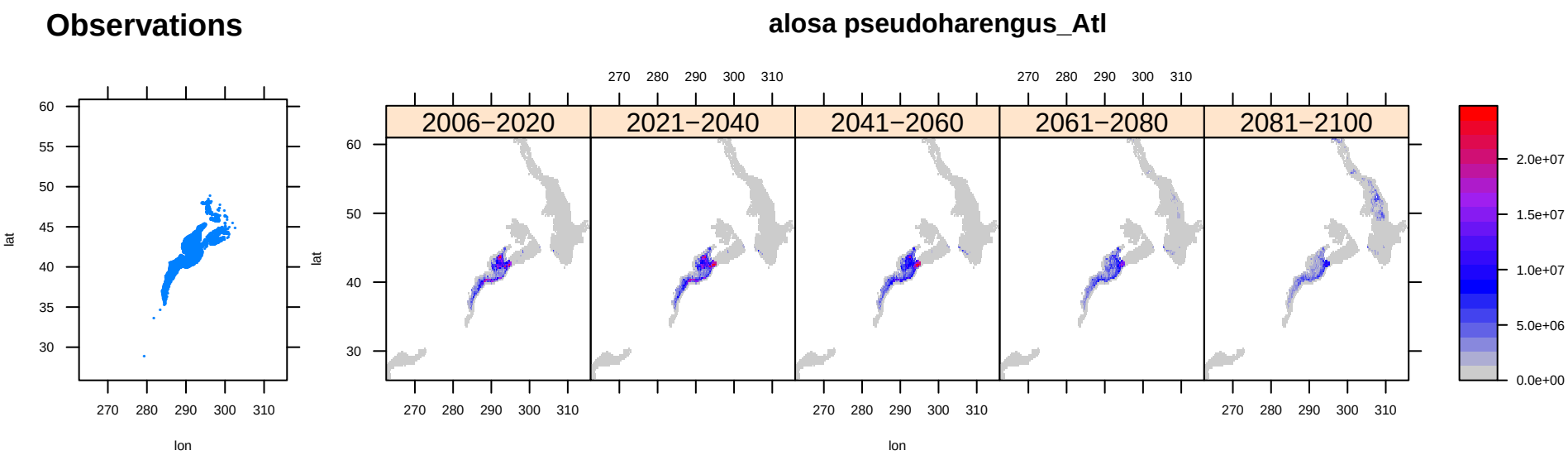
Observations
alosa pseudoharengus_Atl
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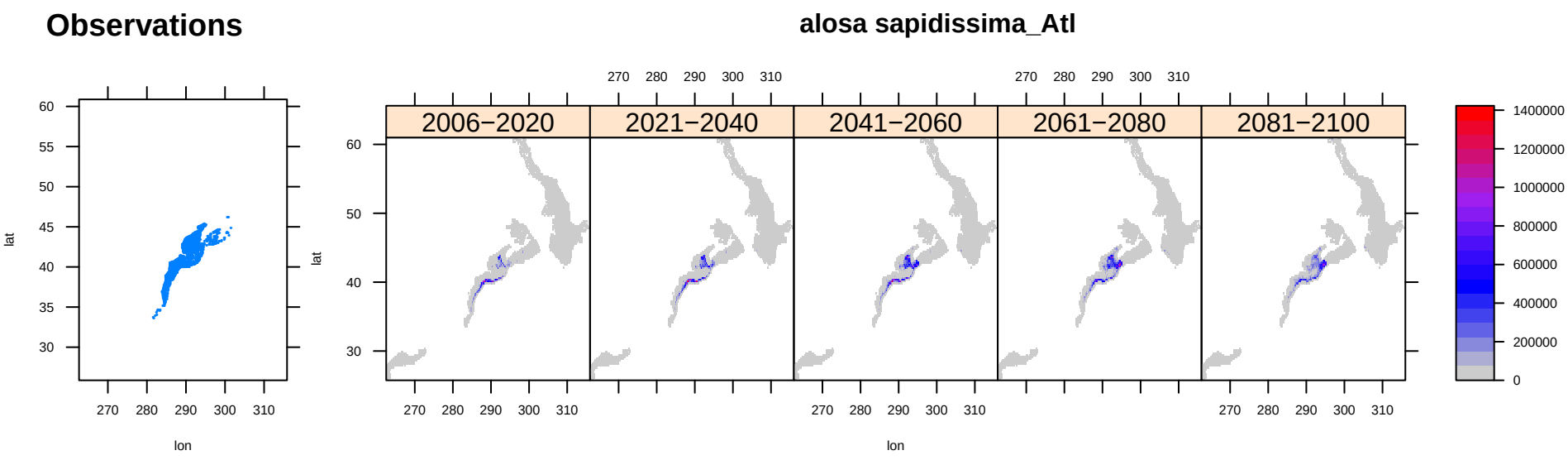
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alosa sapidissima_Atl
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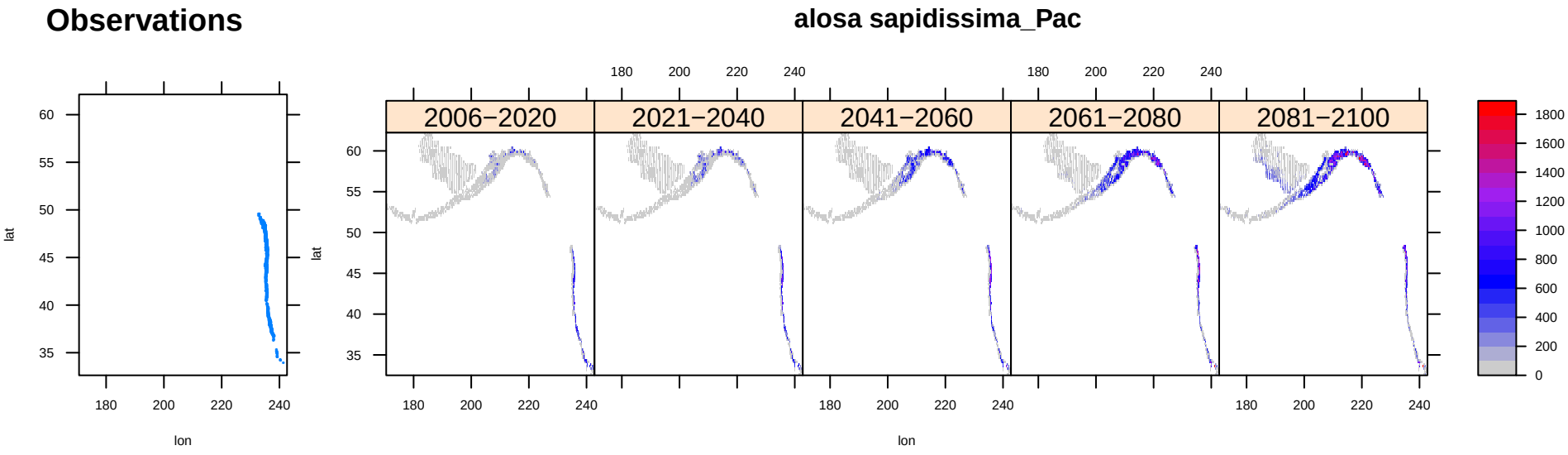
Observations
alosa sapidissima_Pac
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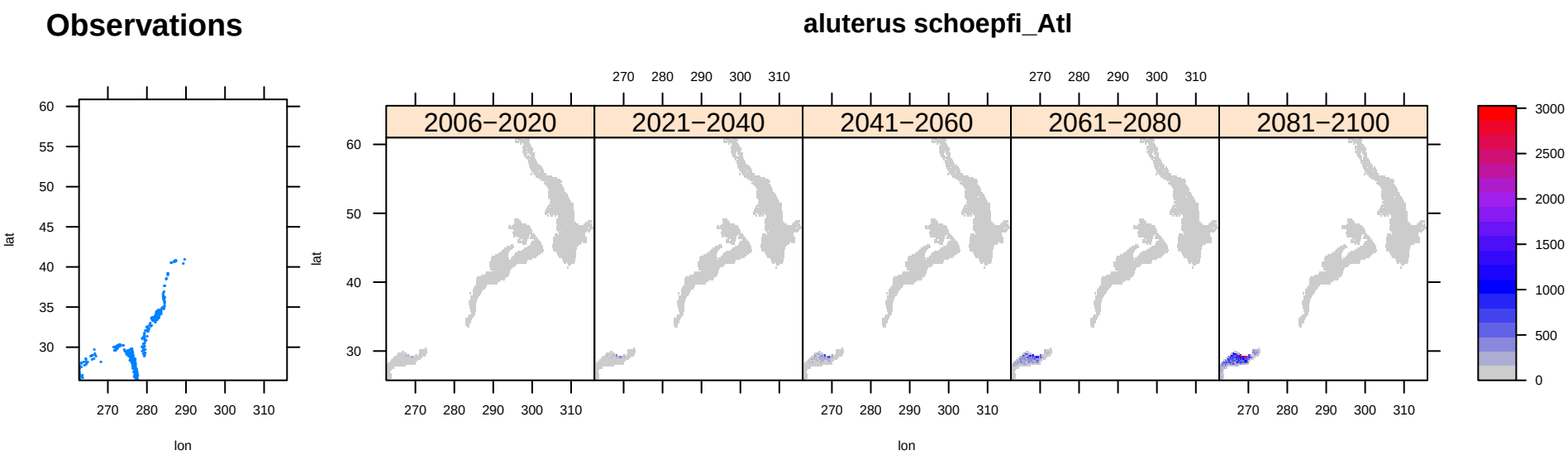
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aluterus schoepfi_Atl
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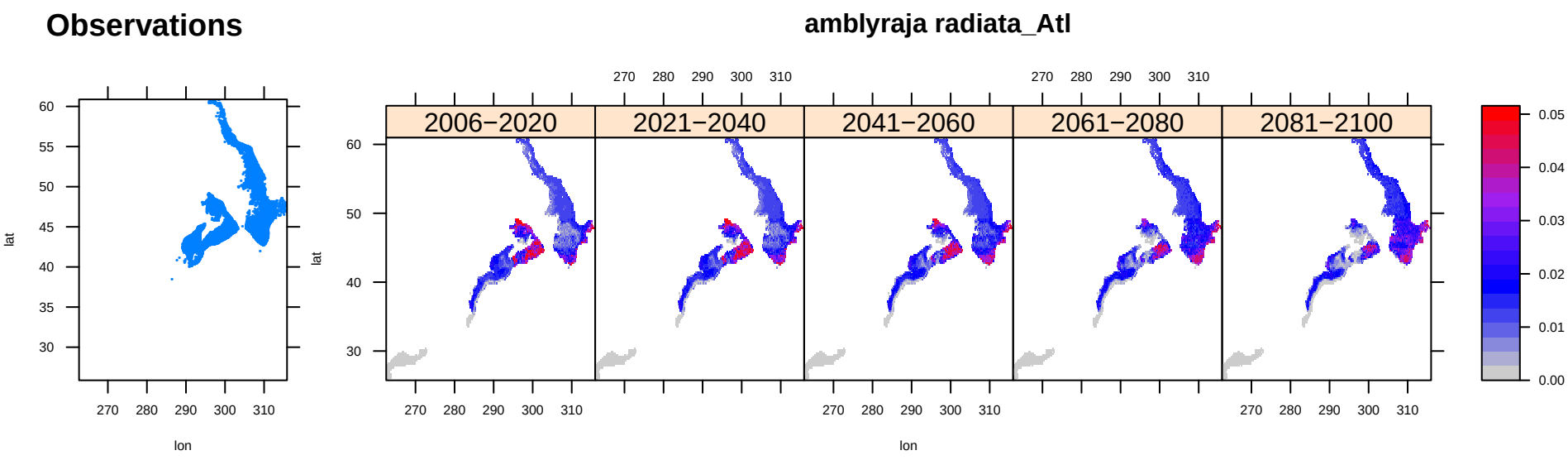
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amblyraja radiata_Atl
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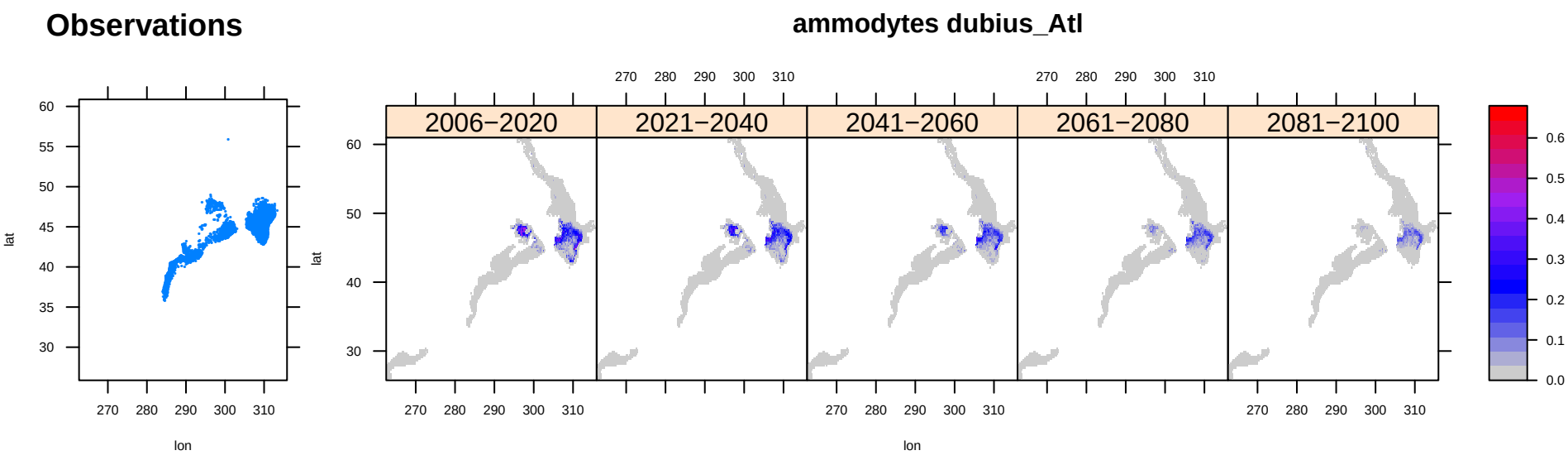
Observations
ammodytes dubius_Atl
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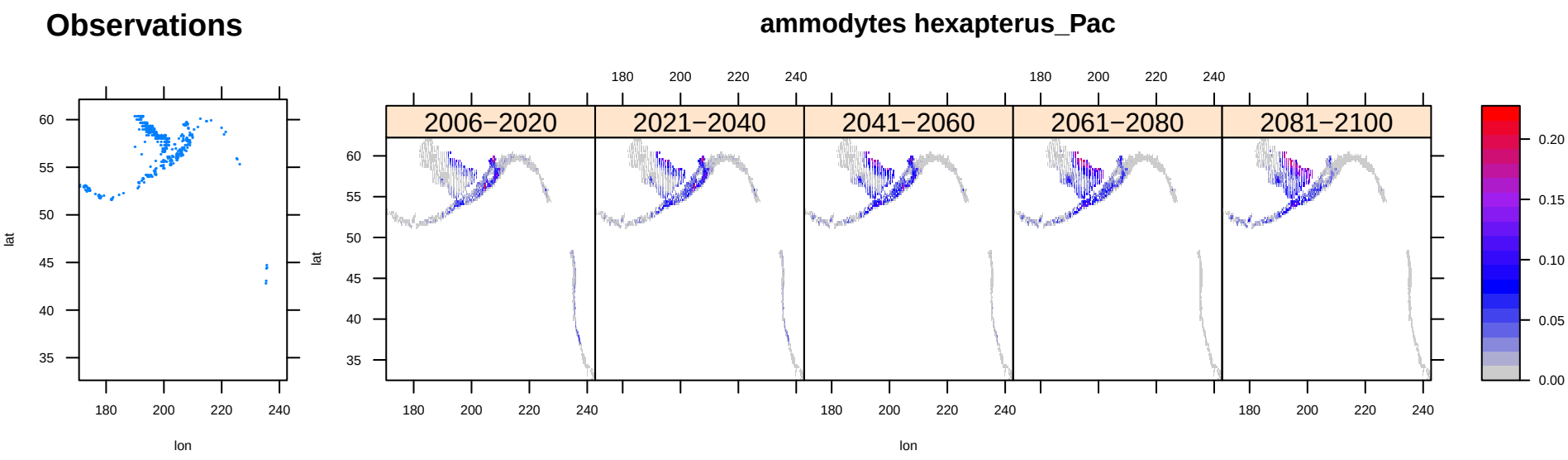
Observations
ammodytes hexapterus_Pac
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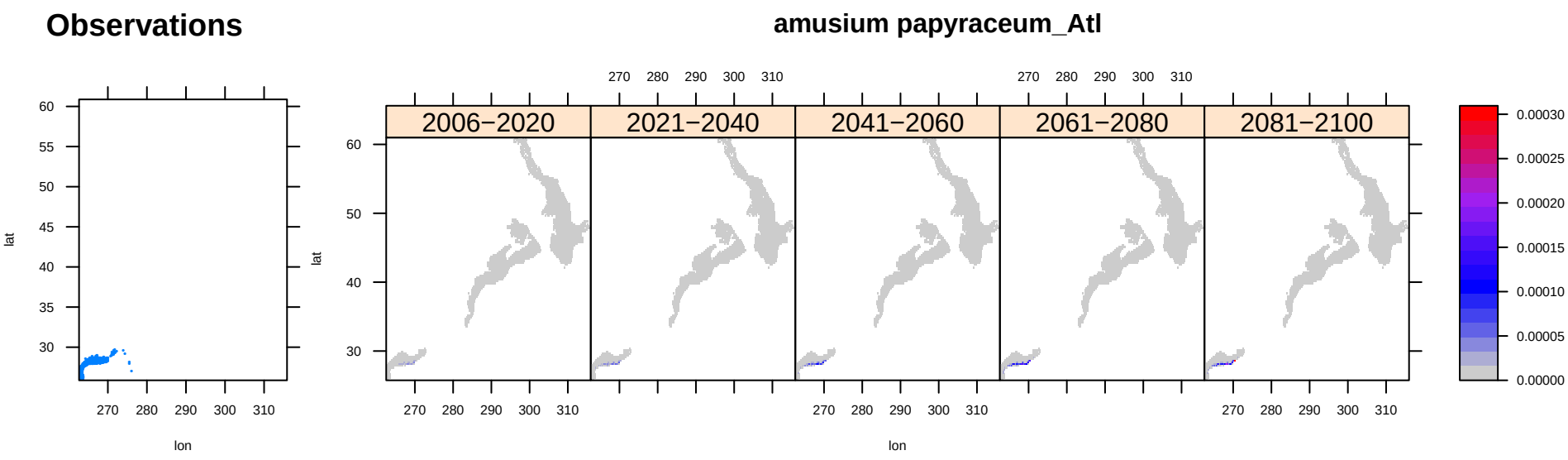
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amusium papyraceum_Atl
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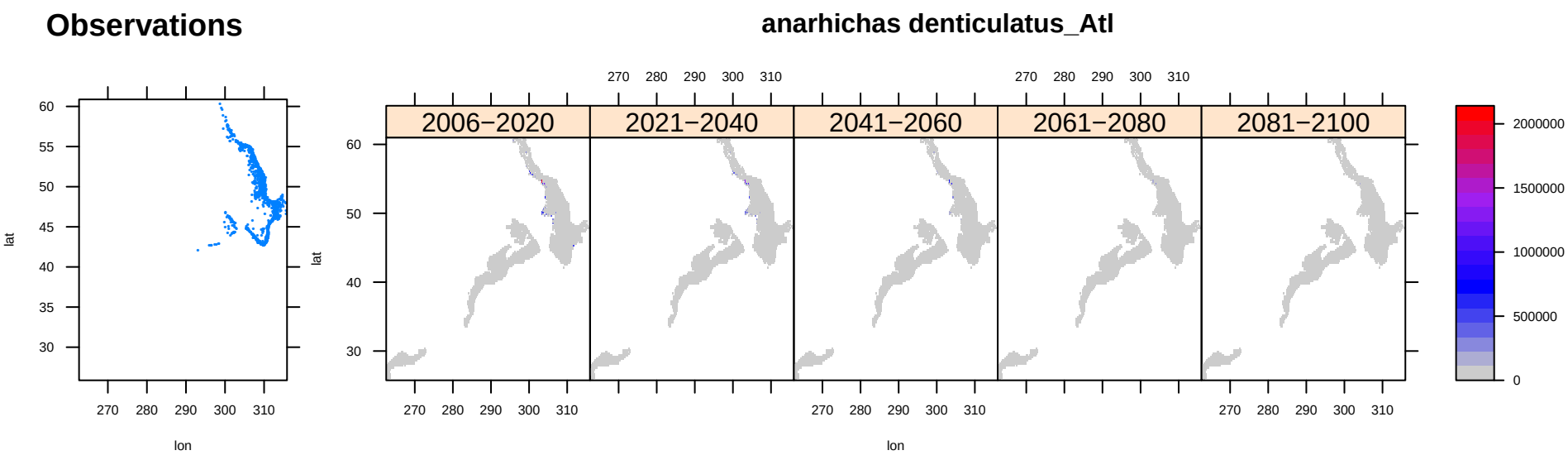
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anarhichas denticulatus_Atl
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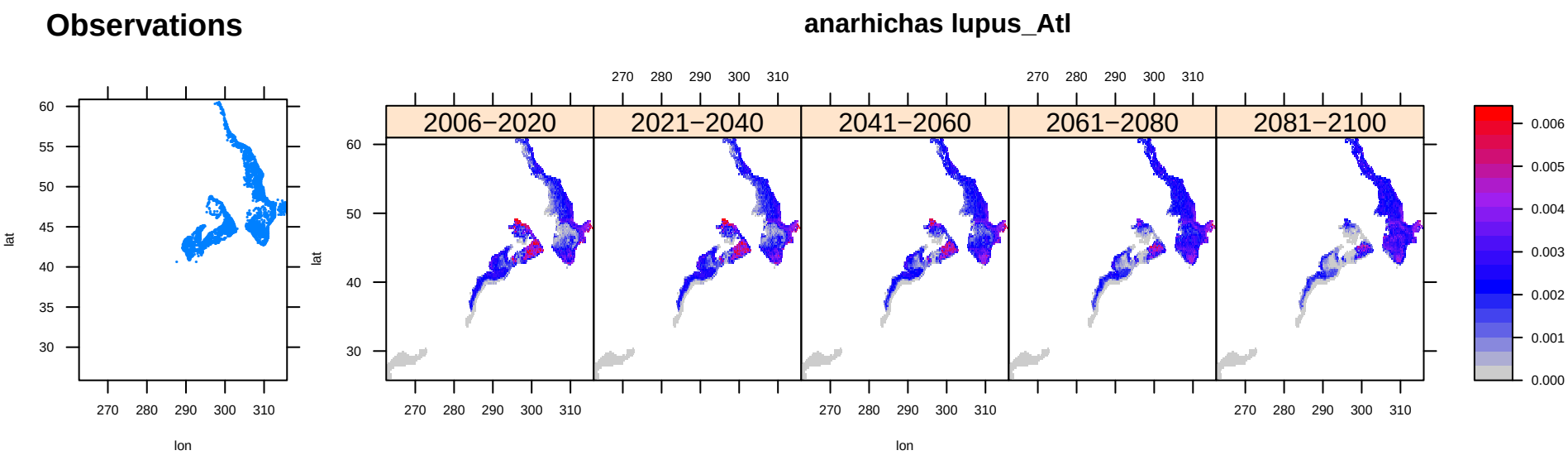
Observations
anarhichas lupus_Atl
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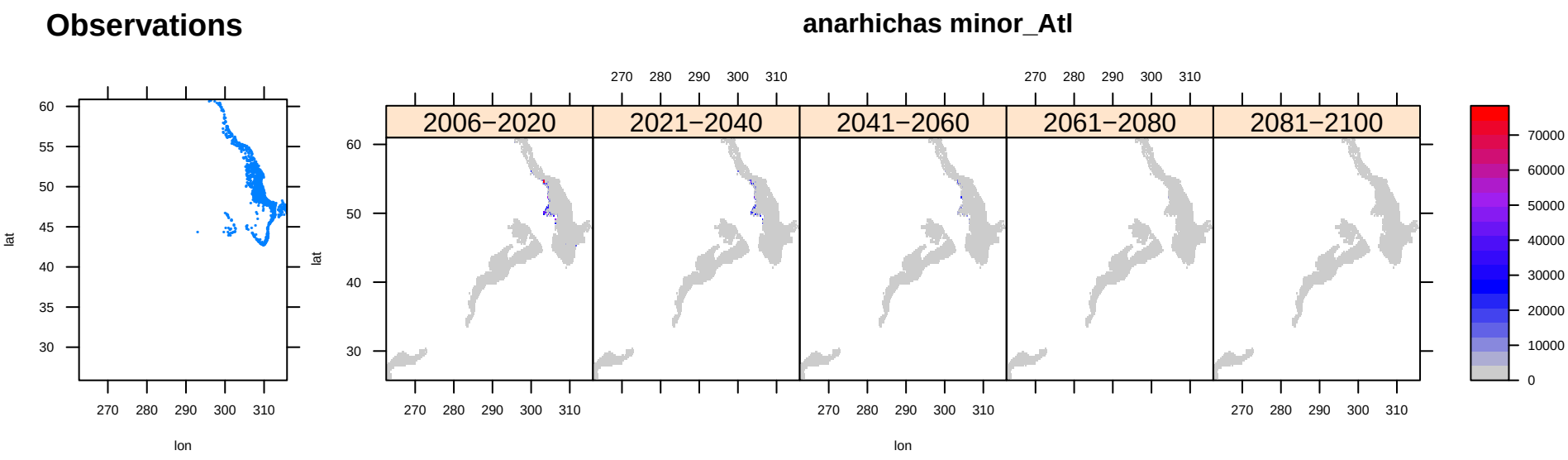
Observations
anarhichas minor_Atl
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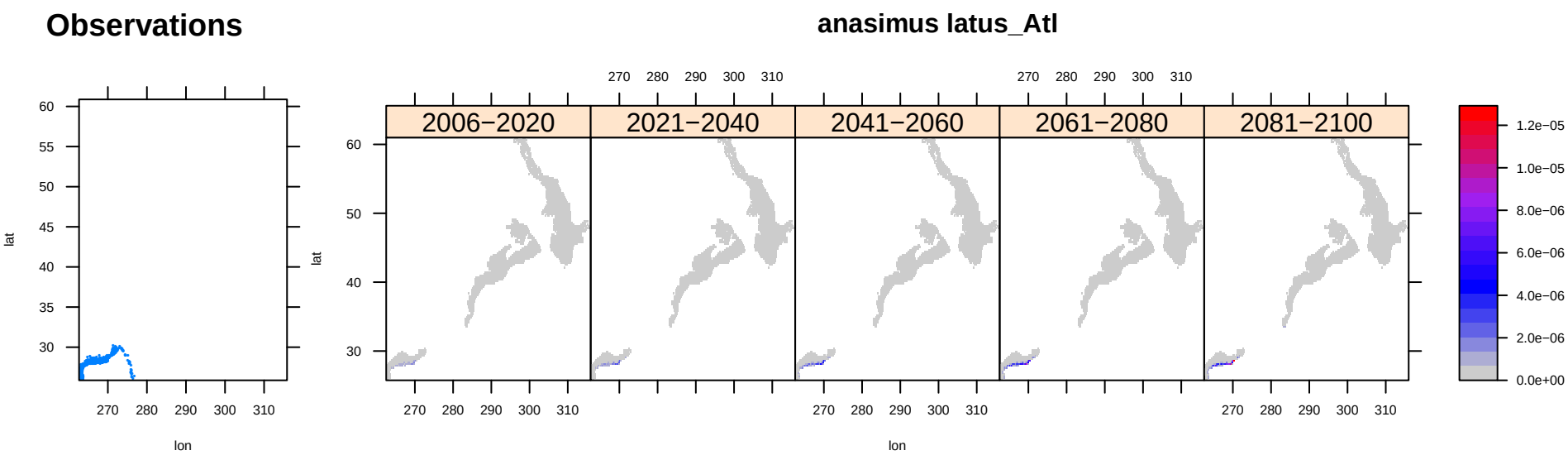
Observations
anasimus latus_Atl
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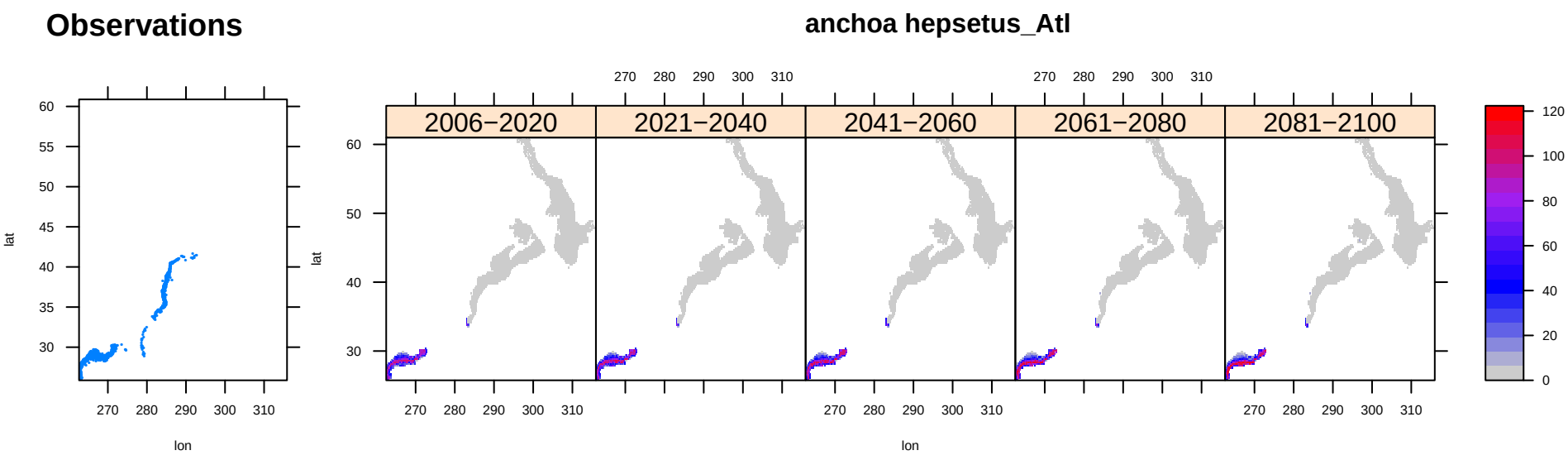
Observations
anchoa hepsetus_Atl
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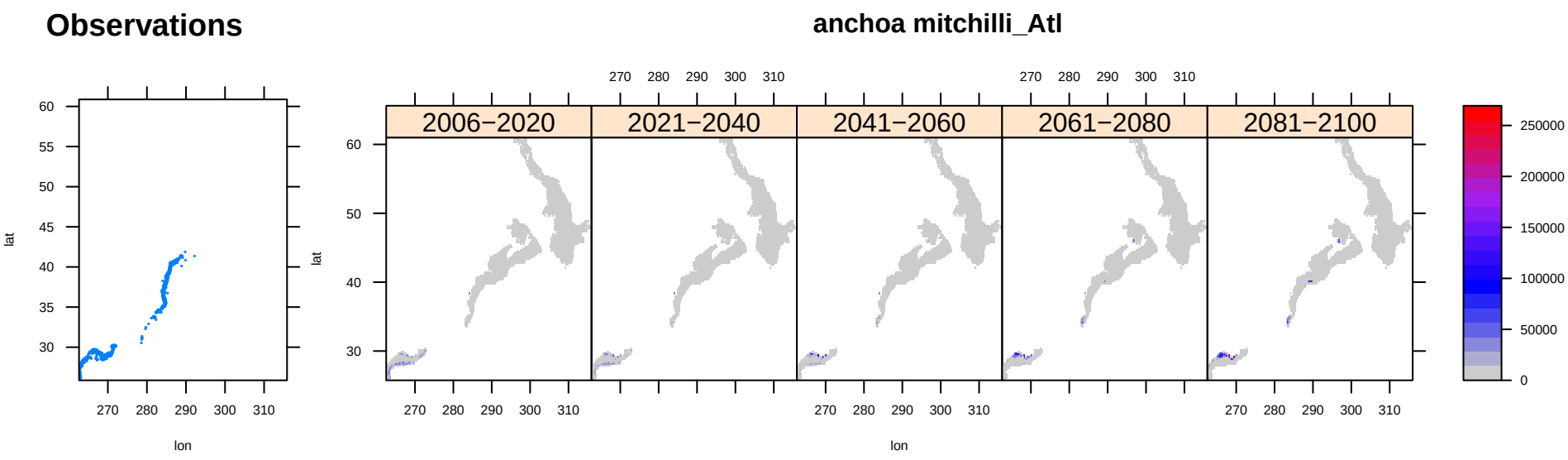
Observations
anchoa mitchilli_Atl
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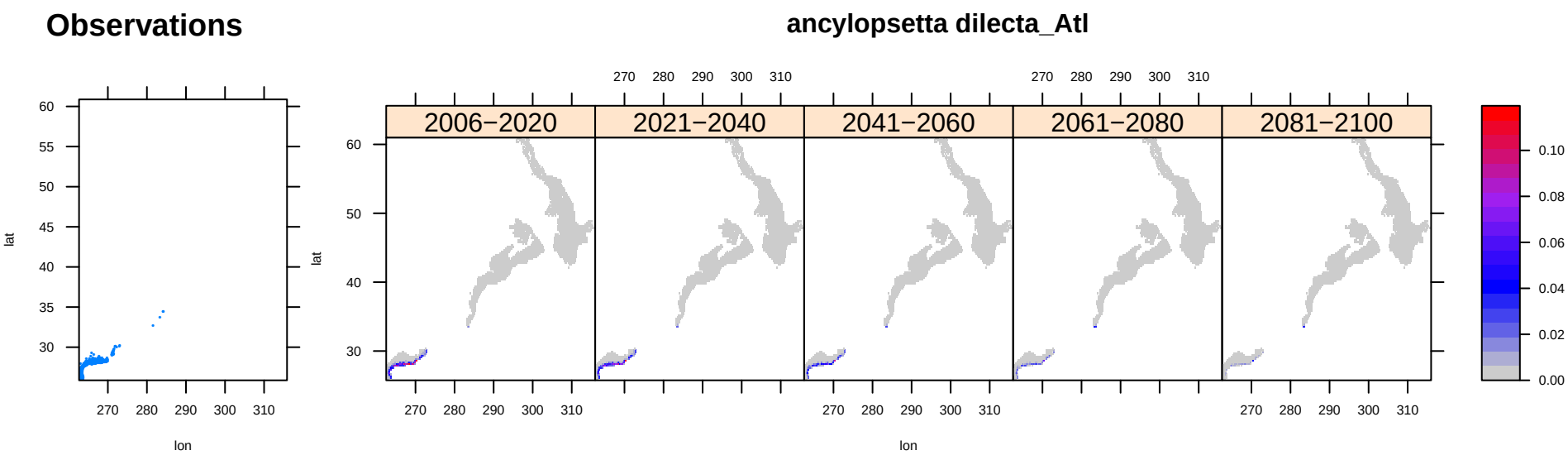
Observations
ancylopsetta dilecta_Atl
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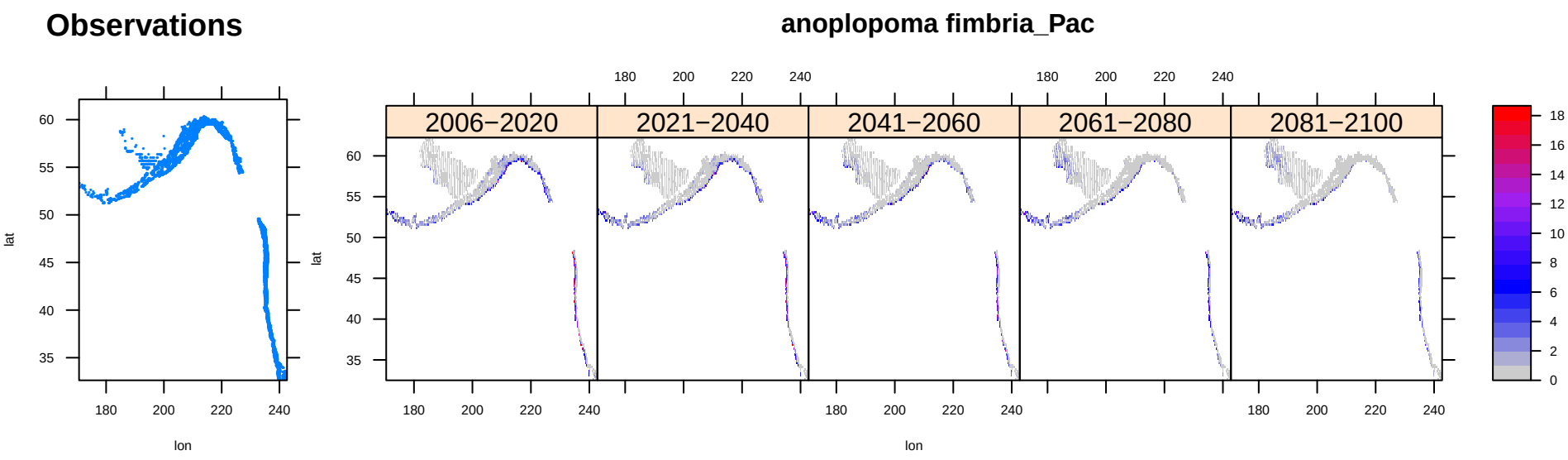
Observations
anoplopoma fimbria_Pac
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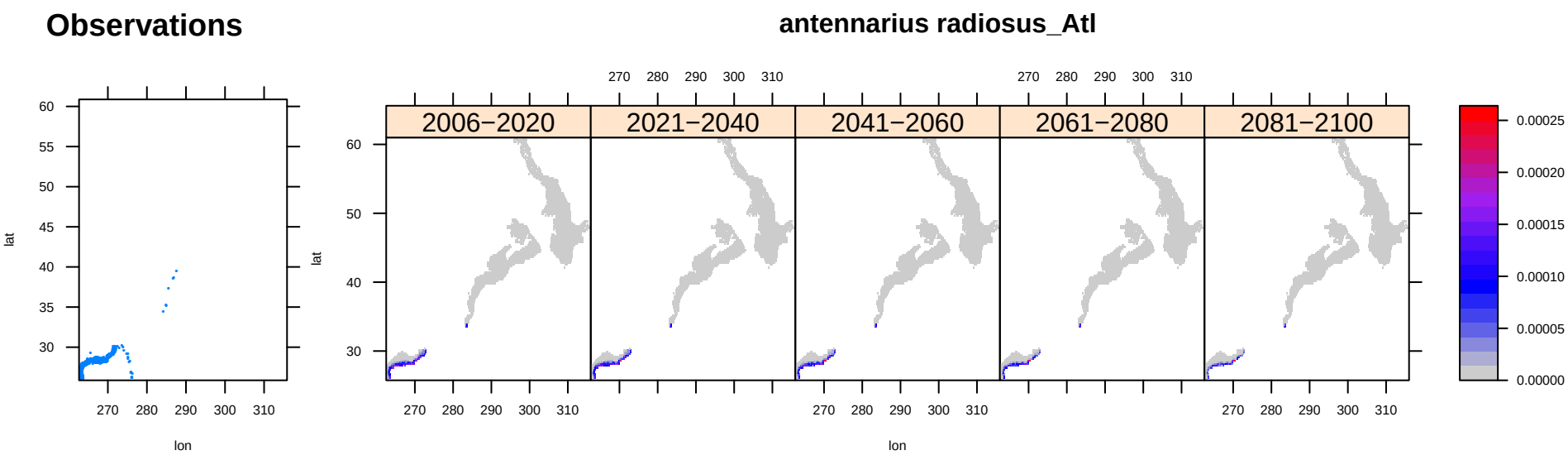
Observations
antennarius radiosus_Atl
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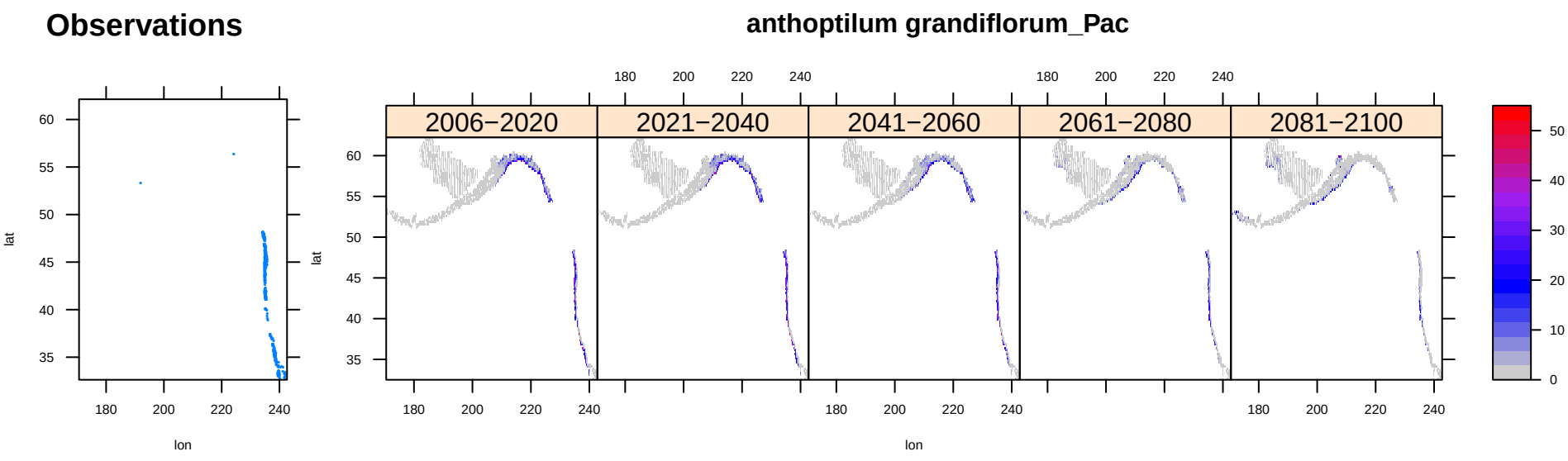
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anthoptilum grandiflorum_Pac
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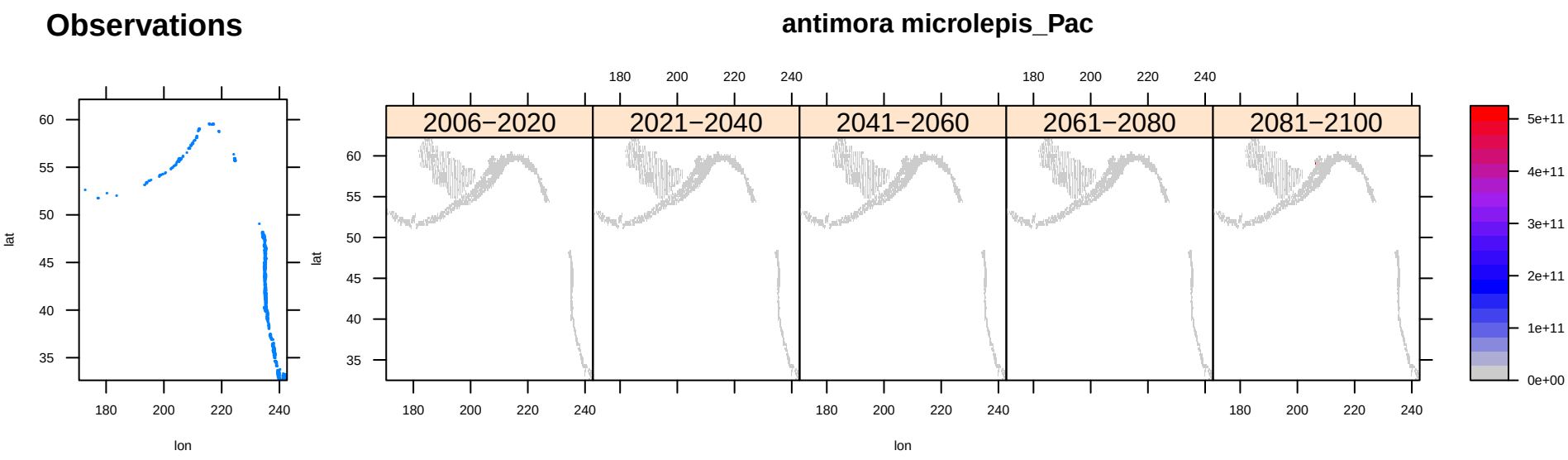
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antimora microlepis_Pac
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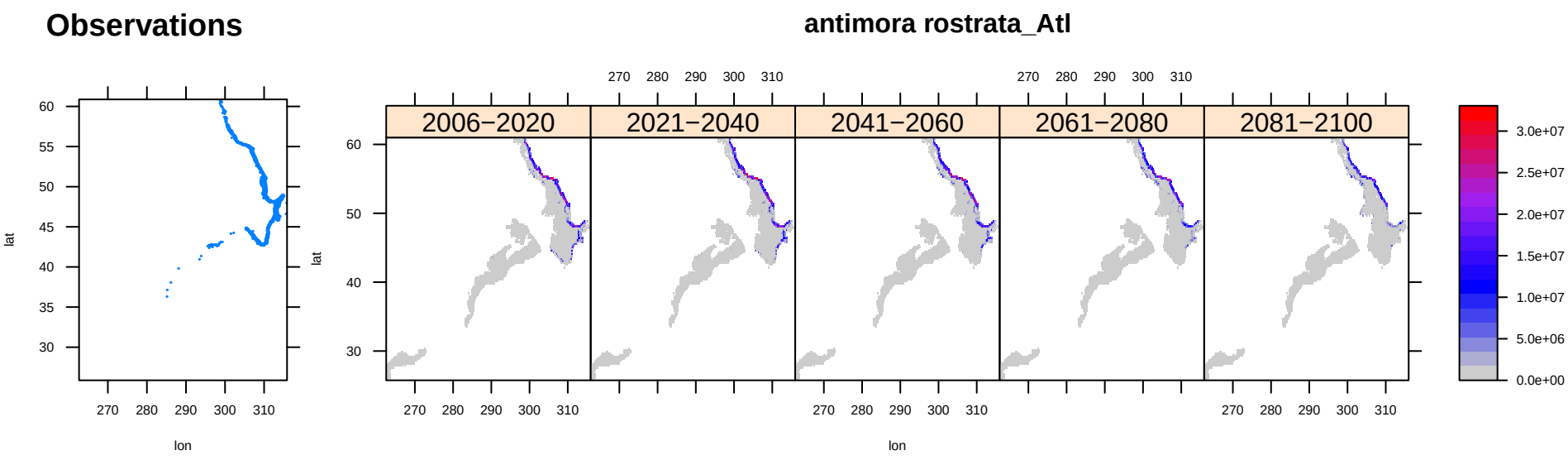
Observations
antimora rostrata_Atl
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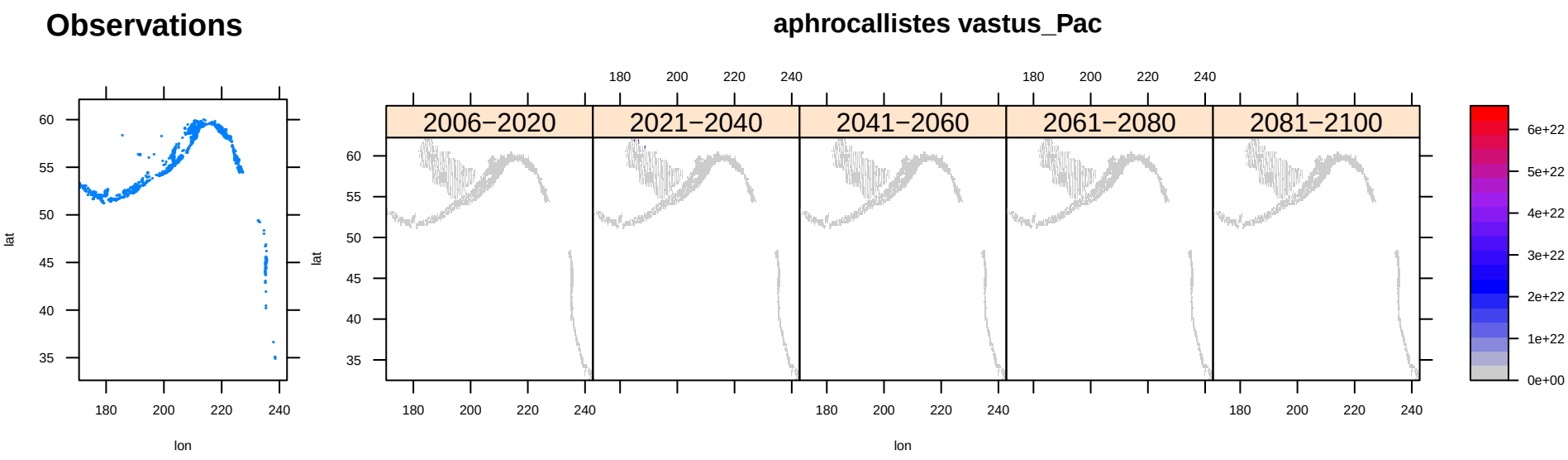
Observations
aphrocallistes vastus_Pac
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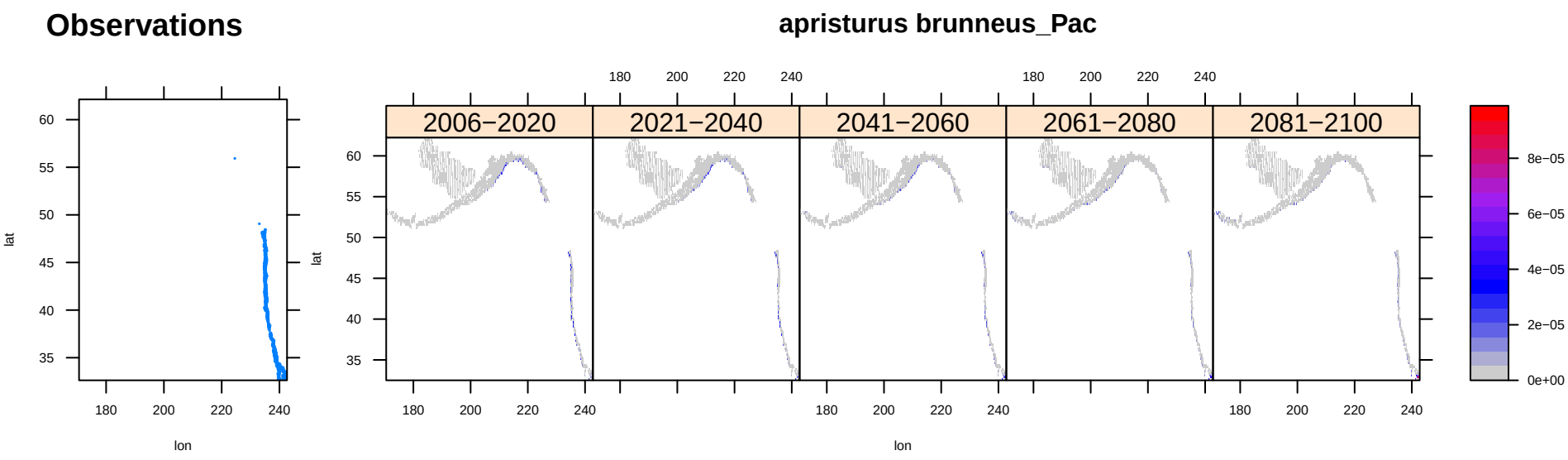
Observations
apristurus brunneus_Pac
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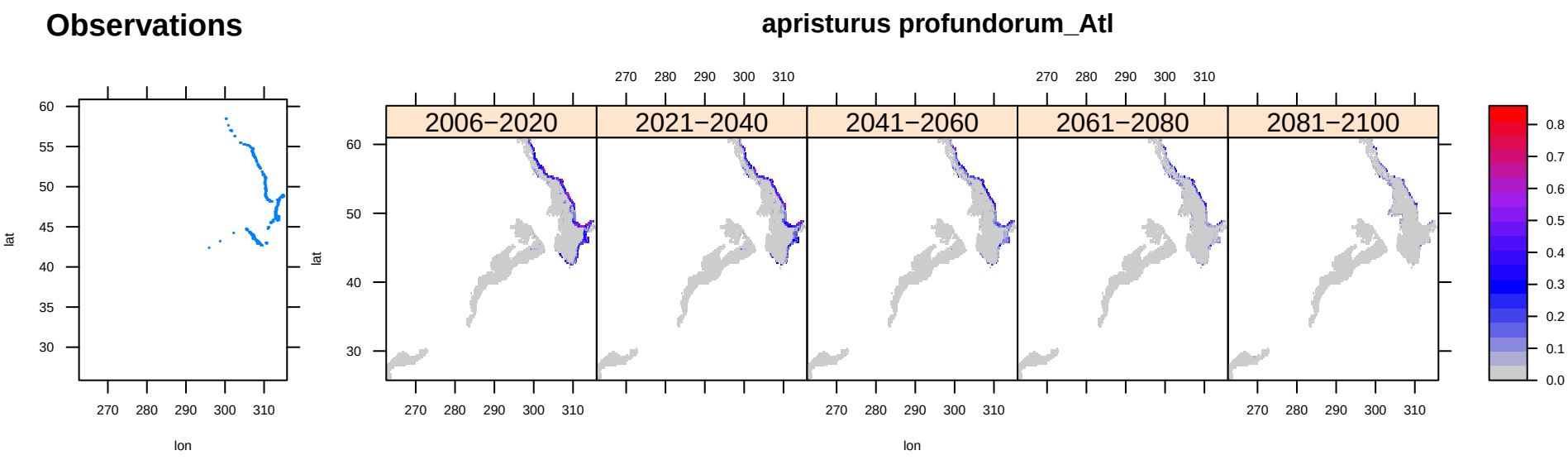
Observations
apristurus profundorum_Atl
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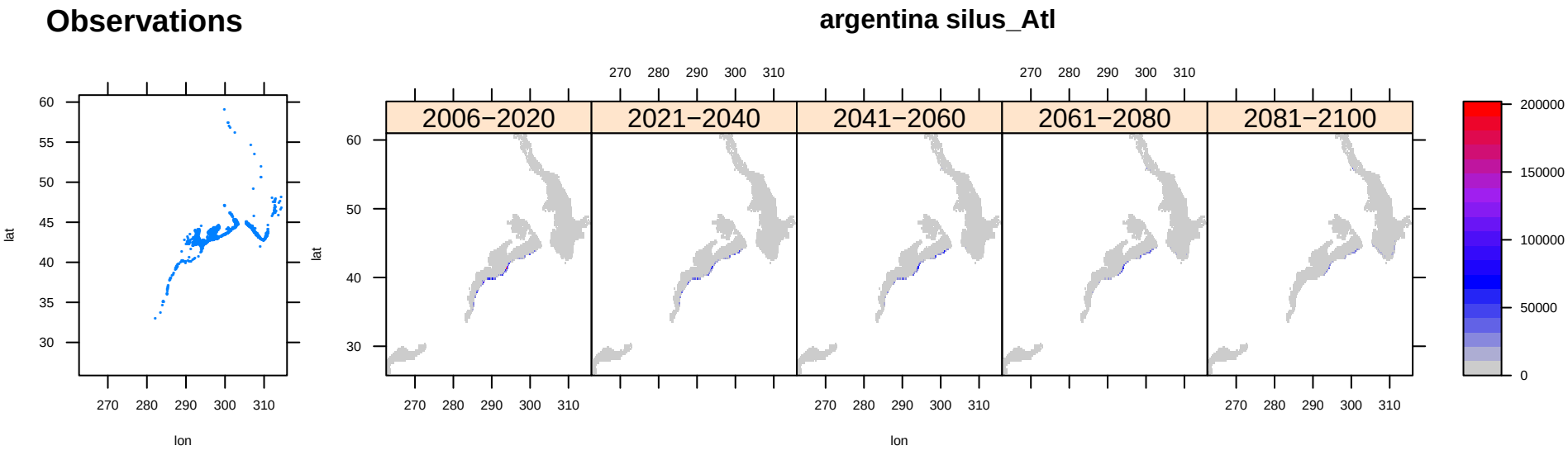
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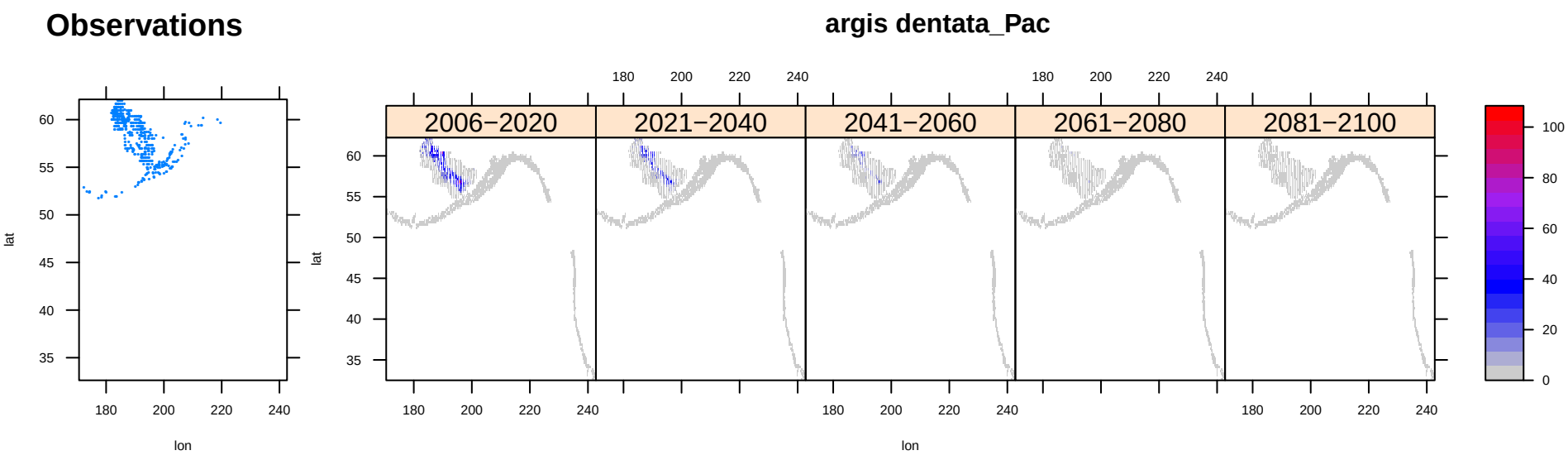
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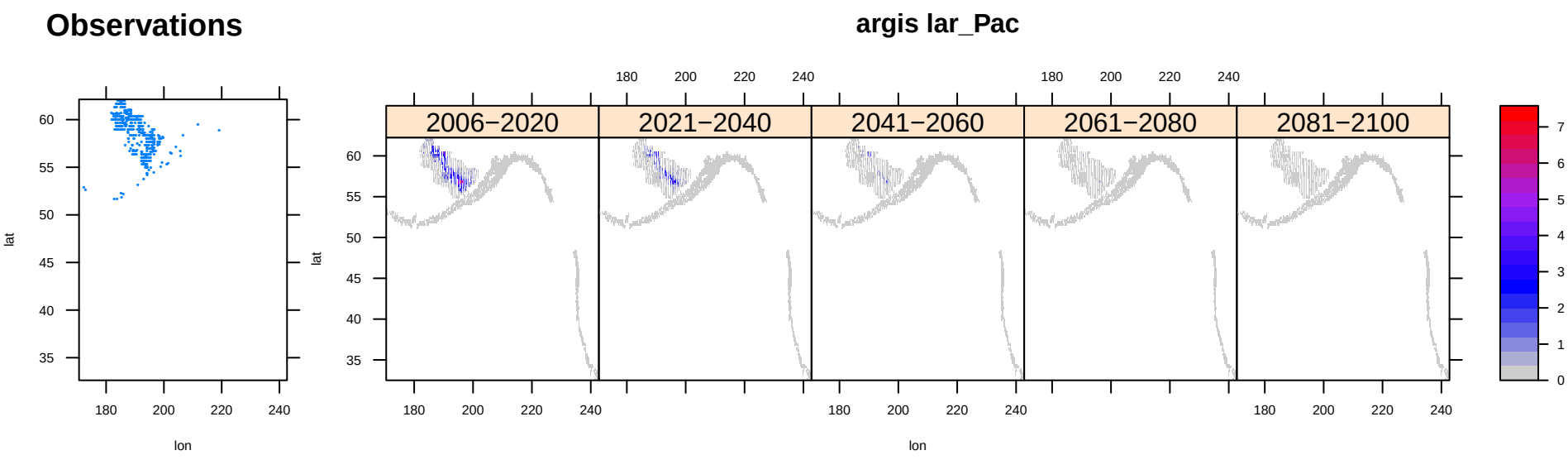
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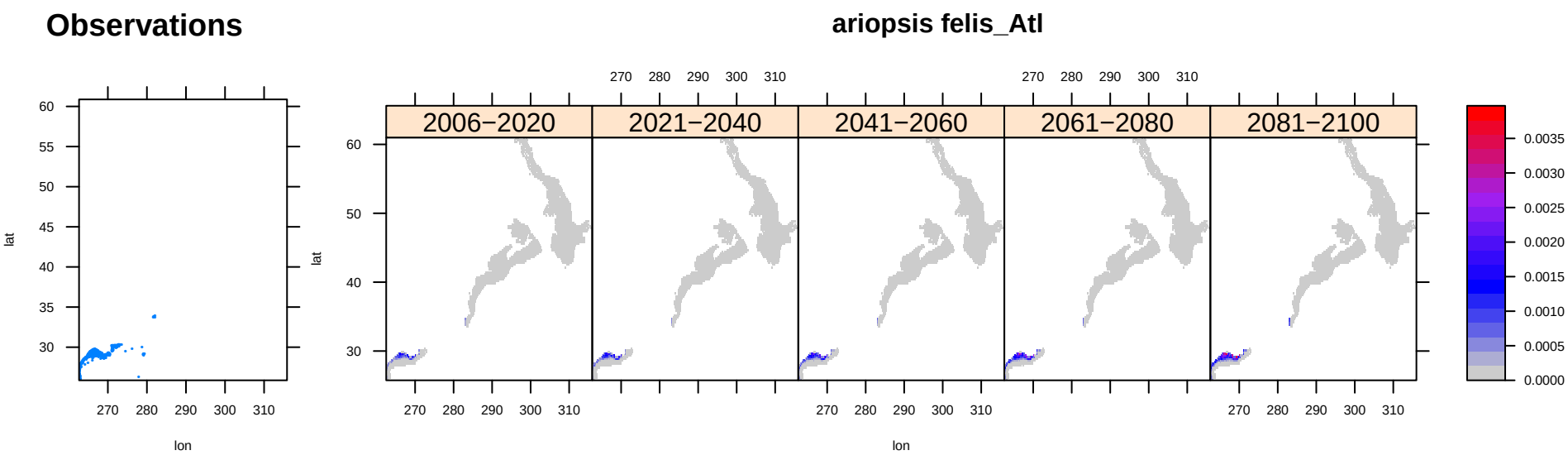
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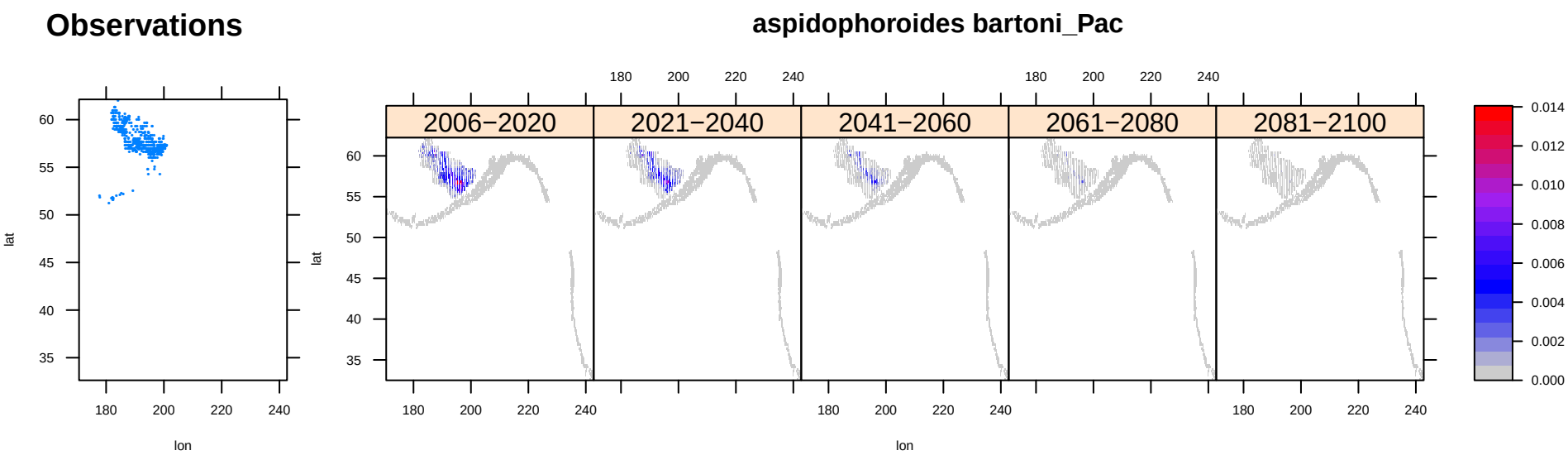
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aspidophoroides bartoni_Pac
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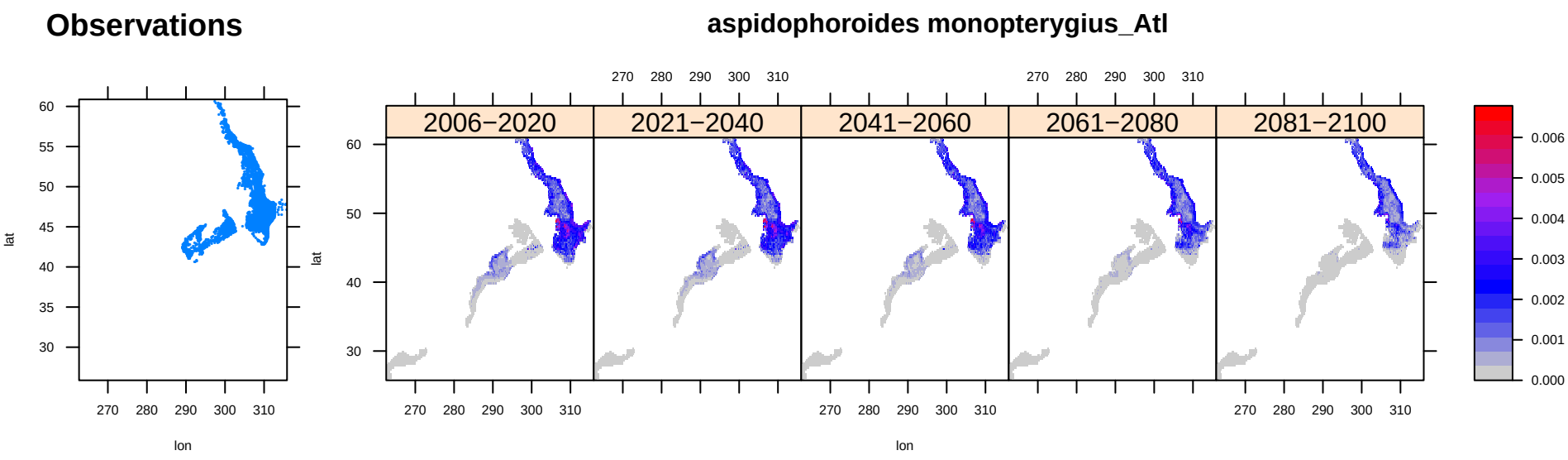
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aspidophoroides monopterygius_Atl
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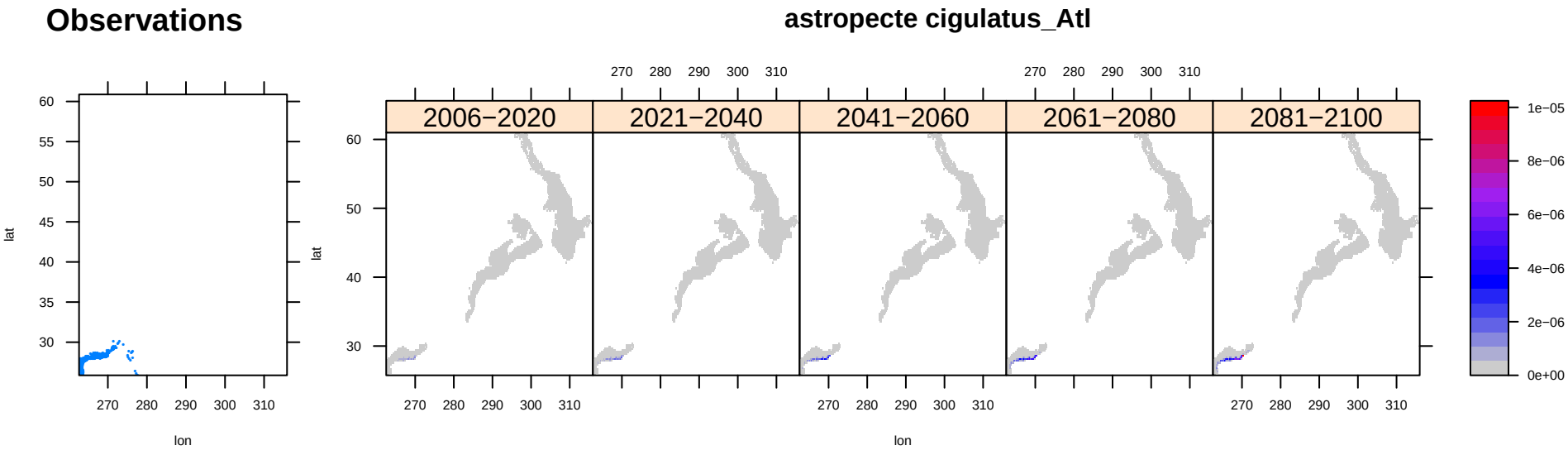
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astropecte cigulatus_Atl
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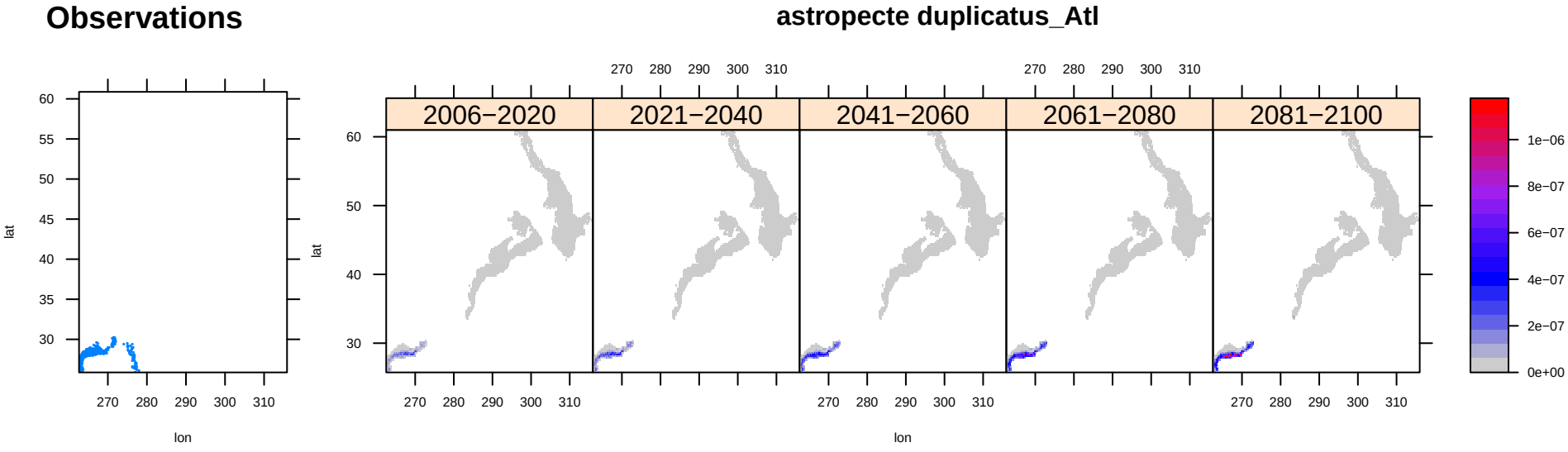
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astropecte duplicatus_Atl
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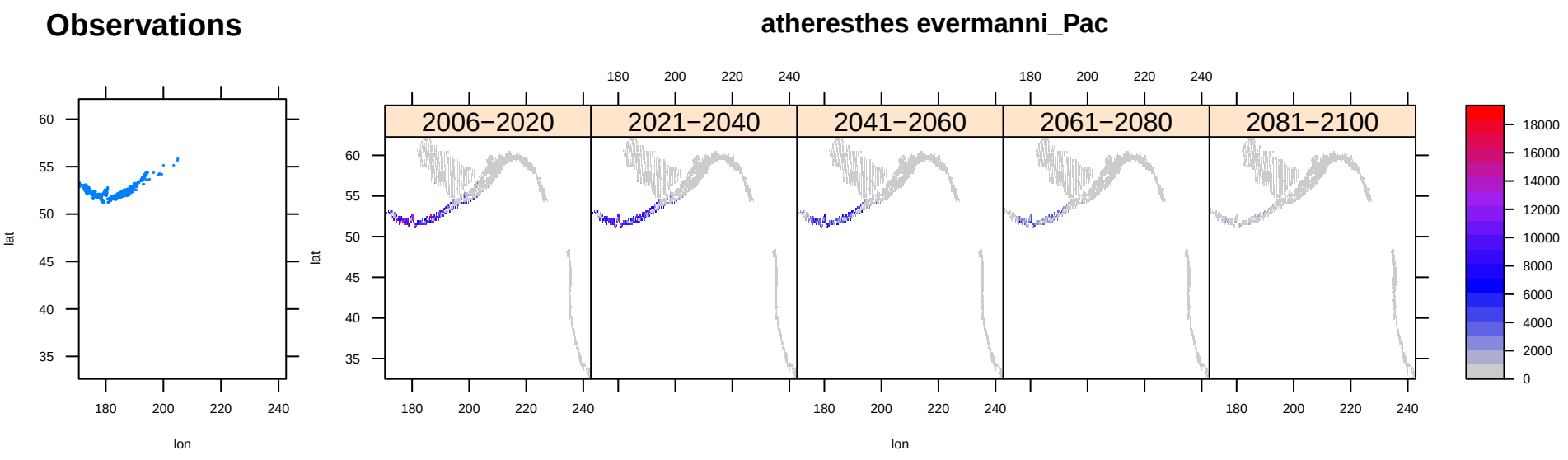
Observations
atheresthes evermanni_Pac
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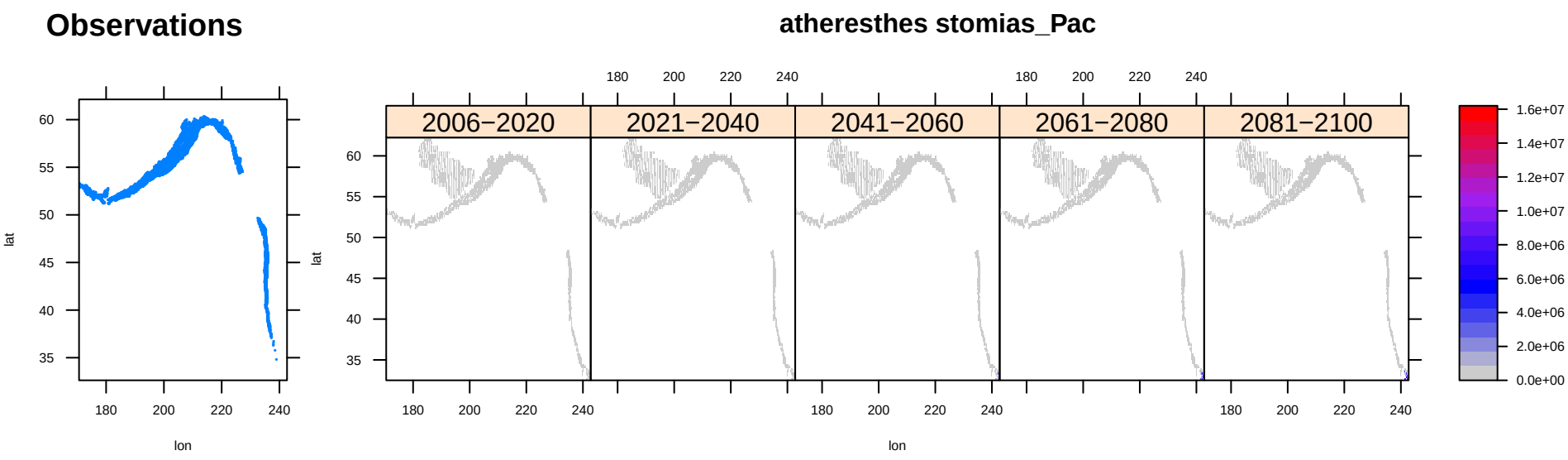
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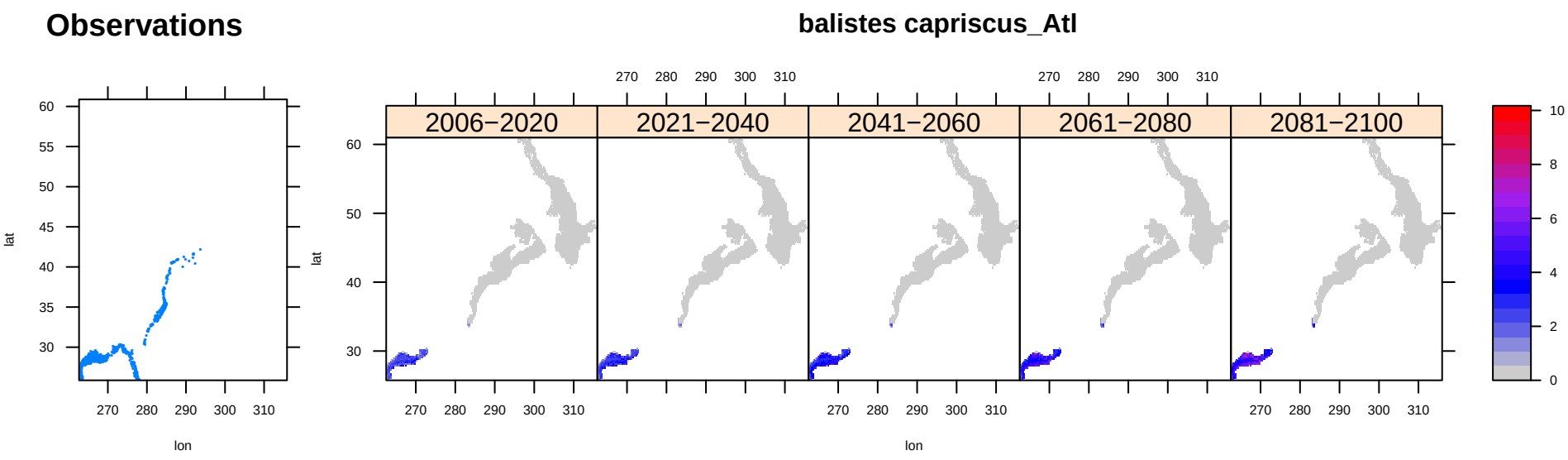
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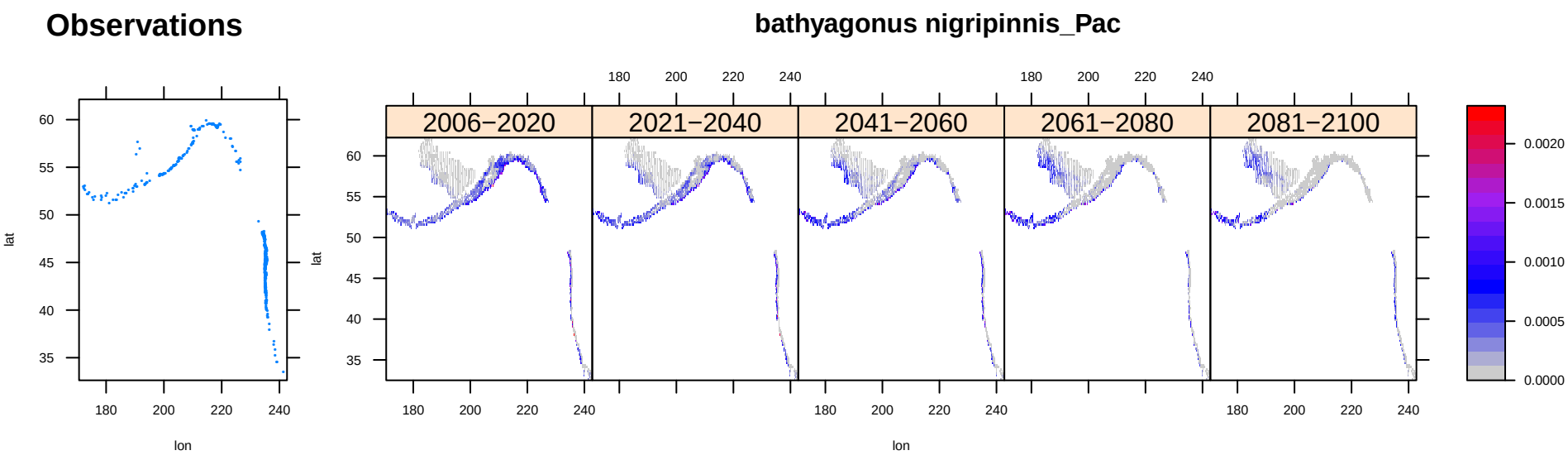
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bathyagonus nigripinnis_Pac
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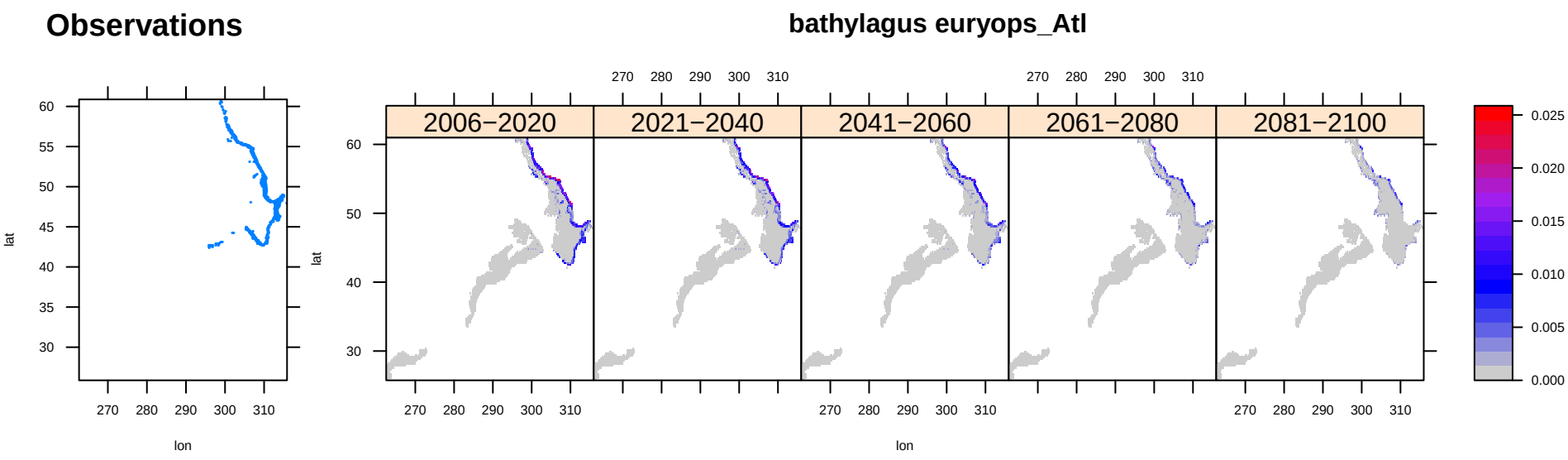
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bathylagus euryops_Atl
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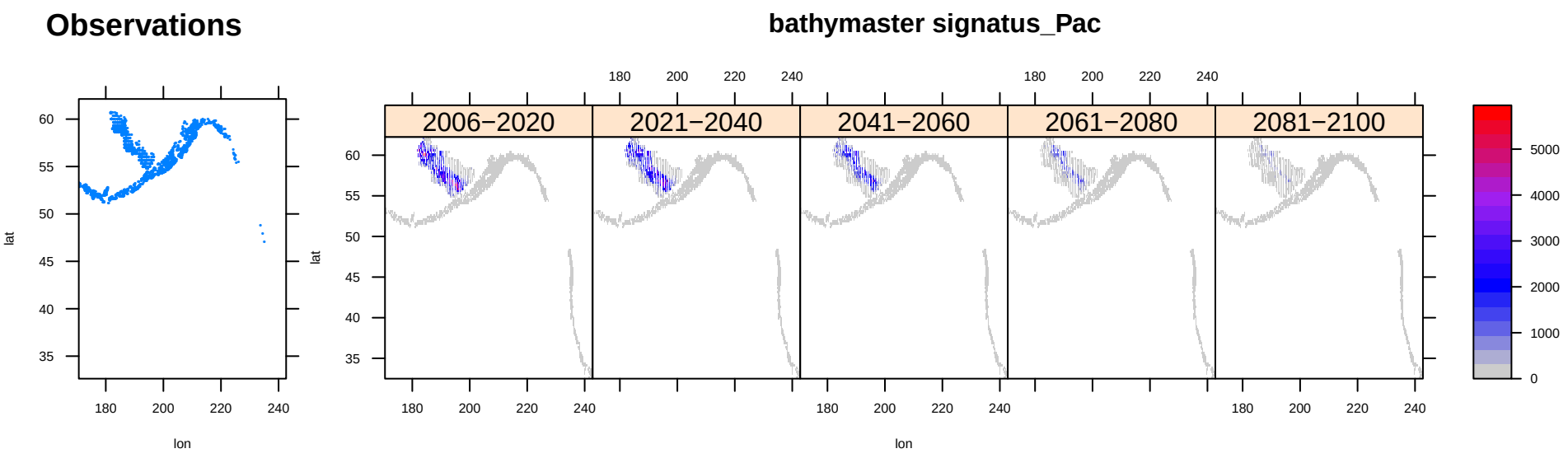
Observations
bathymaster signatus_Pac
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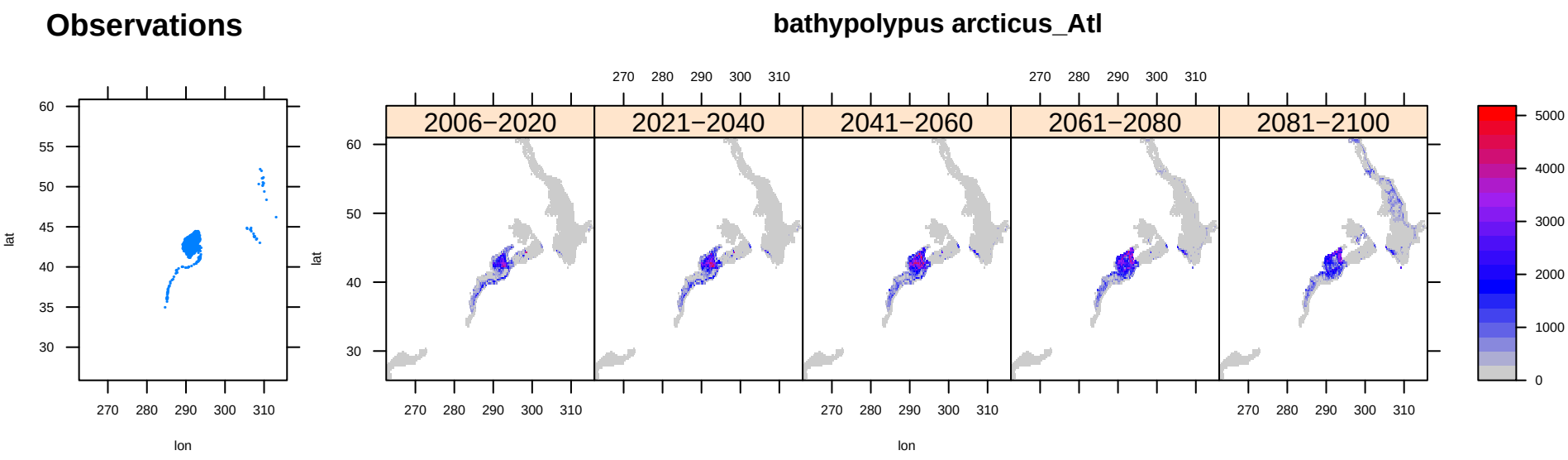
Observations
bathypolypus arcticus_Atl
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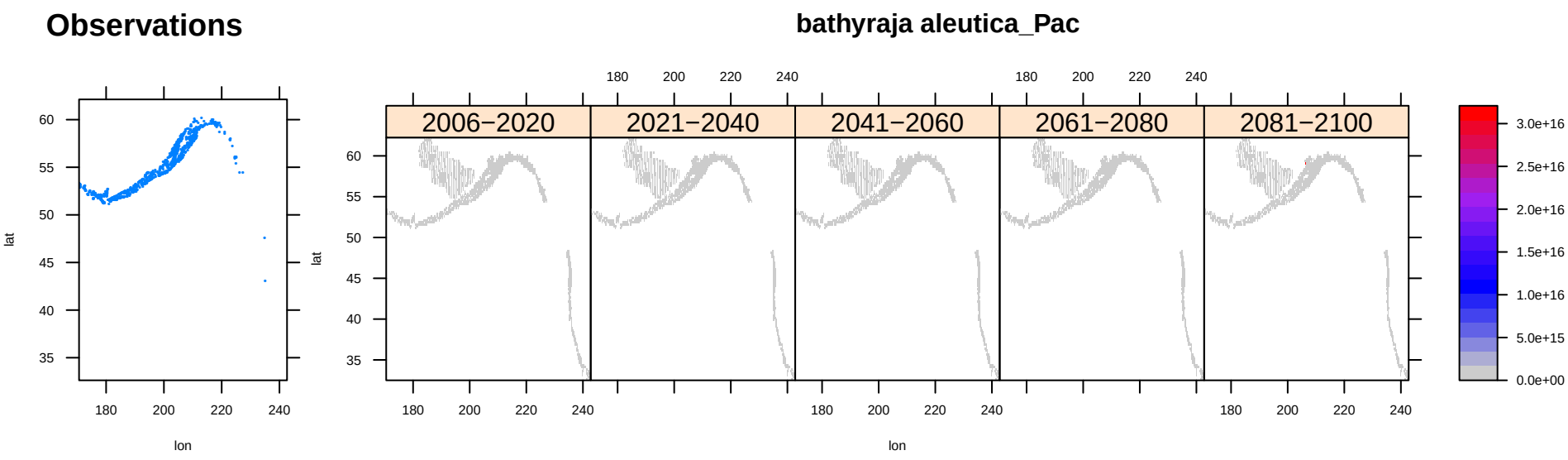
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bathyraja aleutica_Pac
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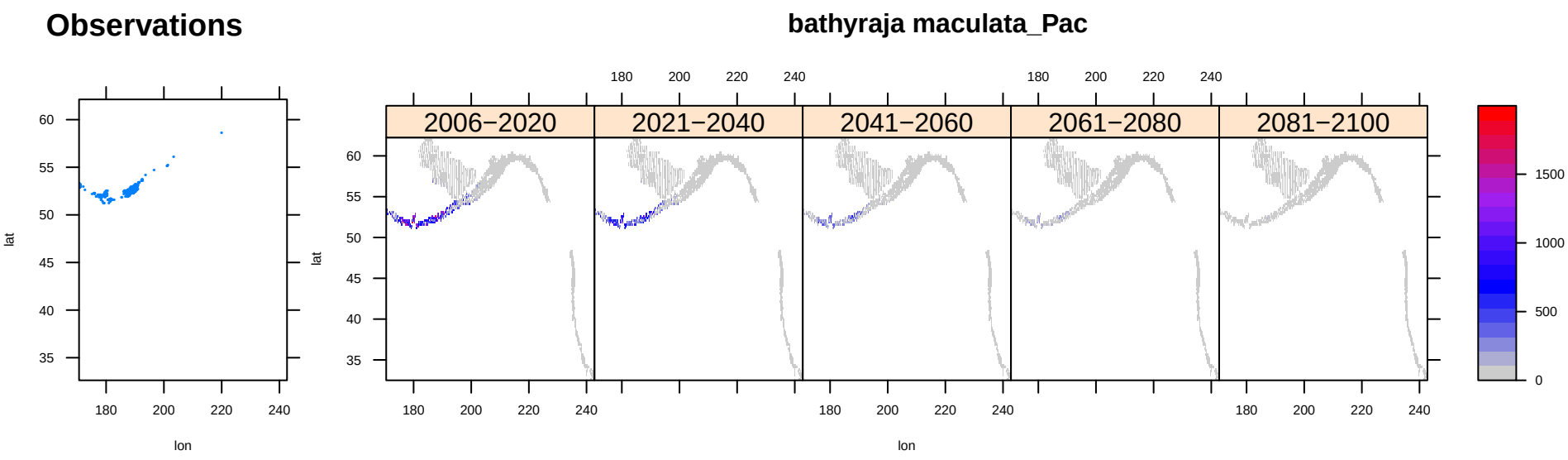
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bathyraja maculata_Pac
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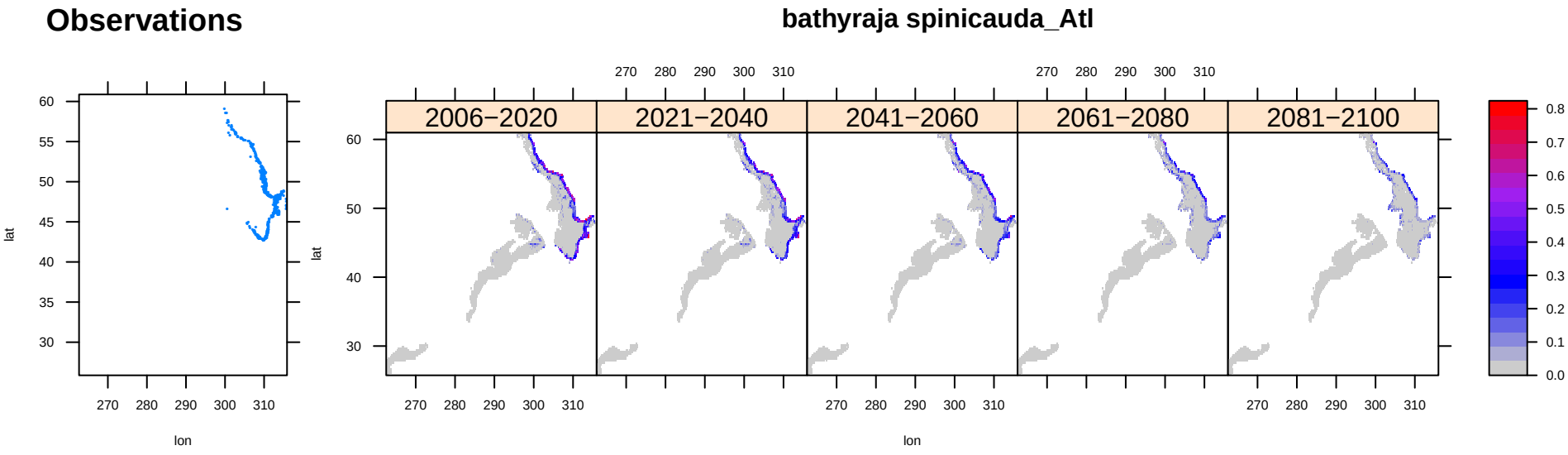
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bathyraja spinicauda_Atl
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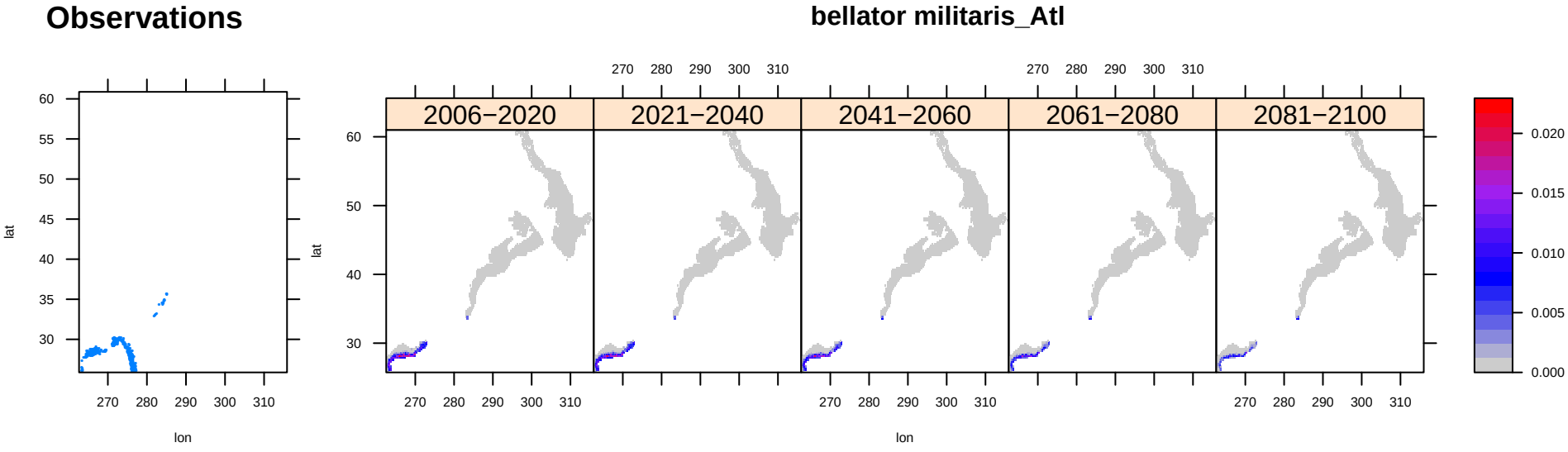
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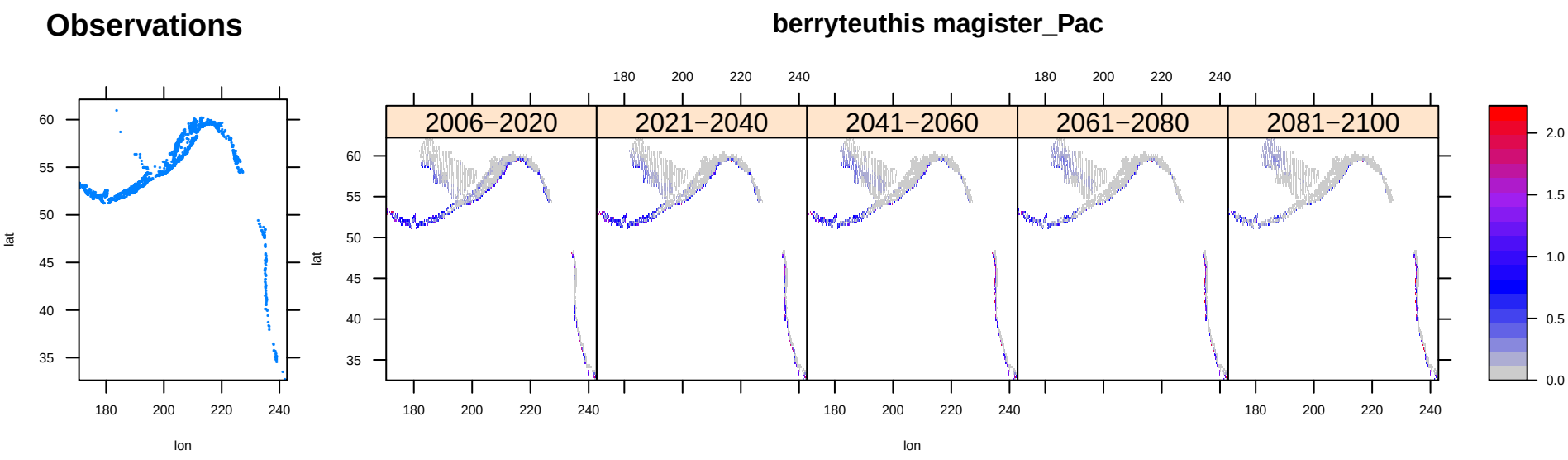
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berryteuthis magister_Pac
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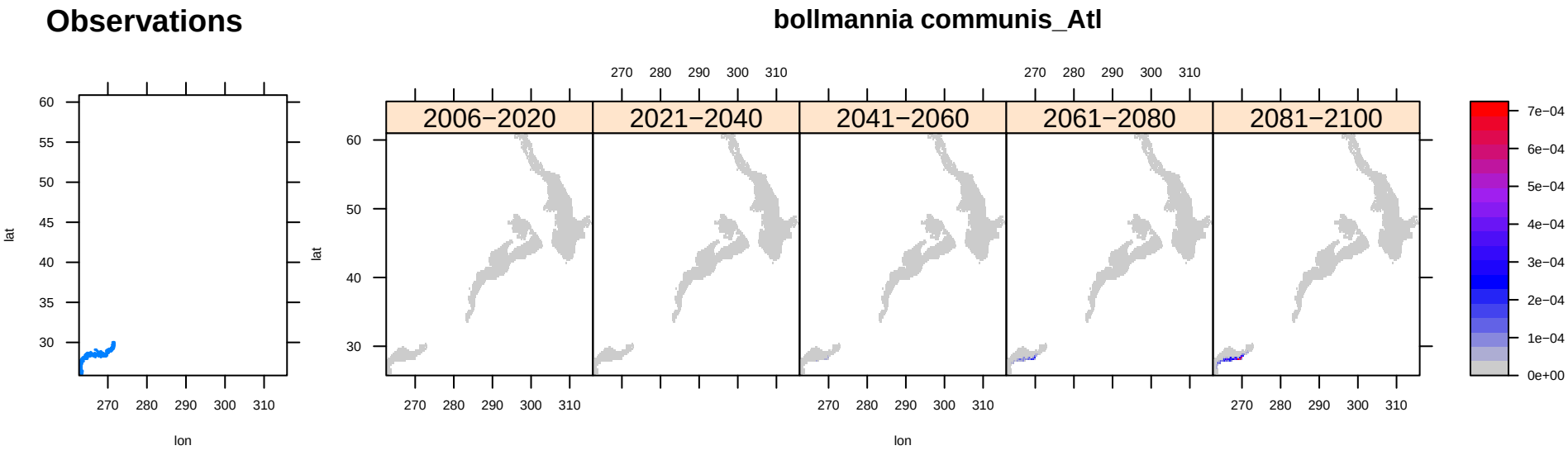
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bollmannia communis_Atl
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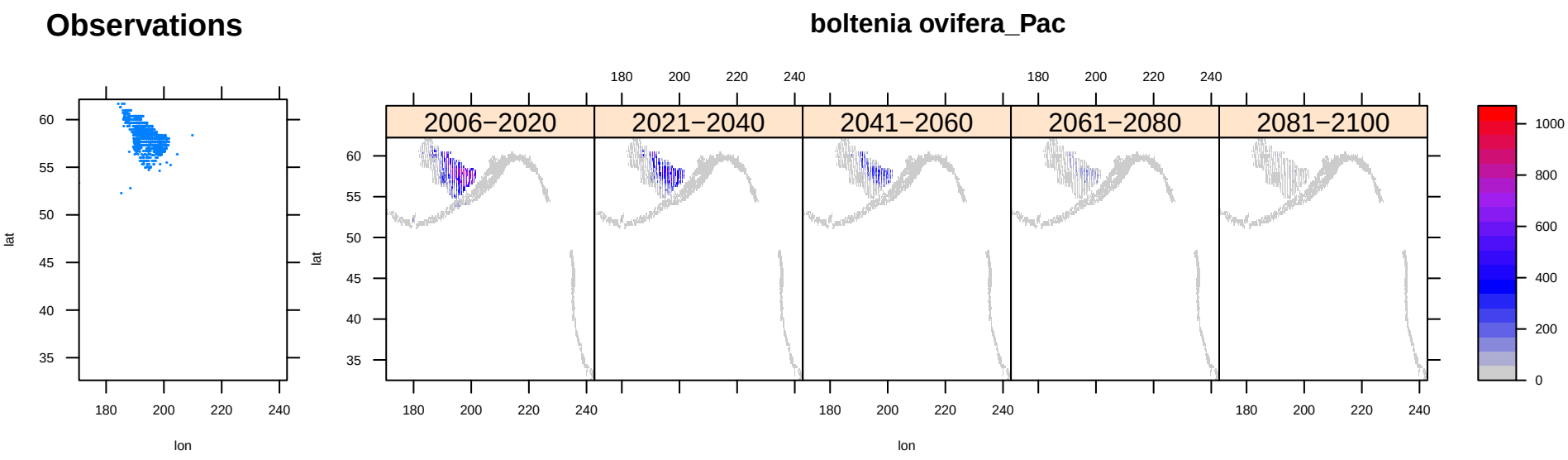
Observations
boltenia ovifera_Pac
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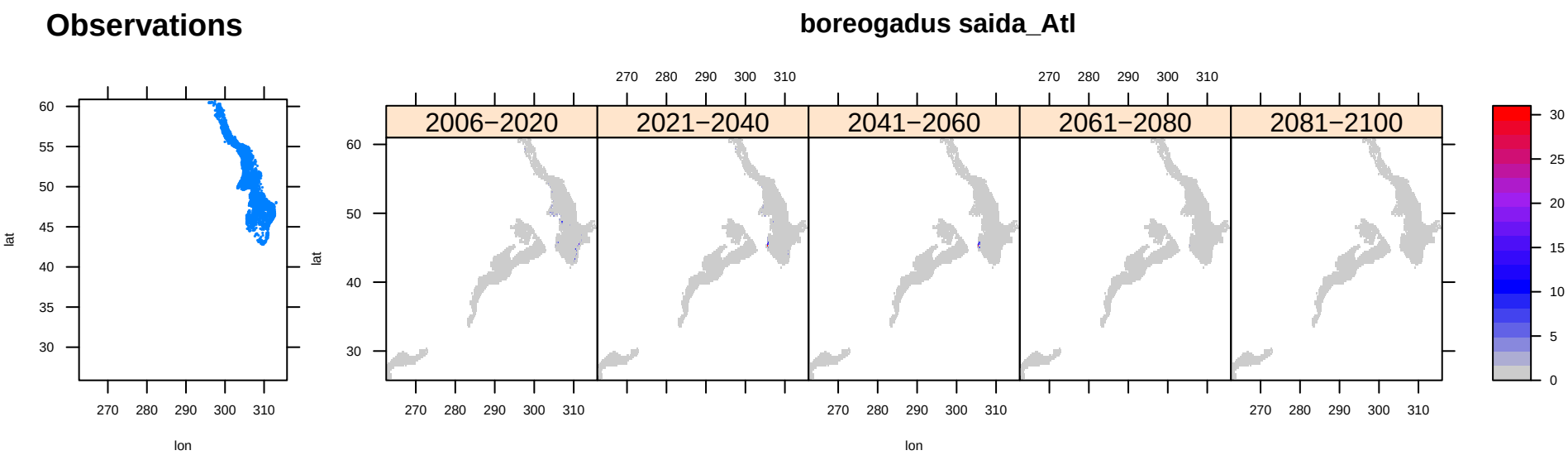
Observations
boreogadus saida_Atl
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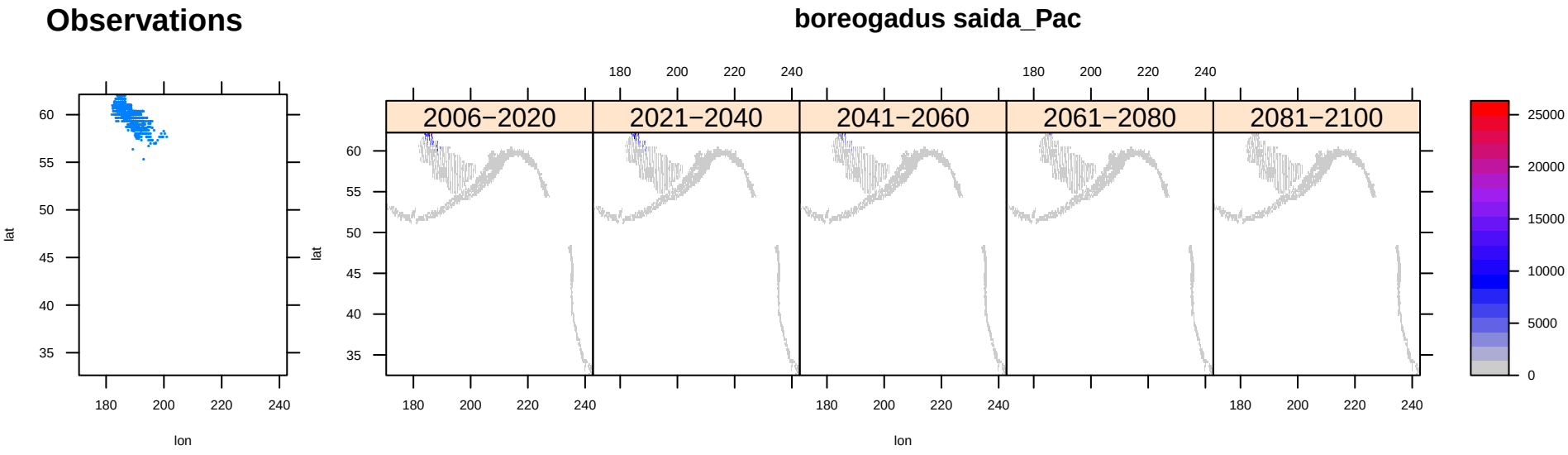
Observations
boreogadus saida_Pac
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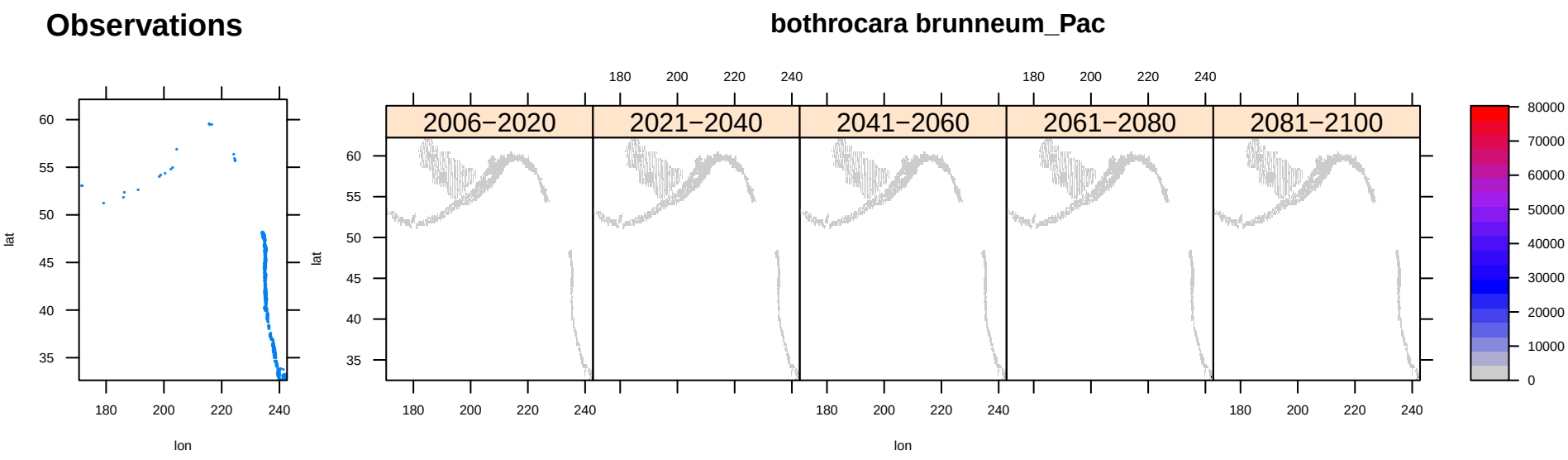
Observations
bothrocara brunneum_Pac
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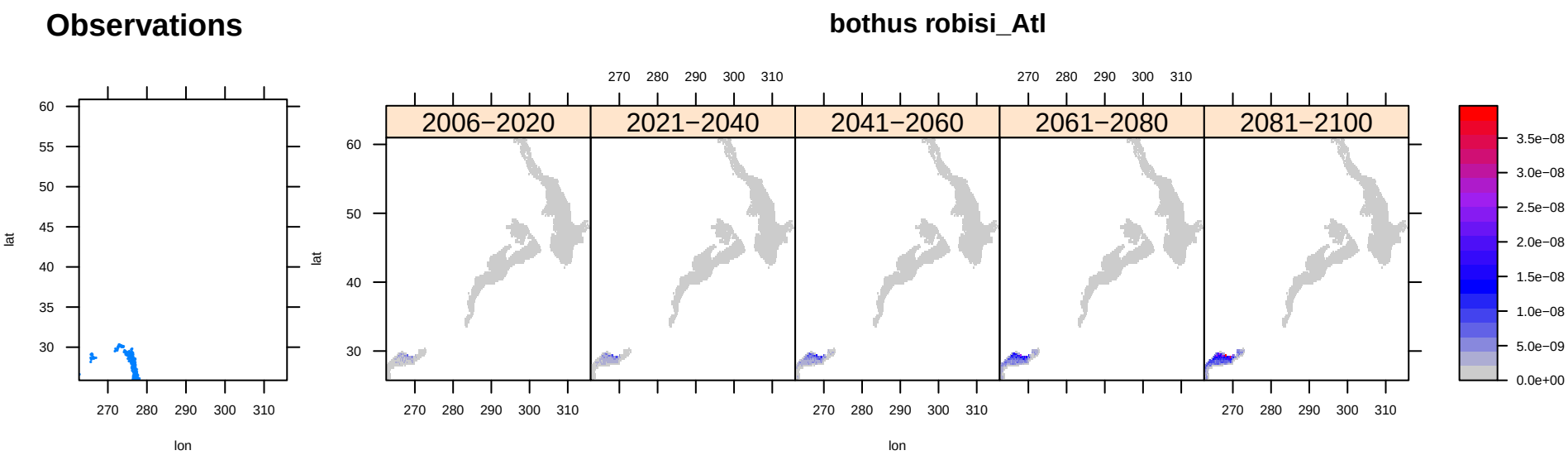
Observations
bothus robisi_Atl
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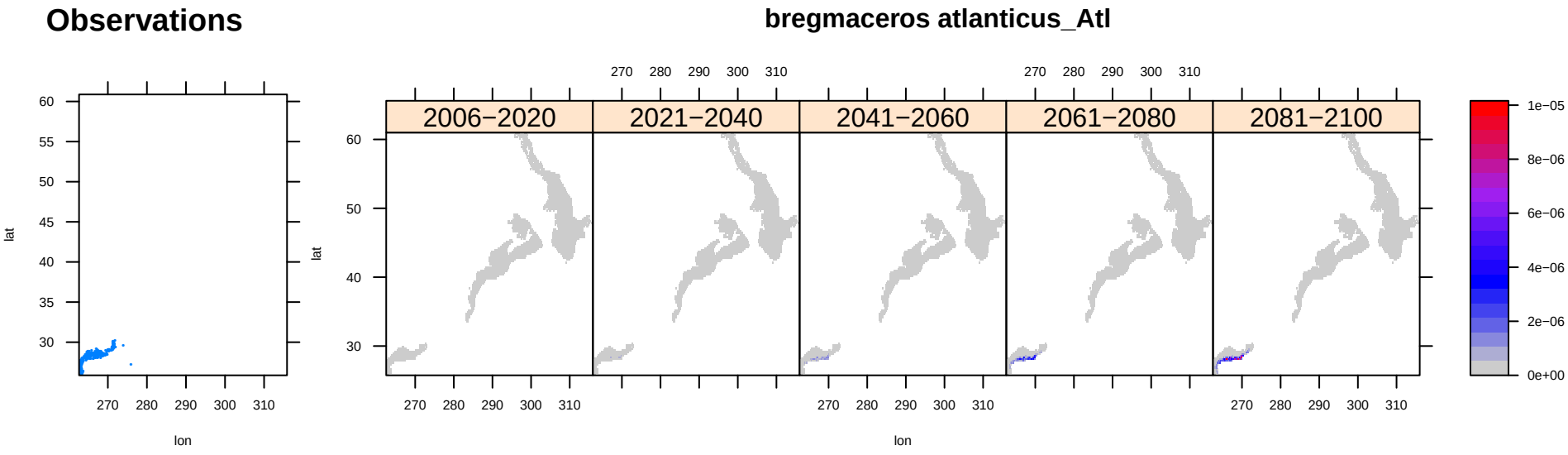
Observations
bregmaceros atlanticus_Atl
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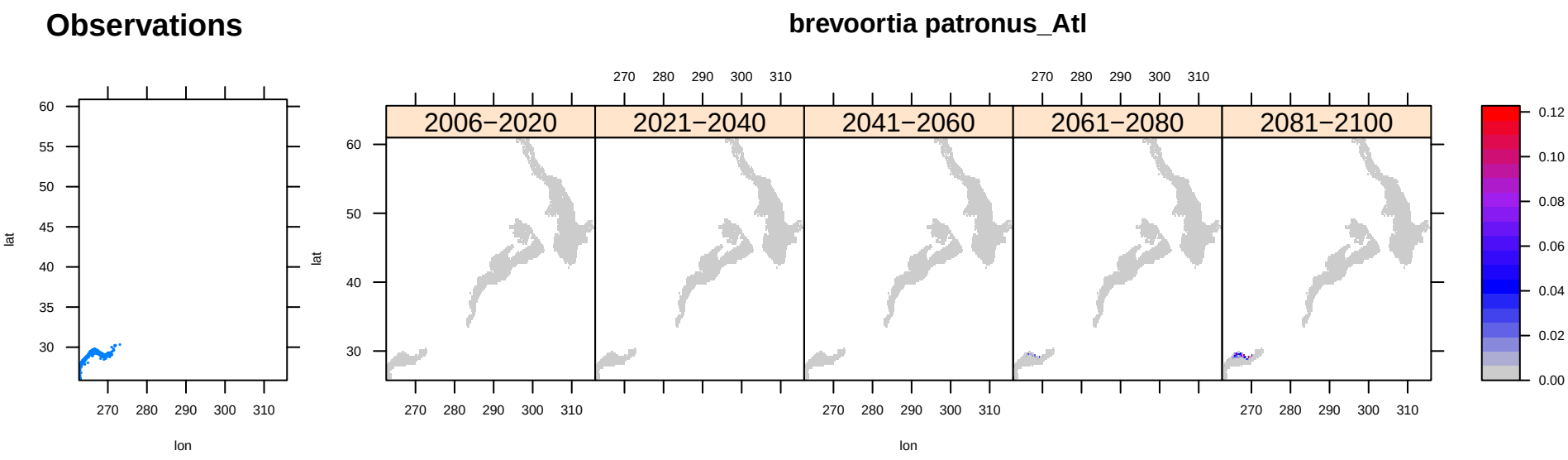
Observations
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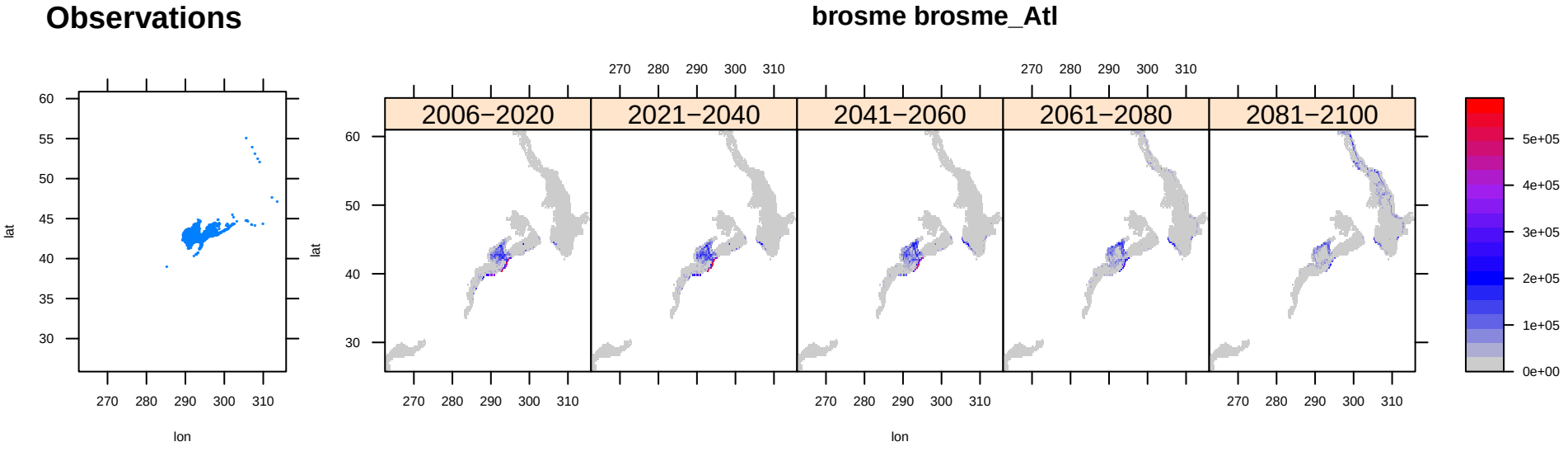
Observations
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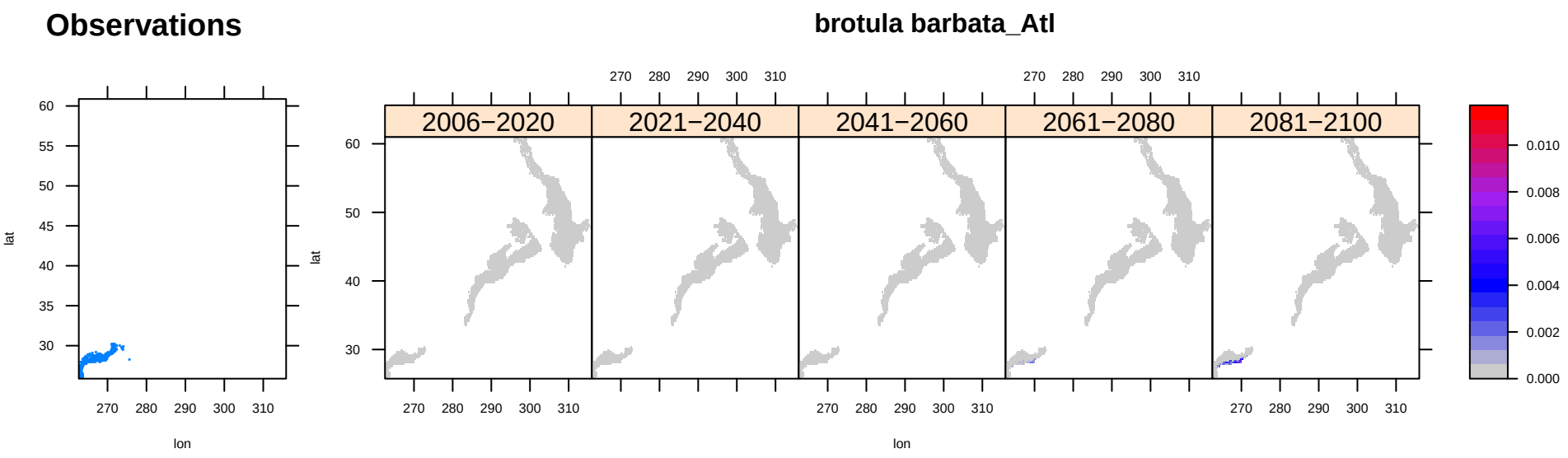
Observations
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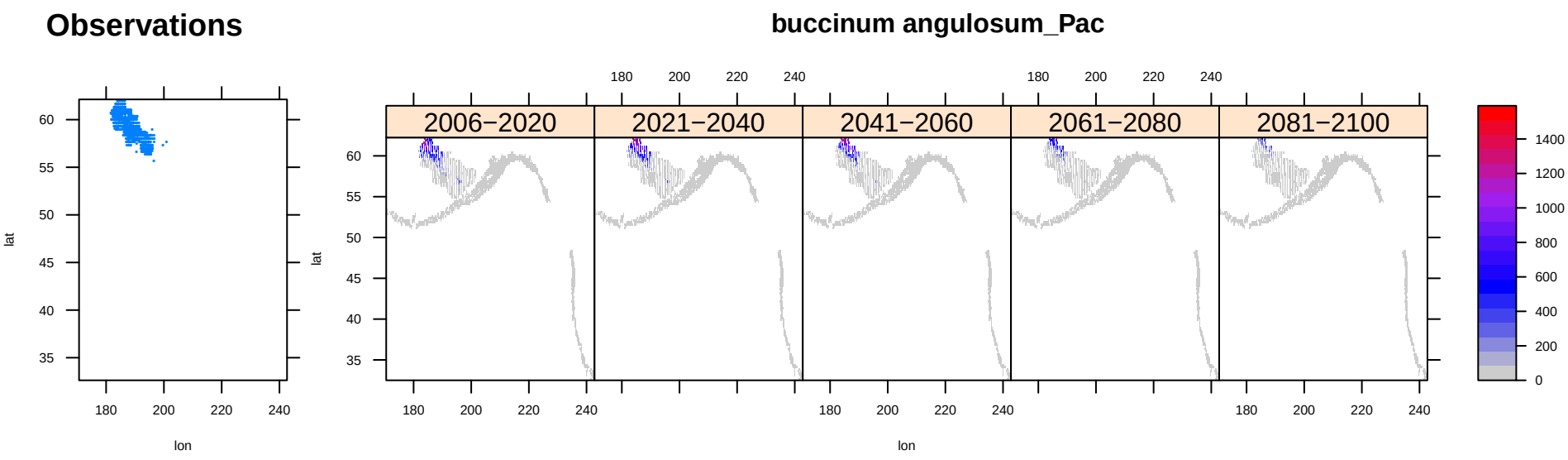
Observations
buccinum angulosum_Pac
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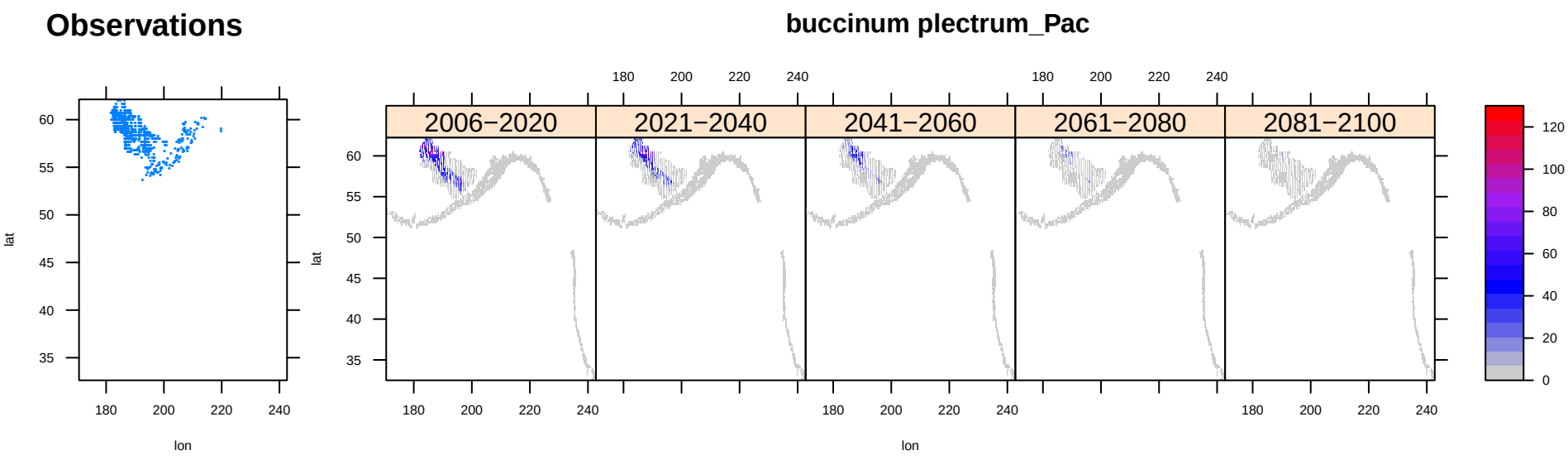
Observations
buccinum plectrum_Pac
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2021−2040
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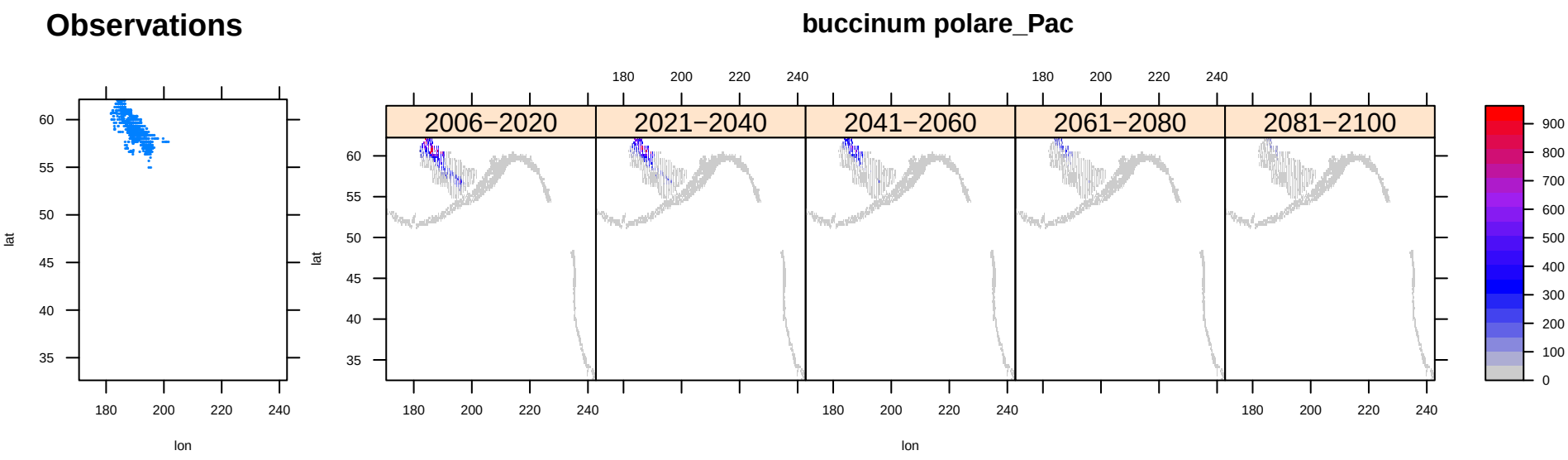
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buccinum polare_Pac
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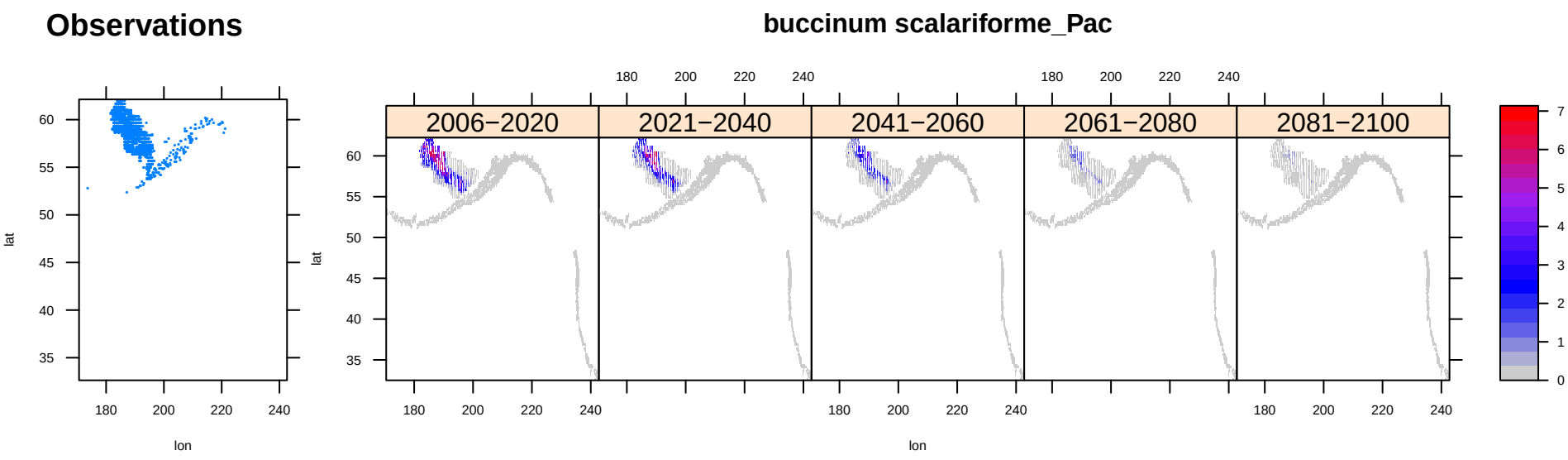
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buccinum scalariforme_Pac
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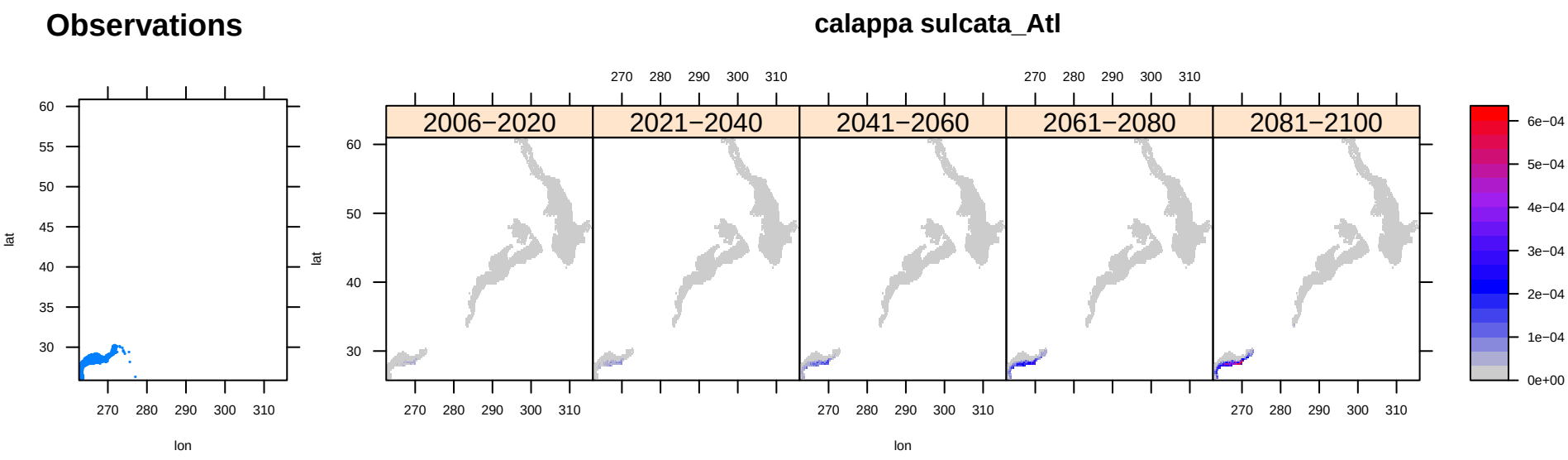
Observations
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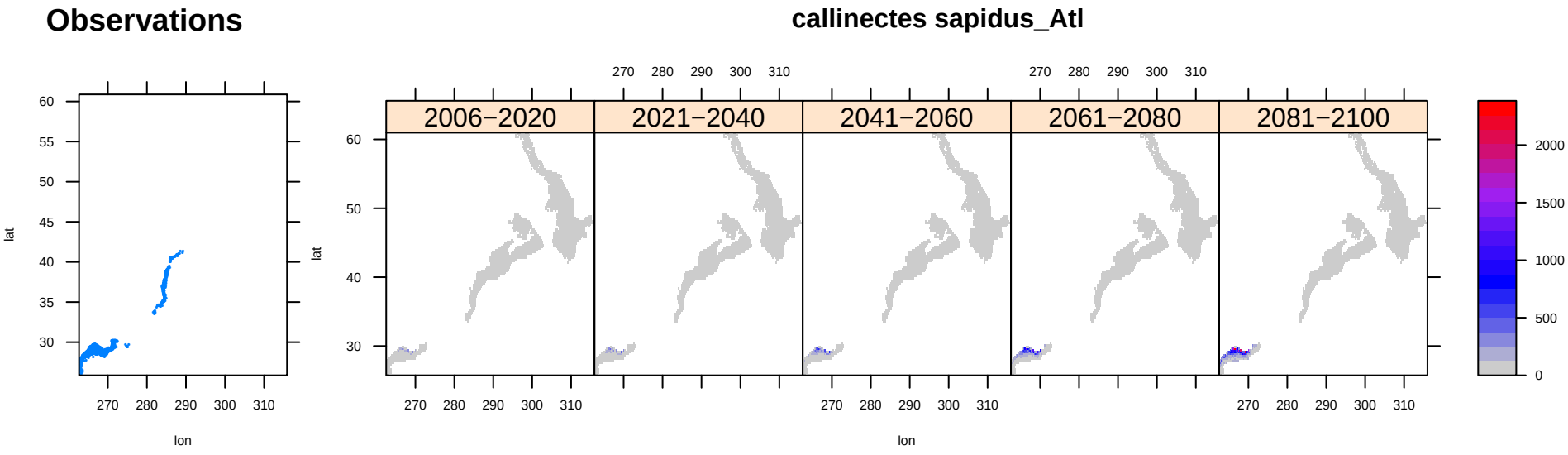
Observations
callinectes sapidus_Atl
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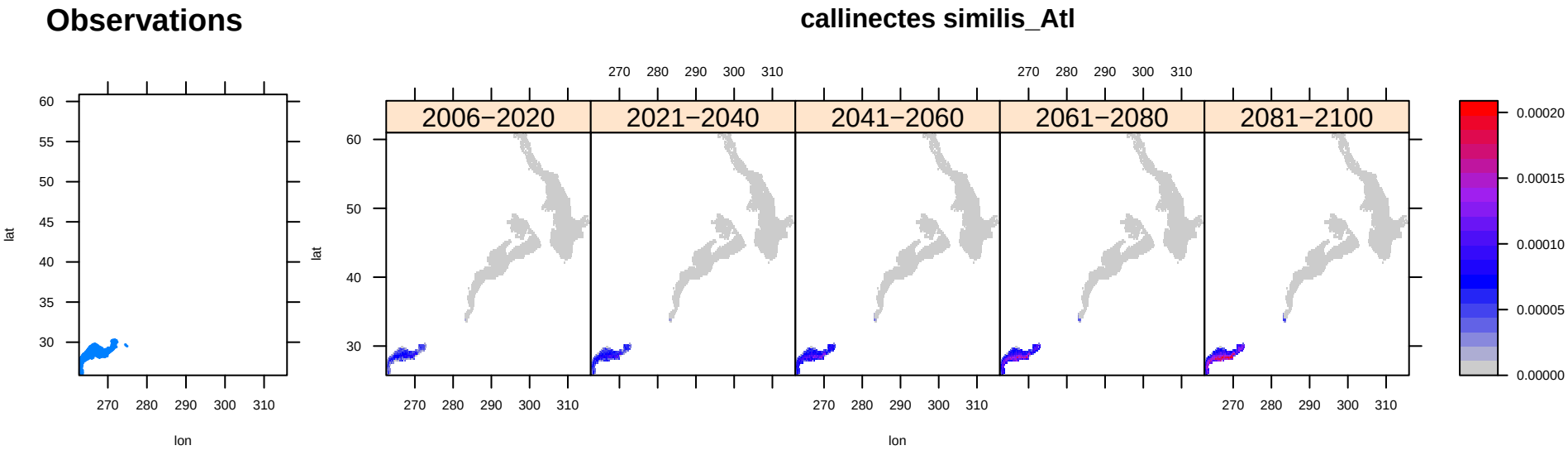
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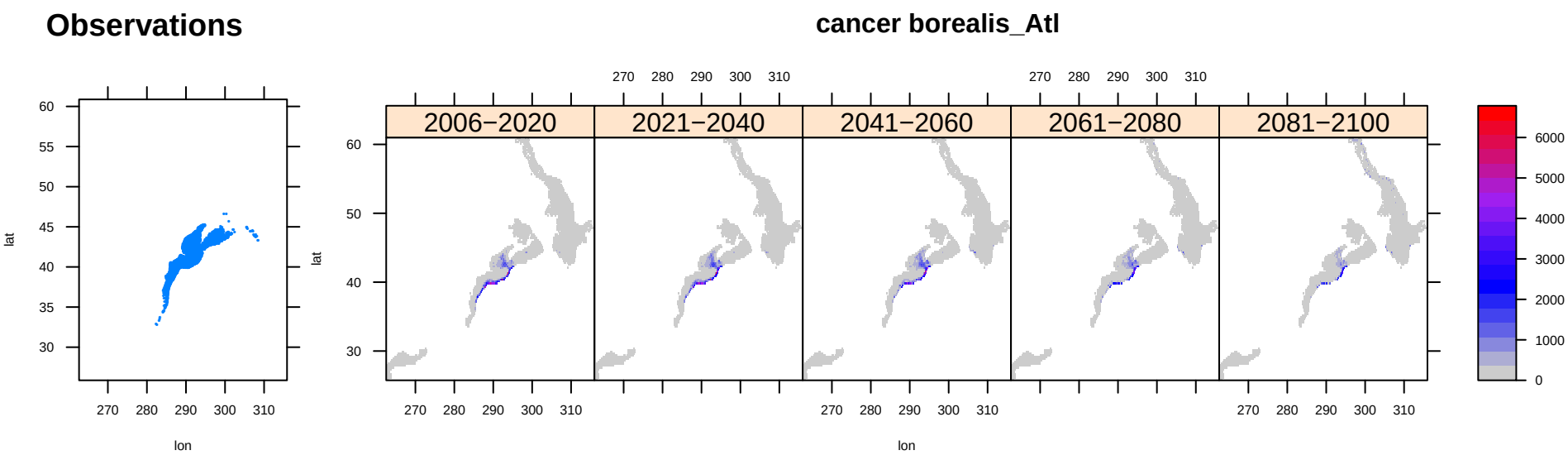
Observations
cancer borealis_Atl
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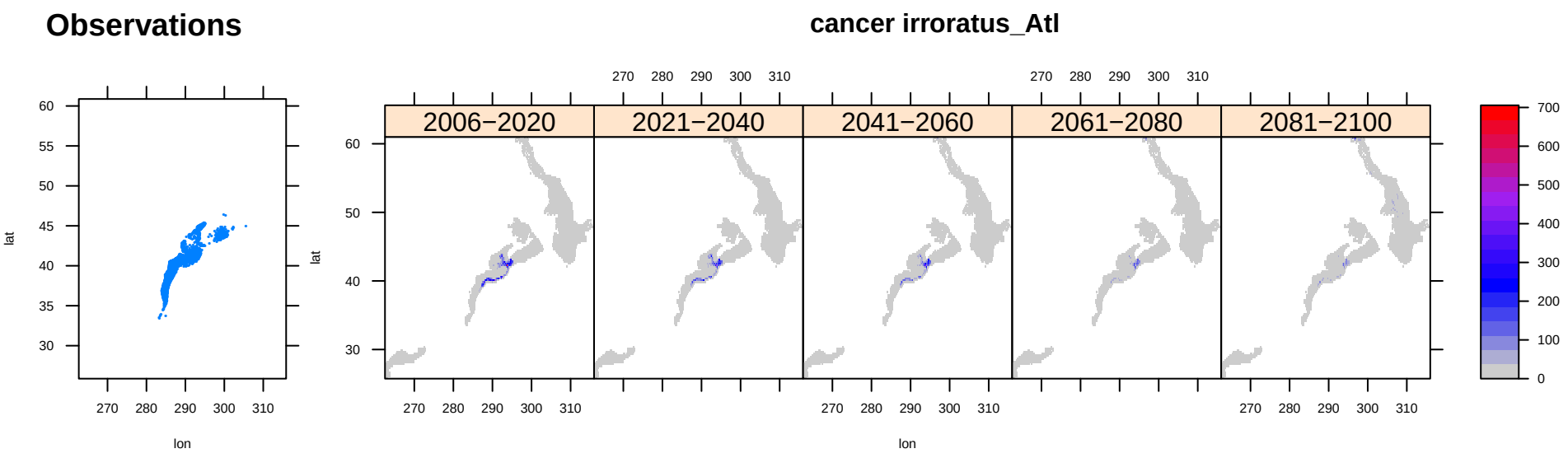
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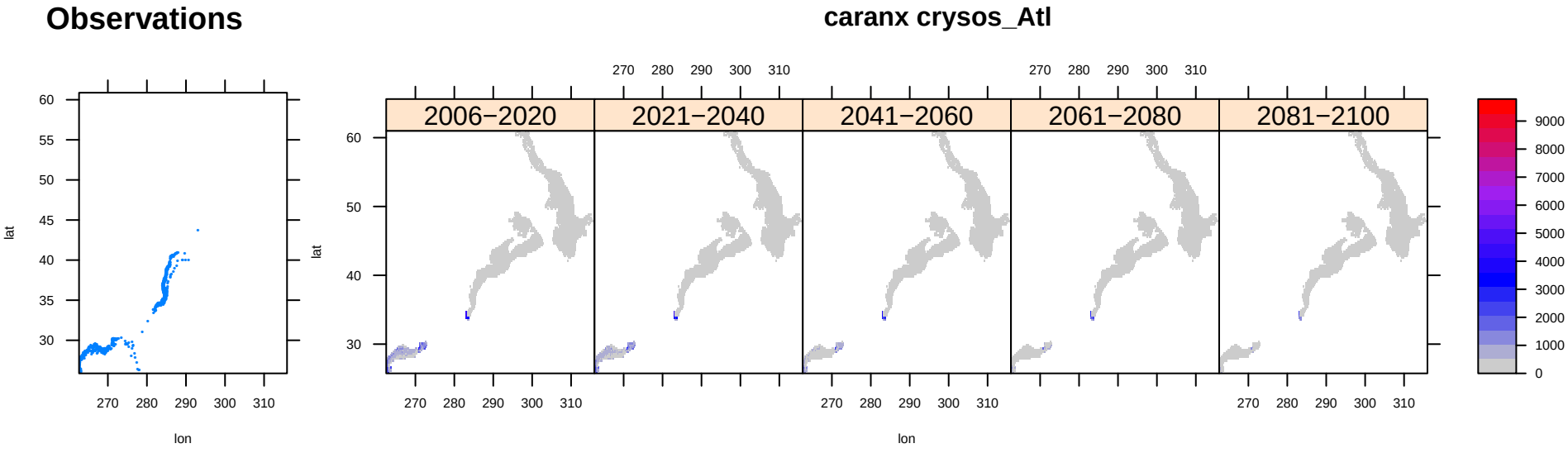
Observations
caranx crysos_Atl
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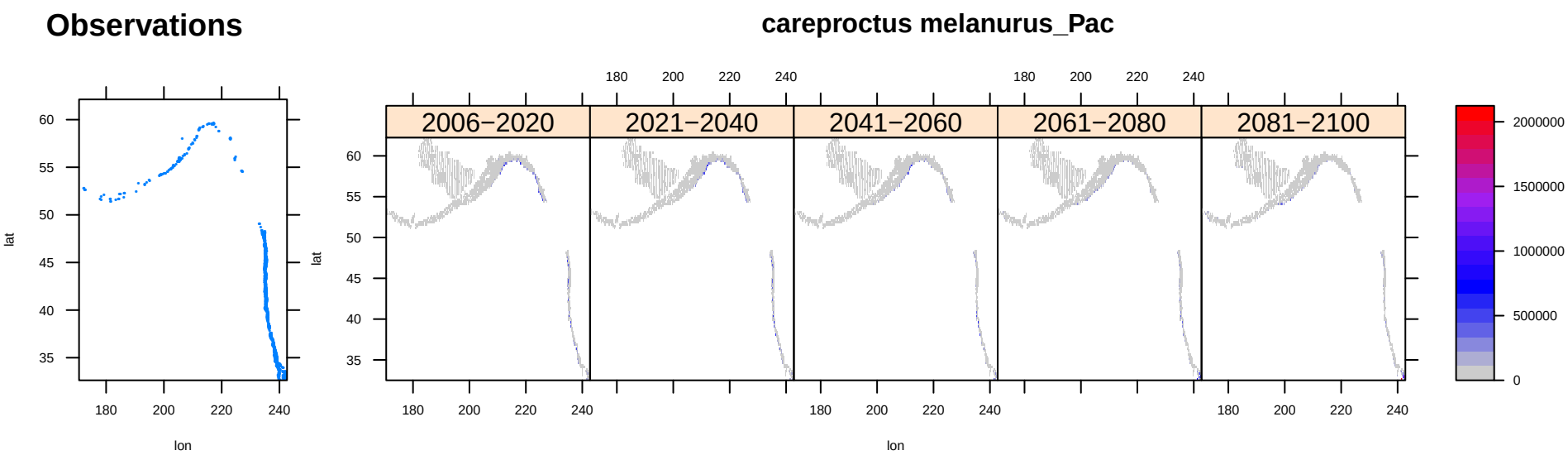
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lat
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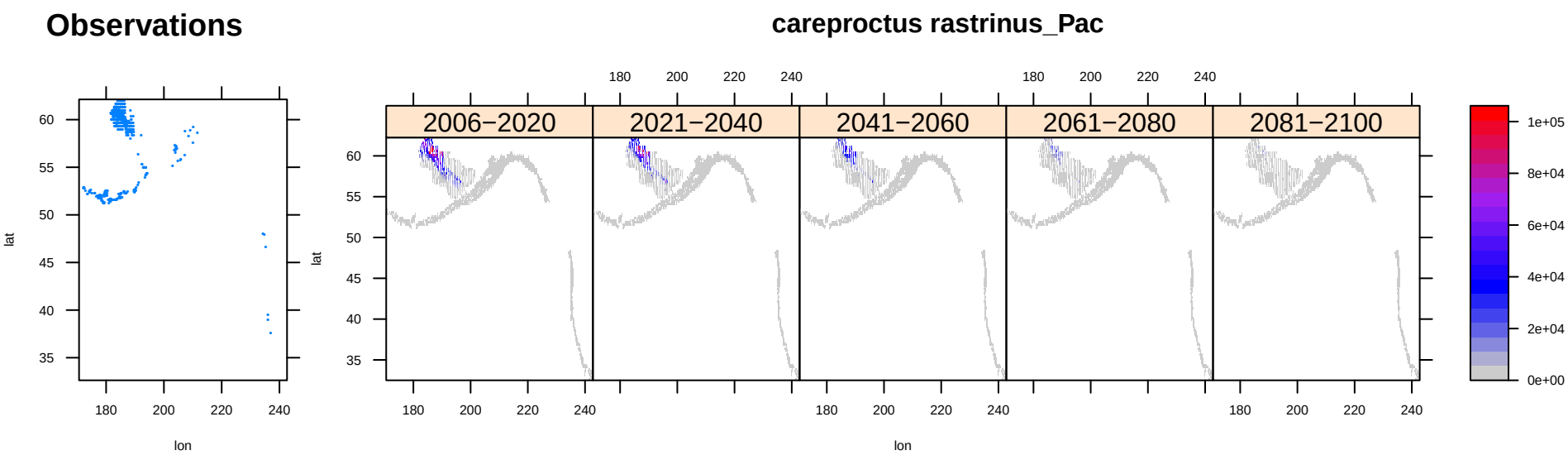
Observations
careproctus rastrinus_Pac
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lon
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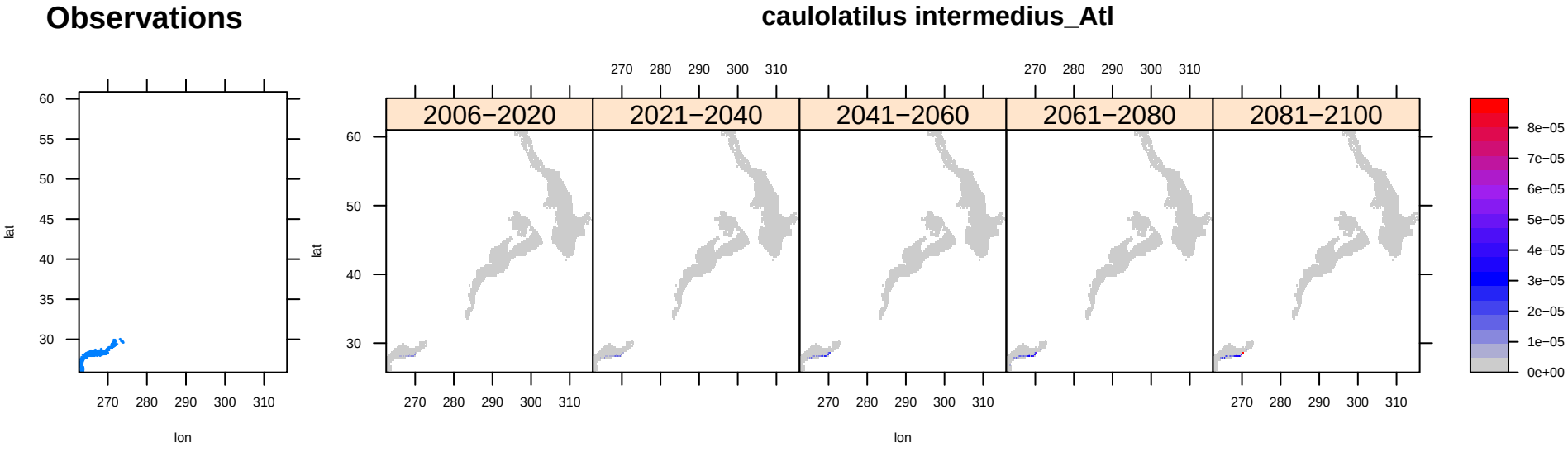
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caulolatilus intermedius_Atl
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lon
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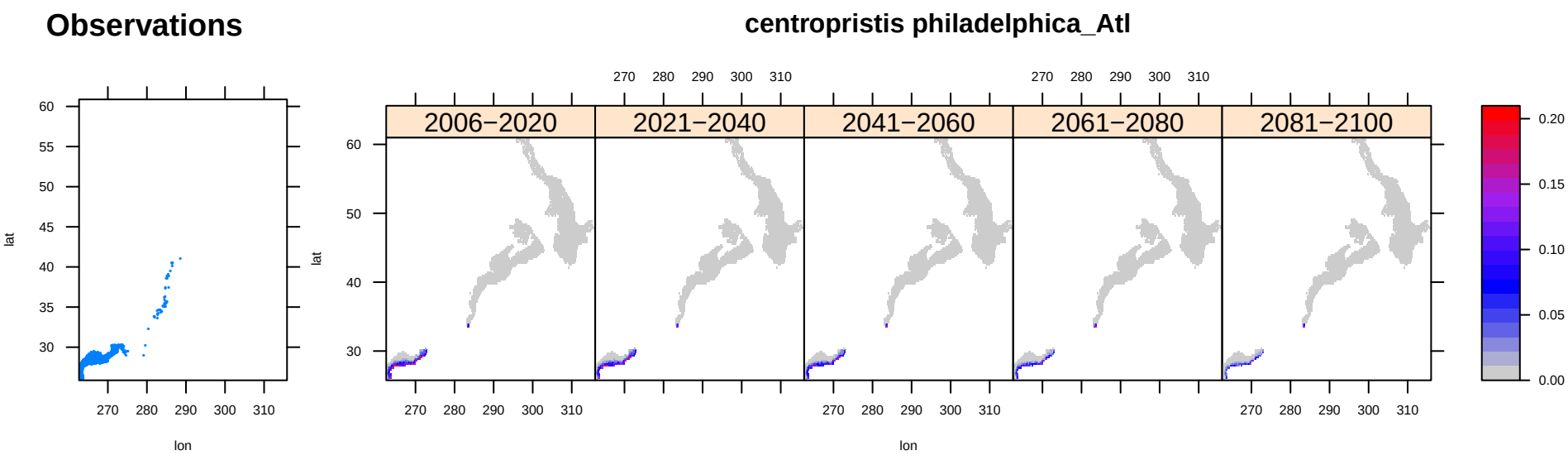
Observations
centropristis philadelphica_Atl
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2061−2080
2081−2100
lat
lon
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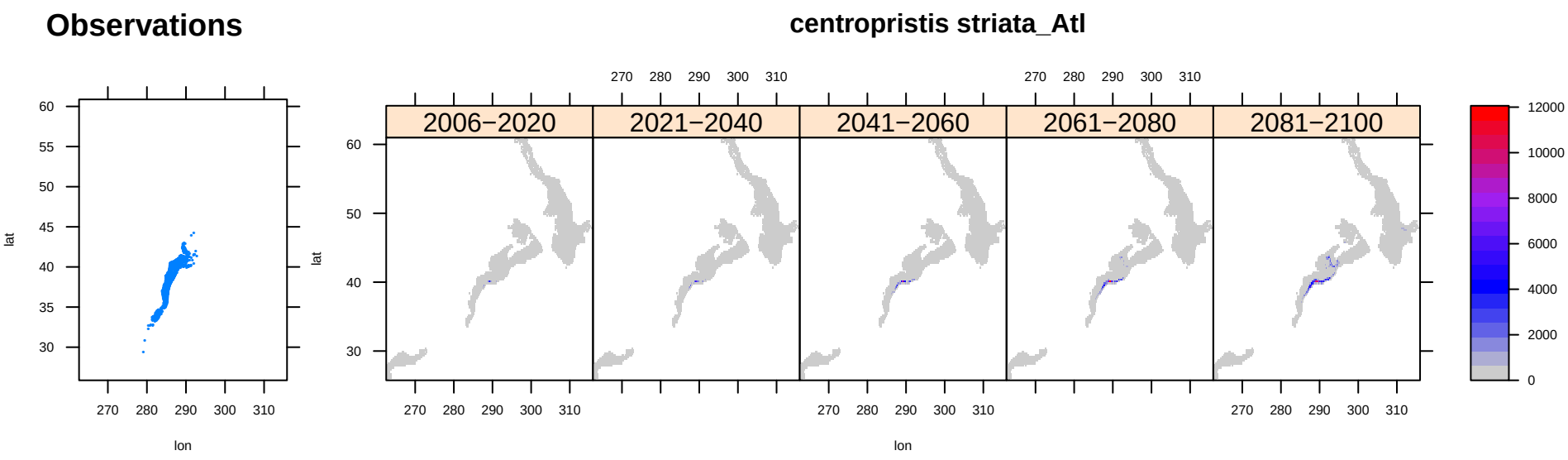
Observations
centropristis striata_Atl
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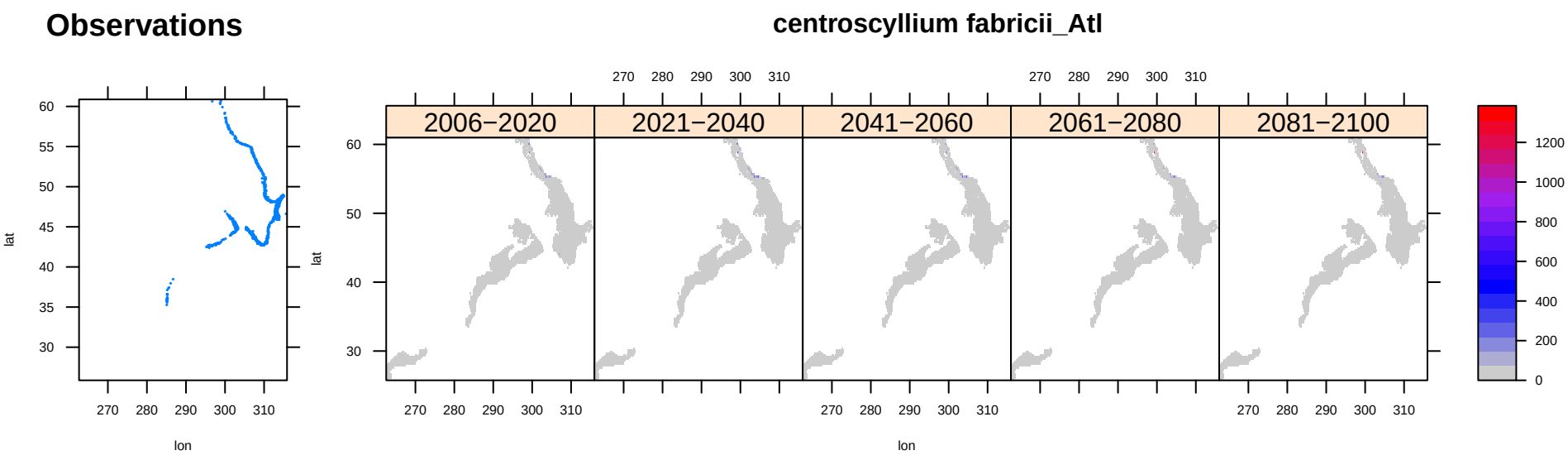
Observations
centroscyllium fabricii_Atl
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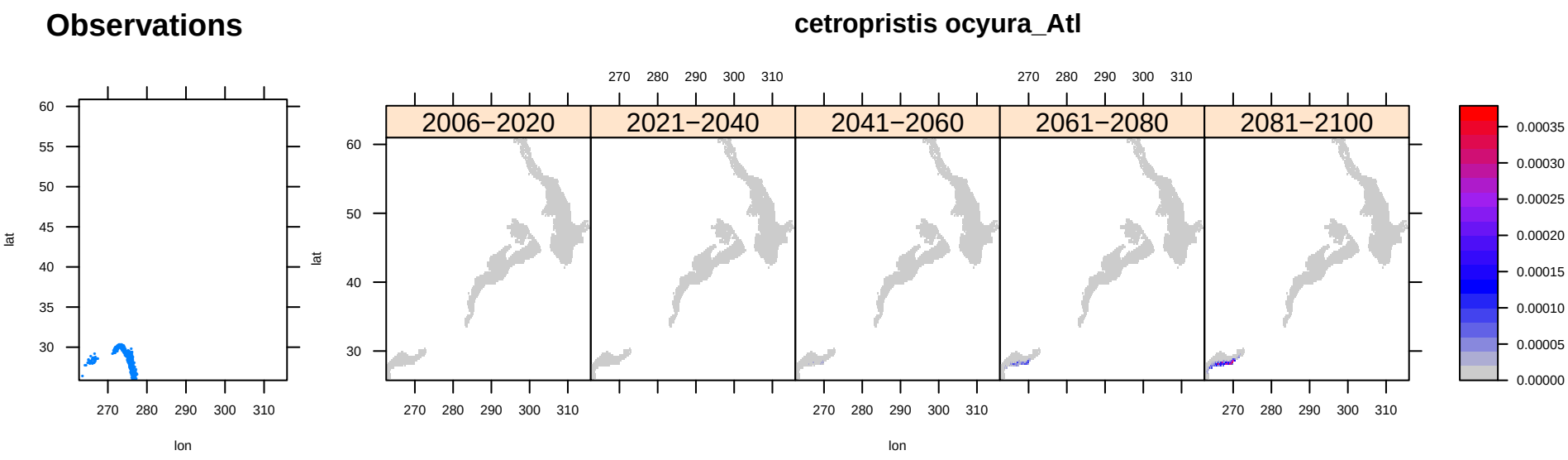
Observations
cetropristis ocyura_Atl
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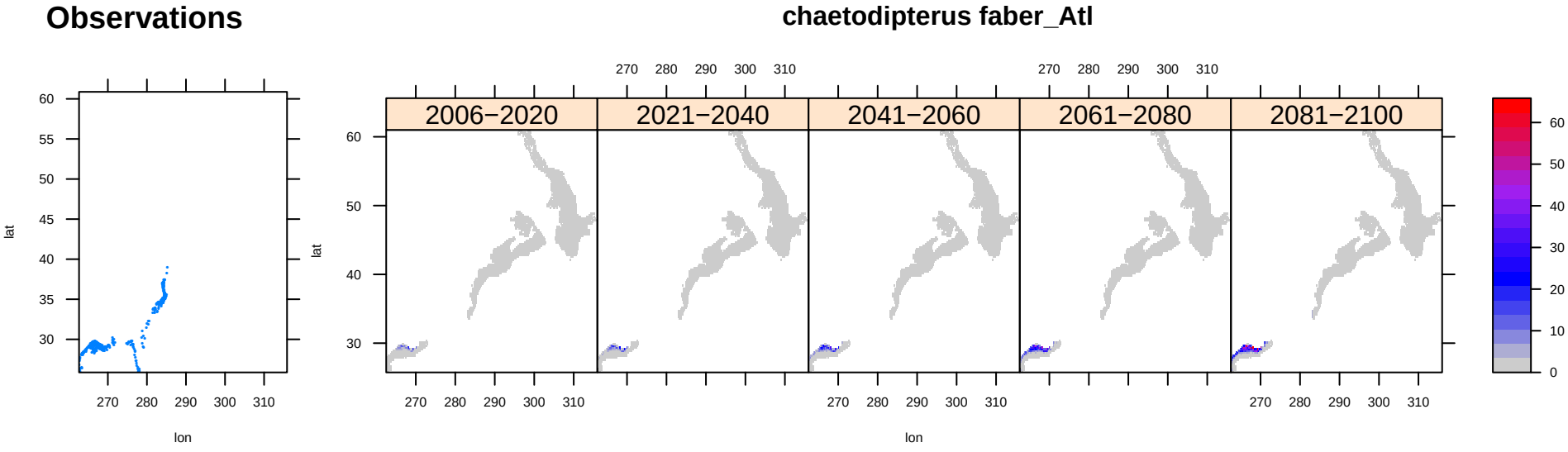
Observations
chaetodipterus faber_Atl
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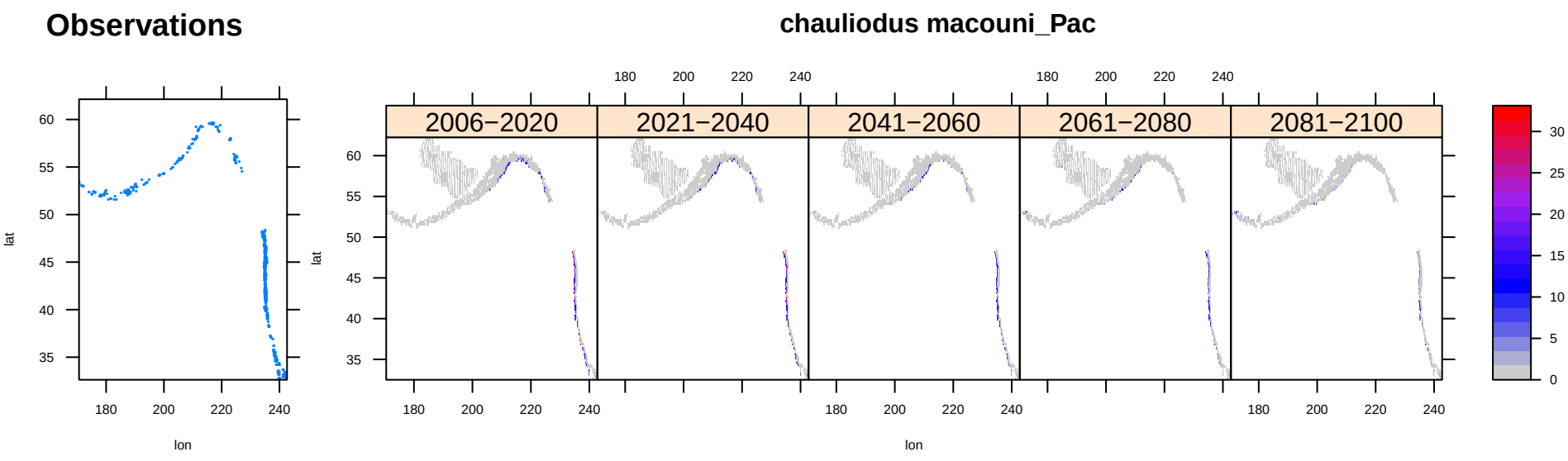
Observations
chauliodus macouni_Pac
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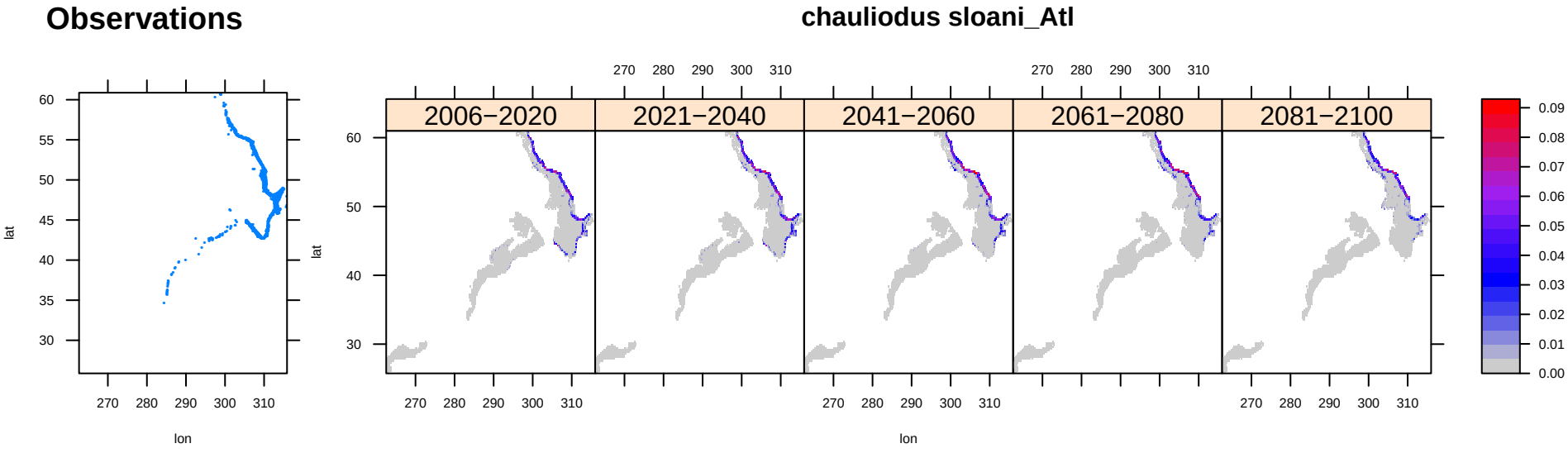
Observations
chauliodus sloani_Atl
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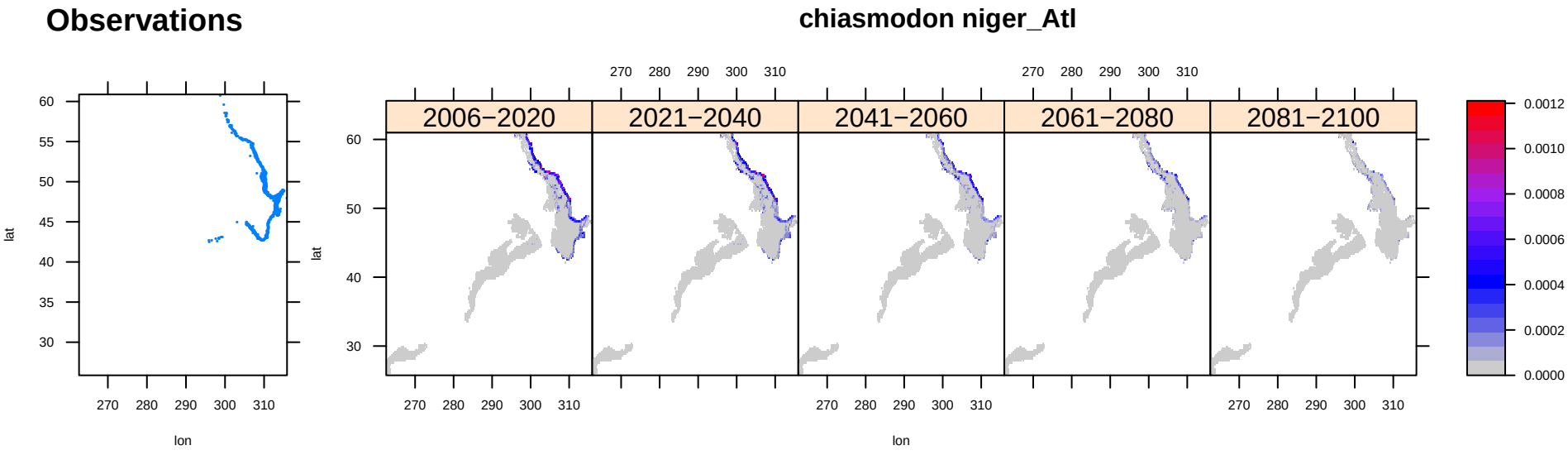
Observations
chiasmodon niger_Atl
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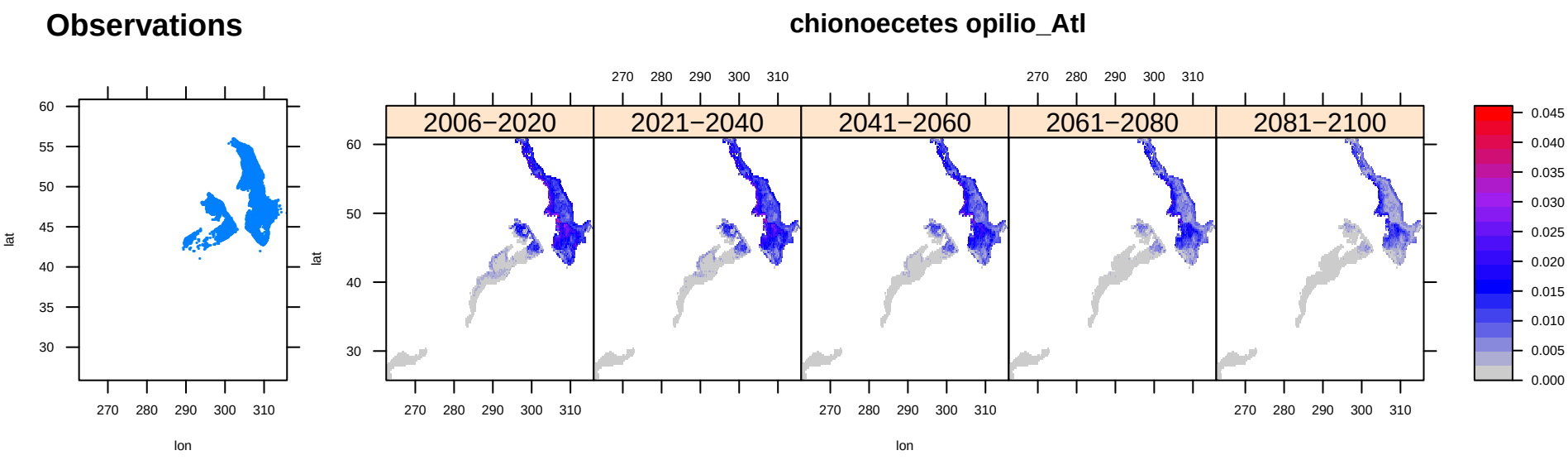
Observations
chionoecetes opilio_Atl
2006−2020
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2081−2100
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lon
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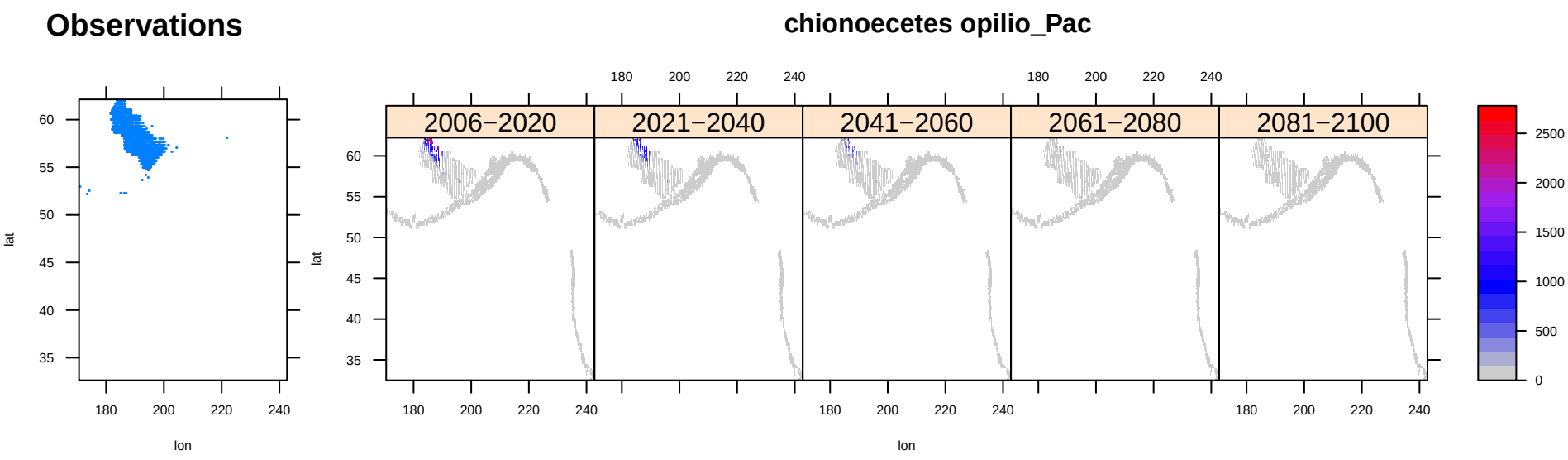
Observations
chionoecetes opilio_Pac
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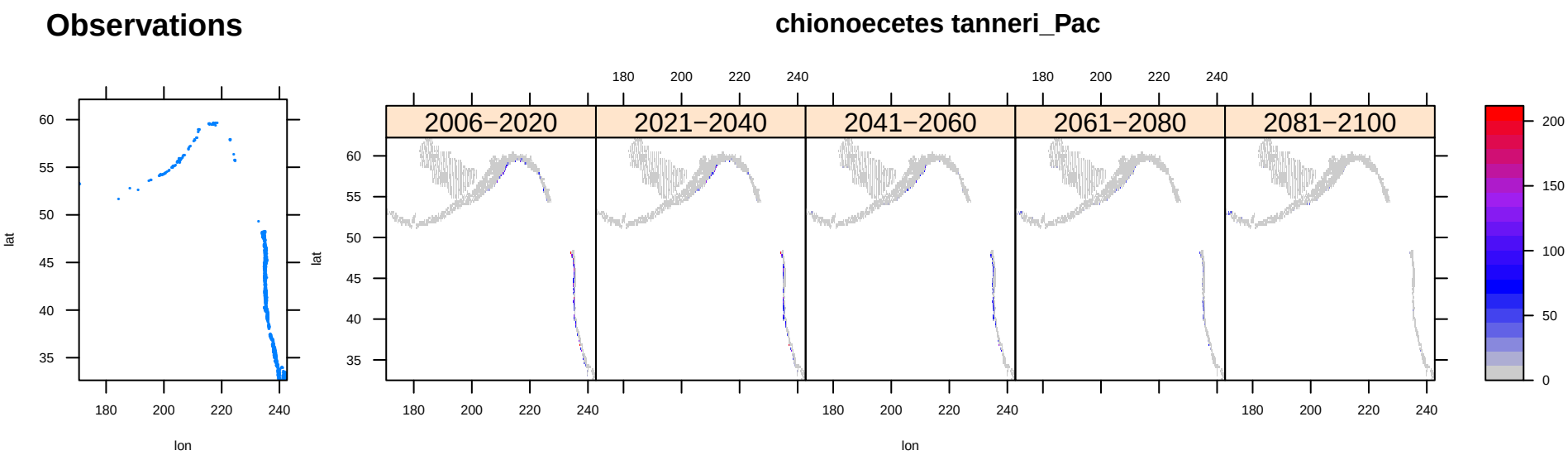
Observations
chionoecetes tanneri_Pac
2006−2020
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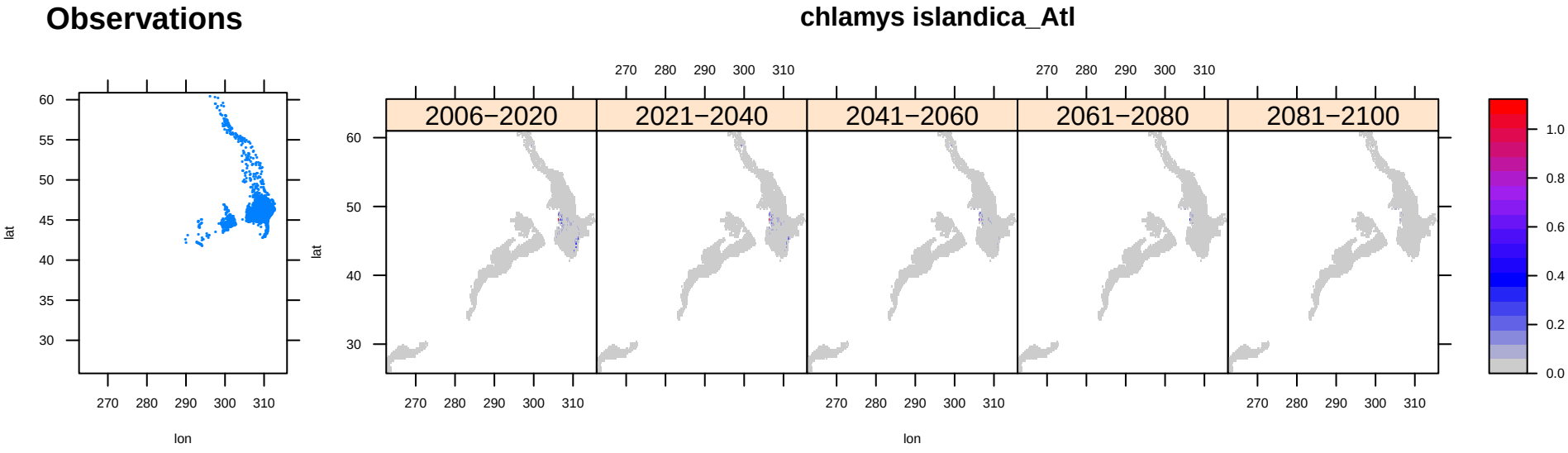
Observations
chlamys islandica_Atl
2006−2020
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2081−2100
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lon
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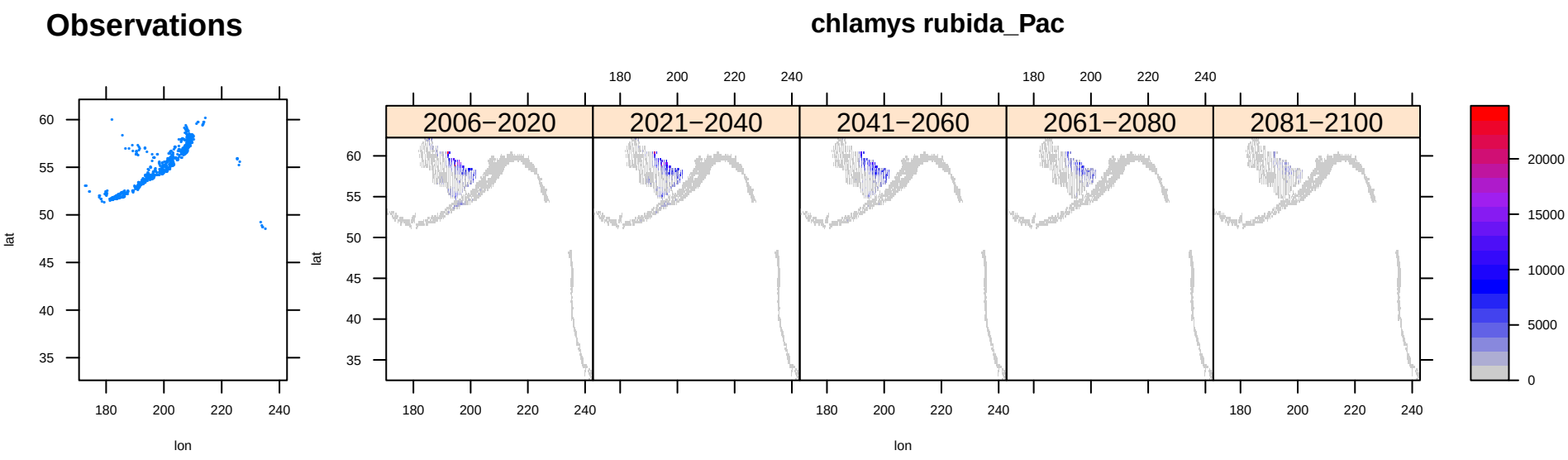
Observations
chlamys rubida_Pac
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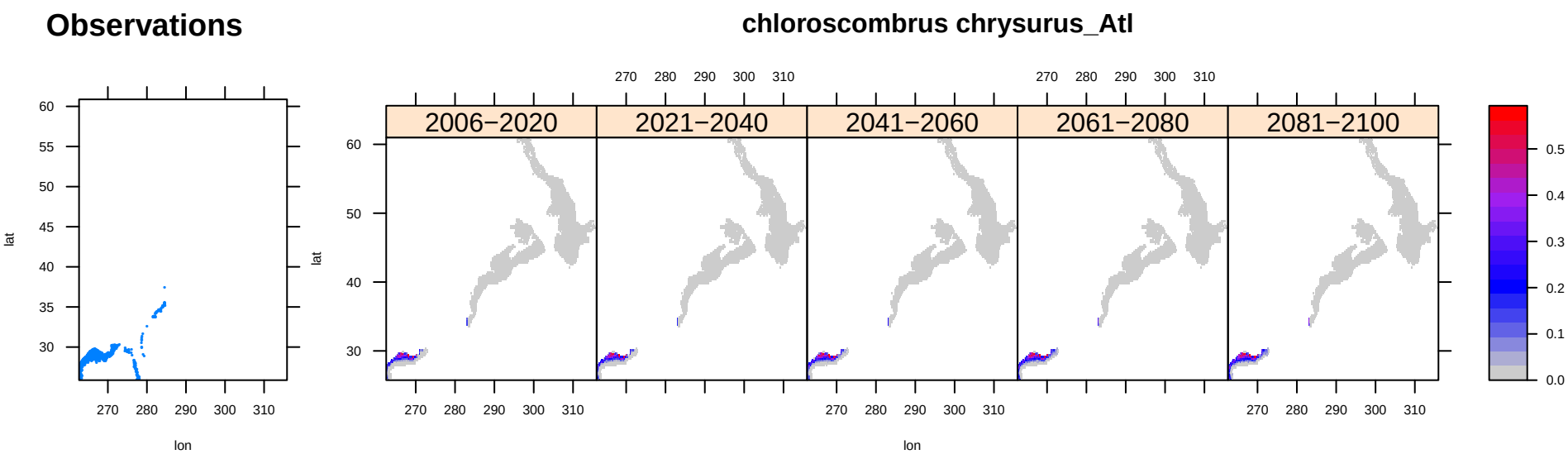
Observations
chloroscombrus chrysurus_Atl
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lon
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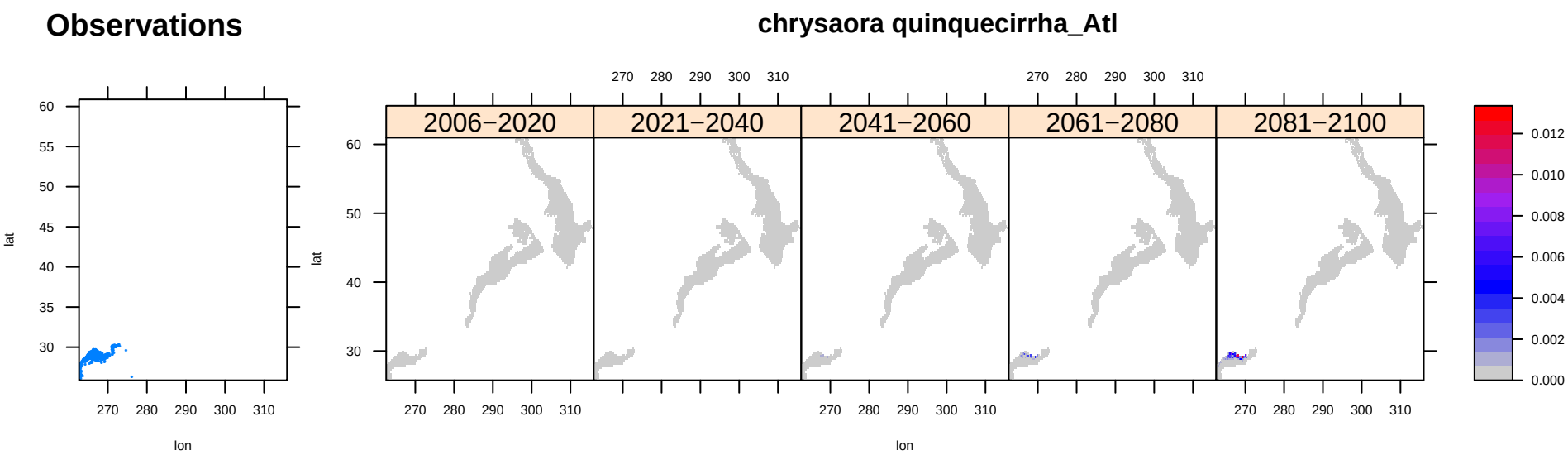
Observations
chrysaora quinquecirrha_Atl
2006−2020
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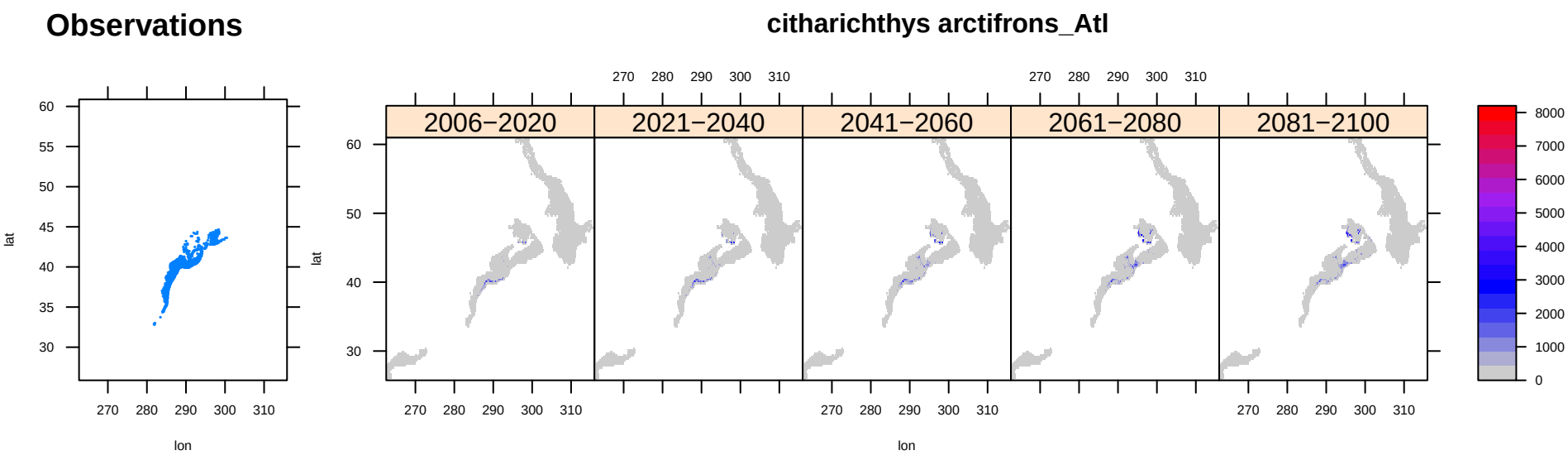
Observations
citharichthys arctifrons_Atl
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2081−2100
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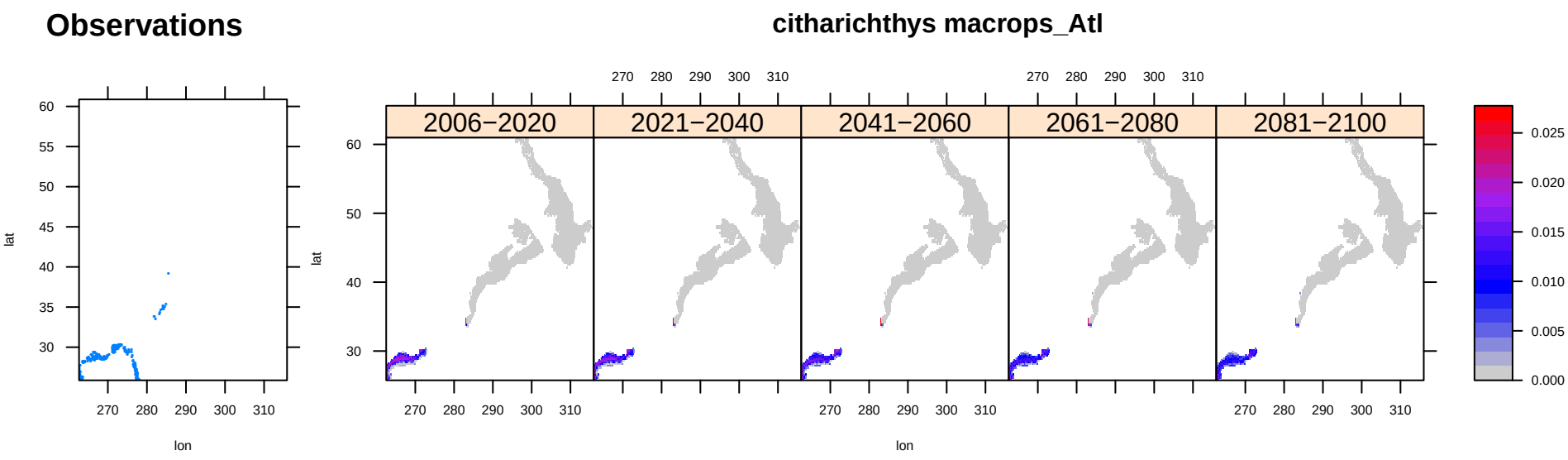
Observations
citharichthys macrops_Atl
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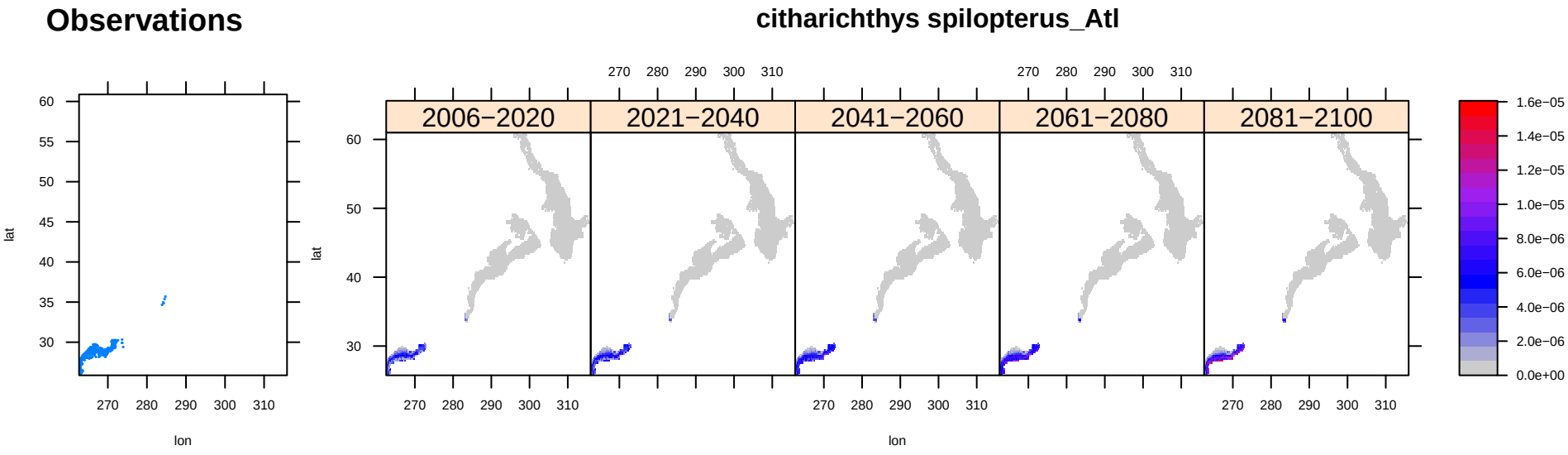
Observations
citharichthys spilopterus_Atl
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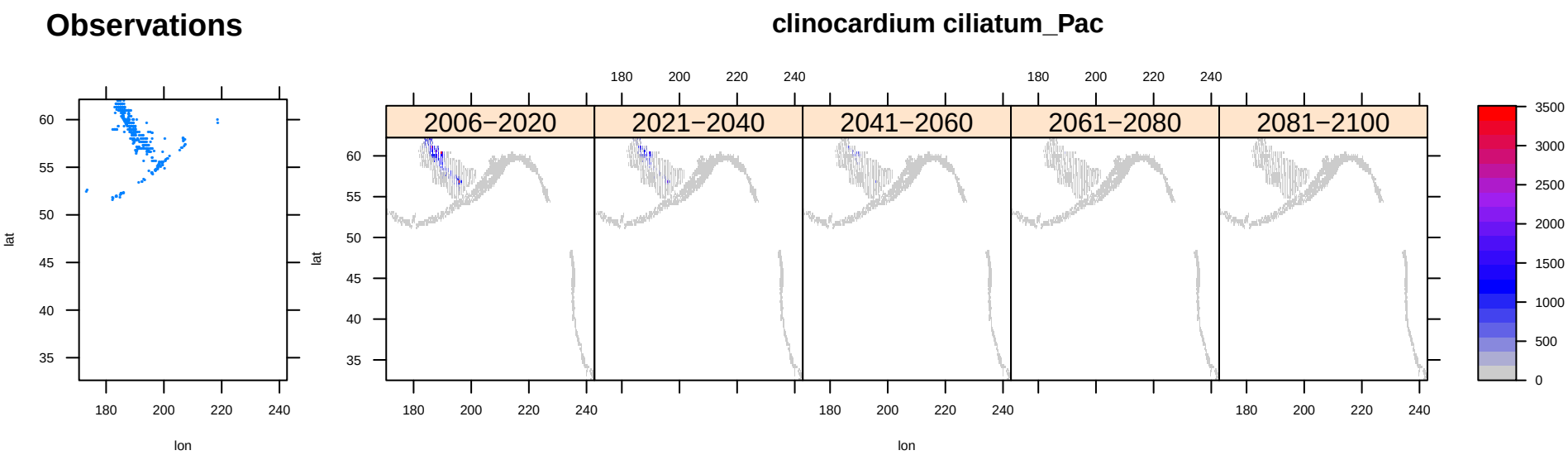
Observations
clinocardium ciliatum_Pac
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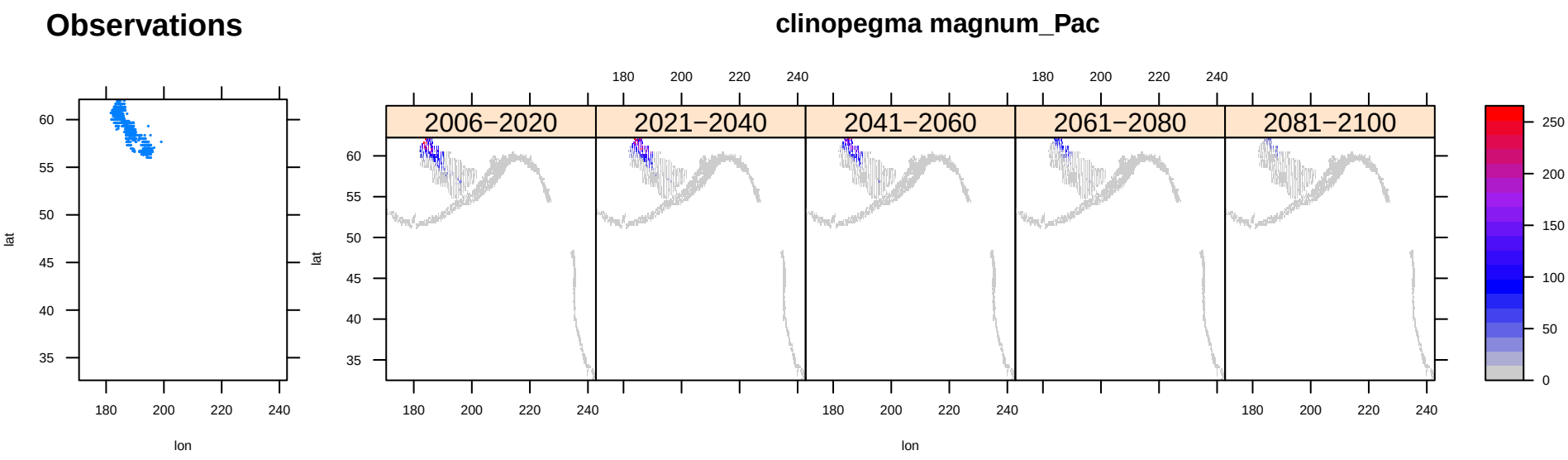
Observations
clinopegma magnum_Pac
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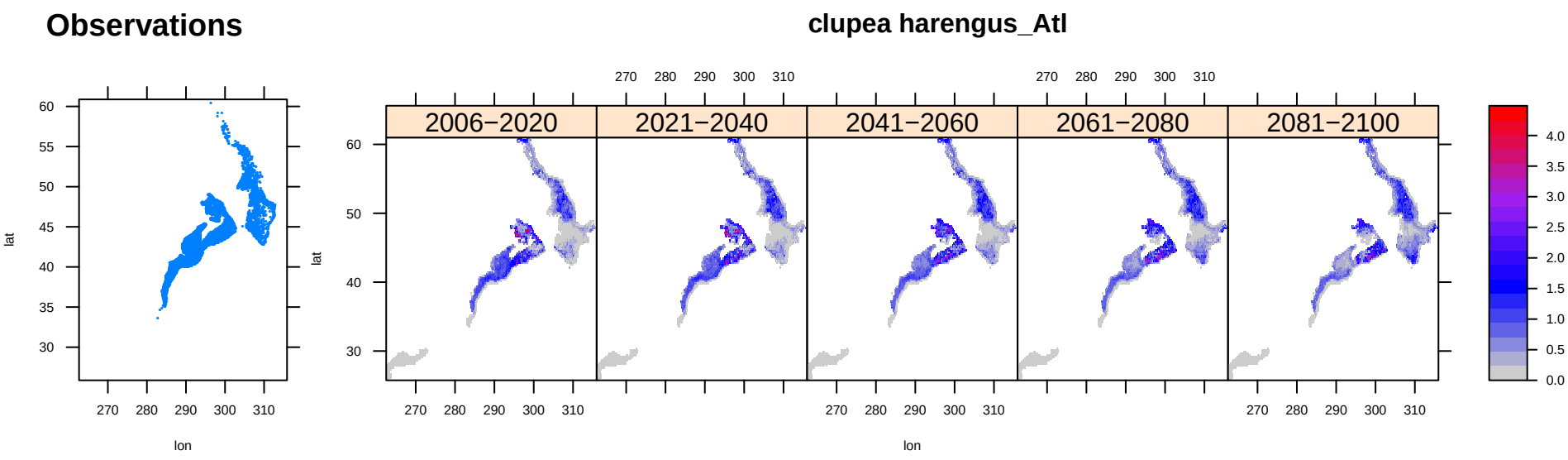
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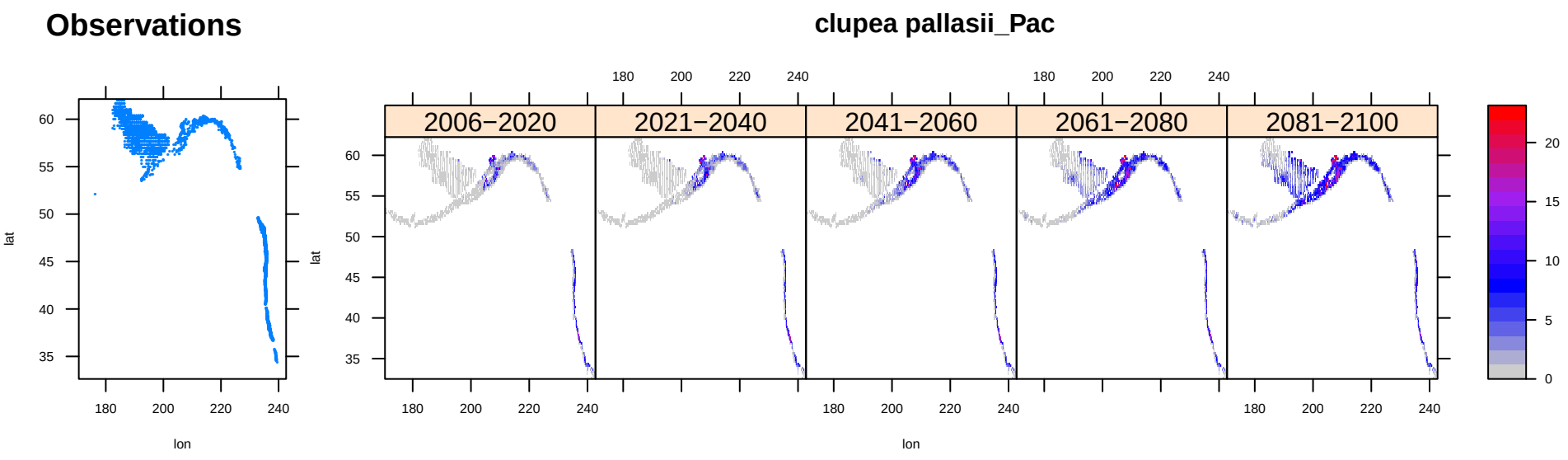
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clupea pallasii_Pac
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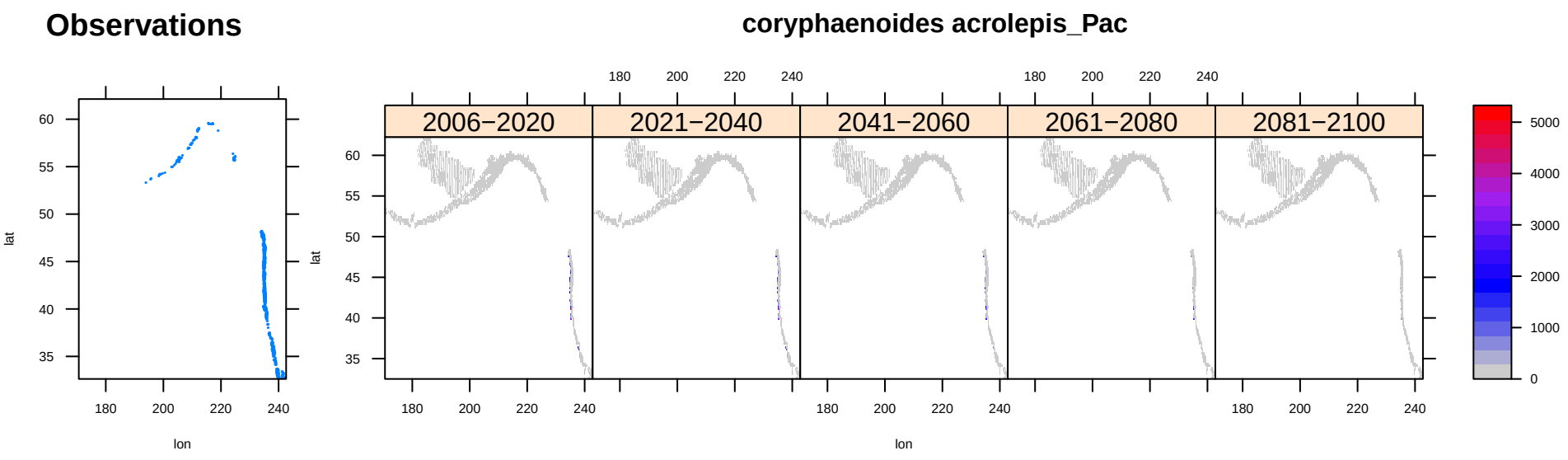
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coryphaenoides acrolepis_Pac
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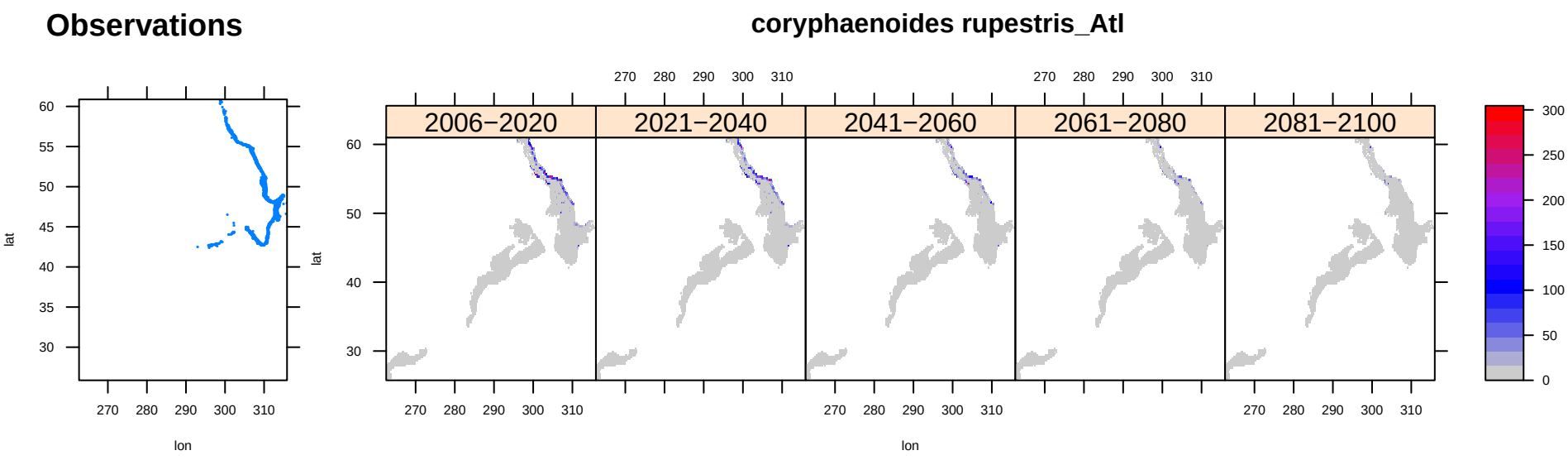
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coryphaenoides rupestris_Atl
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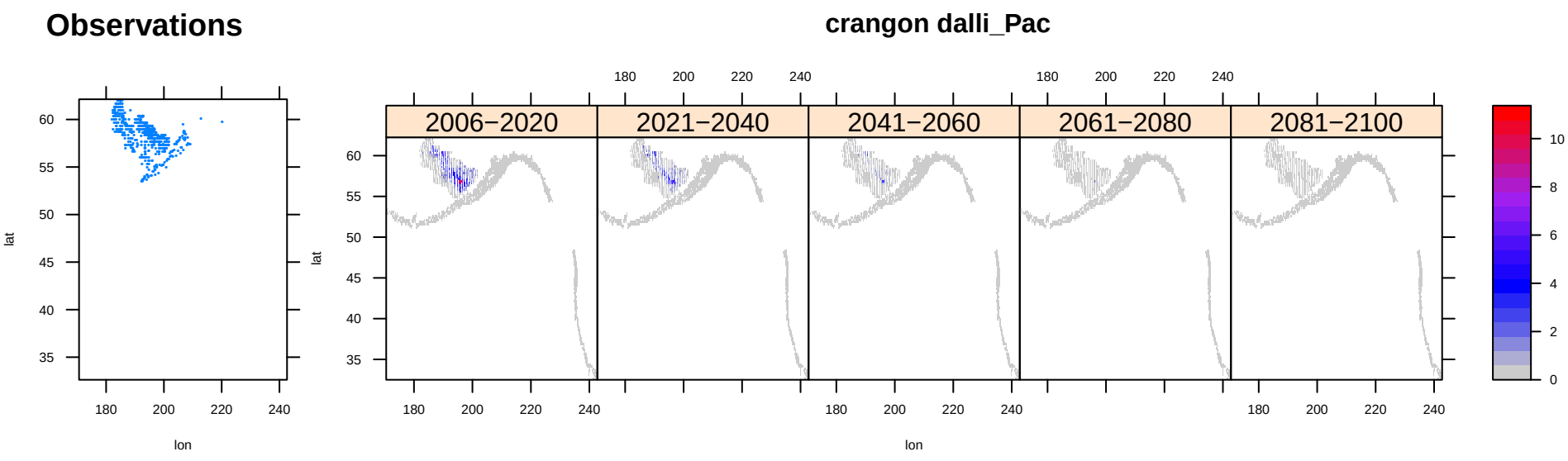
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crangon dalli_Pac
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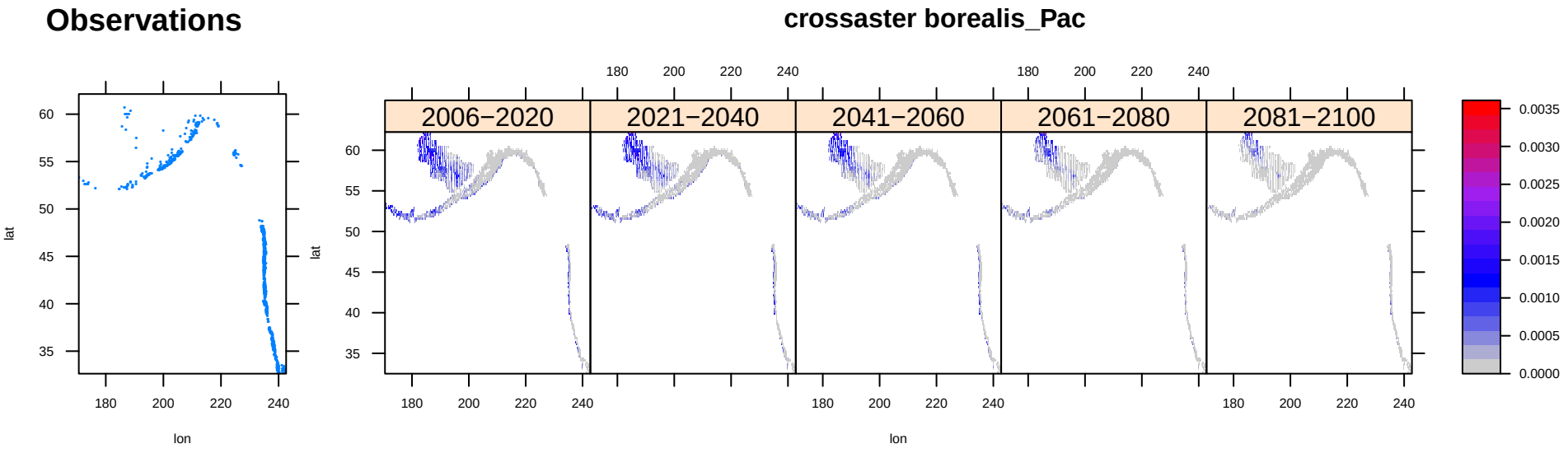
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crossaster borealis_Pac
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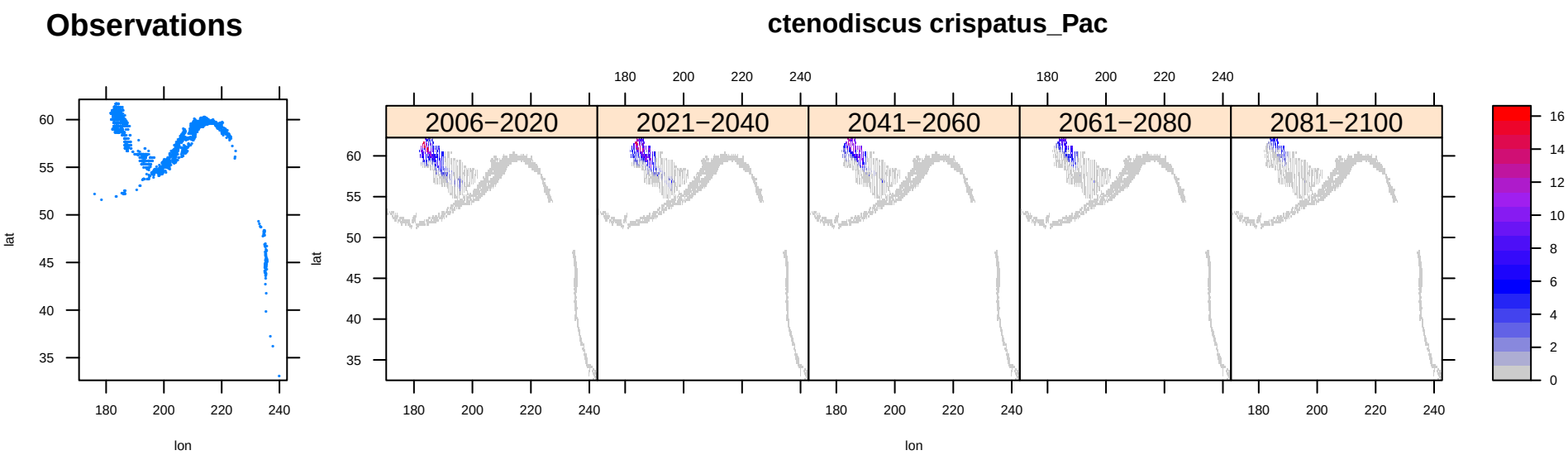
Observations
ctenodiscus crispatus_Pac
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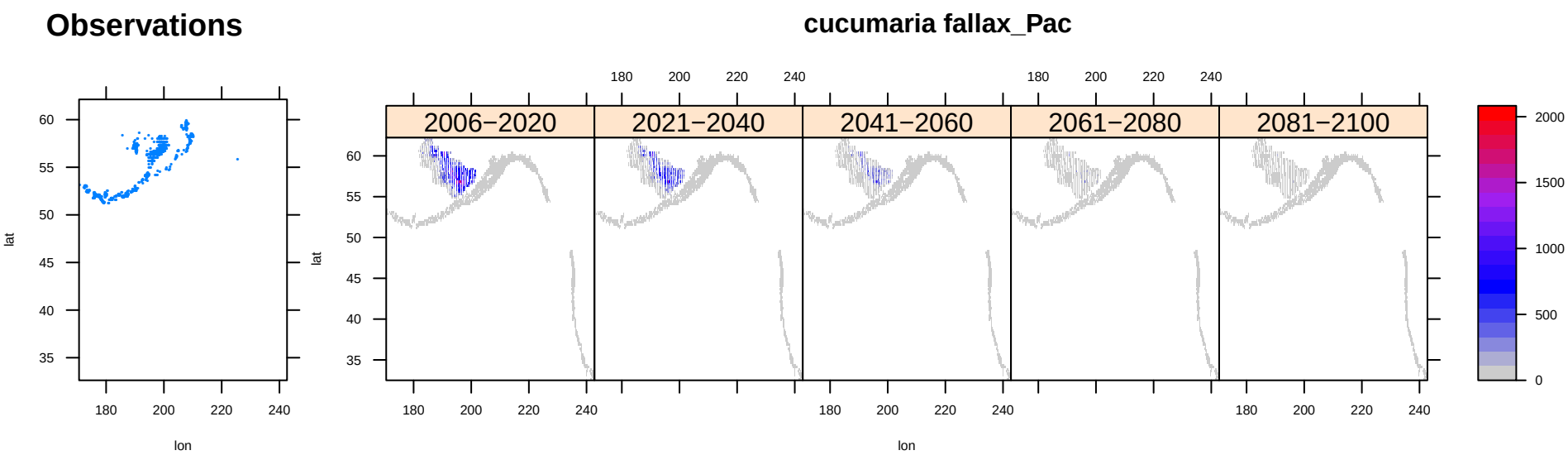
Observations
cucumaria fallax_Pac
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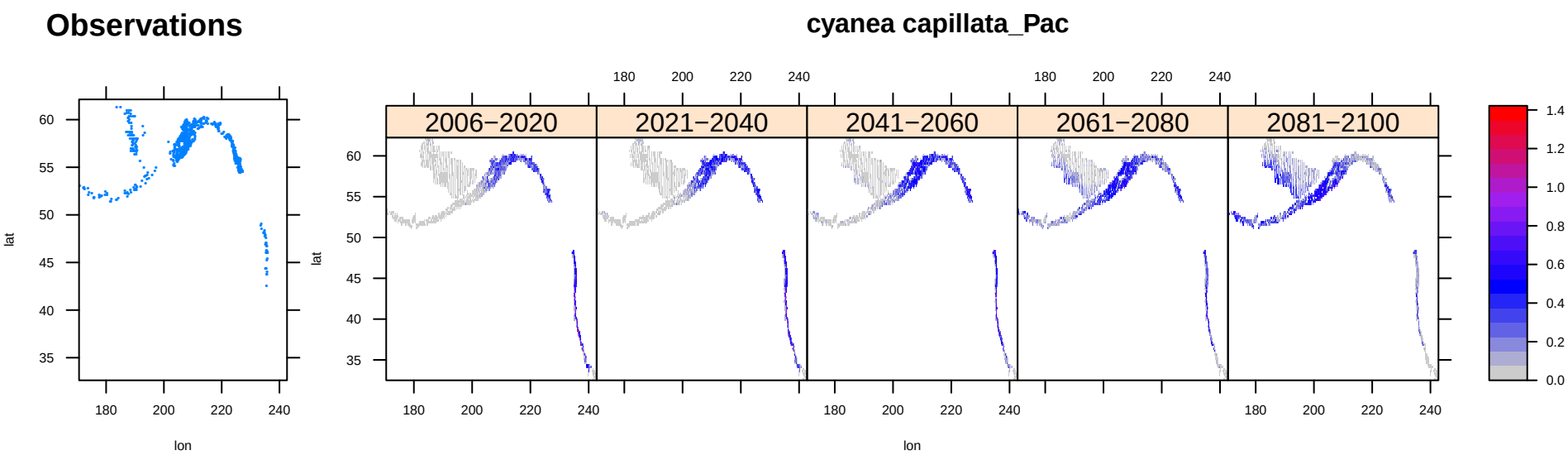
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cyanea capillata_Pac
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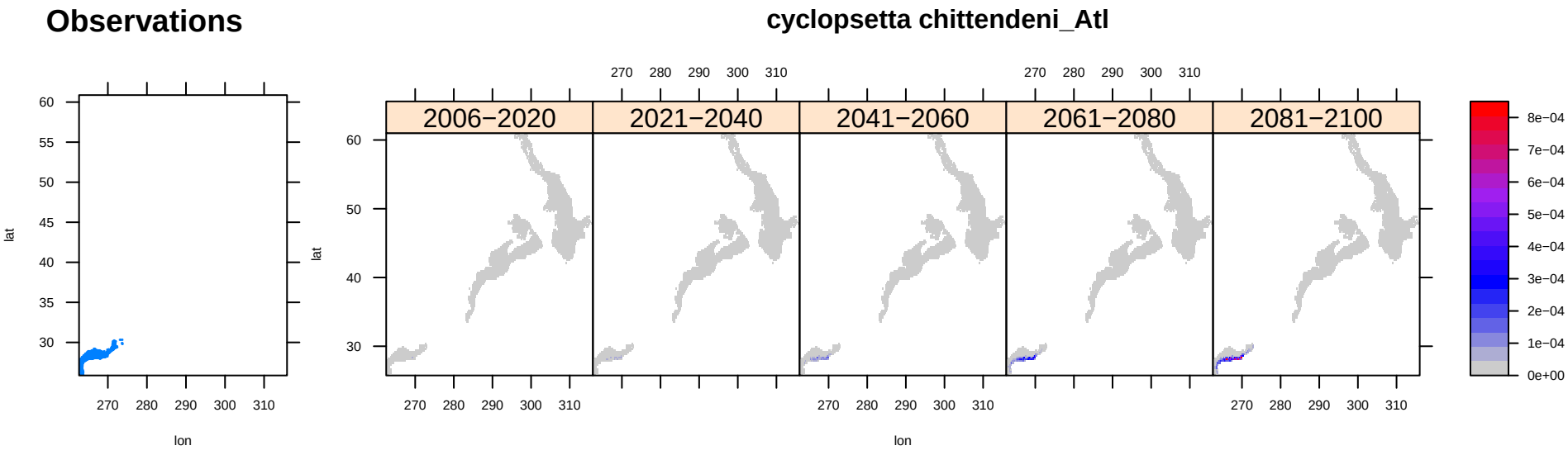
Observations
cyclopsetta chittendeni_Atl
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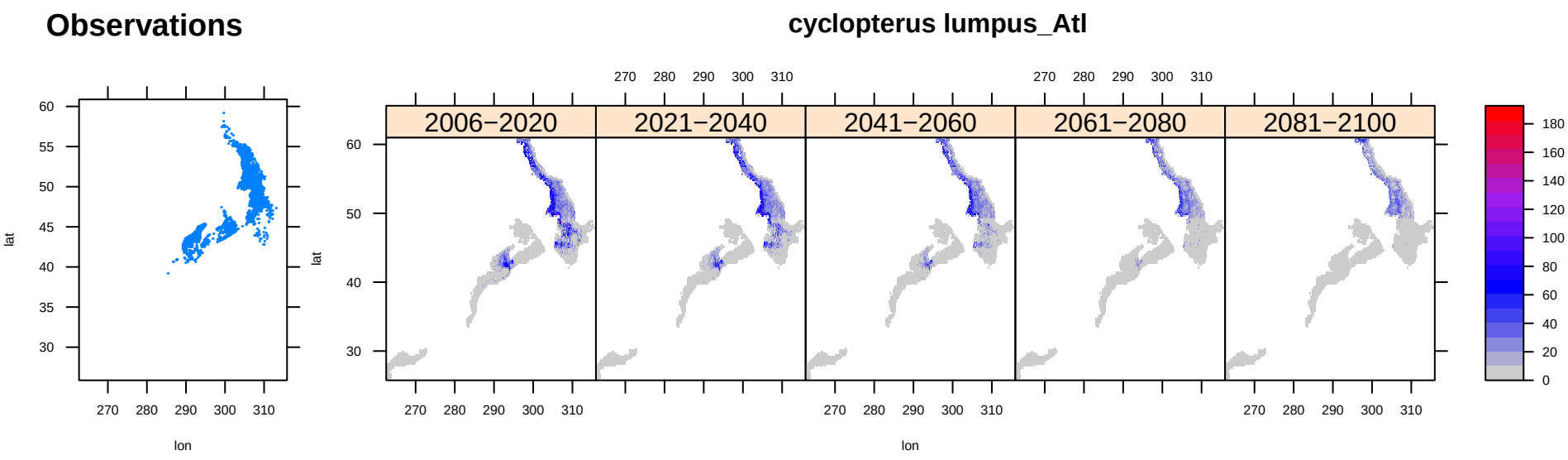
Observations
cyclopterus lumpus_Atl
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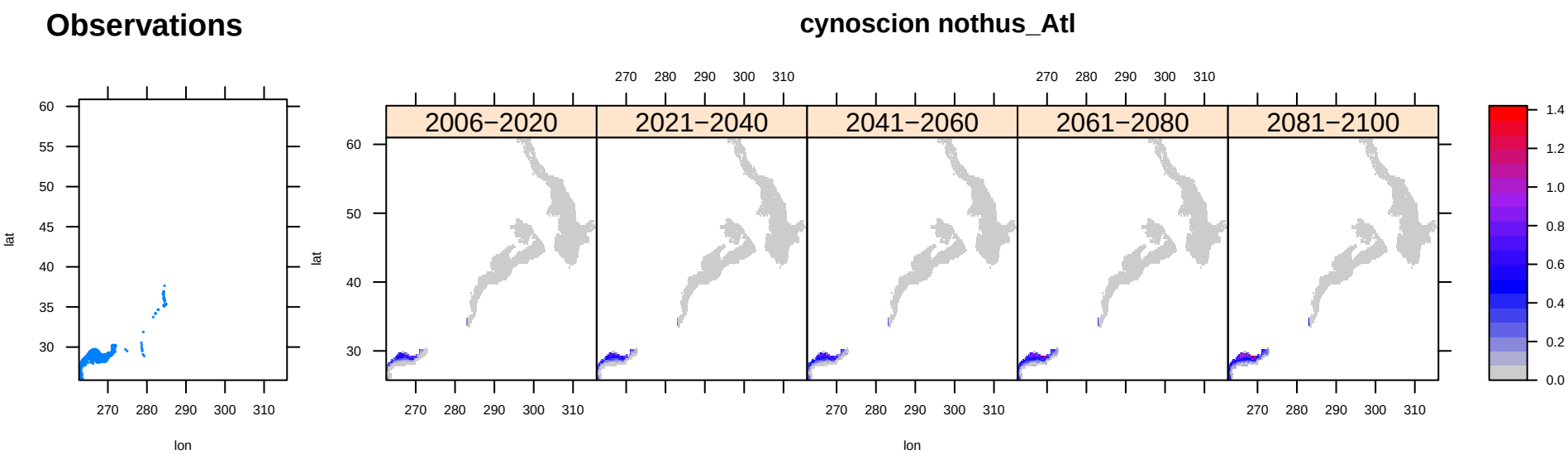
Observations
cynoscion nothus_Atl
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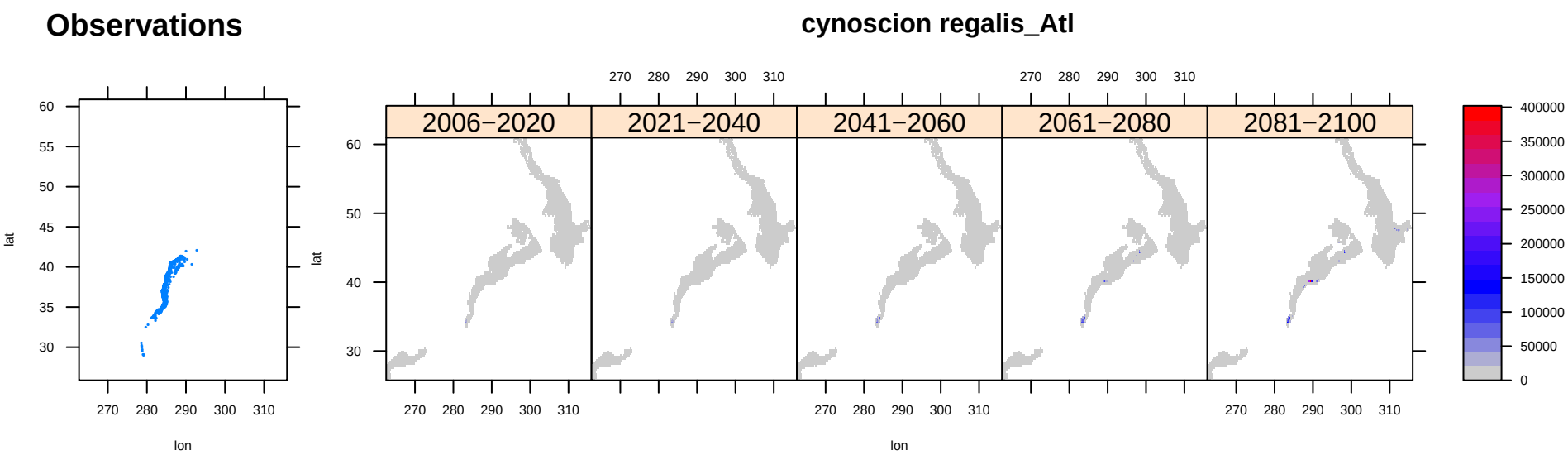
Observations
cynoscion regalis_Atl
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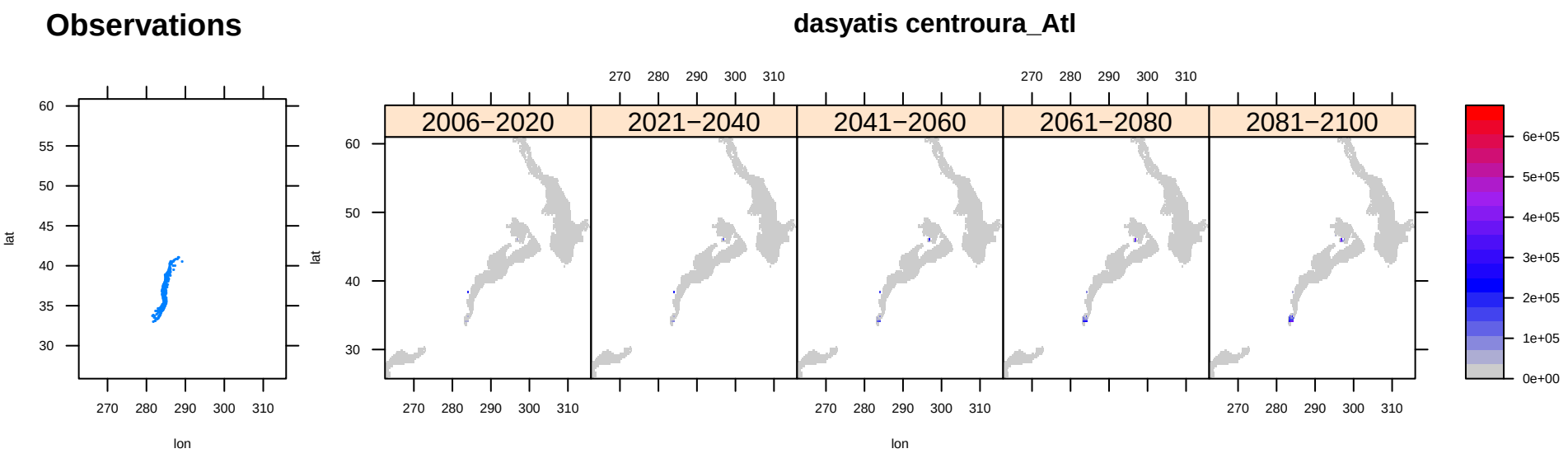
Observations
dasyatis centroura_Atl
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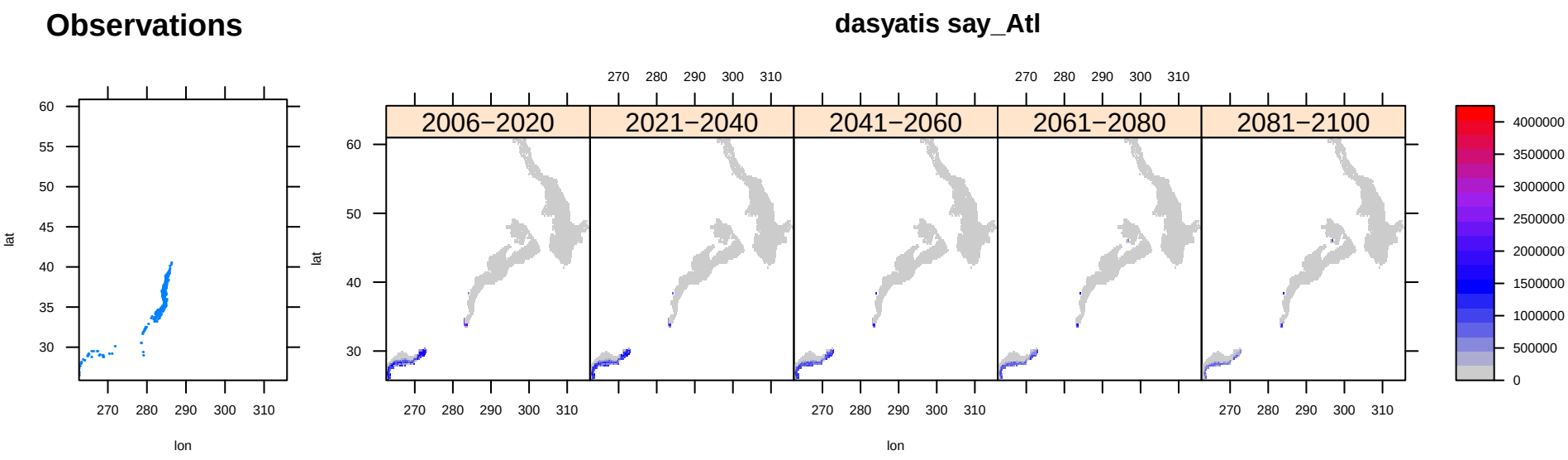
Observations
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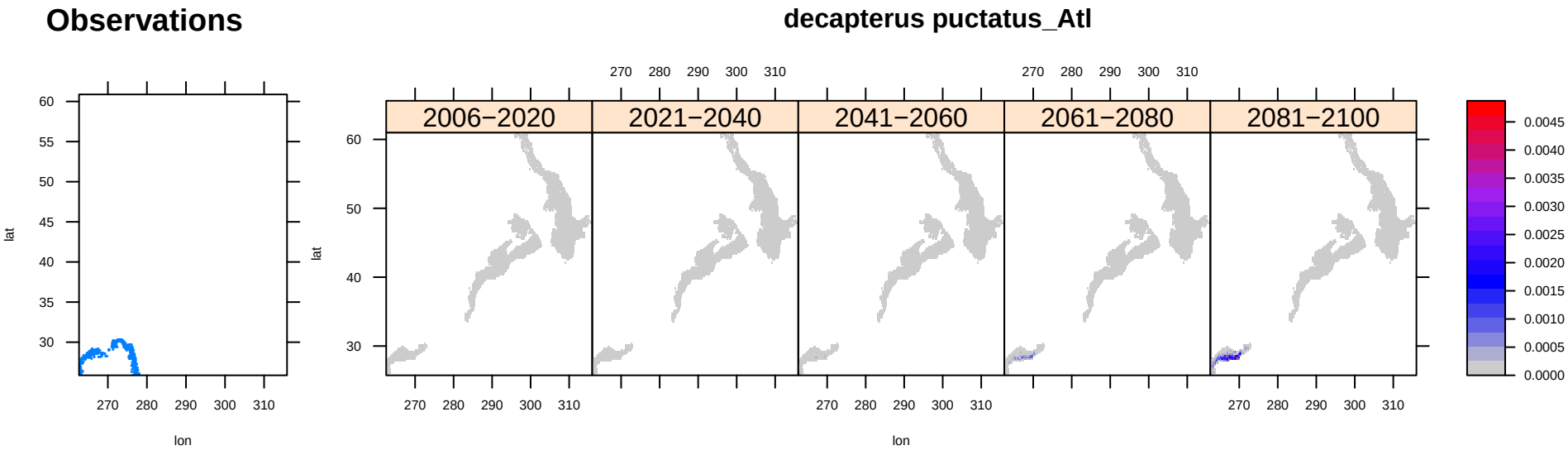
Observations
decapterus puctatus_Atl
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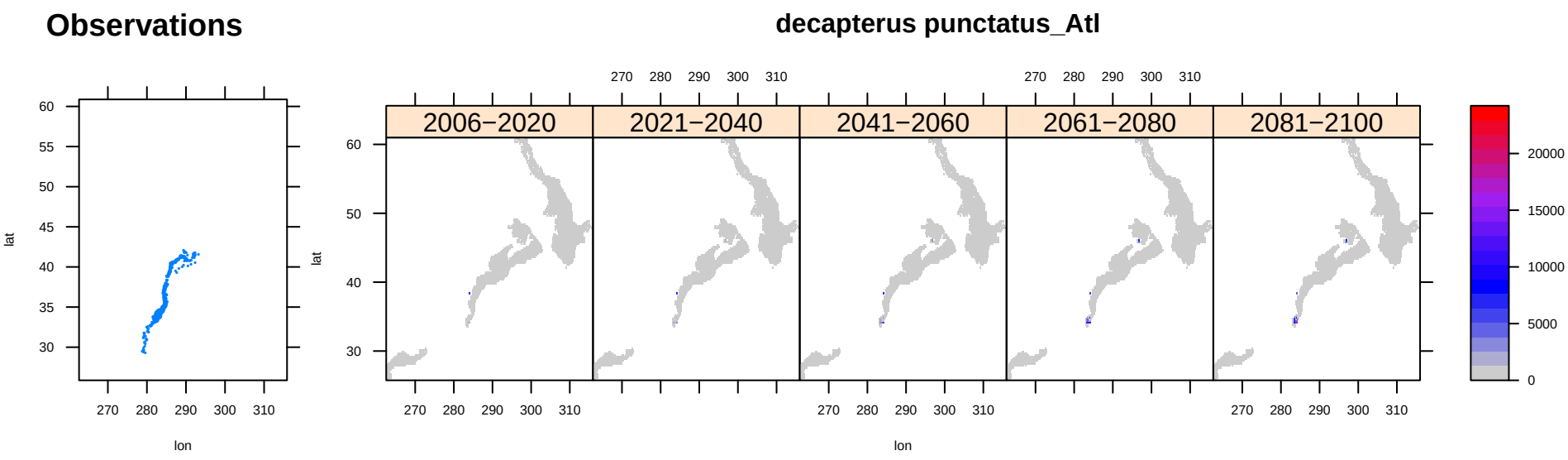
Observations
decapterus punctatus_Atl
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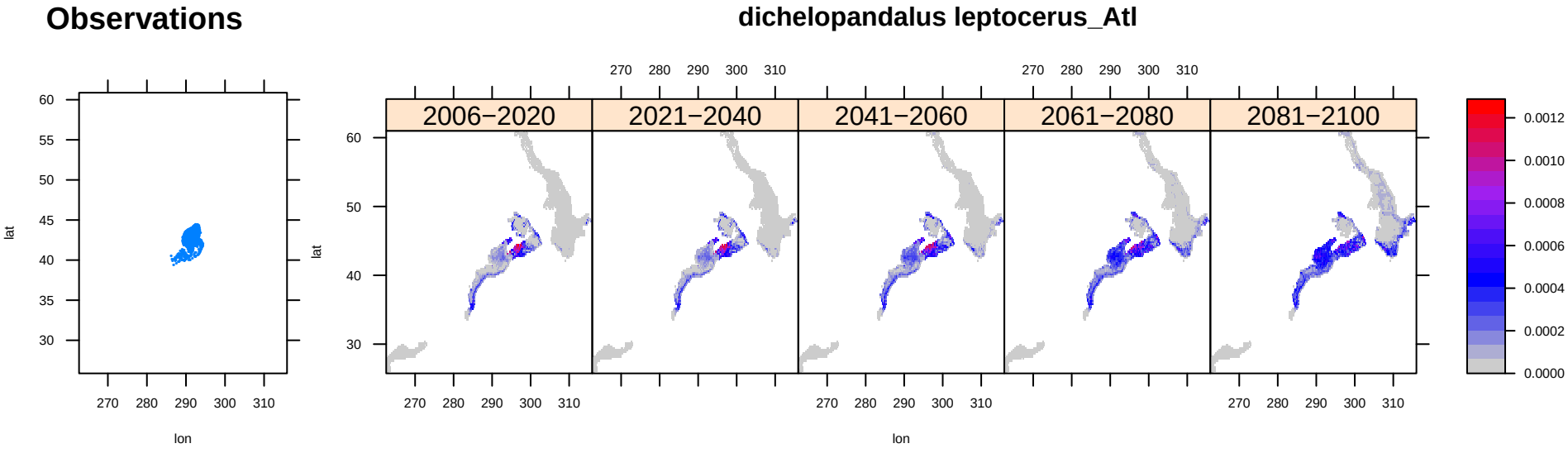
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dichelopandalus leptocerus_Atl
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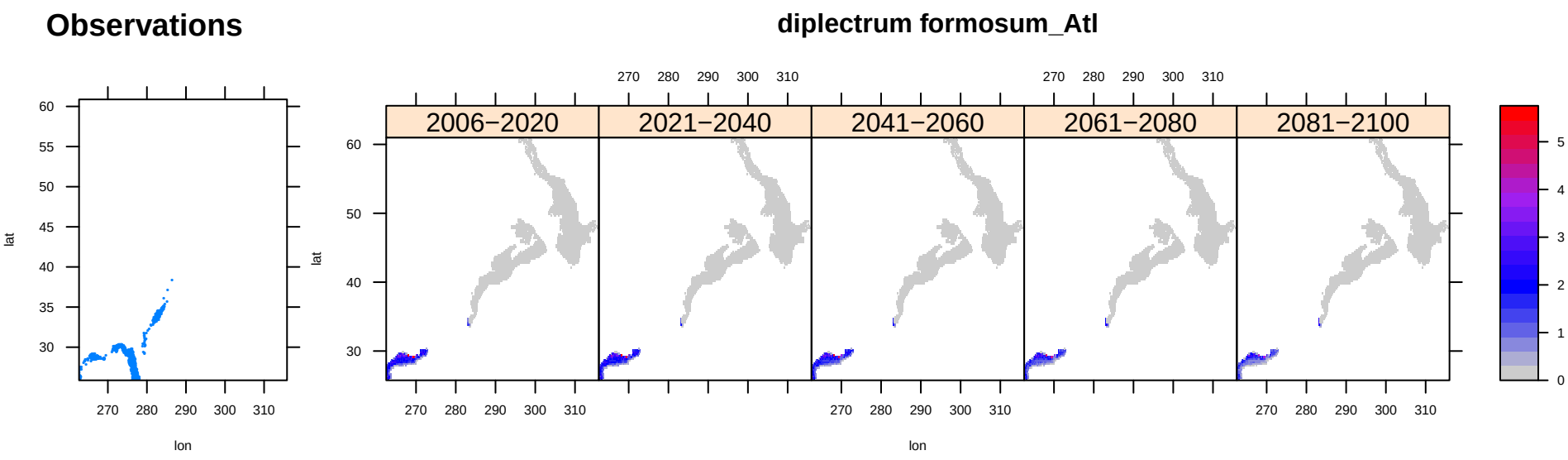
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diplectrum formosum_Atl
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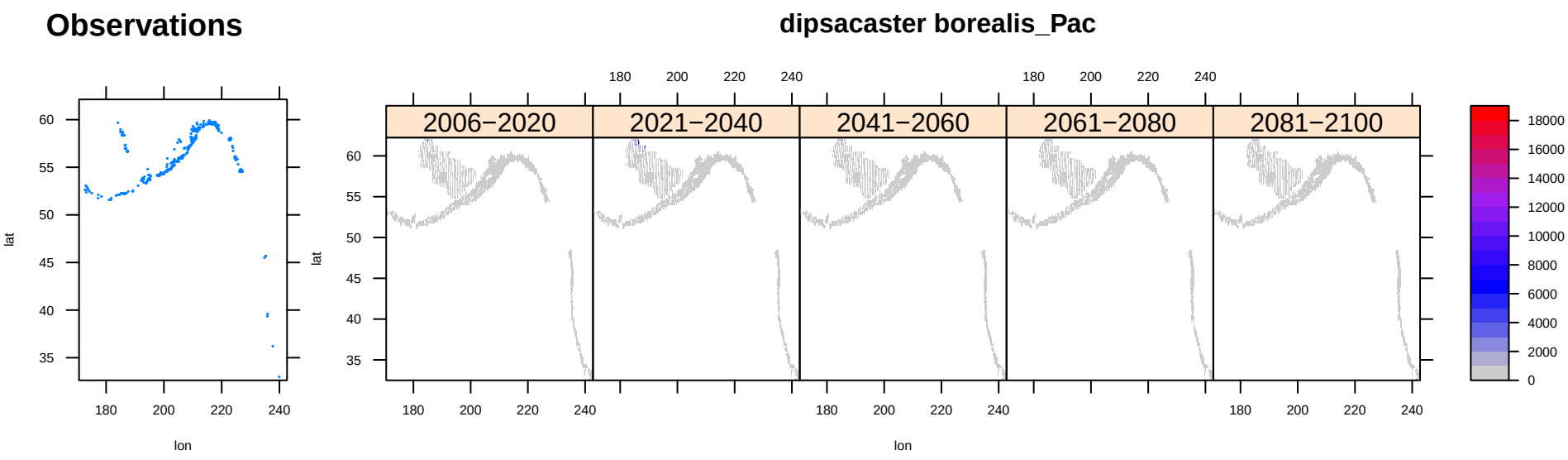
Observations
dipsacaster borealis_Pac
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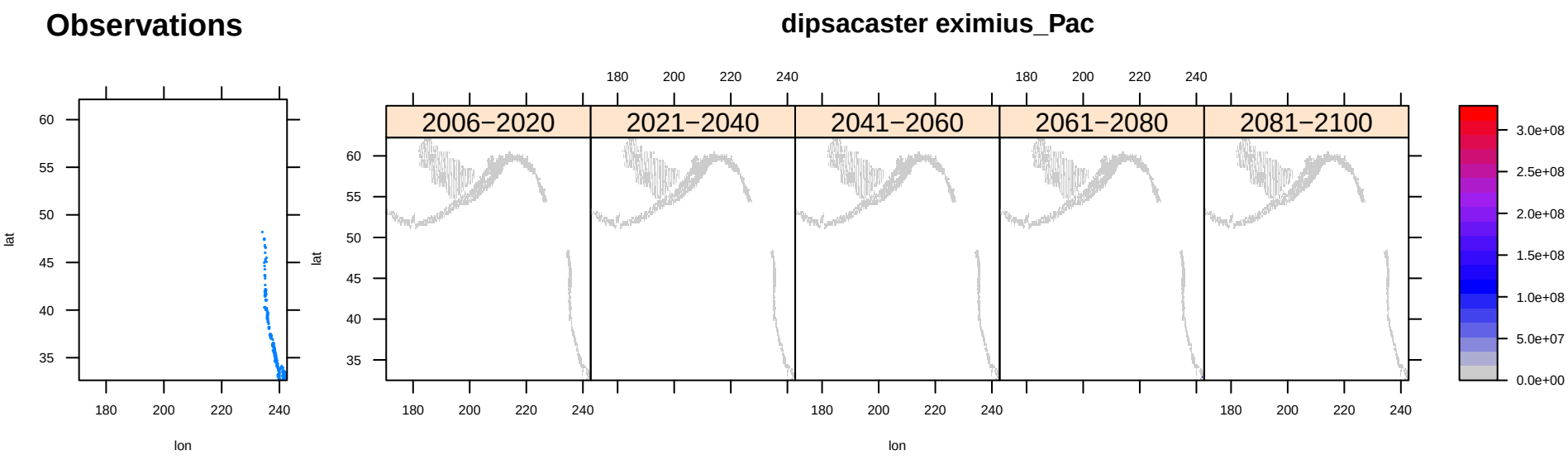
Observations
dipsacaster eximius_Pac
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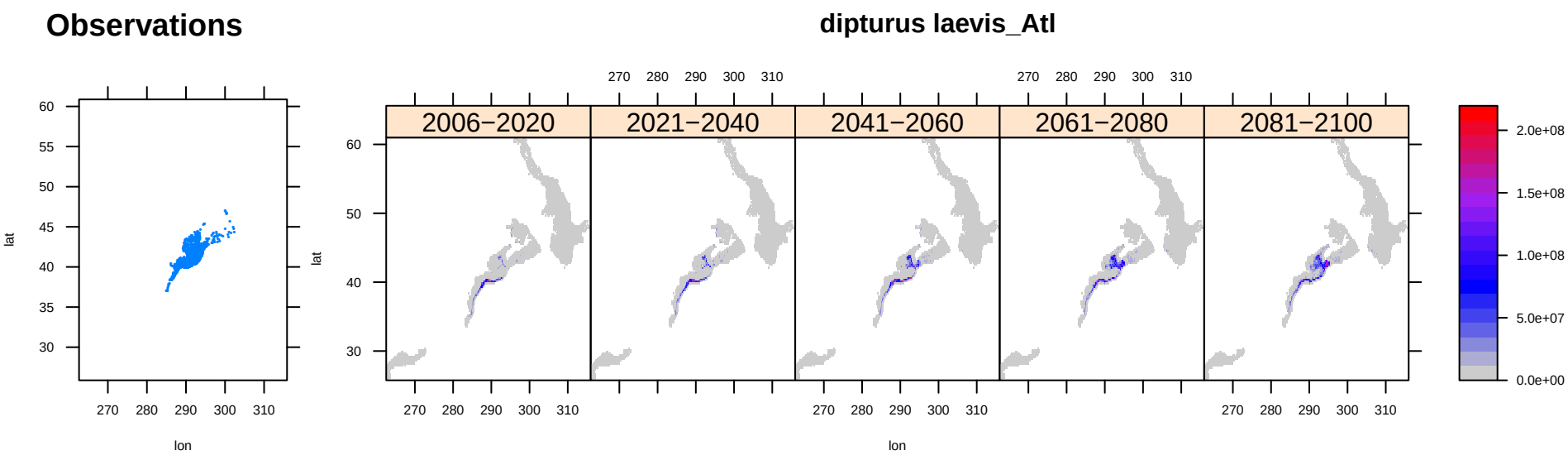
Observations
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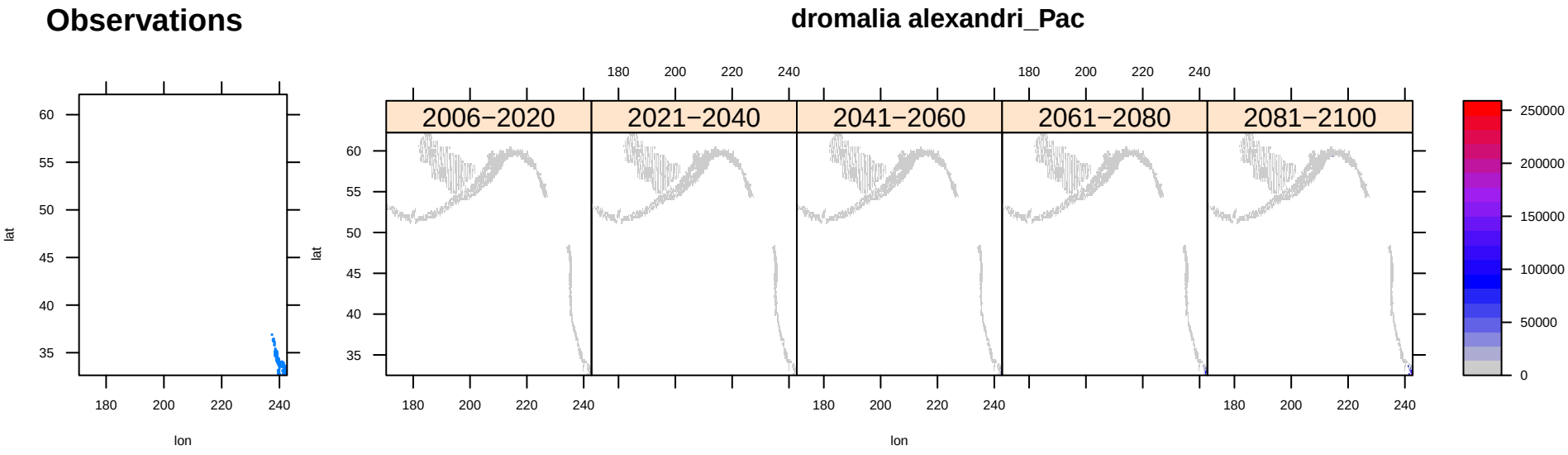
Observations
dromalia alexandri_Pac
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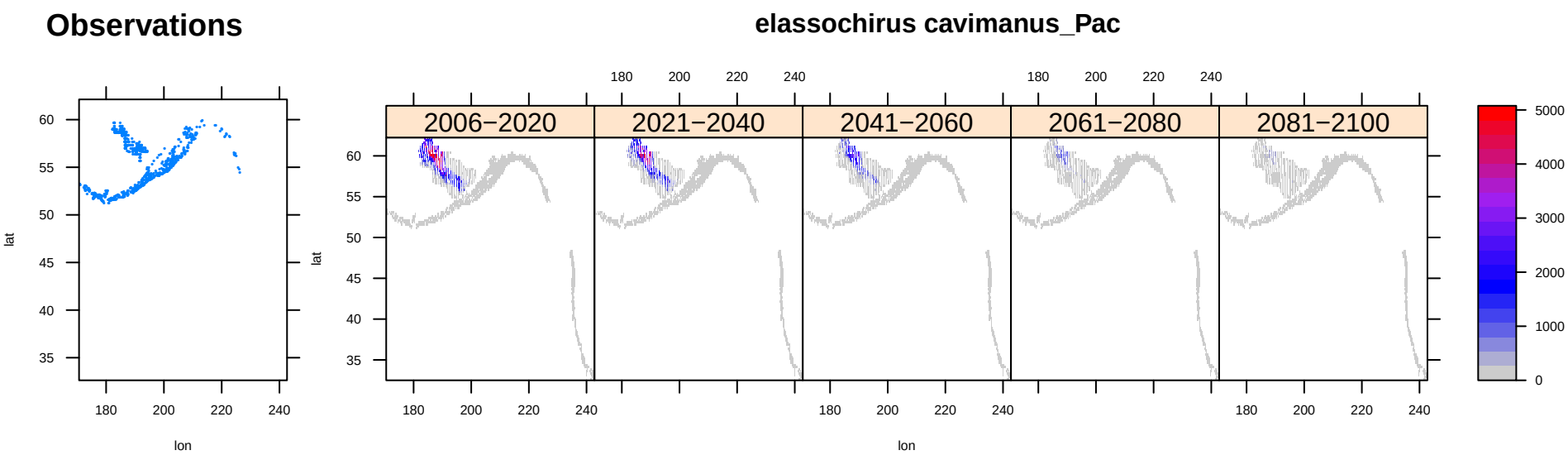
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elassochirus cavimanus_Pac
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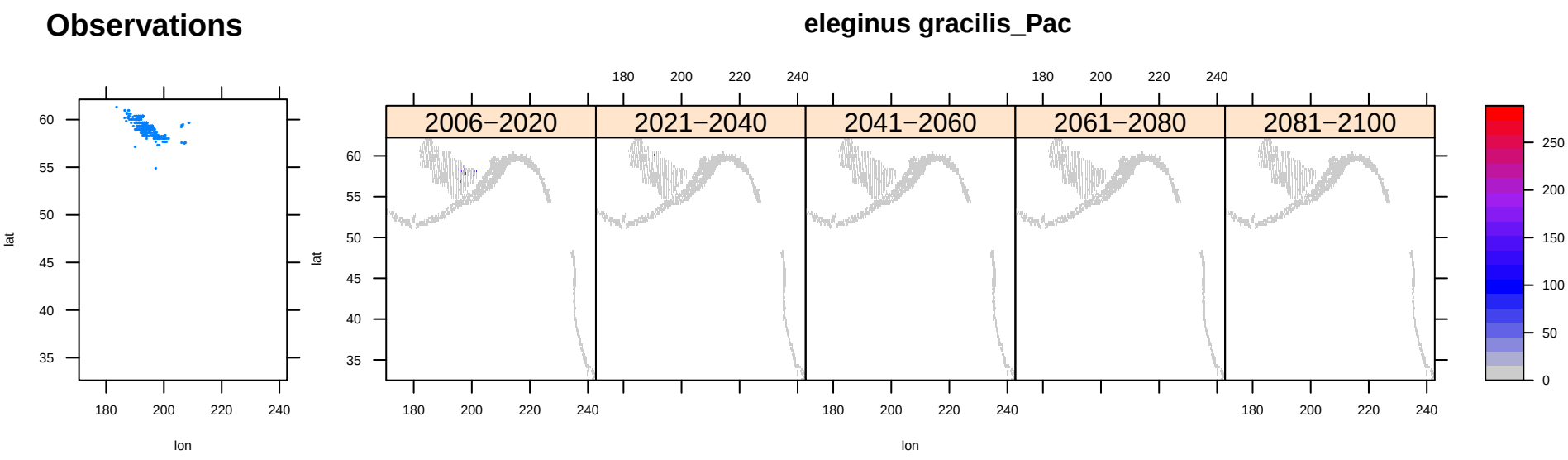
Observations
eleginus gracilis_Pac
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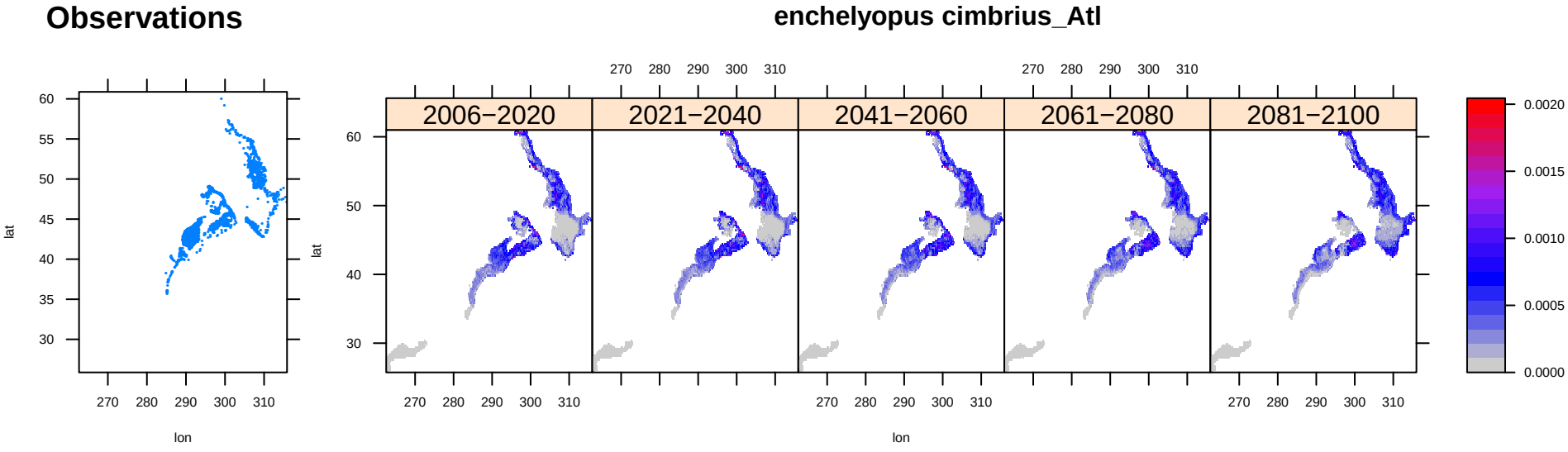
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enchelyopus cimbrius_Atl
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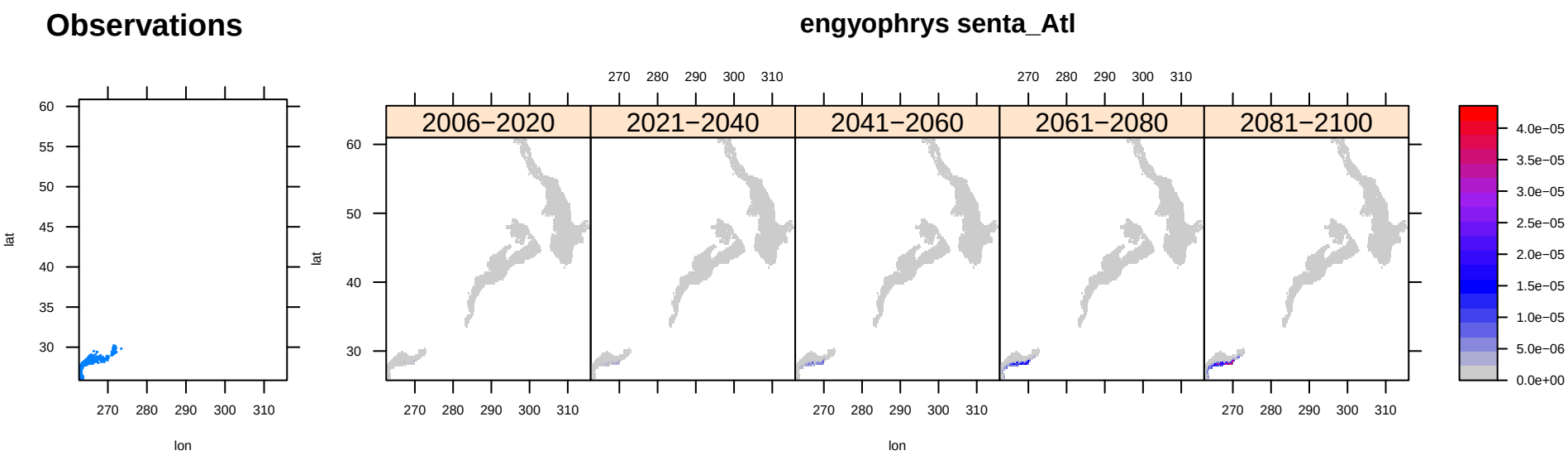
Observations
engyophrys senta_Atl
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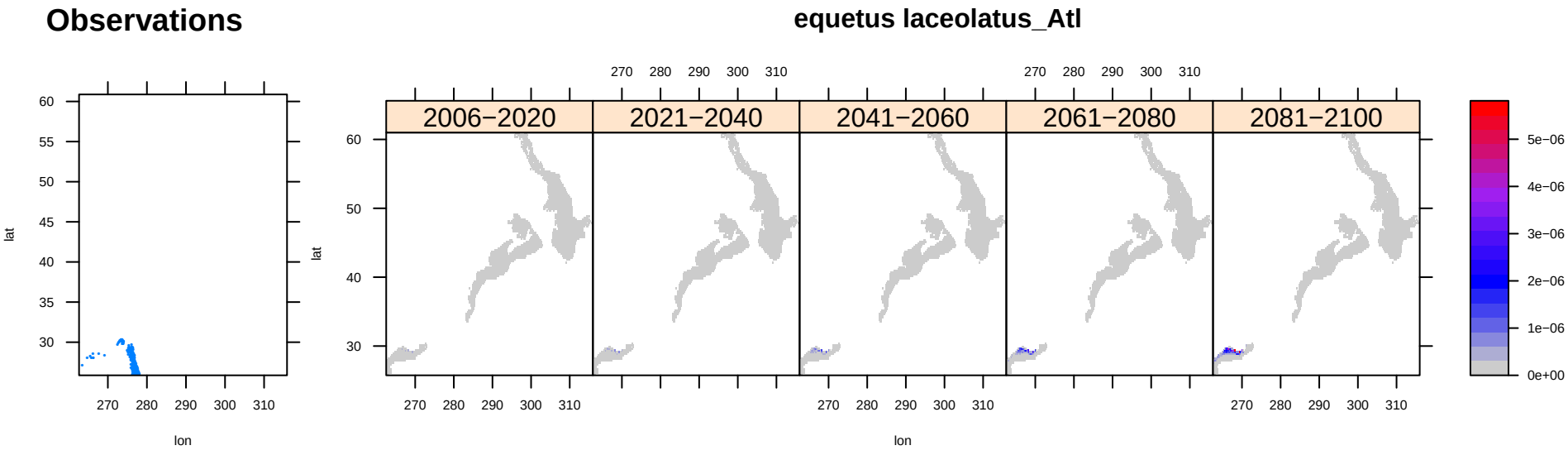
Observations
equetus laceolatus_Atl
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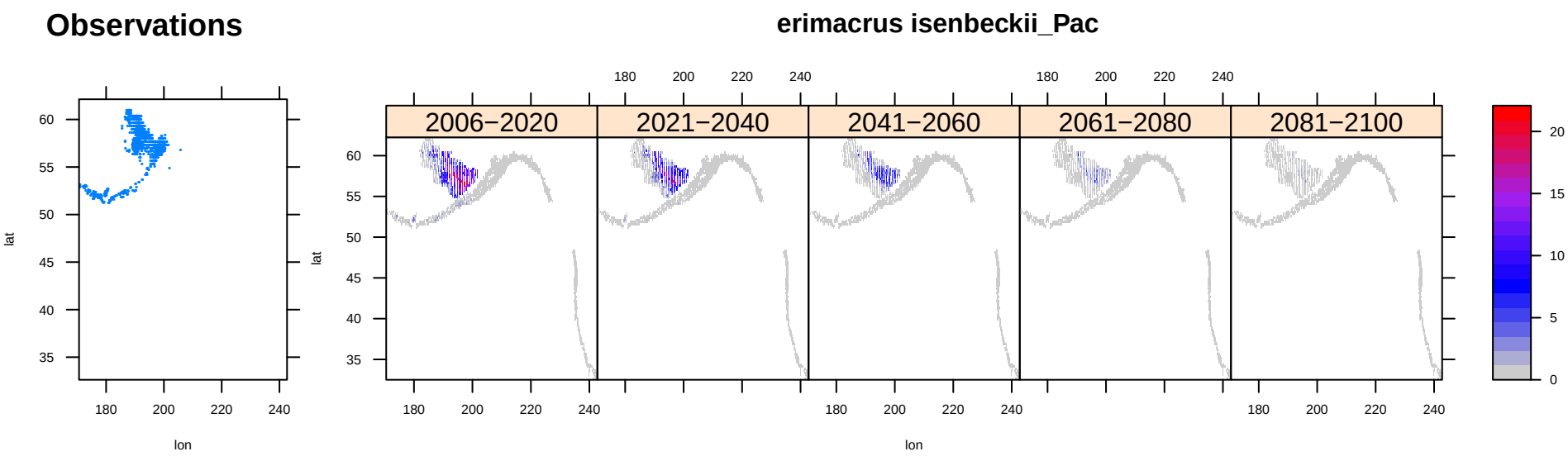
Observations
erimacrus isenbeckii_Pac
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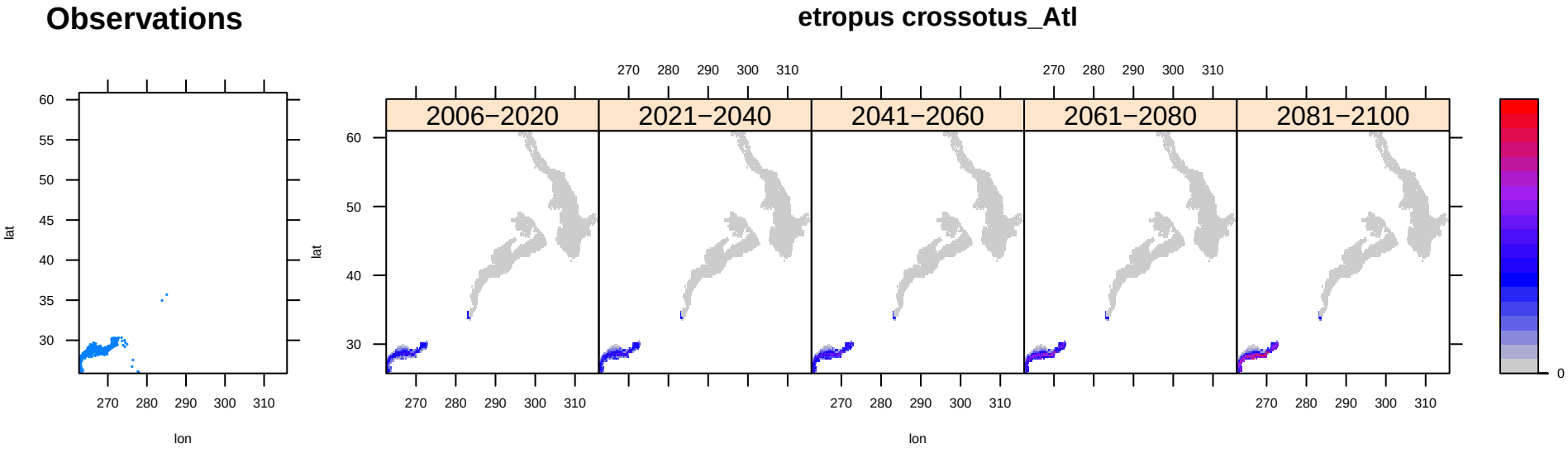
Observations
etropus crossotus_Atl
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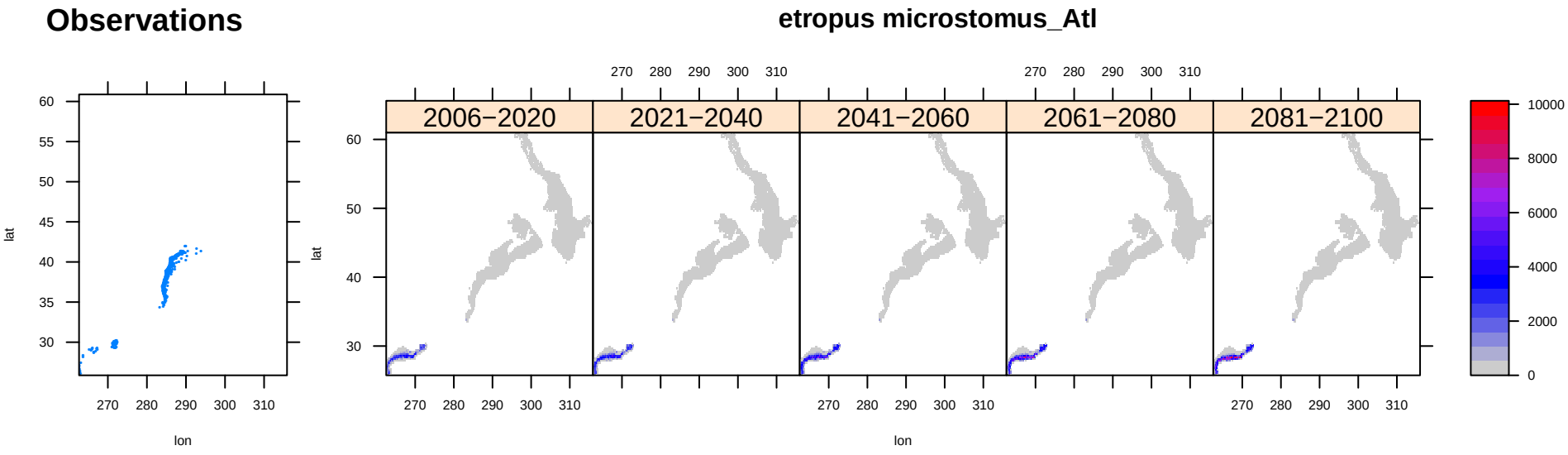
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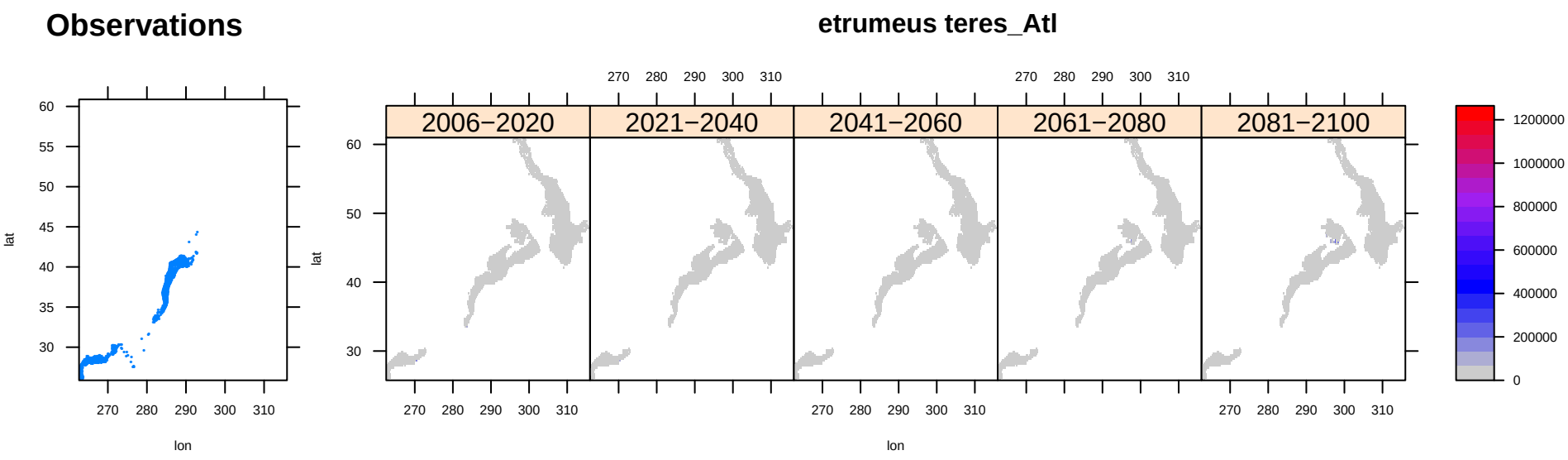
Observations
etrumeus teres_Atl
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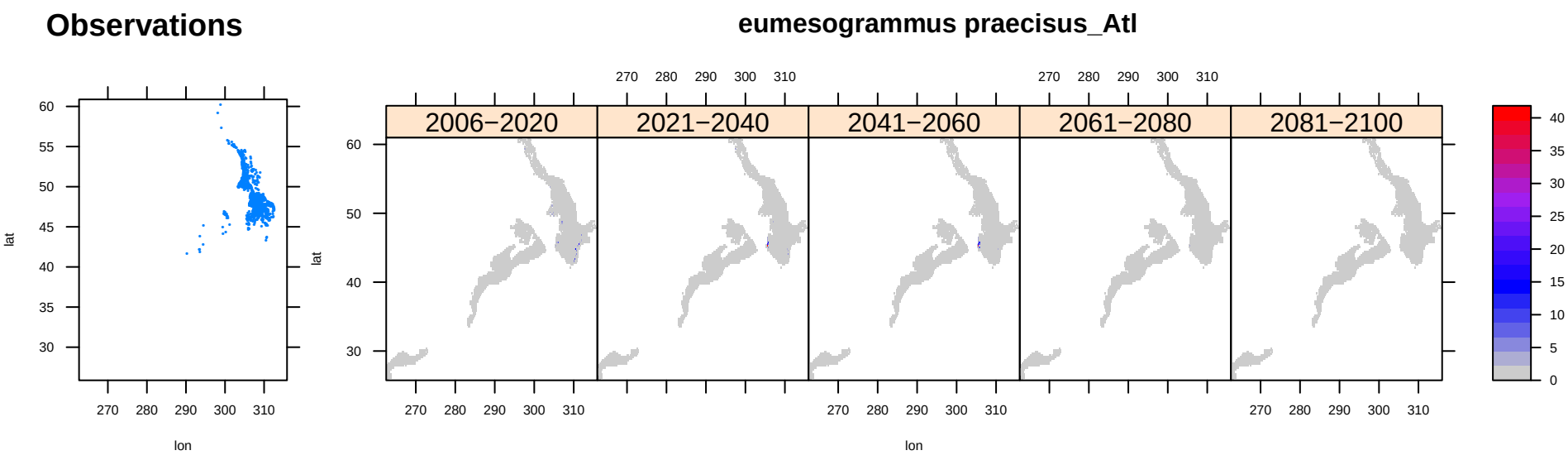
Observations
eumesogrammus praecisus_Atl
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2061−2080
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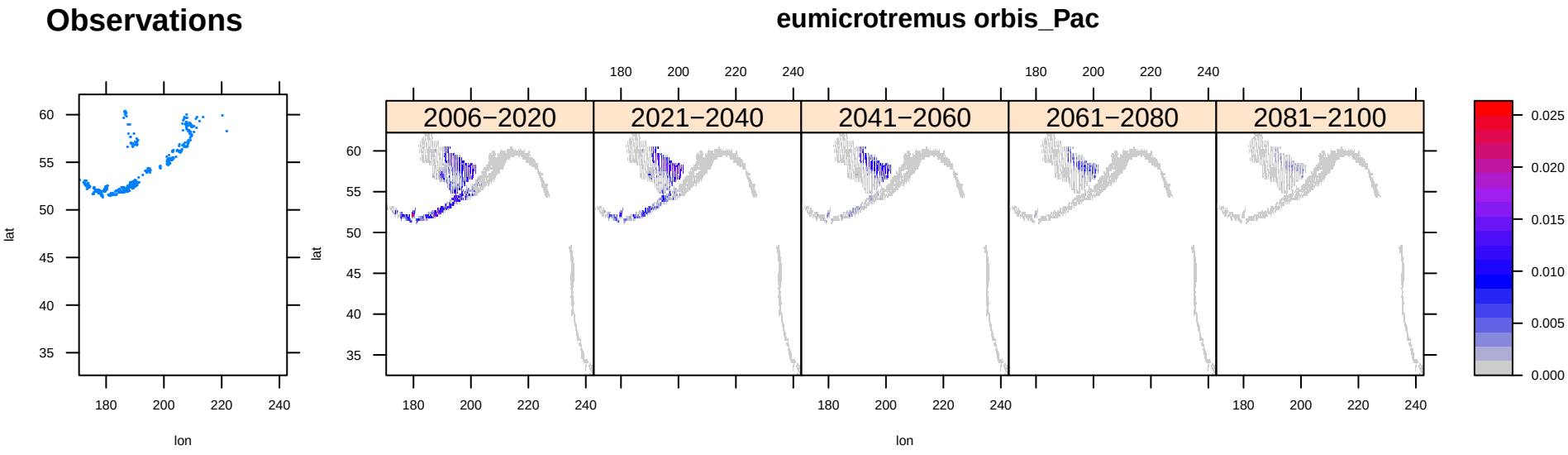
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eumicrotremus orbis_Pac
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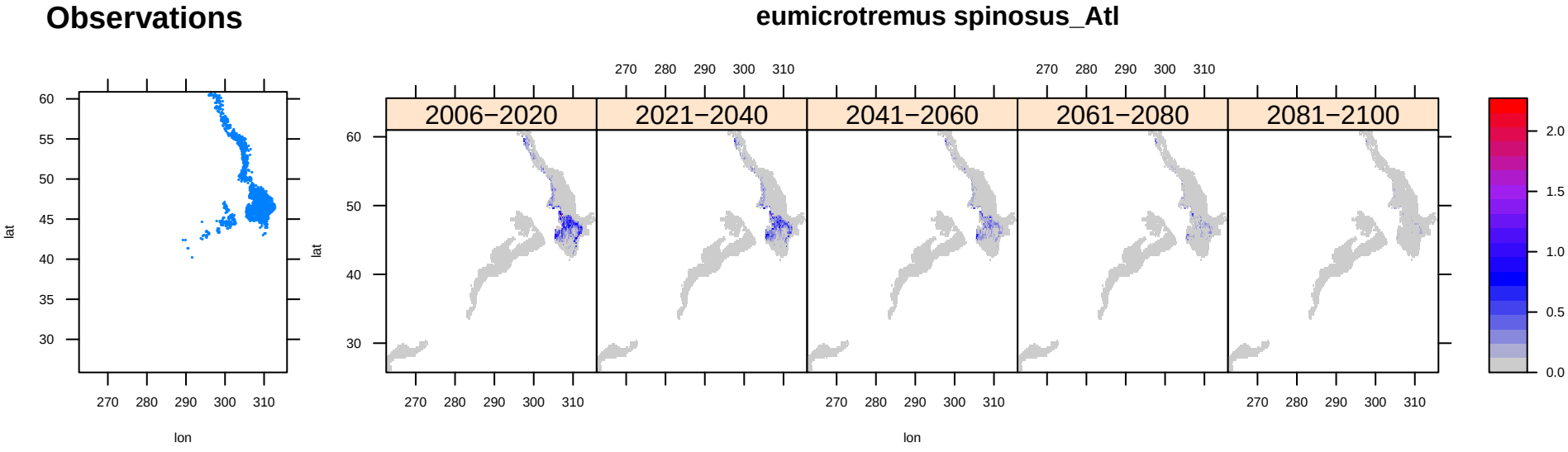
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eumicrotremus spinosus_Atl
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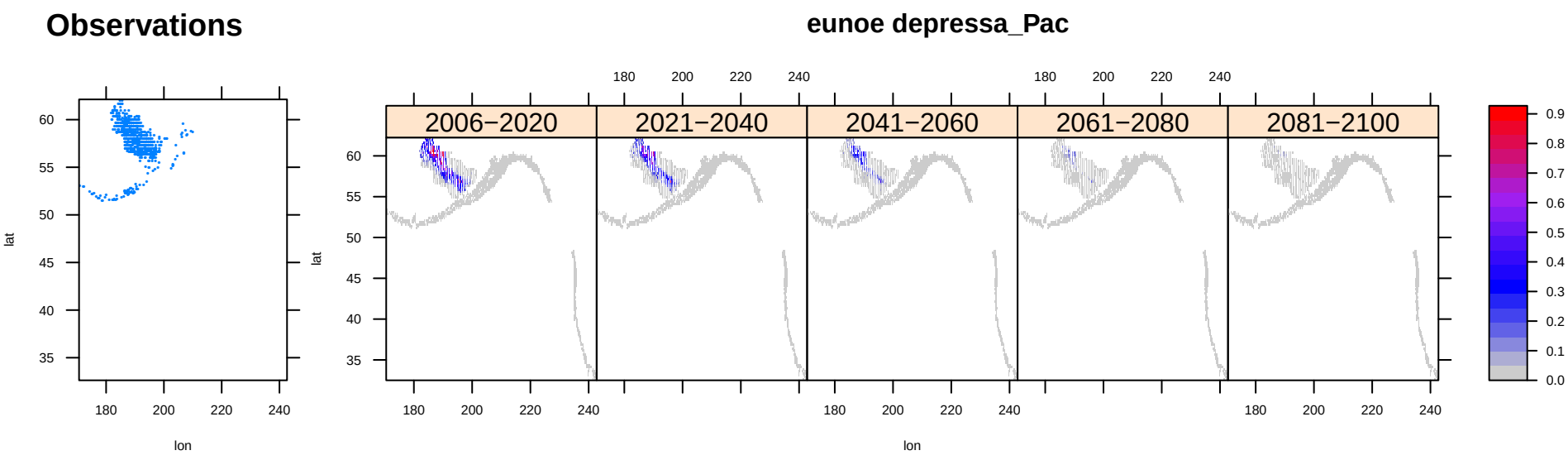
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eunoe depressa_Pac
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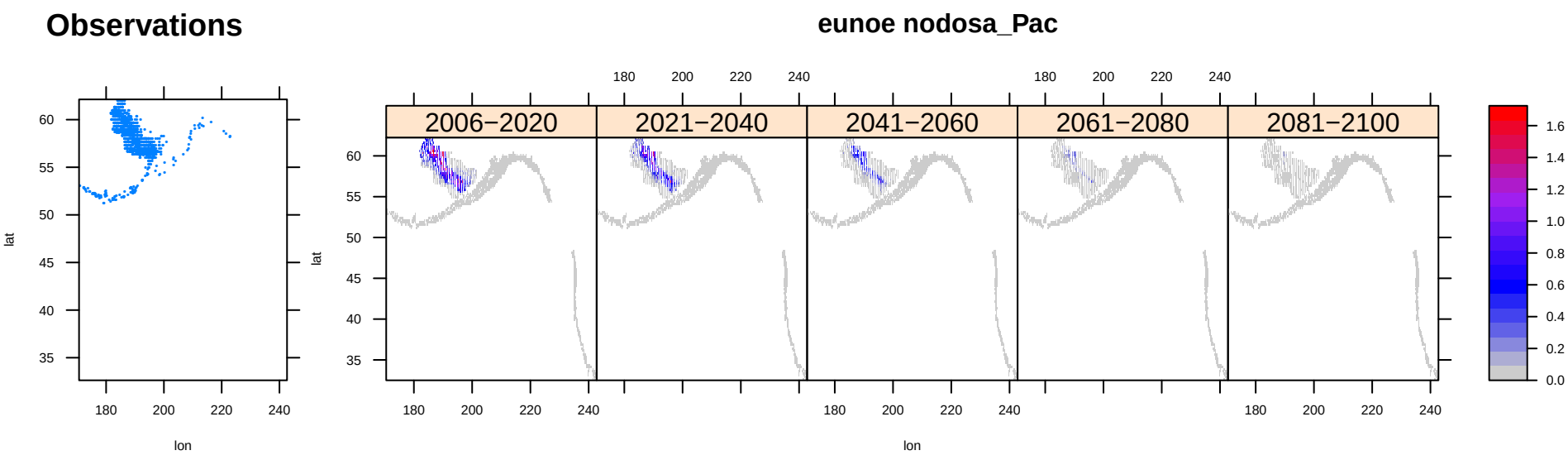
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eunoe nodosa_Pac
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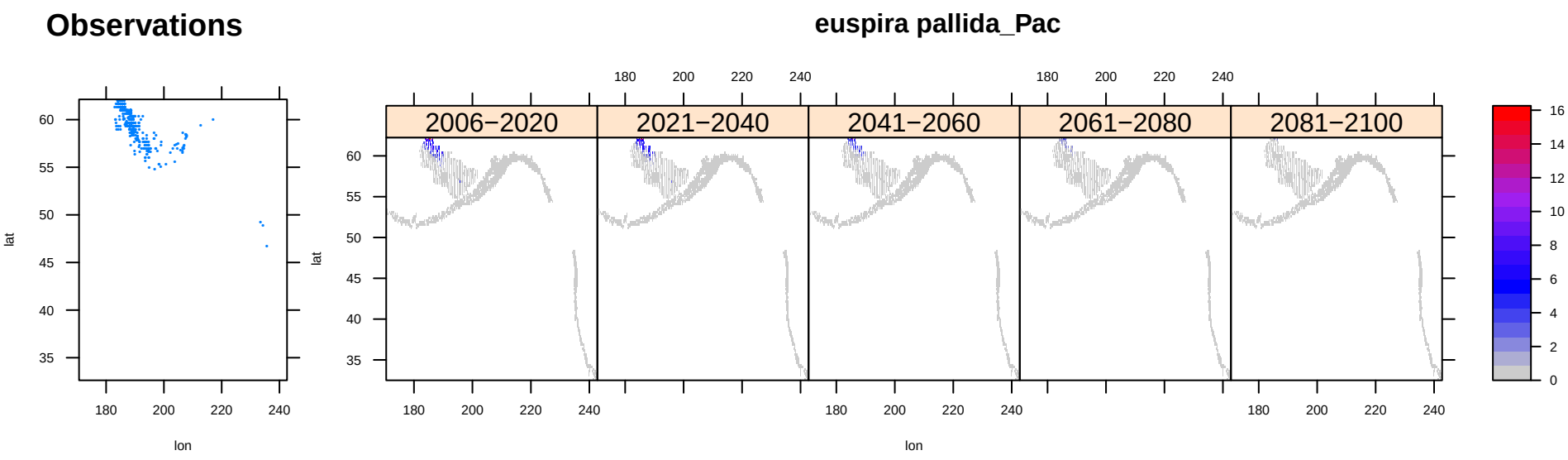
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euspira pallida_Pac
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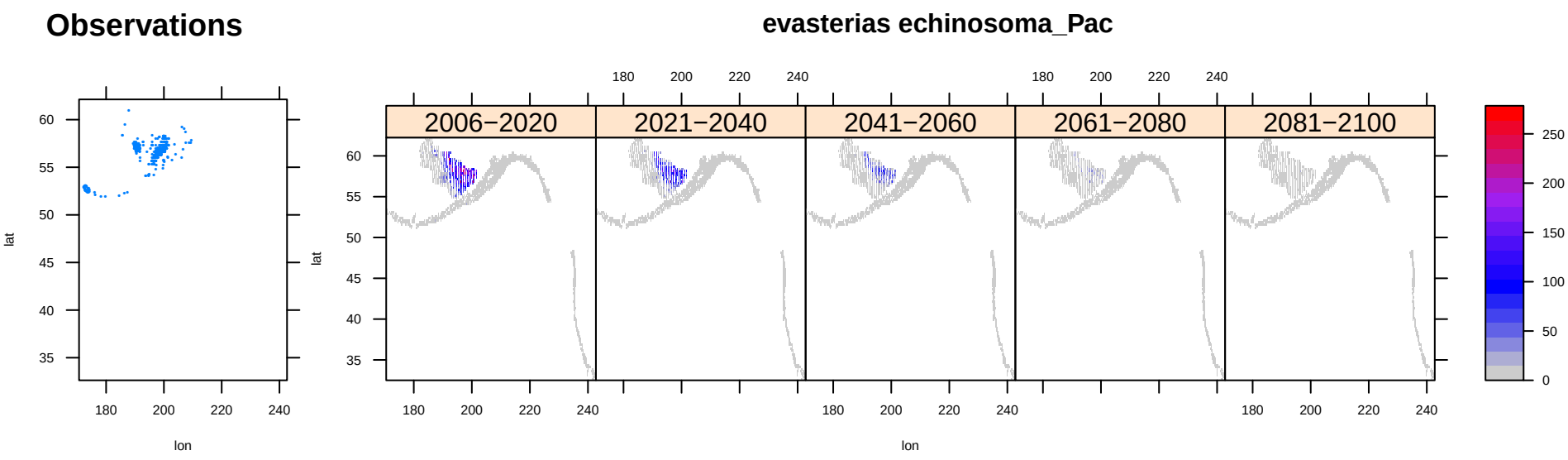
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evasterias echinosoma_Pac
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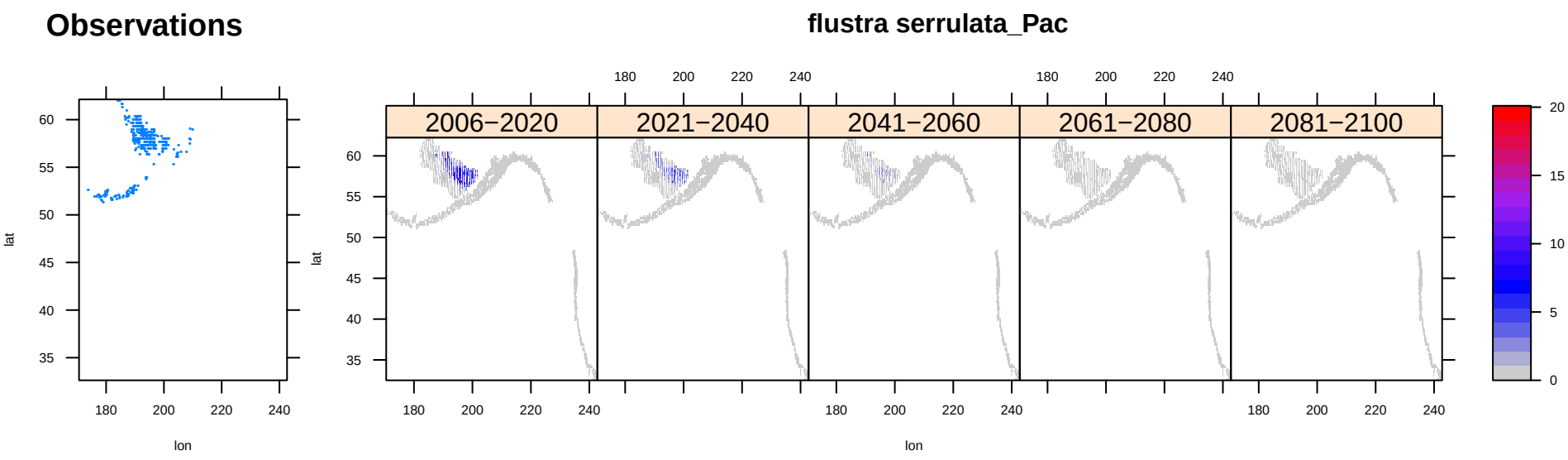
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flustra serrulata_Pac
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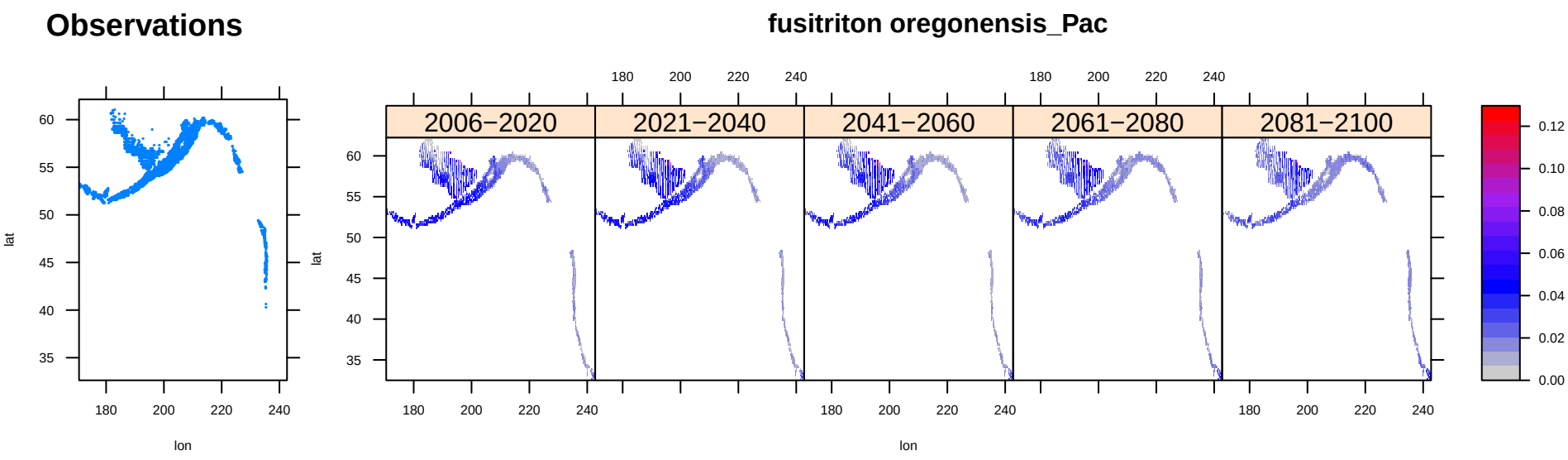
Observations
fusitriton oregonensis_Pac
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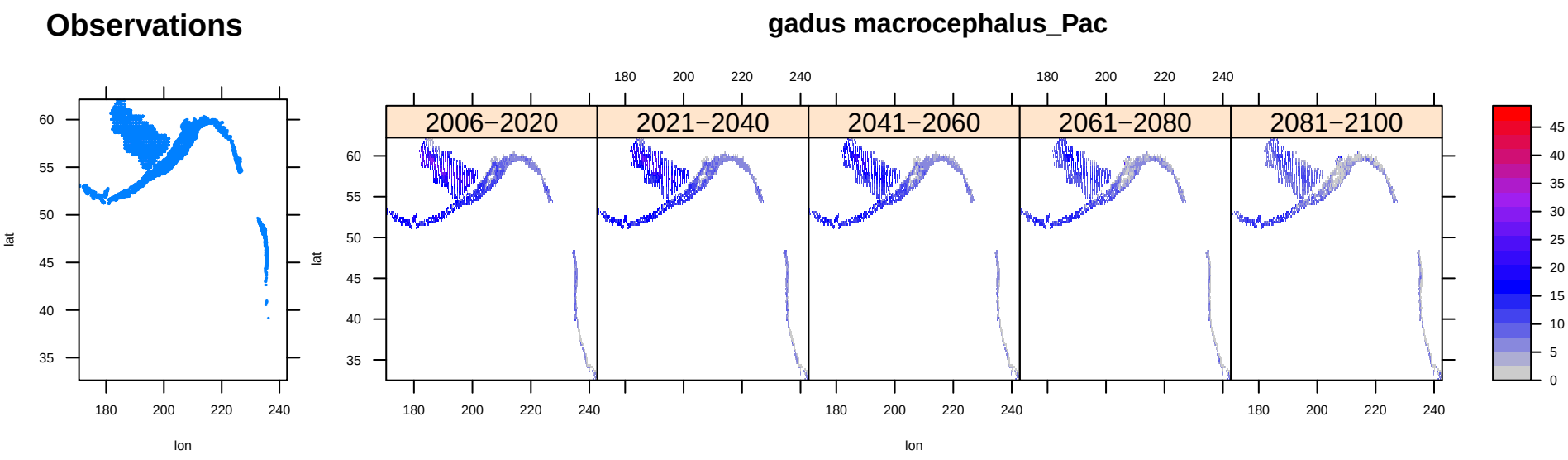
Observations
gadus macrocephalus_Pac
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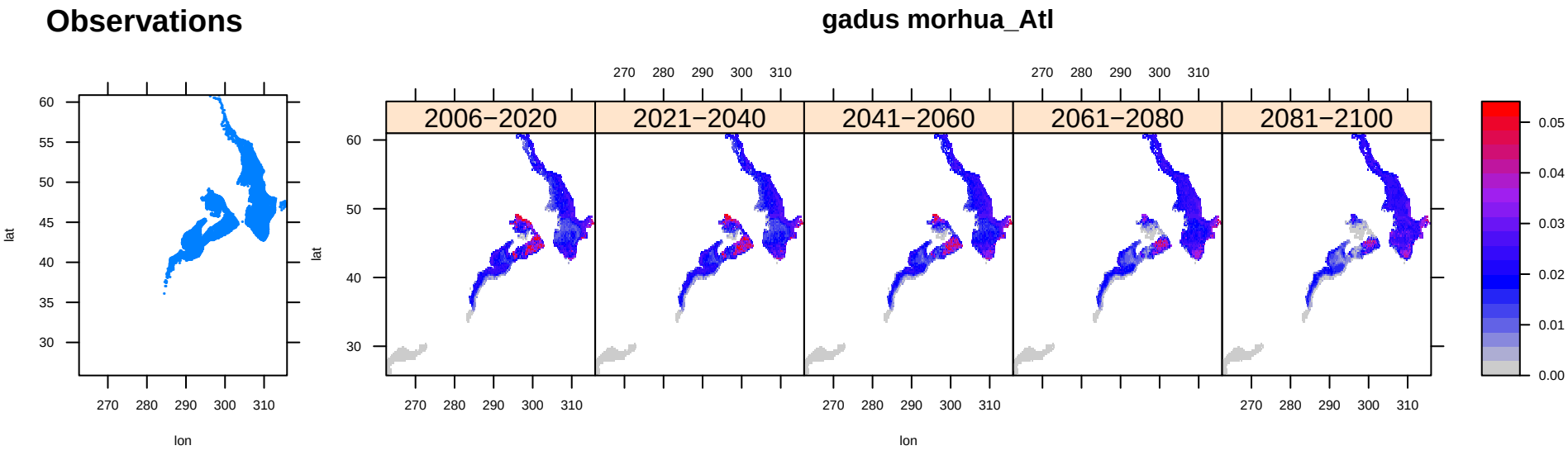
Observations
gadus morhua_Atl
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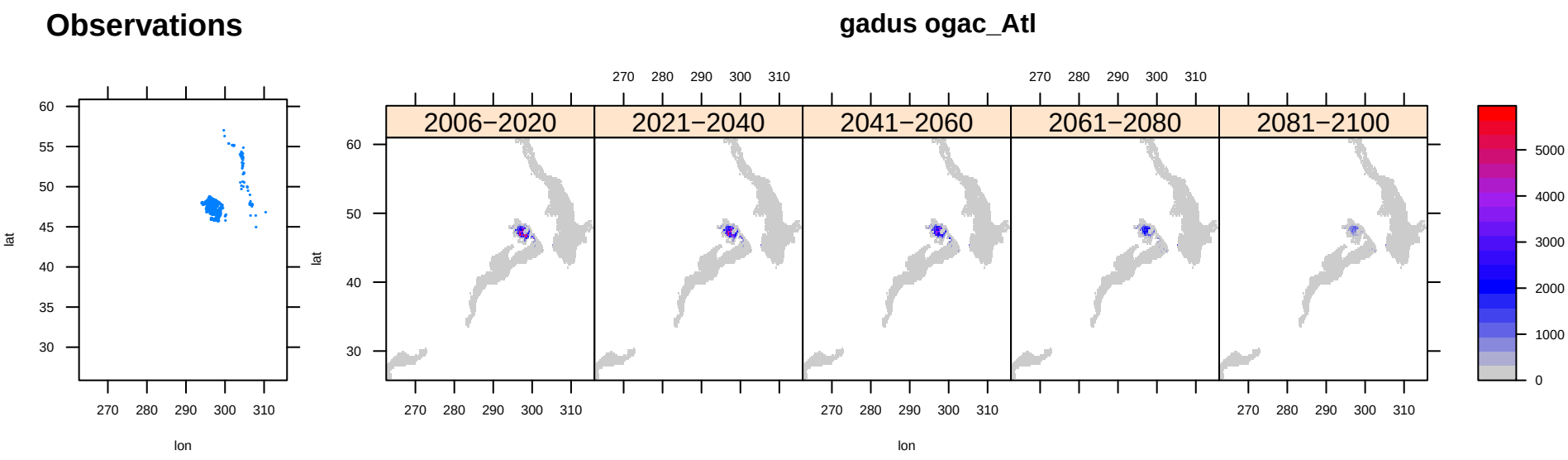
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gadus ogac_Atl
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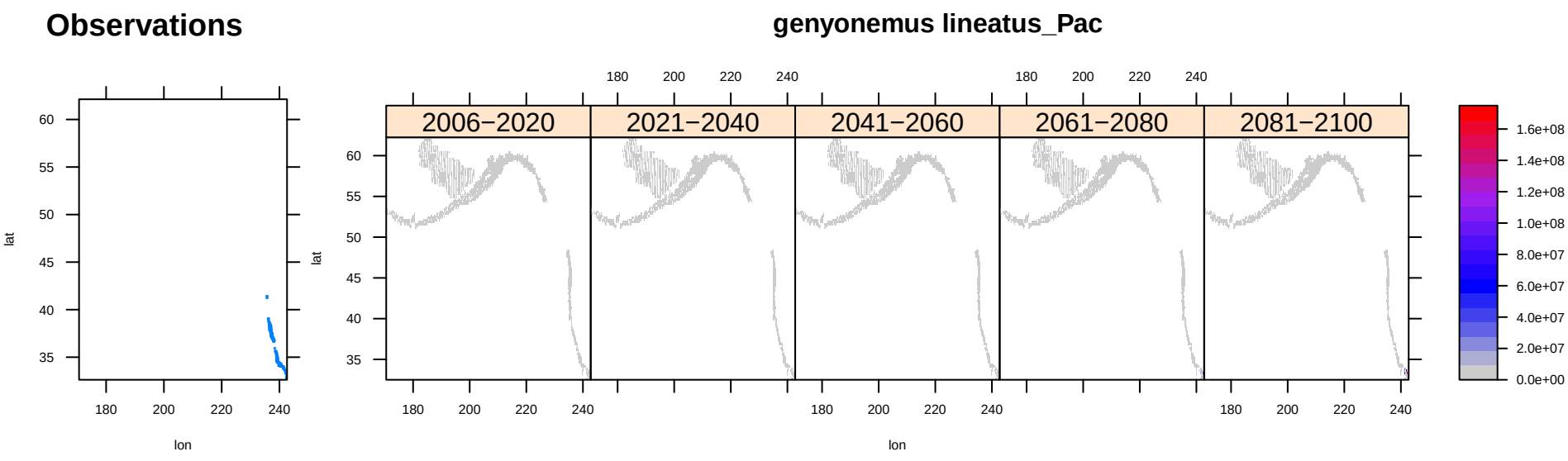
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genyonemus lineatus_Pac
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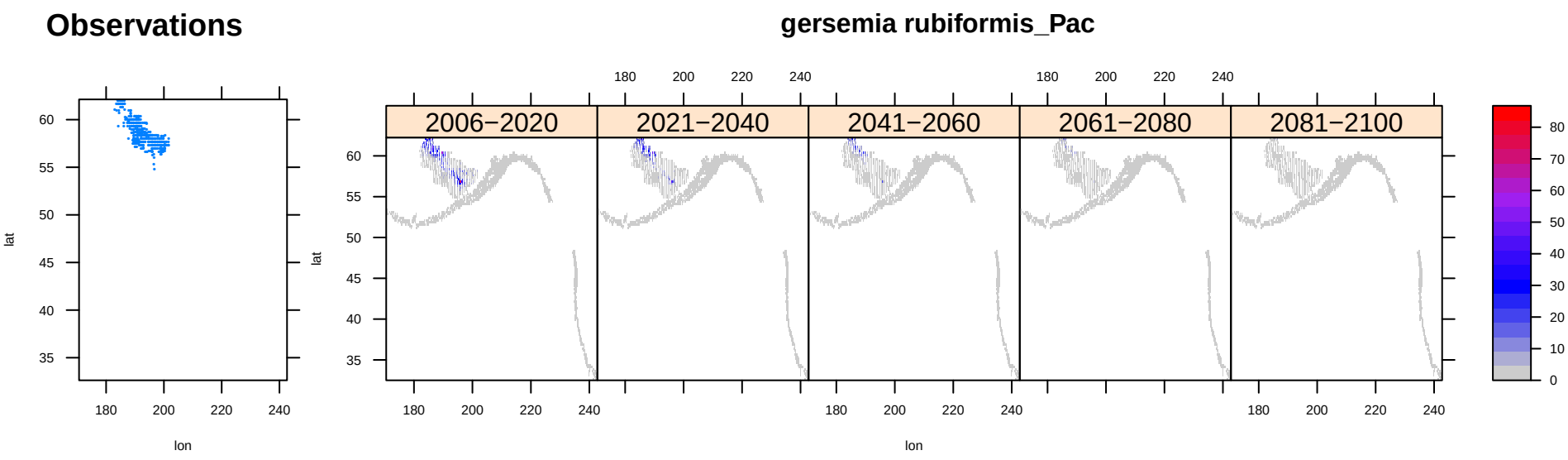
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gersemia rubiformis_Pac
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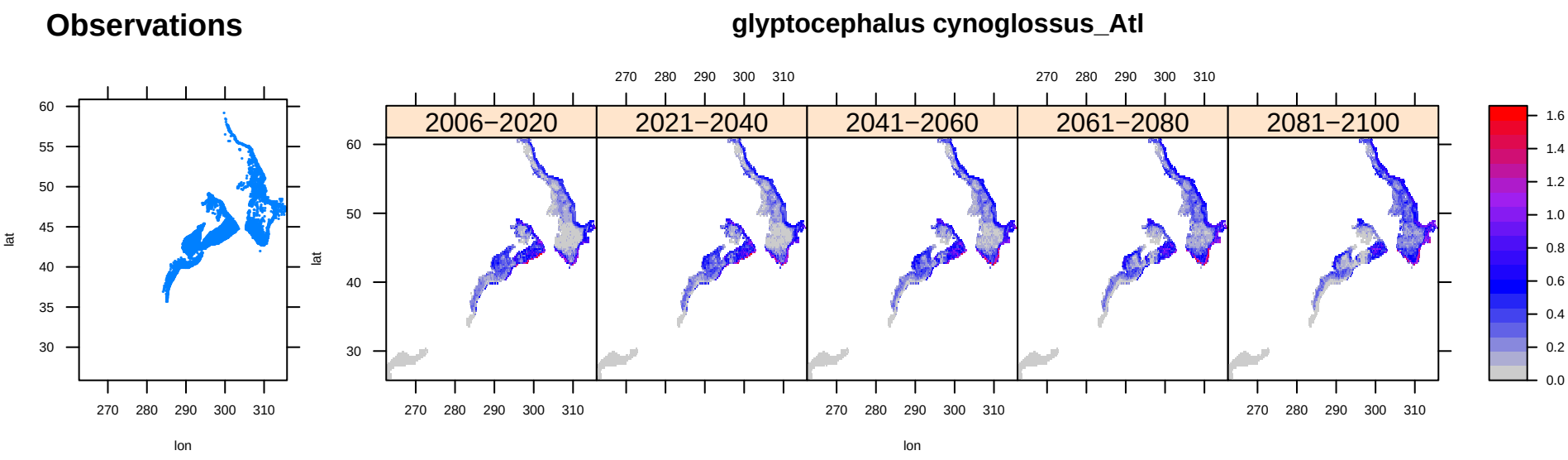
Observations
glyptocephalus cynoglossus_Atl
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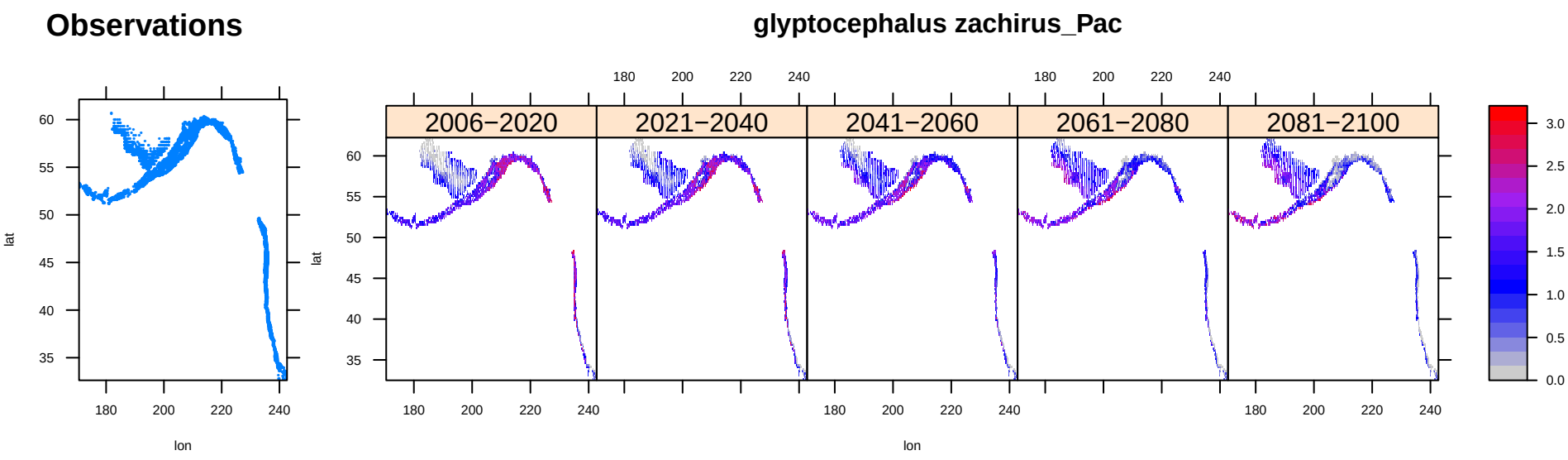
Observations
glyptocephalus zachirus_Pac
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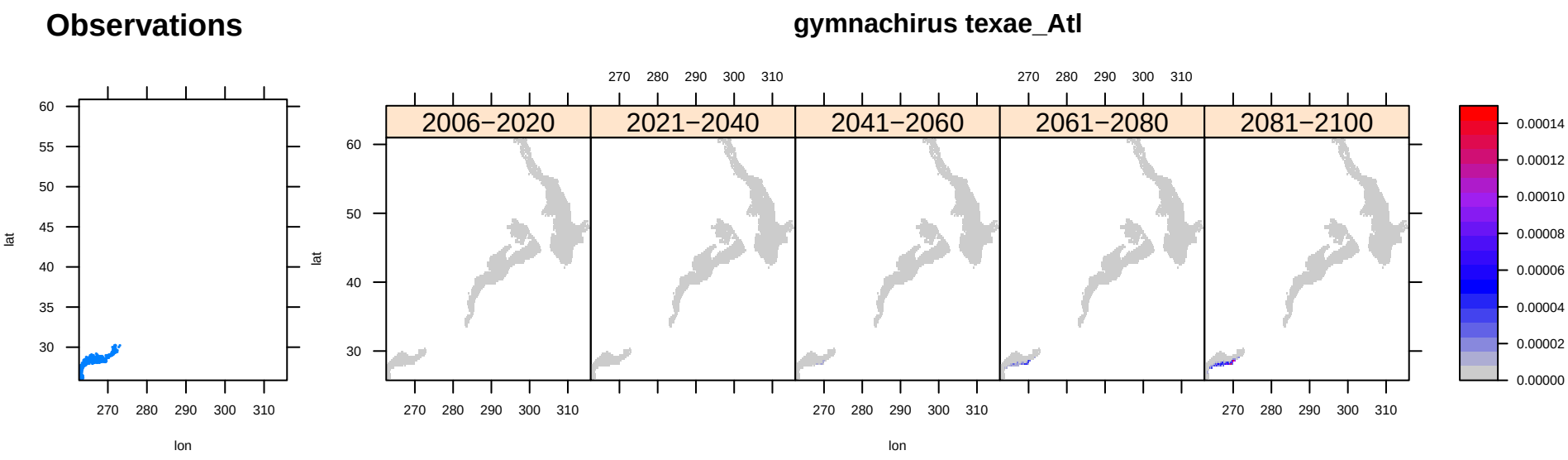
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gymnachirus texae_Atl
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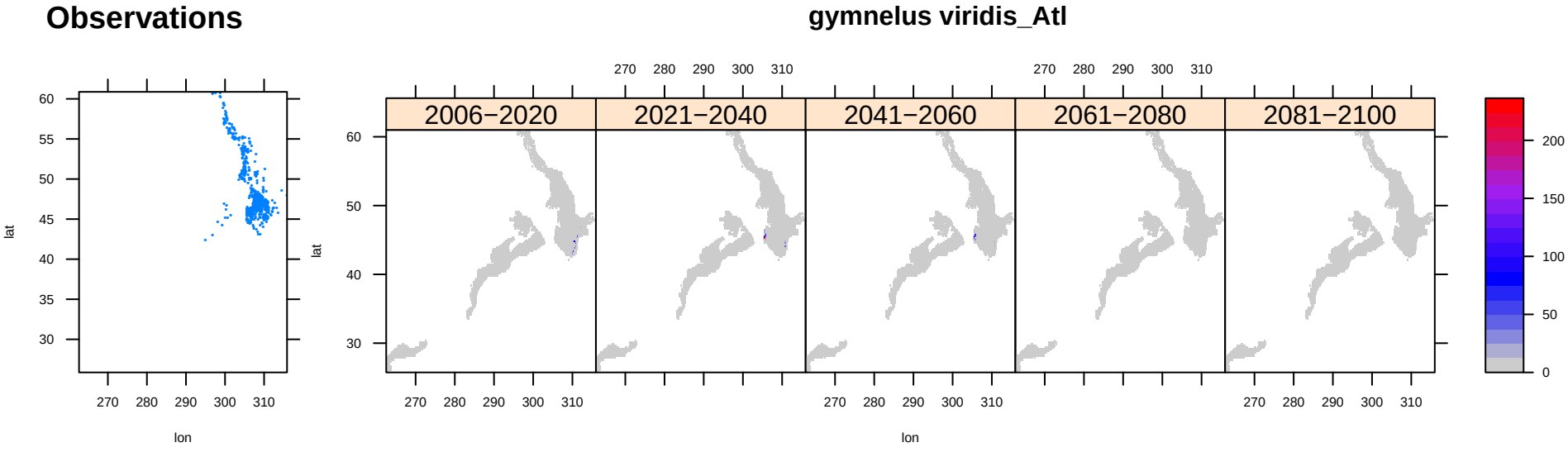
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gymnelus viridis_Atl
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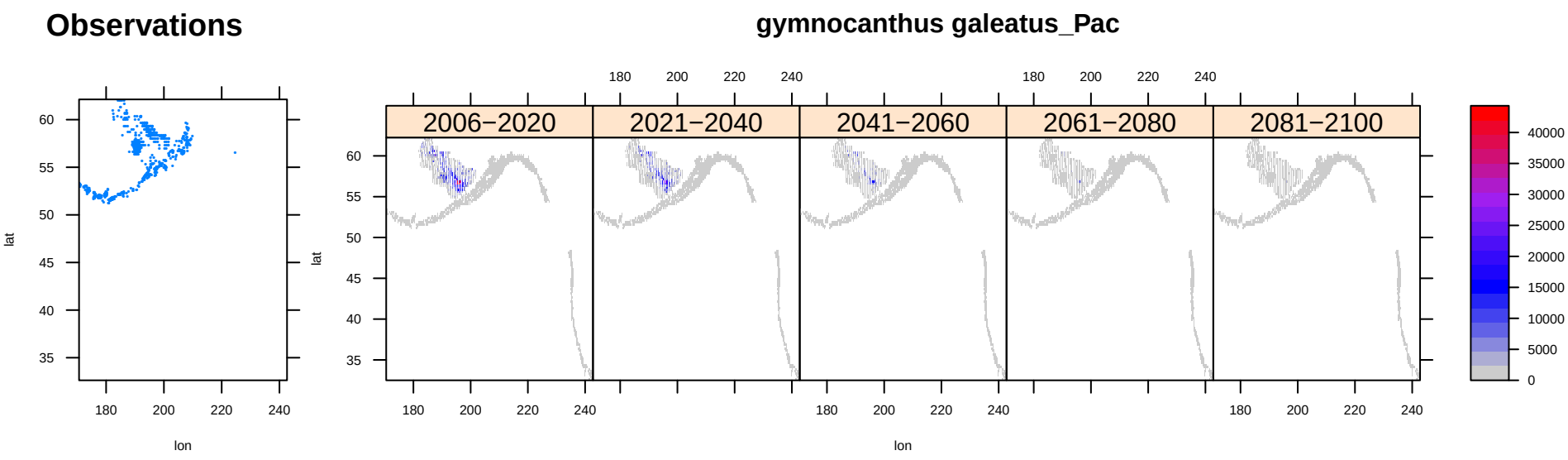
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gymnocanthus galeatus_Pac
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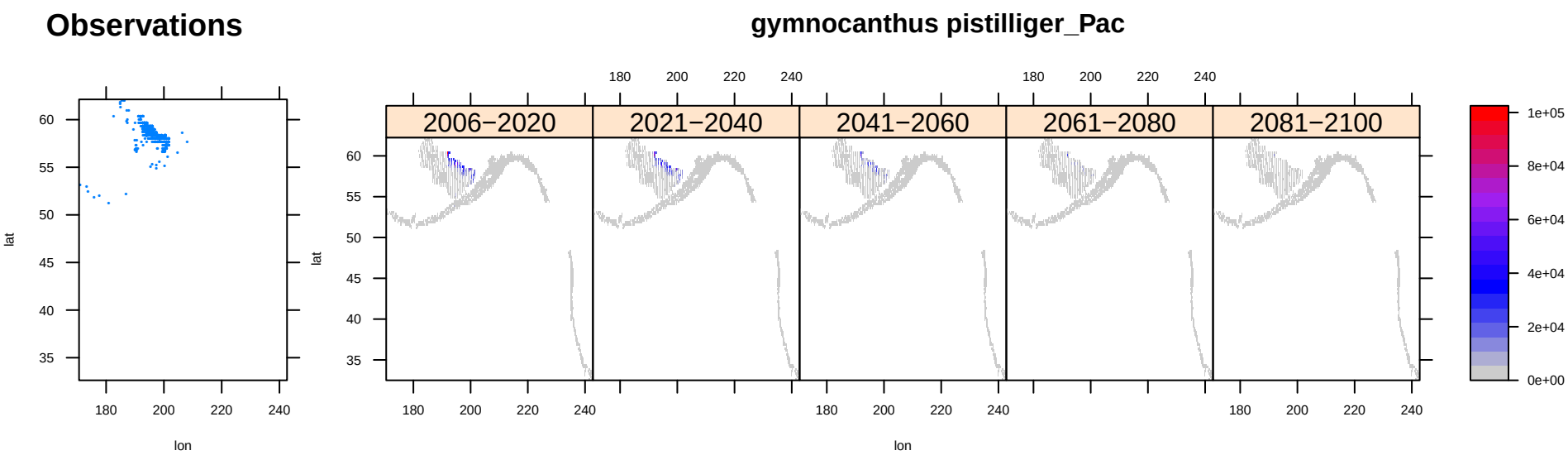
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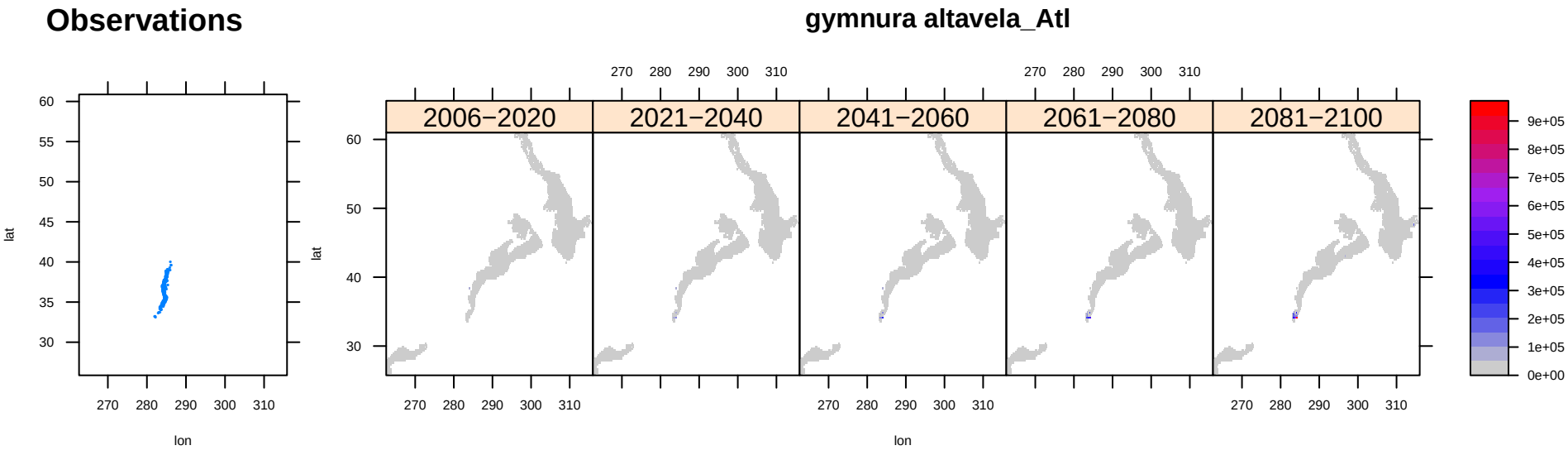
Observations
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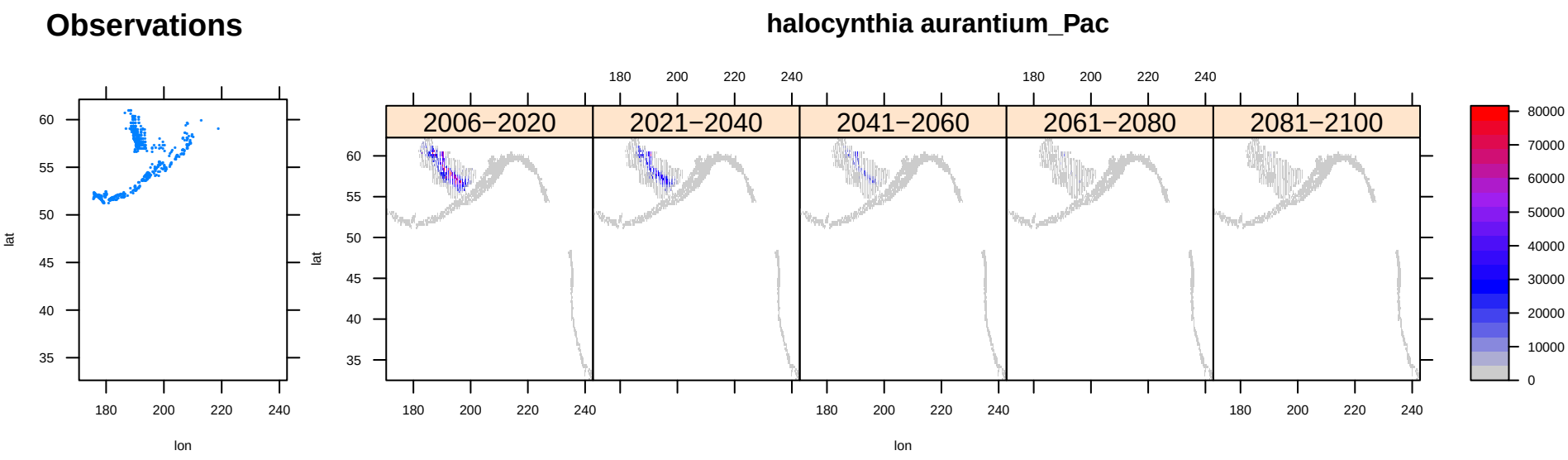
Observations
halocynthia aurantium_Pac
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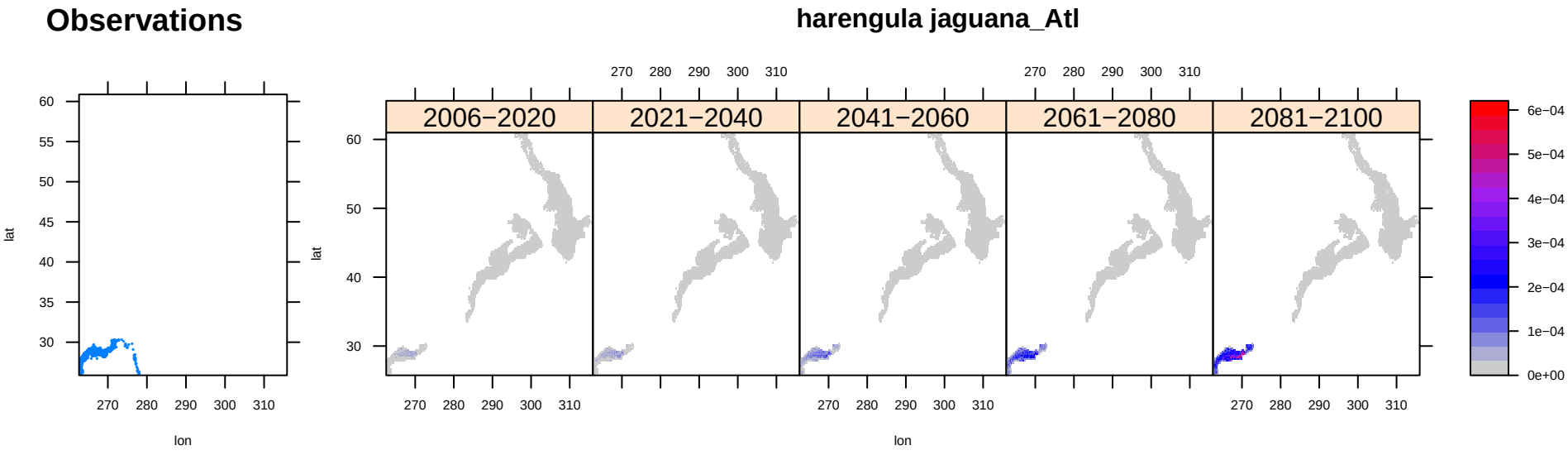
Observations
harengula jaguana_Atl
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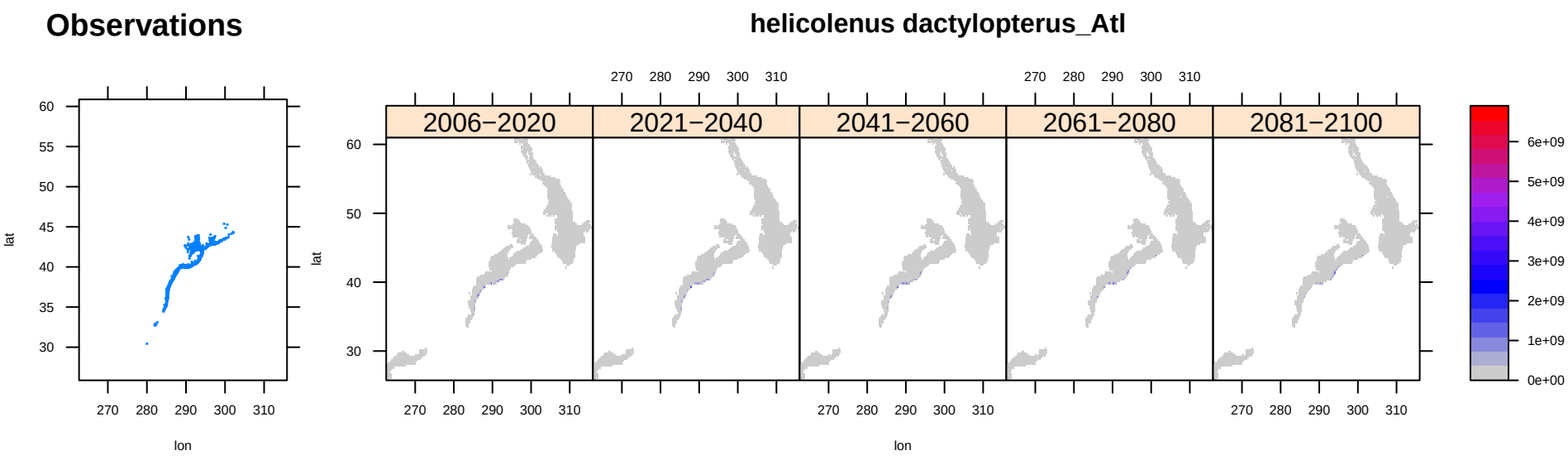
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helicolenus dactylopterus_Atl
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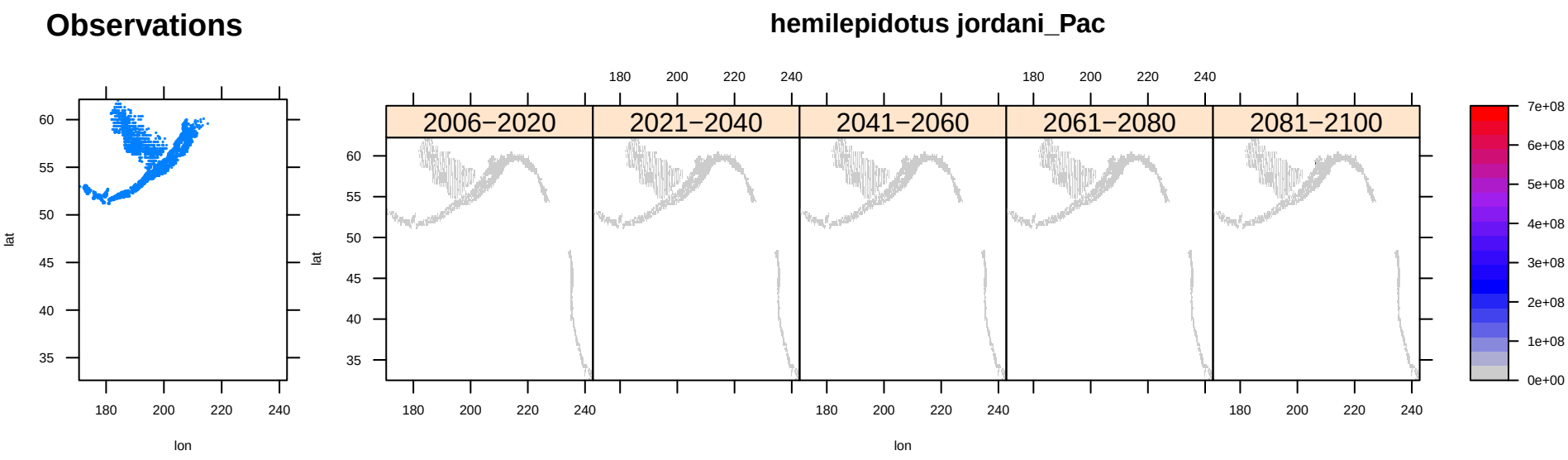
Observations
hemilepidotus jordani_Pac
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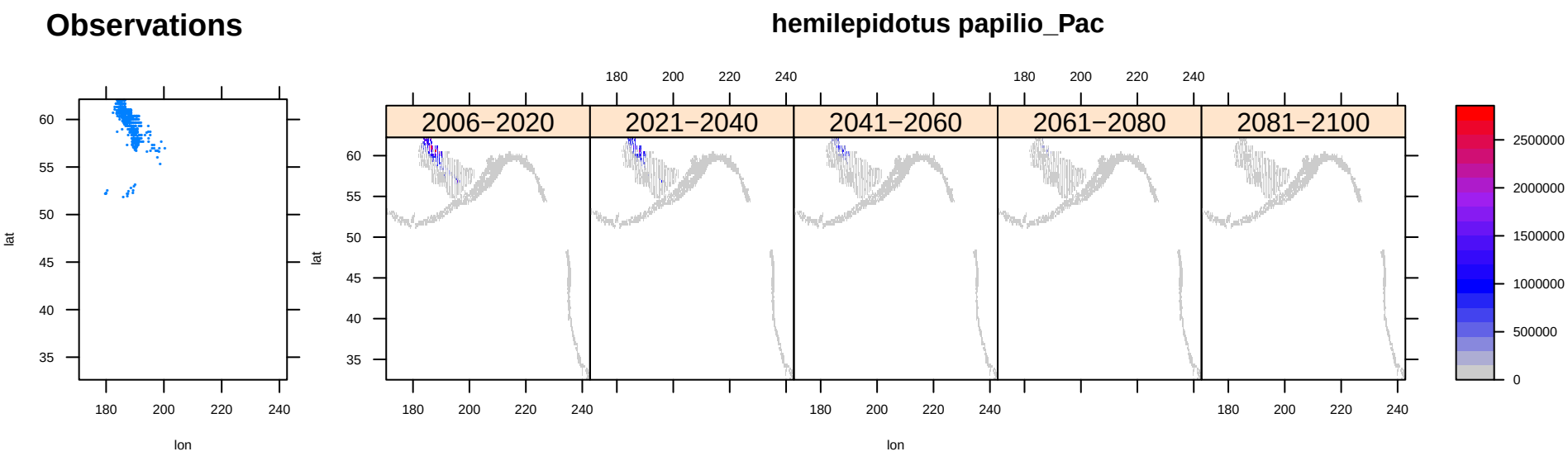
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hemilepidotus papilio_Pac
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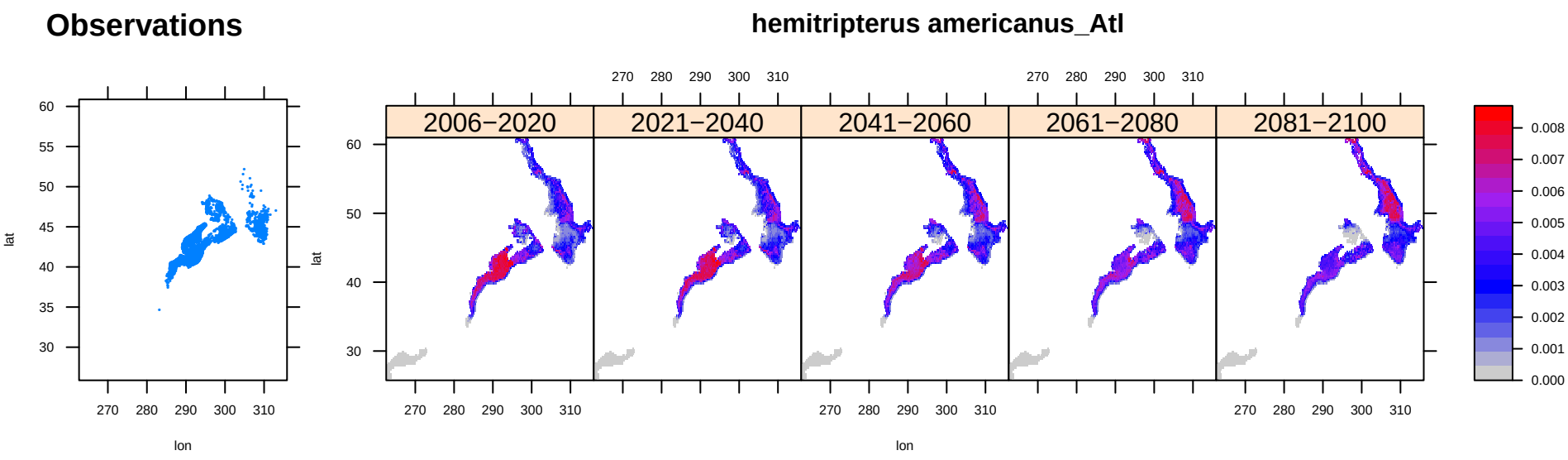
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hemitripterus americanus_Atl
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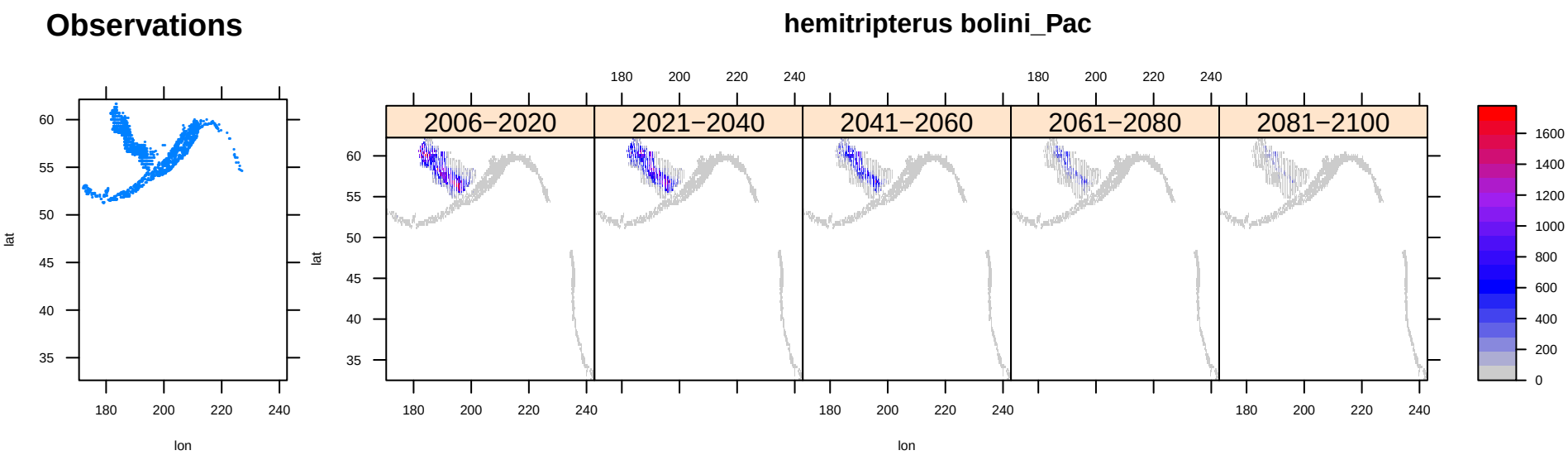
Observations
hemitripterus bolini_Pac
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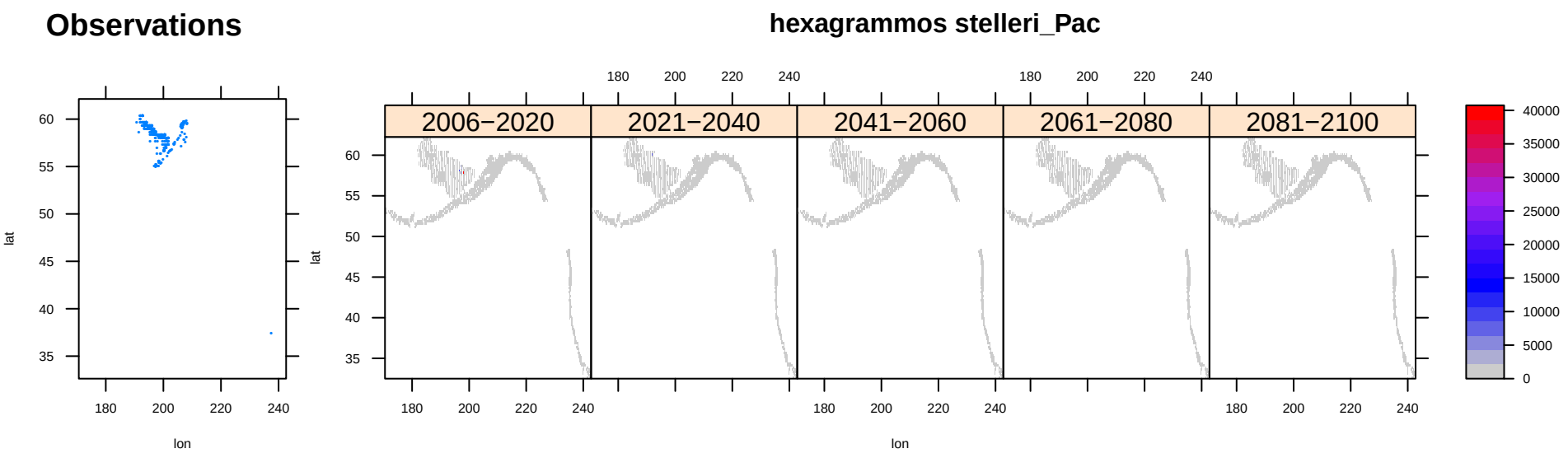
Observations
hexagrammos stelleri_Pac
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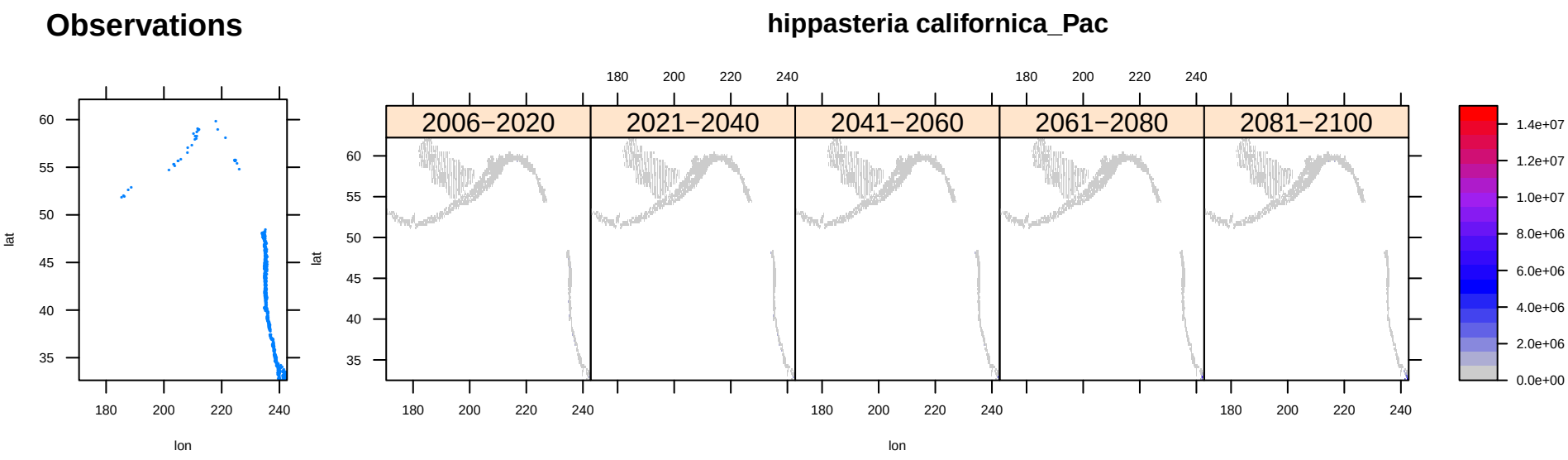
Observations
hippasteria californica_Pac
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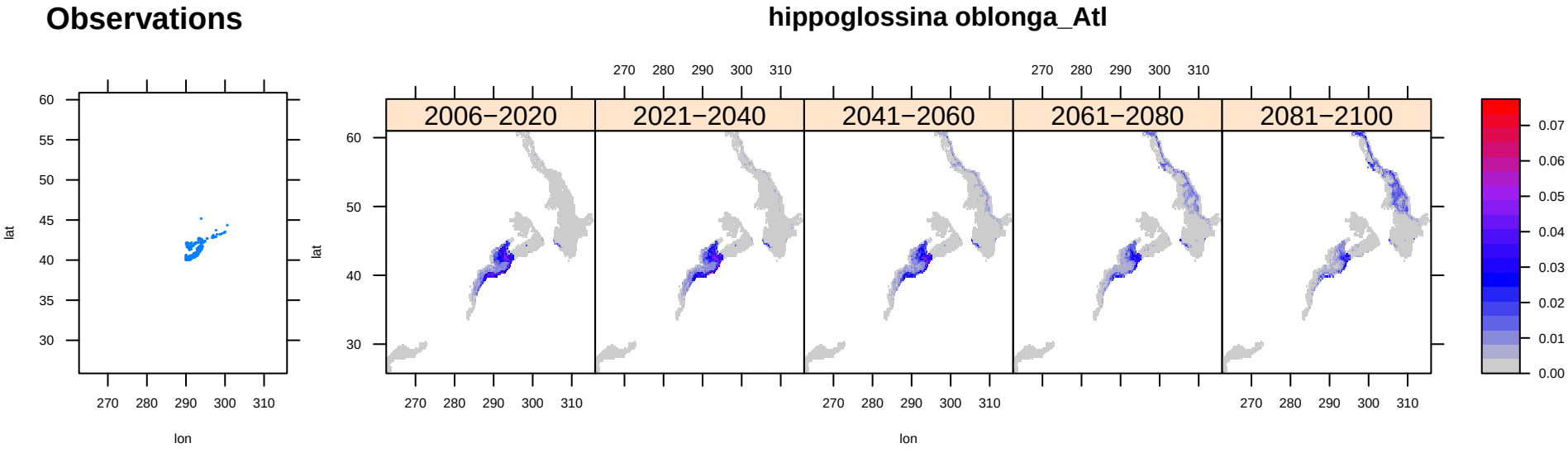
Observations
hippoglossina oblonga_Atl
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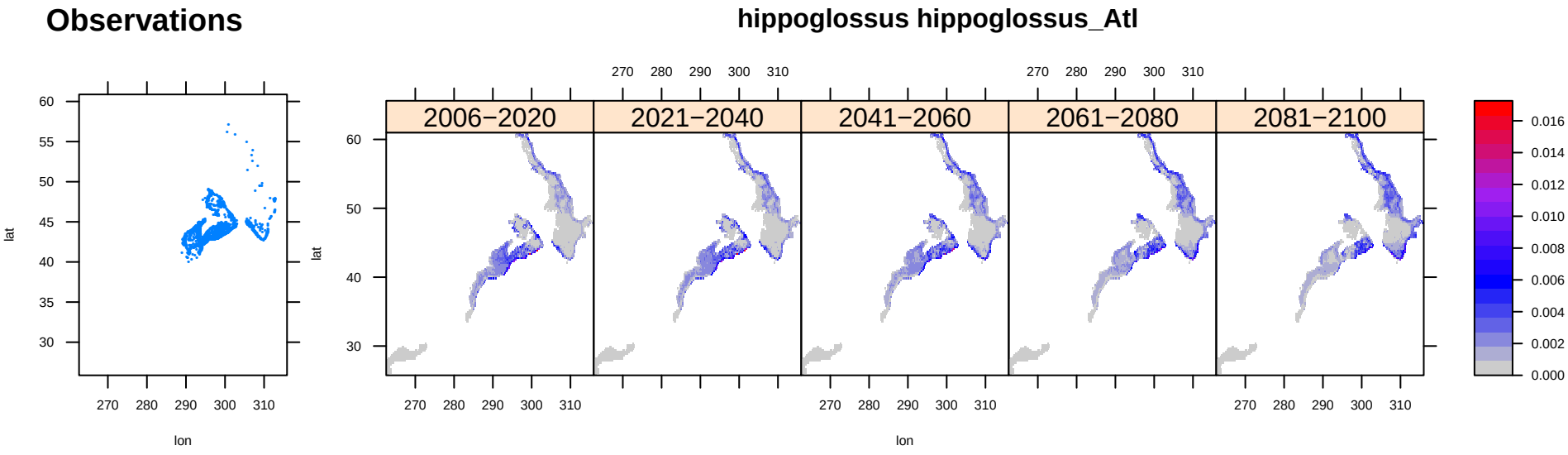
Observations
hippoglossus hippoglossus_Atl
2006−2020
2021−2040
2041−2060
2061−2080
2081−2100
lat
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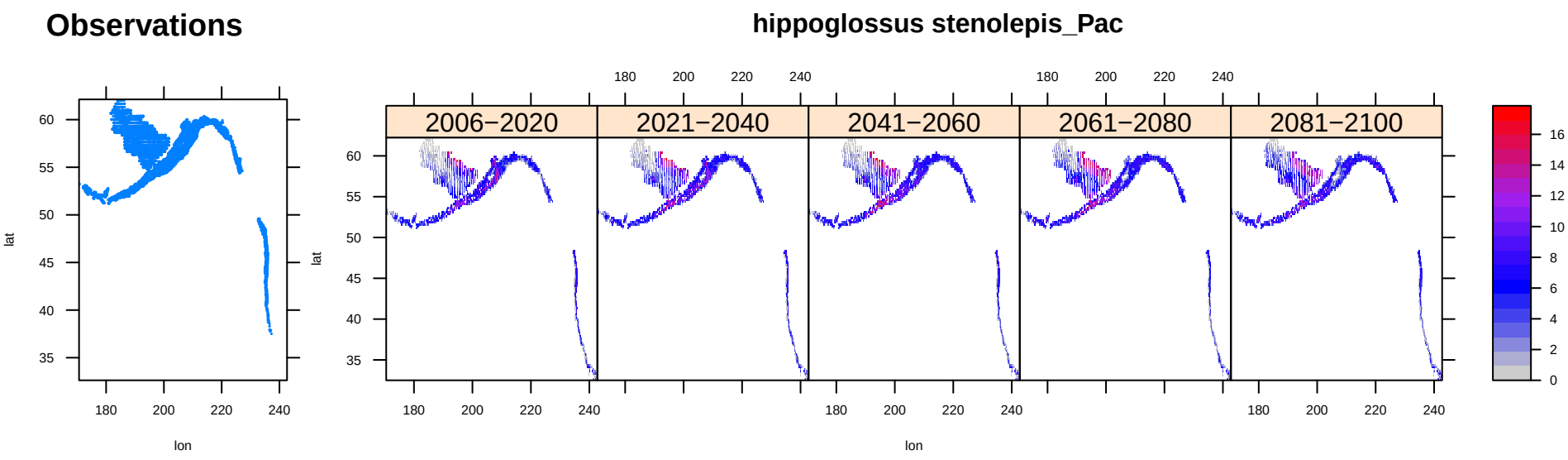
Observations
hippoglossus stenolepis_Pac
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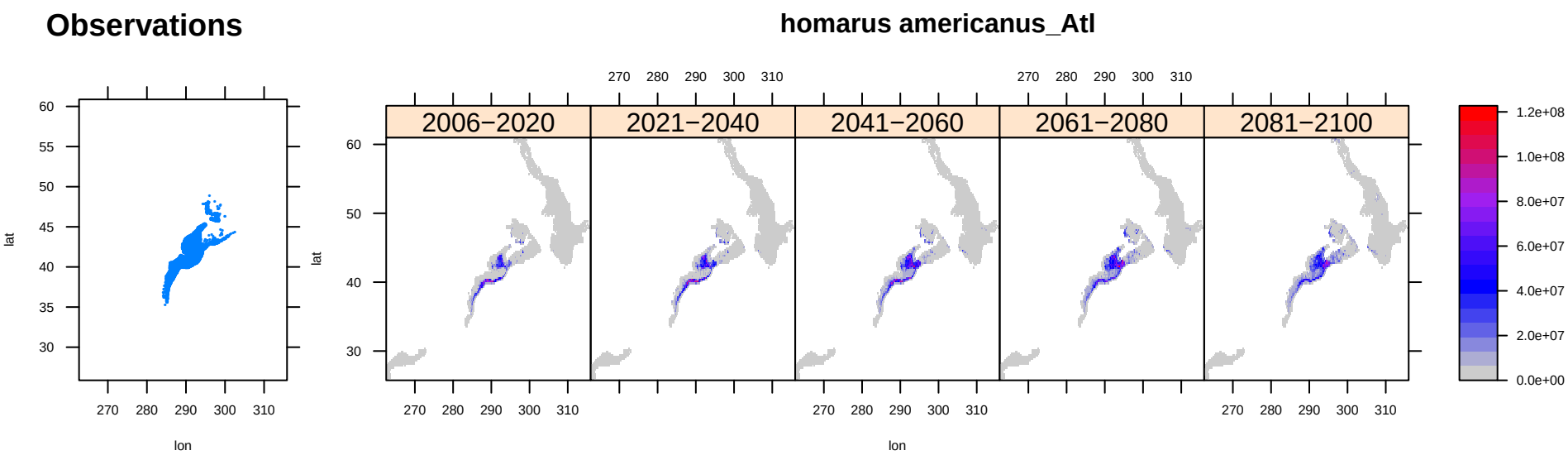
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homarus americanus_Atl
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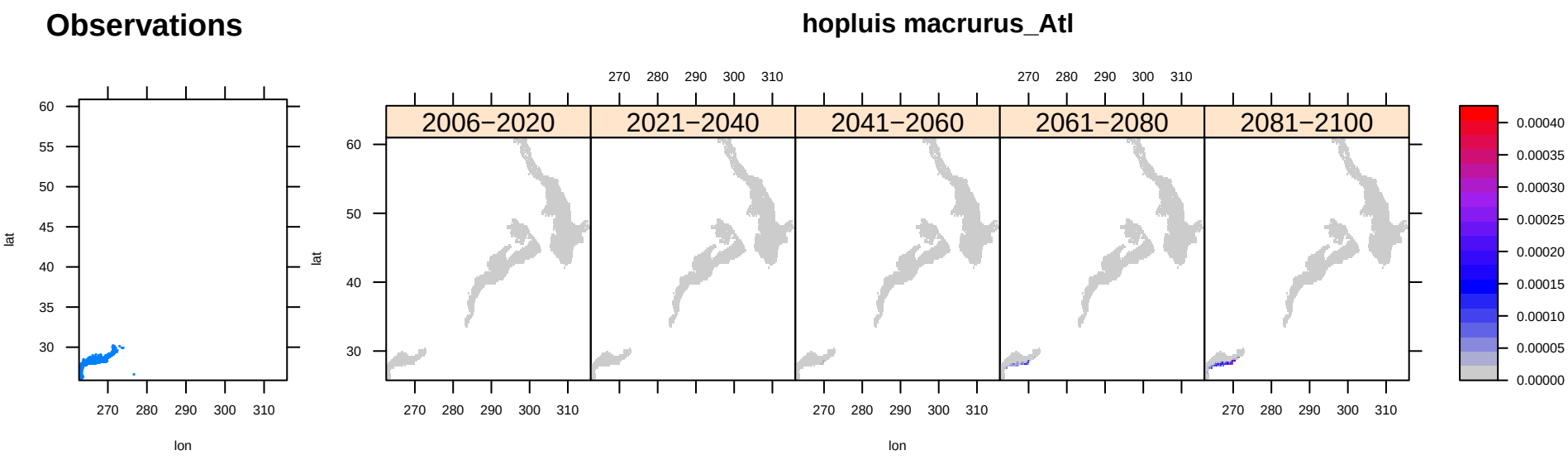
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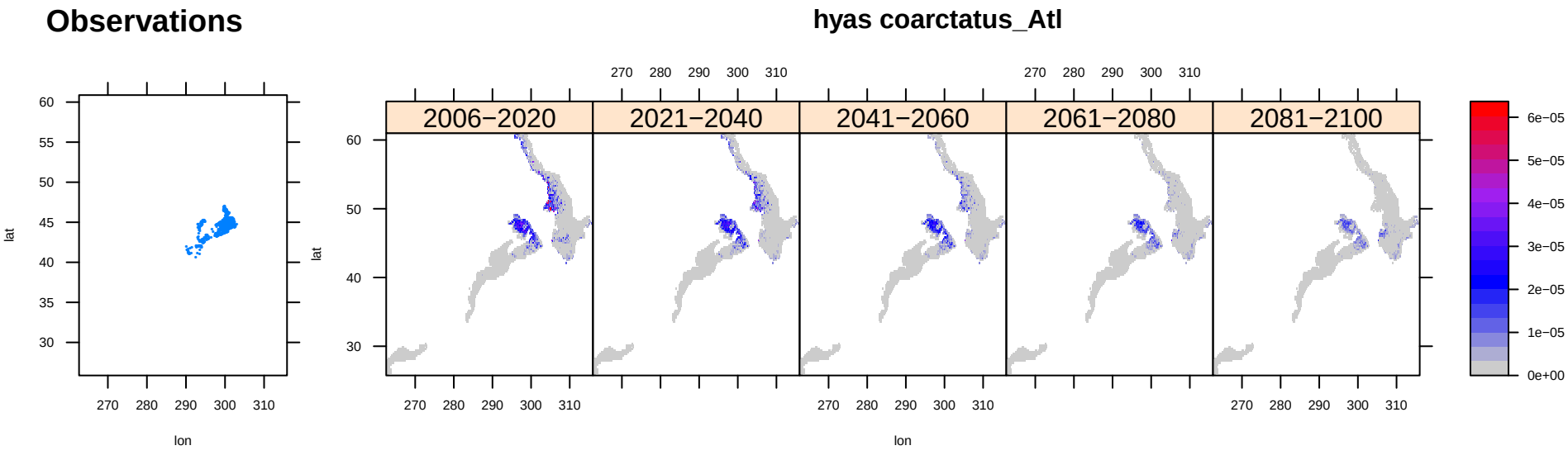
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hyas coarctatus_Atl
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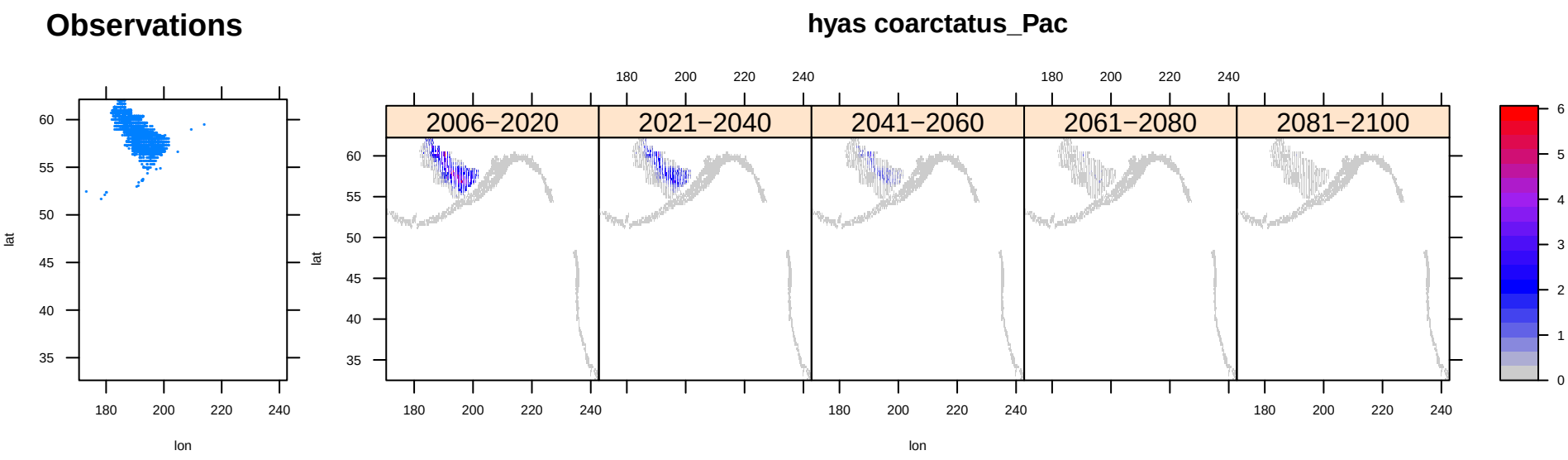
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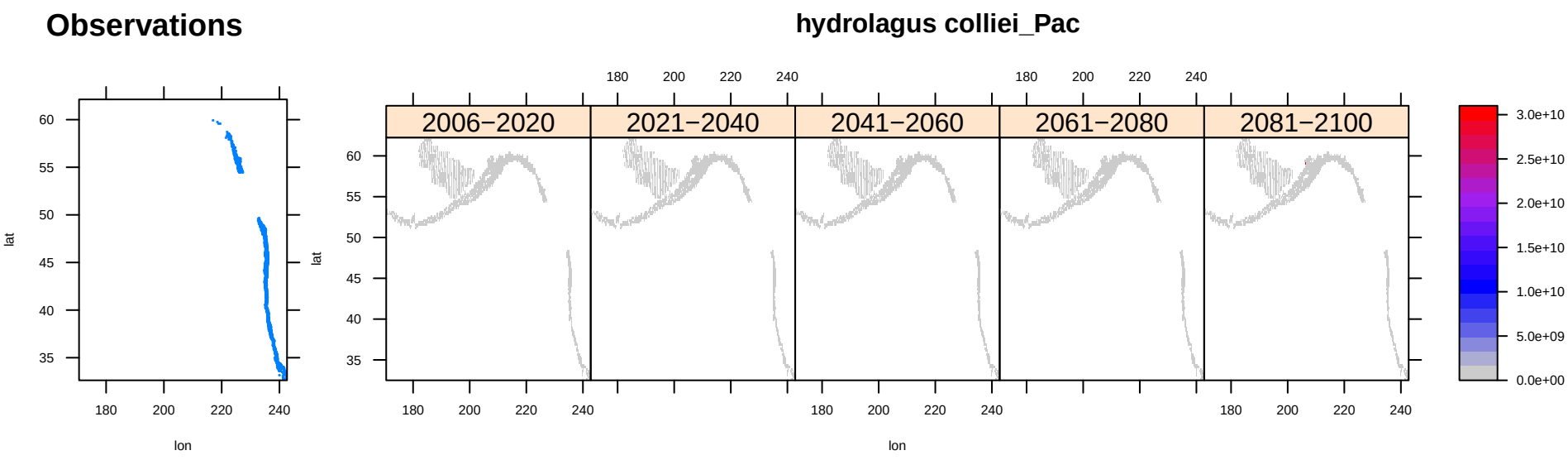
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hydrolagus colliei_Pac
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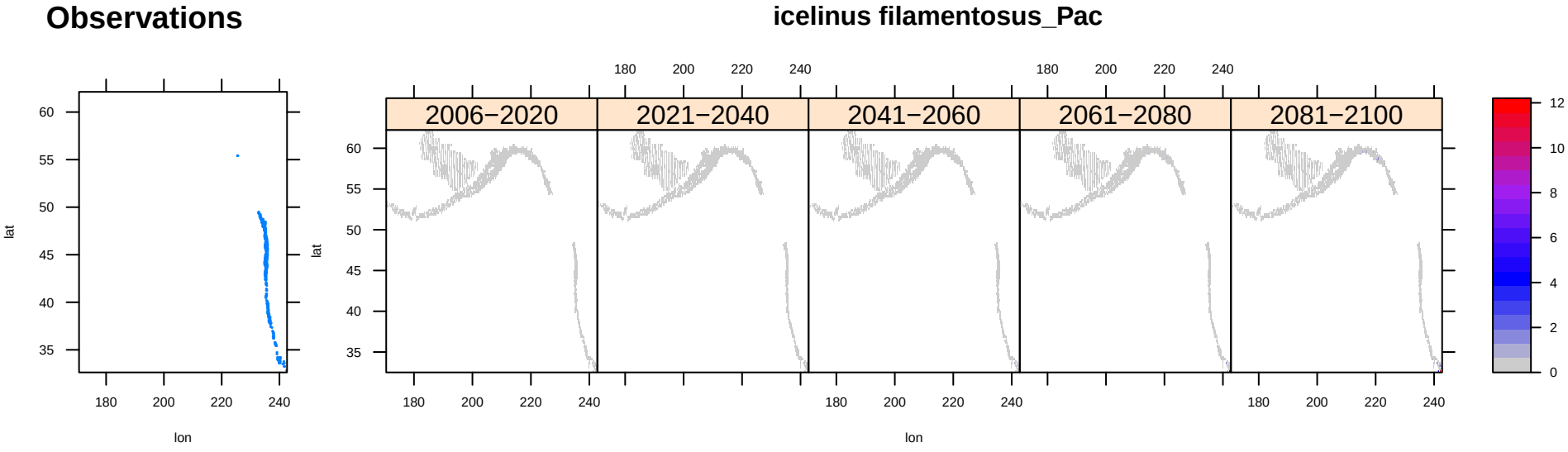
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icelinus filamentosus_Pac
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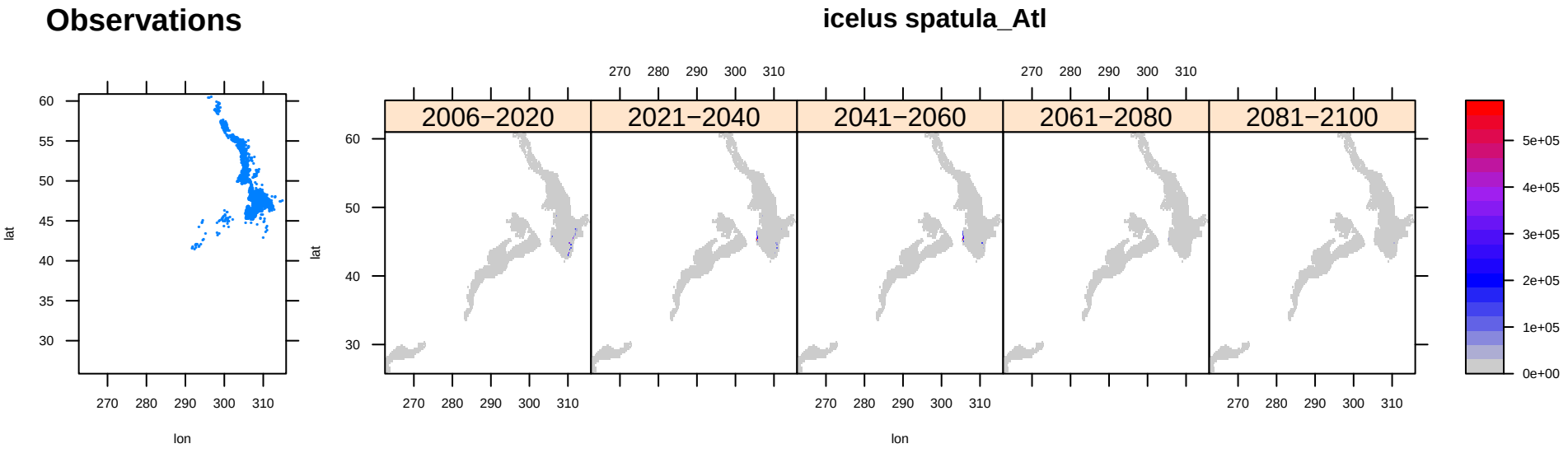
Observations
icelus spatula_Atl
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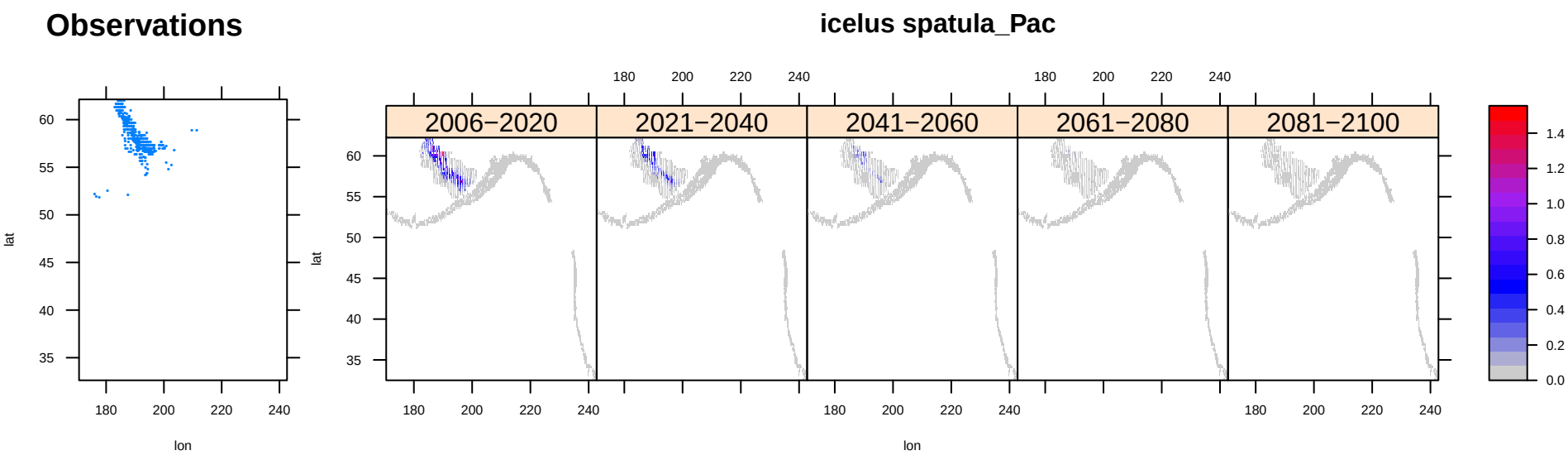
Observations
icelus spatula_Pac
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2081−2100
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lon
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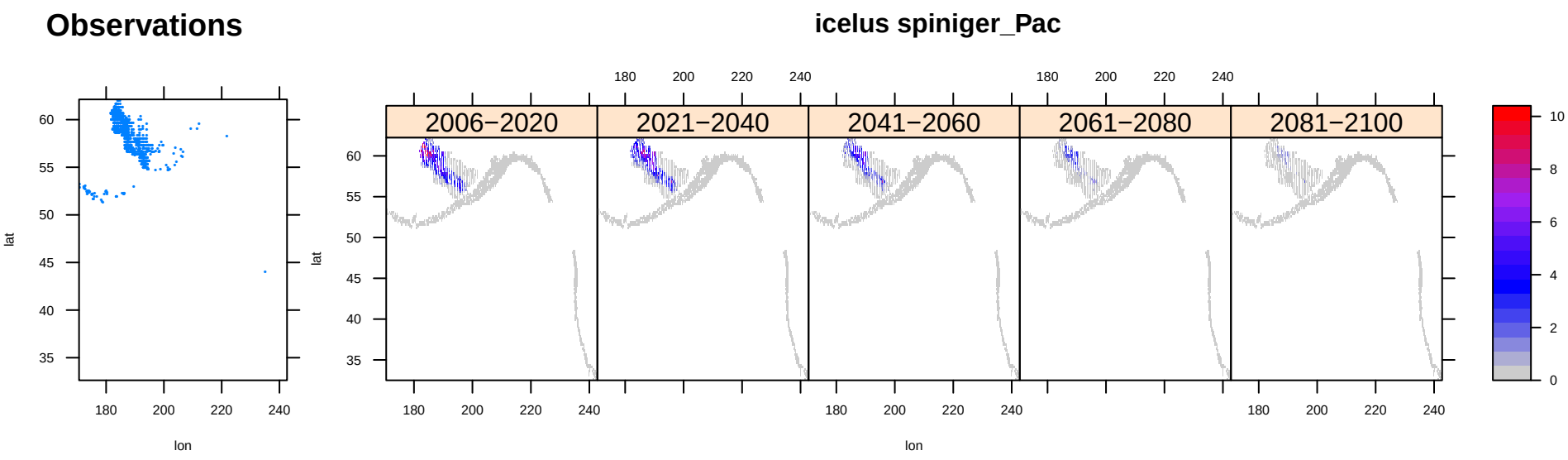
Observations
icelus spiniger_Pac
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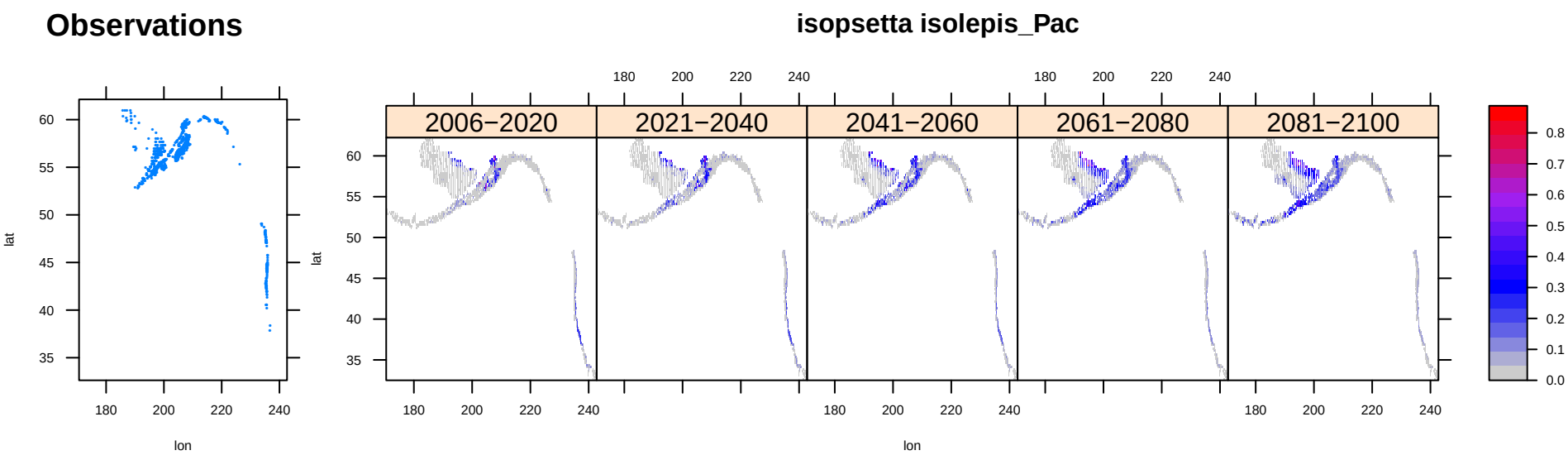
Observations
isopsetta isolepis_Pac
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2061−2080
2081−2100
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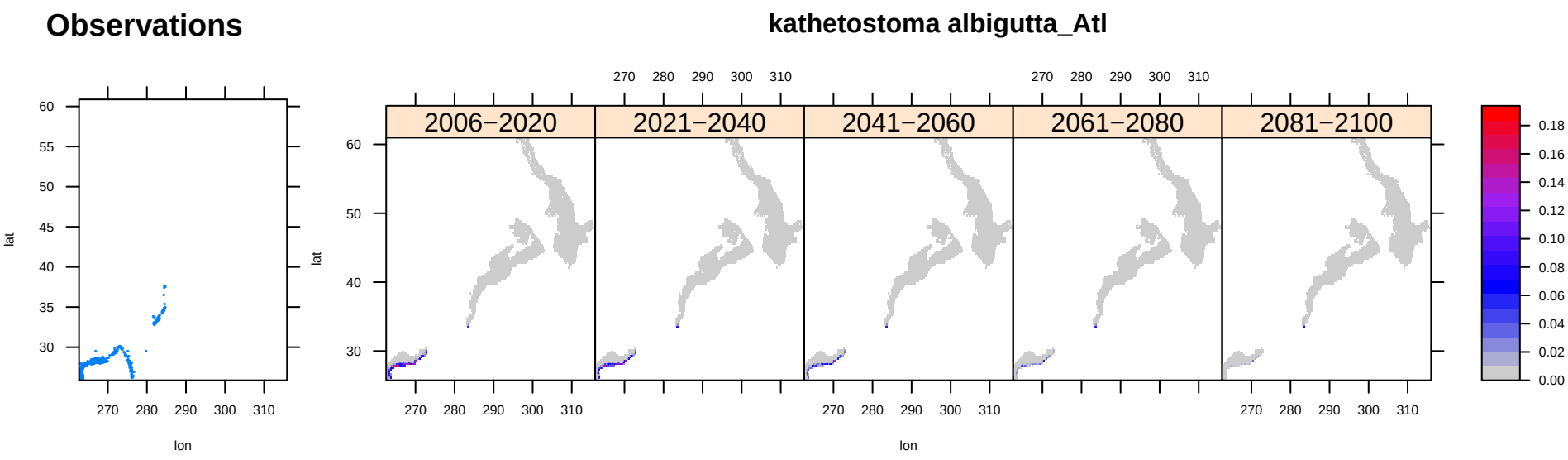
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kathetostoma albigutta_Atl
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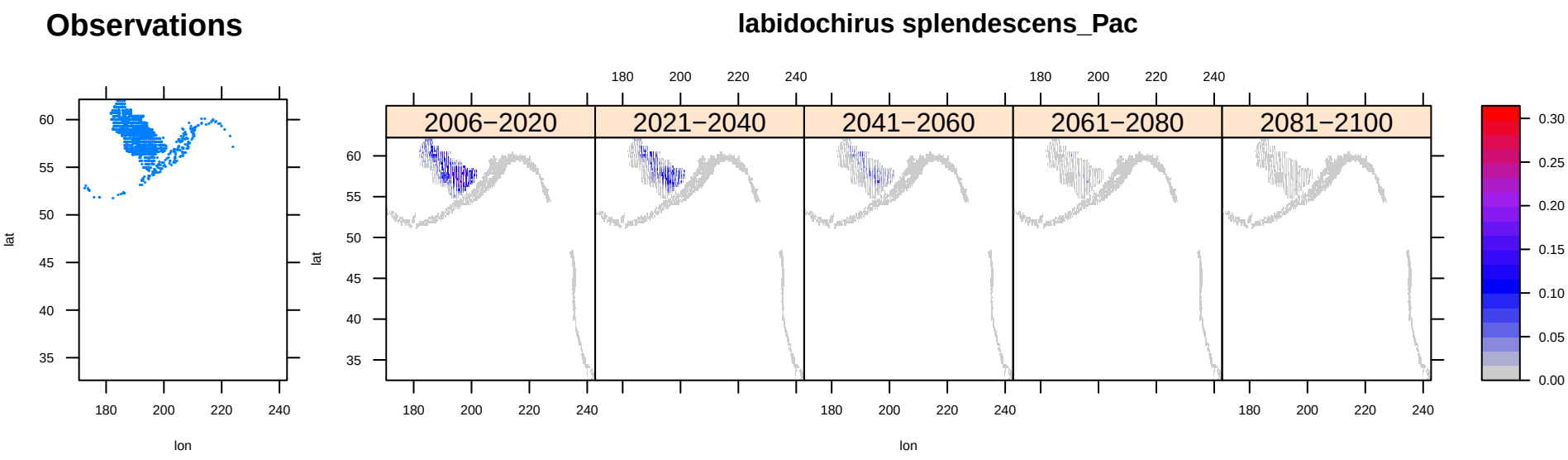
Observations
labidochirus splendescens_Pac
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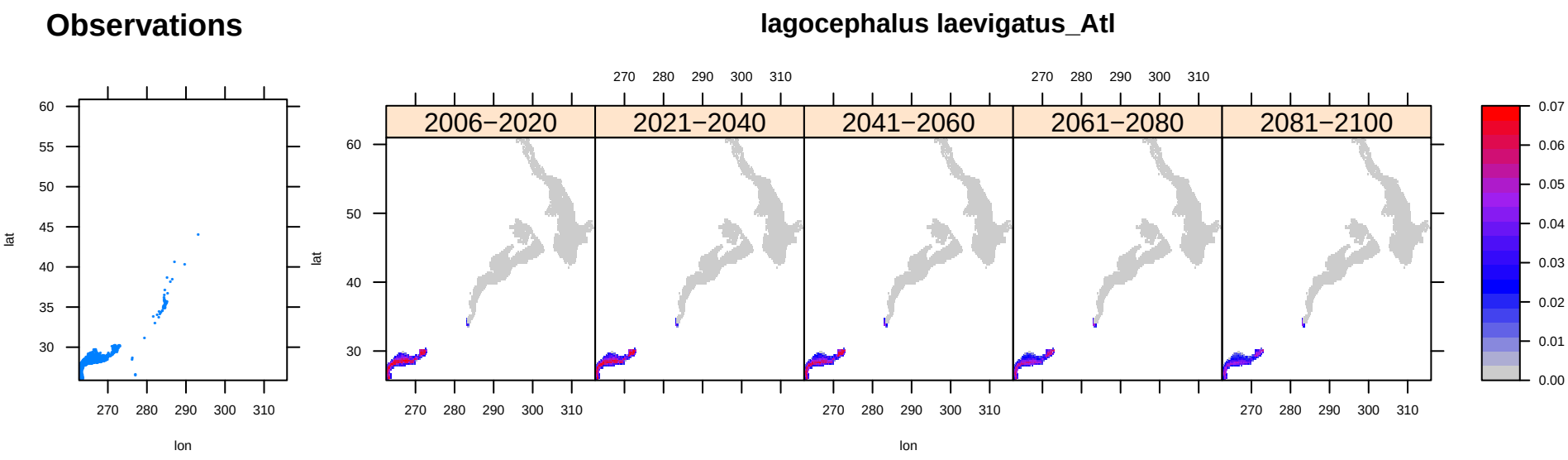
Observations
lagocephalus laevigatus_Atl
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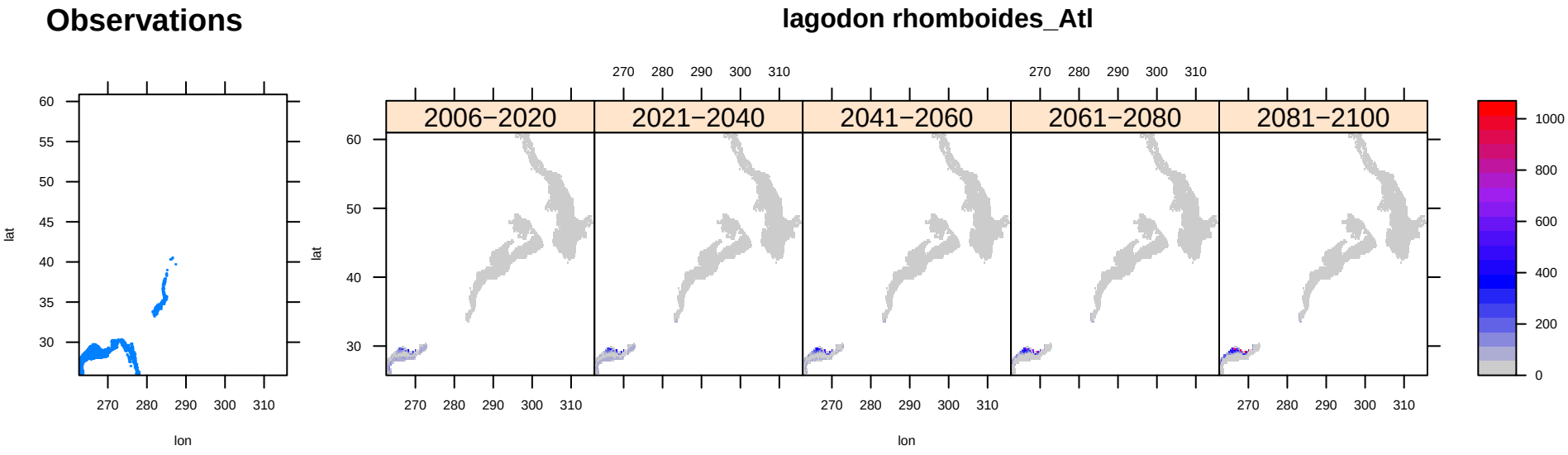
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lagodon rhomboides_Atl
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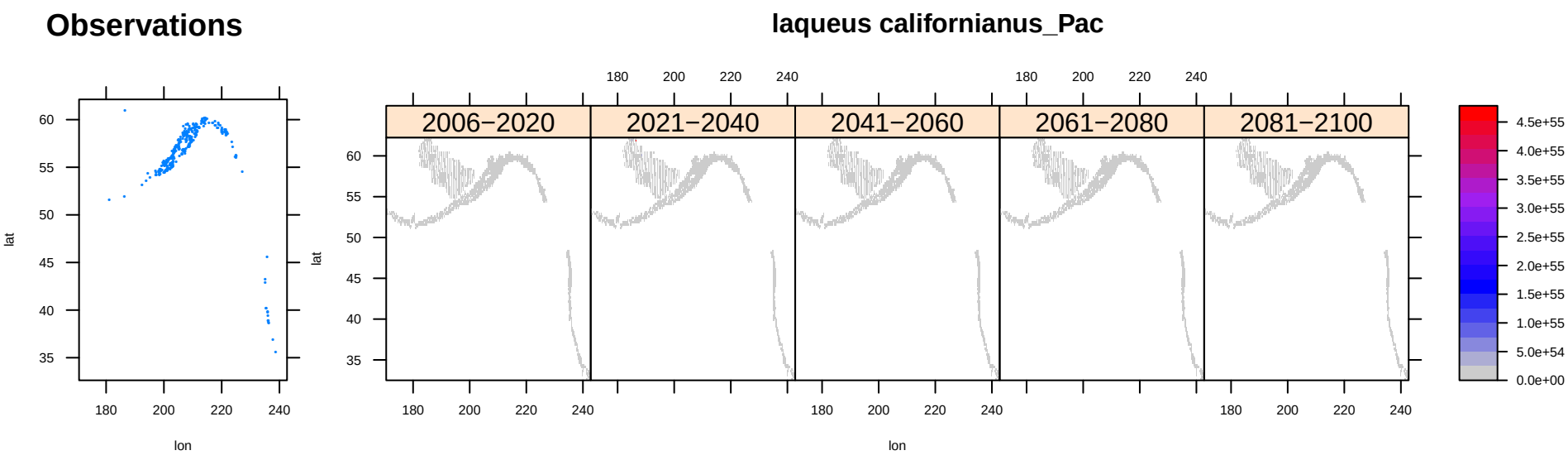
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laqueus californianus_Pac
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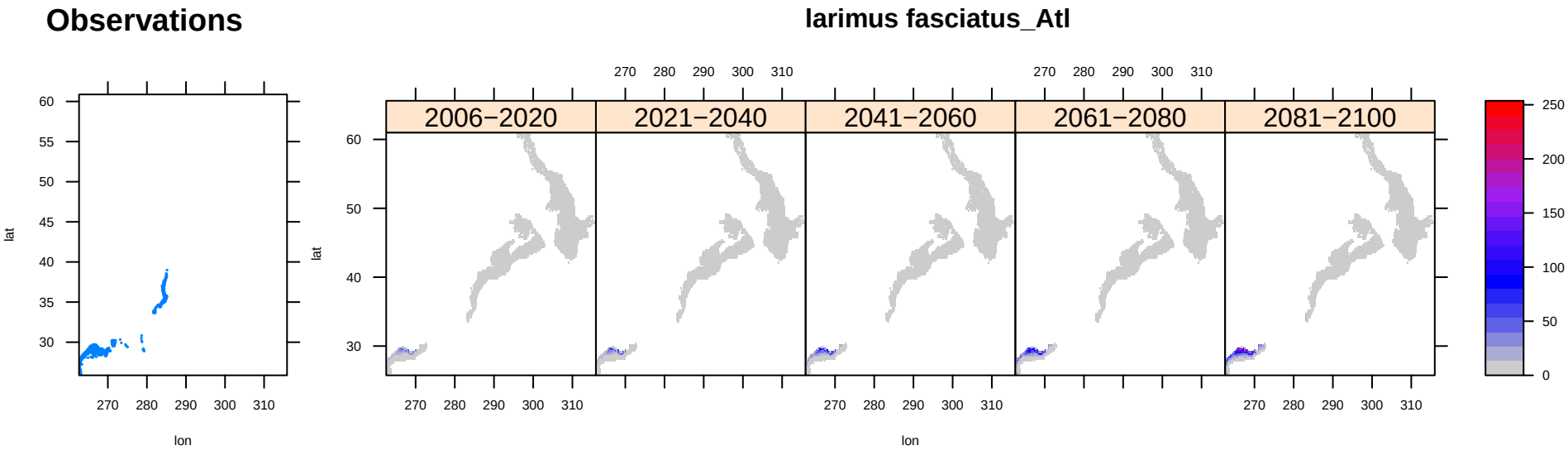
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larimus fasciatus_Atl
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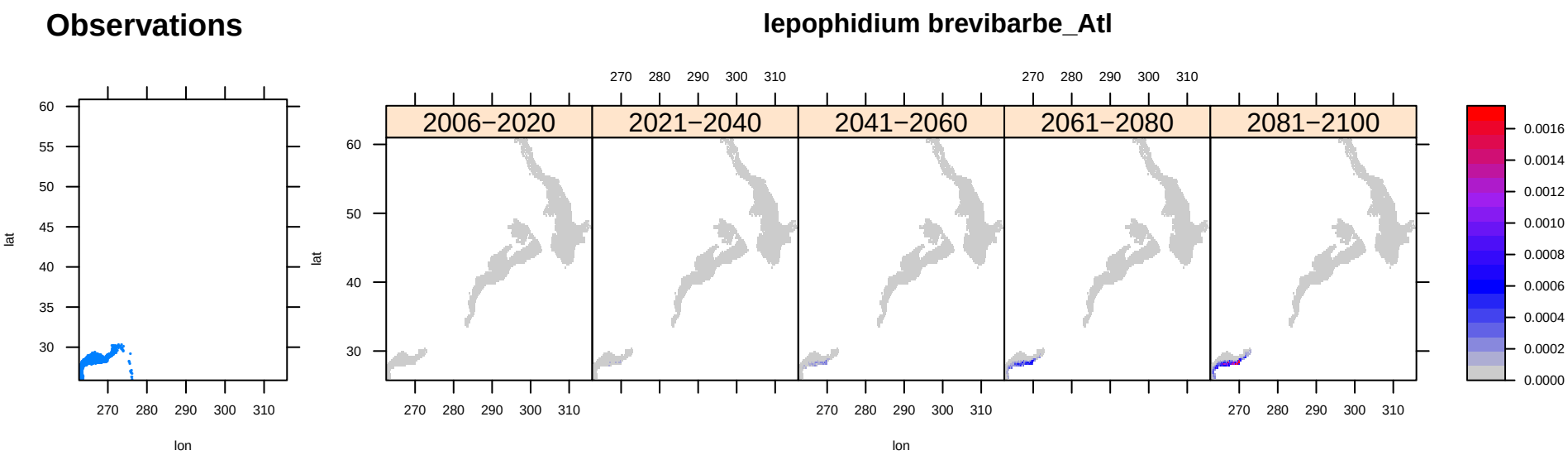
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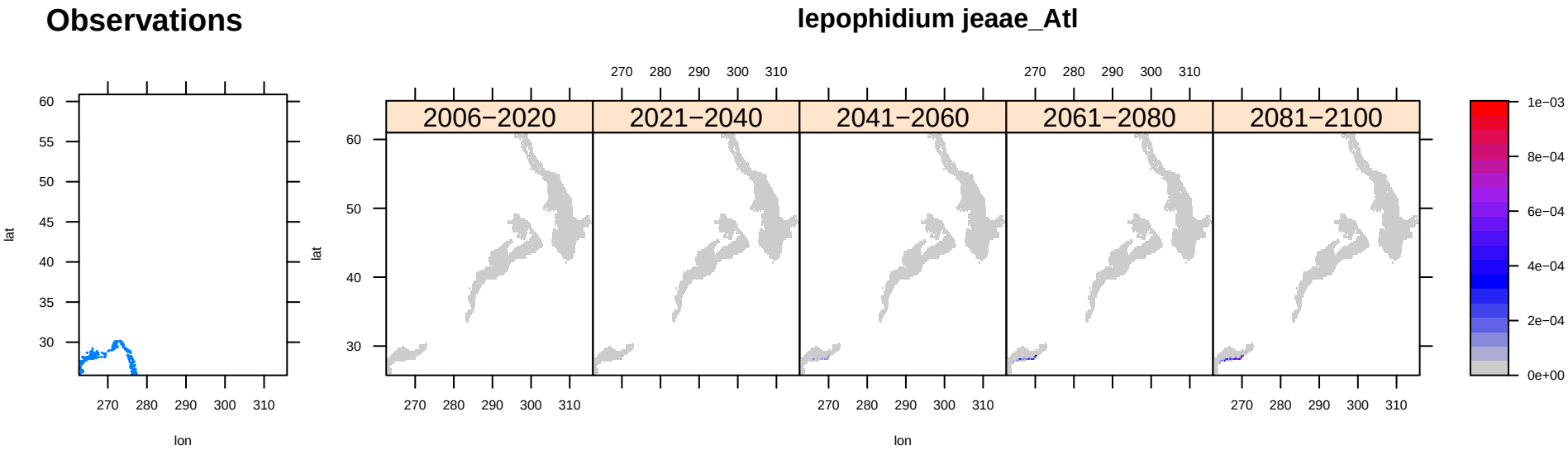
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lepophidium jeaae_Atl
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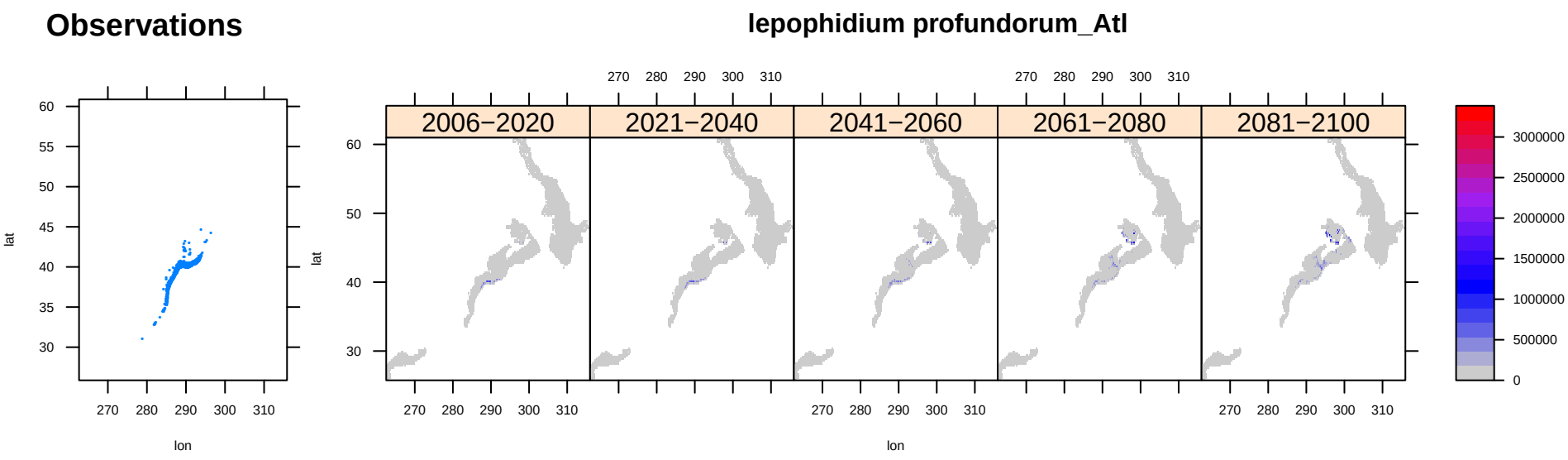
Observations
lepophidium profundorum_Atl
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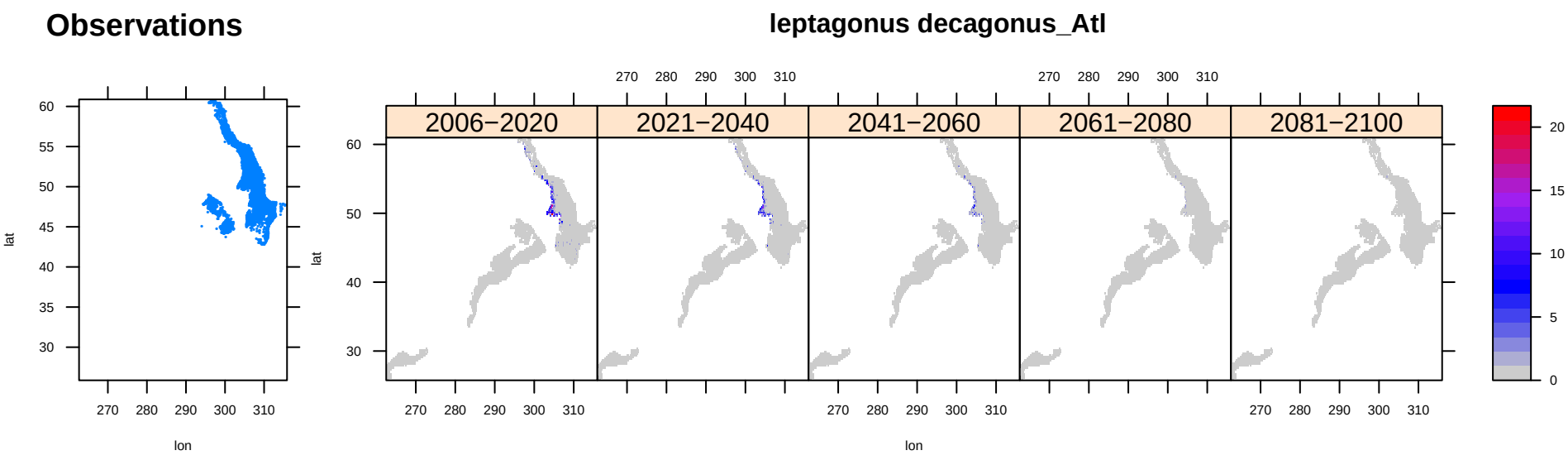
Observations
leptagonus decagonus_Atl
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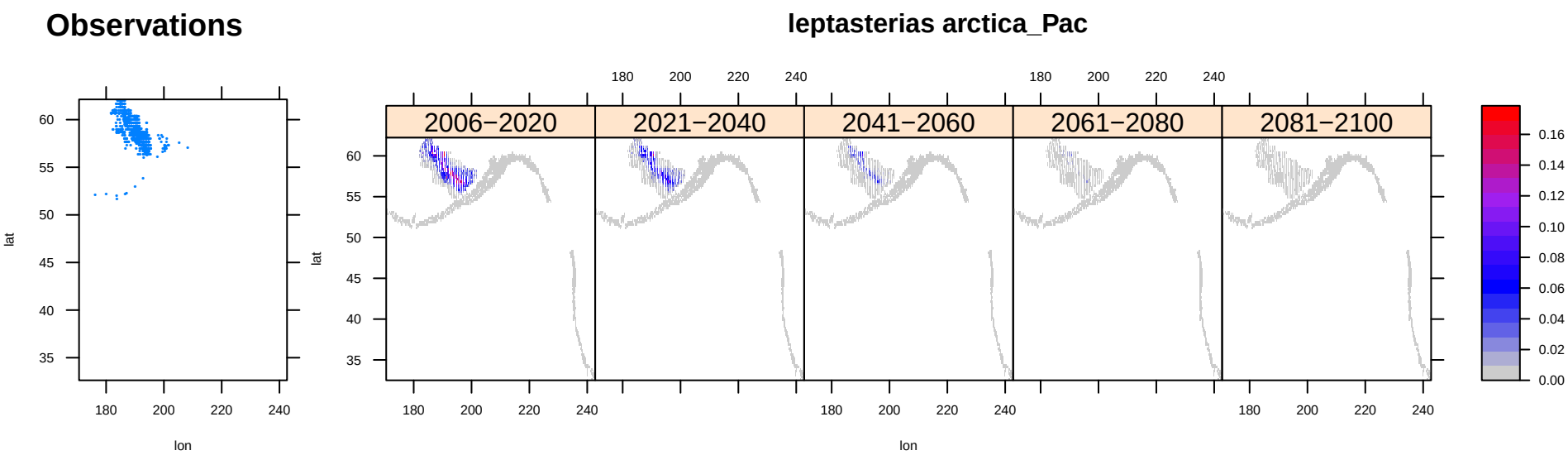
Observations
leptasterias arctica_Pac
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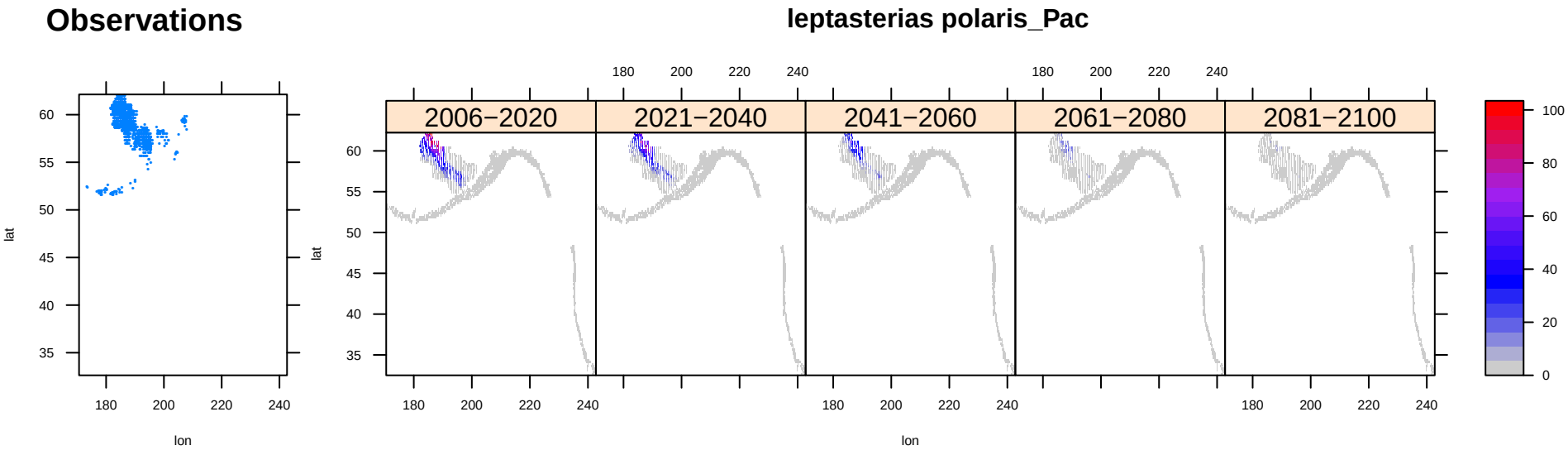
Observations
leptasterias polaris_Pac
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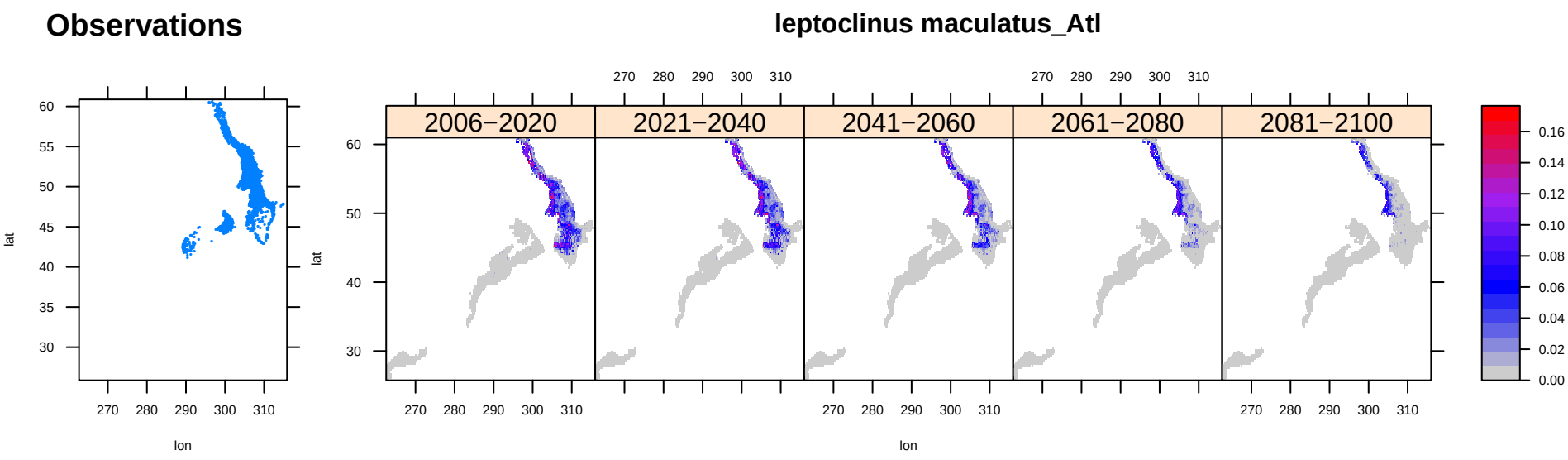
Observations
leptoclinus maculatus_Atl
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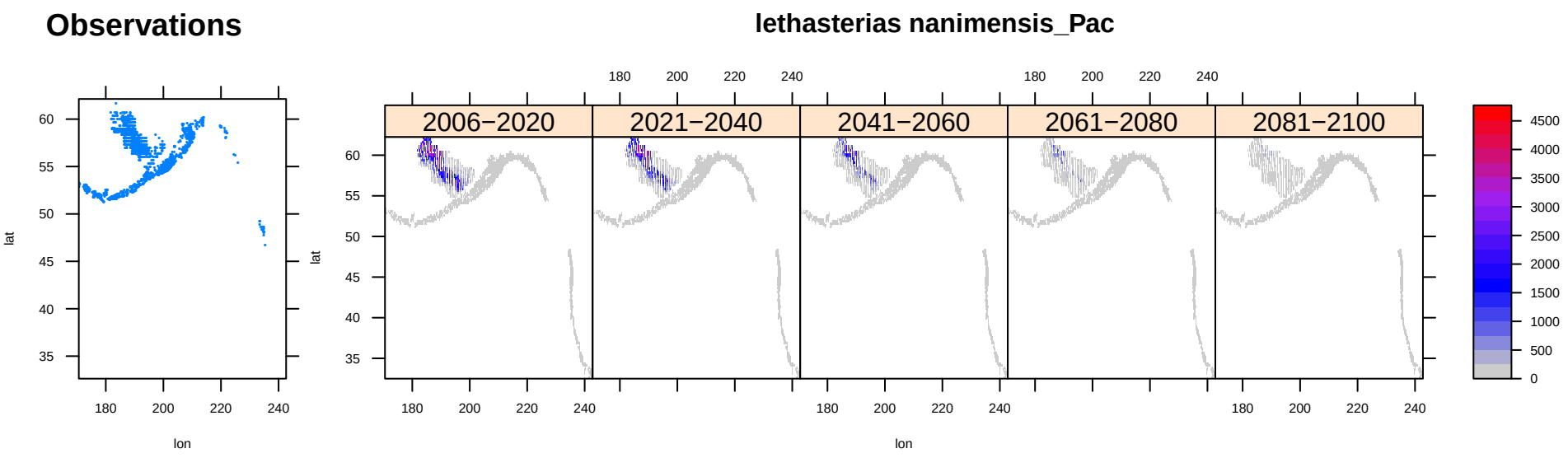
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lethasterias nanimensis_Pac
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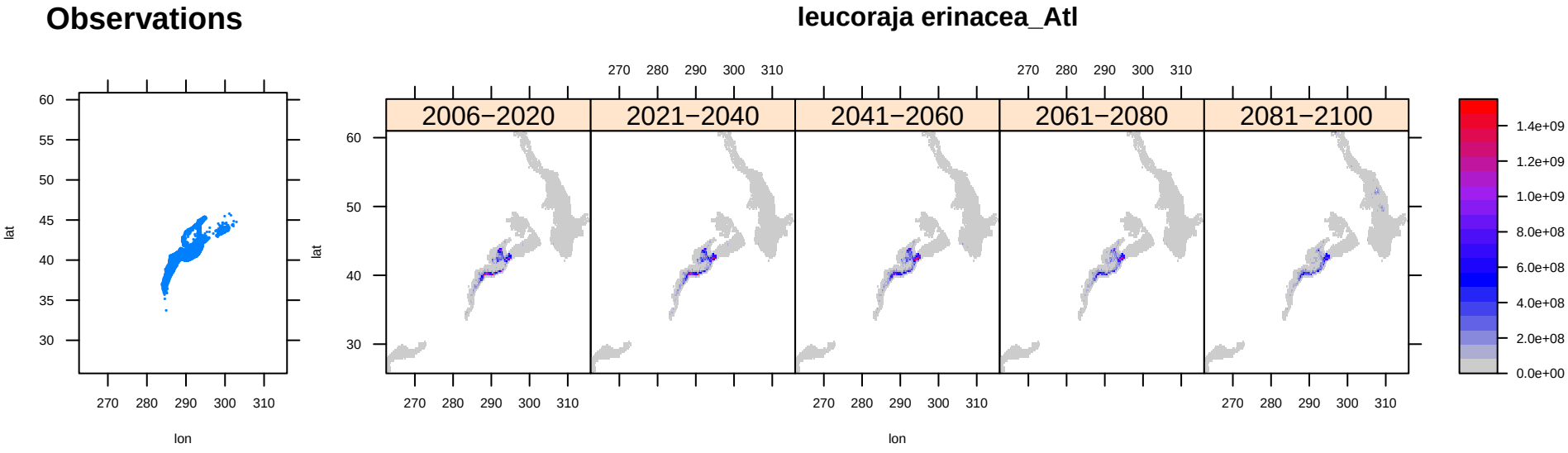
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leucoraja erinacea_Atl
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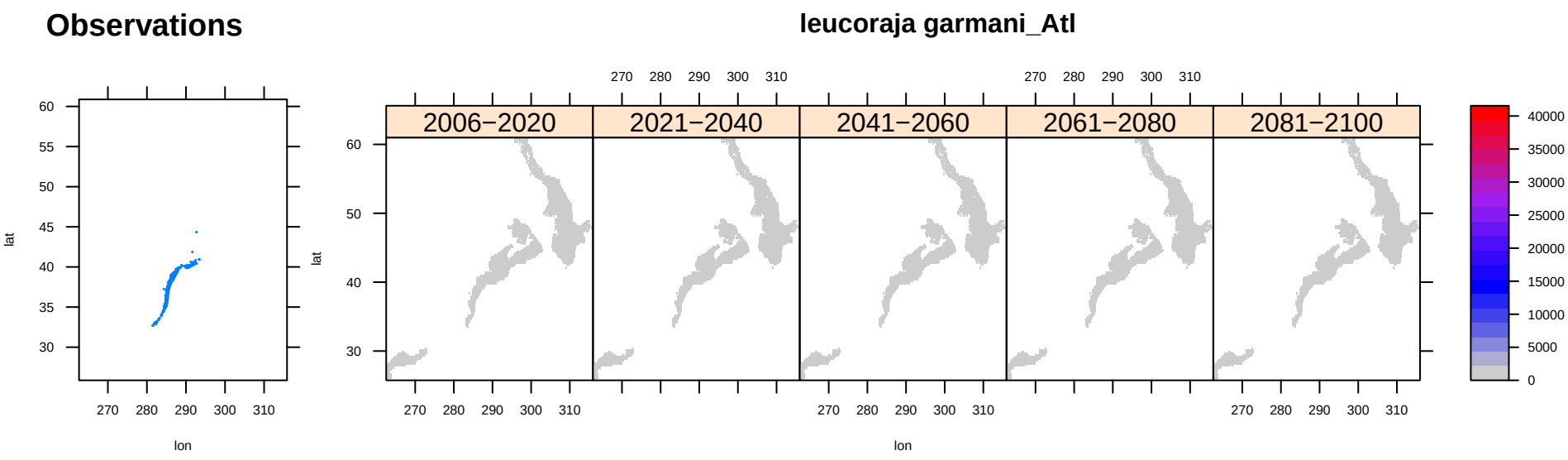
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leucoraja garmani_Atl
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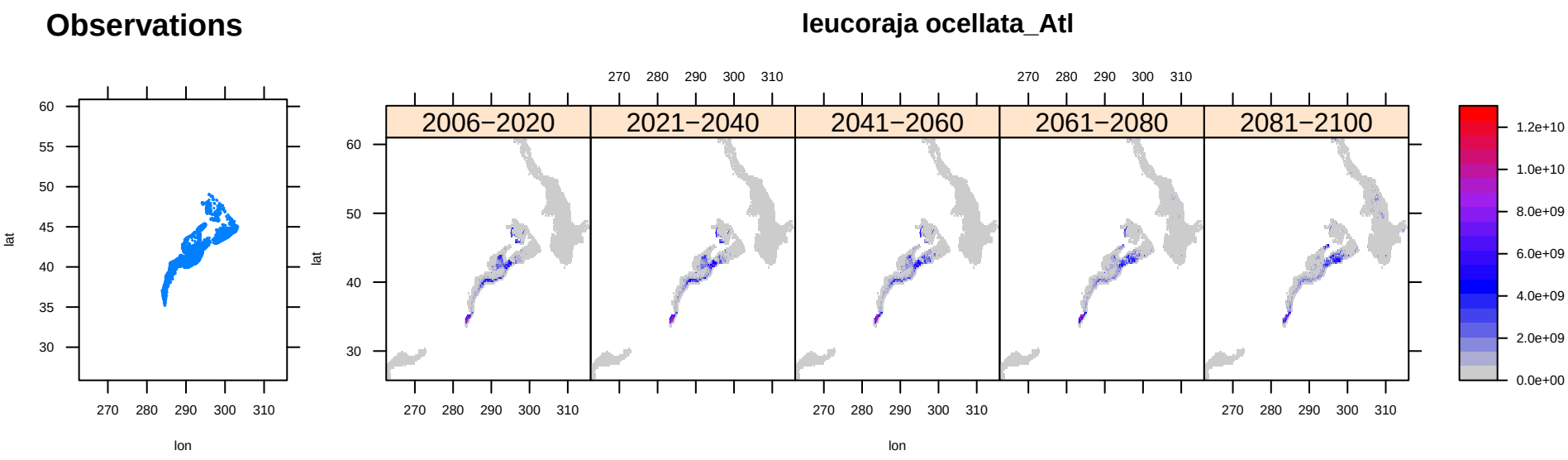
Observations
leucoraja ocellata_Atl
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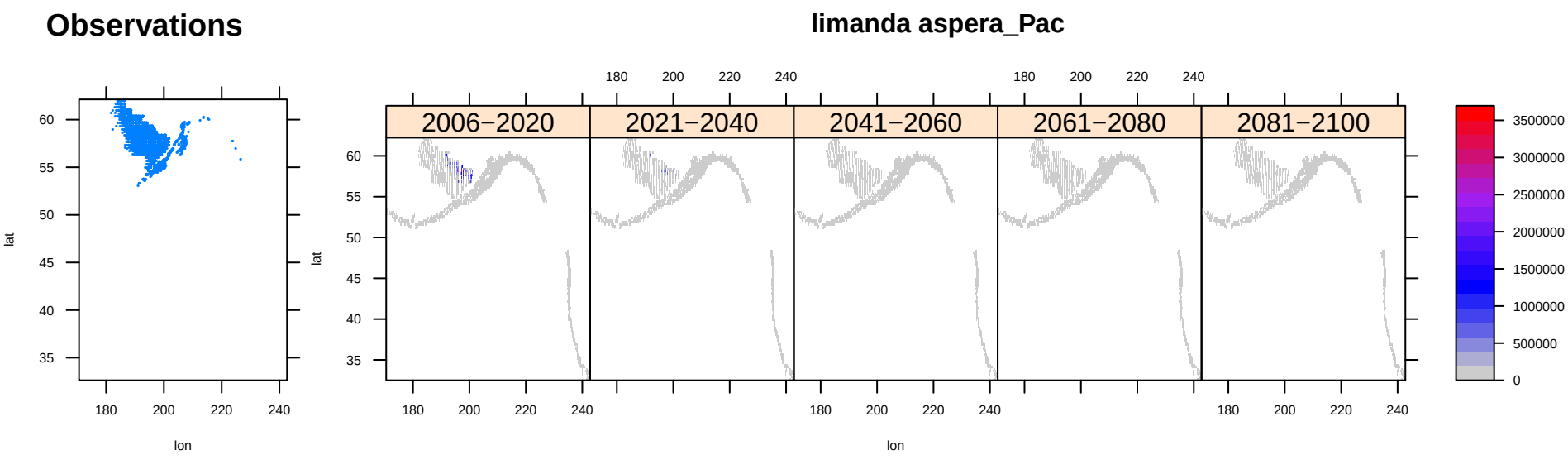
Observations
limanda aspera_Pac
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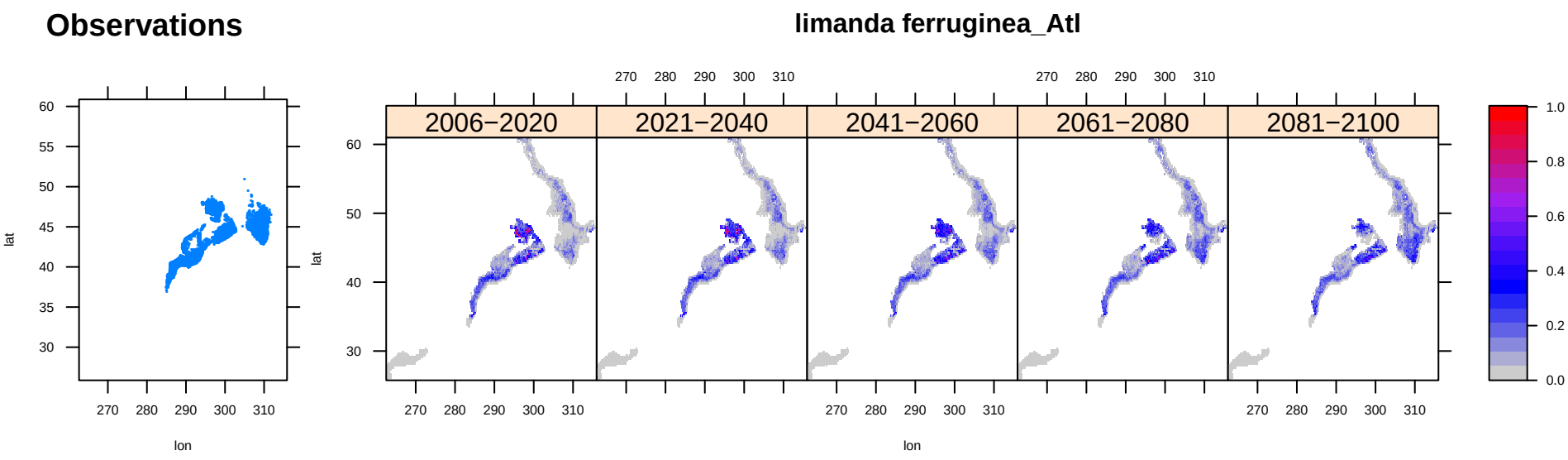
Observations
limanda ferruginea_Atl
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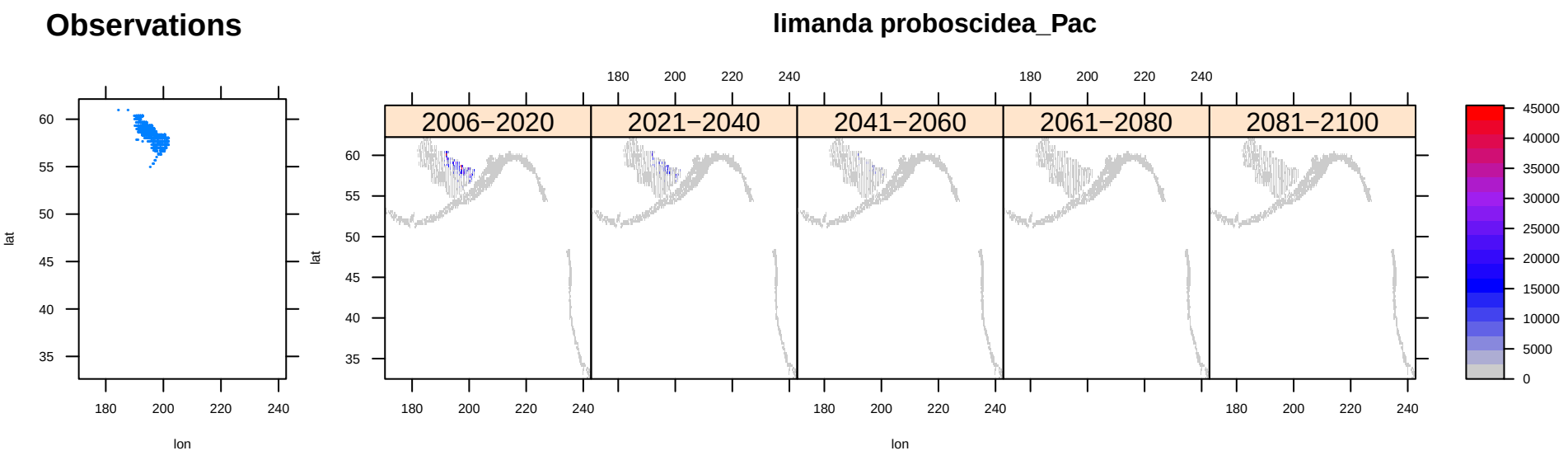
Observations
limanda proboscidea_Pac
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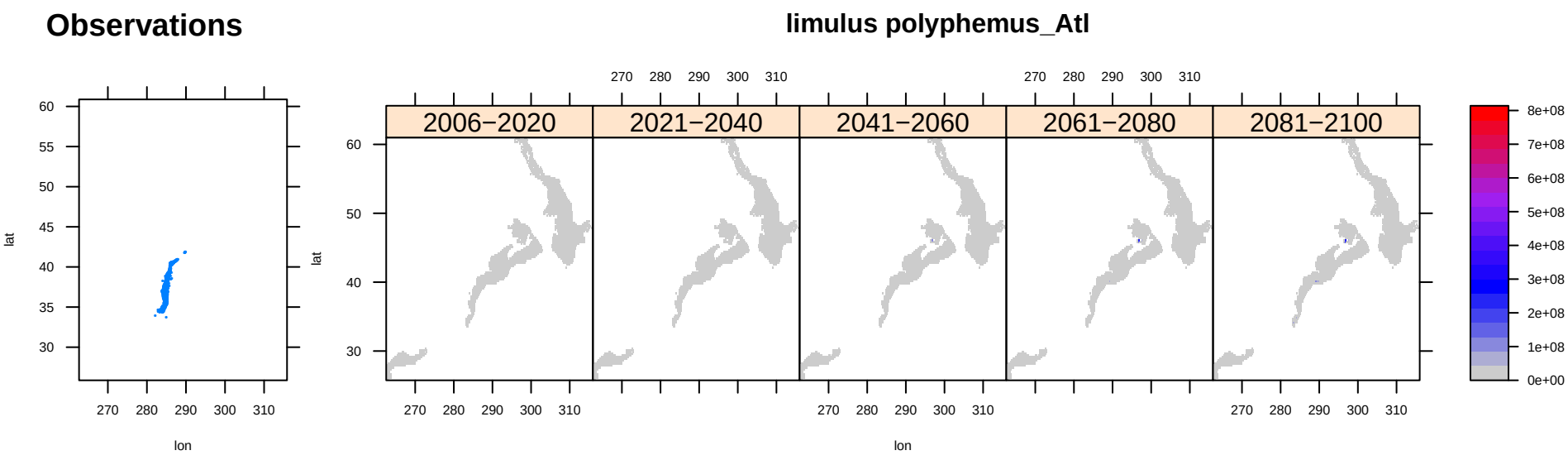
Observations
limulus polyphemus_Atl
2006−2020
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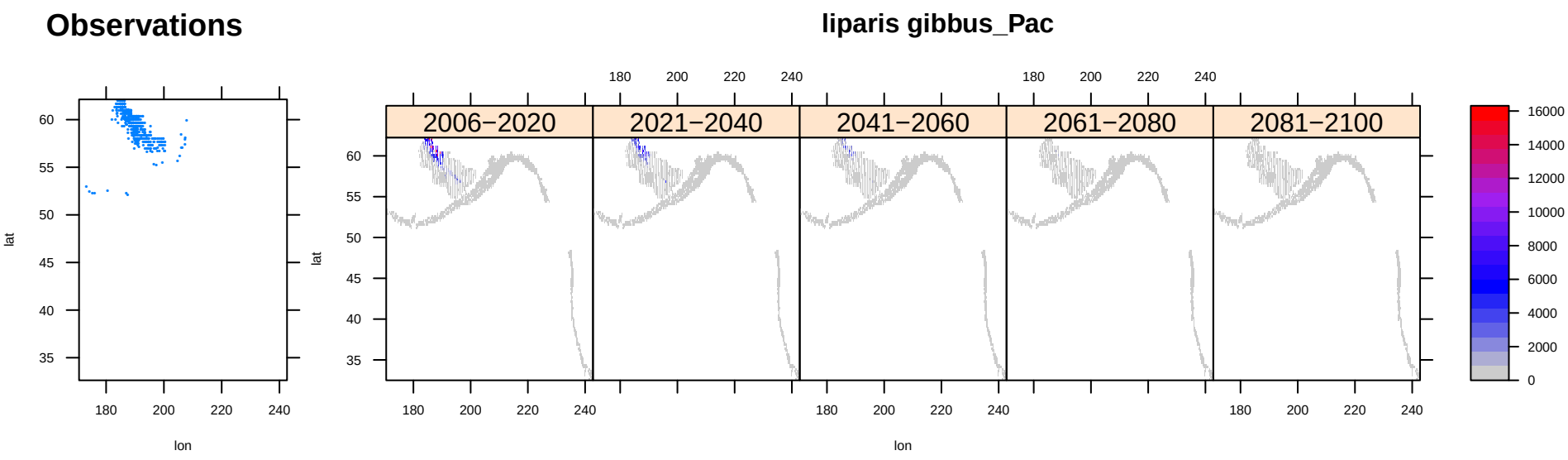
Observations
liparis gibbus_Pac
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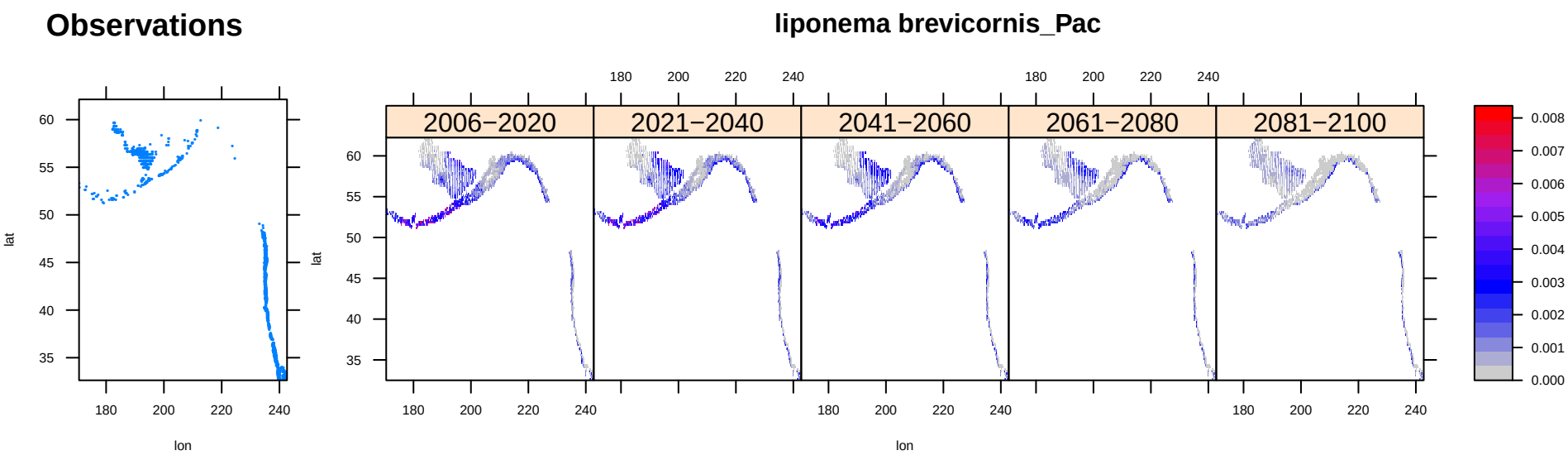
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liponema brevicornis_Pac
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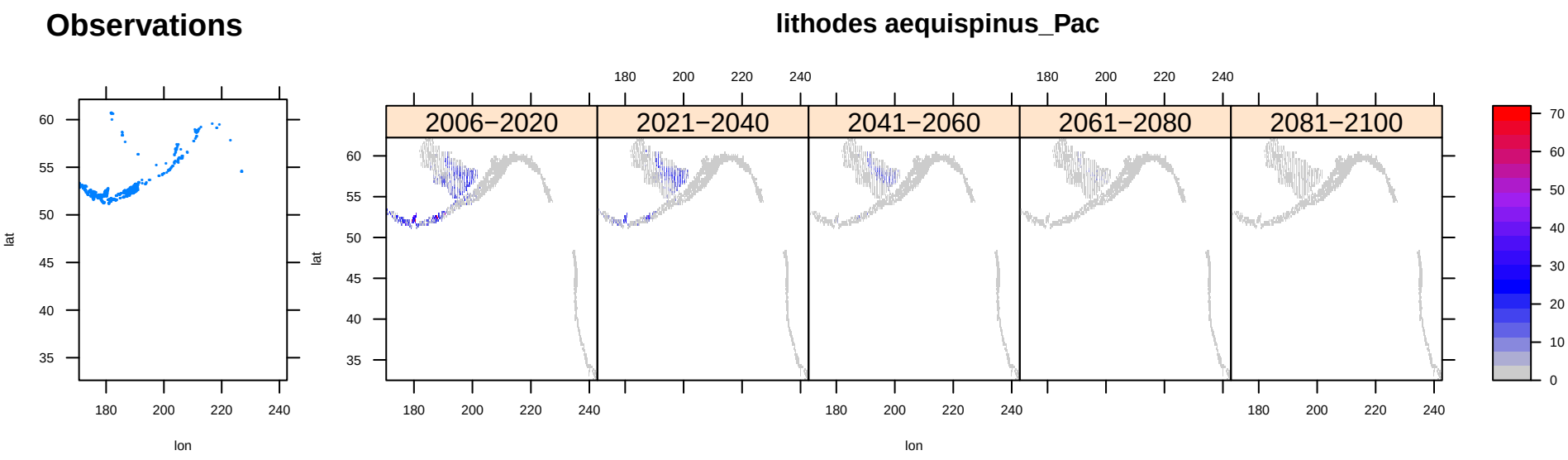
Observations
lithodes aequispinus_Pac
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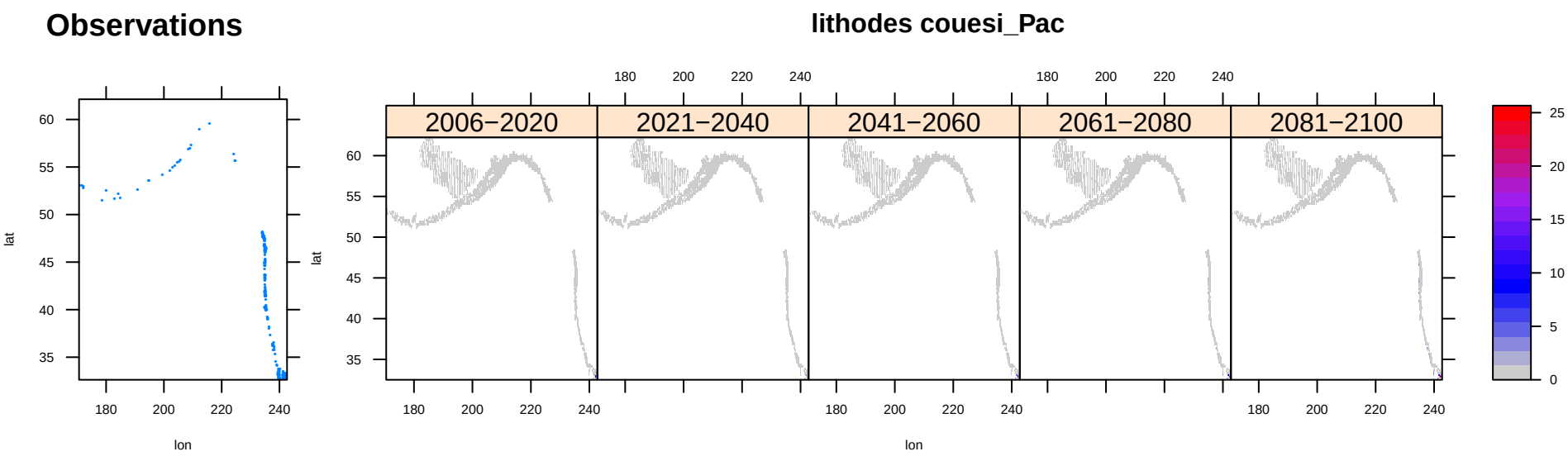
Observations
lithodes couesi_Pac
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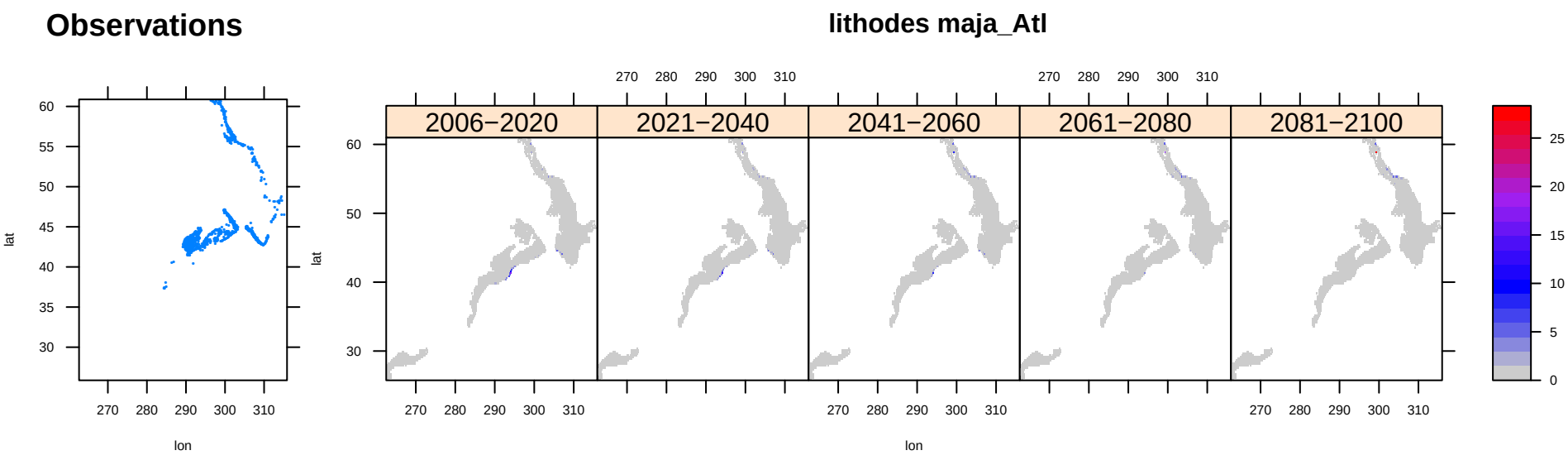
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lithodes maja_Atl
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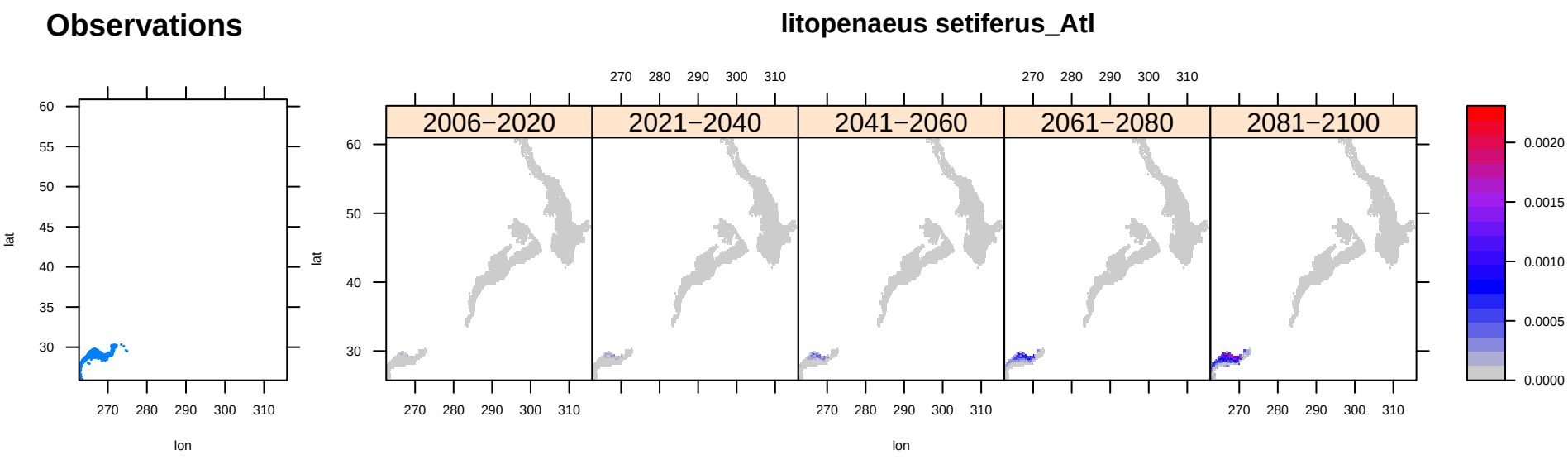
Observations
litopenaeus setiferus_Atl
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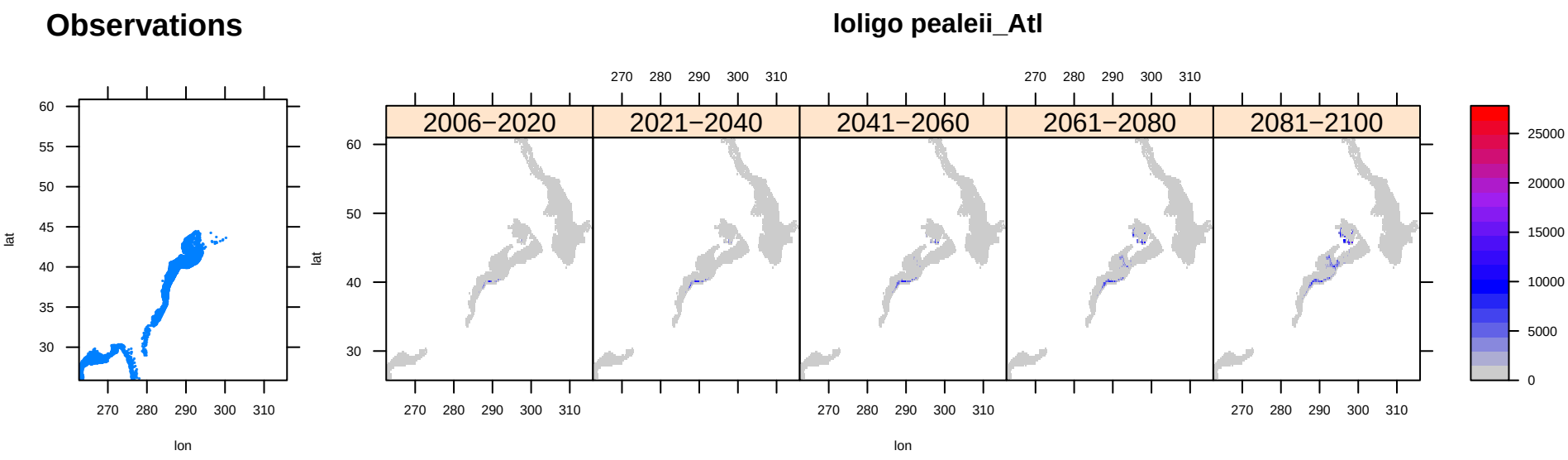
Observations
loligo pealeii_Atl
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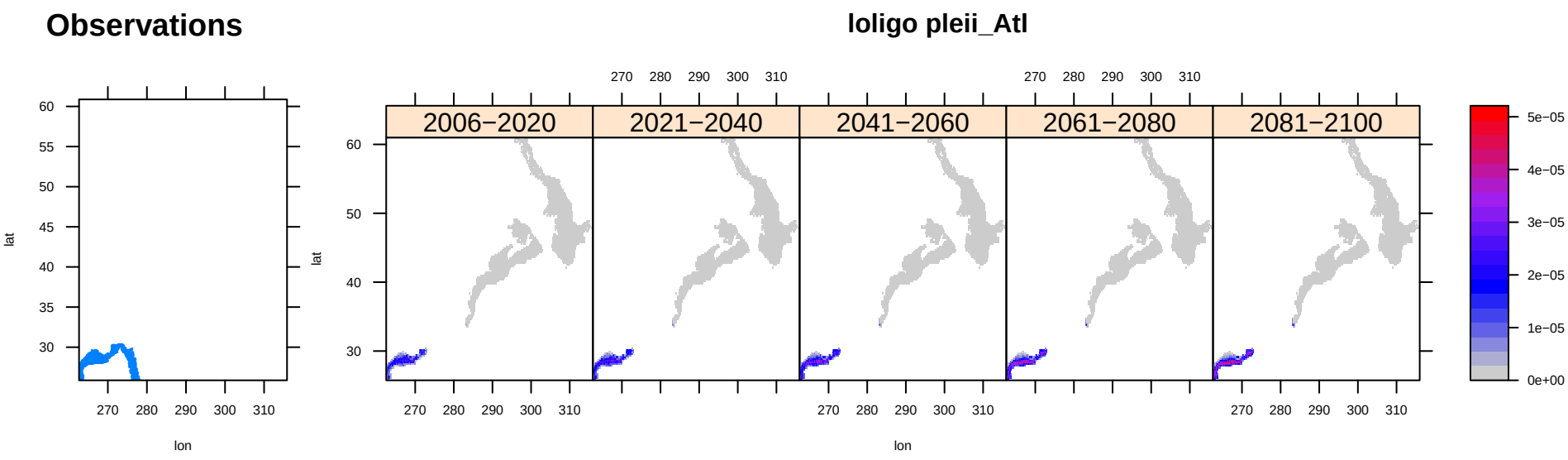
Observations
loligo pleii_Atl
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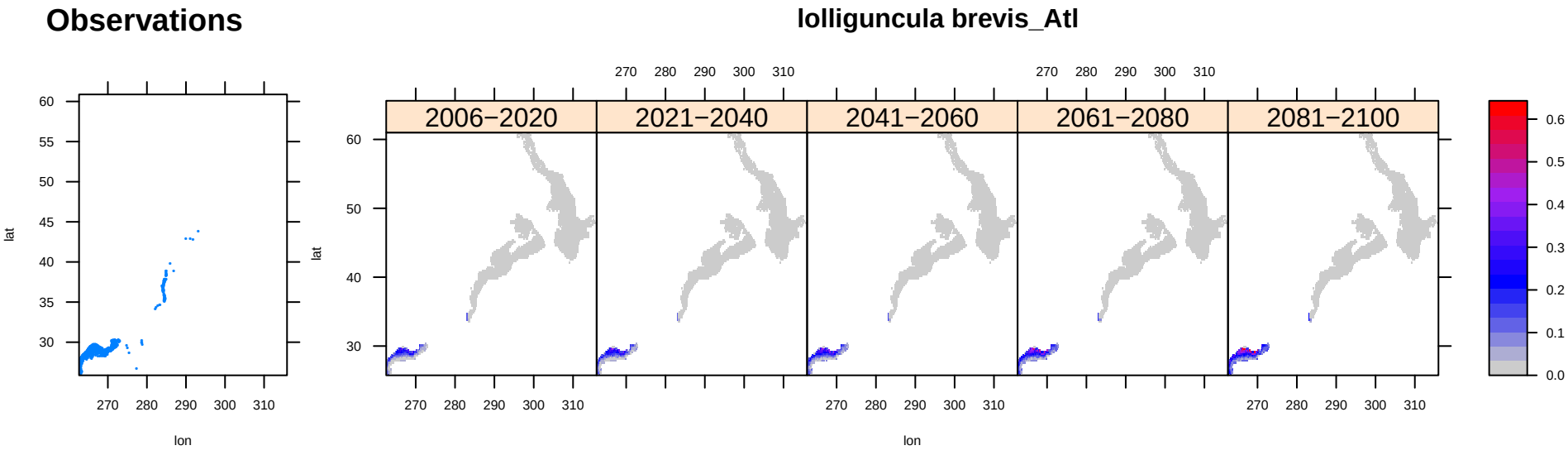
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lolliguncula brevis_Atl
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2021−2040
2041−2060
2061−2080
2081−2100
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lon
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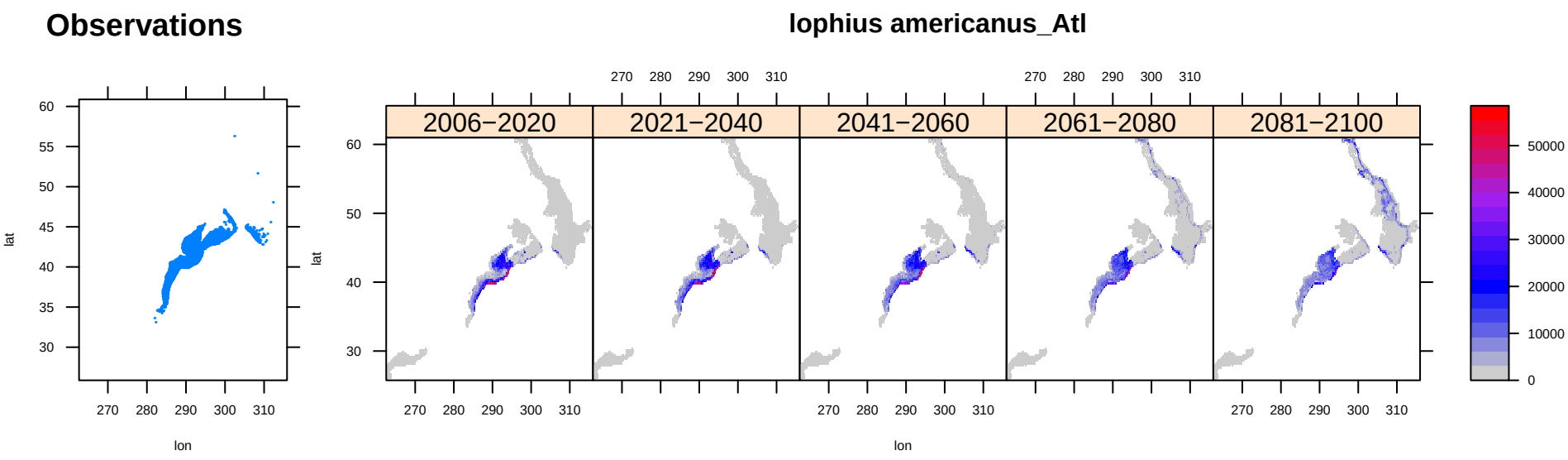
Observations
lophius americanus_Atl
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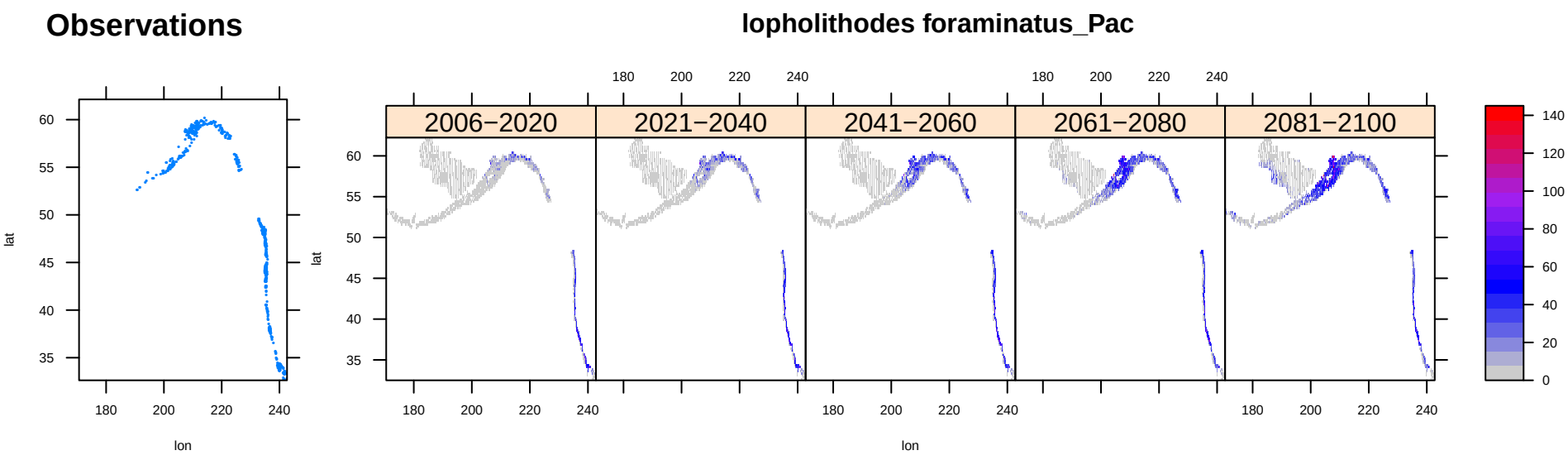
Observations
Iopholithodes foraminatus_Pac
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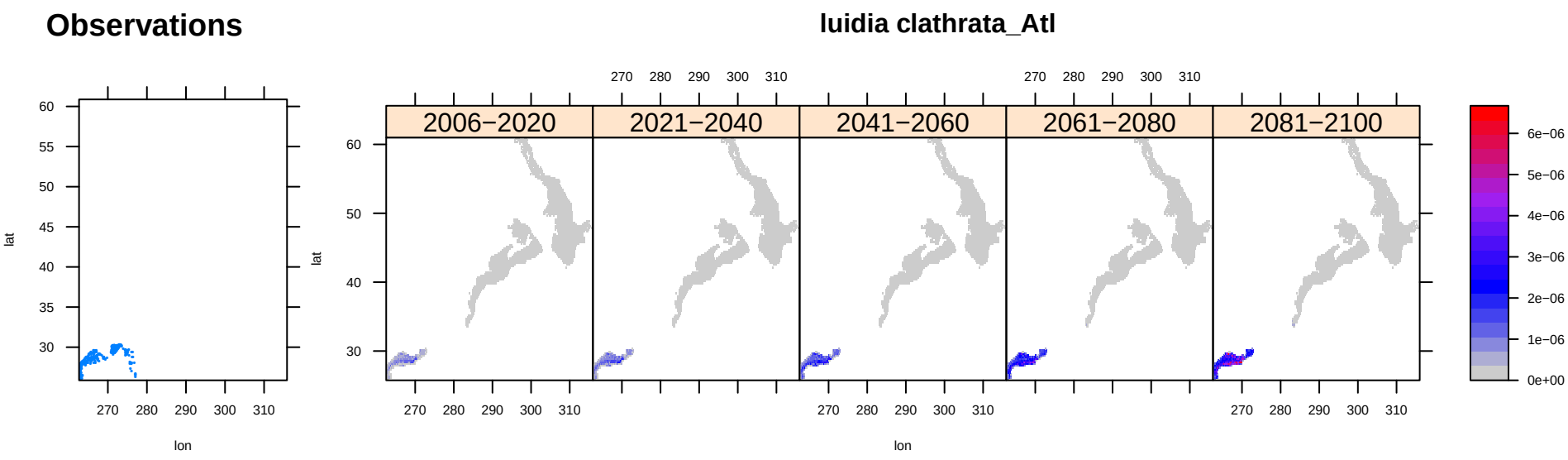
Observations
luidia clathrata_Atl
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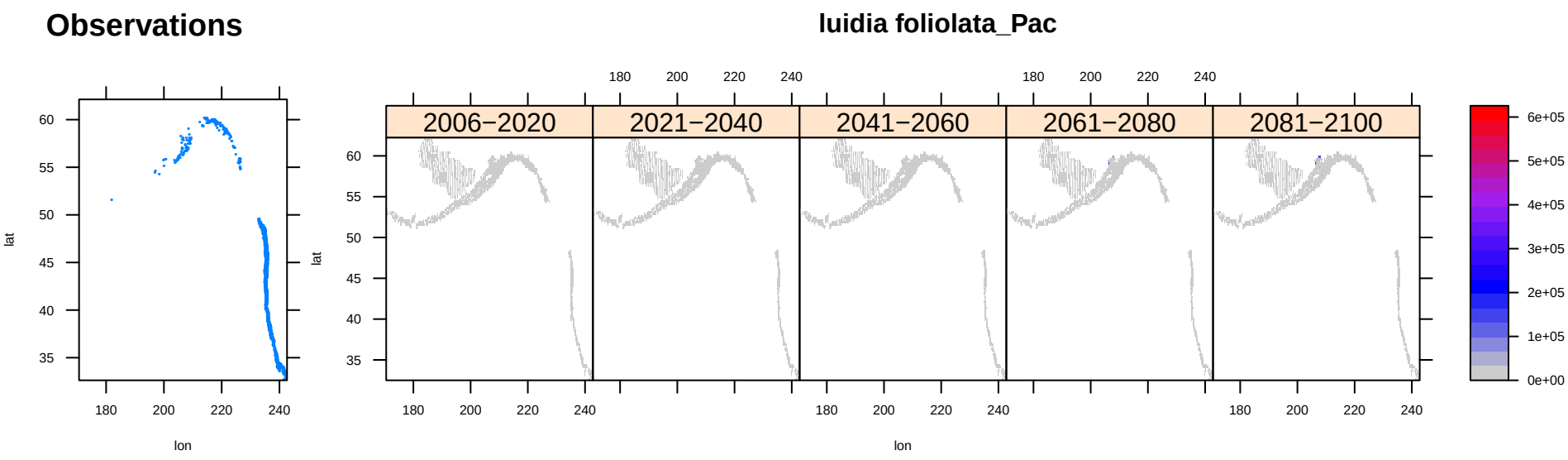
Observations
luidia foliolata_Pac
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lon
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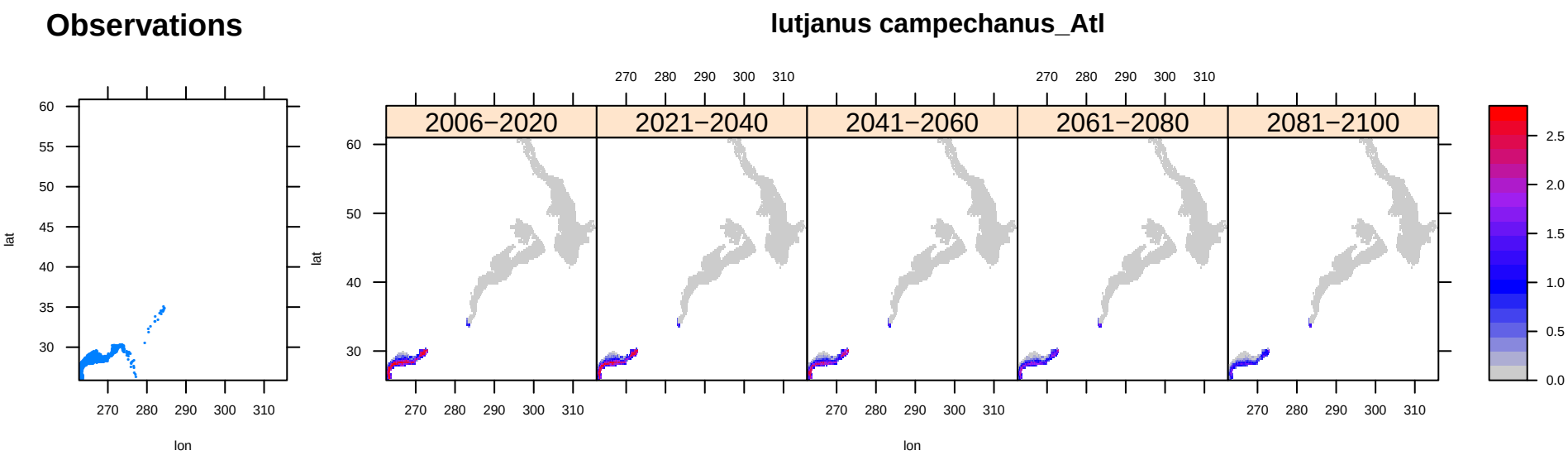
Observations
lutjanus campechanus_Atl
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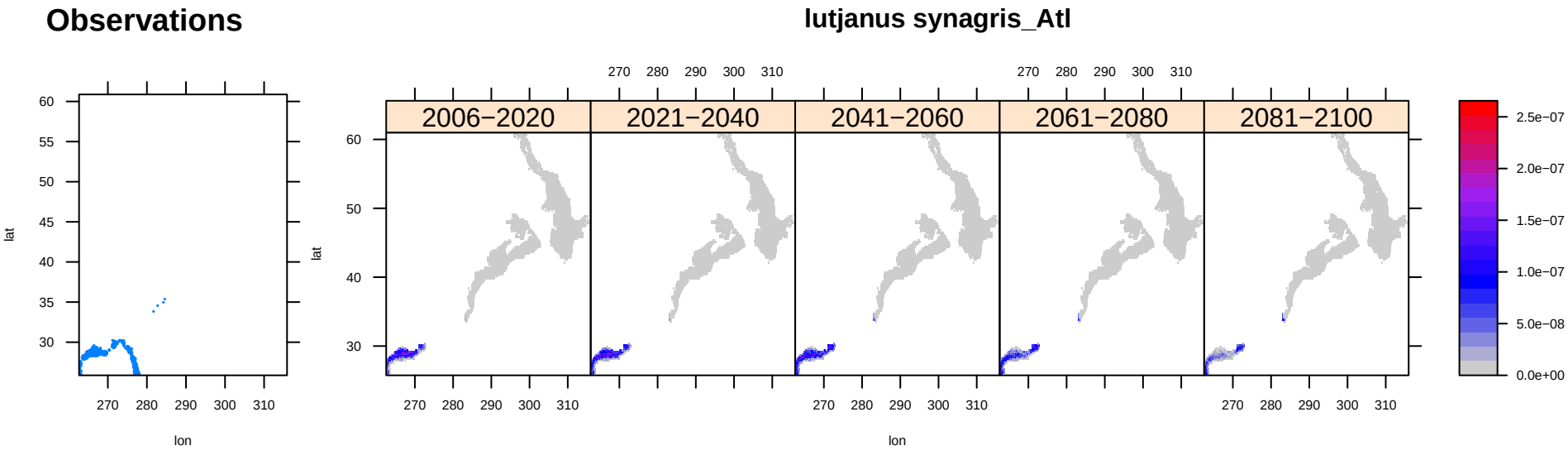
Observations
lutjanus synagris_Atl
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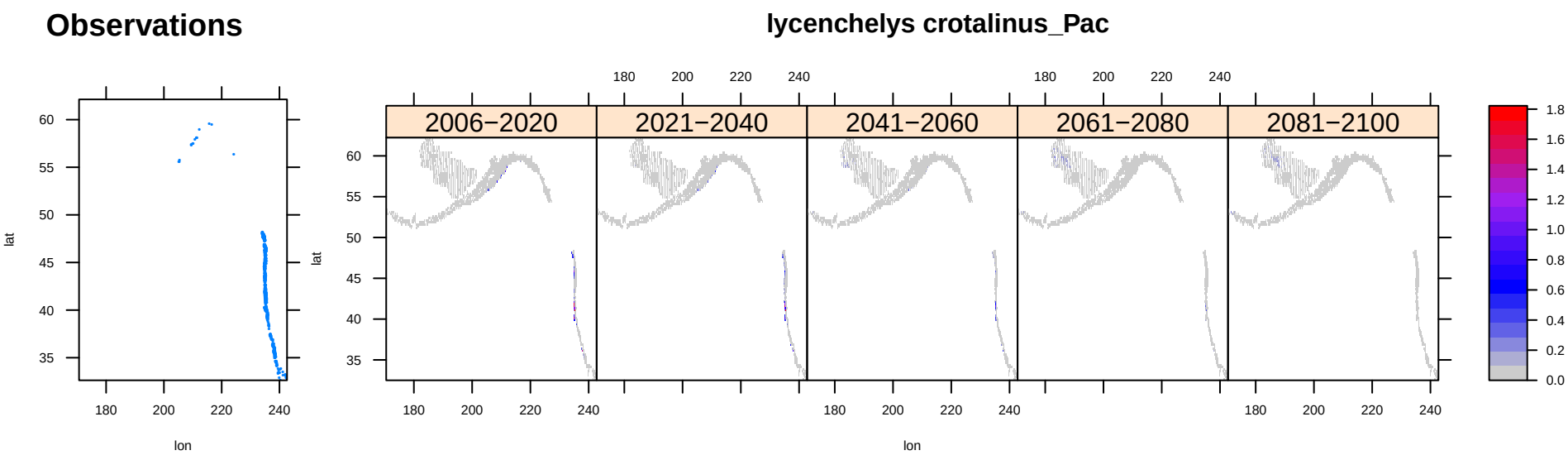
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lycenchelys crotalinus_Pac
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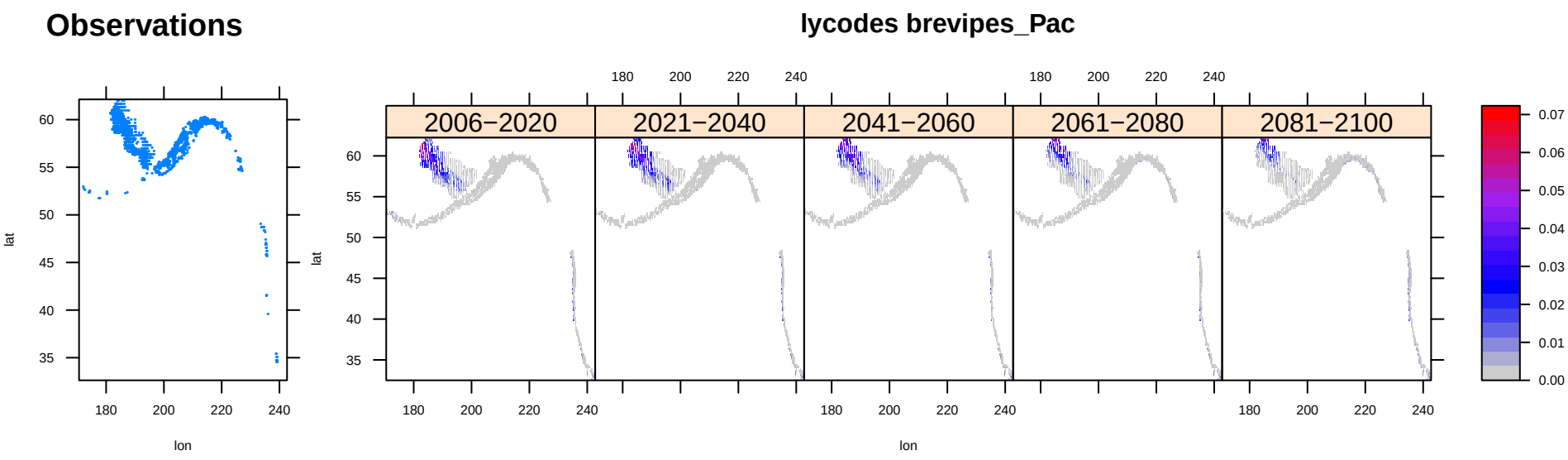
Observations
lycodes brevipes_Pac
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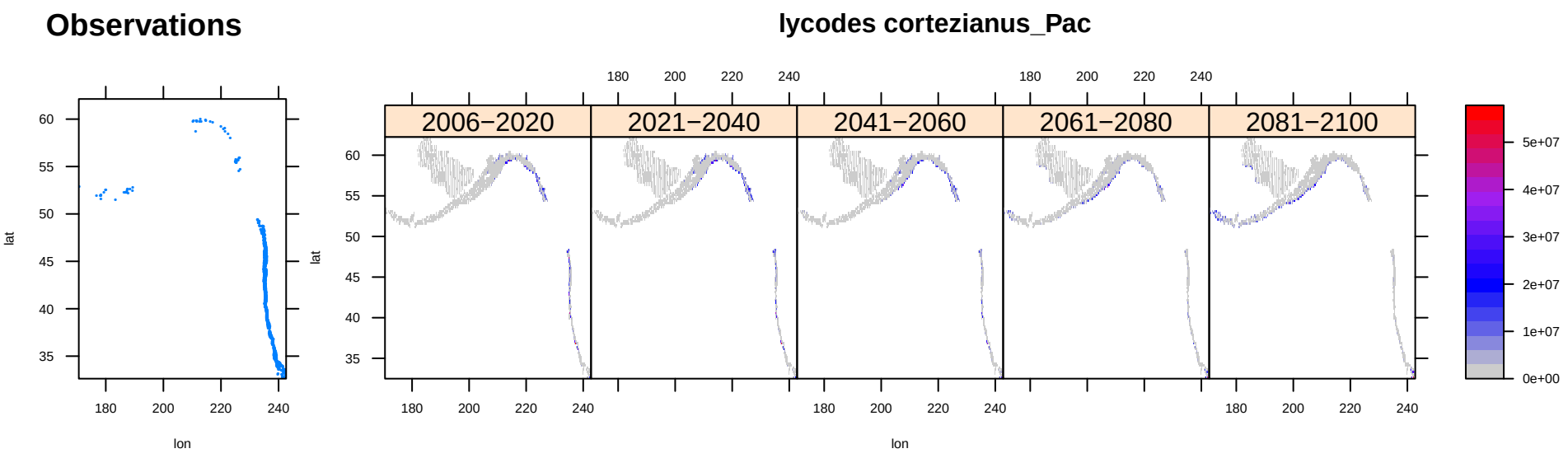
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lycodes cortezianus_Pac
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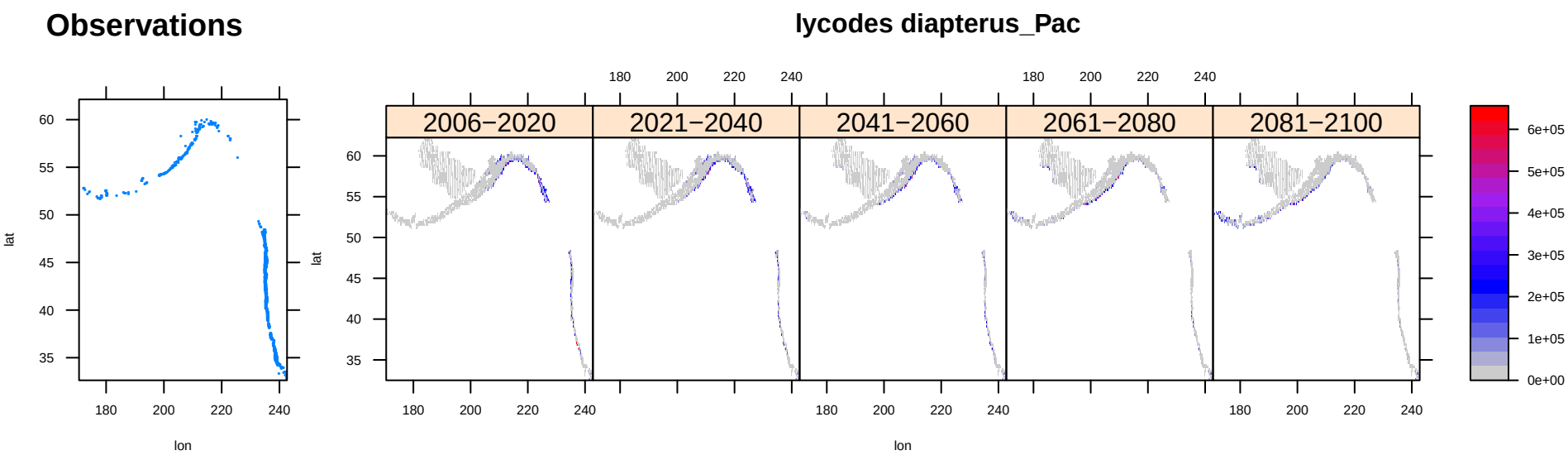
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lycodes diapterus_Pac
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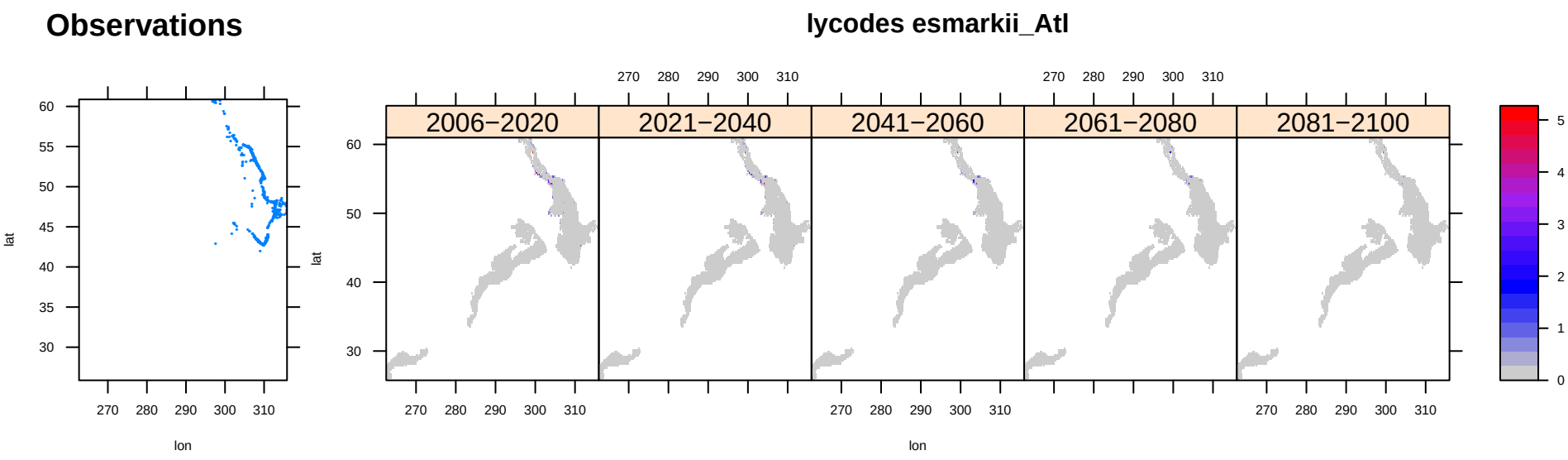
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lycodes esmarkii_Atl
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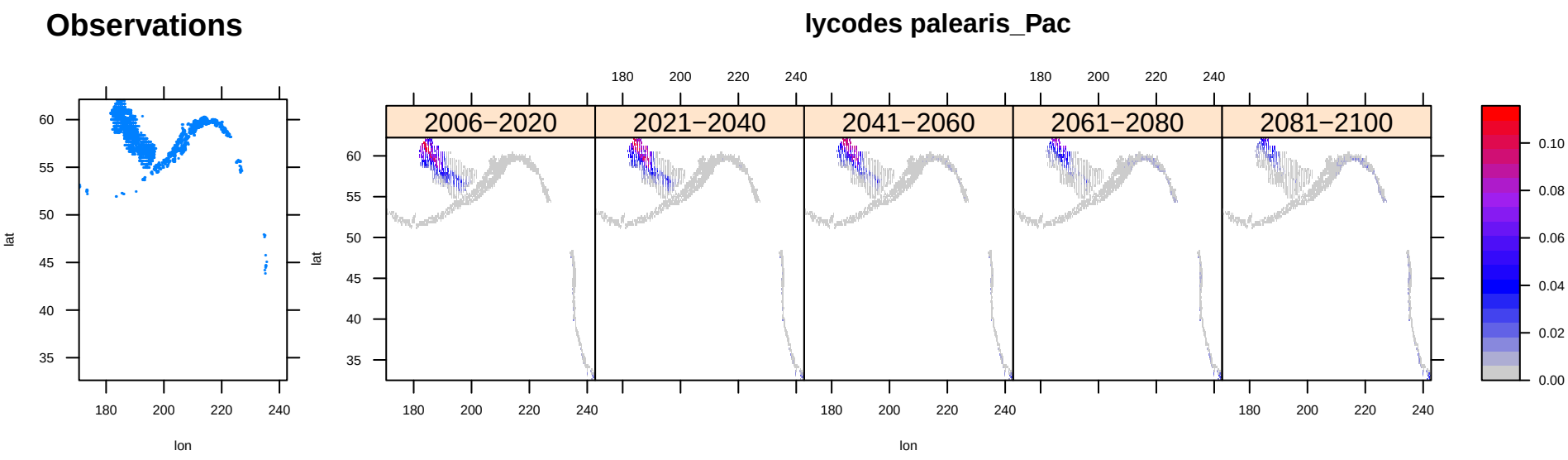
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lycodes palearis_Pac
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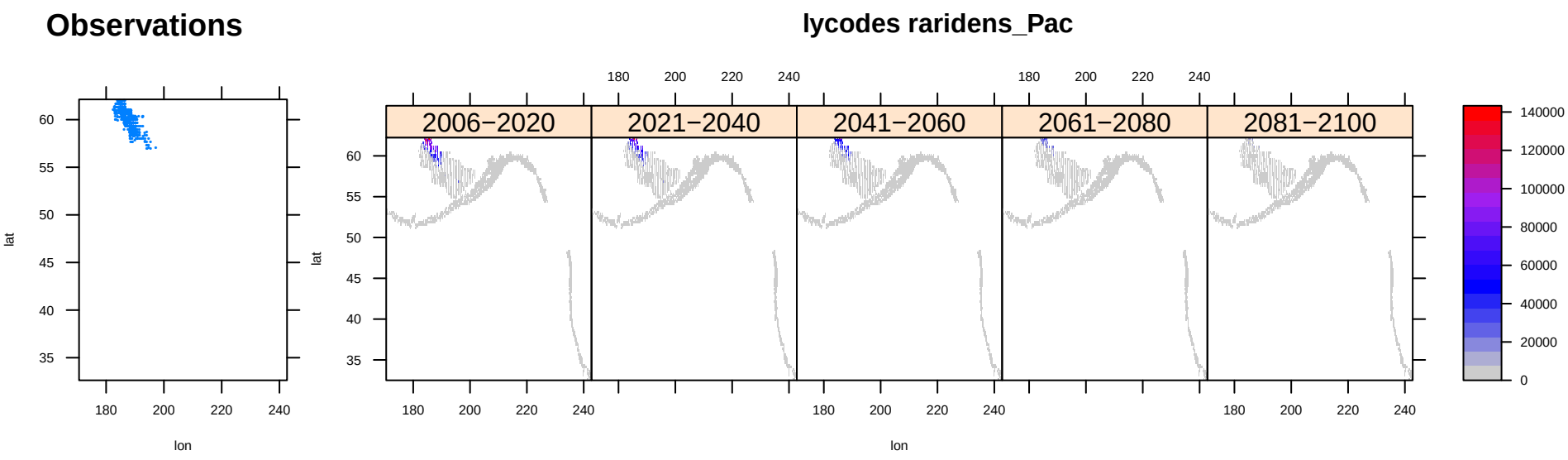
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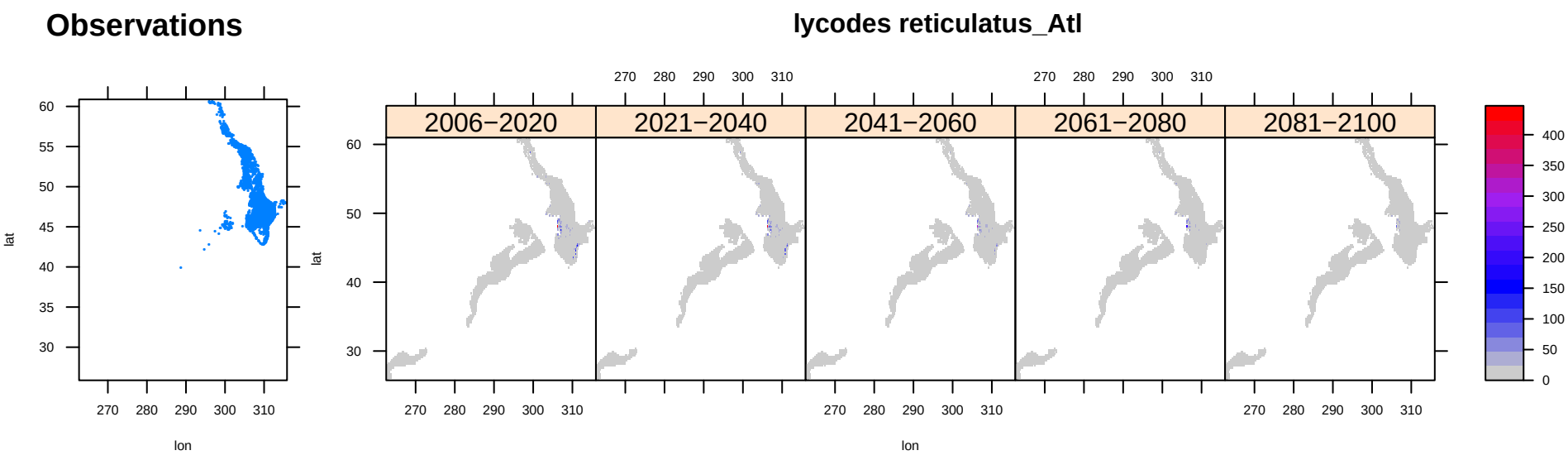
Observations
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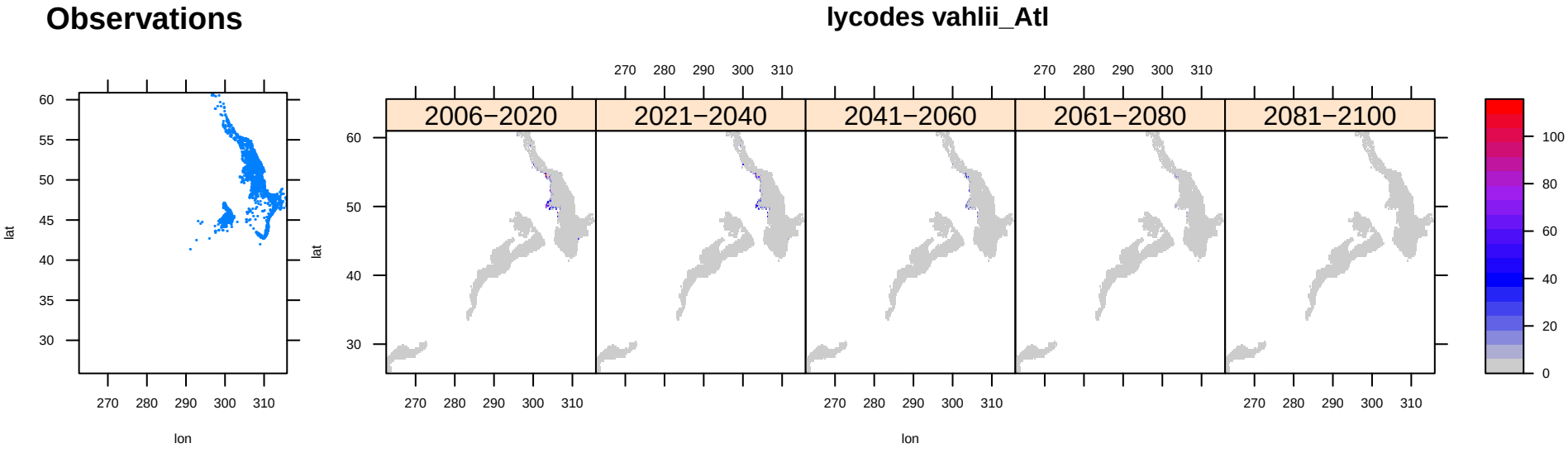
Observations
lycodes vahlii_Atl
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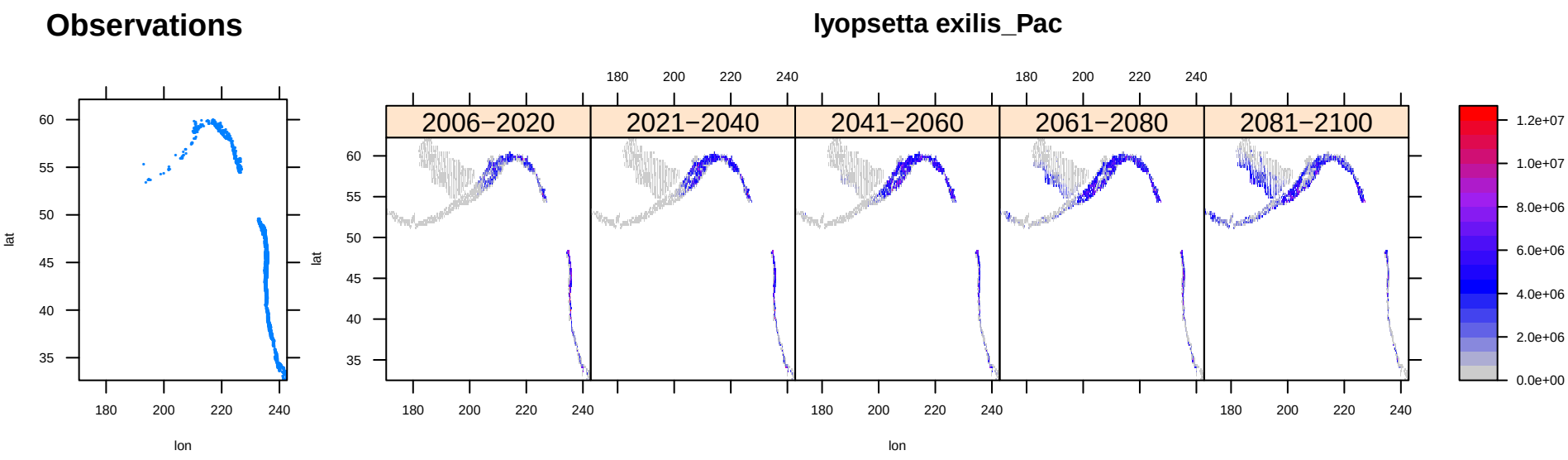
Observations
lyopsetta exilis_Pac
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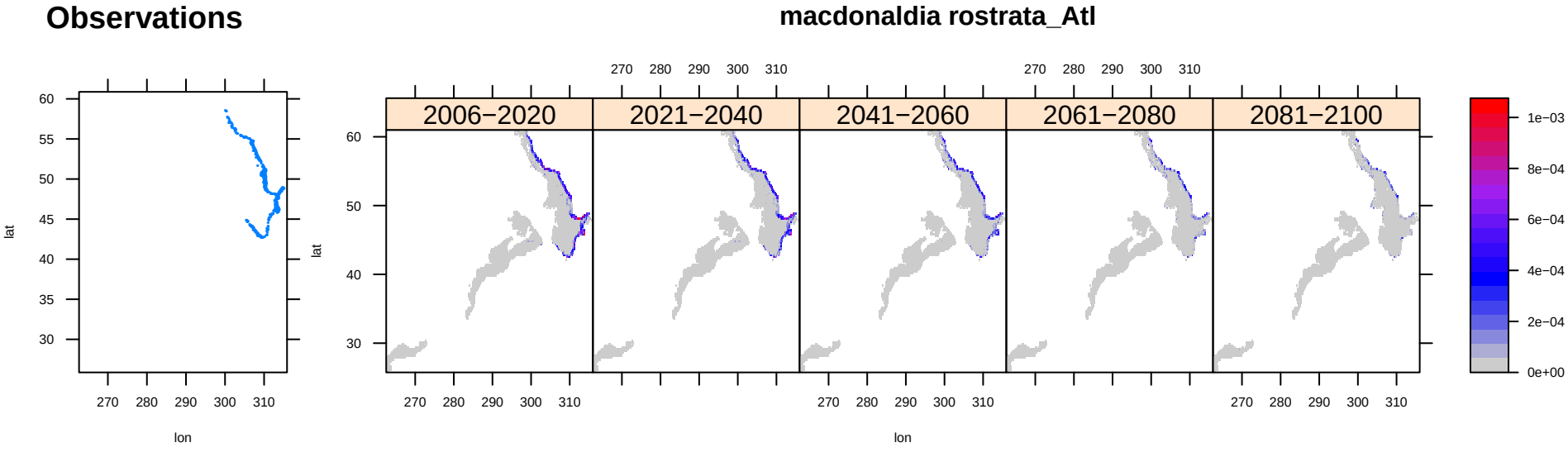
Observations
macdonaldia rostrata_Atl
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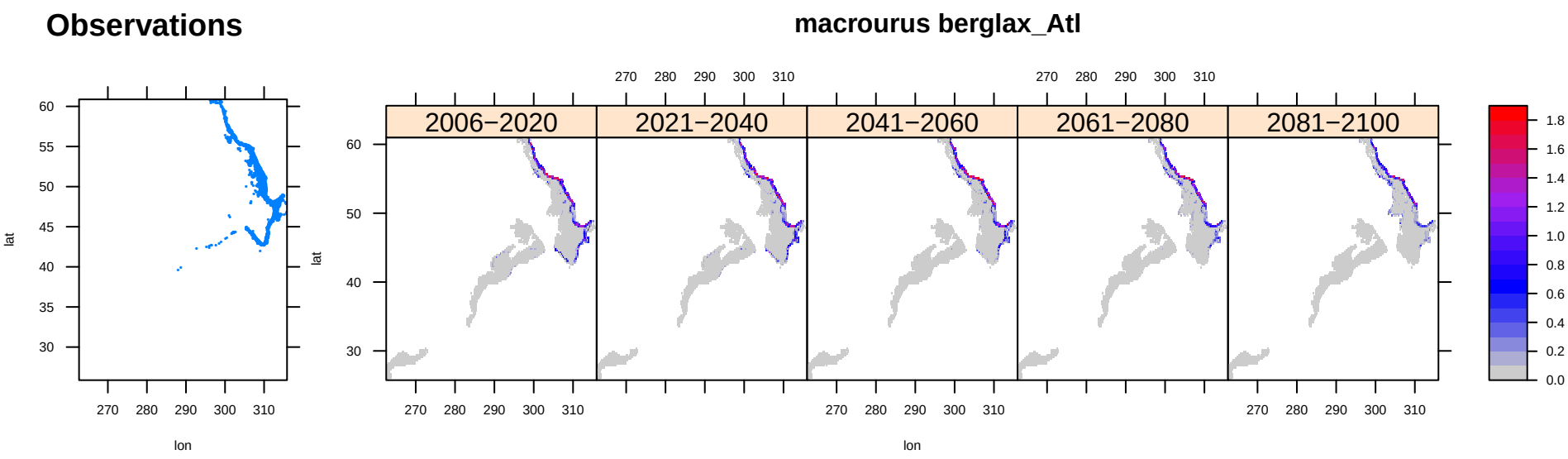
Observations
macrourus berglax_Atl
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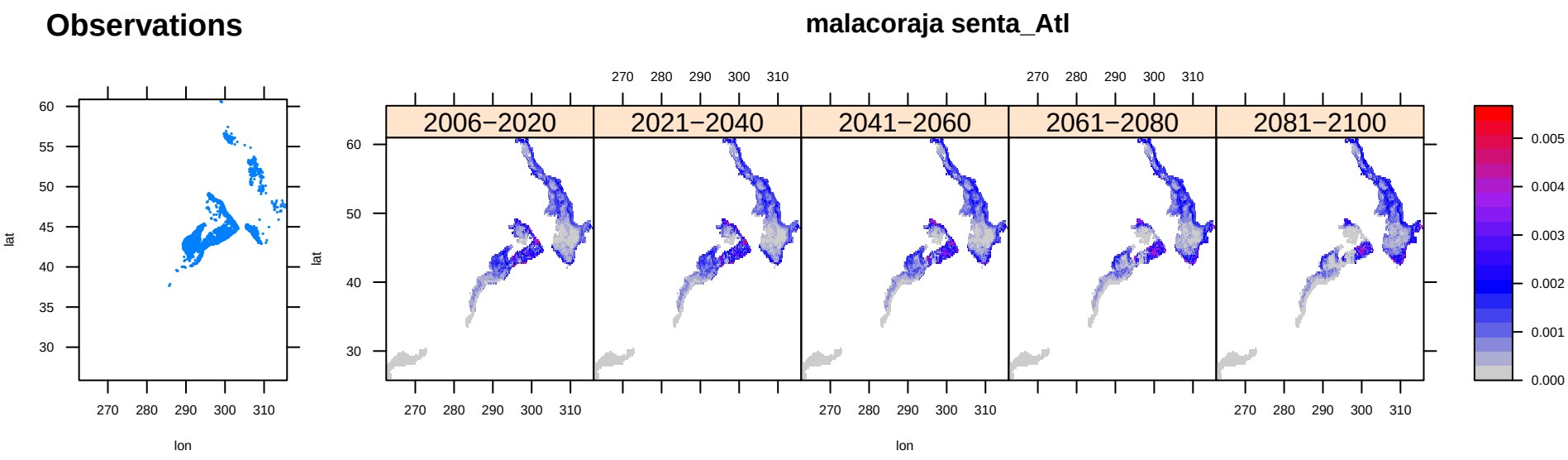
Observations
malacoraja senta_Atl
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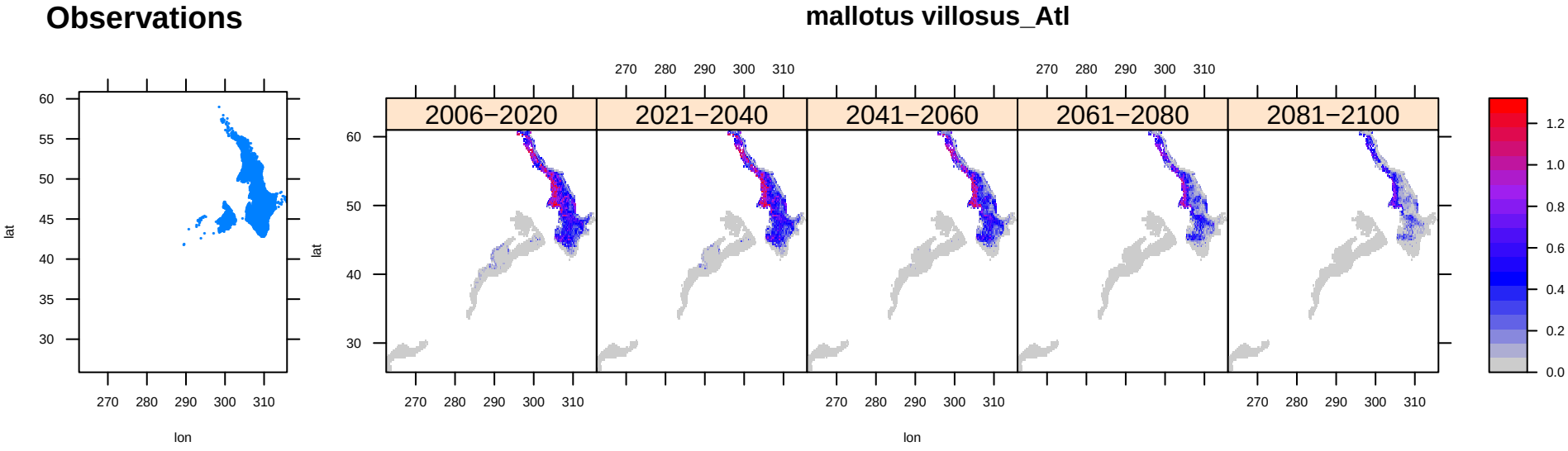
Observations
mallotus villosus_Atl
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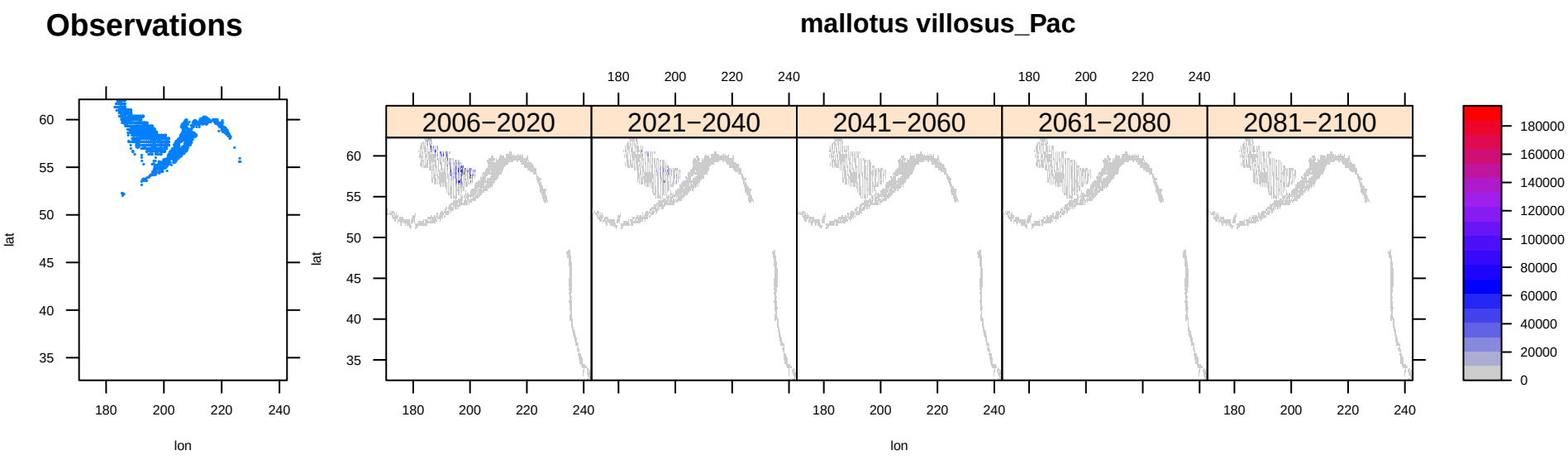
Observations
mallotus villosus_Pac
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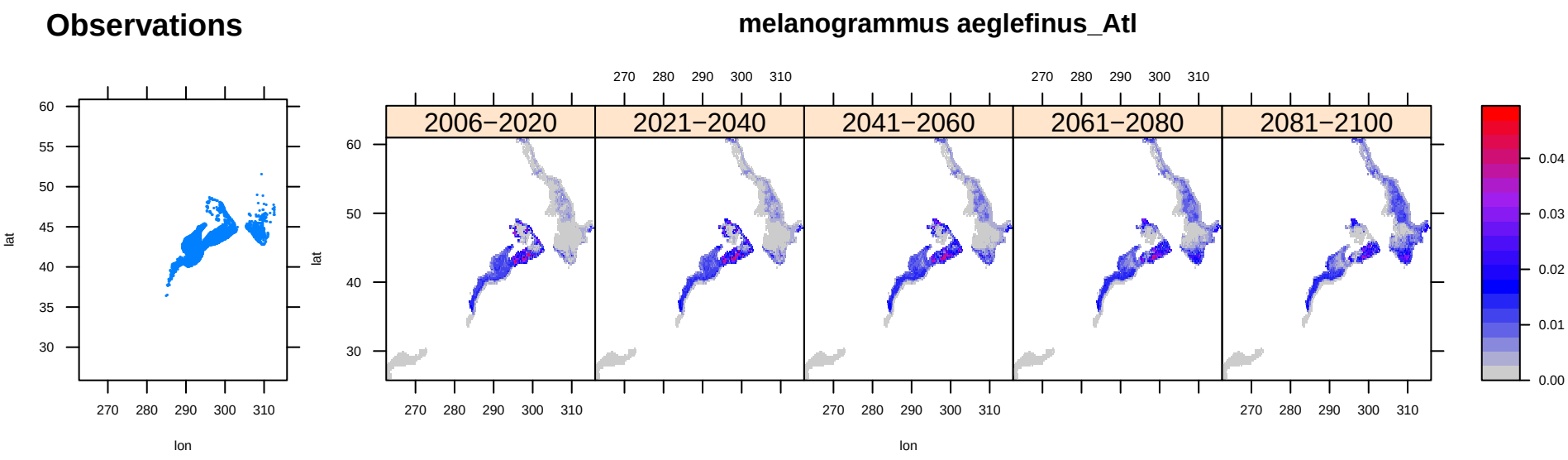
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melanogrammus aeglefinus_Atl
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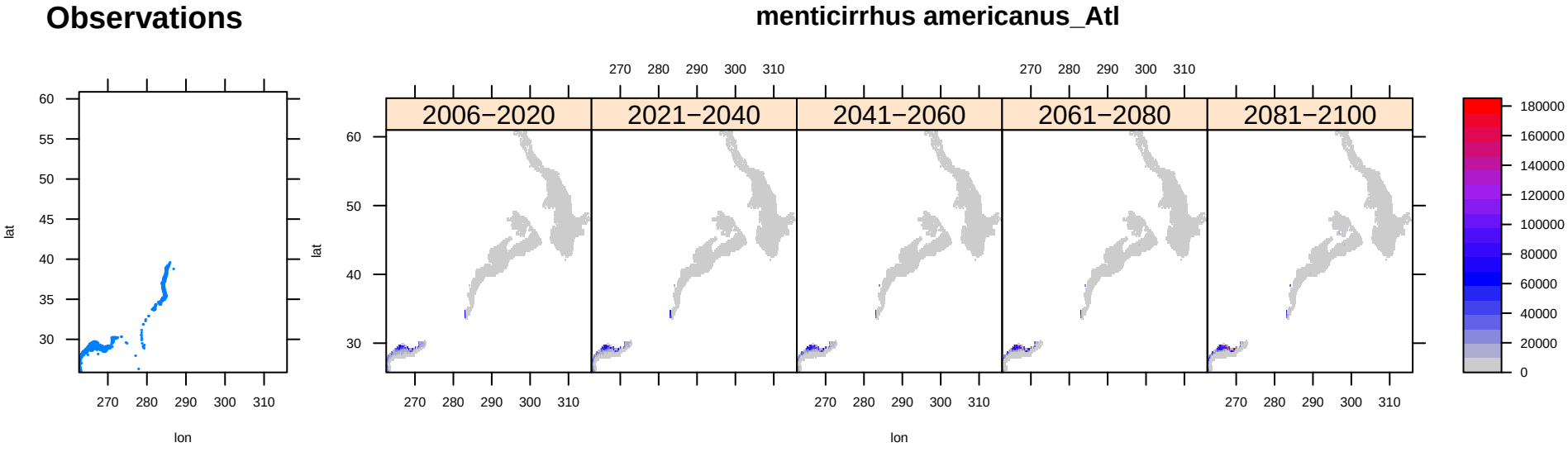
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menticirrhus americanus_Atl
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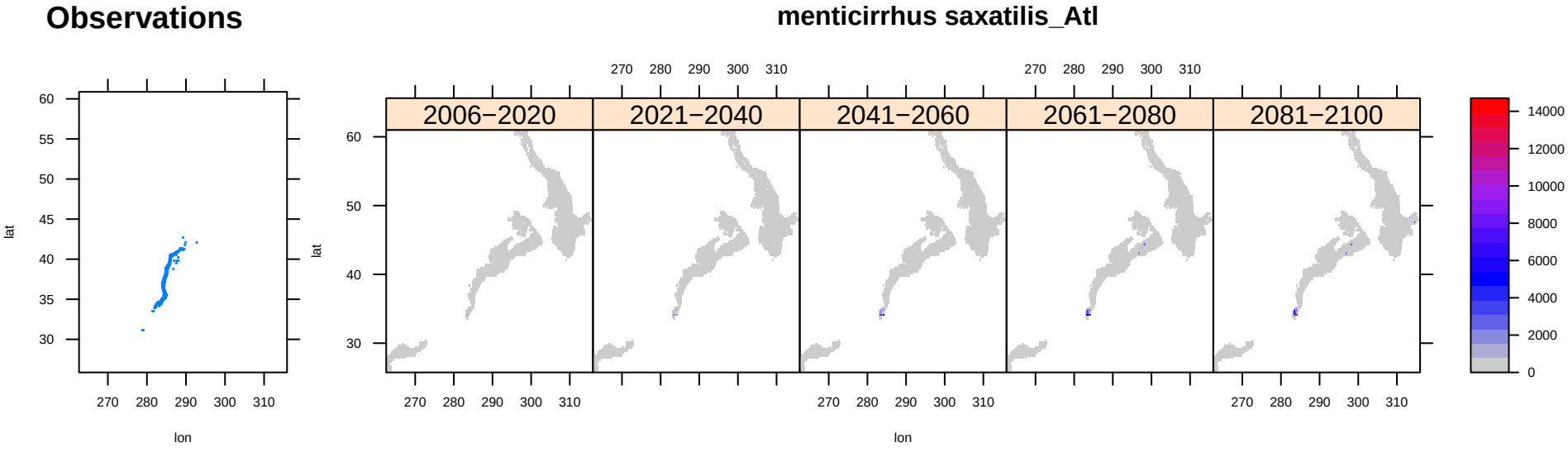
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menticirrhus saxatilis_Atl
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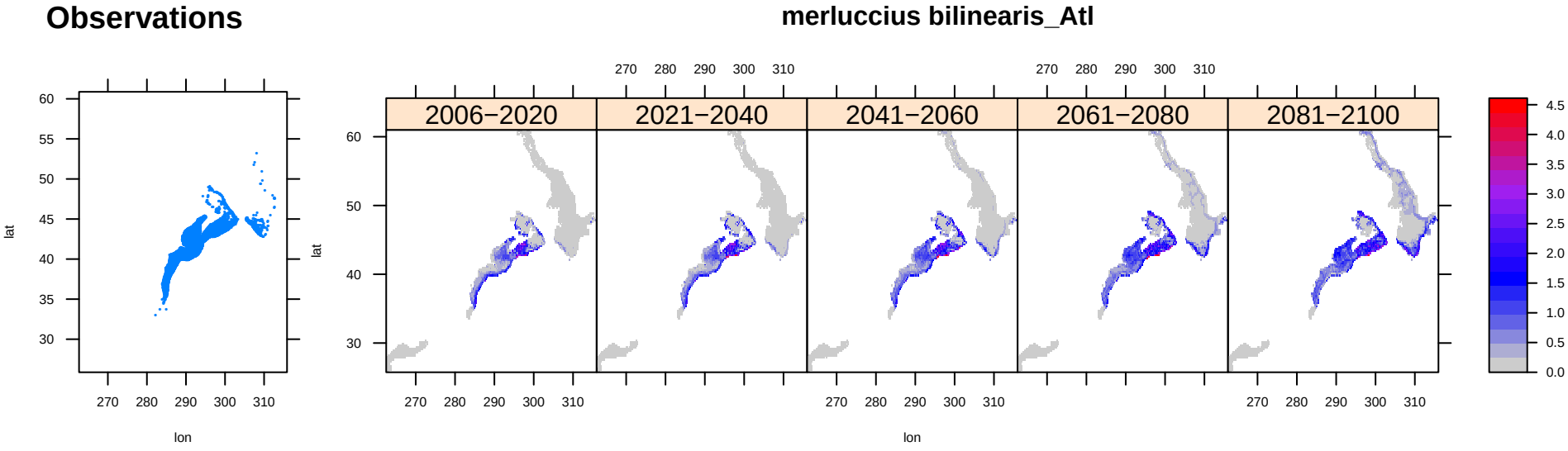
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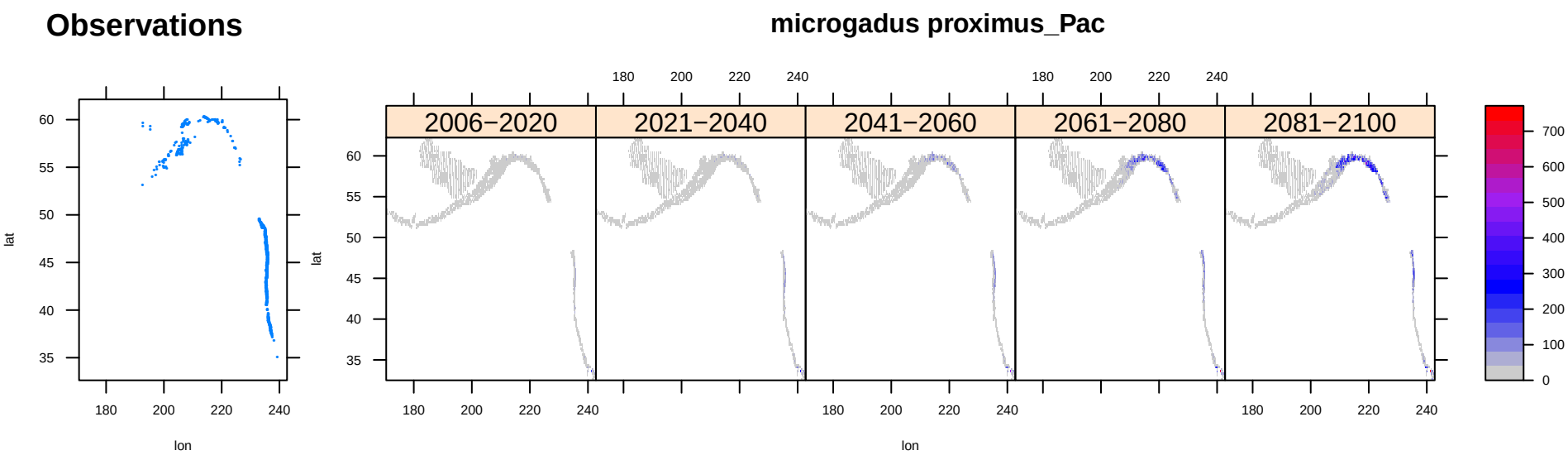
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microgadus proximus_Pac
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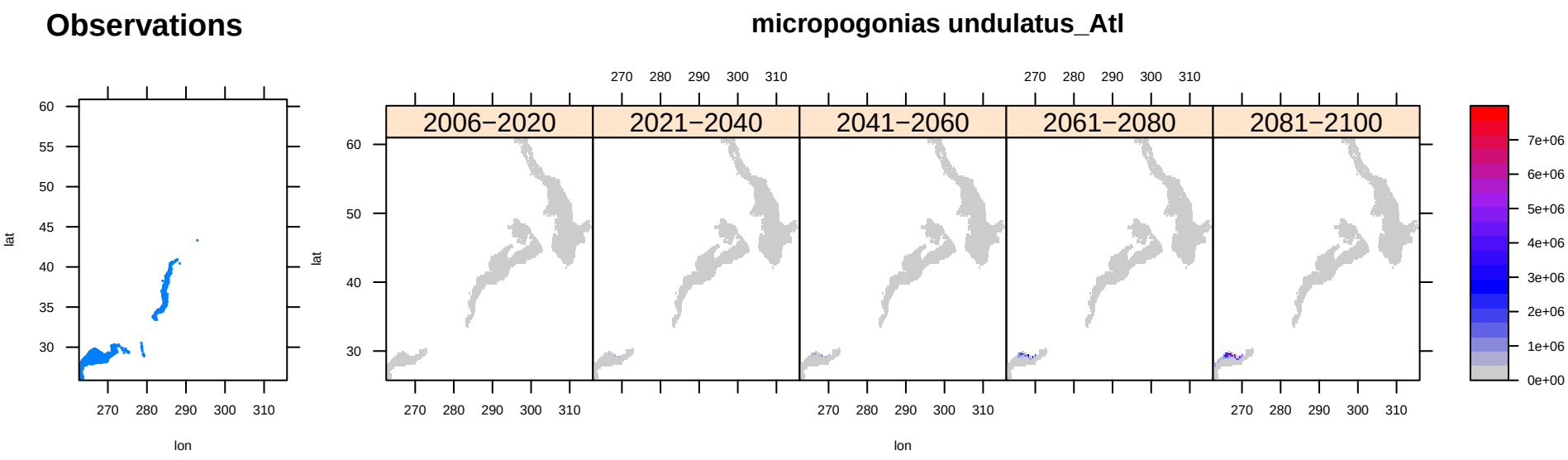
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micropogonias undulatus_Atl
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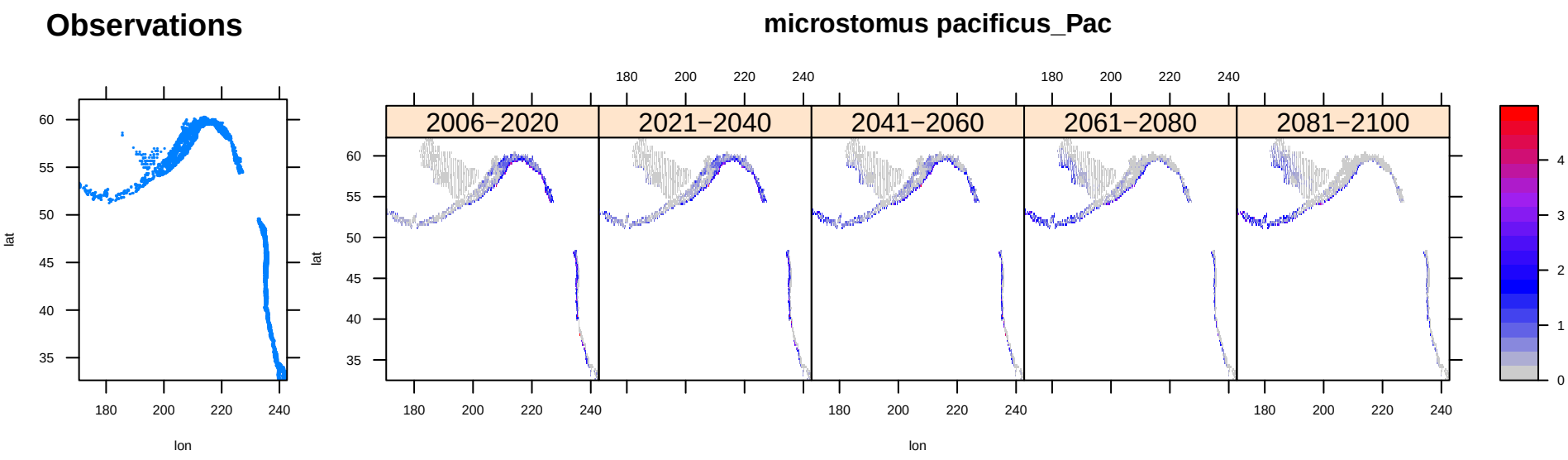
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microstomus pacificus_Pac
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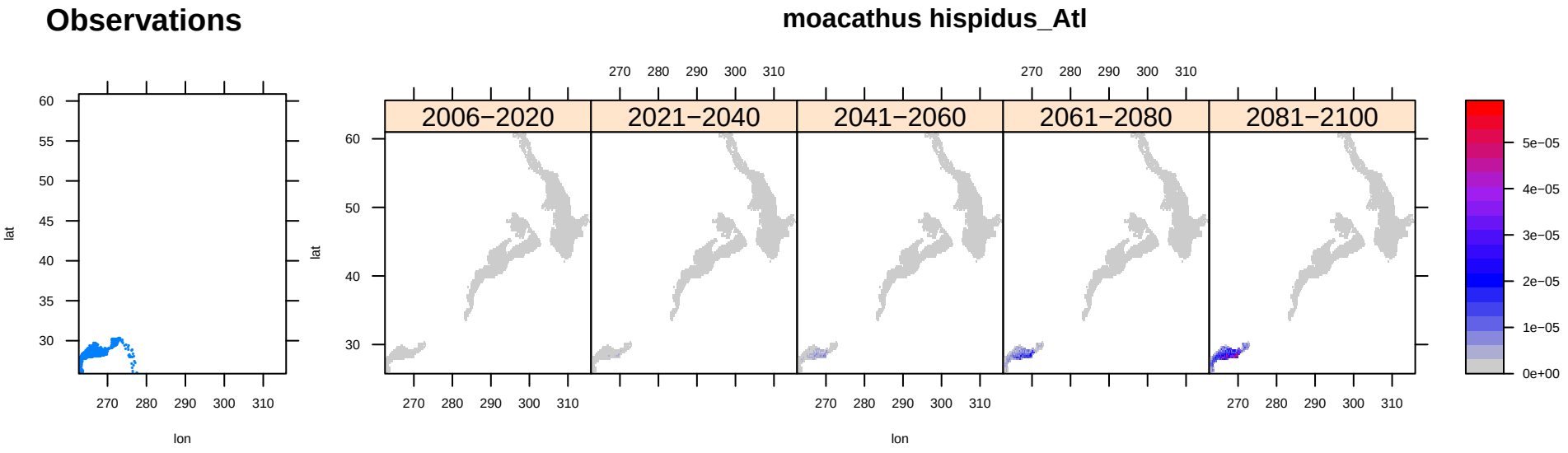
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moacathus hispidus_Atl
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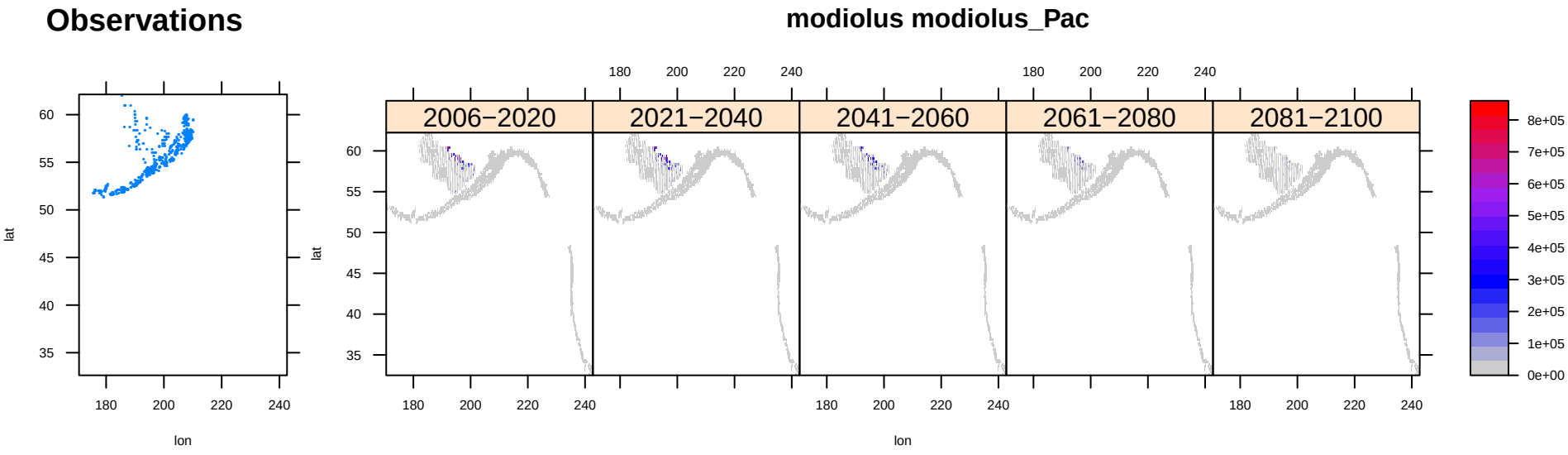
Observations
modiolus modiolus_Pac
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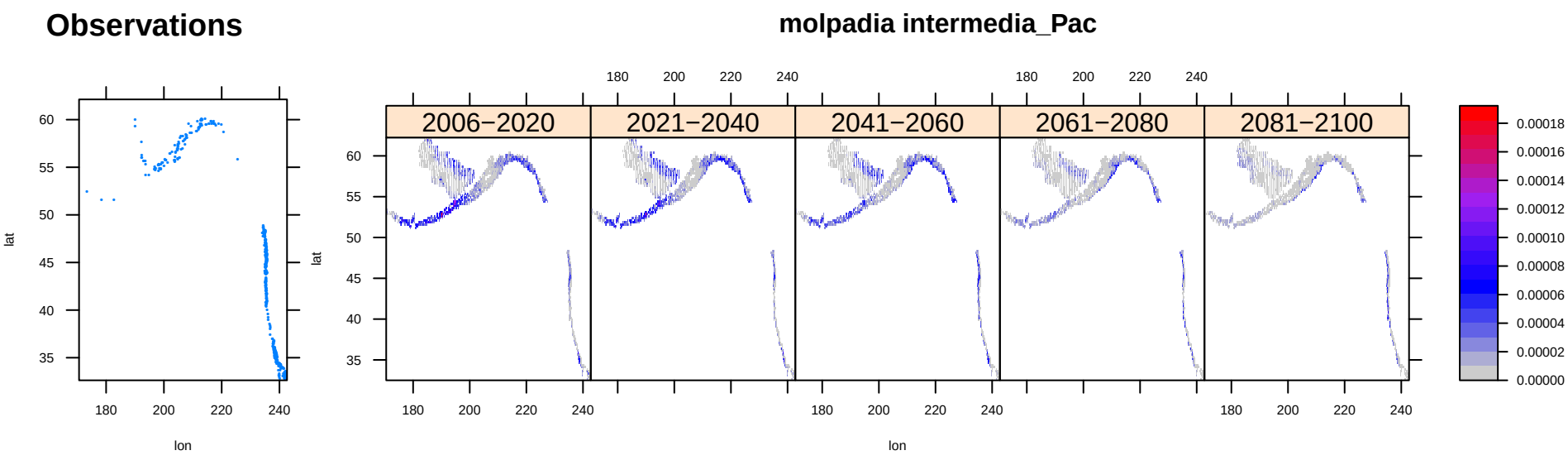
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molpadia intermedia_Pac
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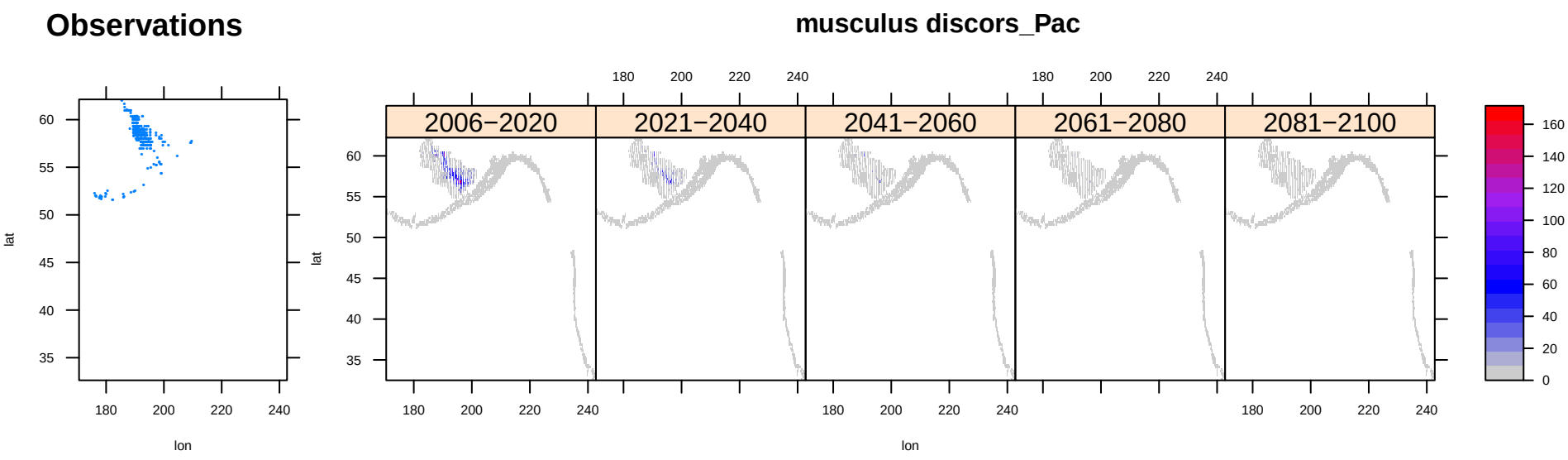
Observations
musculus discors_Pac
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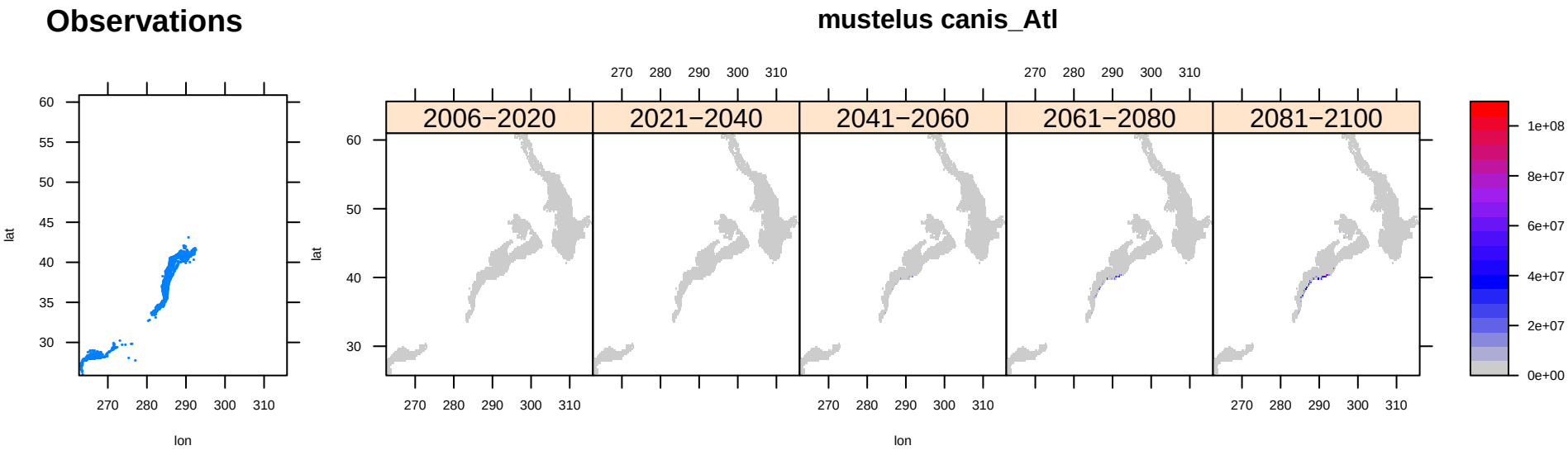
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mustelus canis_Atl
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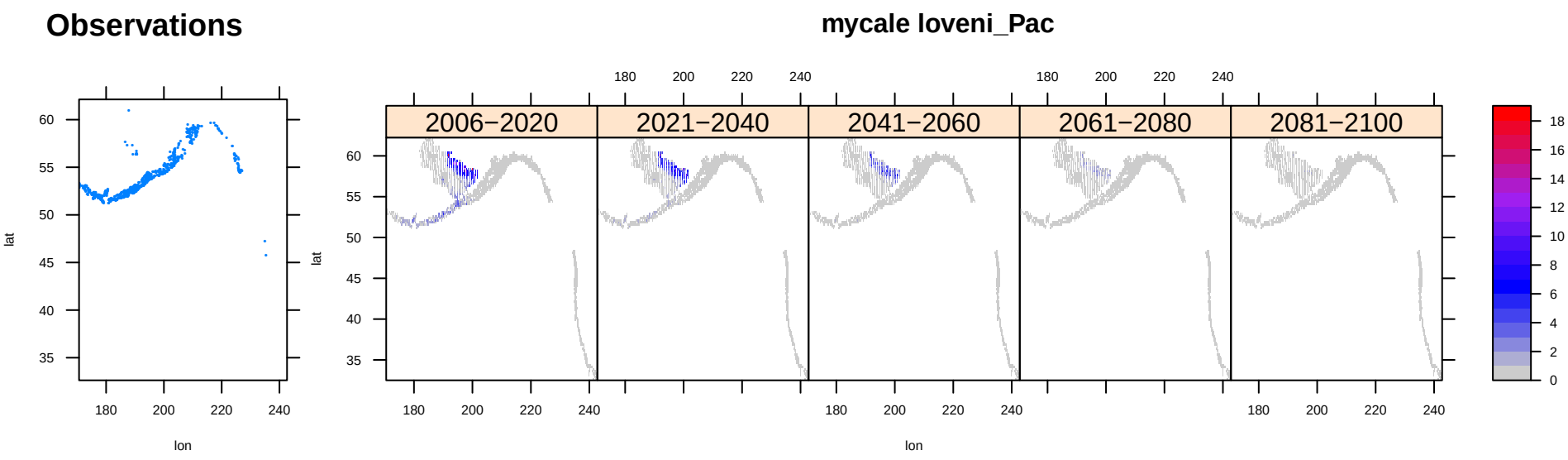
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mycale loveni_Pac
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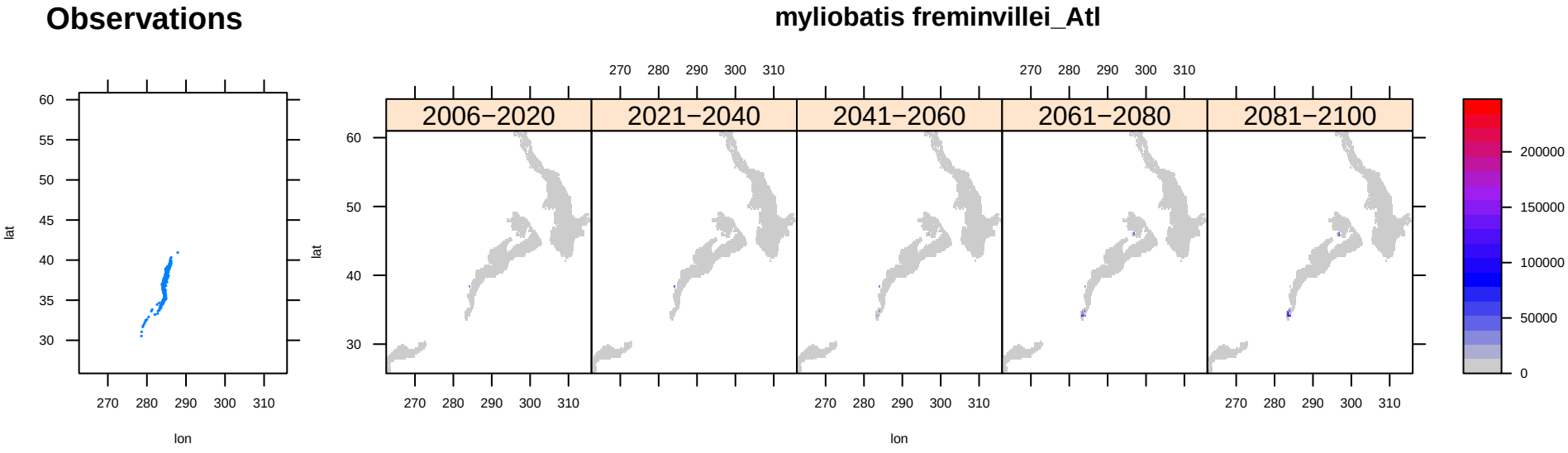
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myliobatis freminvillei_Atl
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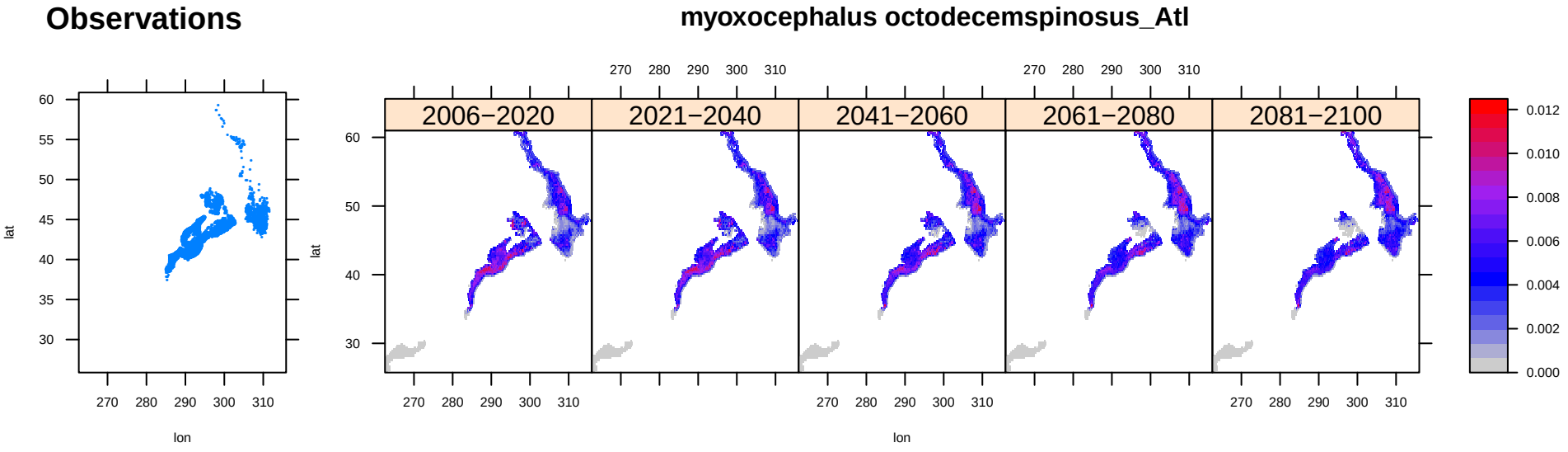
Observations
myoxocephalus octodecemspinosus_Atl
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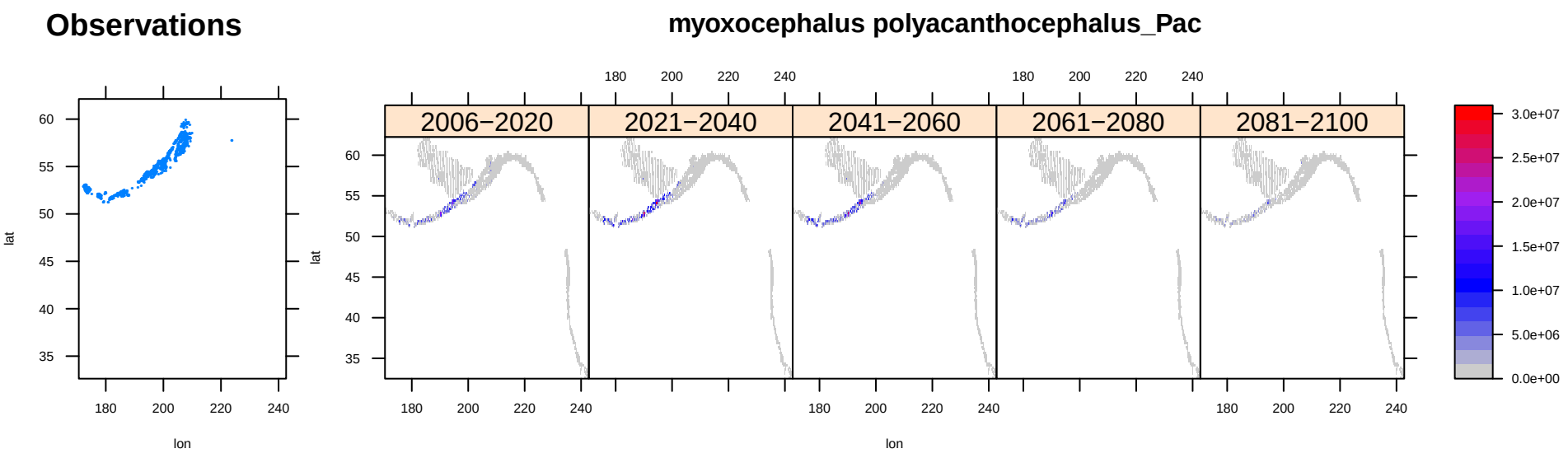
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myoxocephalus polyacanthocephalus_Pac
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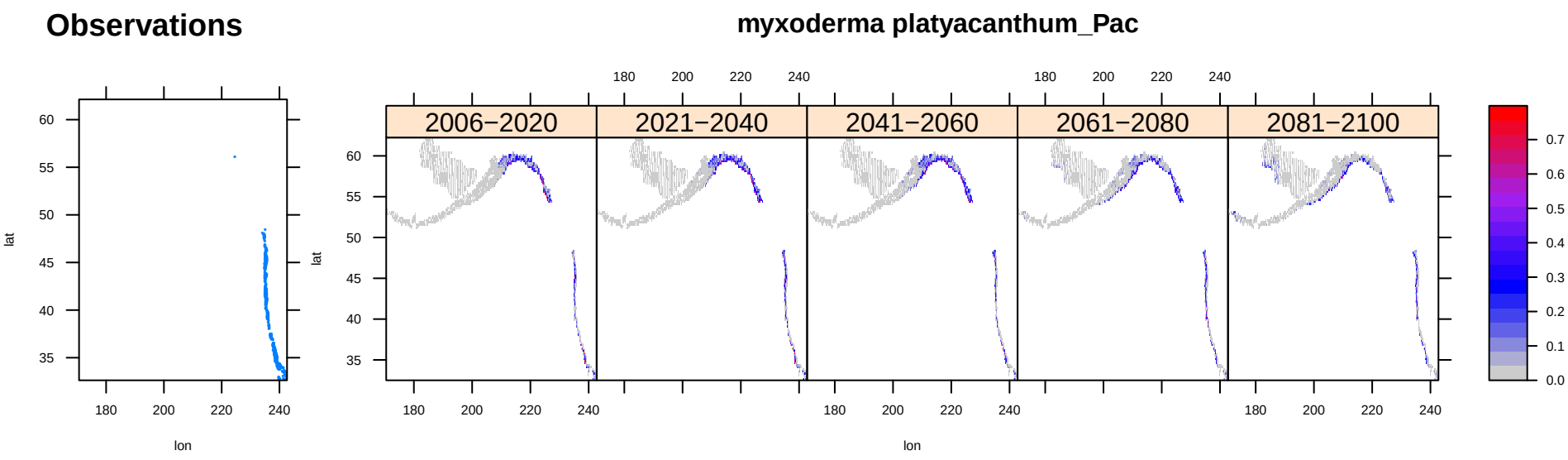
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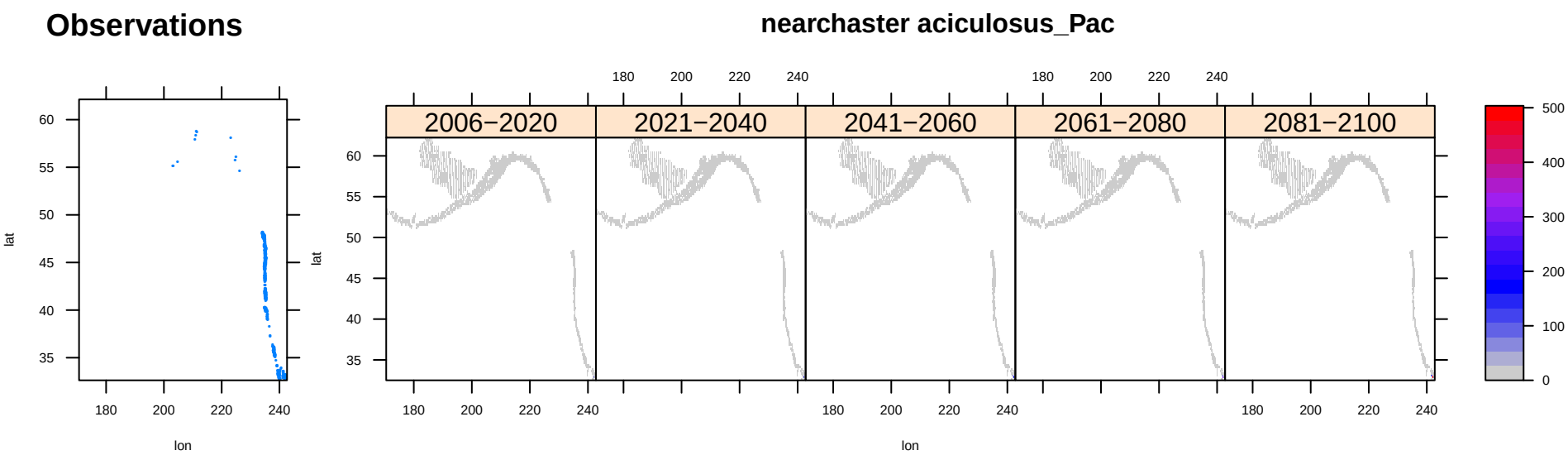
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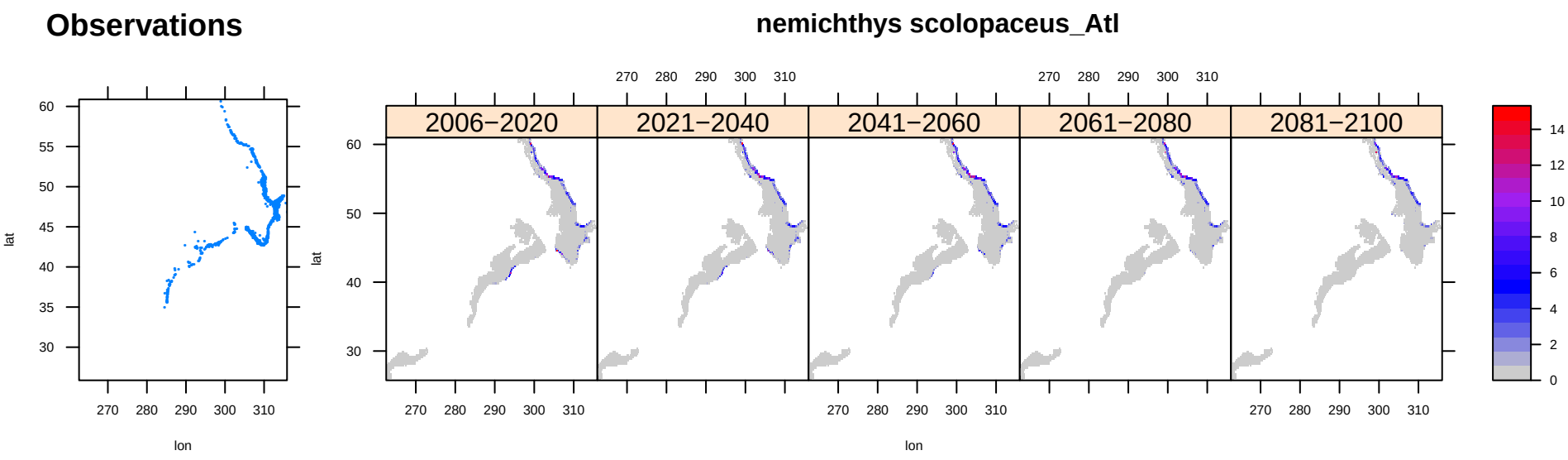
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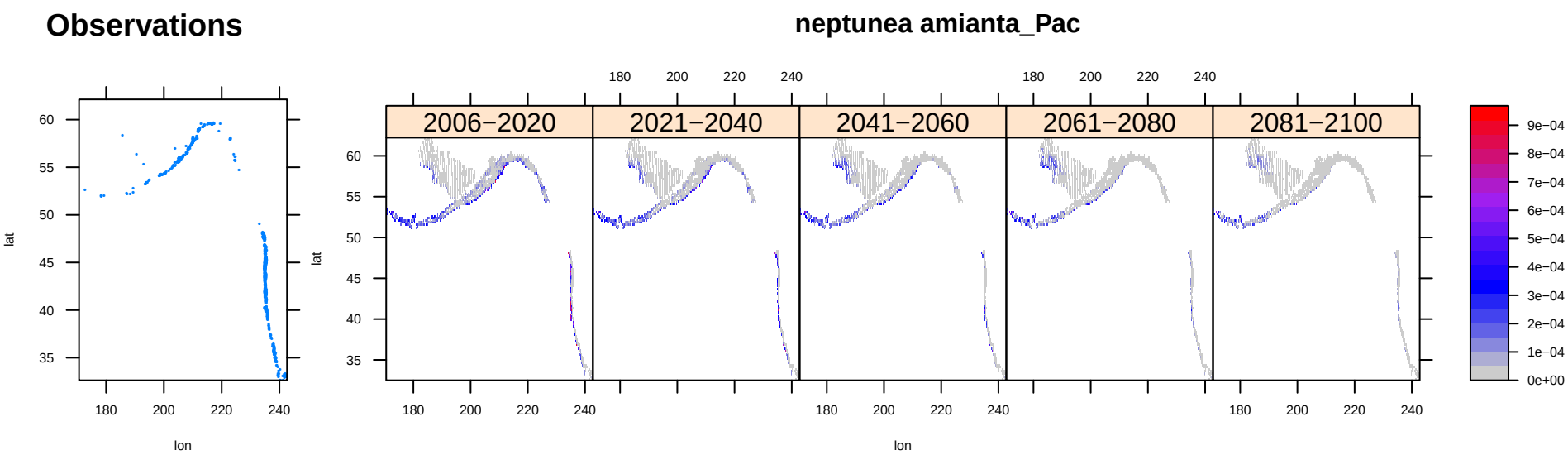
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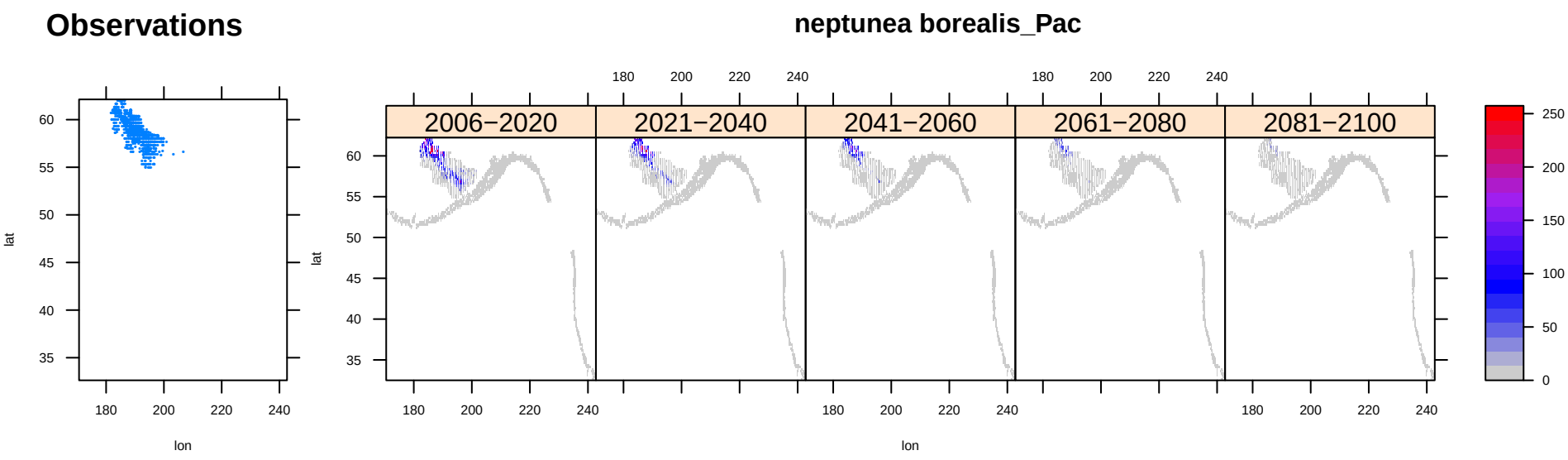
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neptunea borealis_Pac
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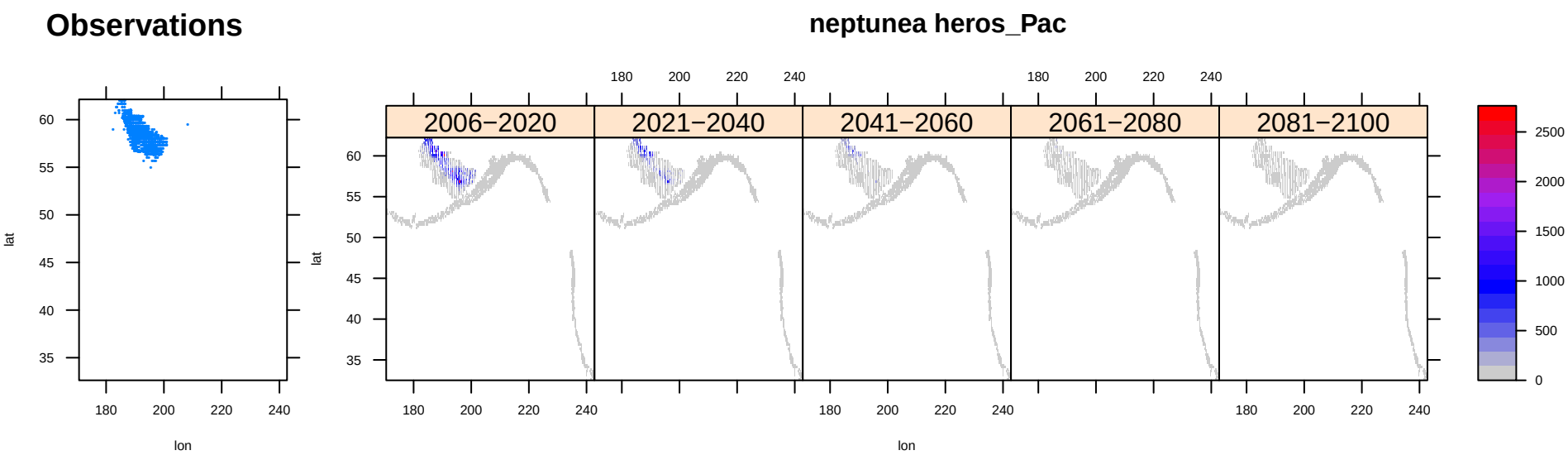
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neptunea heros_Pac
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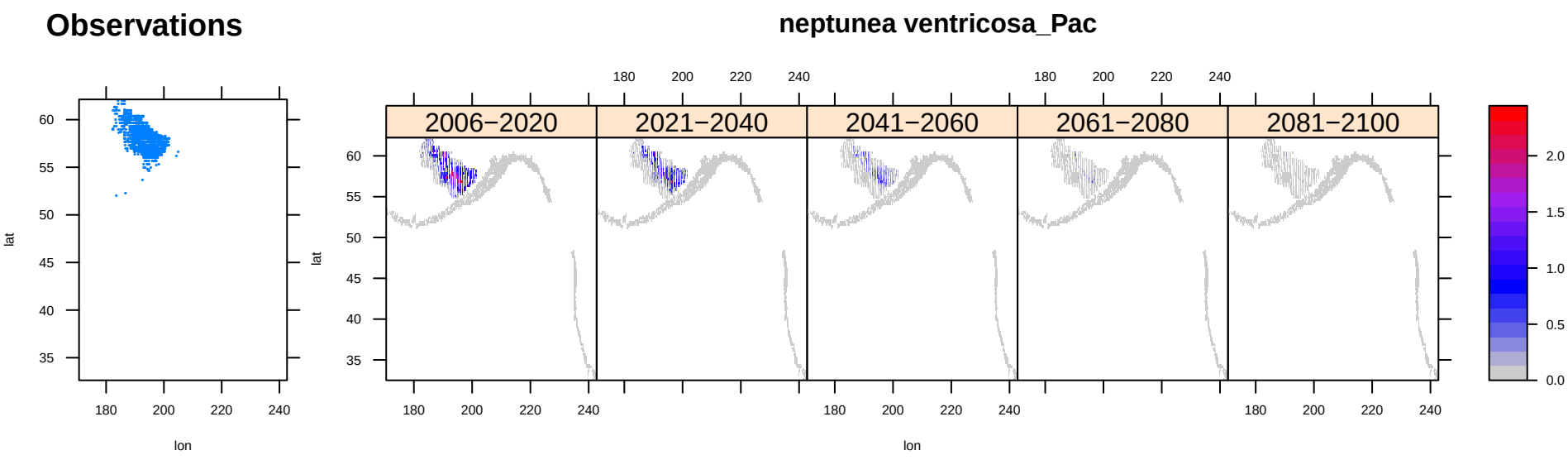
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neptunea ventricosa_Pac
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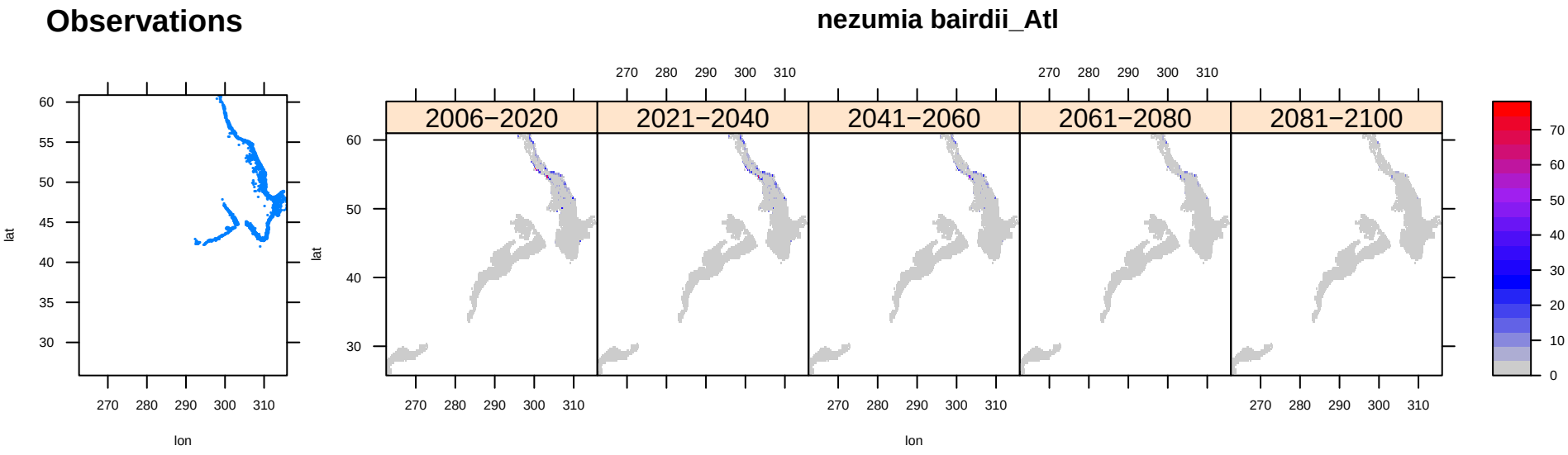
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nezumia bairdii_Atl
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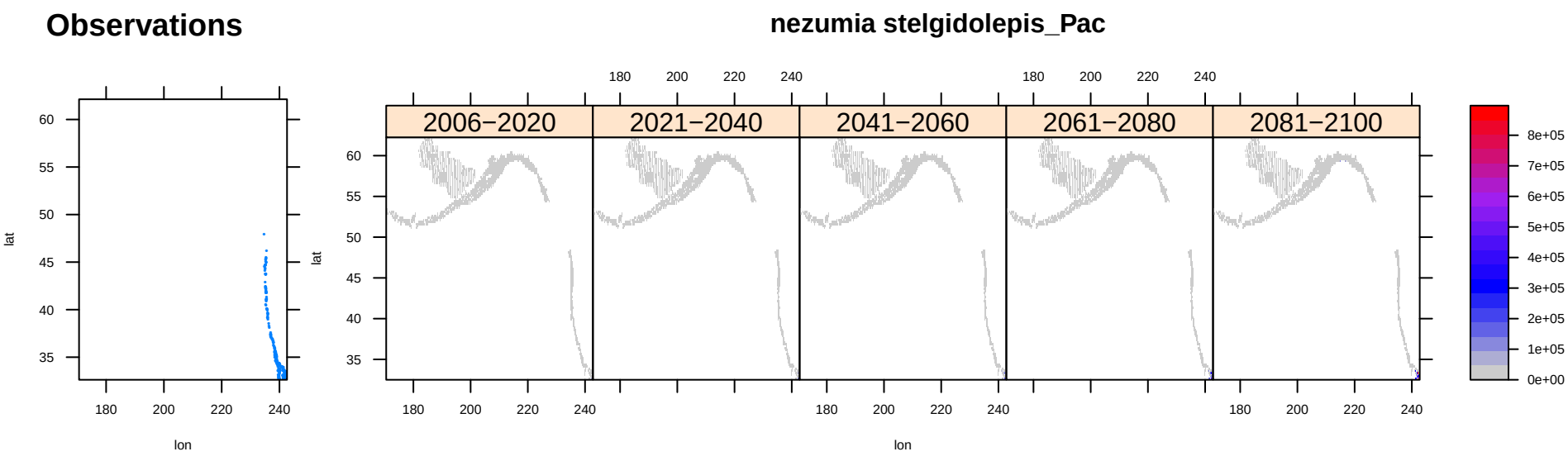
Observations
nezumia stelgidolepis_Pac
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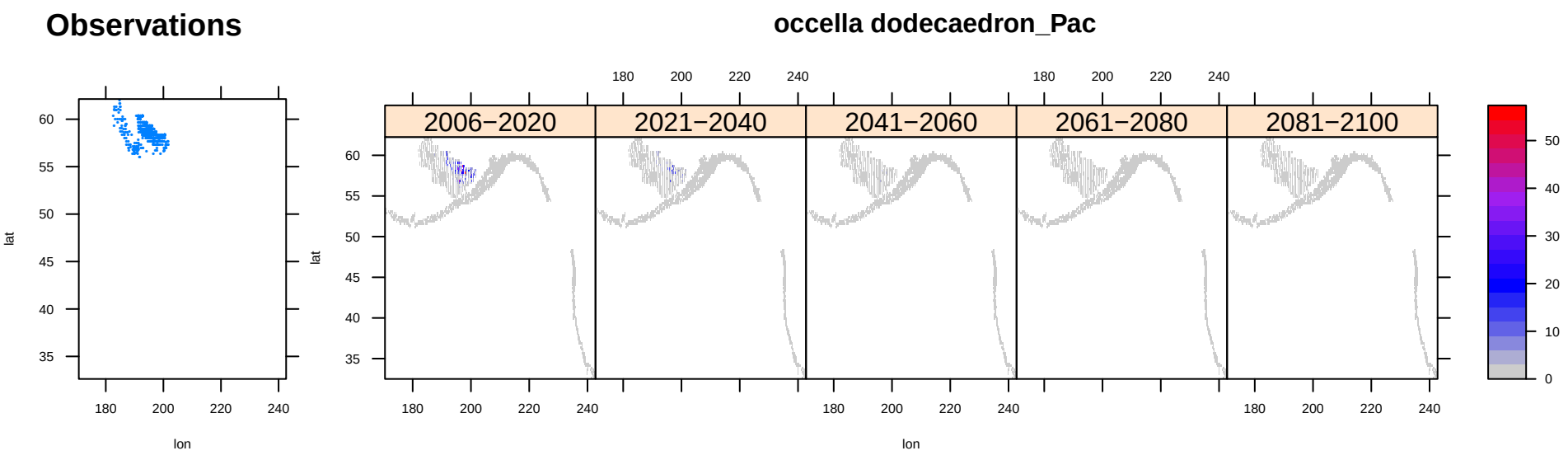
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occella dodecaedron_Pac
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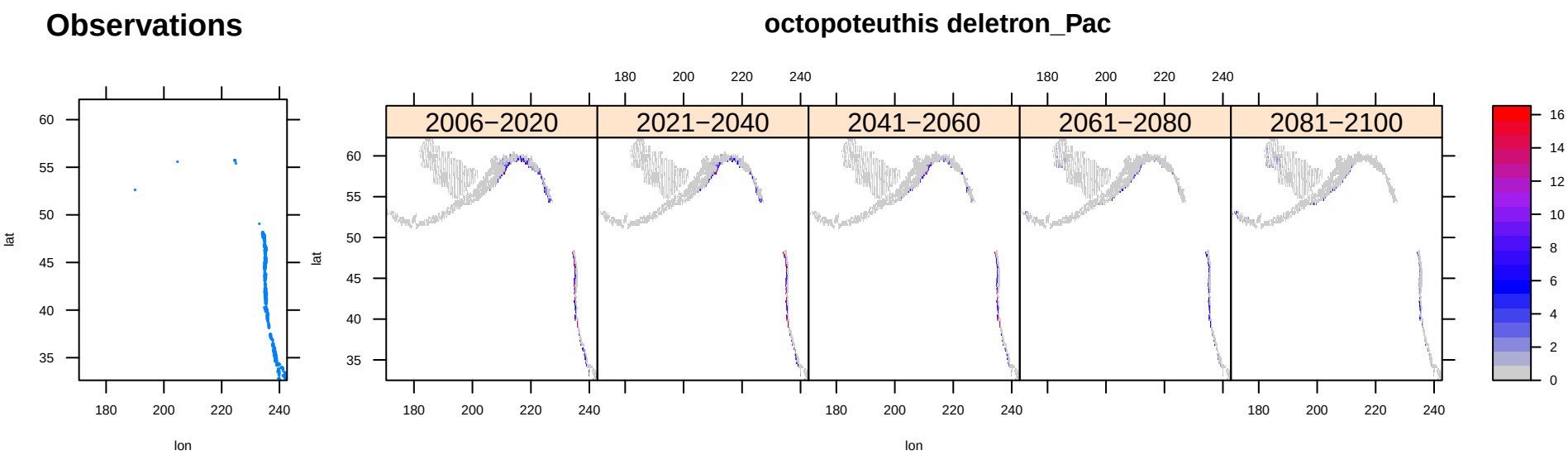
Observations
octopoteuthis deletron_Pac
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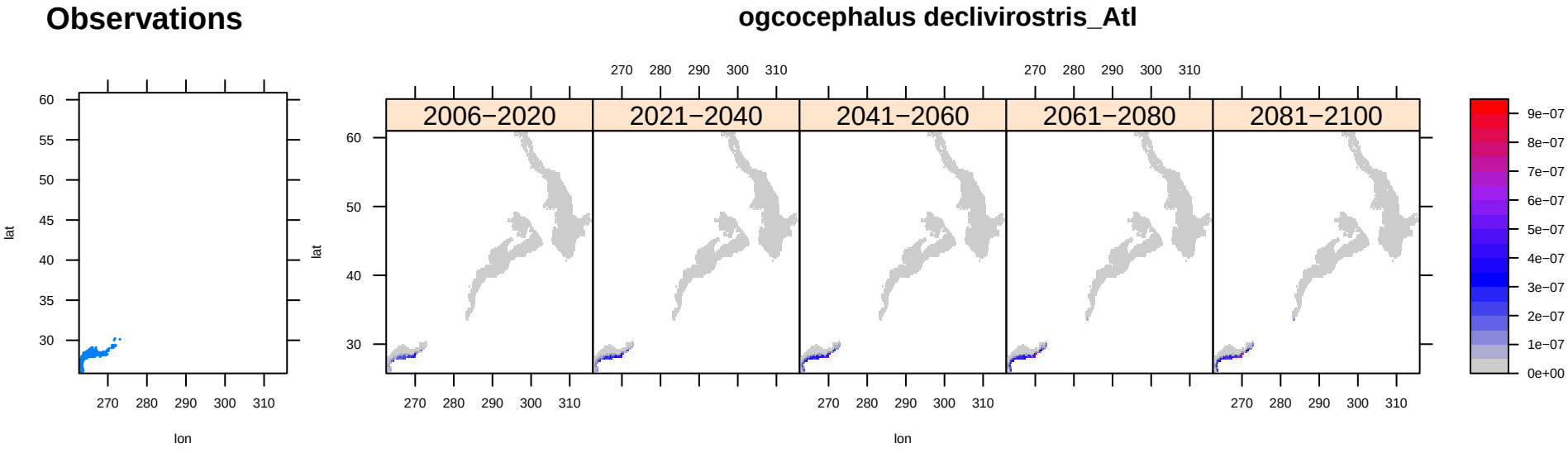
Observations
ogcocephalus declivirostris_Atl
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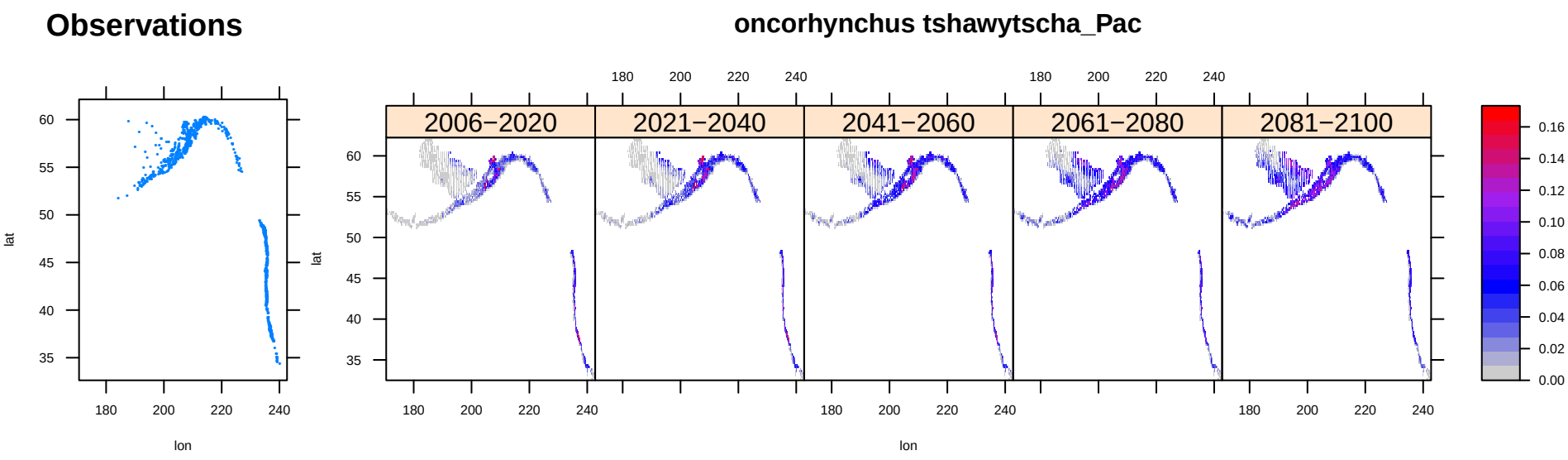
Observations
oncorhynchus tshawytscha_Pac
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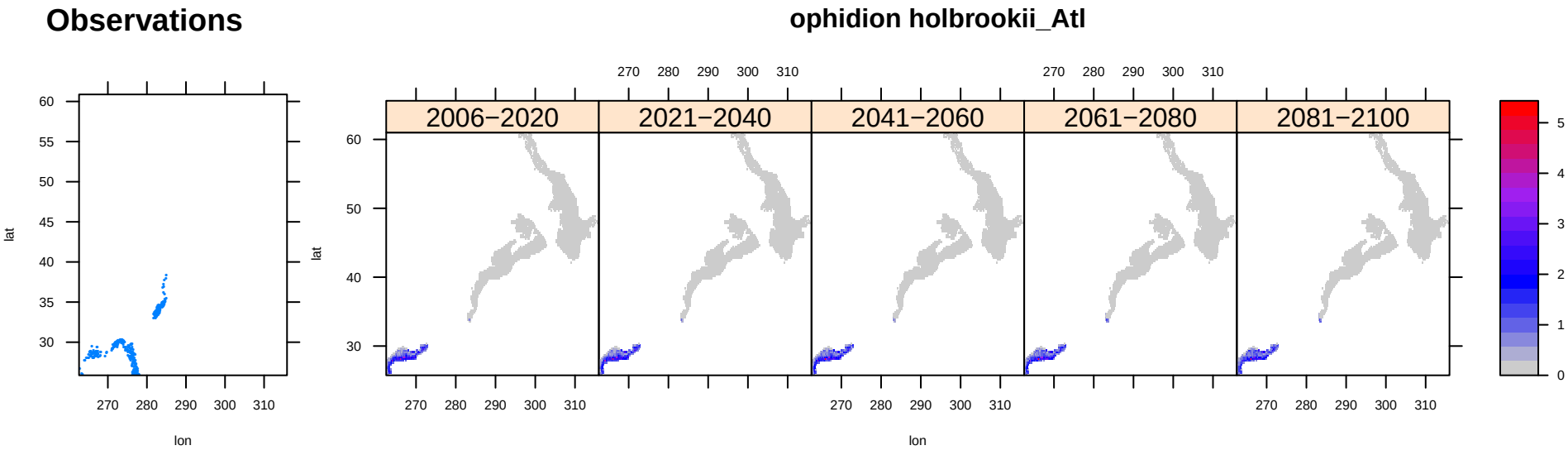
Observations
ophidion holbrookii_Atl
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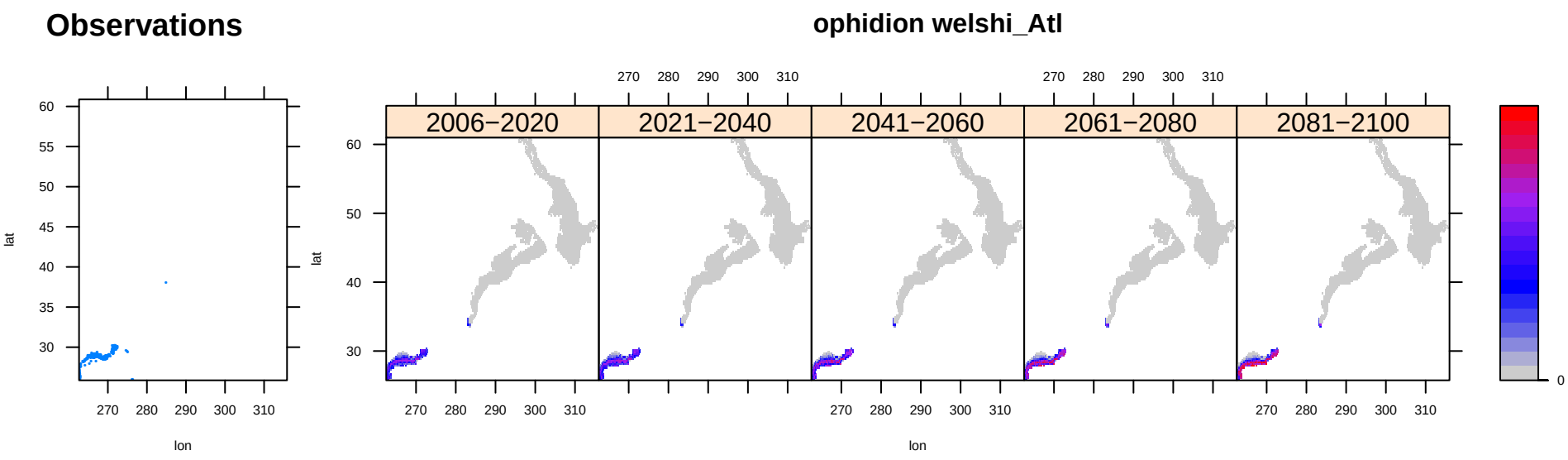
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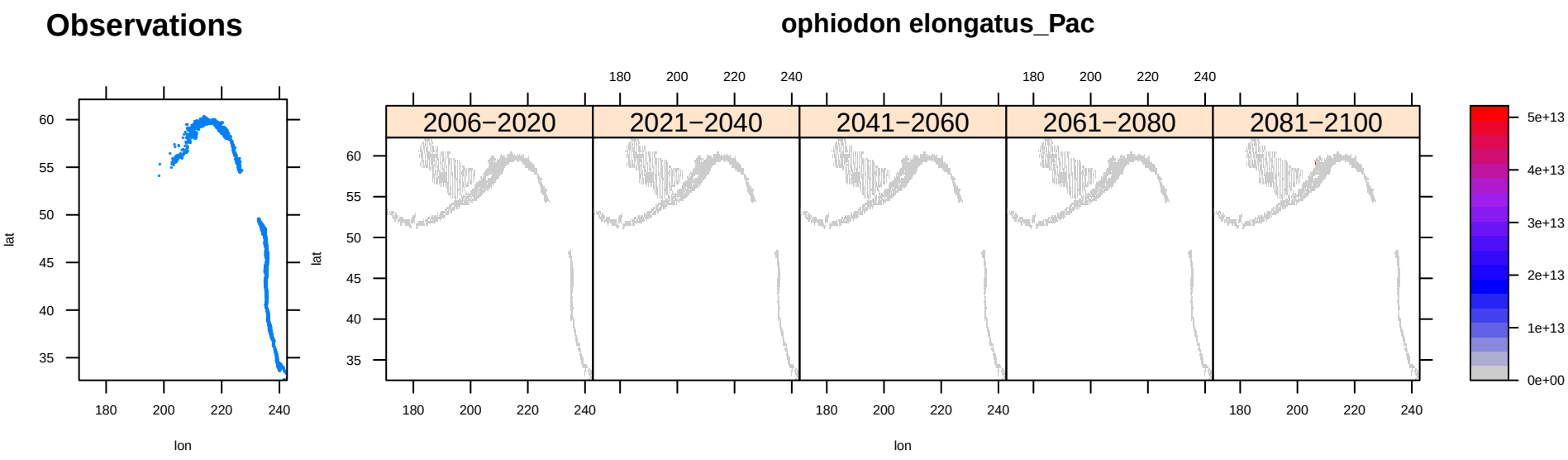
Observations
ophiodon elongatus_Pac
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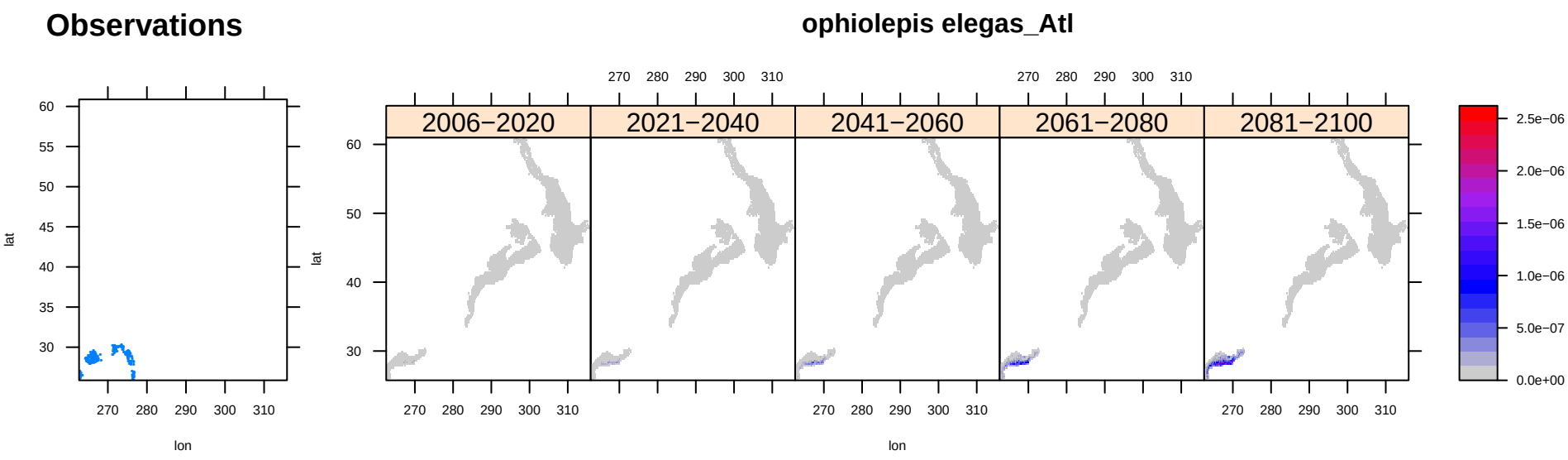
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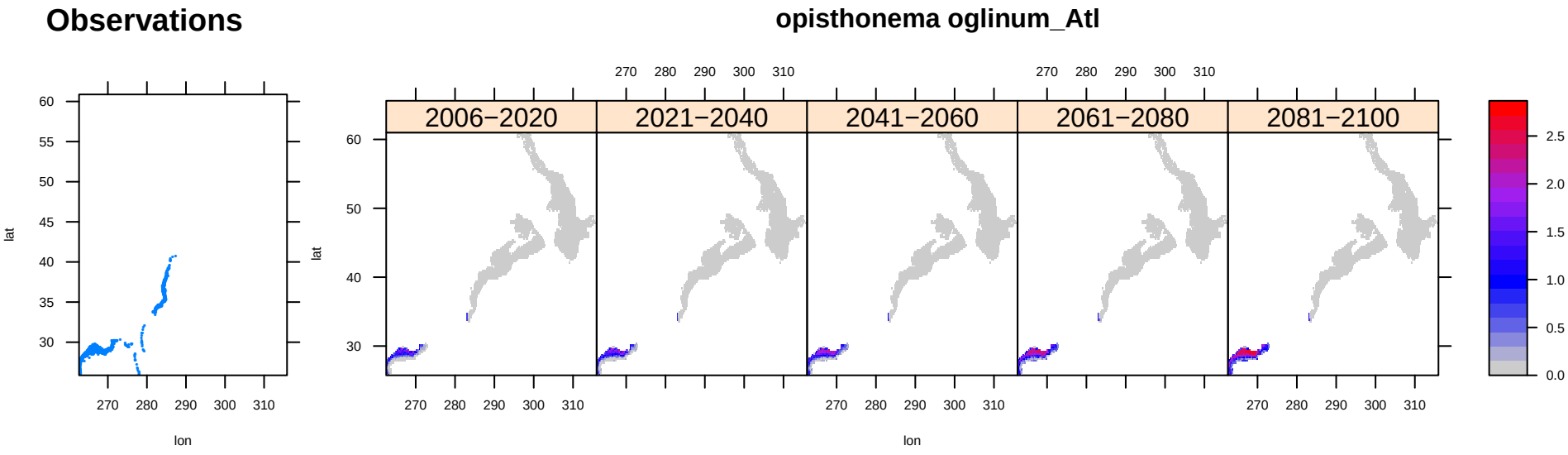
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opisthonema oglinum_Atl
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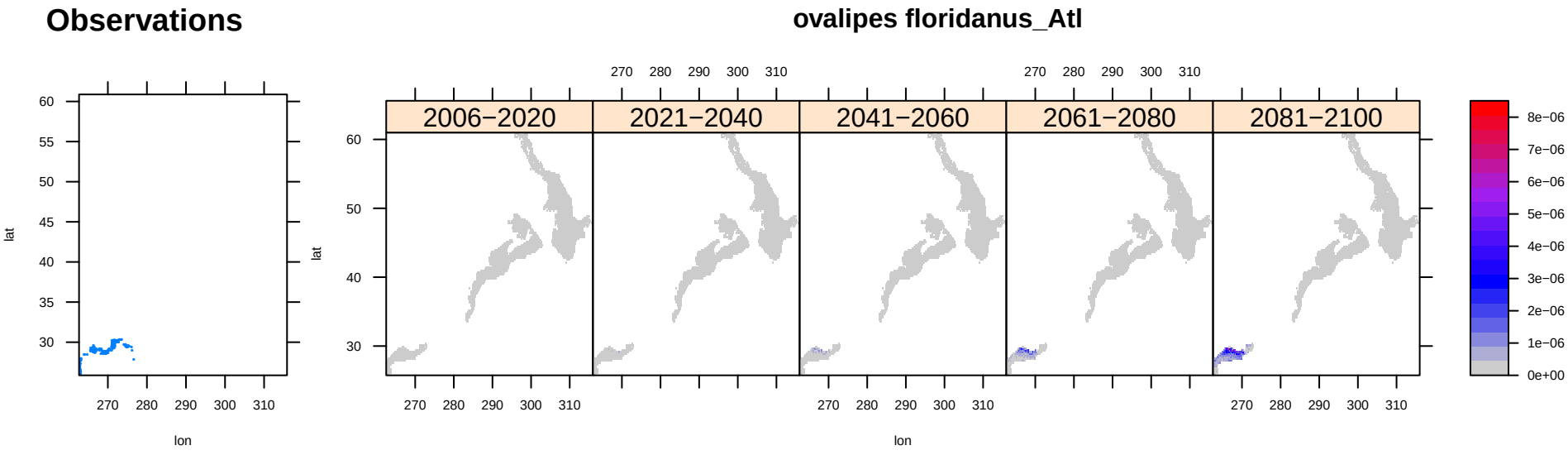
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ovalipes floridanus_Atl
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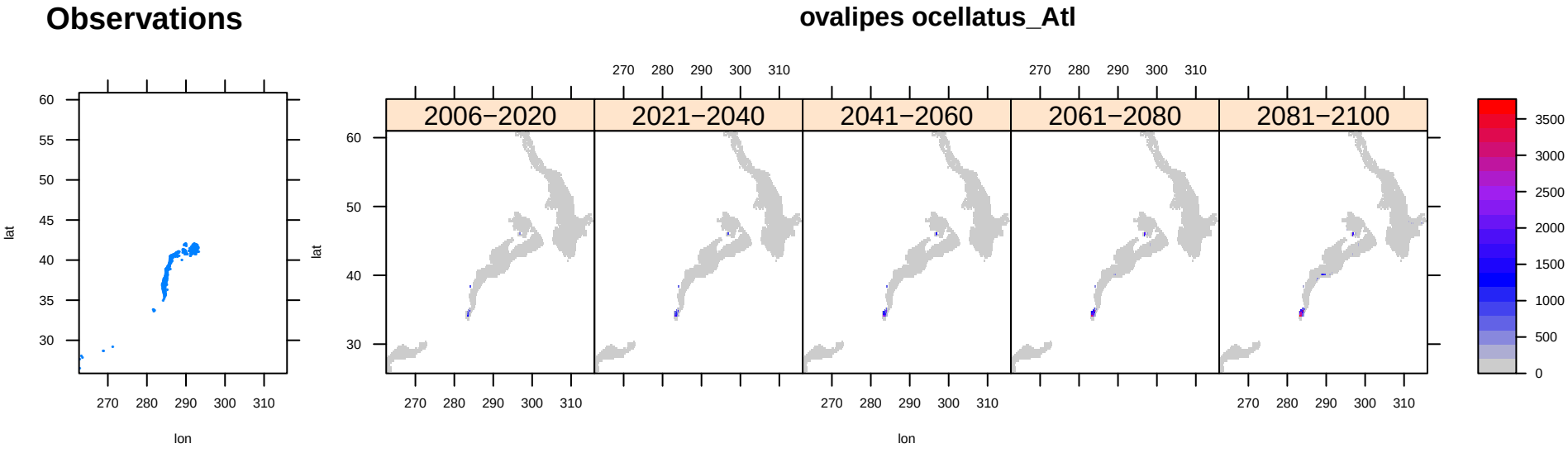
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ovalipes ocellatus_Atl
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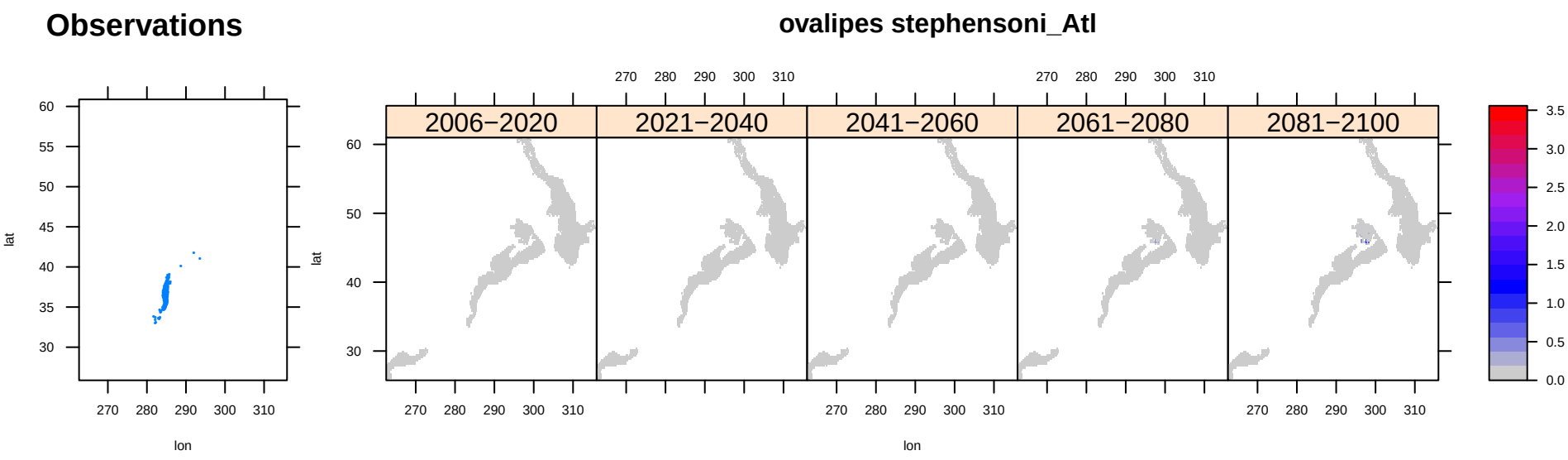
Observations
ovalipes stephensoni_Atl
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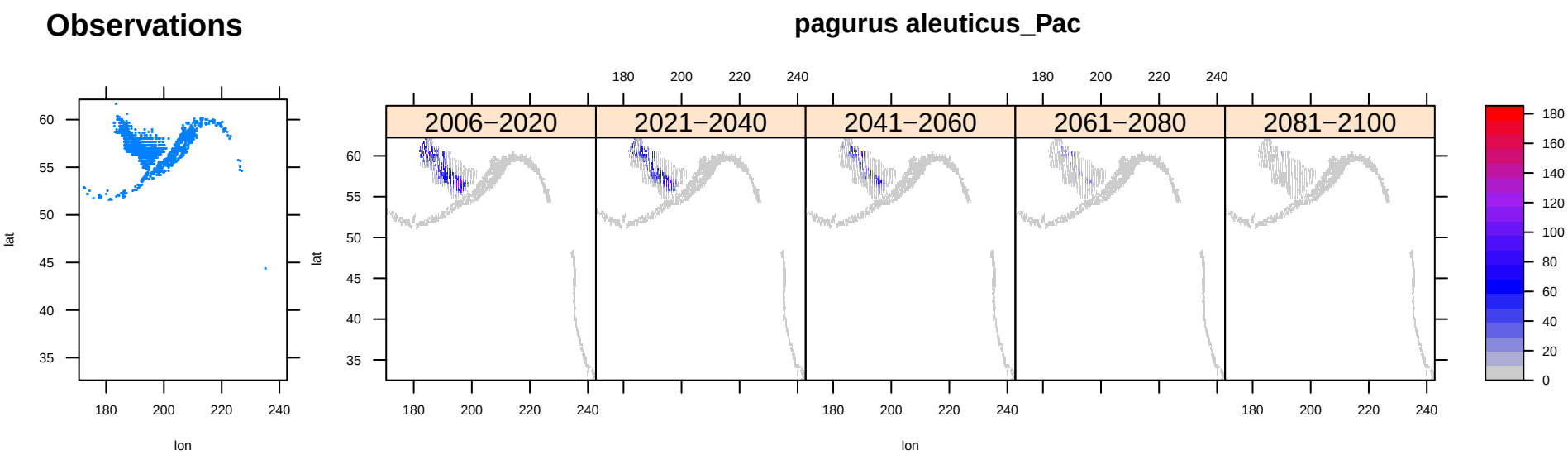
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pagurus aleuticus_Pac
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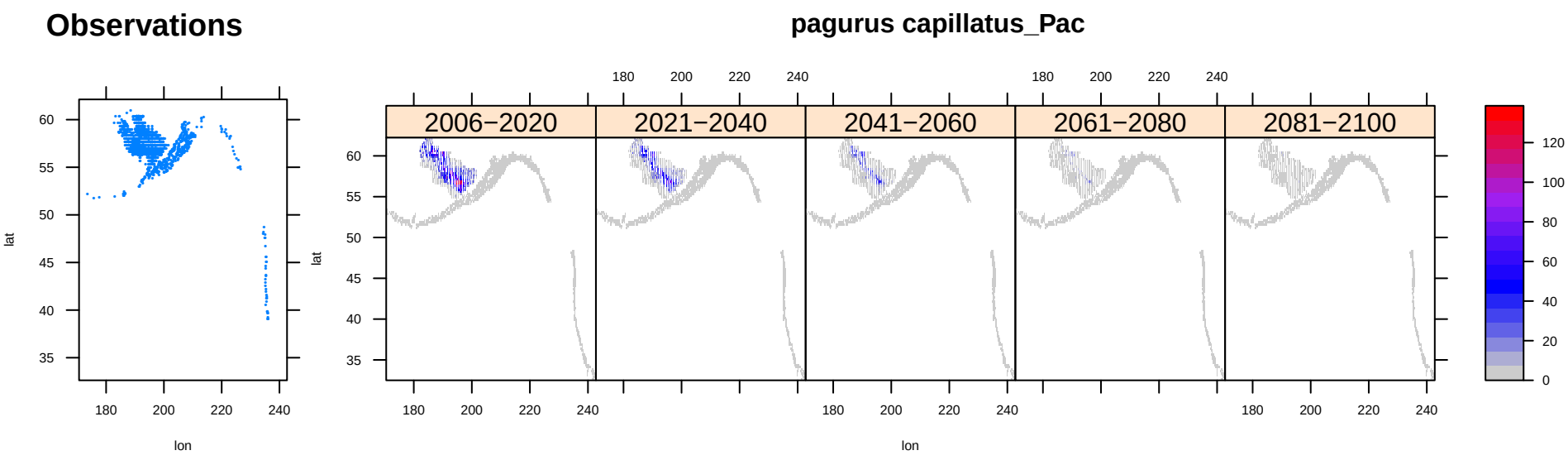
Observations
pagurus capillatus_Pac
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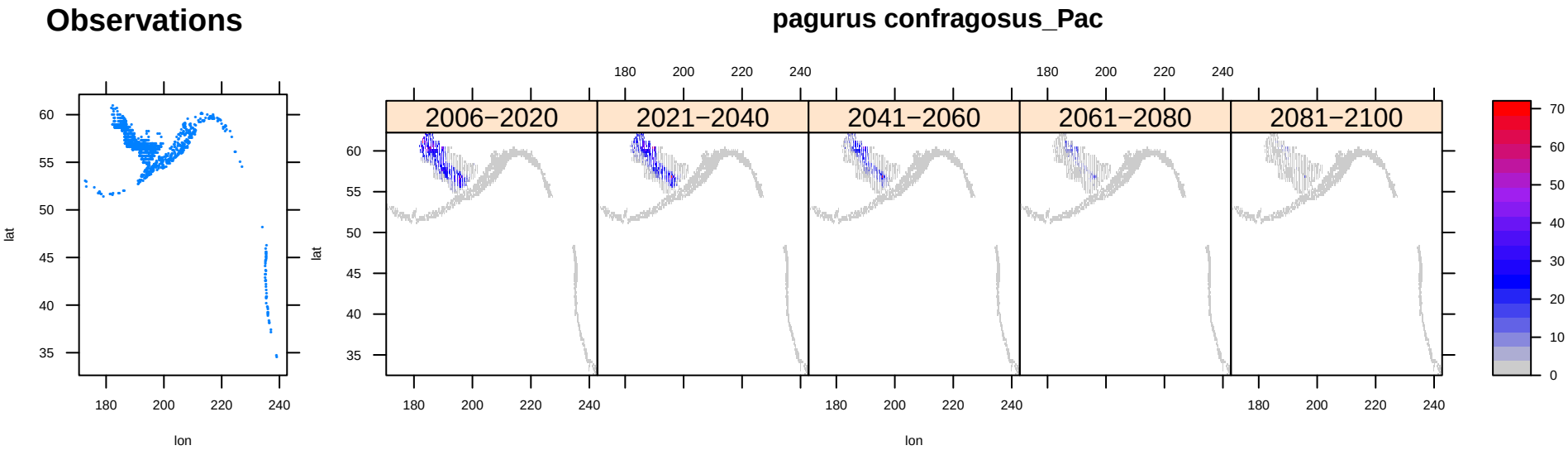
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pagurus confragosus_Pac
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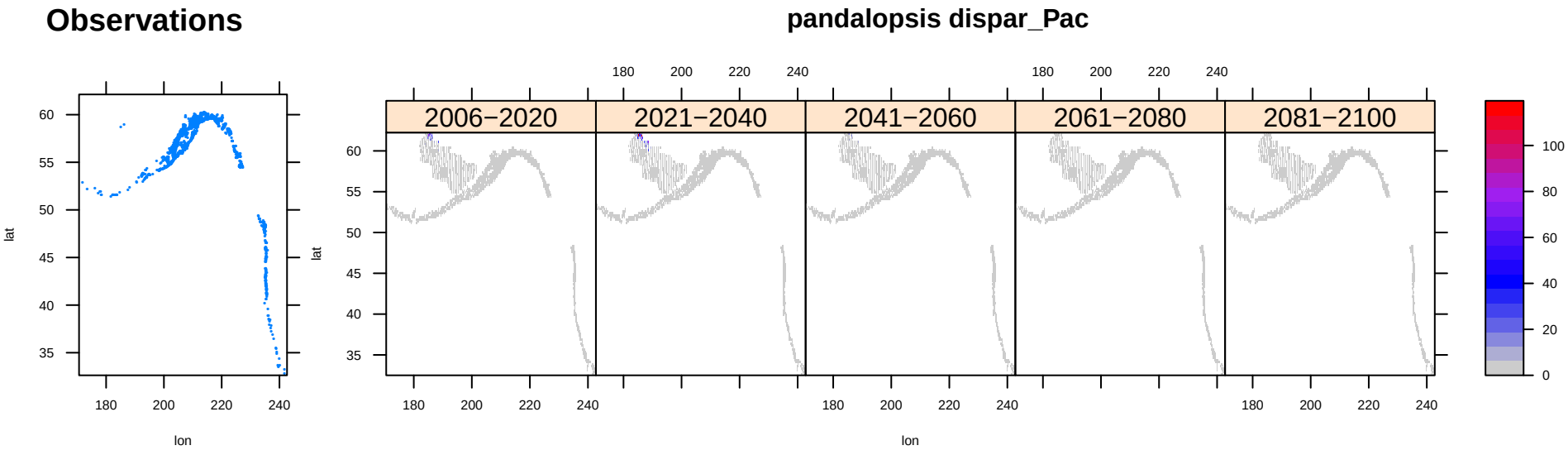
Observations
pandalopsis dispar_Pac
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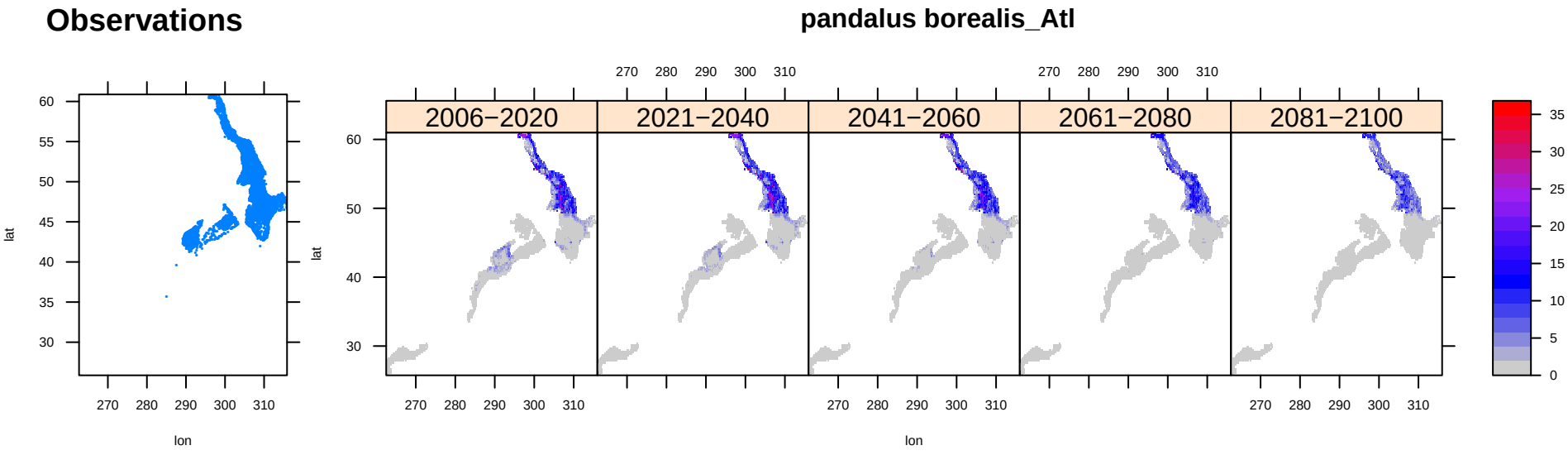
Observations
pandalus borealis_Atl
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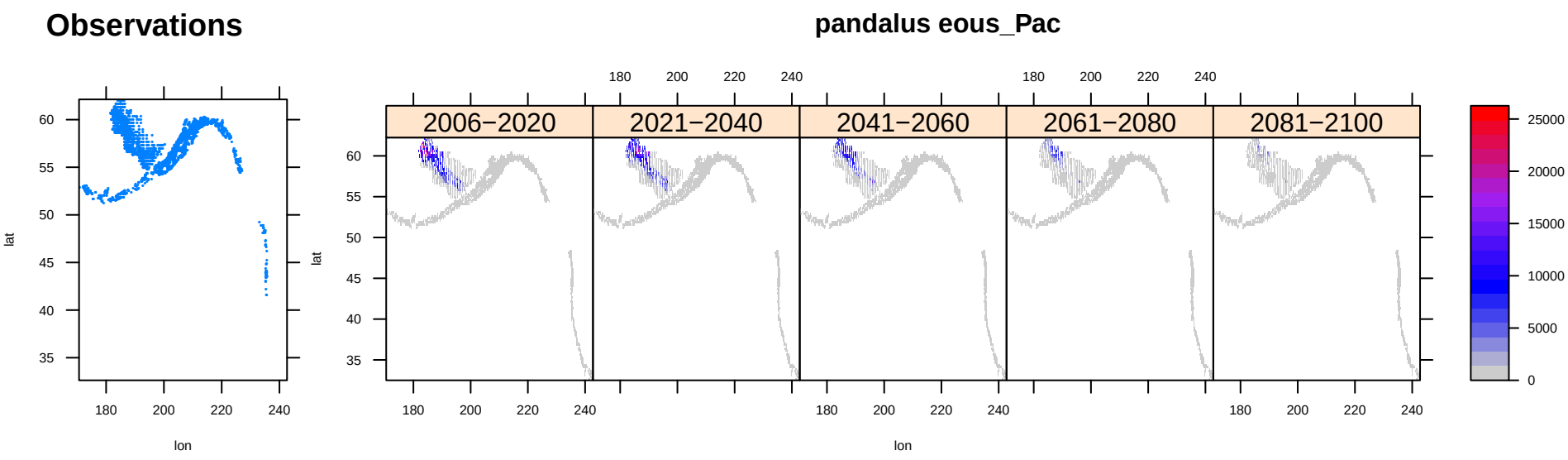
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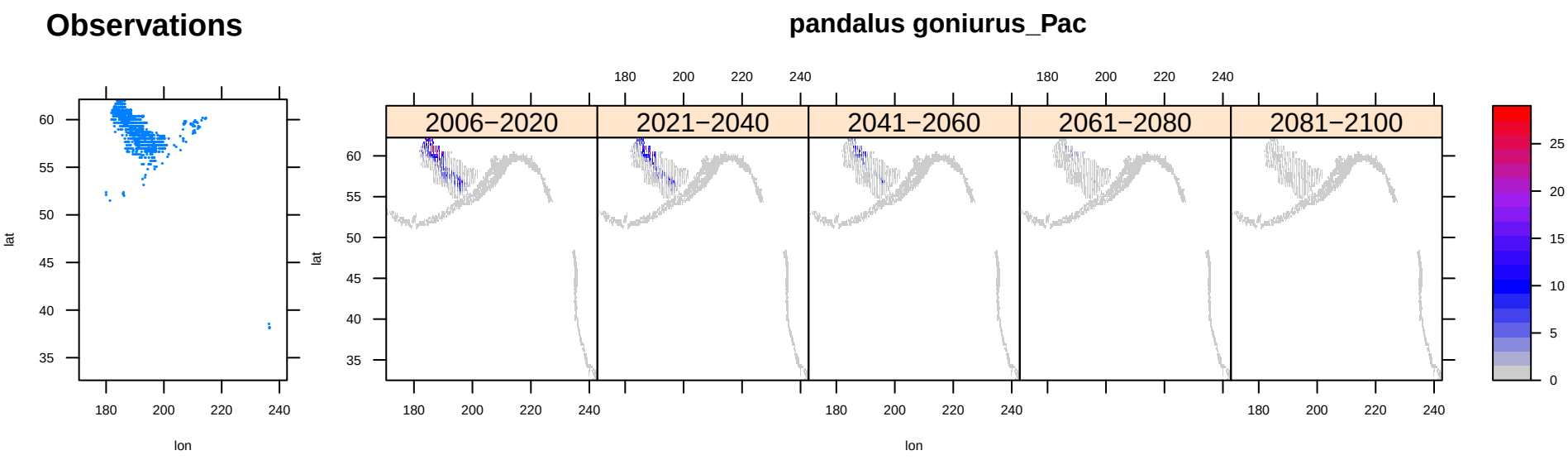
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pandalus goniurus_Pac
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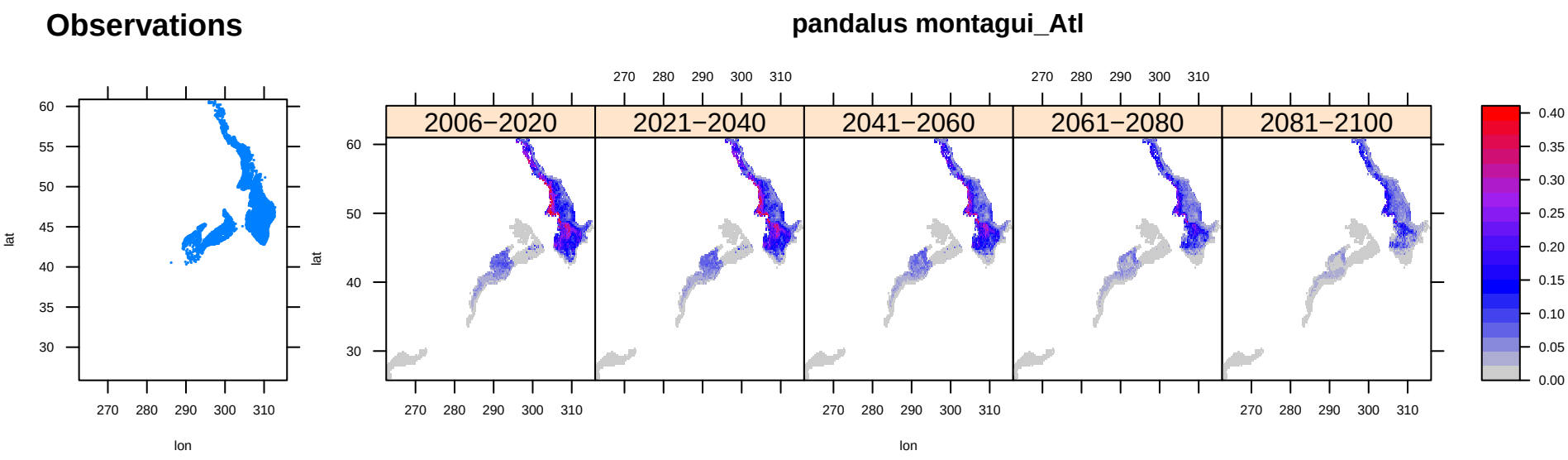
Observations
pandalus montagui_Atl
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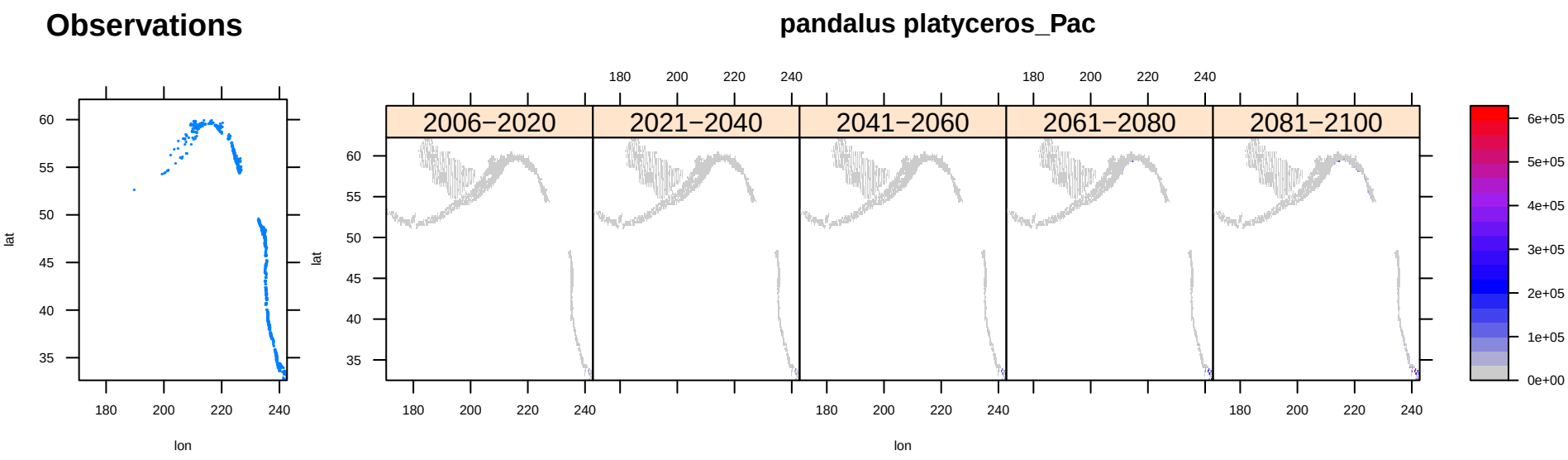
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pandalus platyceros_Pac
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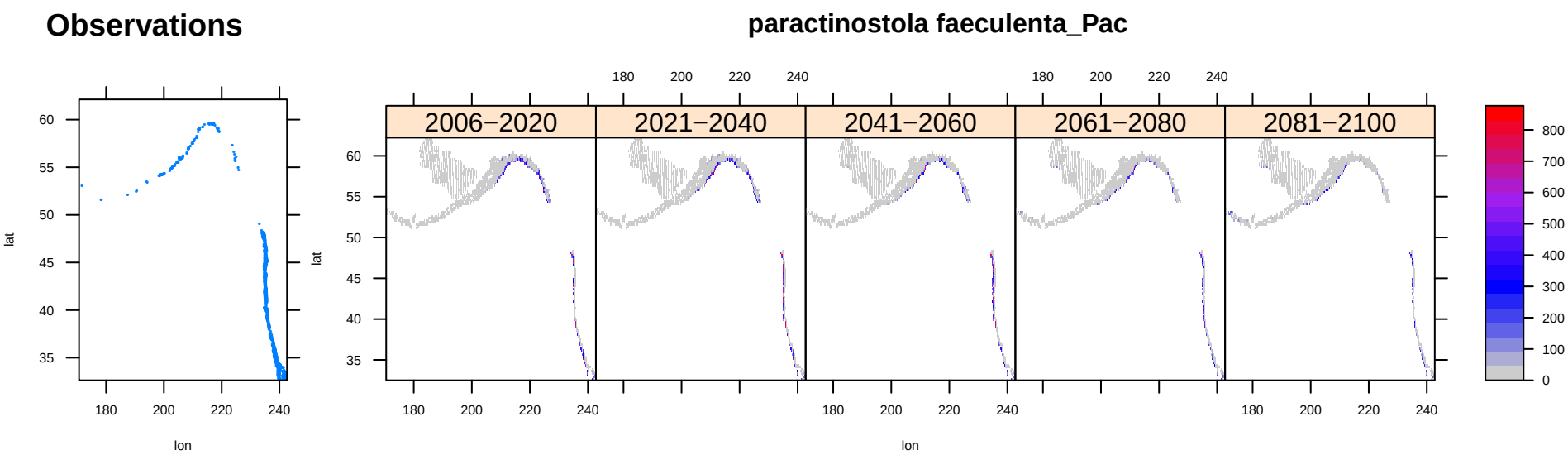
Observations
paractinostola faeculenta_Pac
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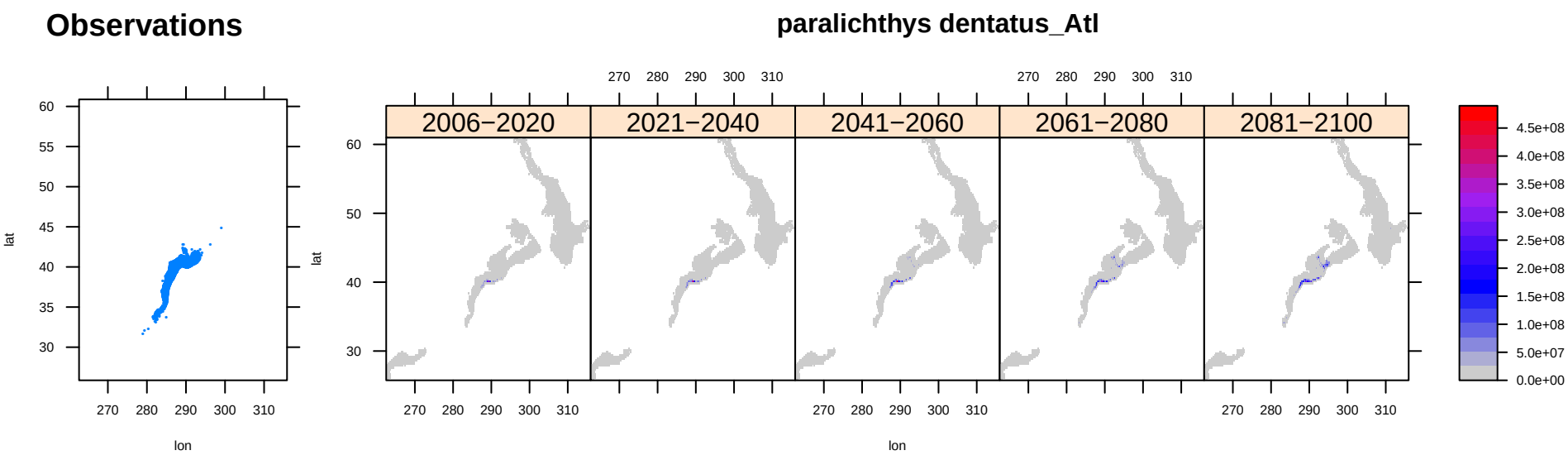
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paralichthys dentatus_Atl
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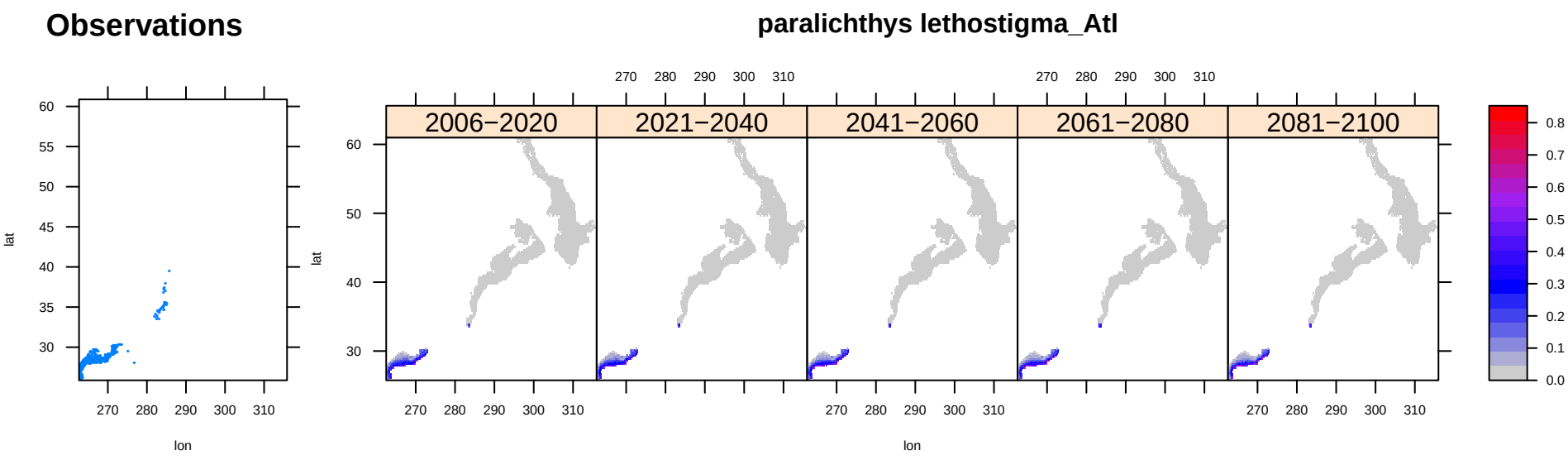
Observations
paralichthys lethostigma_Atl
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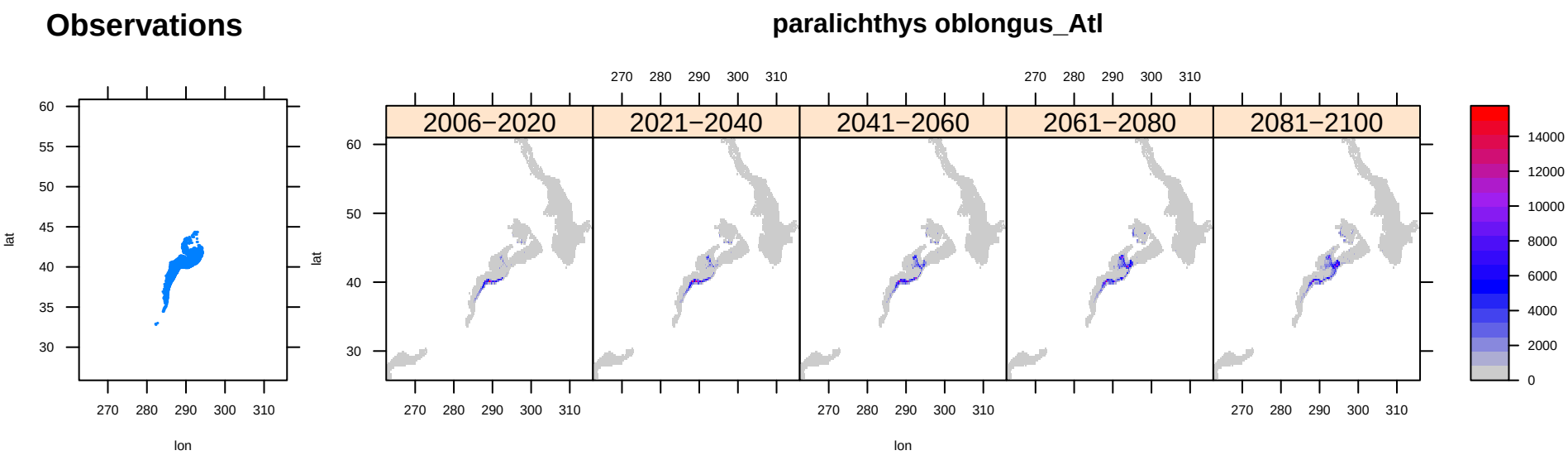
Observations
paralichthys oblongus_Atl
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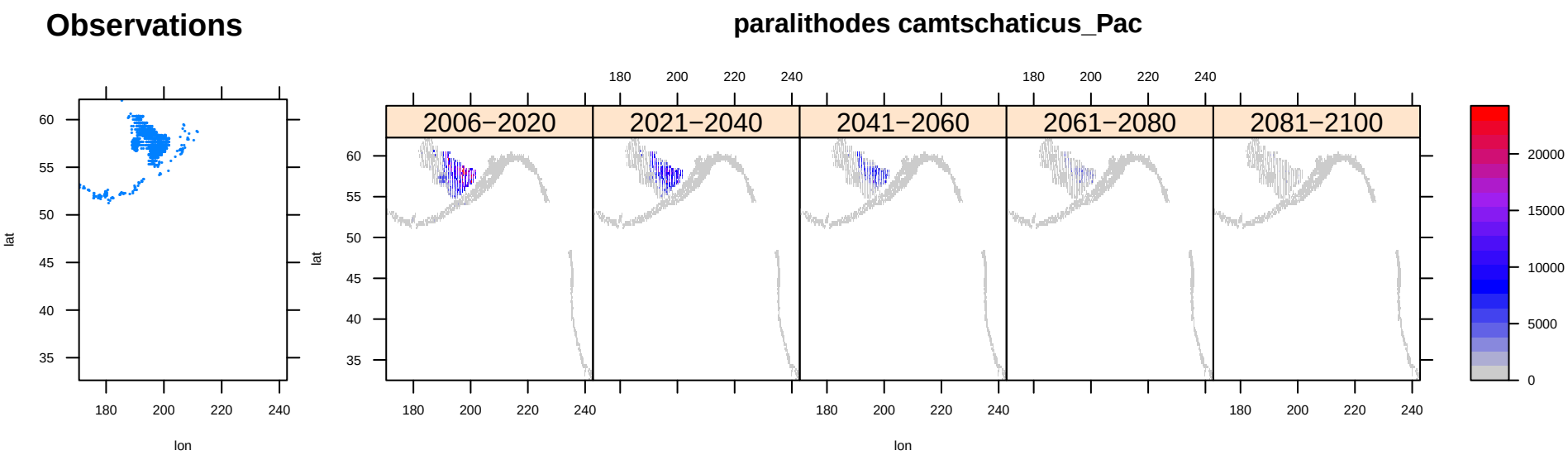
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paralithodes camtschaticus_Pac
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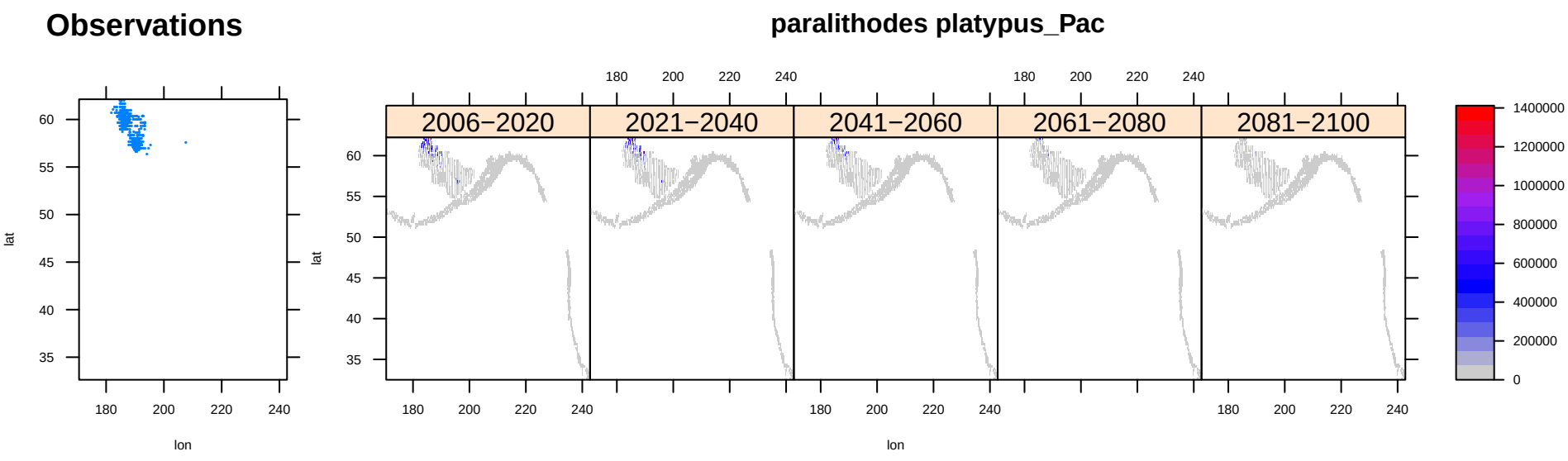
Observations
paralithodes platypus_Pac
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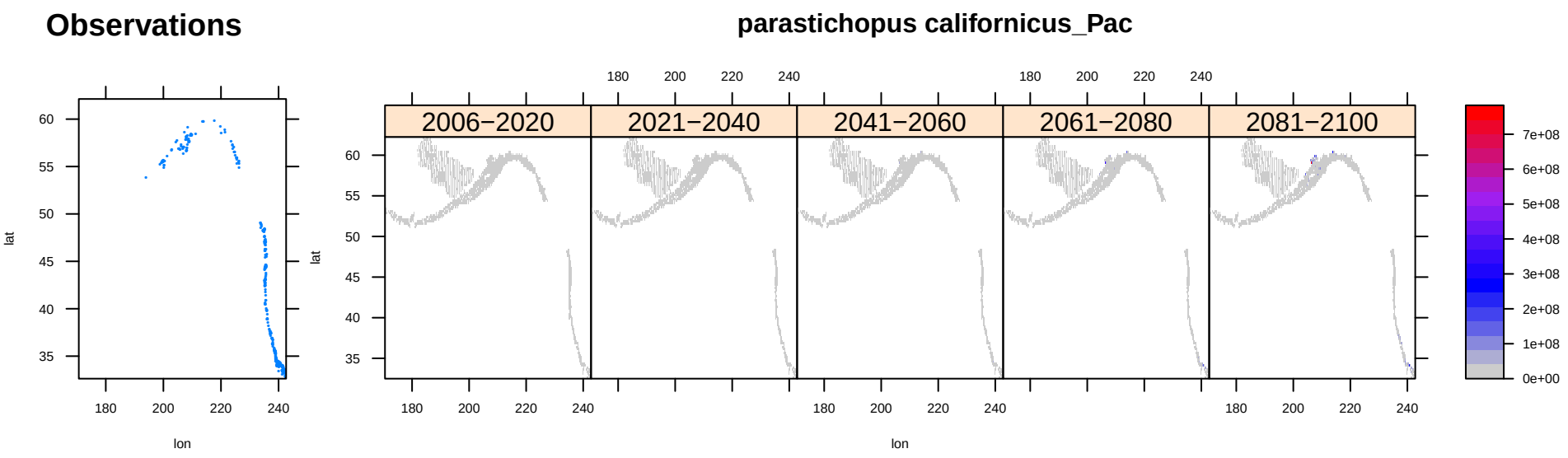
Observations
parastichopus californicus_Pac
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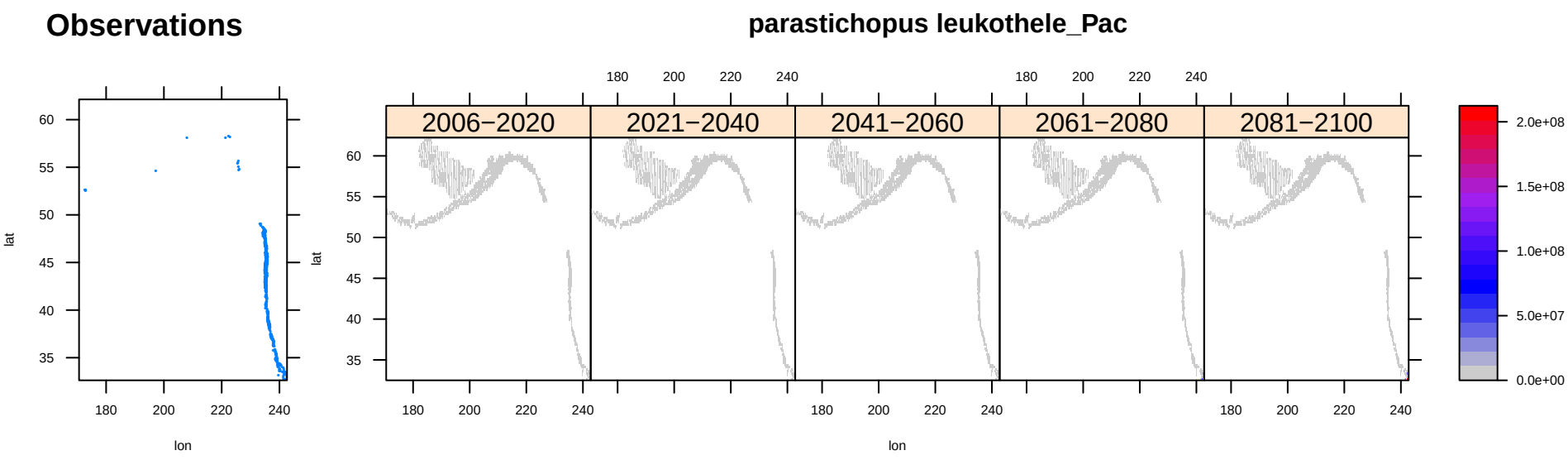
Observations
parastichopus leukothele_Pac
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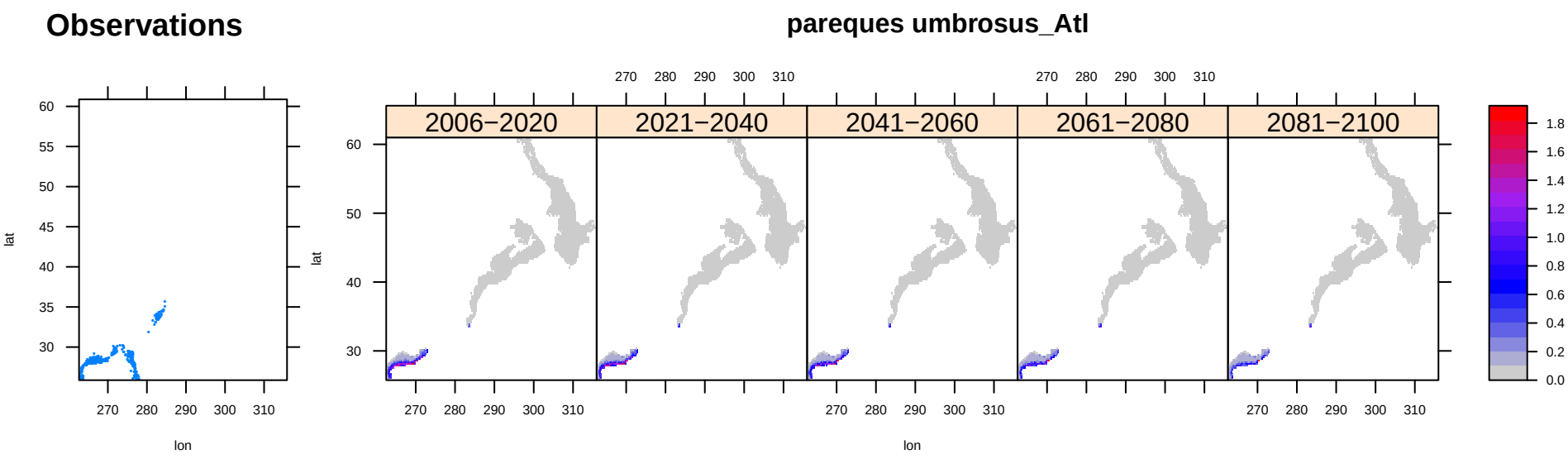
Observations
pareques umbrosus_Atl
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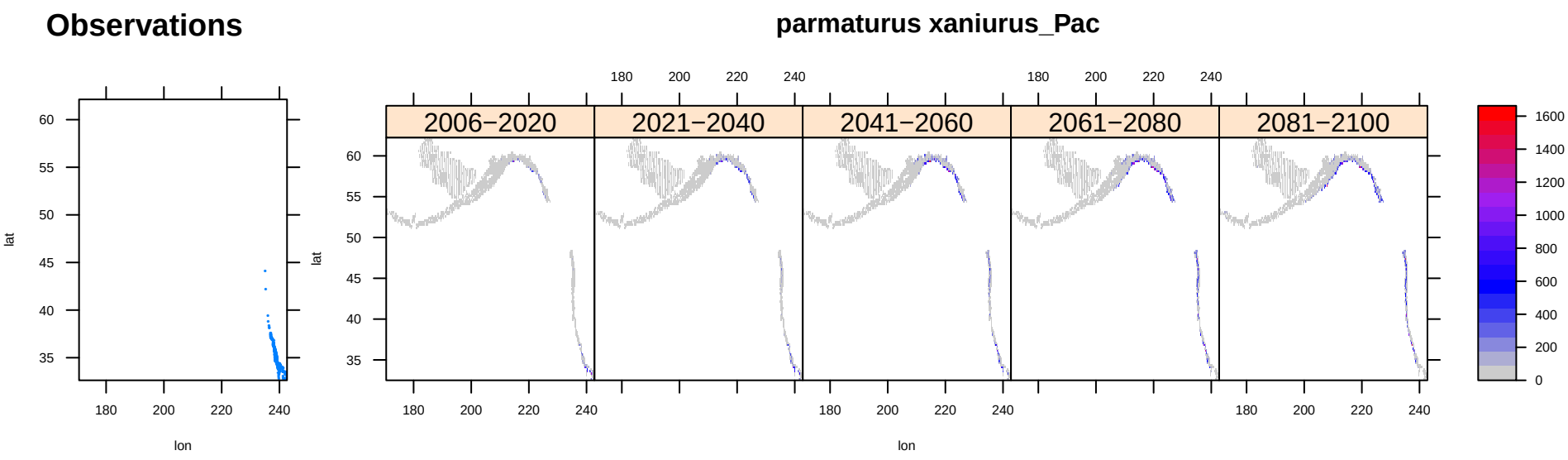
Observations
parmaturus xaniurus_Pac
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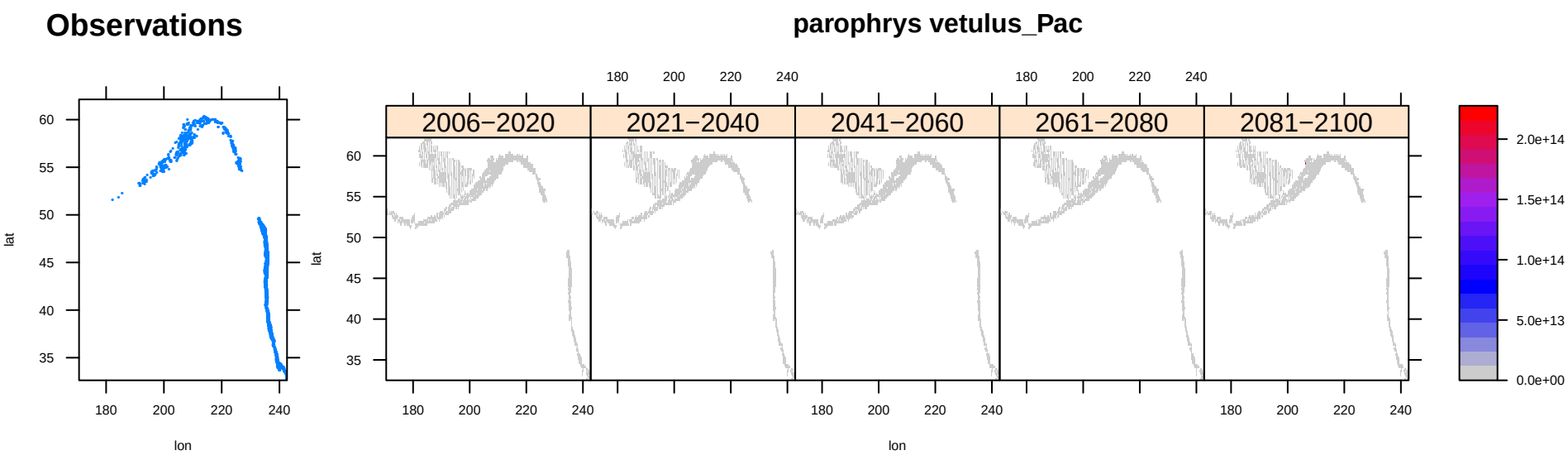
Observations
parophrys vetulus_Pac
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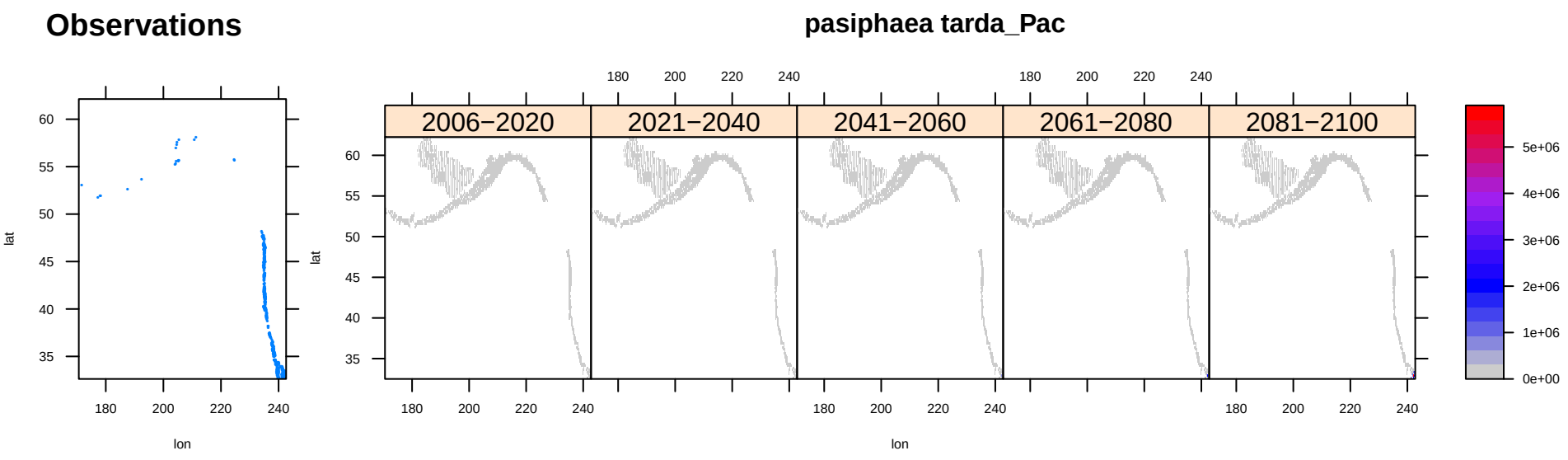
Observations
pasiphaea tarda_Pac
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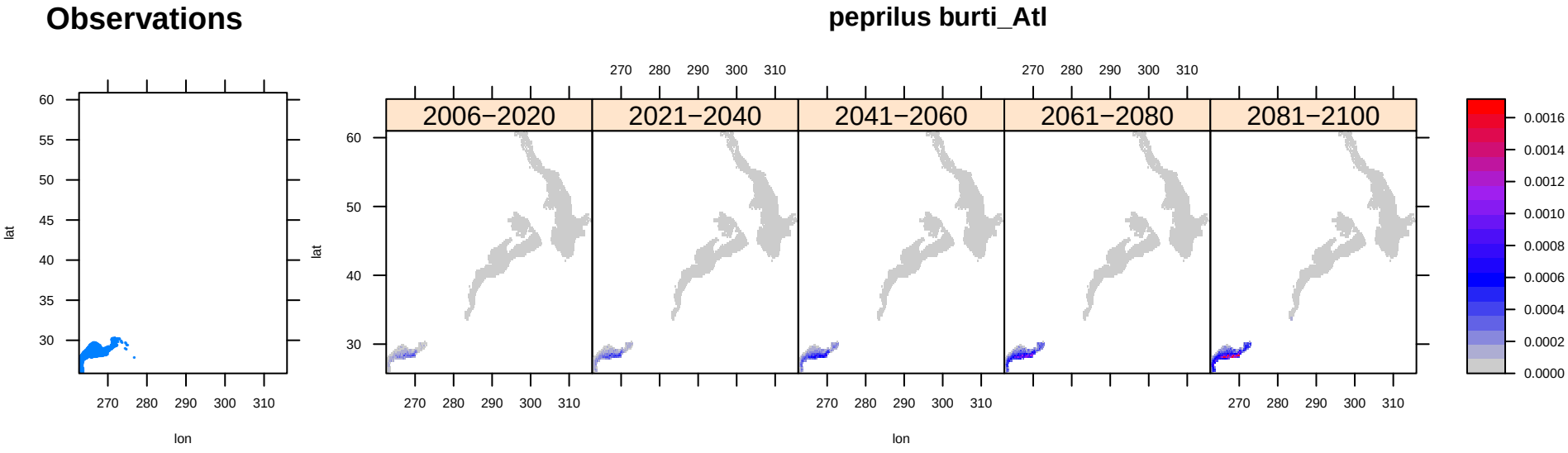
Observations
peprilus burti_Atl
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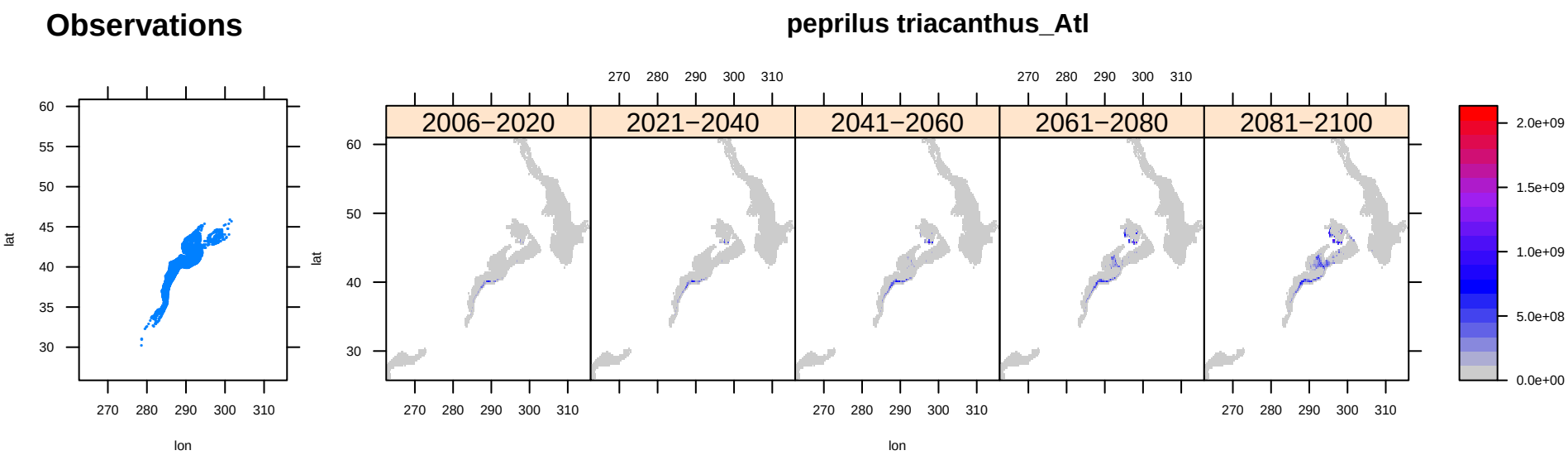
Observations
peprilus triacanthus_Atl
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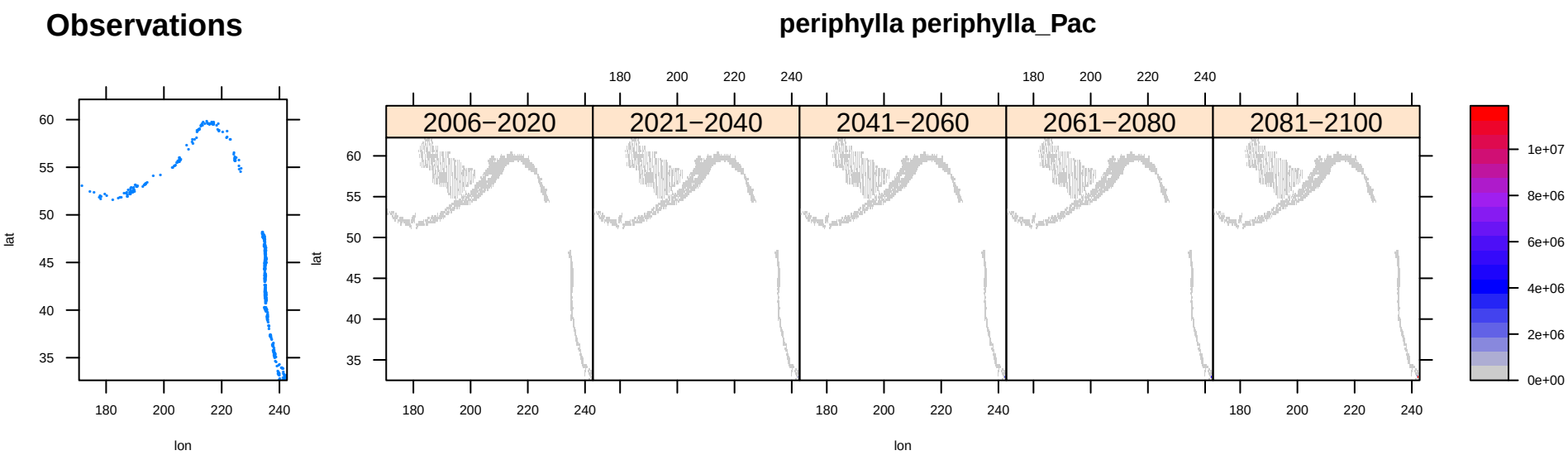
Observations
periphylla periphylla_Pac
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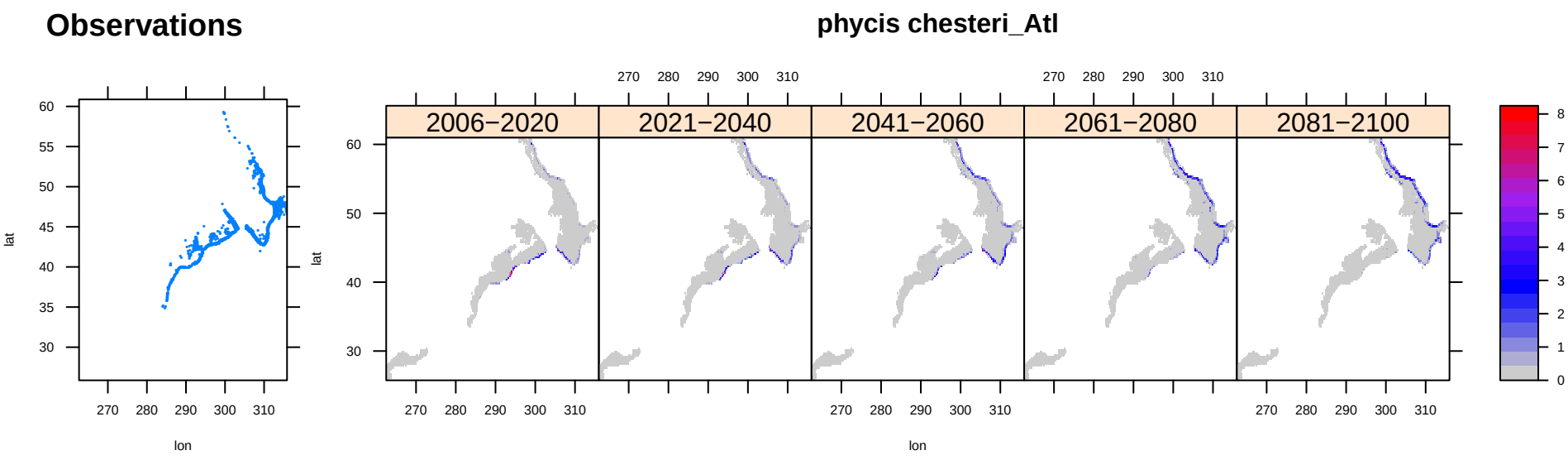
Observations
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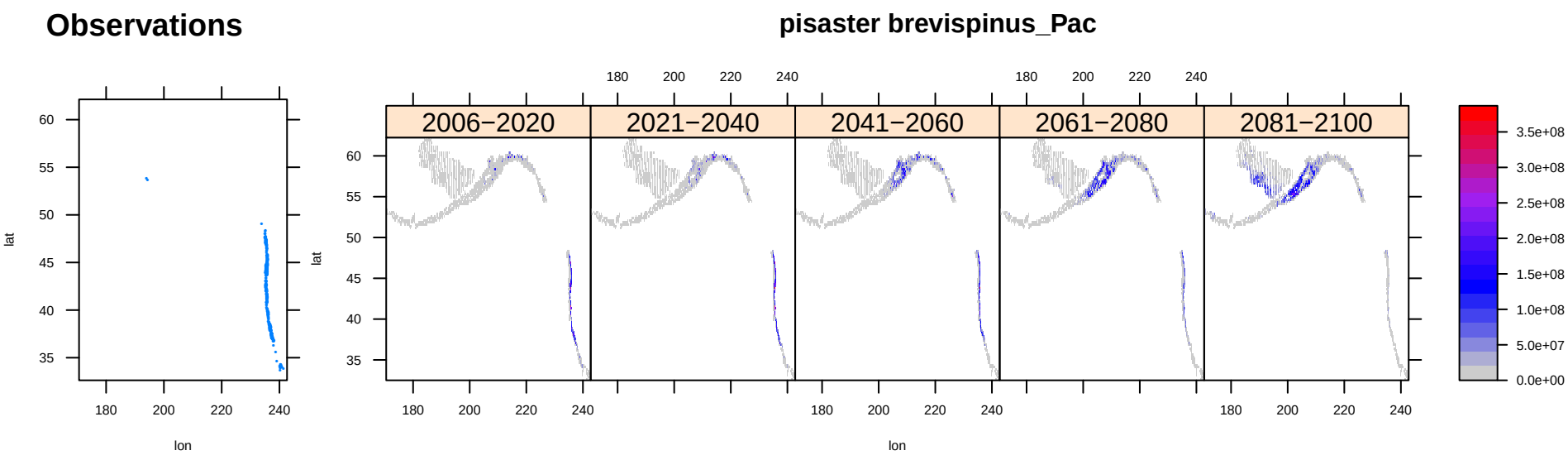
Observations
pisaster brevispinus_Pac
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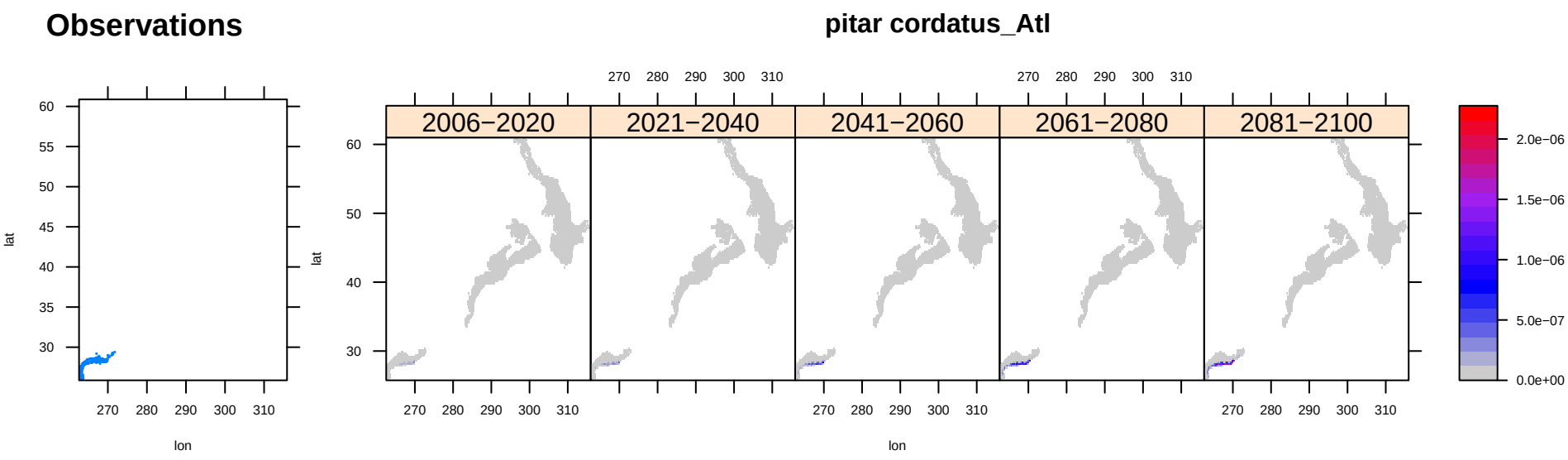
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pitar cordatus_Atl
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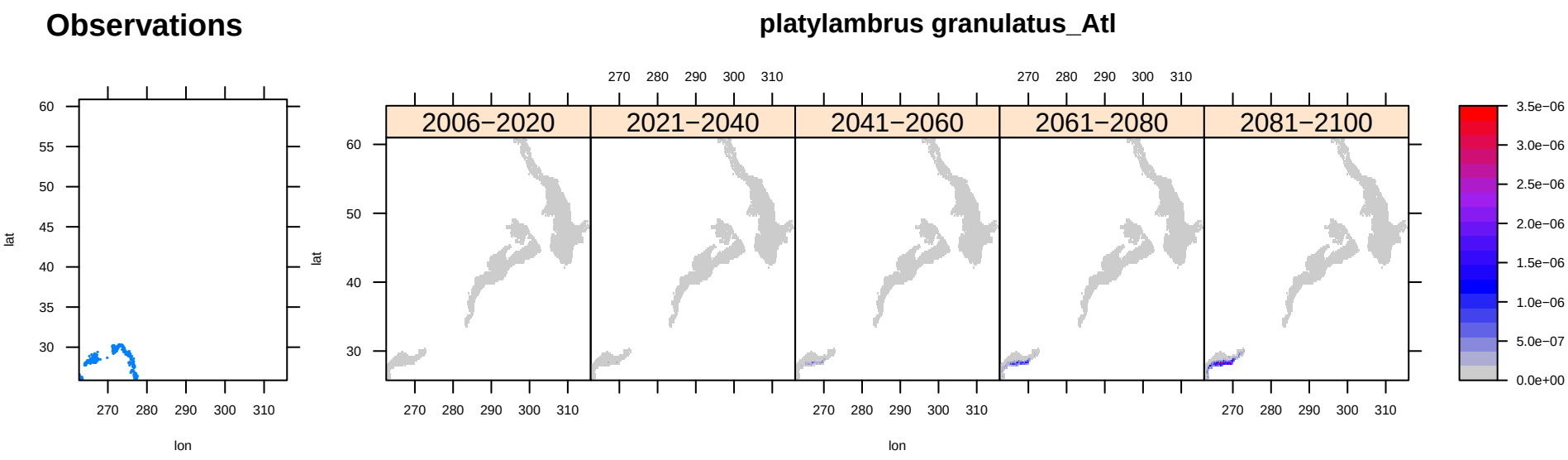
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platylambrus granulatus_Atl
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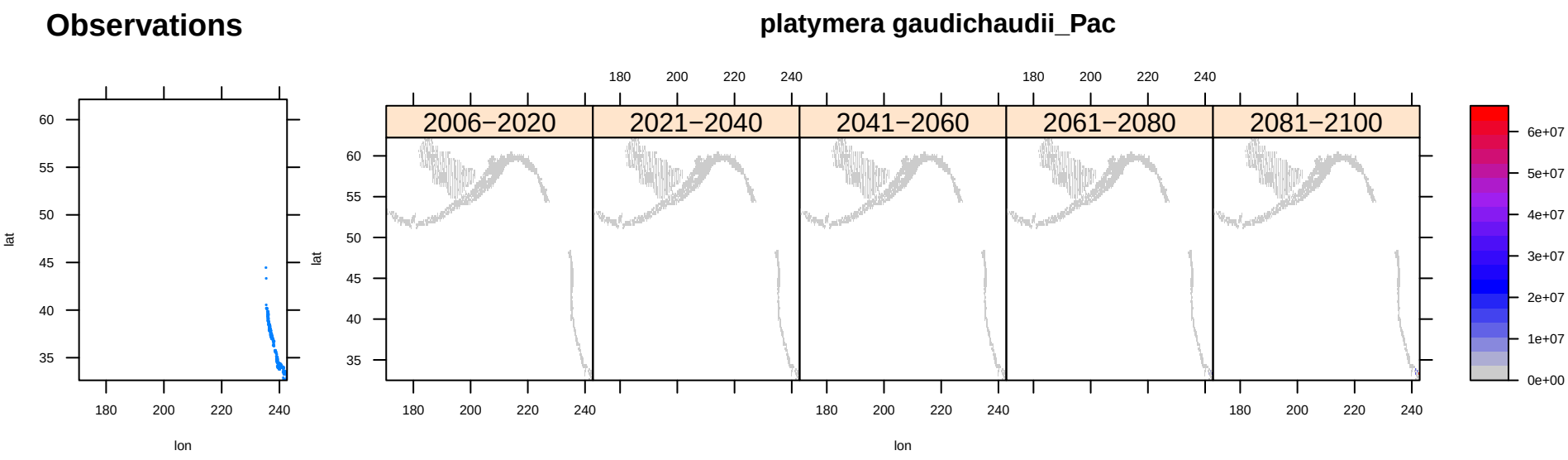
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platymera gaudichaudii_Pac
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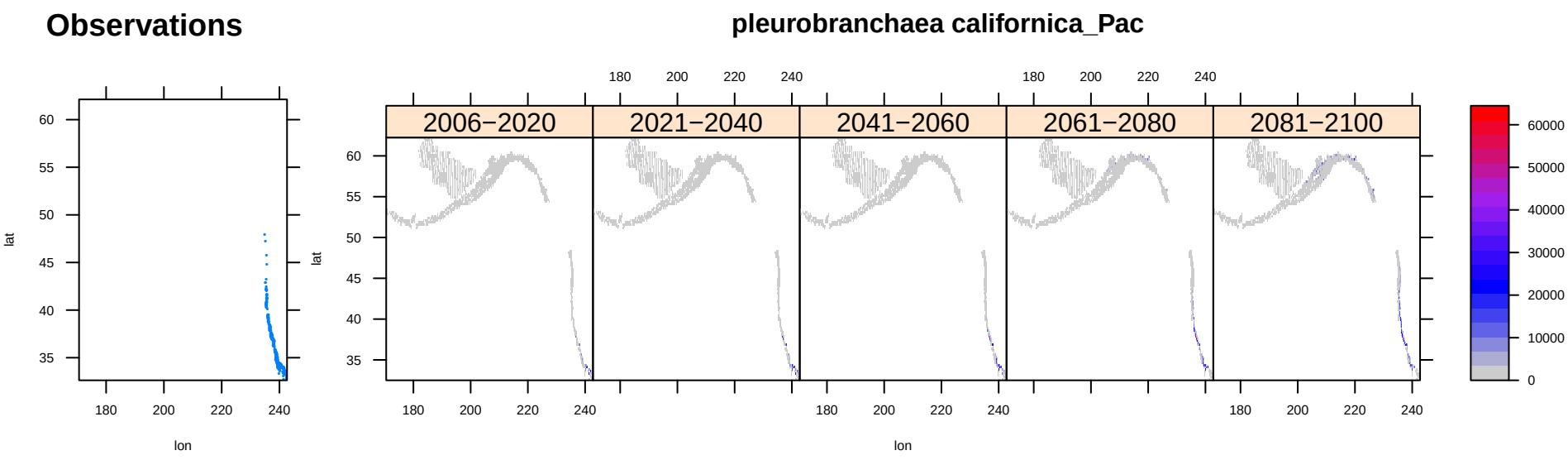
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pleurobranchaea californica_Pac
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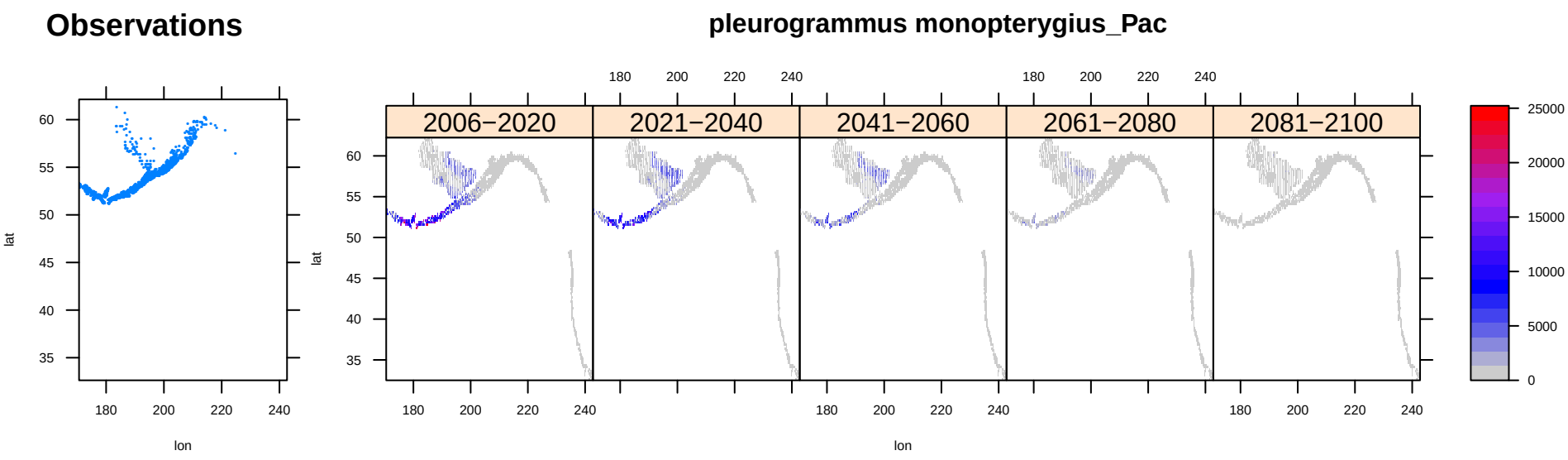
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pleurogrammus monopterygius_Pac
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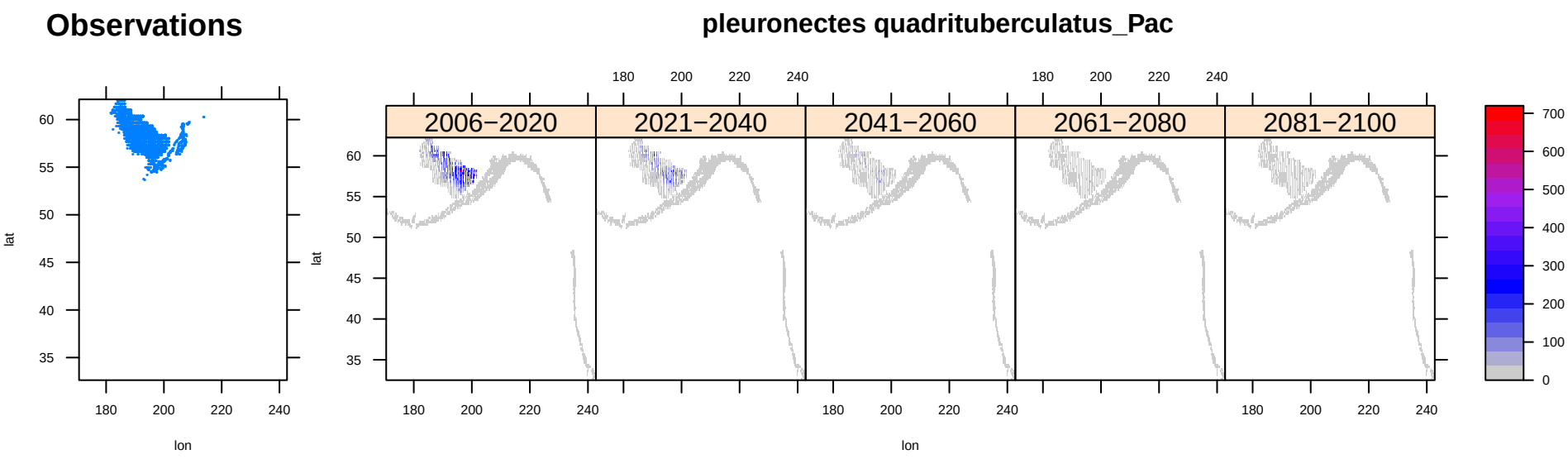
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pleuronectes quadrituberculatus_Pac
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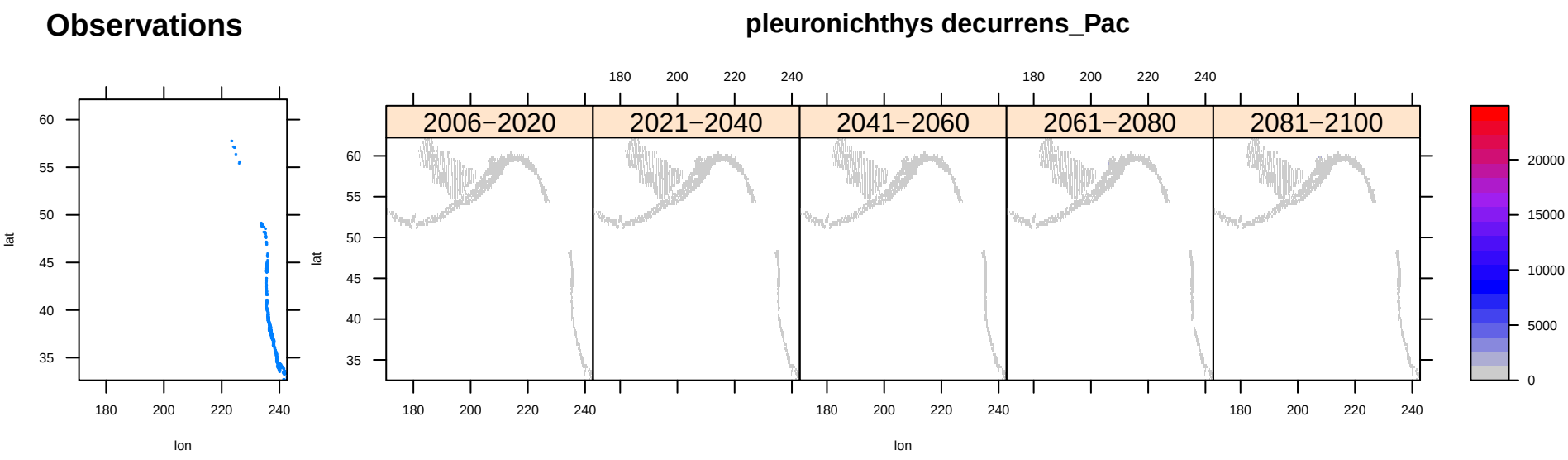
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pleuronichthys decurrens_Pac
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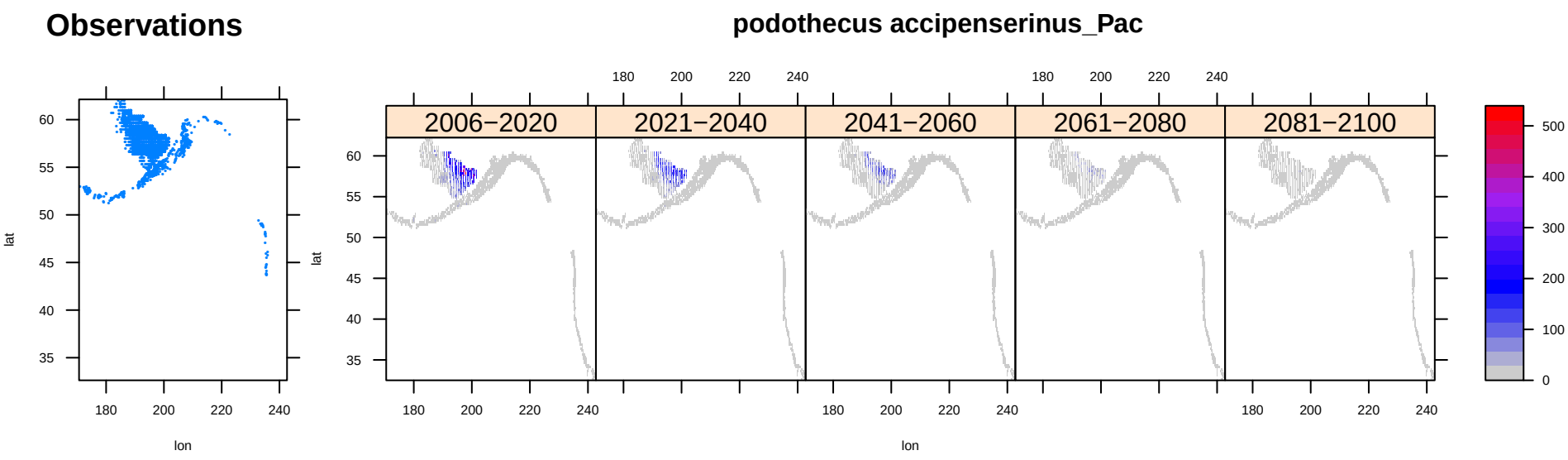
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podothecus accipenserinus_Pac
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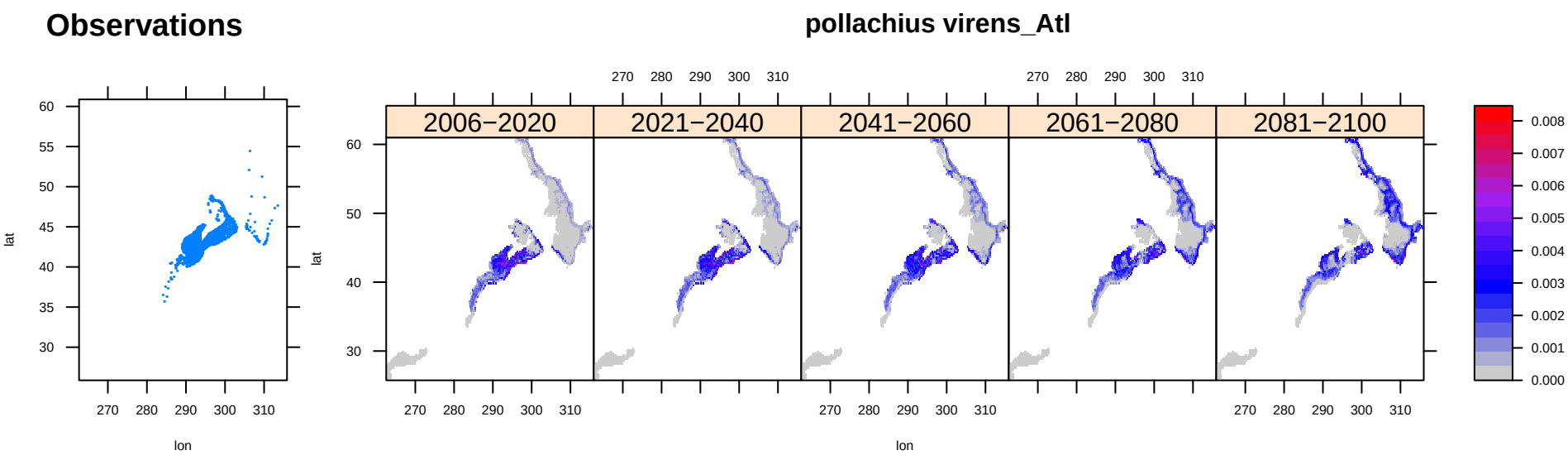
Observations
pollachius virens_Atl
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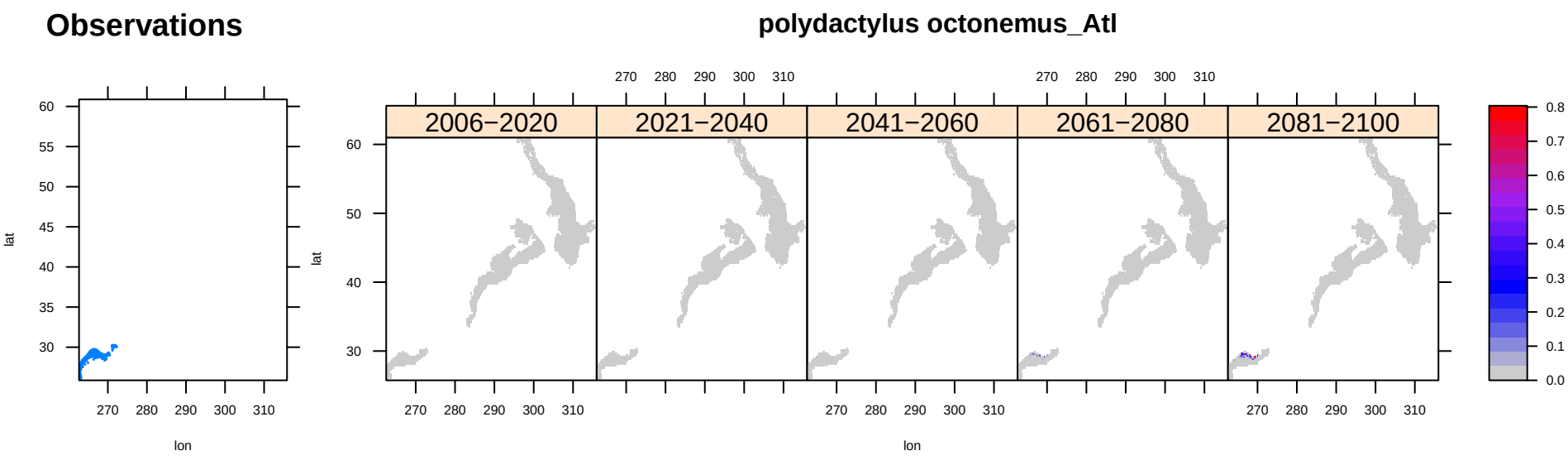
Observations
polydactylus octonemus_Atl
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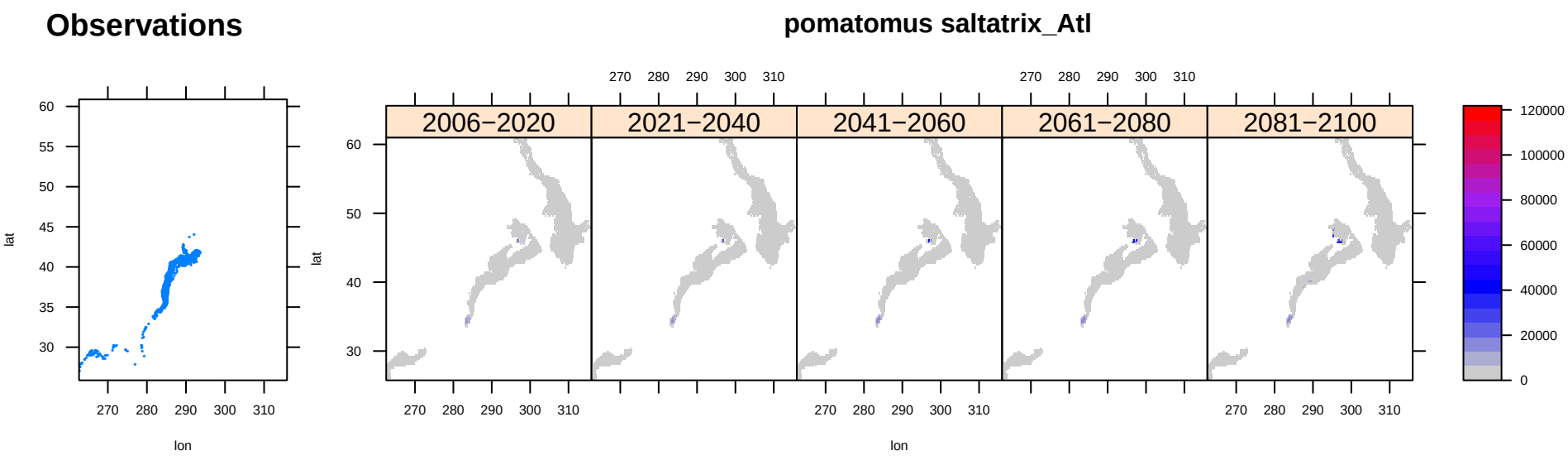
Observations
pomatomus saltatrix_Atl
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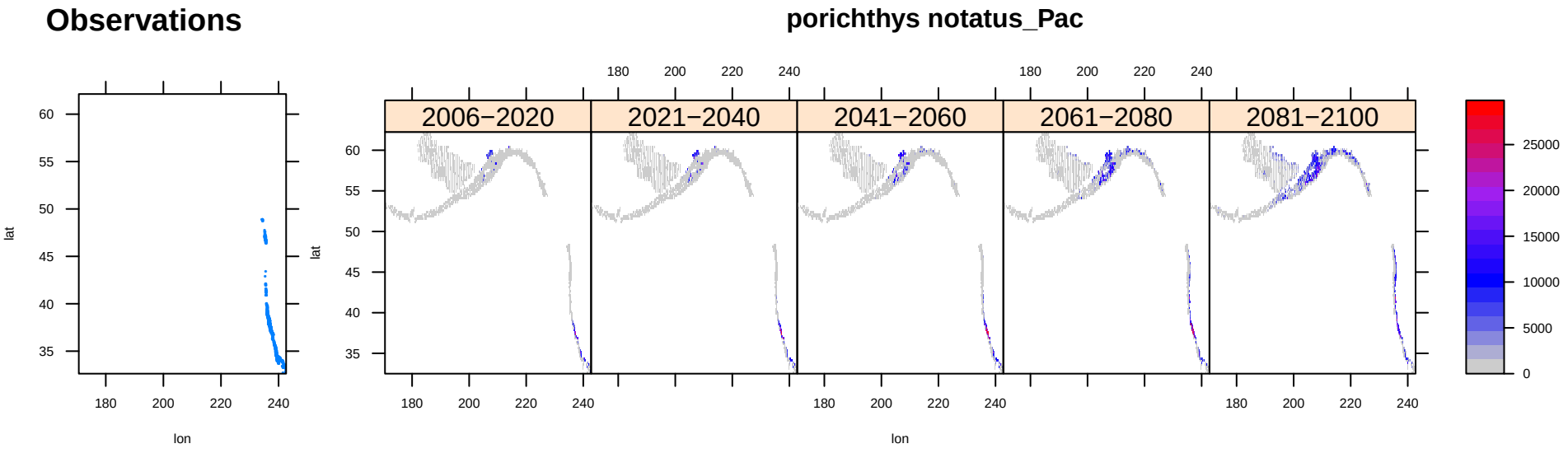
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porichthys notatus_Pac
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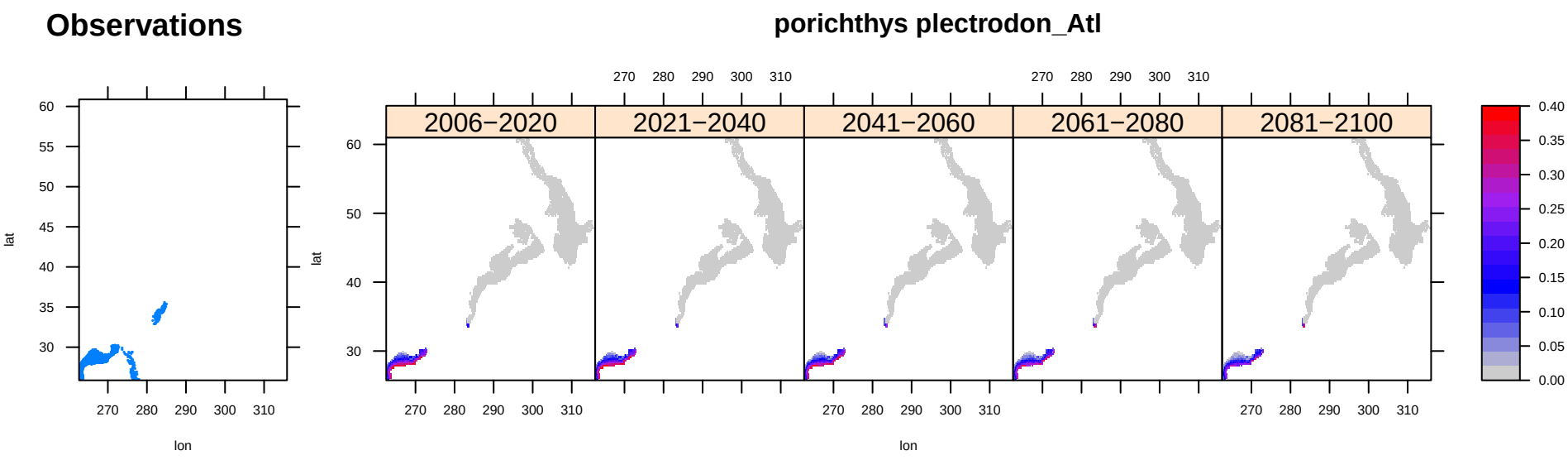
Observations
porichthys plectrodon_Atl
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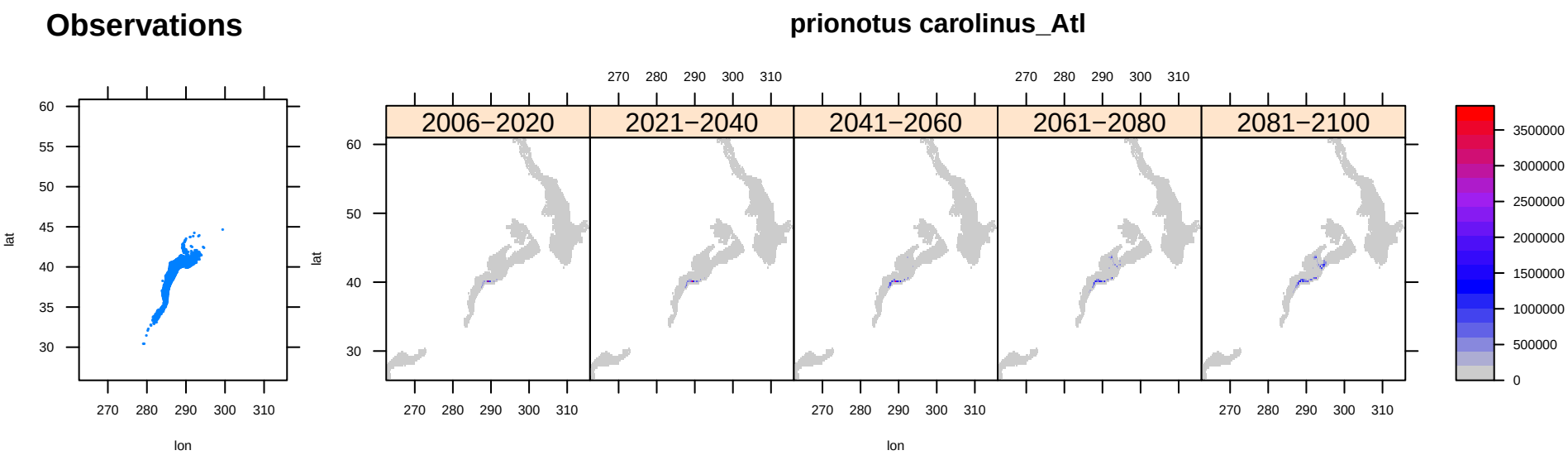
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prionotus carolinus_Atl
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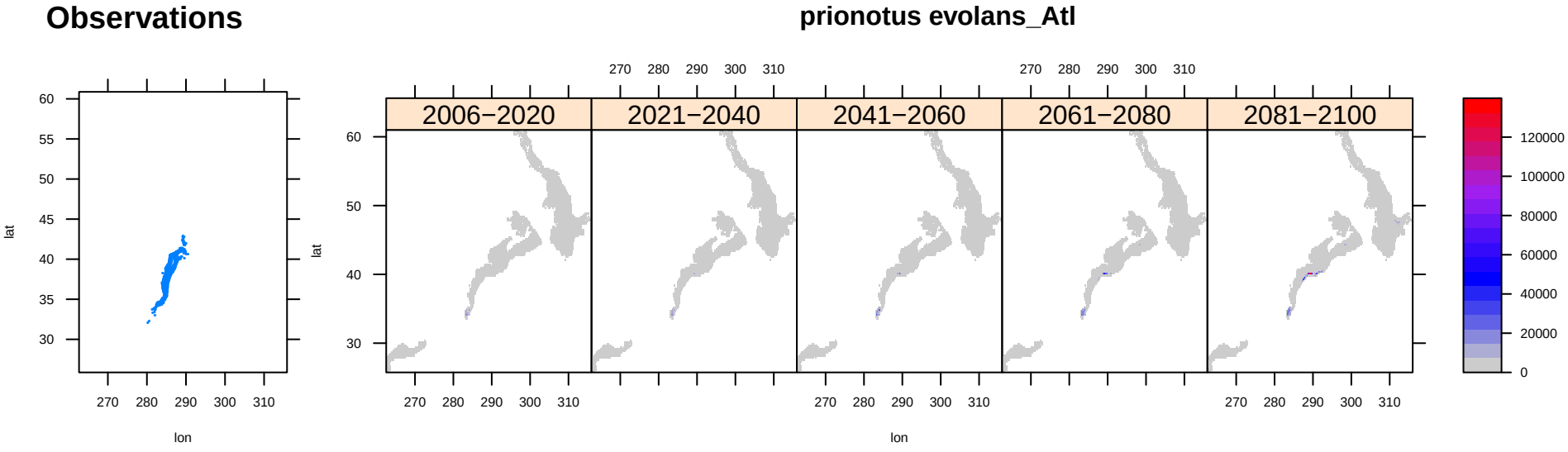
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prionotus evolans_Atl
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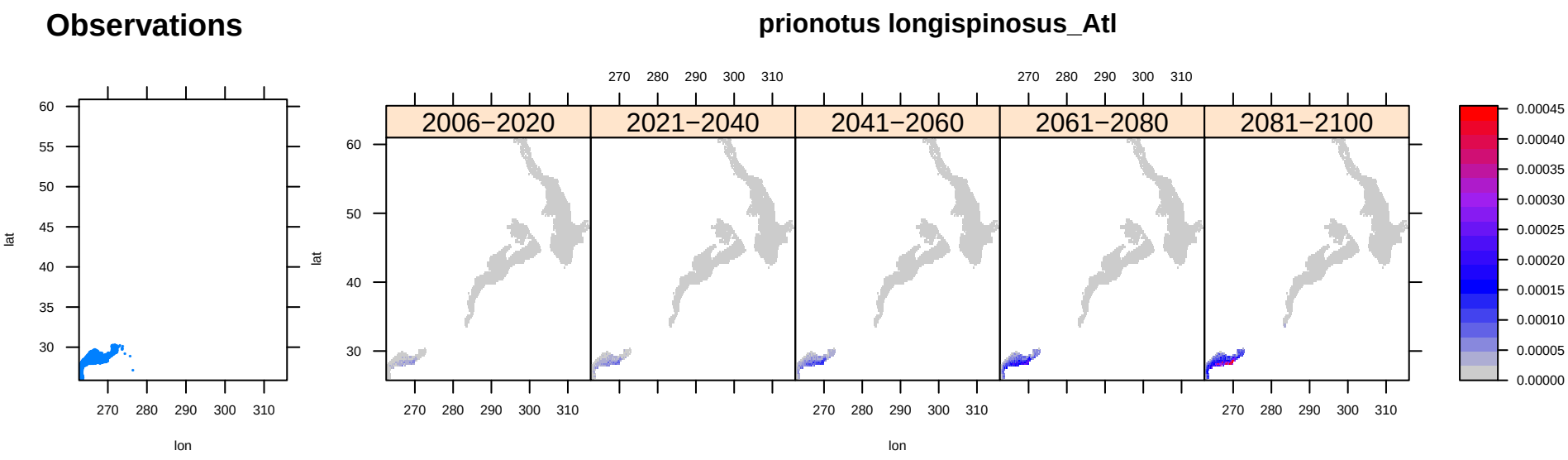
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prionotus longispinosus_Atl
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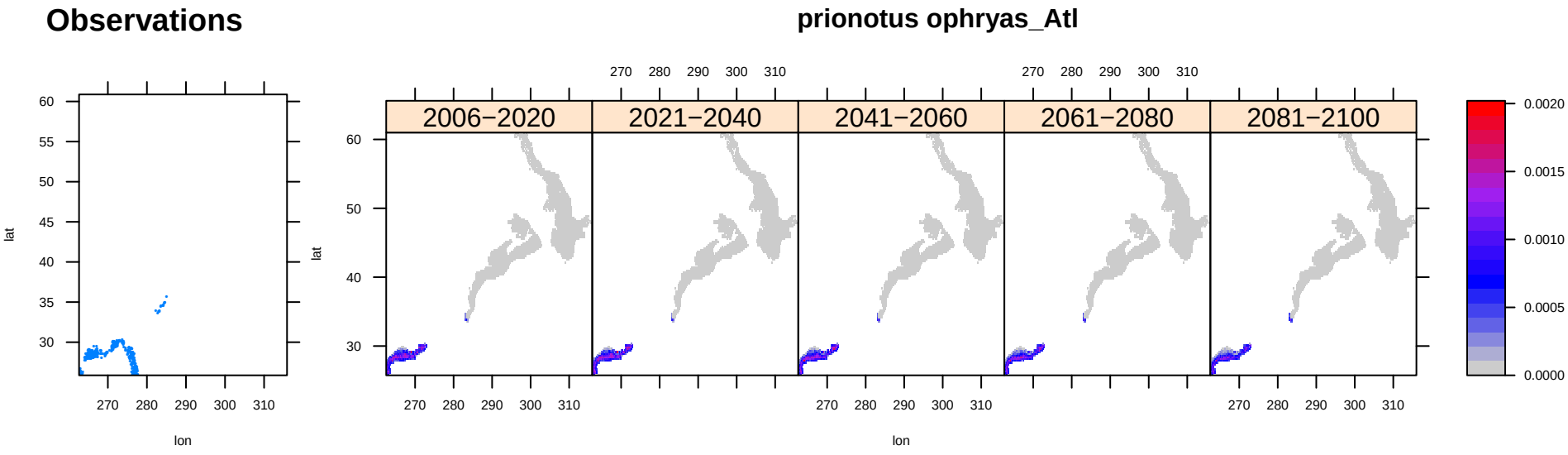
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prionotus ophryas_Atl
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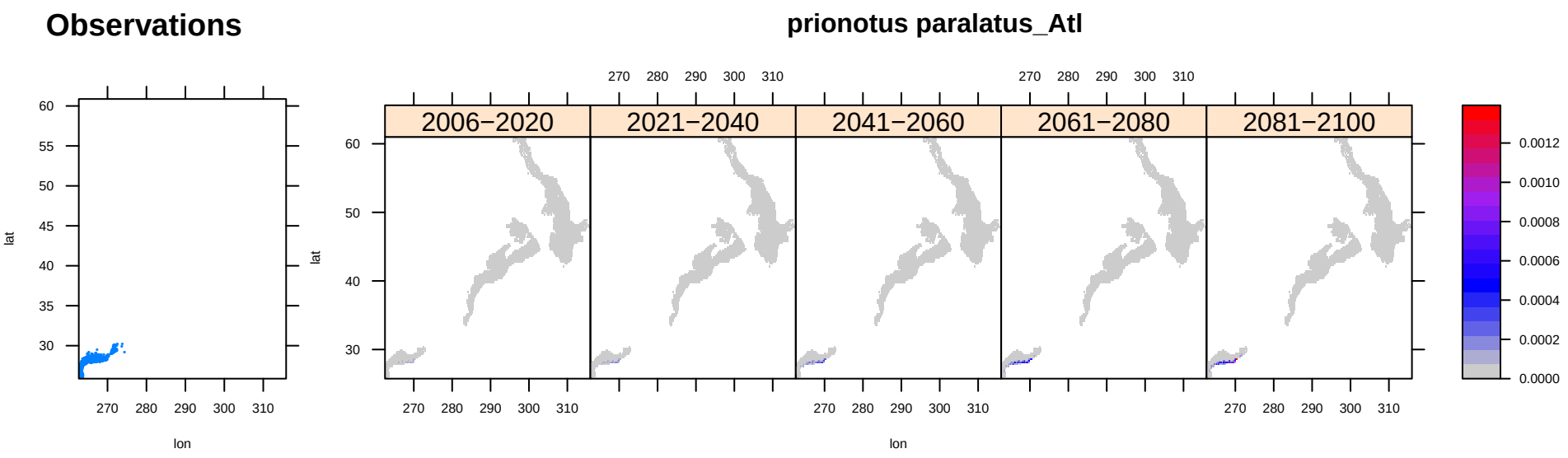
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prionotus paralatus_Atl
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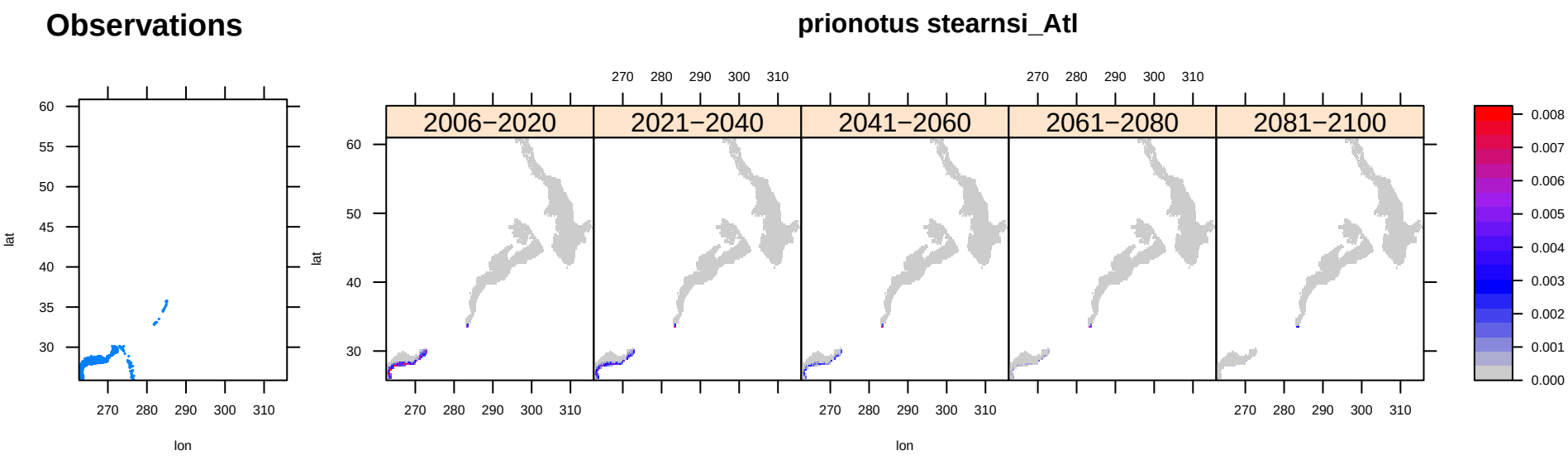
Observations
prionotus stearnsi_Atl
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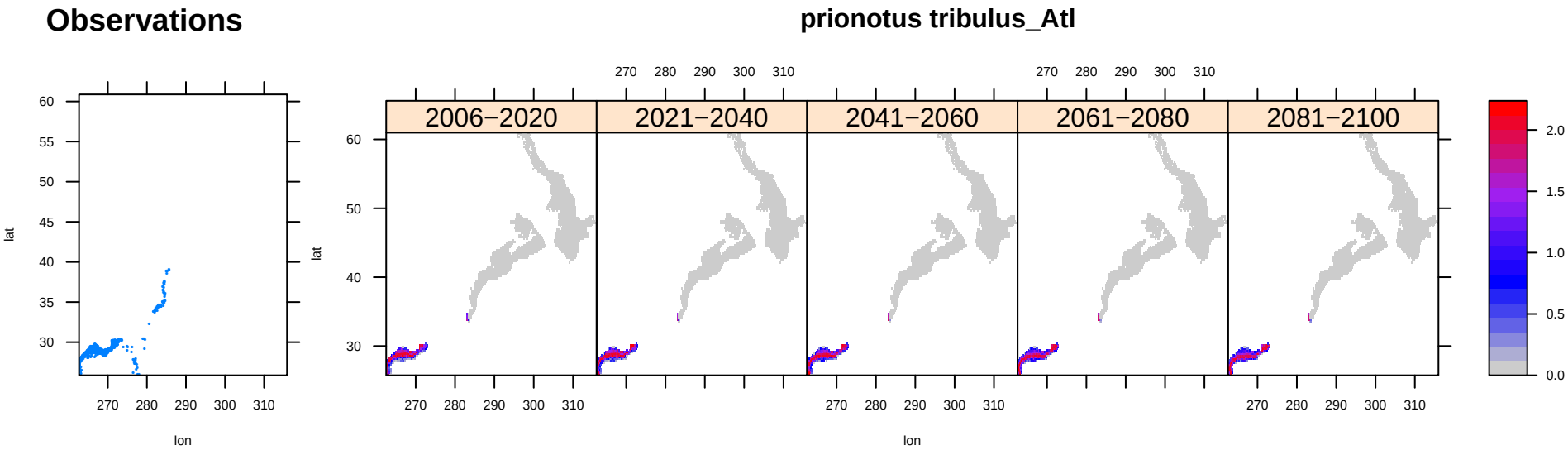
Observations
prionotus tribulus_Atl
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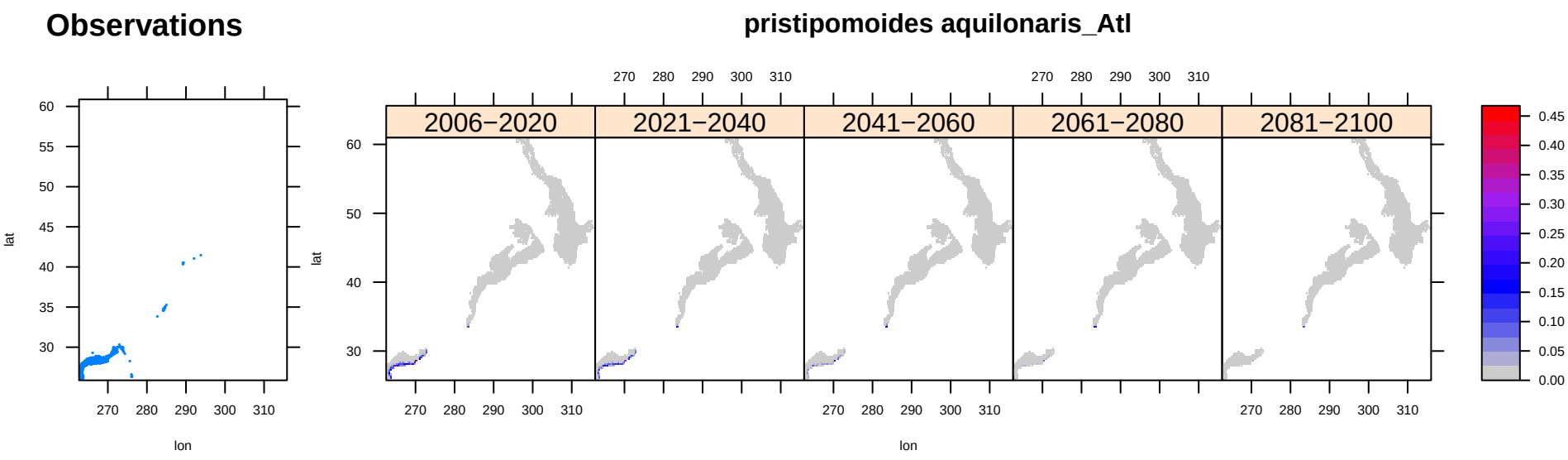
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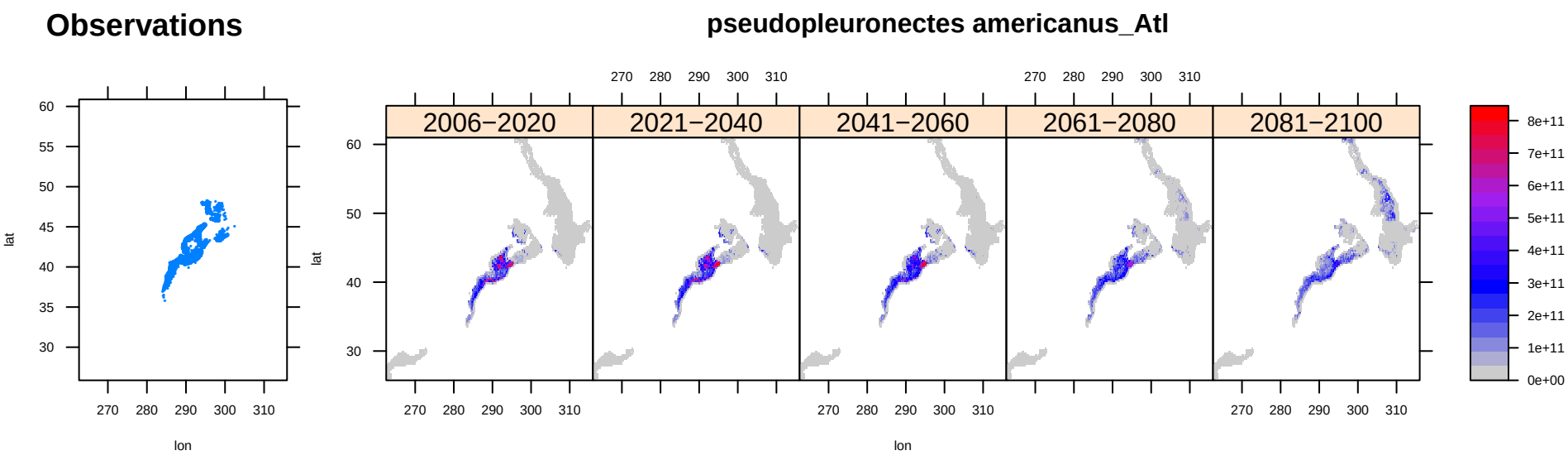
Observations
pseudopleuronectes americanus_Atl
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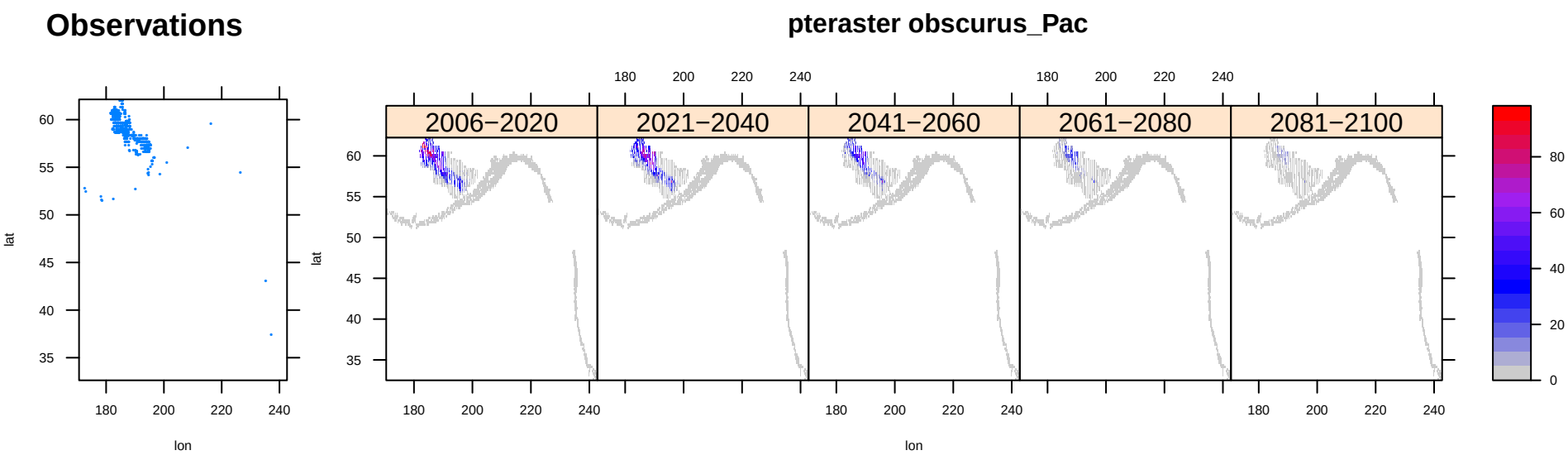
Observations
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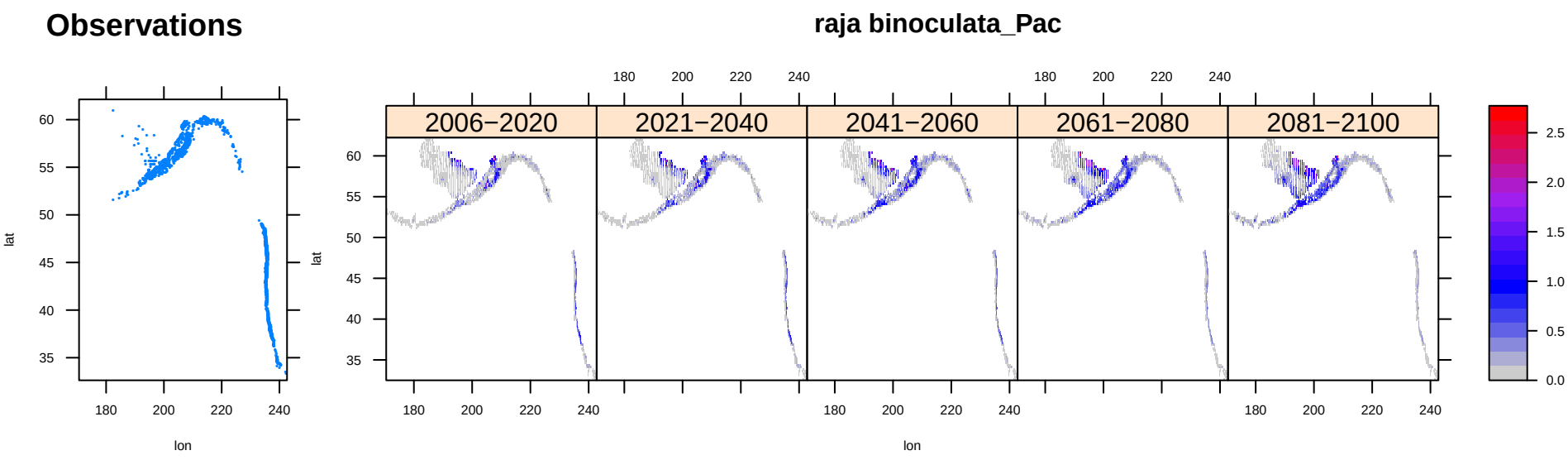
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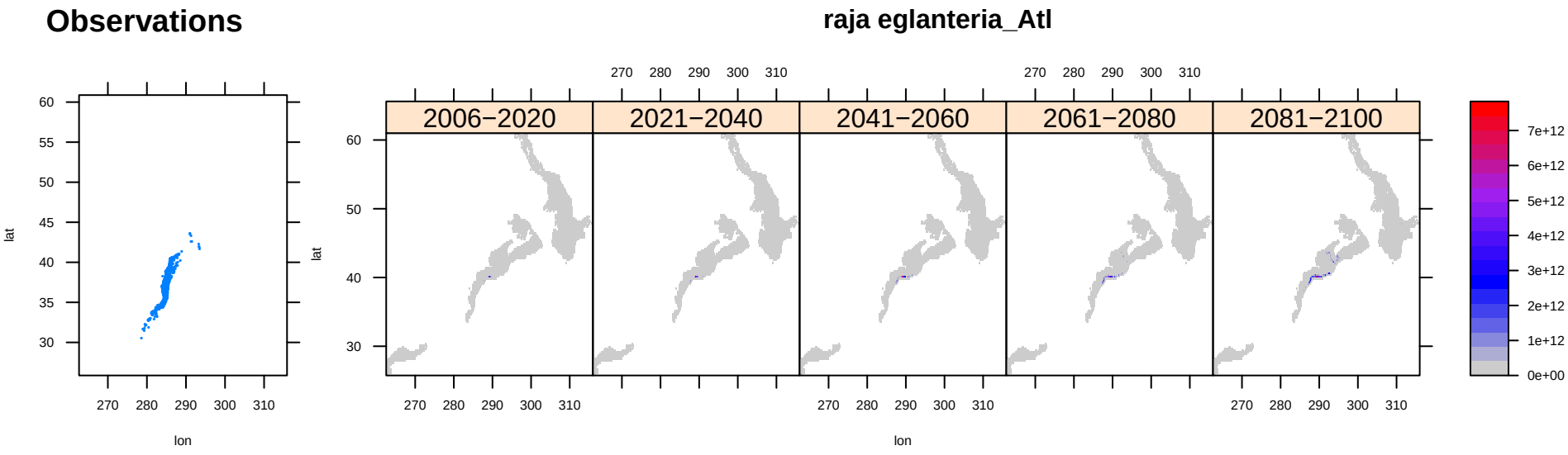
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raja eglanteria_Atl
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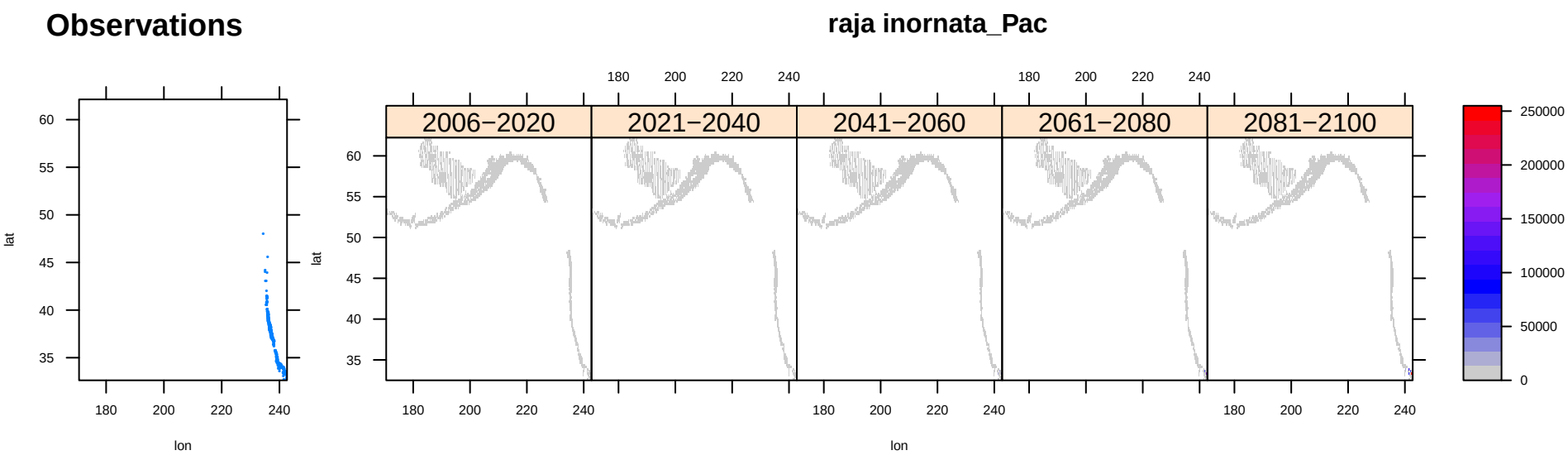
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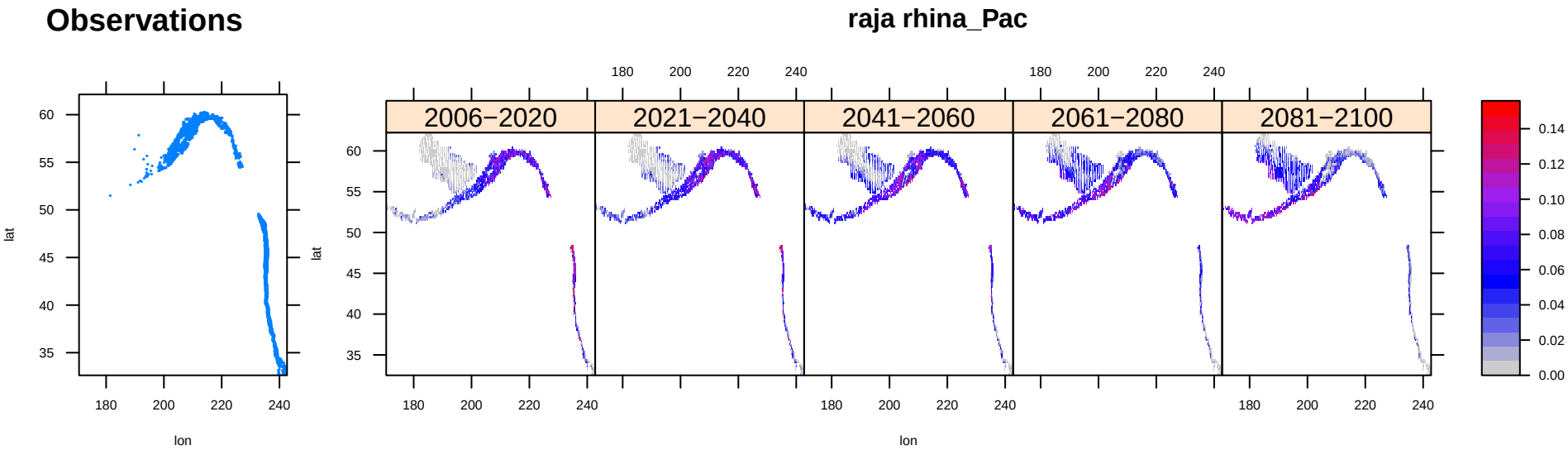
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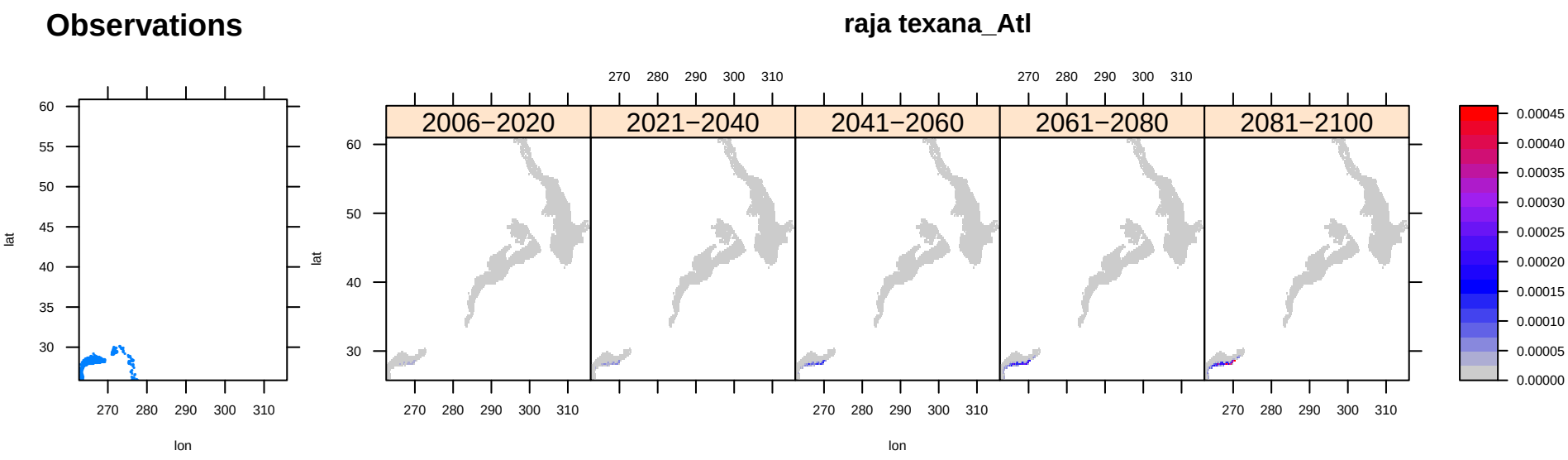
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raja texana_Atl
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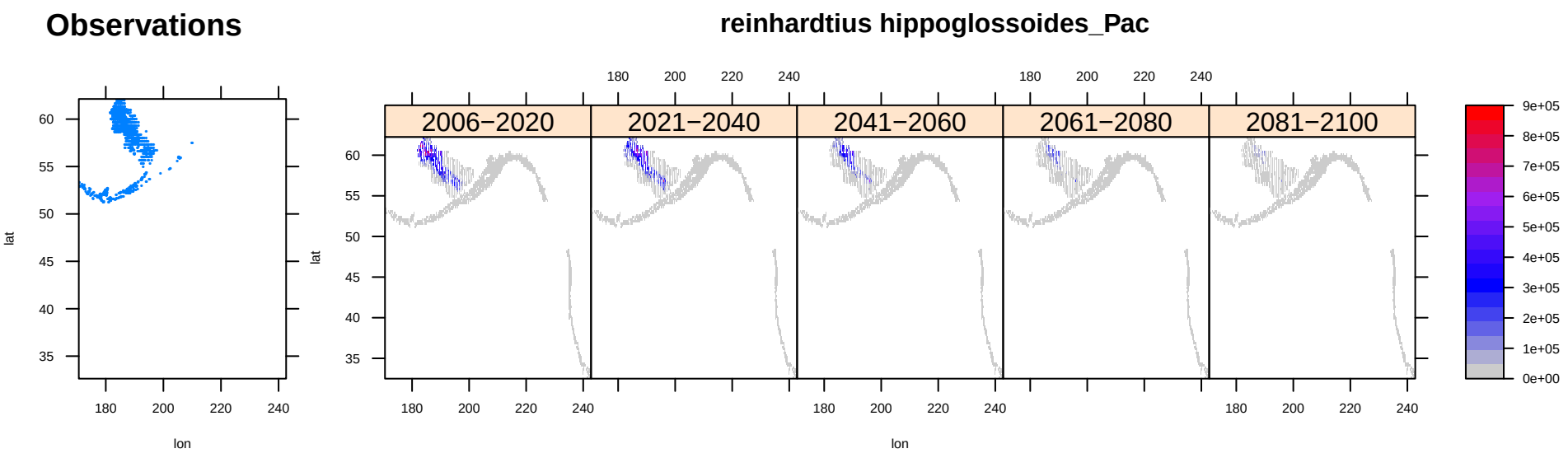
Observations
reinhardtius hippoglossoides_Pac
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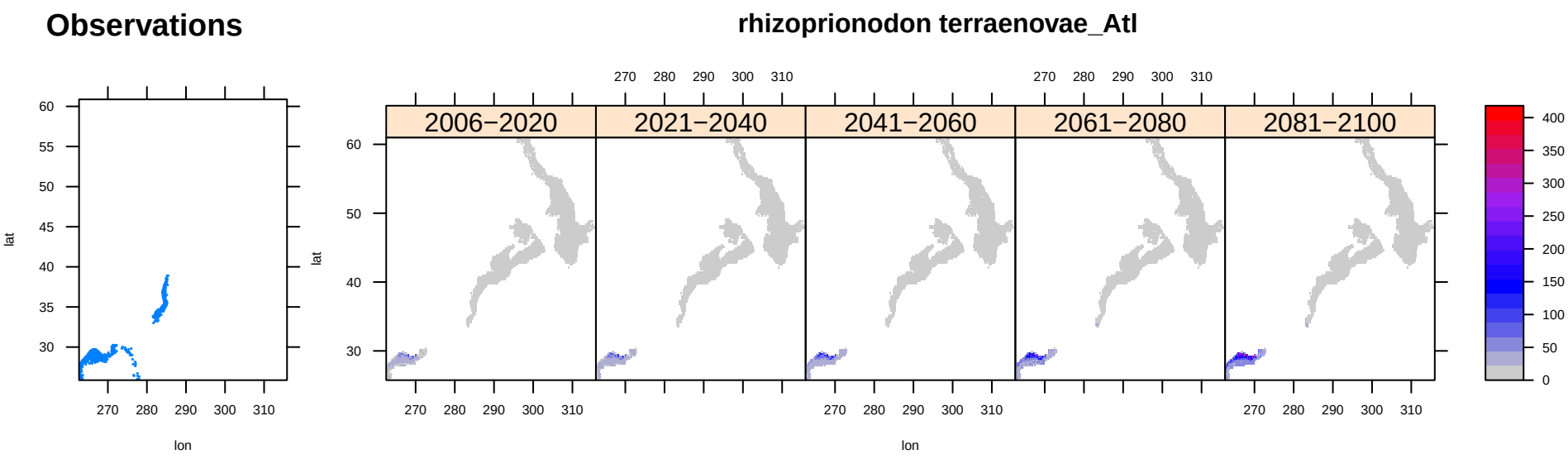
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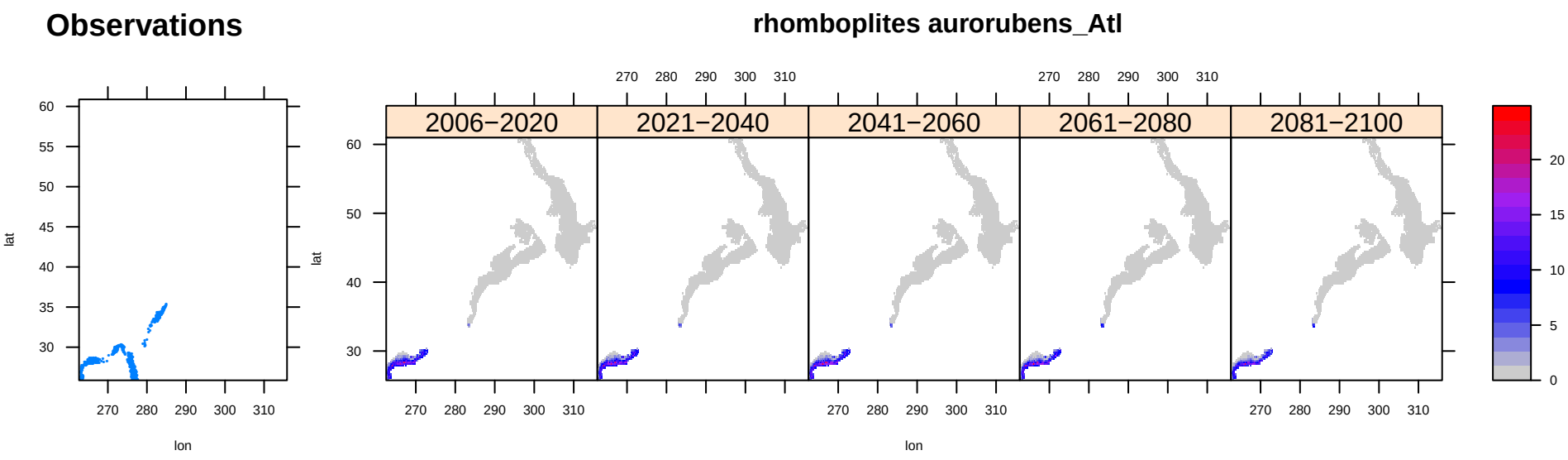
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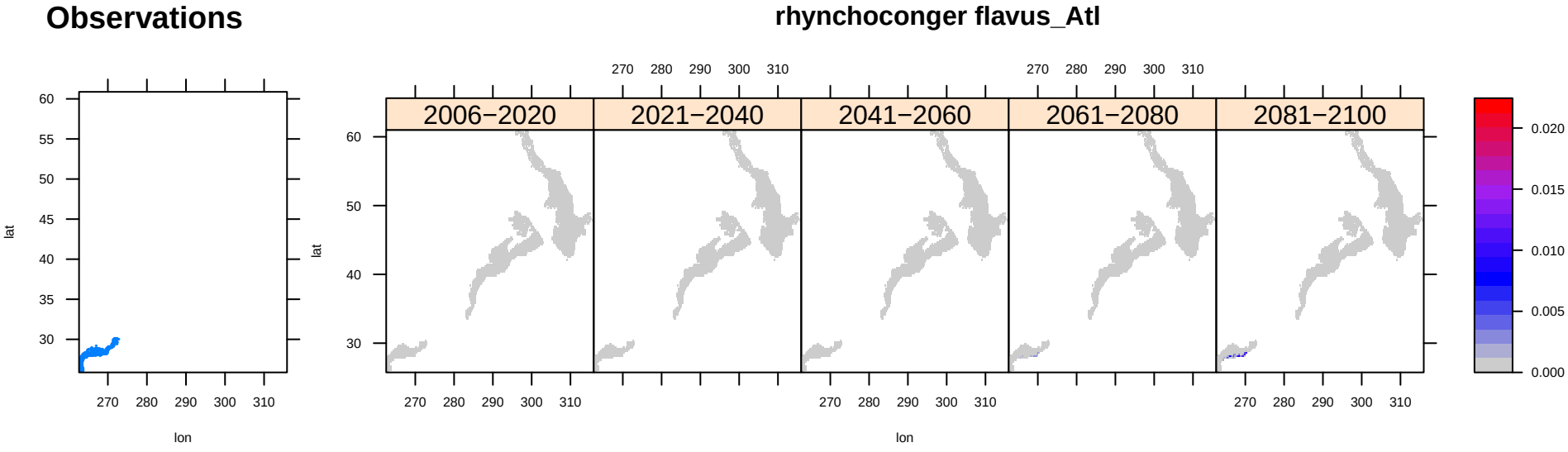
5
0


Observations
rhynchoconger flavus_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
0.020
0.015
0.010
0.005
0.000