

# 1983–2022 June, July, & August significant longitudinal shifts in gCOBs

Species

deep-water

subtropical

*Urophycis cirrata*

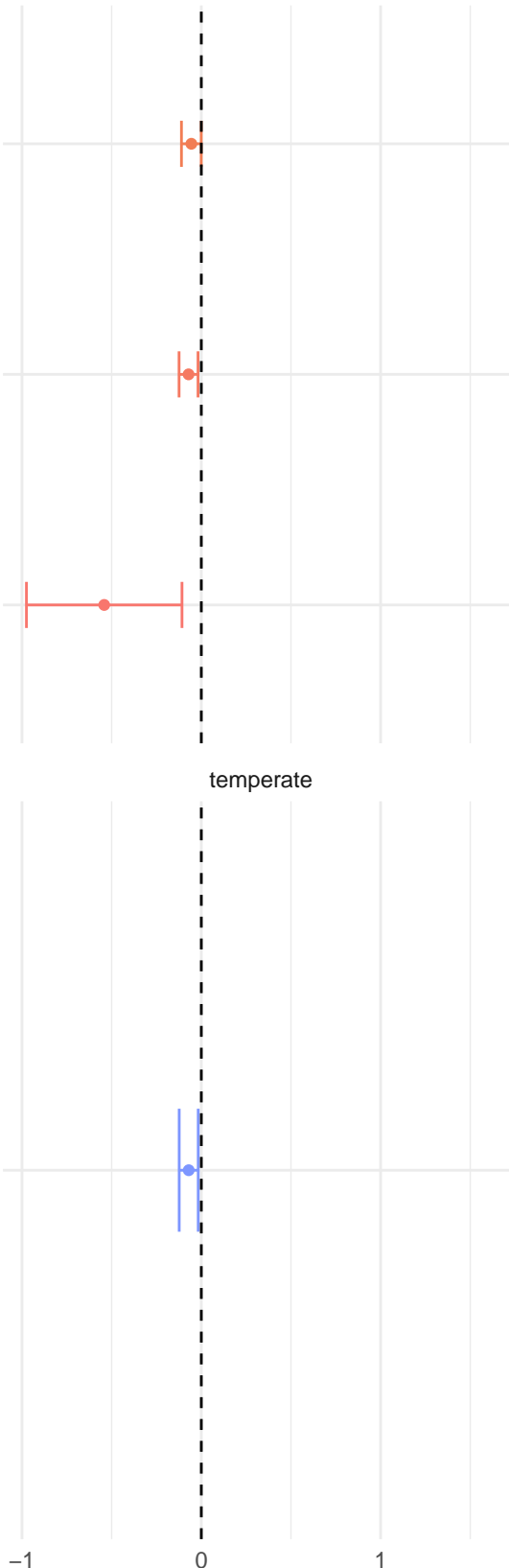
*Peristedion gracile*

*Synagrops spinosa*

temperate

tropical

*Orthopristis chrysoptera*



*Decapterus macarellus*  
*Paralichthys albigutta*  
*Centropristis ocyrtus*  
*Xyrichtys novacula*  
*Sphoeroides dorsalis*  
*Halleutichthys aculeatus*  
*Larimus fasciatus*  
*Otophidium omostigma*  
*Rostroraja eglanteria*  
*Polydactylus octonemus*  
*Kathetostoma albigutta*  
*Stenotomus caprinus*  
*Prionotus parajatus*  
*Paralichthys lethostigma*  
*Pepilius burti*  
*Pareques umbrosus*  
*Lutjanus campechanus*  
*Prionotus tribulus*  
*Gymnachirus texae*  
*Ancylorsetta quadrocclata*  
*Sphoeroides parvus*  
*Centropristis philadelphica*  
*Prionotus stearnsi*  
*Urophycis floridana*  
*Symphurus dimedeanus*  
*Caulolatilus intermedius*  
*Rostroraja texana*  
*Citharichthys macrops*  
*Saurida brasiliensis*  
*Rhomboplites aurorubens*  
*Brotula barbata*  
*Cyclopsetta chittendeni*  
*Ariopsis felis*  
*Bagre marinus*  
*Squatina dumeril*  
*Etmopterus crossotus*  
*Hoplunnis macrurus*  
*Bregmaceros atlanticus*  
*Symphurus civitatum*  
*Astroscoptes y-graecum*  
*Bathyanthias mexicana*  
*Ophidion grayi*  
*Neomerinthe hemingwayi*  
*Symphurus piagiusa*  
*Gymnothorax higrmarginalatus*  
*Bollmannia cornutus*  
*Hirundichthys rondeletii*  
*Histrio histrio*  
*Archosargus probatocephalus*  
*Urophycis regia*  
*Prionotus alatus*  
*Sardinella brasiliensis*  
*Stephanolepis hispidus*

