

# Hydrographic Atlas of the World Ocean Circulation Experiment (WOCE)

## Volume 4: Indian Ocean

Lynne D. Talley

Series edited by Michael Sparrow, Piers Chapman and John Gould



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Volume 4: Indian Ocean

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Series edited by Michael Sparrow, Piers Chapman and John Gould.

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### Horizontal Maps

#### Depth Maps

	$\gamma^n$ (kg/m <sup>3</sup> )	$\theta$ (°C)	S (PSS78)	O <sub>2</sub> ( $\mu$ mol/kg)	NO <sub>3</sub> ( $\mu$ mol/kg)	PO <sub>4</sub> ( $\mu$ mol/kg)	Si ( $\mu$ mol/kg)	CFC-11 (pmol/kg)
100 m	page 156	156	157	157	158	158	159	159
500 m	160	160	161	161	162	162	163	163
1000 m	164	164	165	165	166	166	167	167
2500 m	168	168	169	169	170	170	171	171
4000 m	172	172	173	173	174	174	175	175

Additional depth maps are available in the electronic version of the atlas.

#### Neutral Density Surface Maps

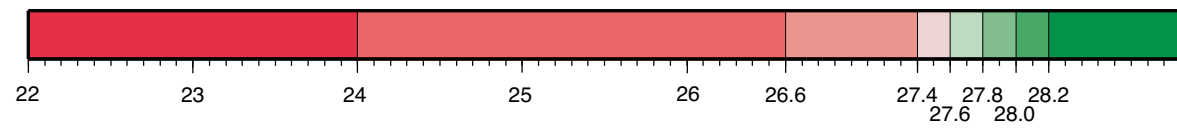
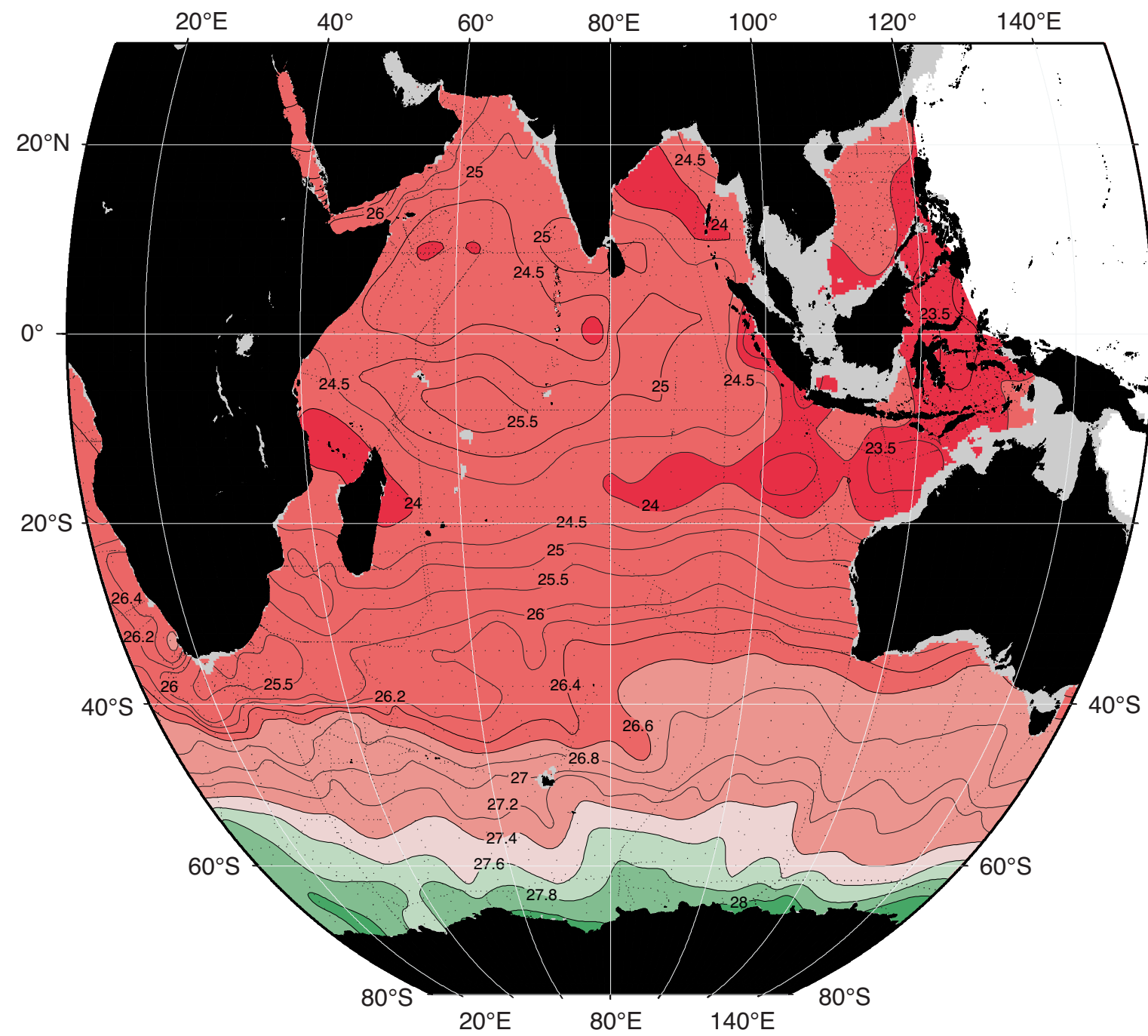
	Depth (m)	$\theta$ (°C)	S (PSS78)	O <sub>2</sub> ( $\mu$ mol/kg)	NO <sub>3</sub> ( $\mu$ mol/kg)	PO <sub>4</sub> ( $\mu$ mol/kg)	Si ( $\mu$ mol/kg)	CFC-11 (pmol/kg)
26.20 kg/m <sup>3</sup>	page 176	176	177	177	178	178	179	179
26.90 kg/m <sup>3</sup>	180	180	181	181	182	182	183	183
27.40 kg/m <sup>3</sup>	184	184	185	185	186	186	187	187
27.80 kg/m <sup>3</sup>	188	188	189	189	190	190	191	191
28.10 kg/m <sup>3</sup>	192	192	193	193	194	194	195	195

Additional neutral density maps are available in the electronic version of the atlas.

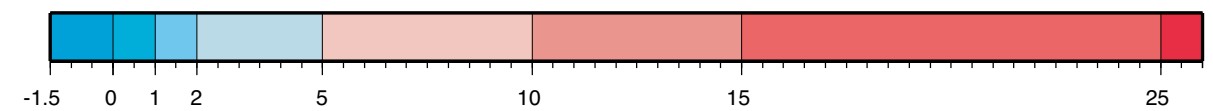
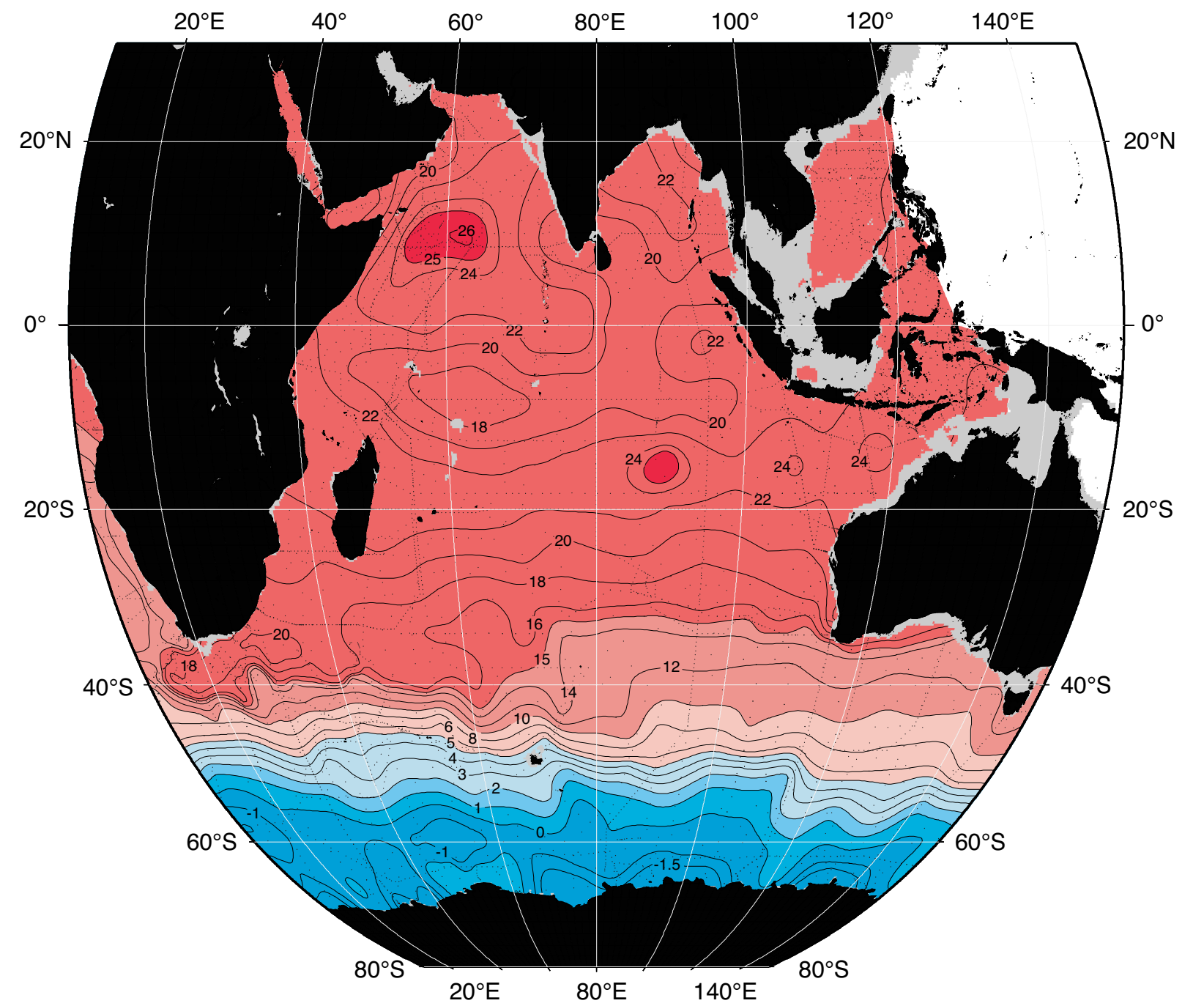


# 100 m Depth

## Neutral Density ( $\text{kg/m}^3$ )

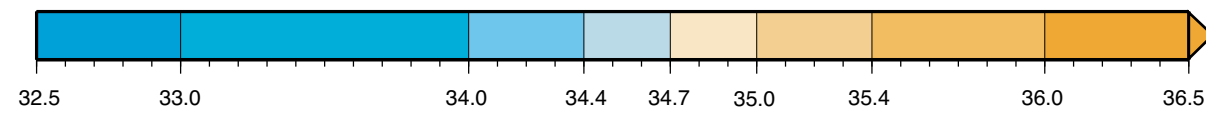
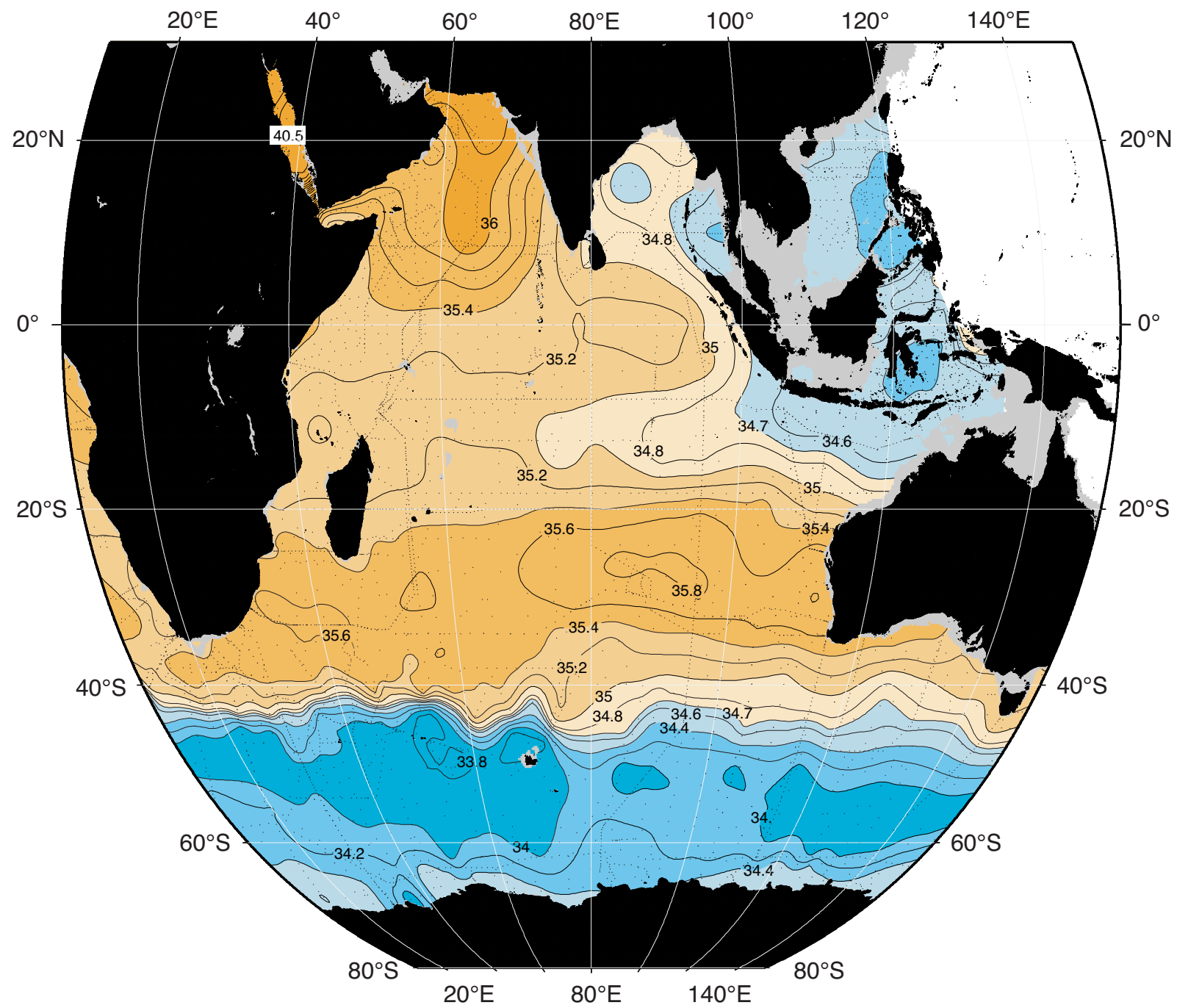


## Potential Temperature ( $^{\circ}\text{C}$ )

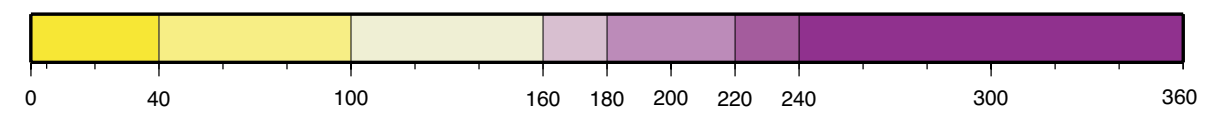
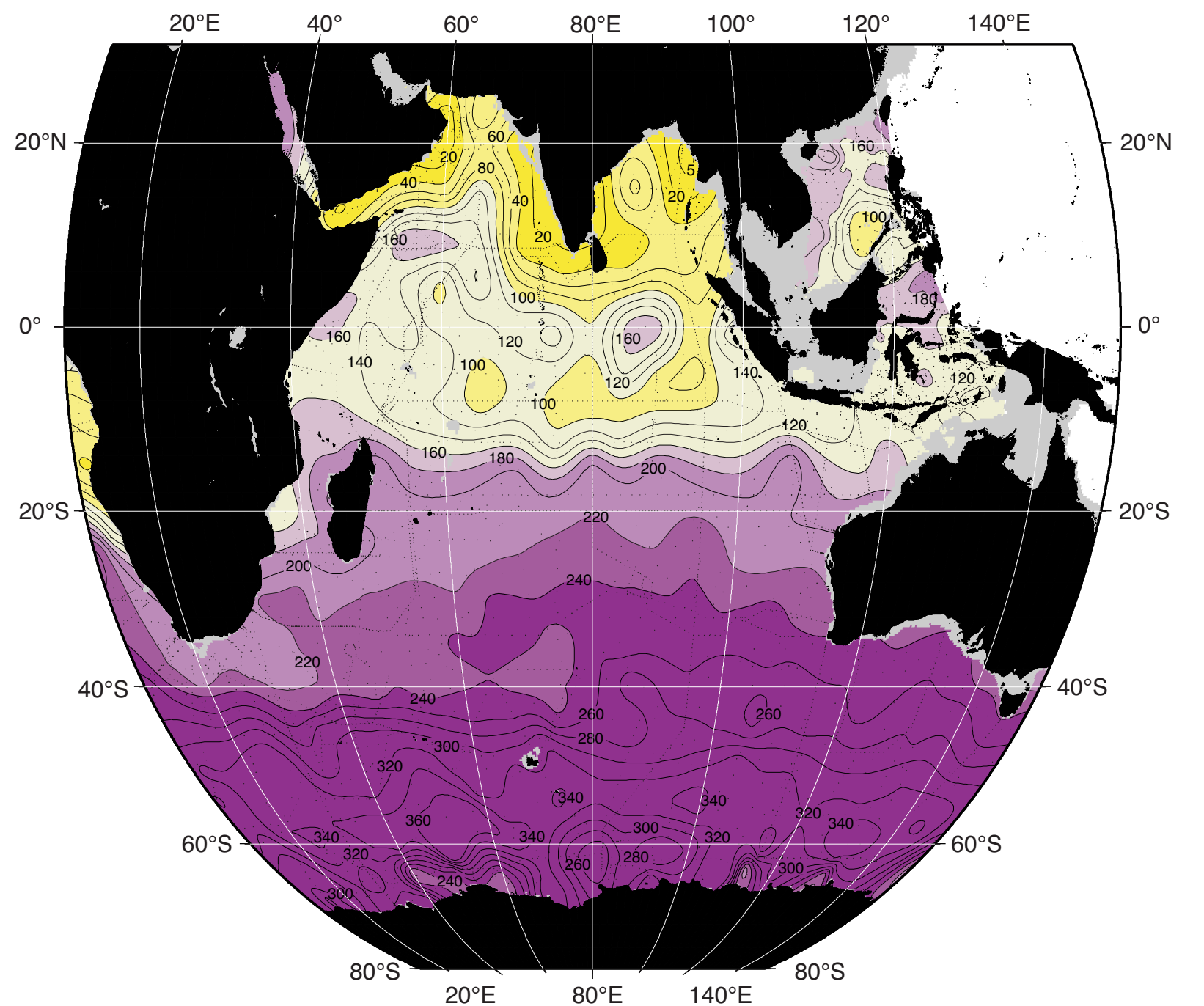


# 100 m Depth

## Salinity (PSS78)

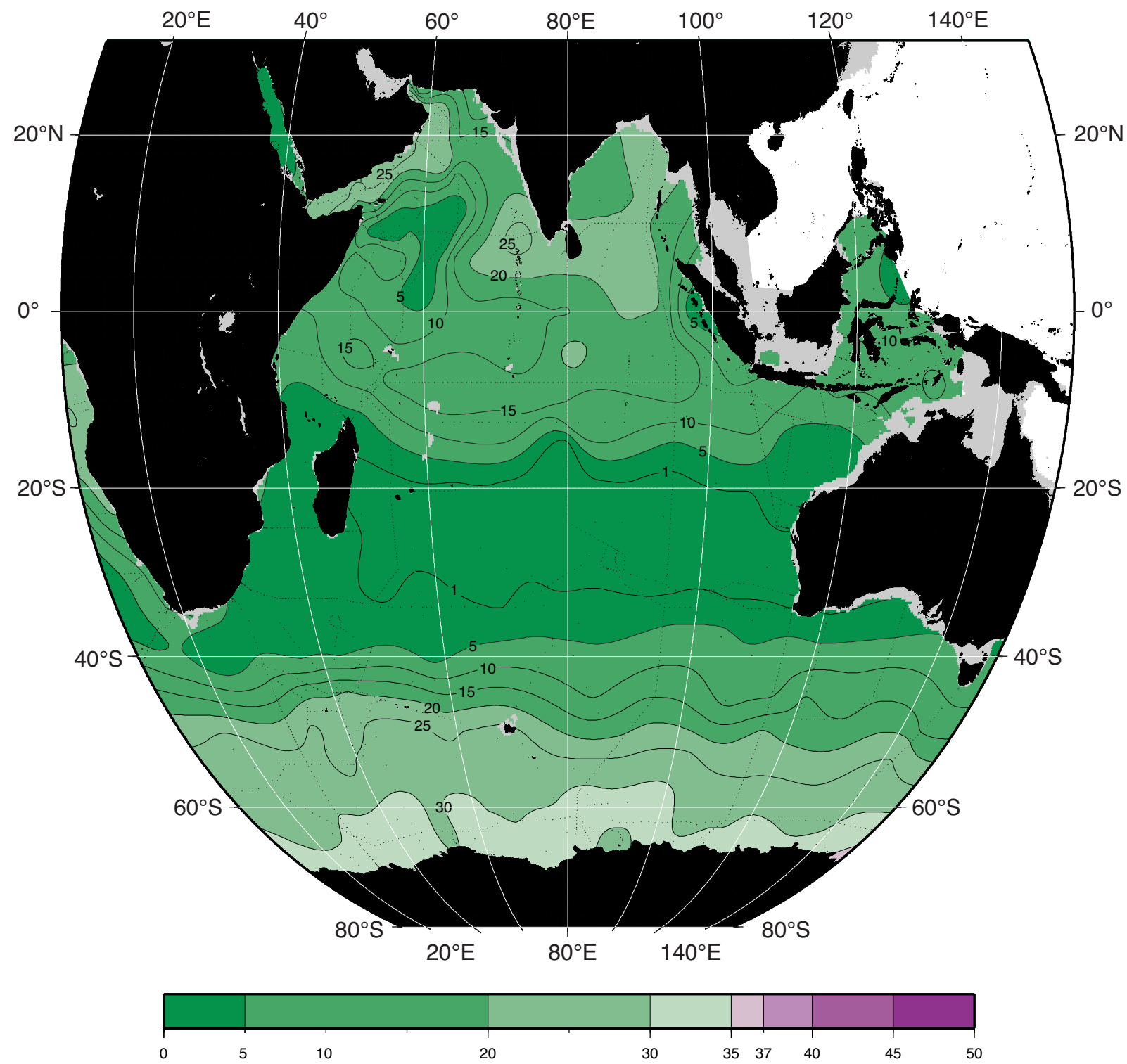


## Oxygen ( $\mu\text{mol/kg}$ )

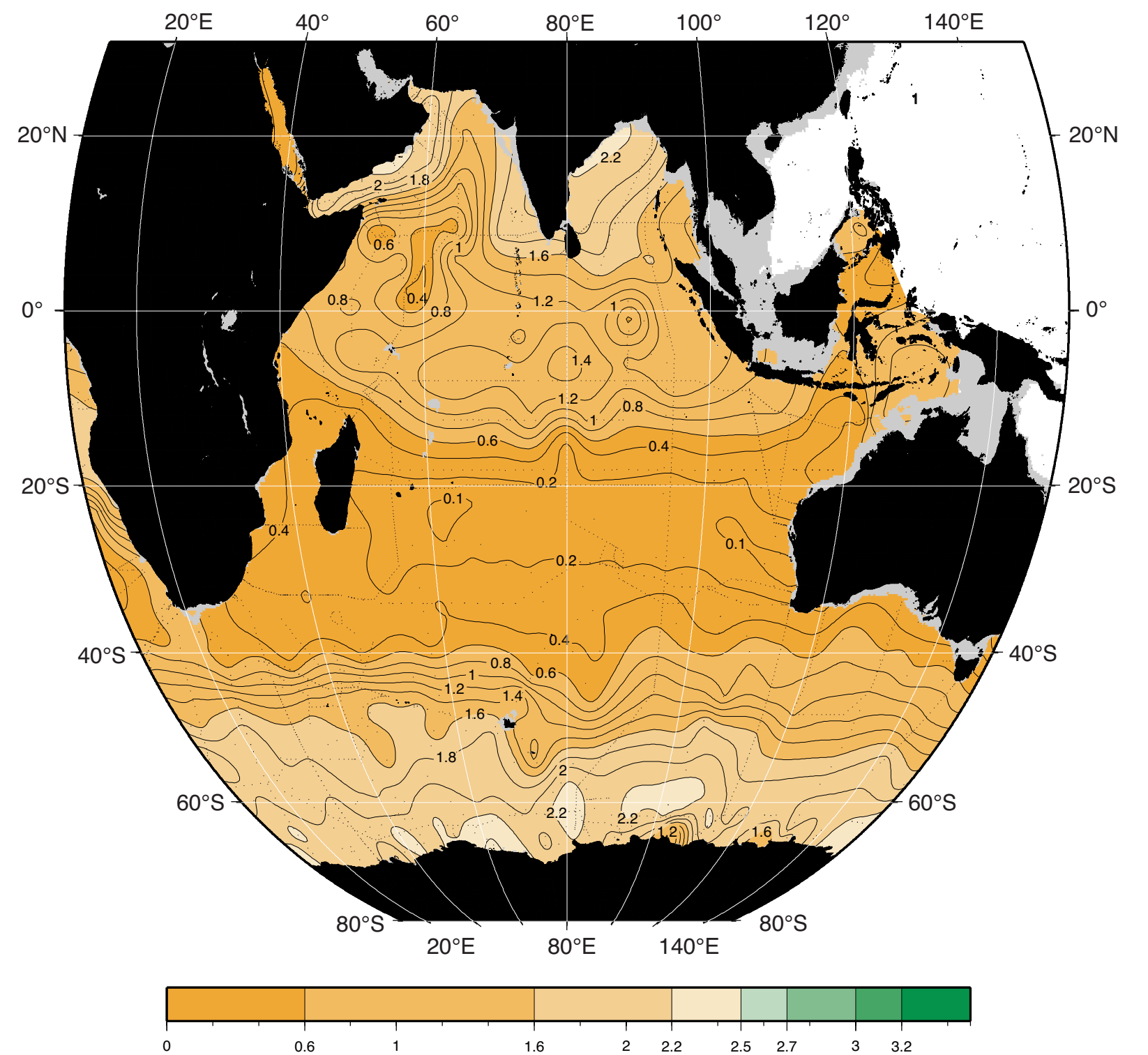


# 100 m Depth

## Nitrate ( $\mu\text{mol/kg}$ )



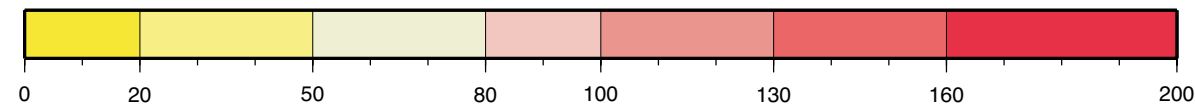
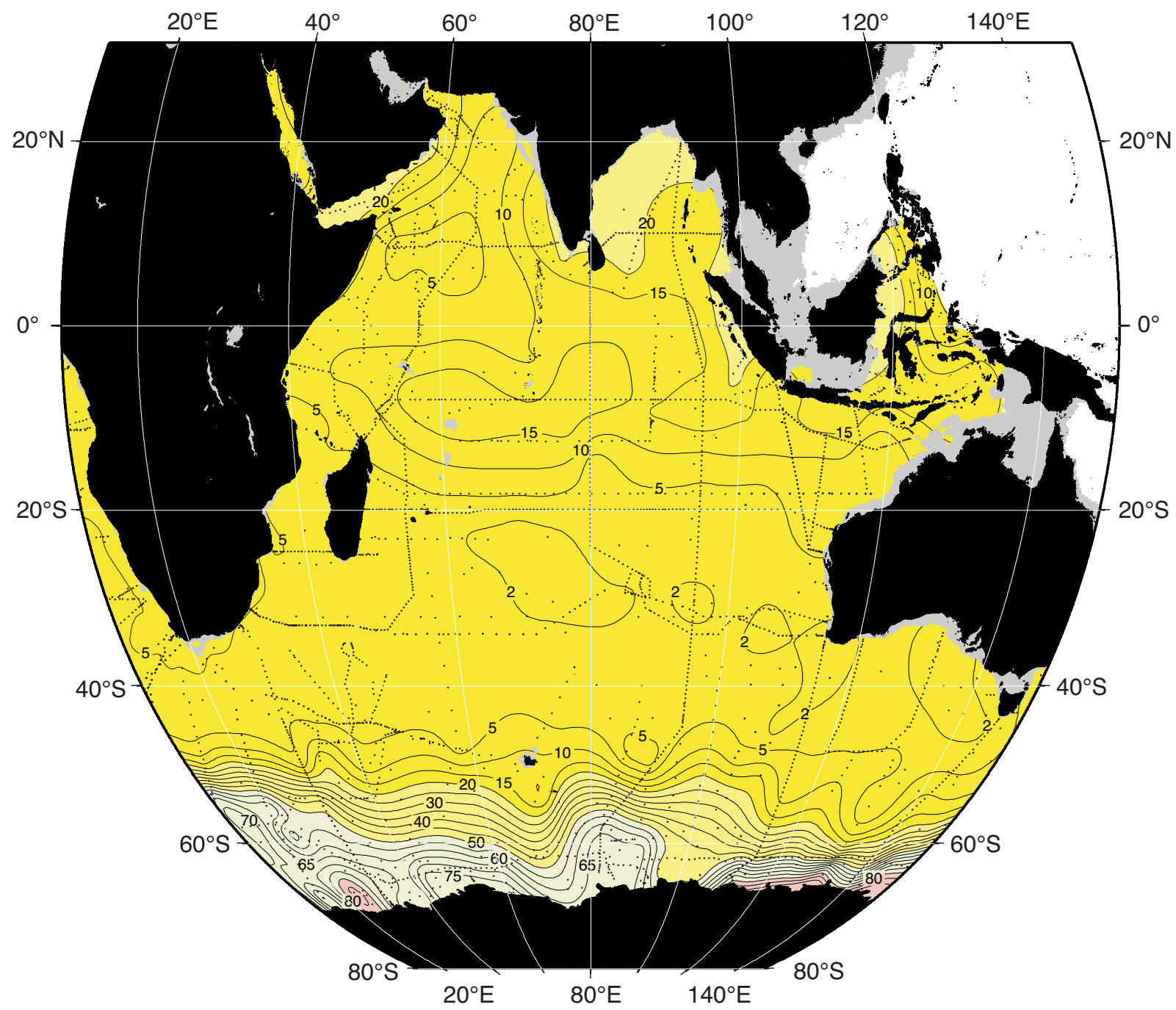
## Phosphate ( $\mu\text{mol/kg}$ )



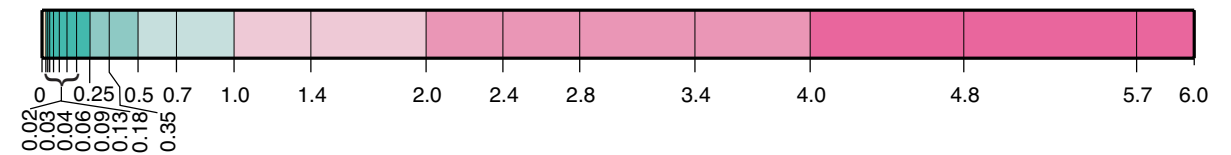
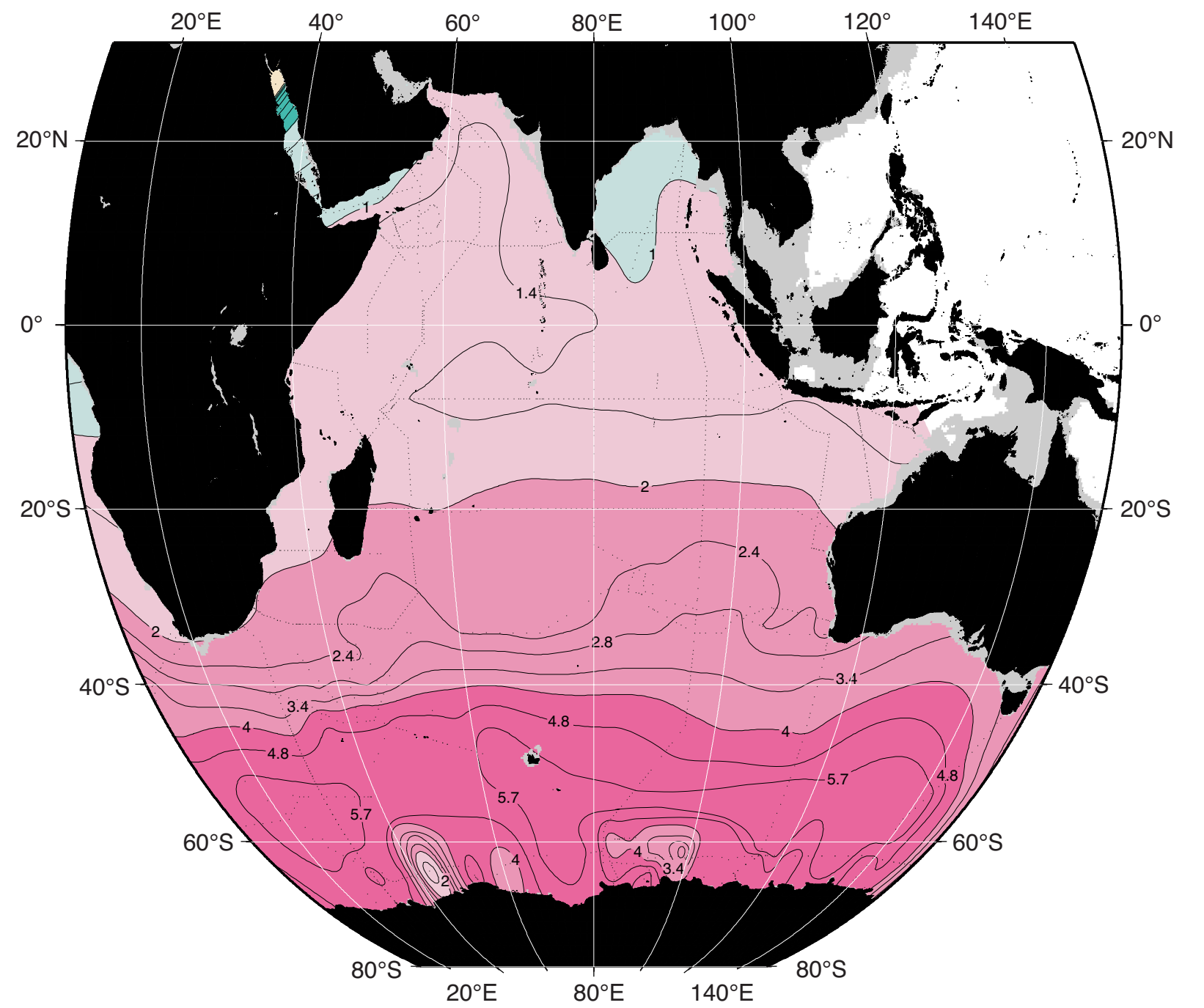


# 100 m Depth

## Dissolved Silica ( $\mu\text{mol/kg}$ )

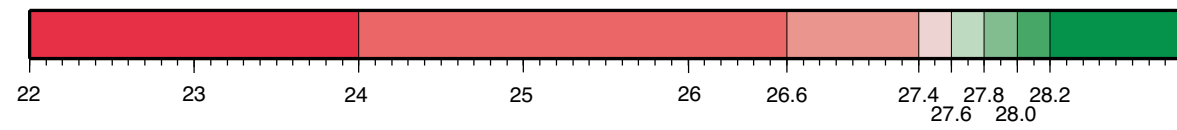
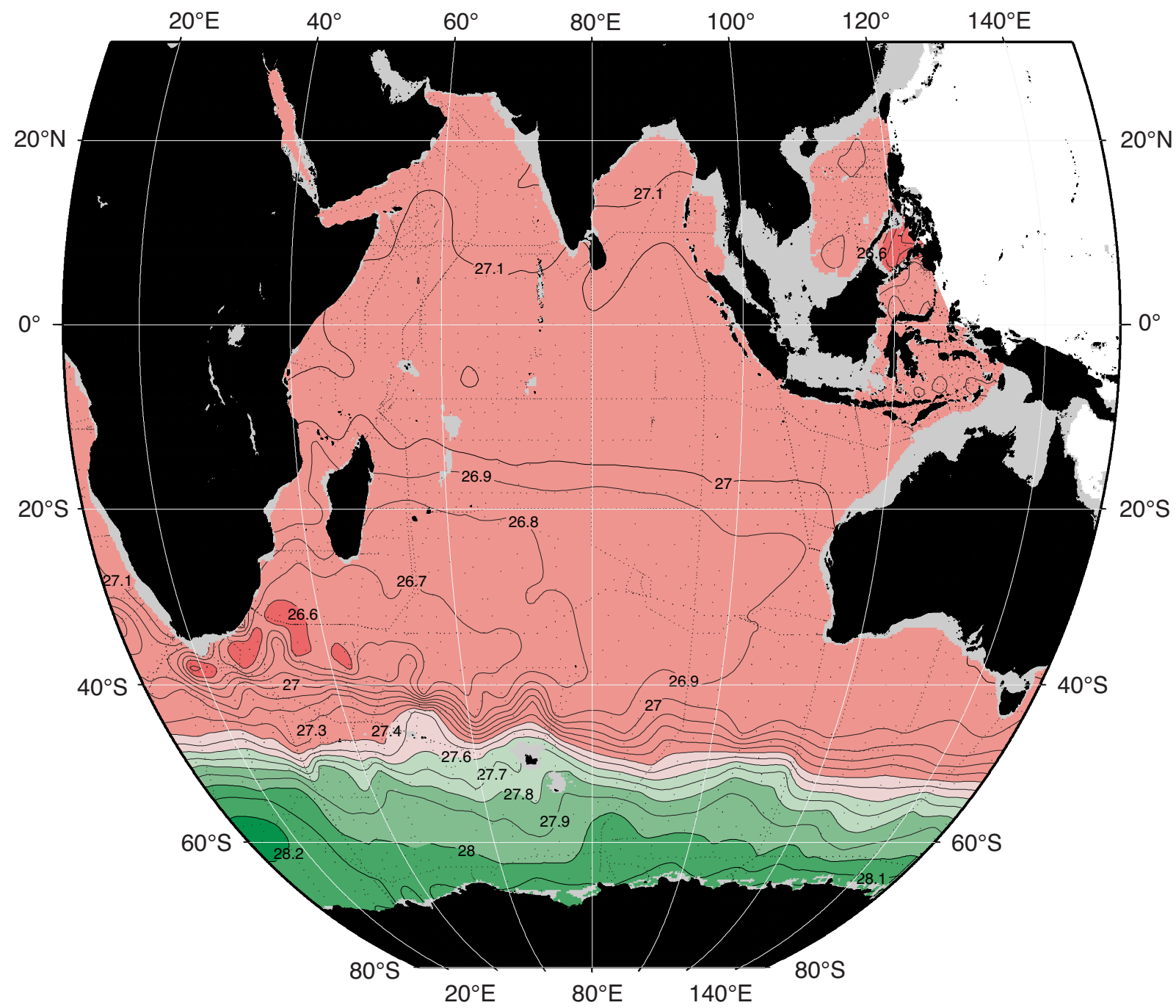


## CFC-11 ( $\text{pmol/kg}$ )

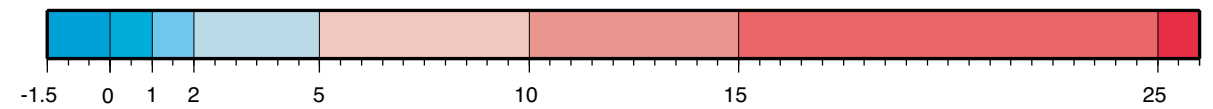
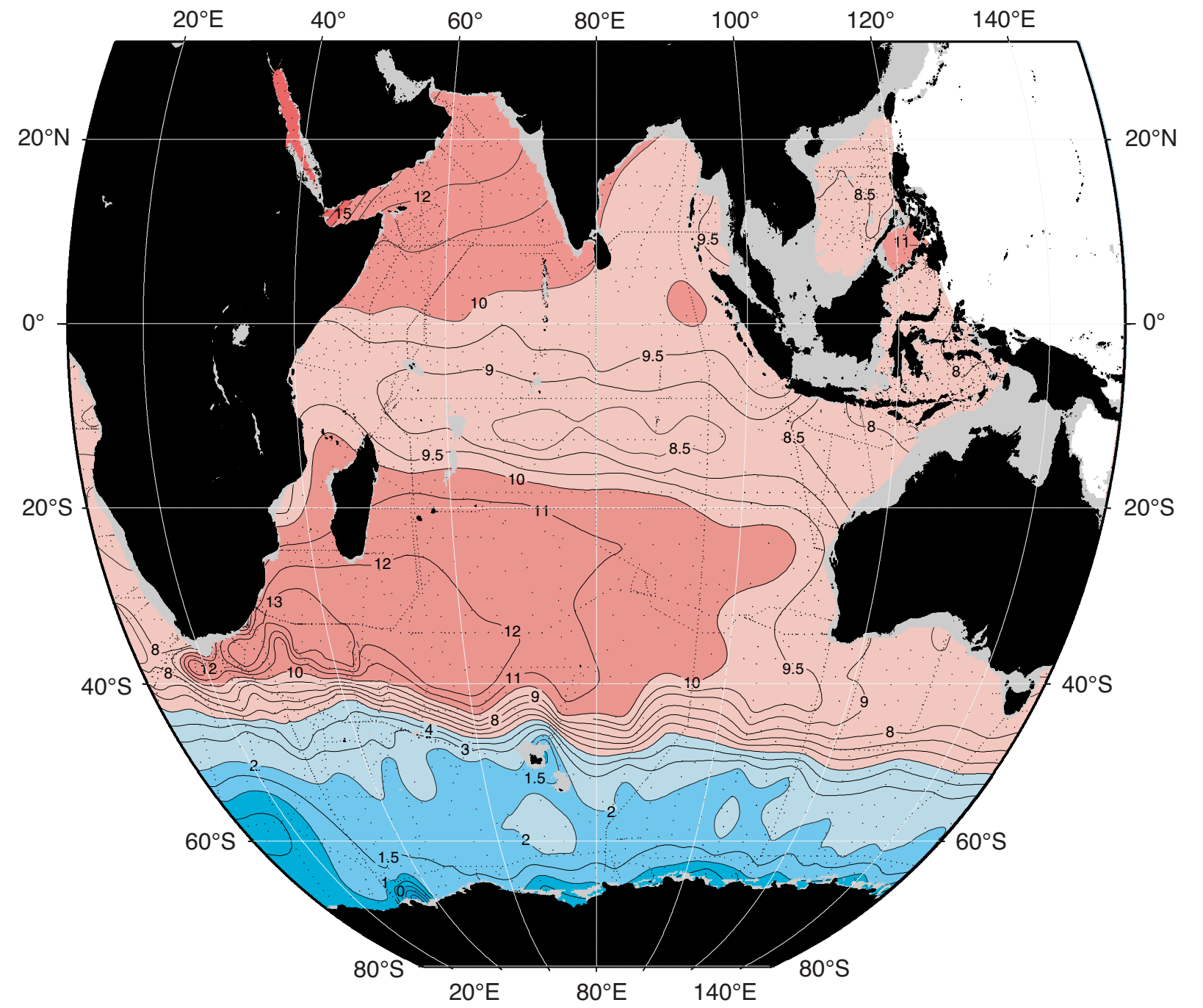


# 500 m Depth

## Neutral Density ( $\text{kg/m}^3$ )

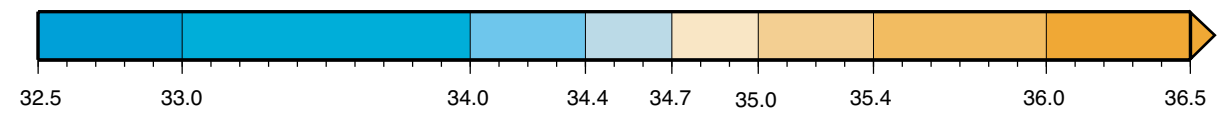
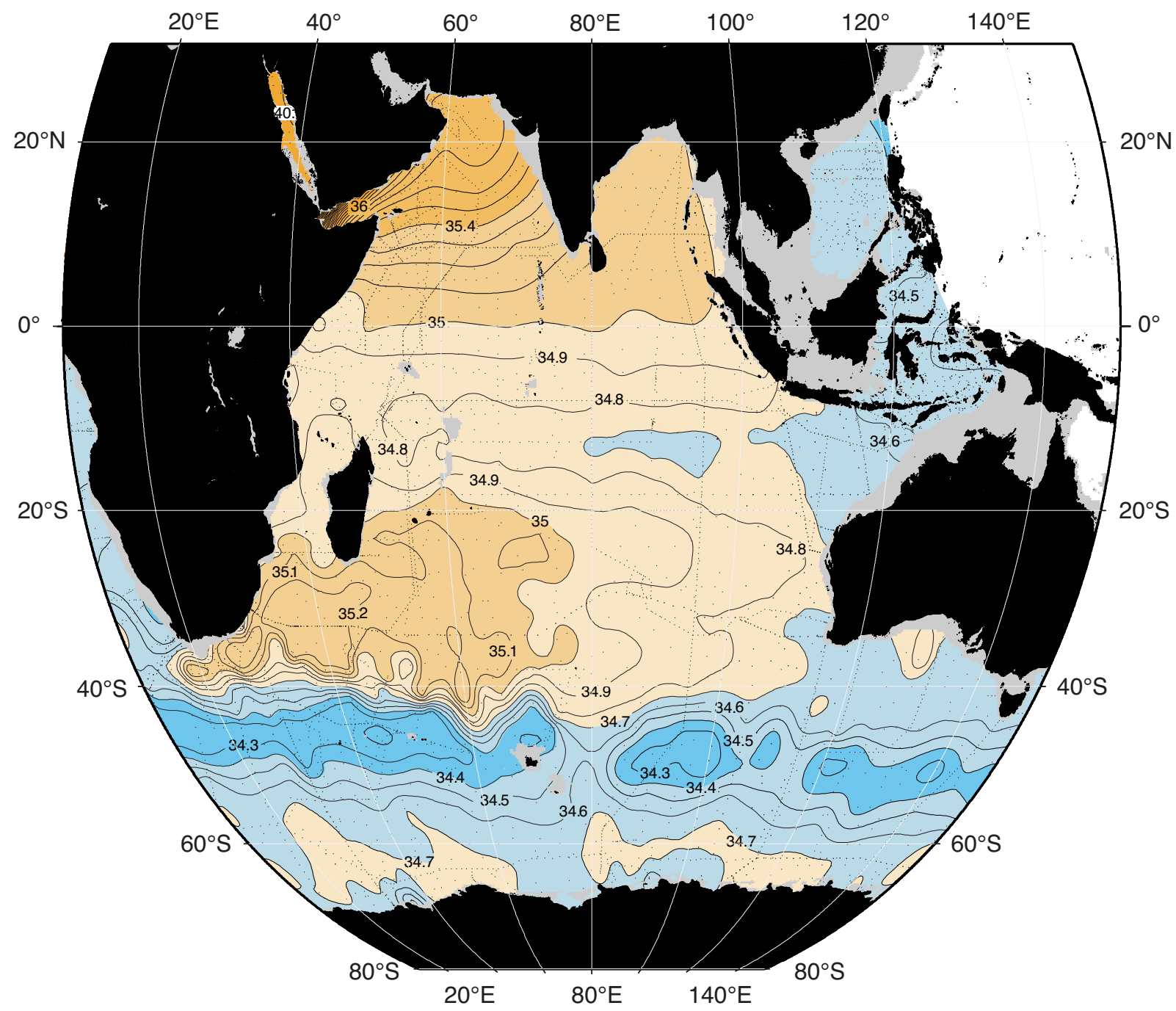


## Potential Temperature ( $^{\circ}\text{C}$ )

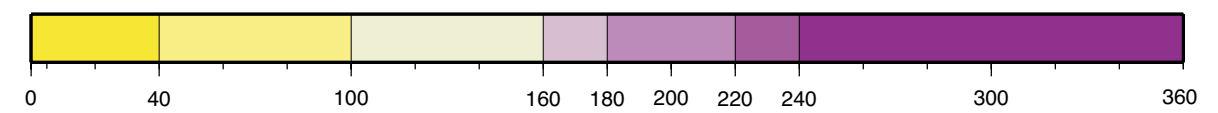
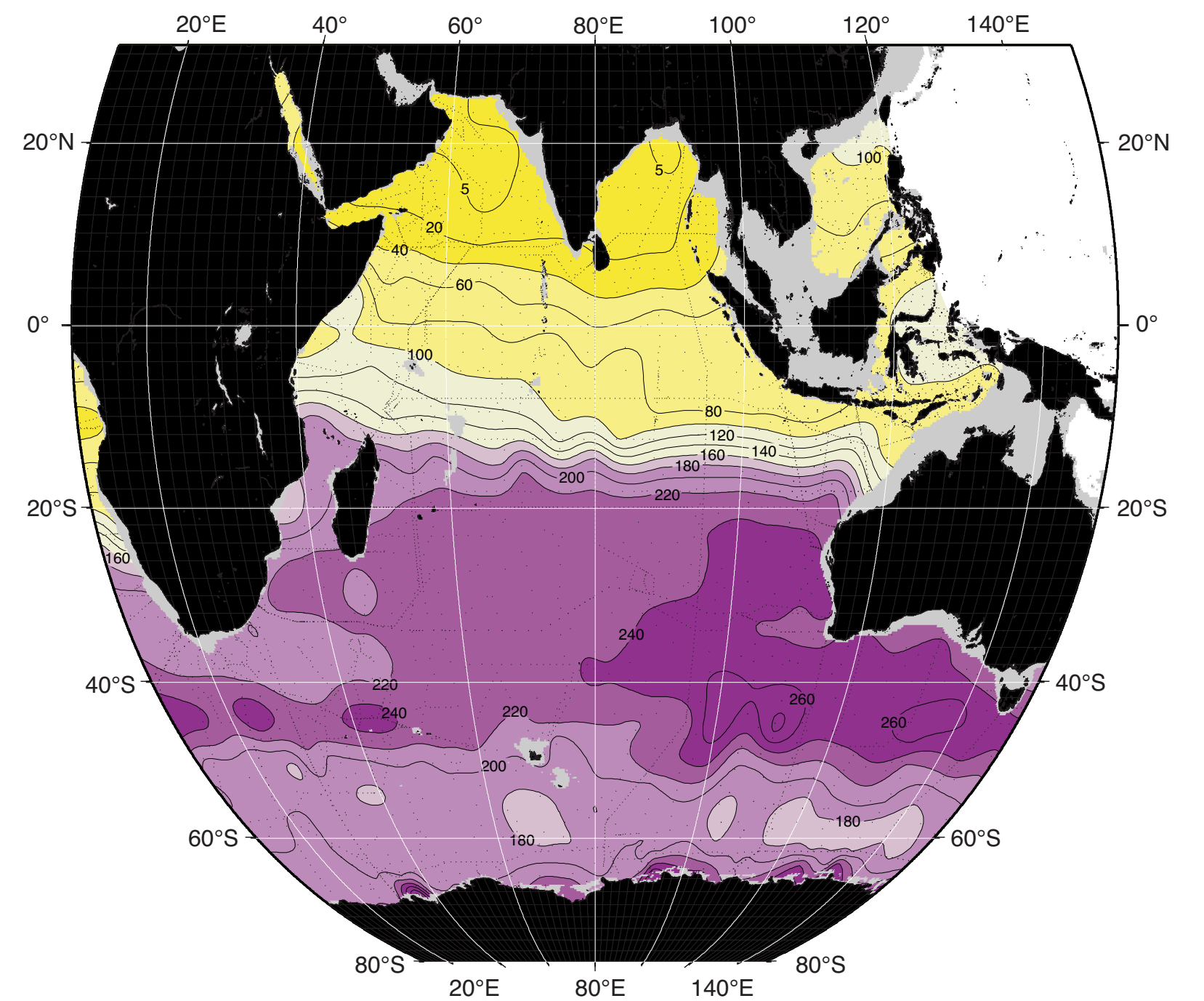


# 500 m Depth

## Salinity (PSS78)



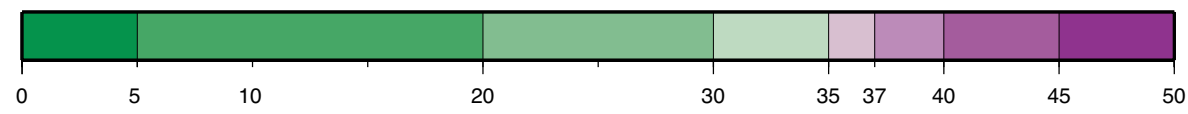
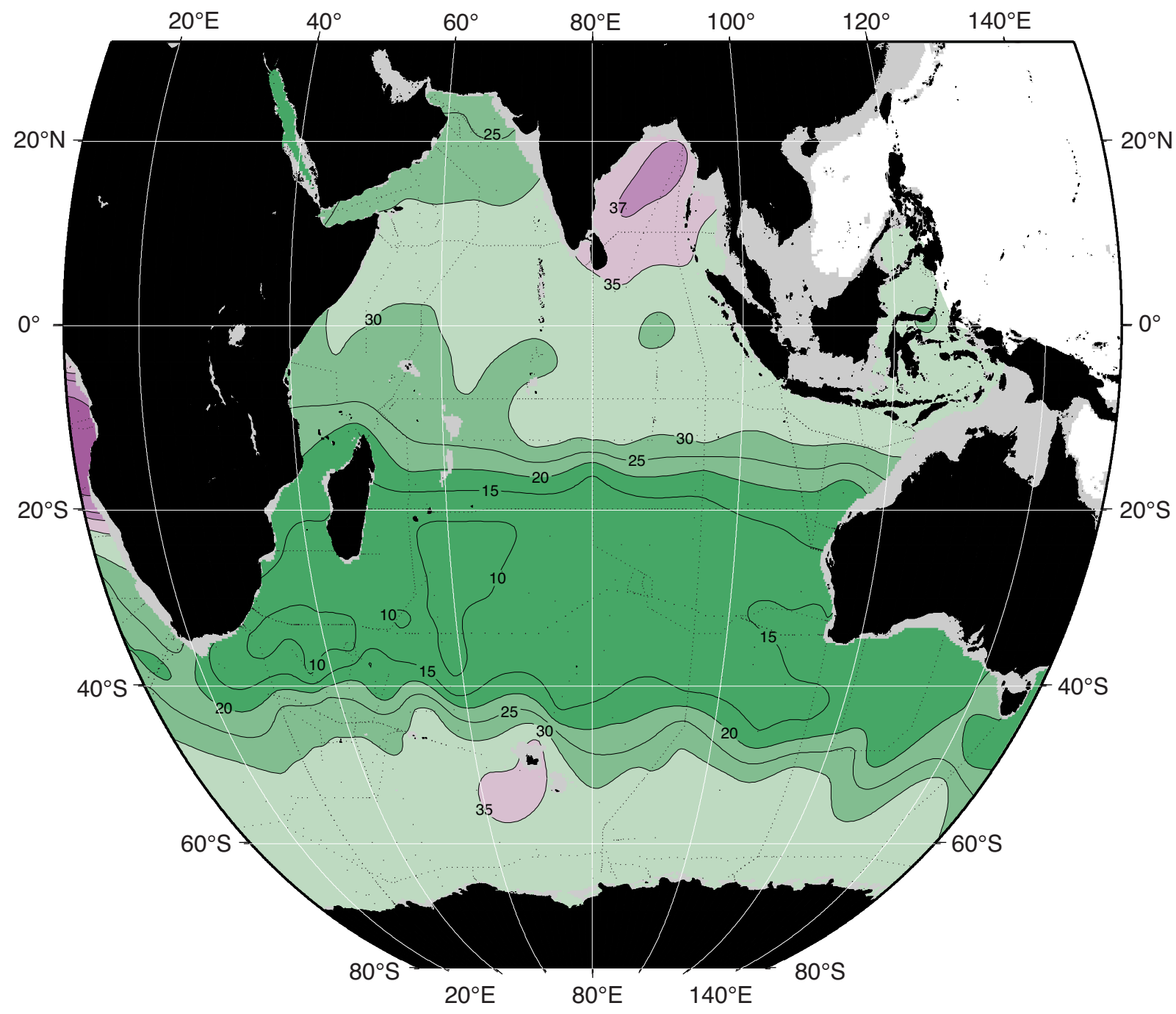
## Oxygen ( $\mu\text{mol/kg}$ )



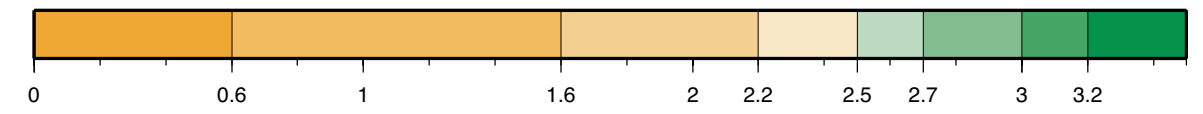
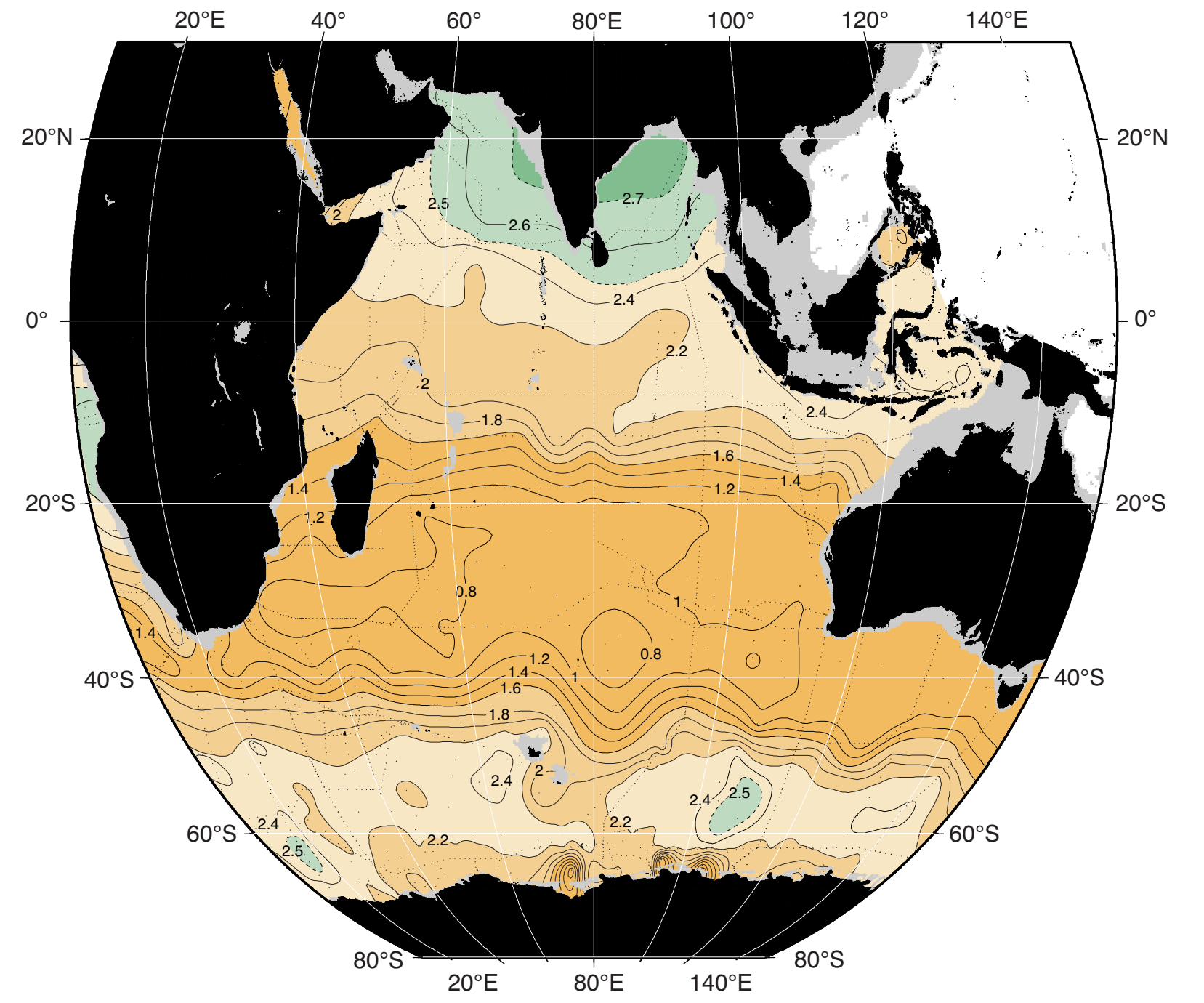


# 500 m Depth

## Nitrate ( $\mu\text{mol/kg}$ )

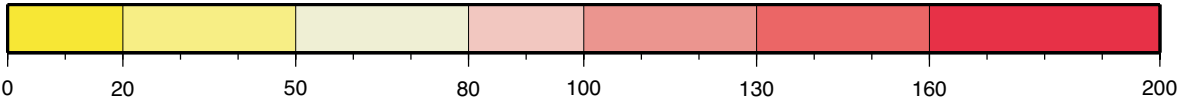
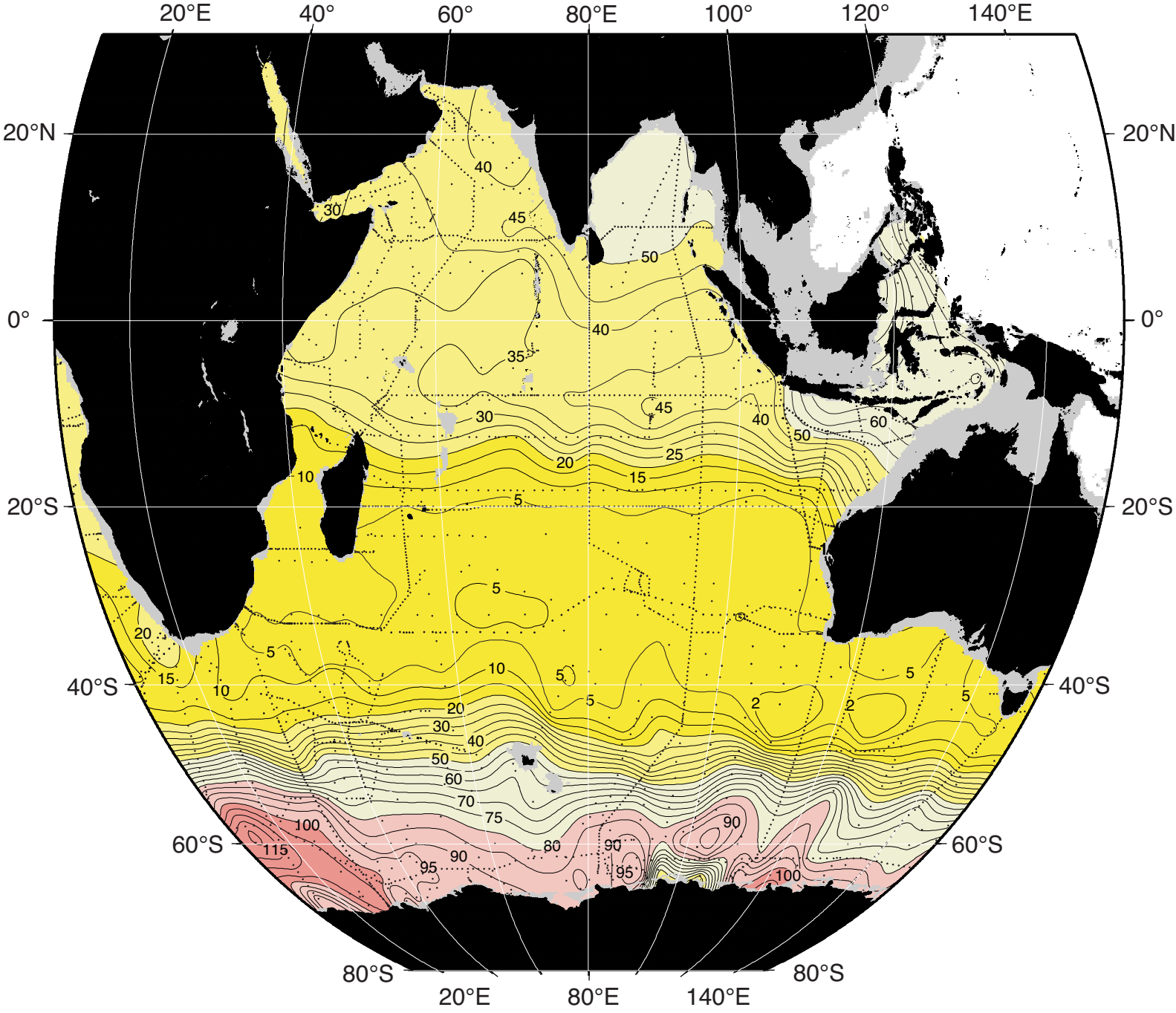


## Phosphate ( $\mu\text{mol/kg}$ )

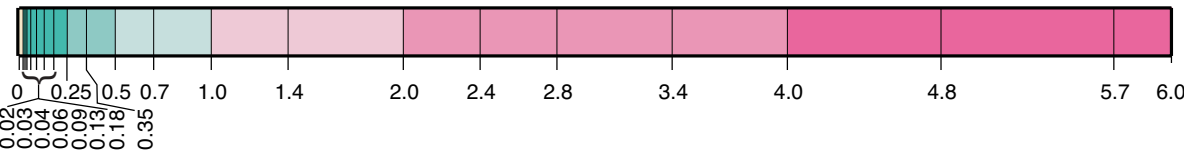
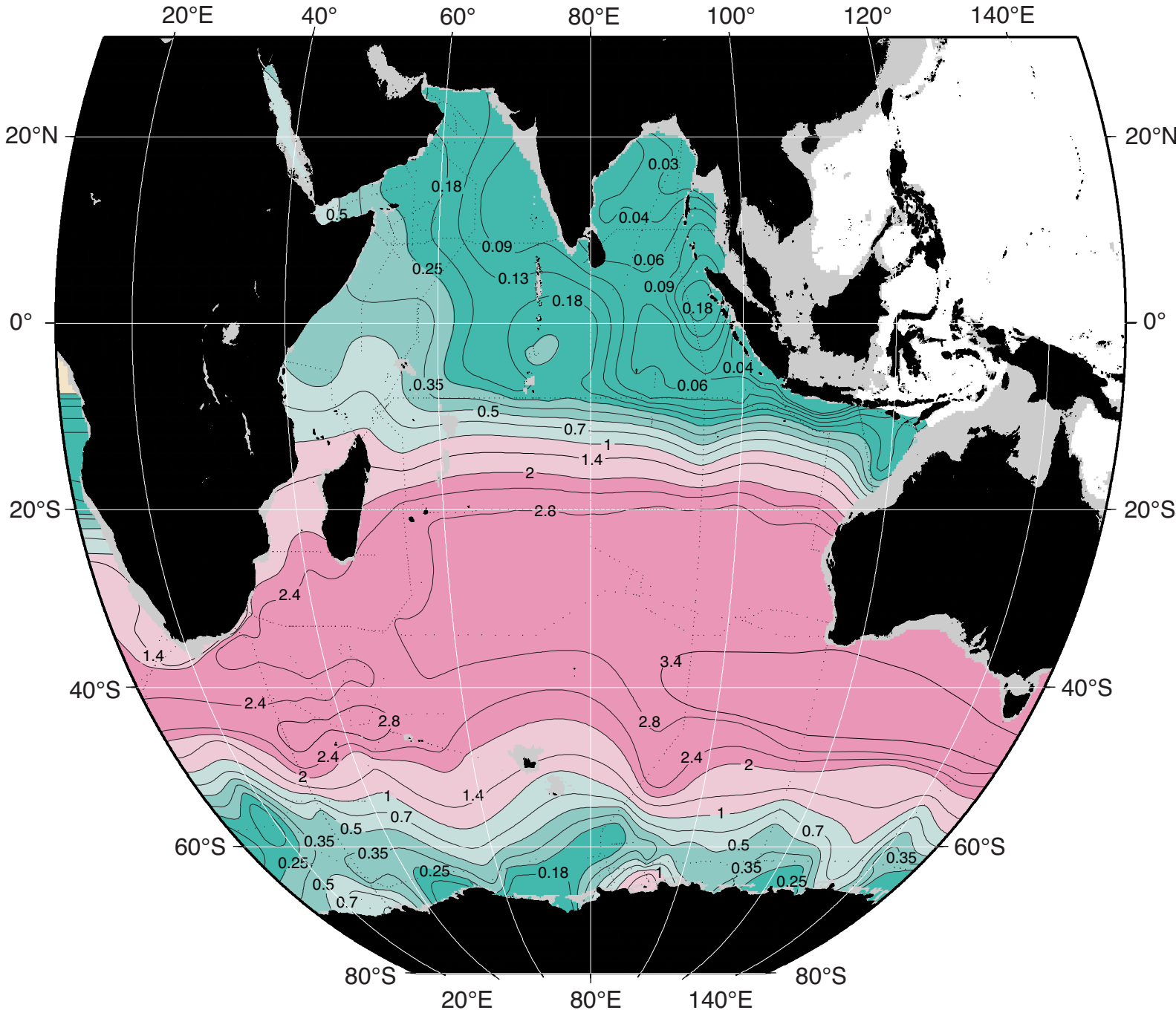


# 500 m Depth

## Dissolved Silica ( $\mu\text{mol/kg}$ )



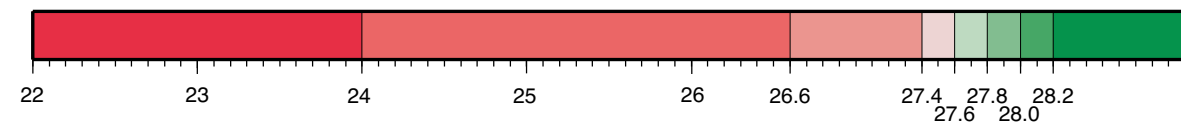
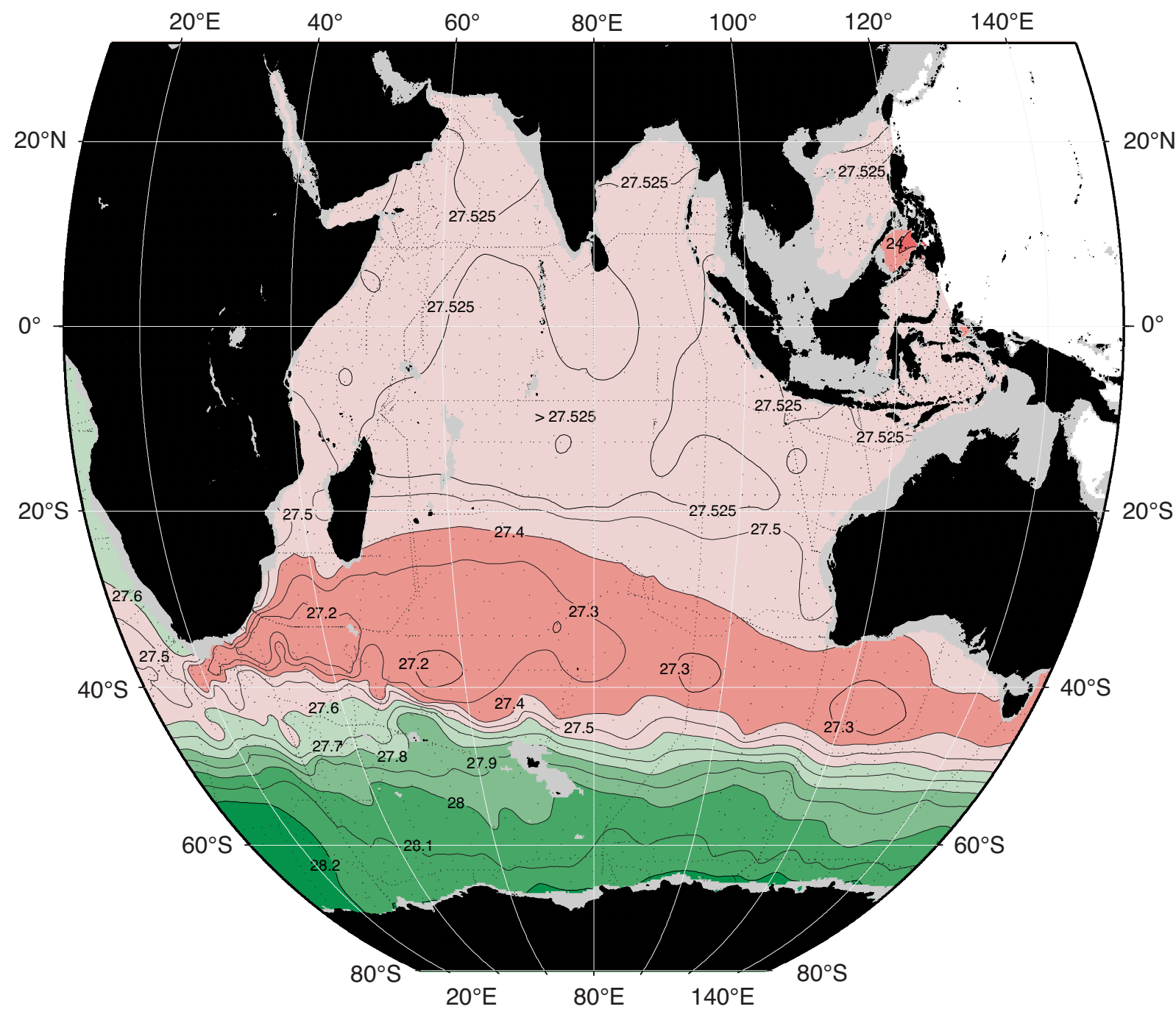
## CFC-11 ( $\text{pmol/kg}$ )



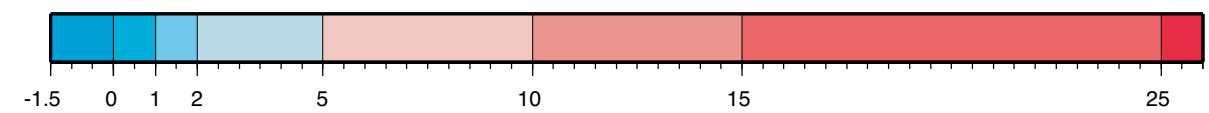
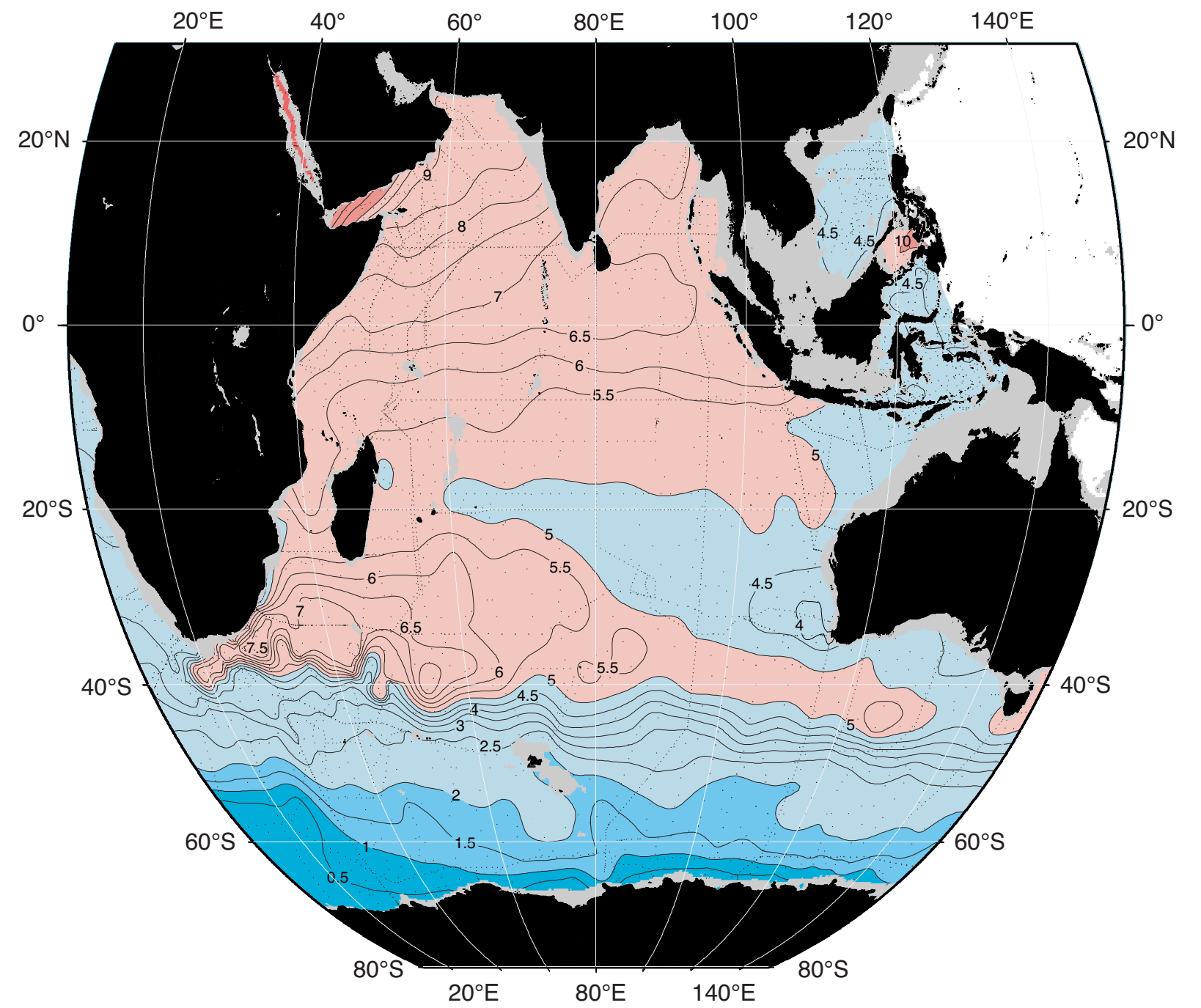


# 1000 m Depth

## Neutral Density ( $\text{kg/m}^3$ )

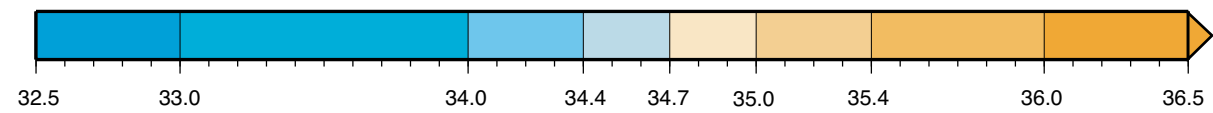
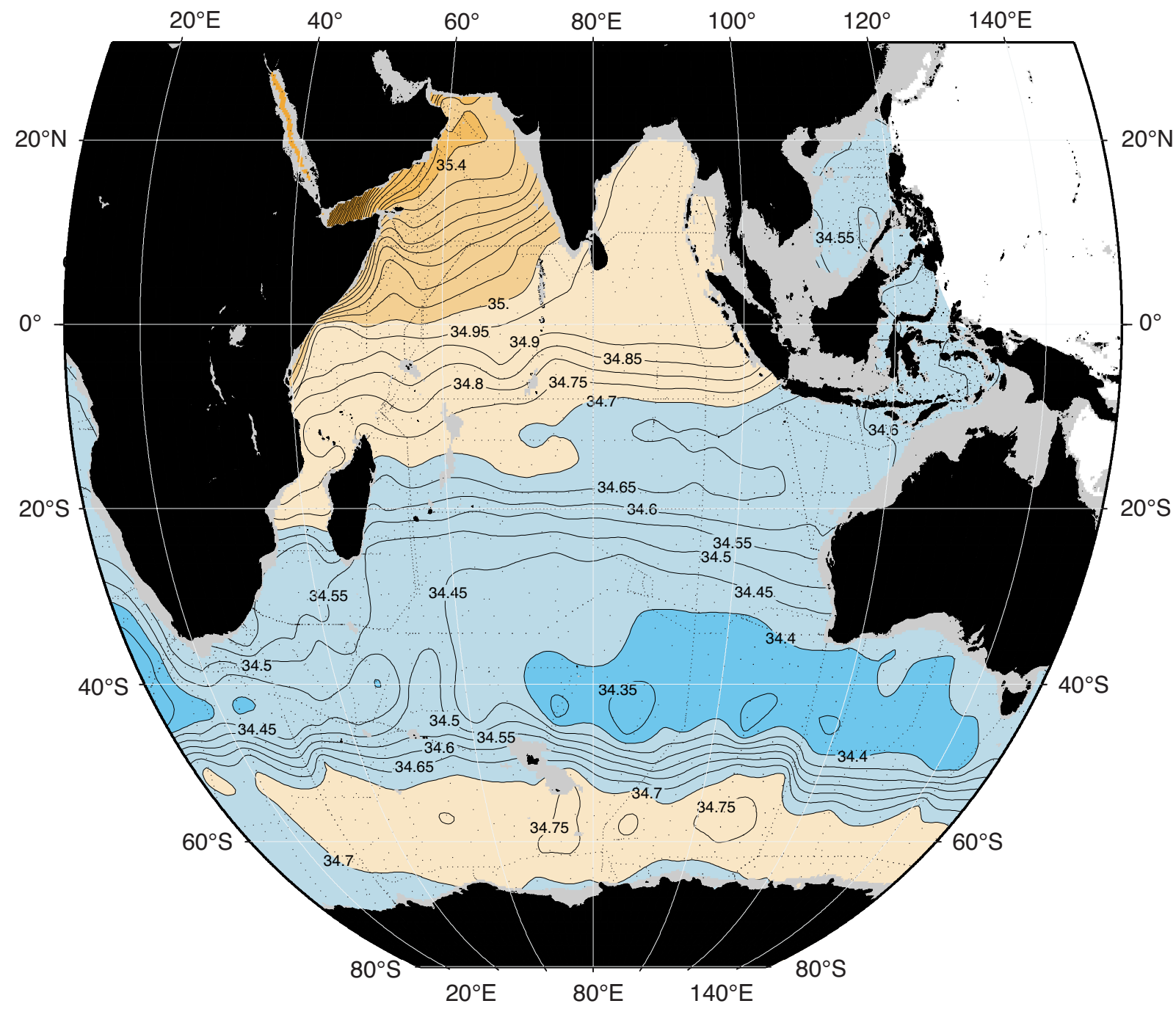


## Potential Temperature ( $^{\circ}\text{C}$ )

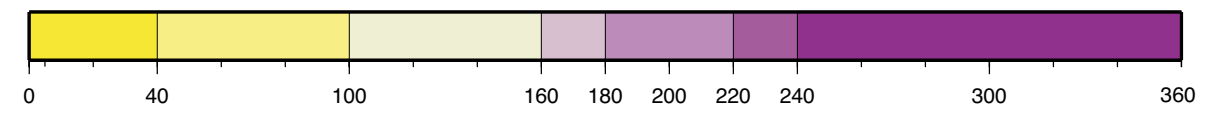
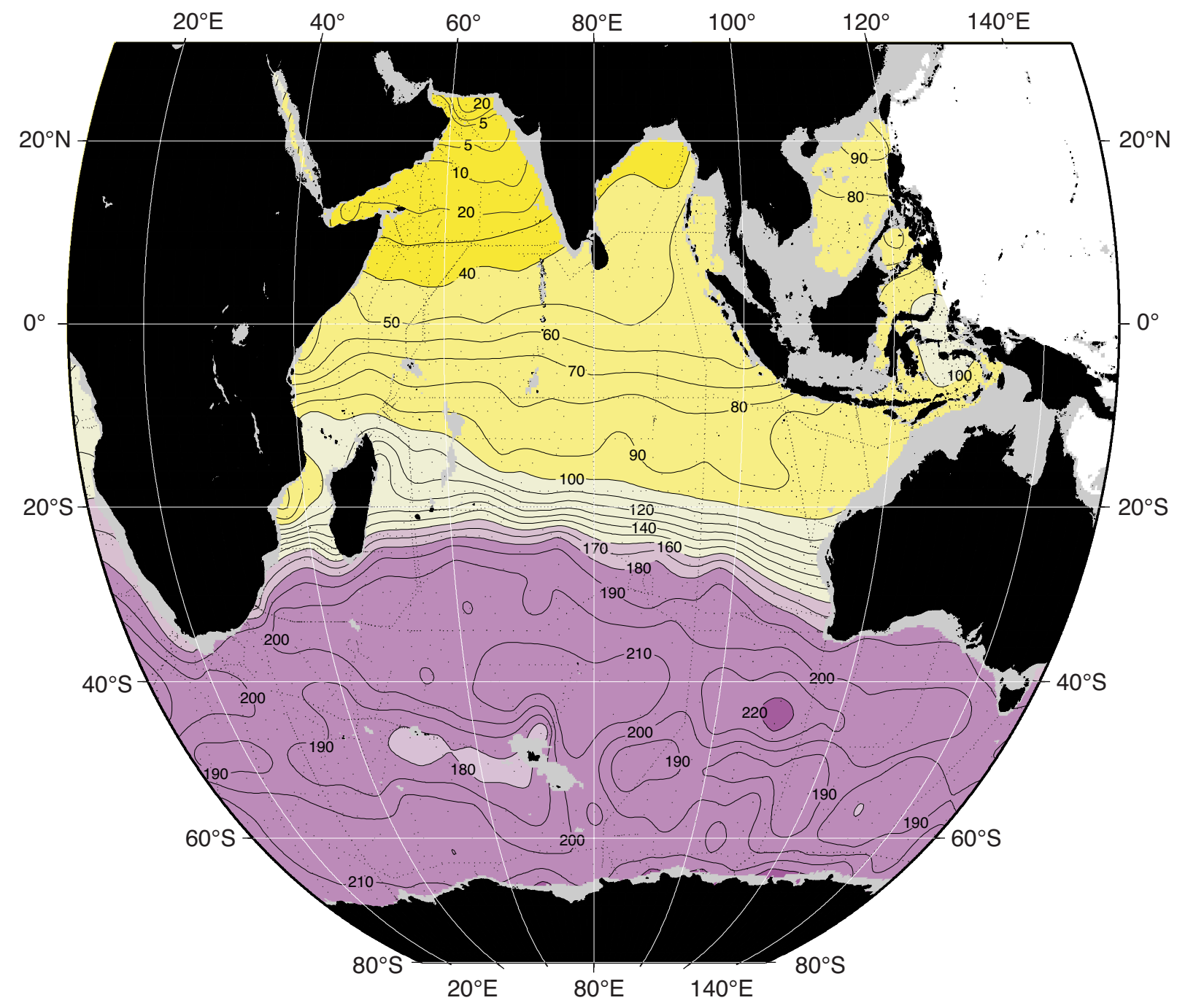


# 1000 m Depth

## Salinity (PSS78)

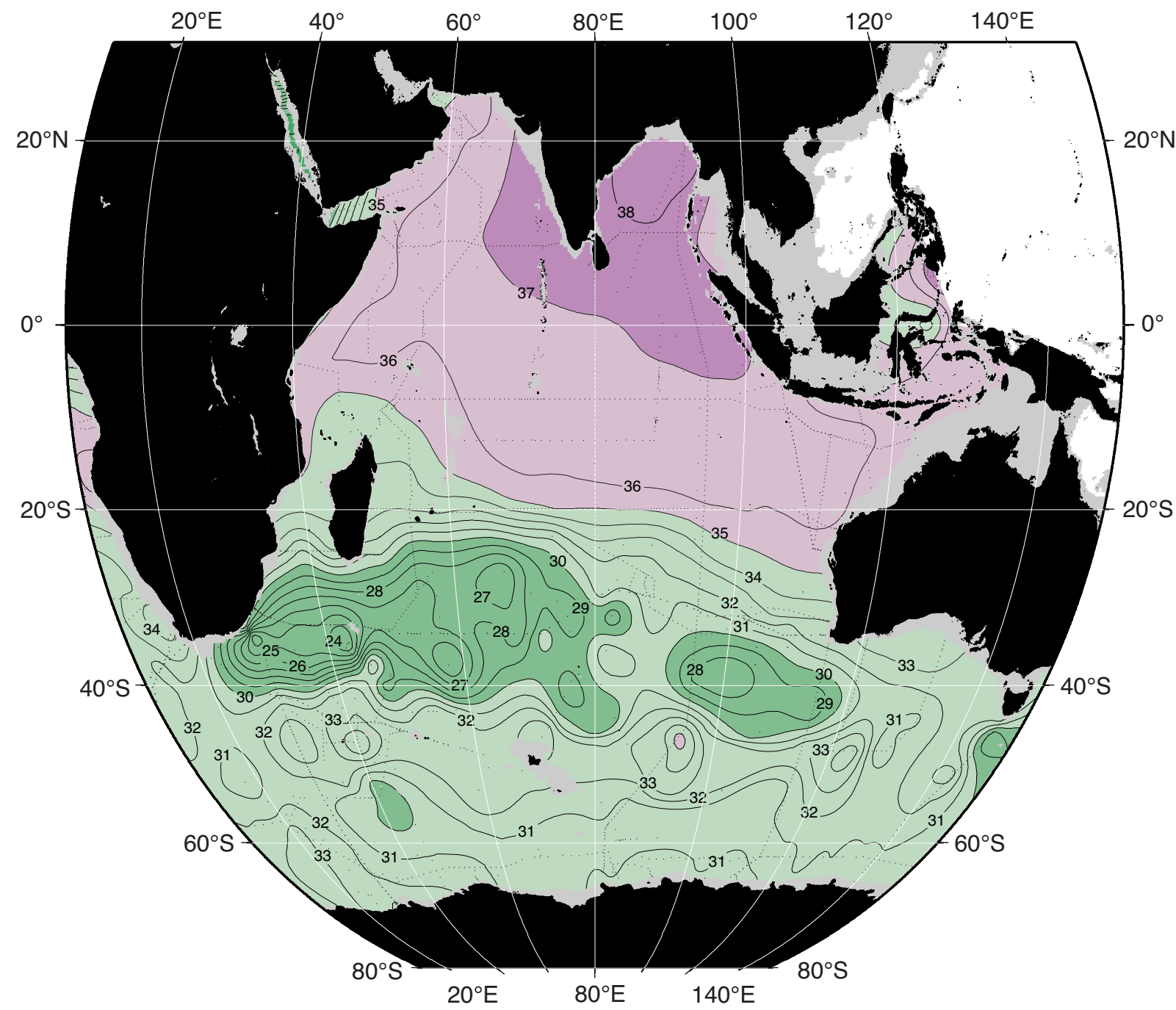


## Oxygen ( $\mu\text{mol/kg}$ )

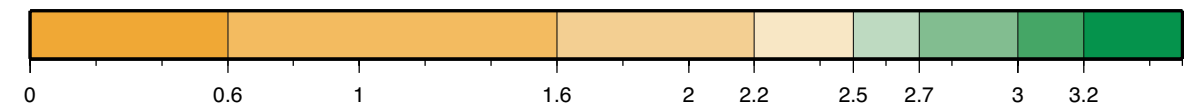
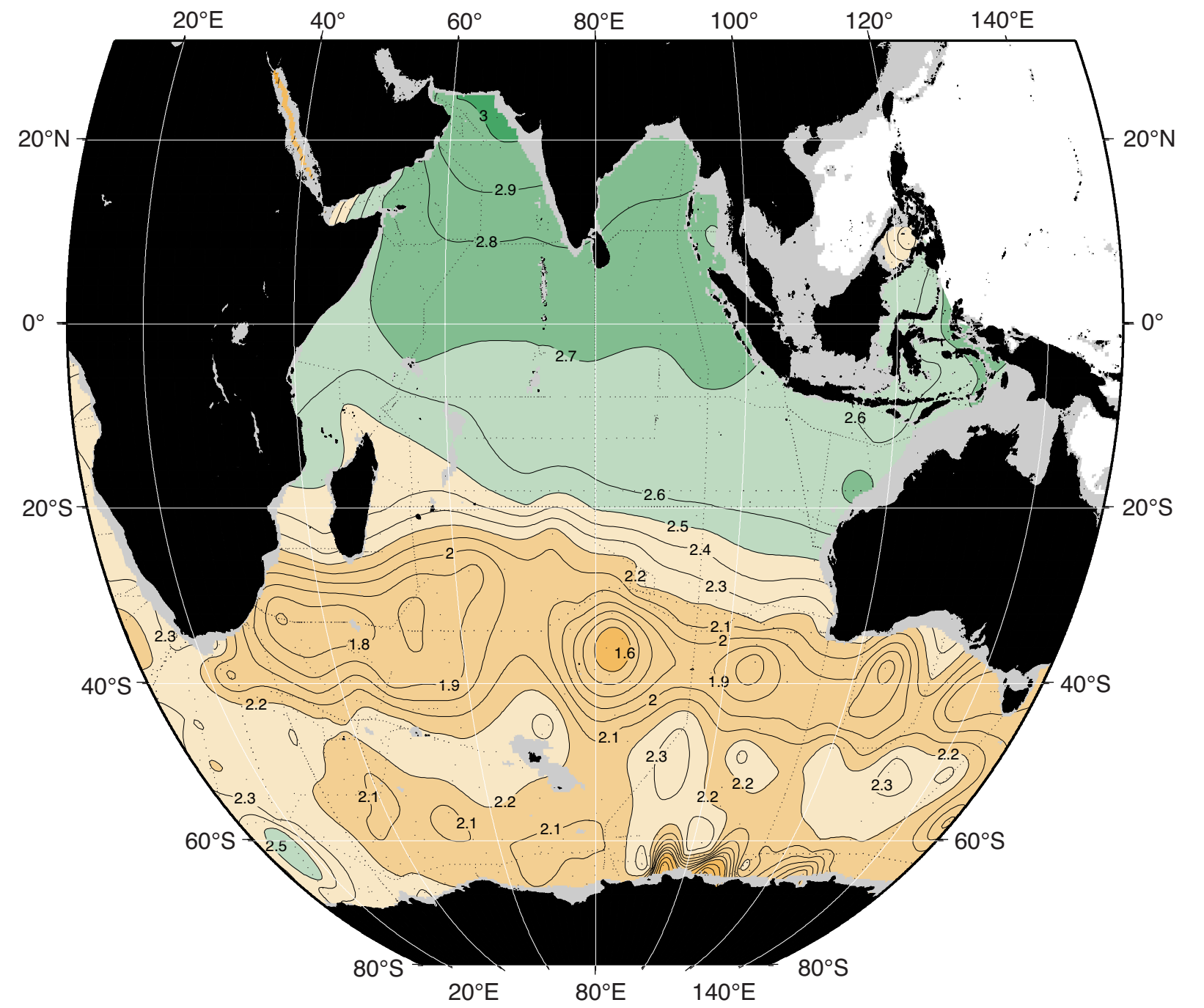


# 1000 m Depth

## Nitrate ( $\mu\text{mol/kg}$ )



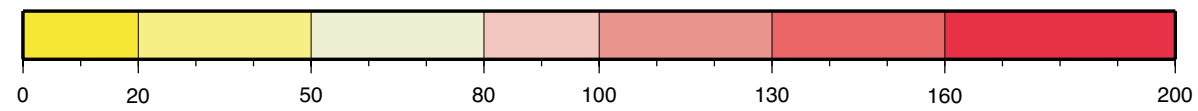
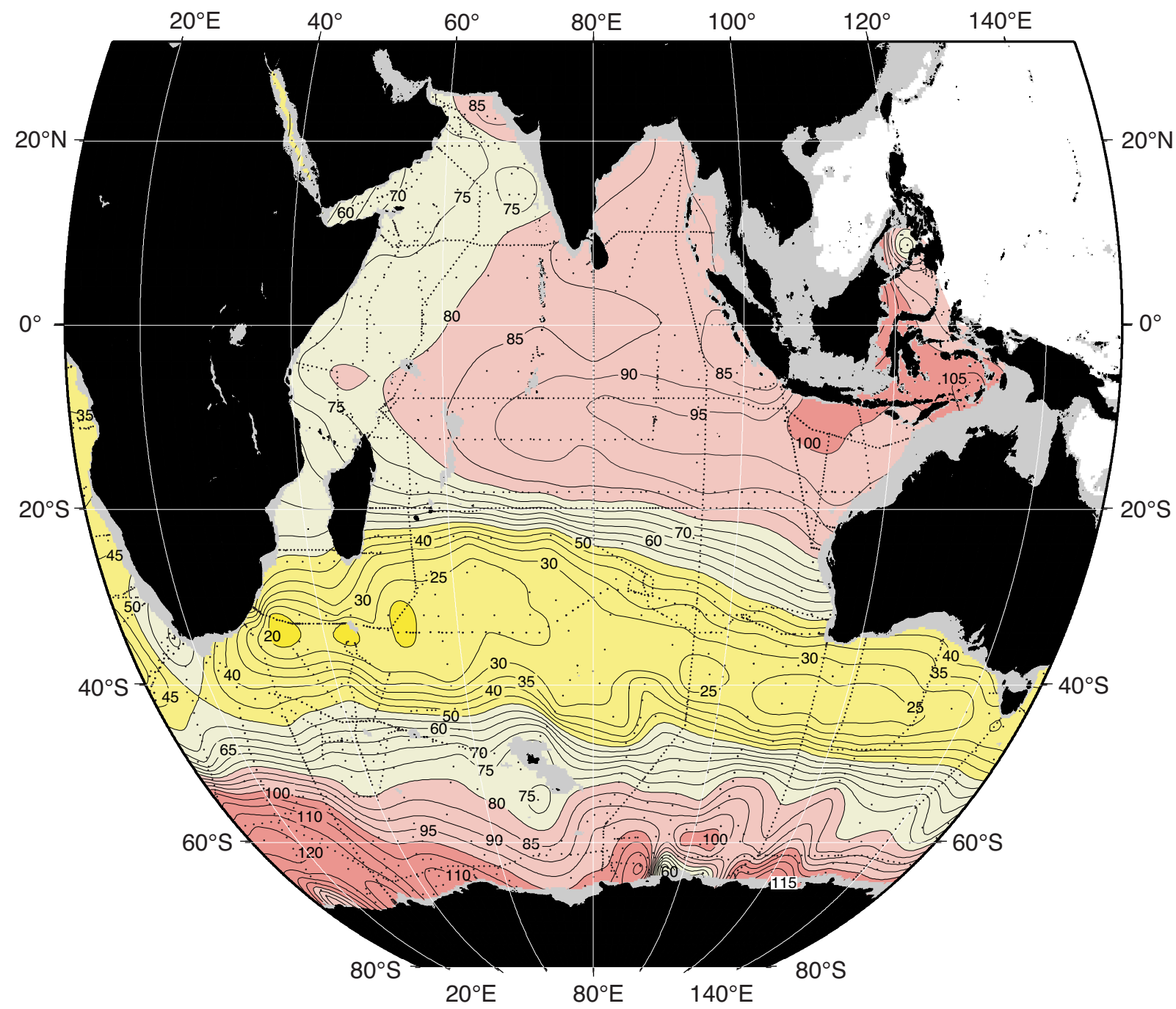
## Phosphate ( $\mu\text{mol/kg}$ )



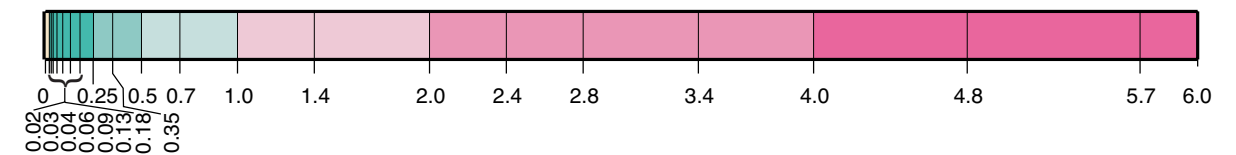
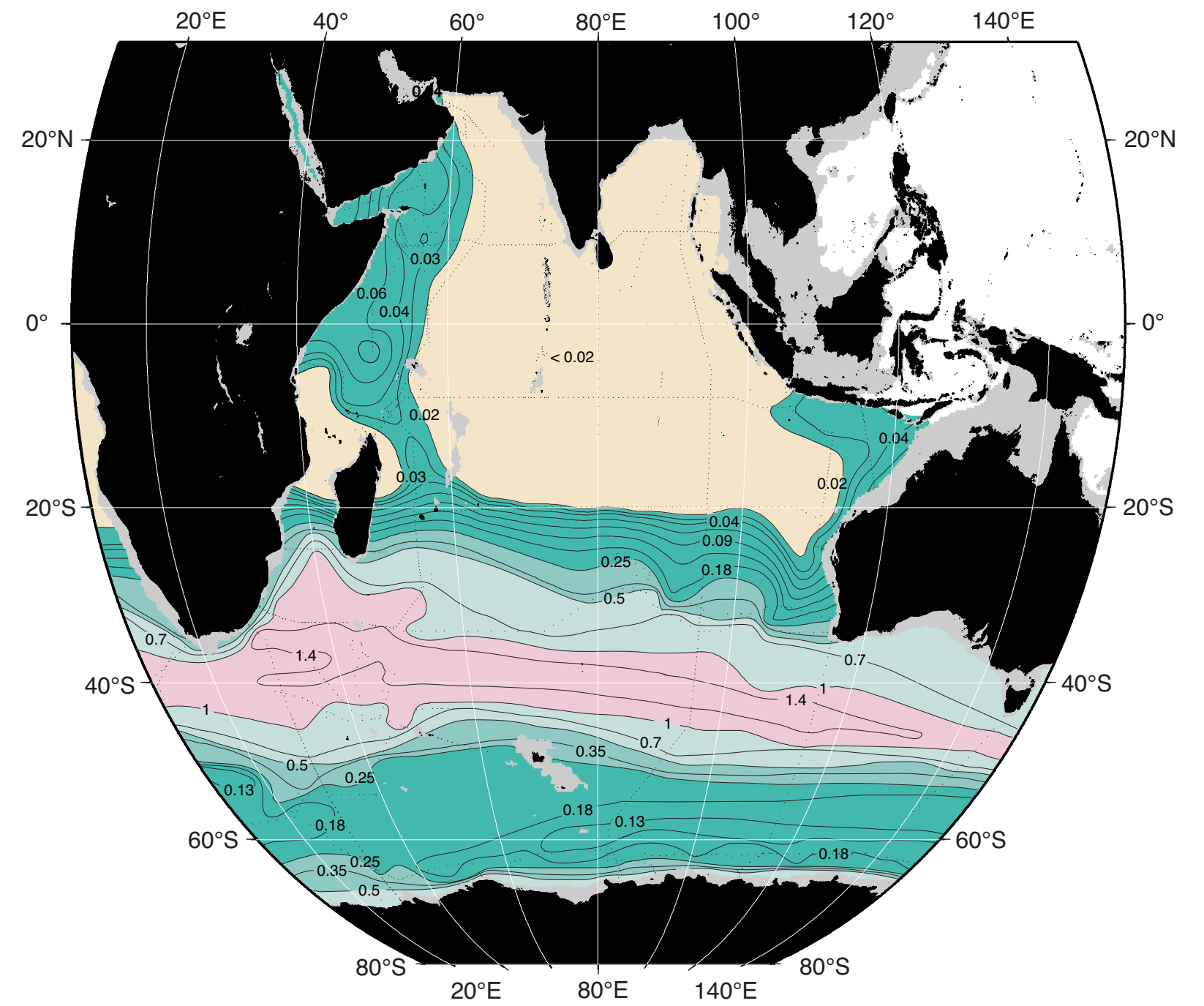


# 1000 m Depth

## Dissolved Silica ( $\mu\text{mol/kg}$ )

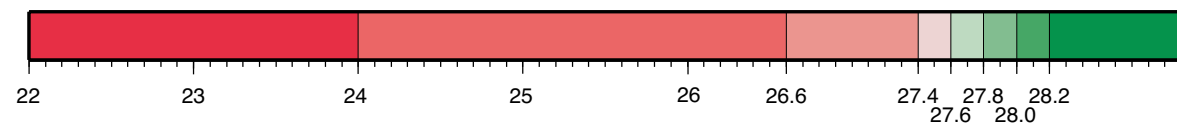
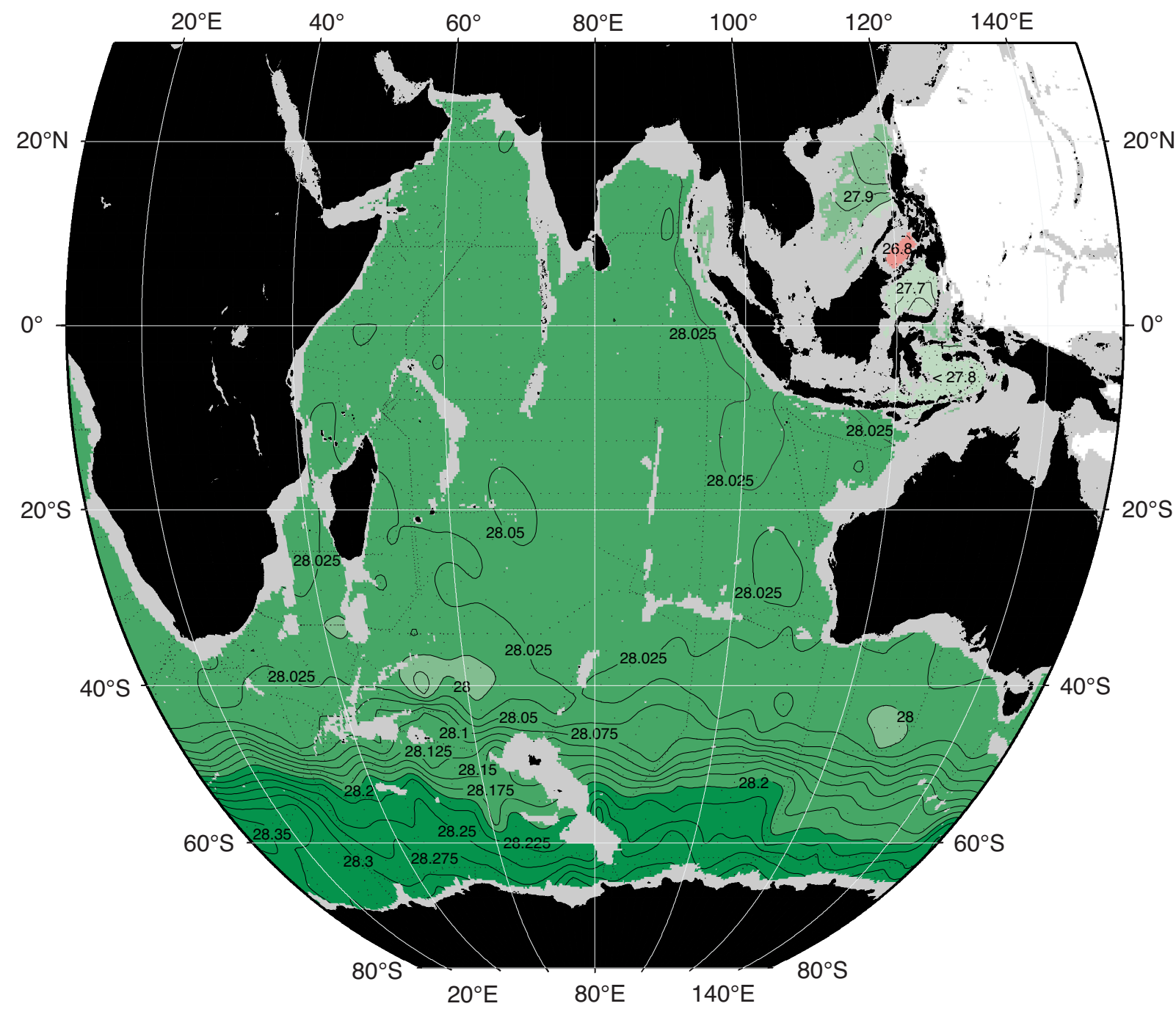


## CFC-11 ( $\text{pmol/kg}$ )

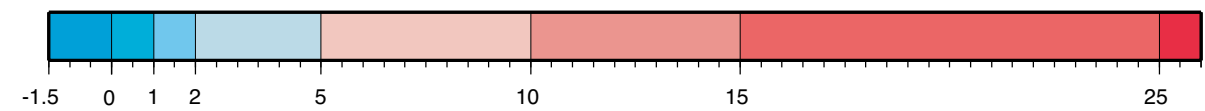
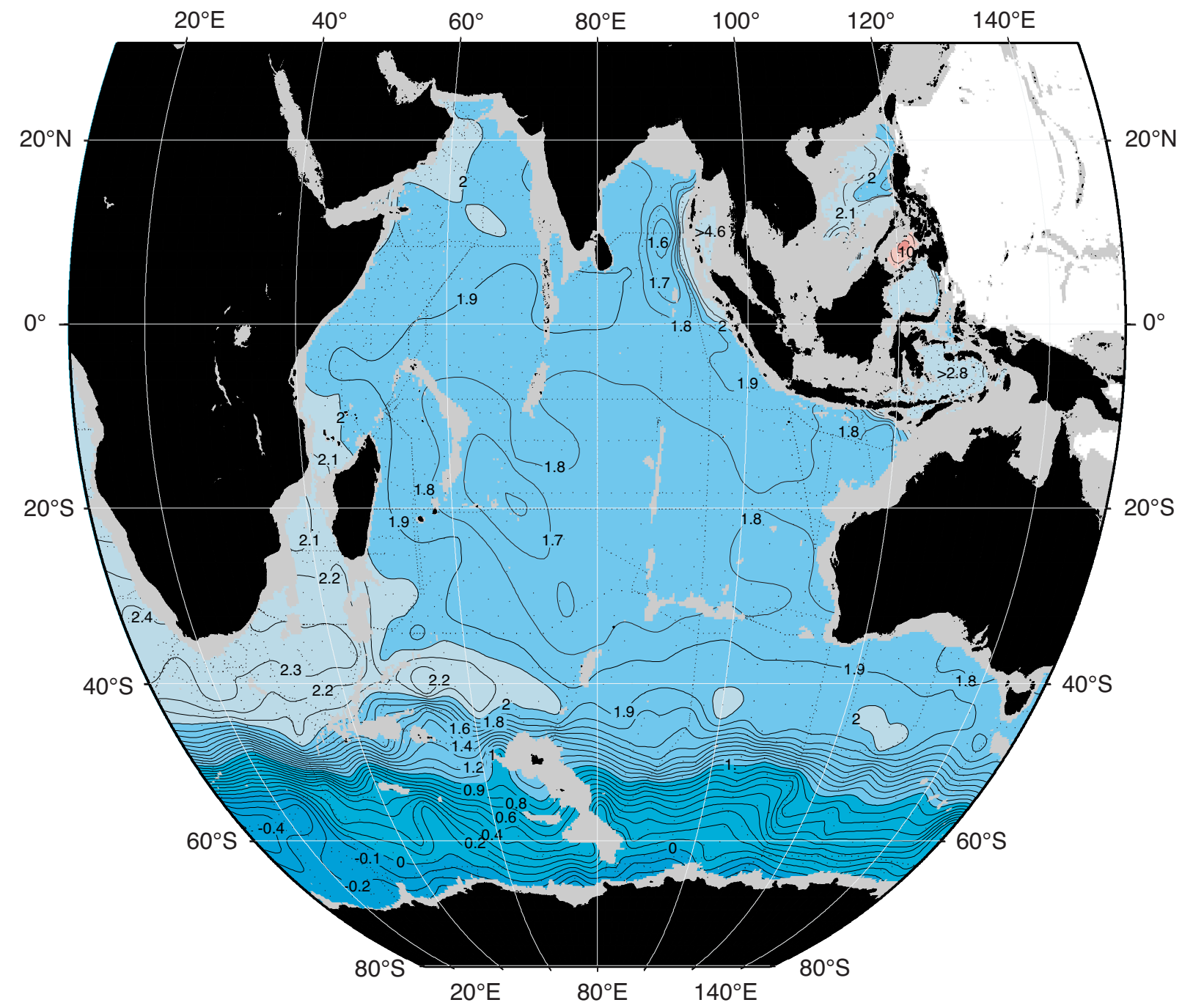


# 2500 m Depth

## Neutral Density ( $\text{kg/m}^3$ )



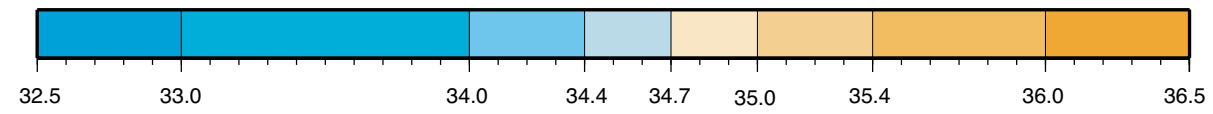
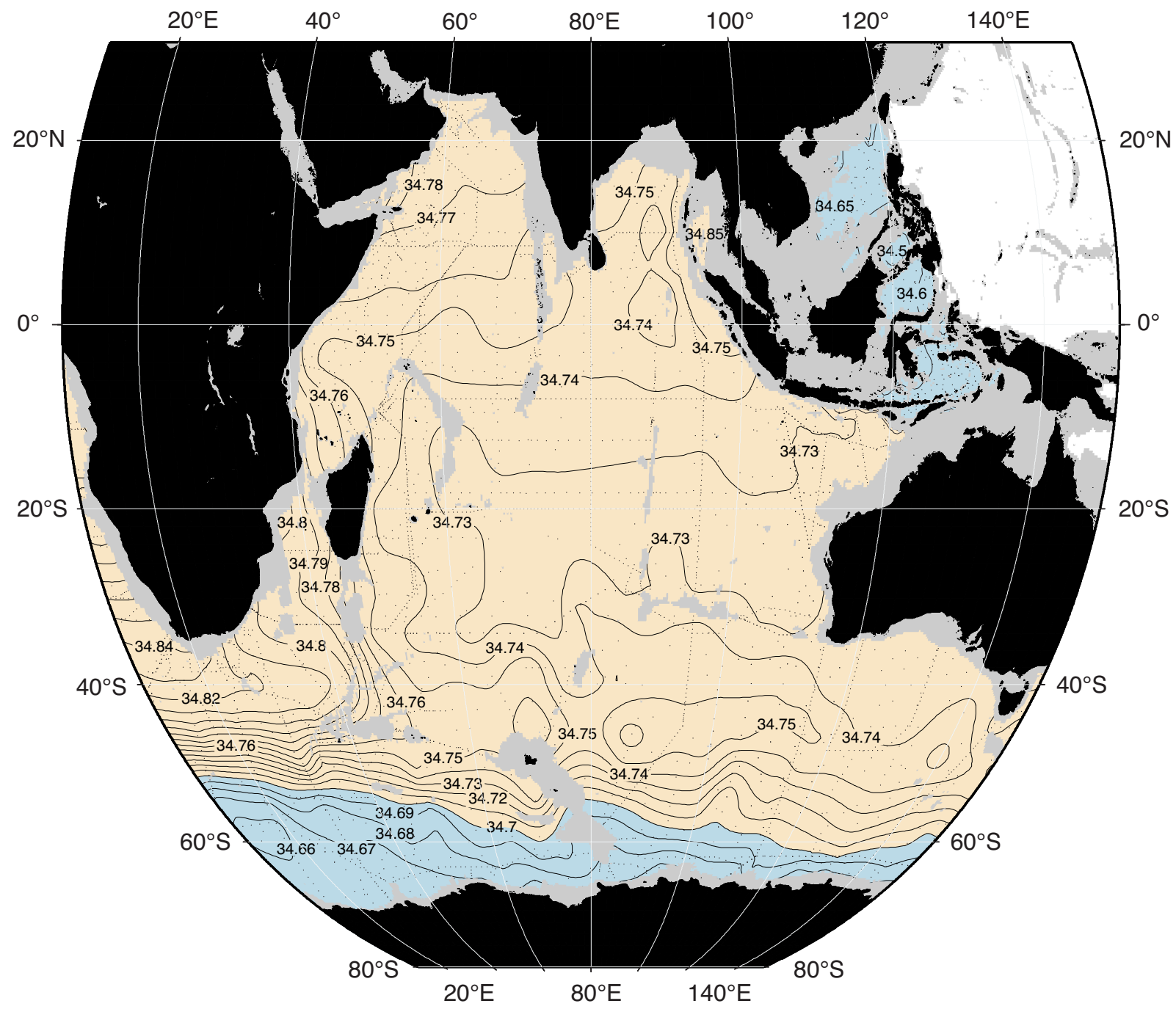
## Potential Temperature ( $^{\circ}\text{C}$ )



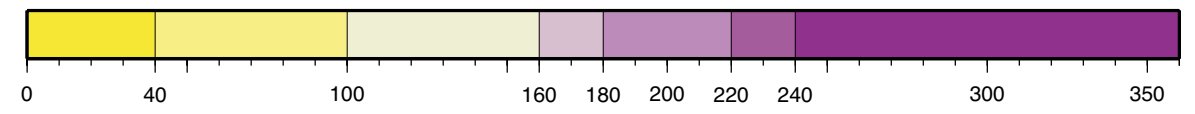
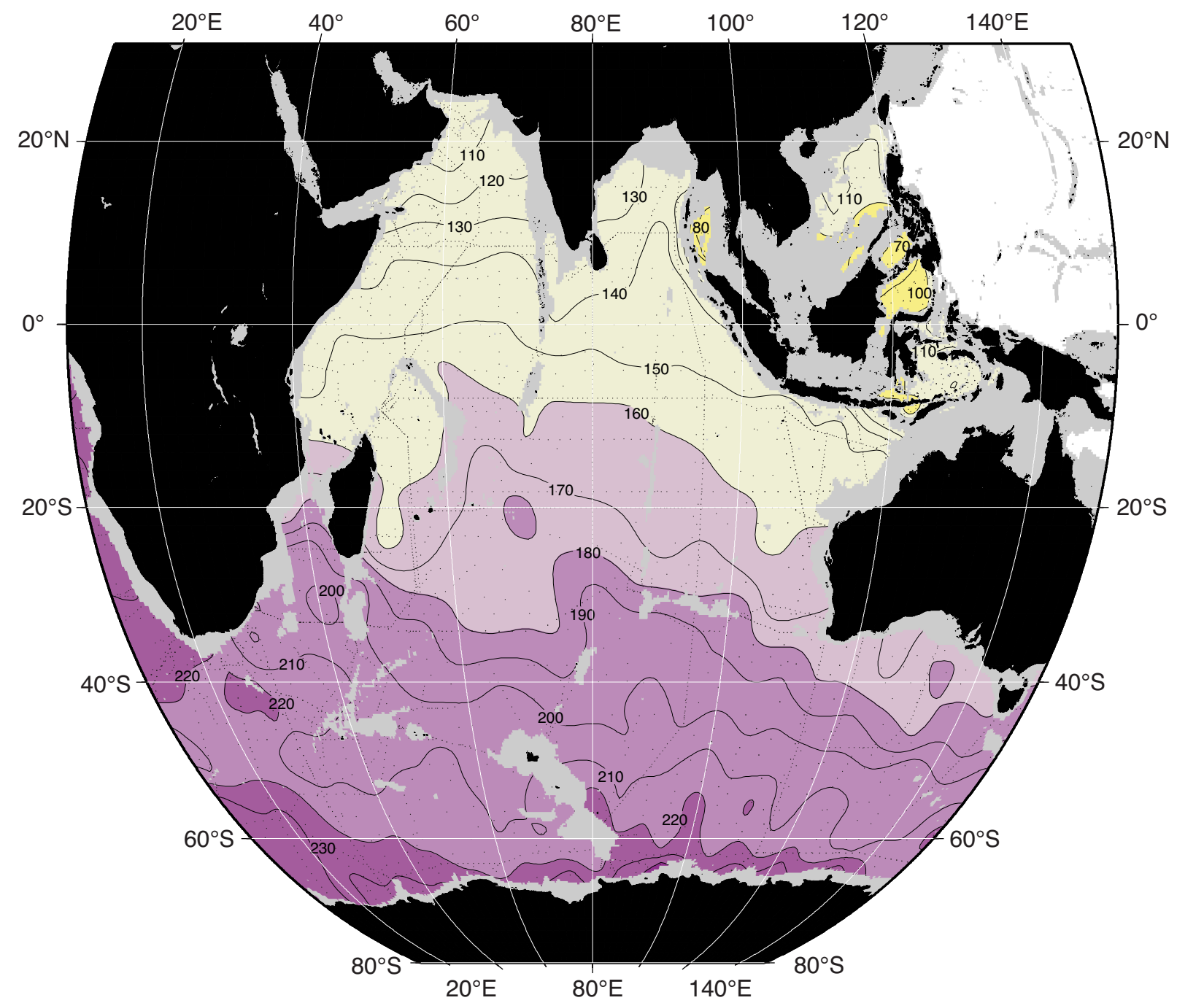


# 2500 m Depth

## Salinity (PSS78)

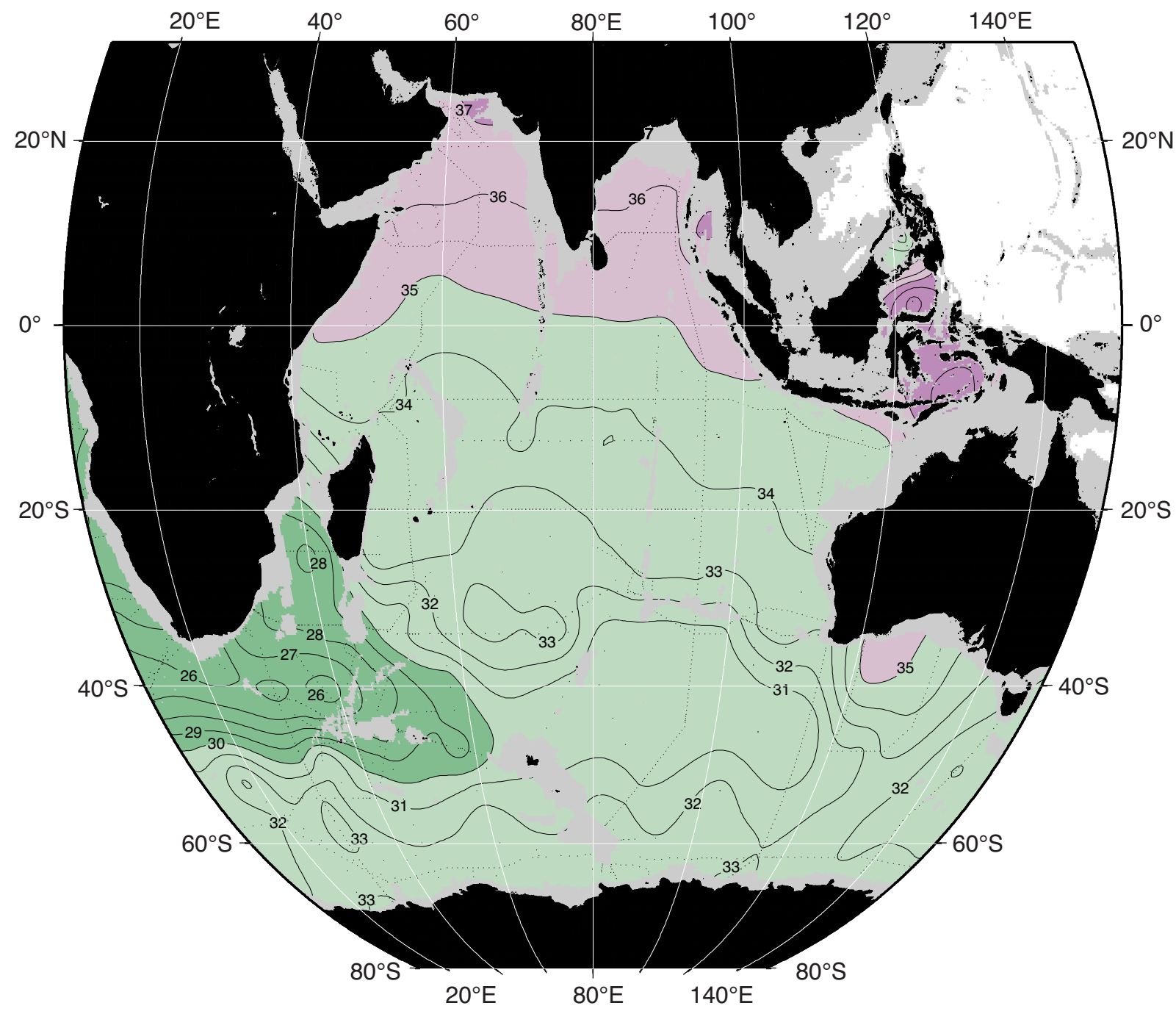


## Oxygen ( $\mu\text{mol/kg}$ )

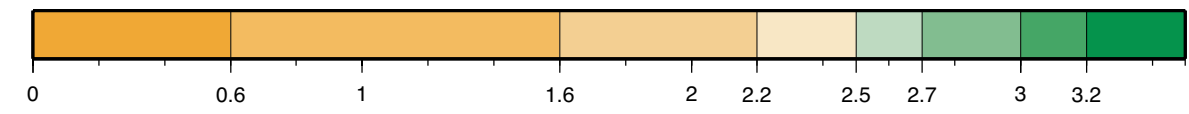
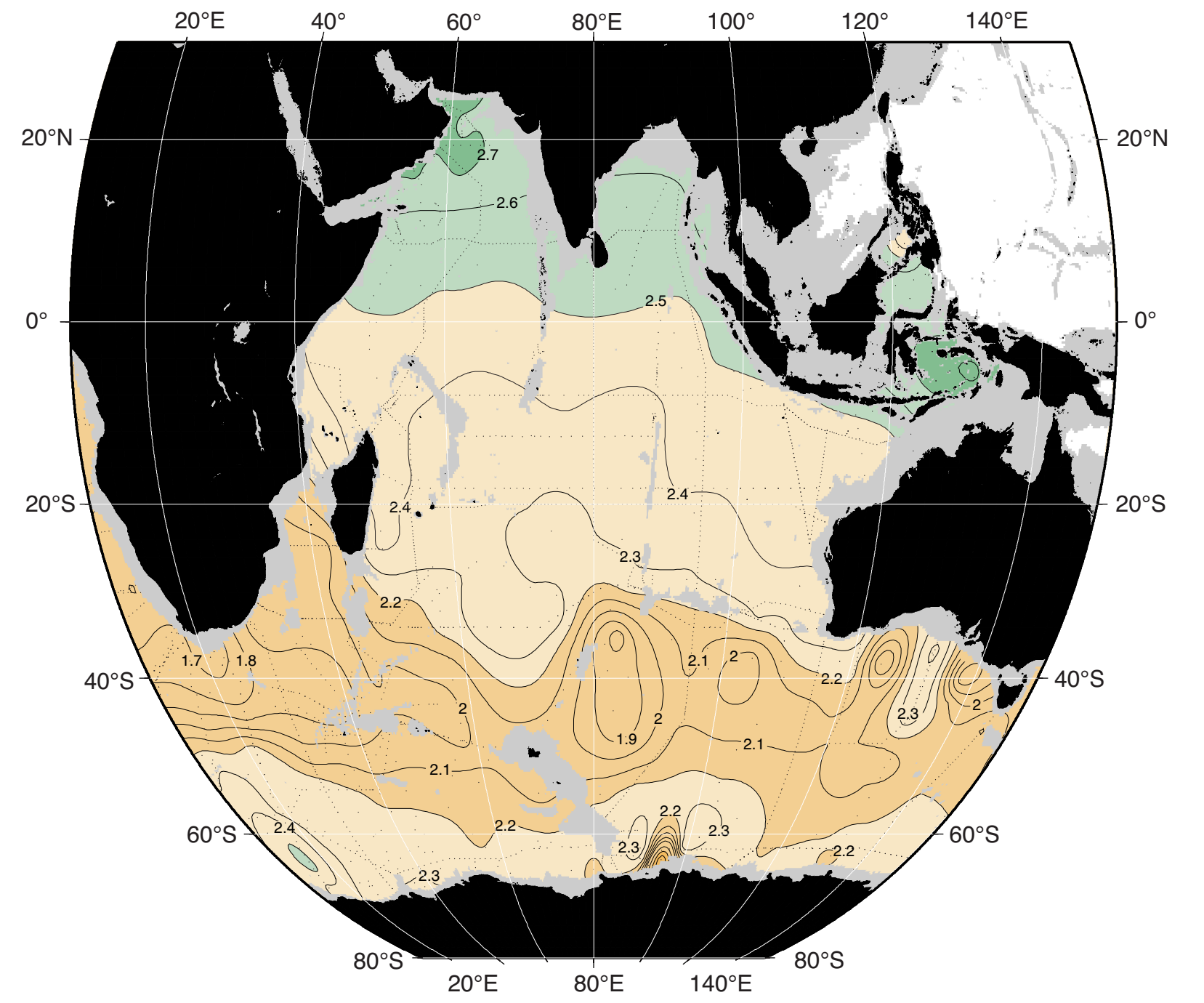


# 2500 m Depth

## Nitrate ( $\mu\text{mol/kg}$ )

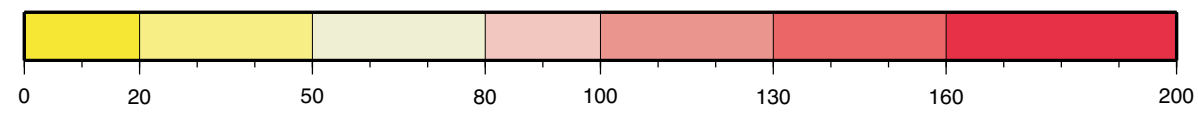
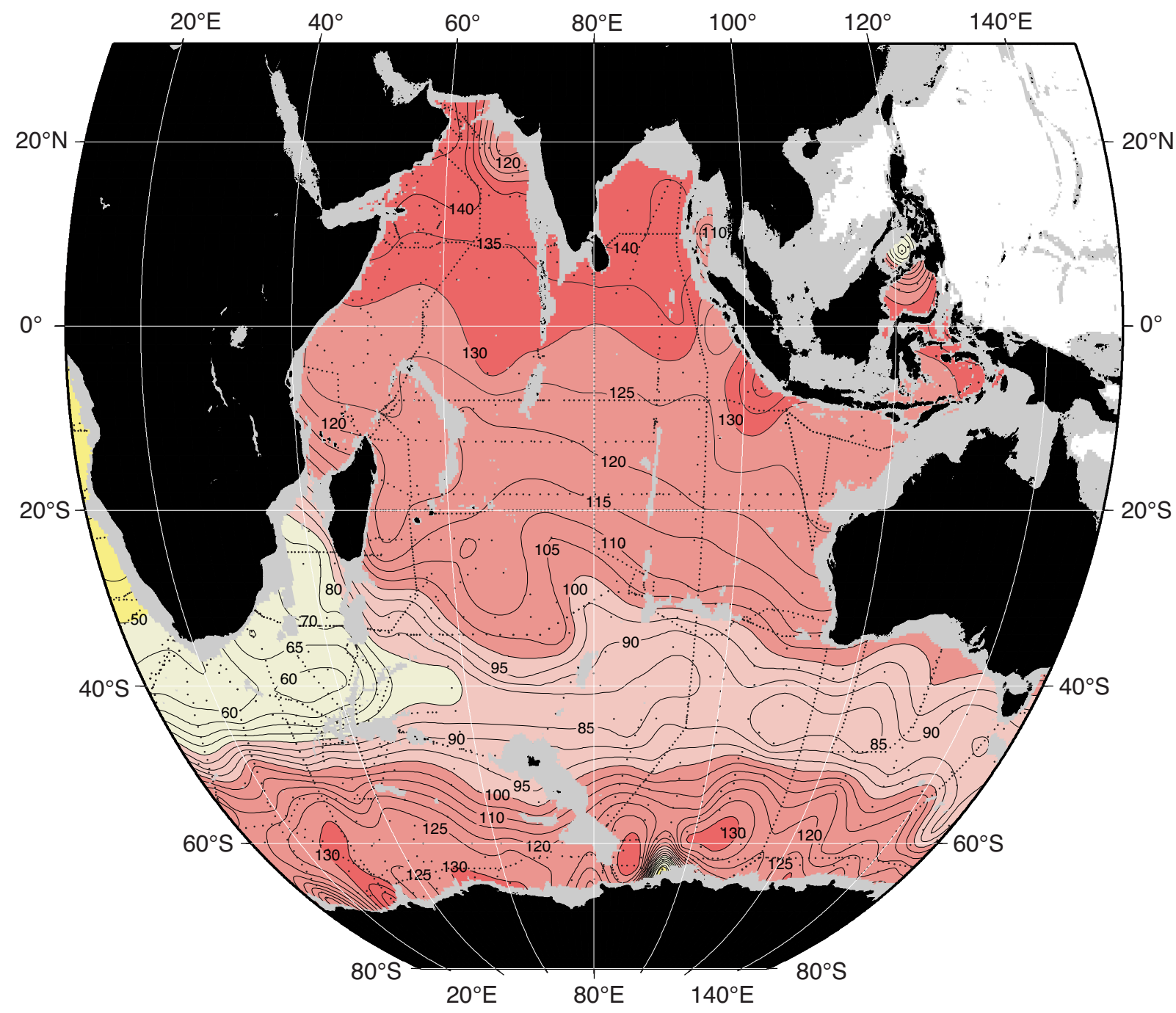


## Phosphate ( $\mu\text{mol/kg}$ )

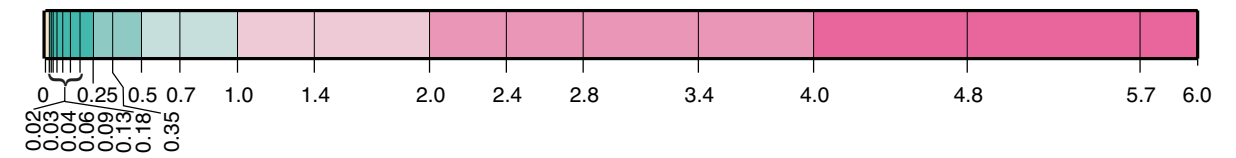
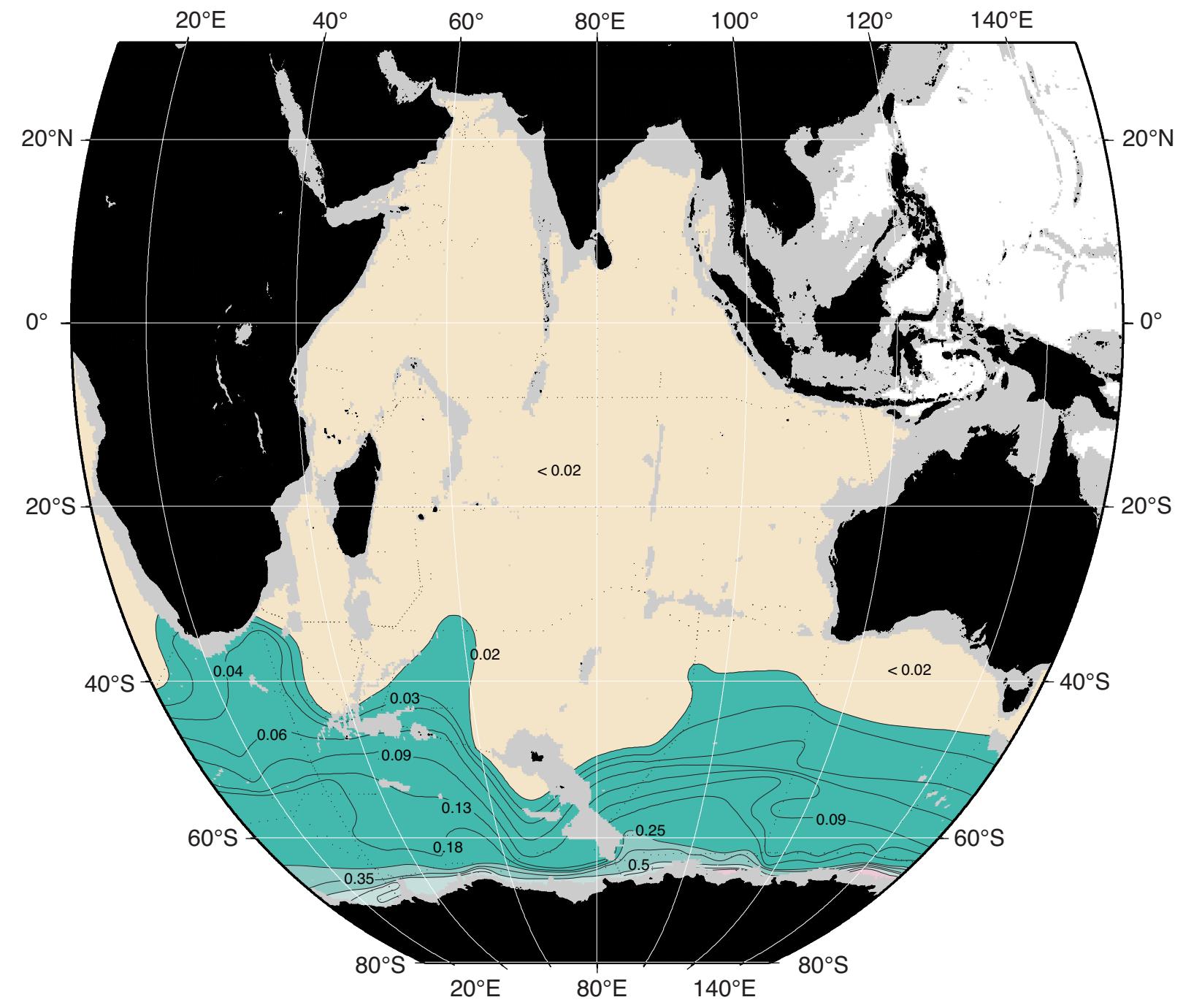


# 2500 m Depth

## Dissolved Silica ( $\mu\text{mol/kg}$ )



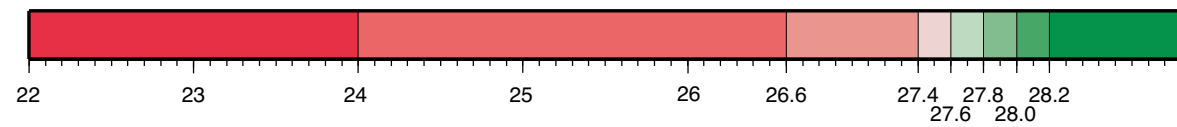
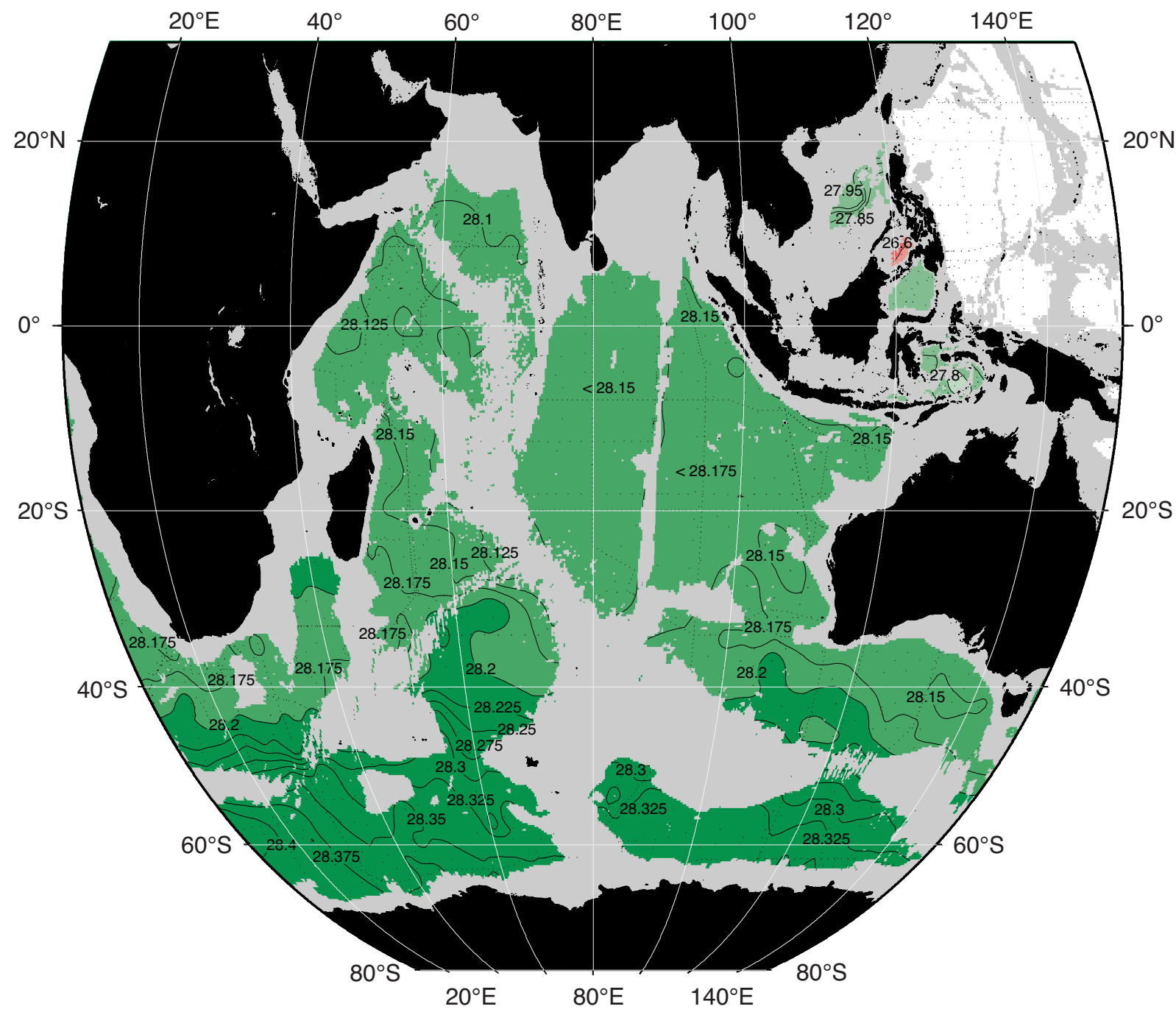
## CFC-11 ( $\text{pmol/kg}$ )



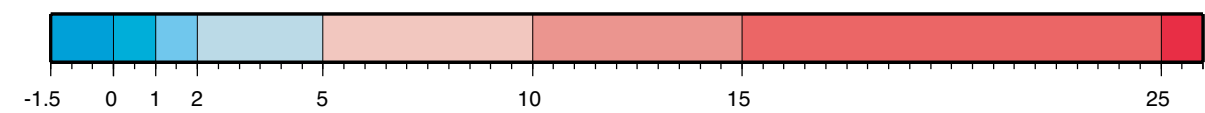
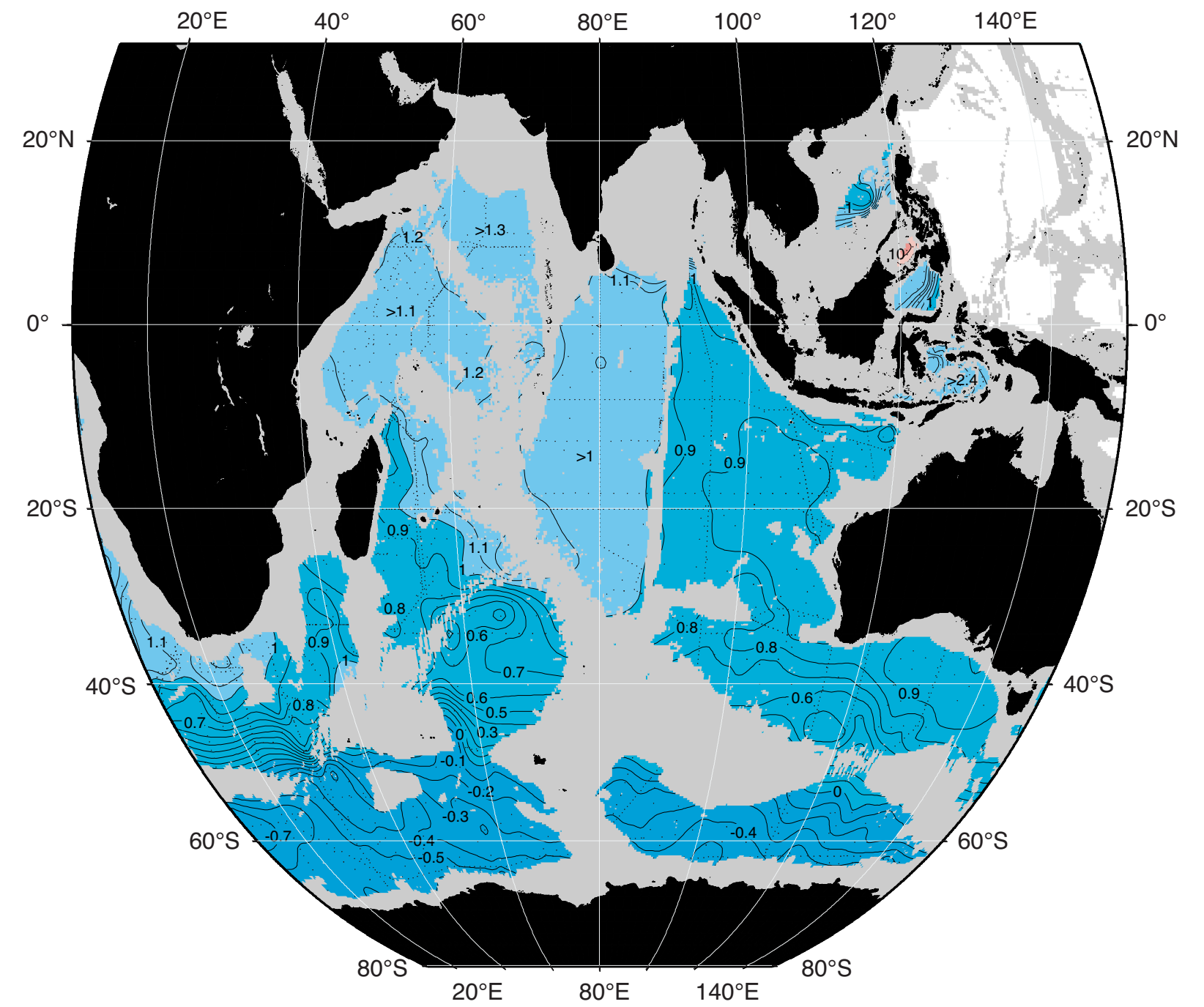


# 4000 m Depth

## Neutral Density ( $\text{kg/m}^3$ )

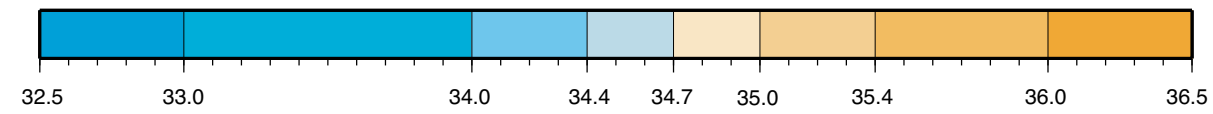


## Potential Temperature ( $^{\circ}\text{C}$ )

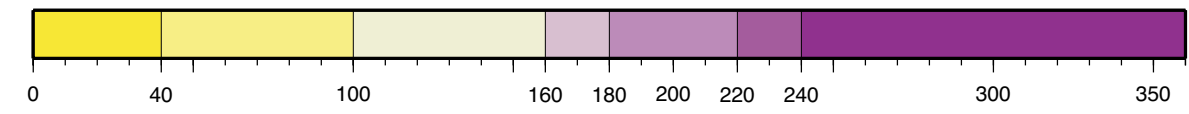
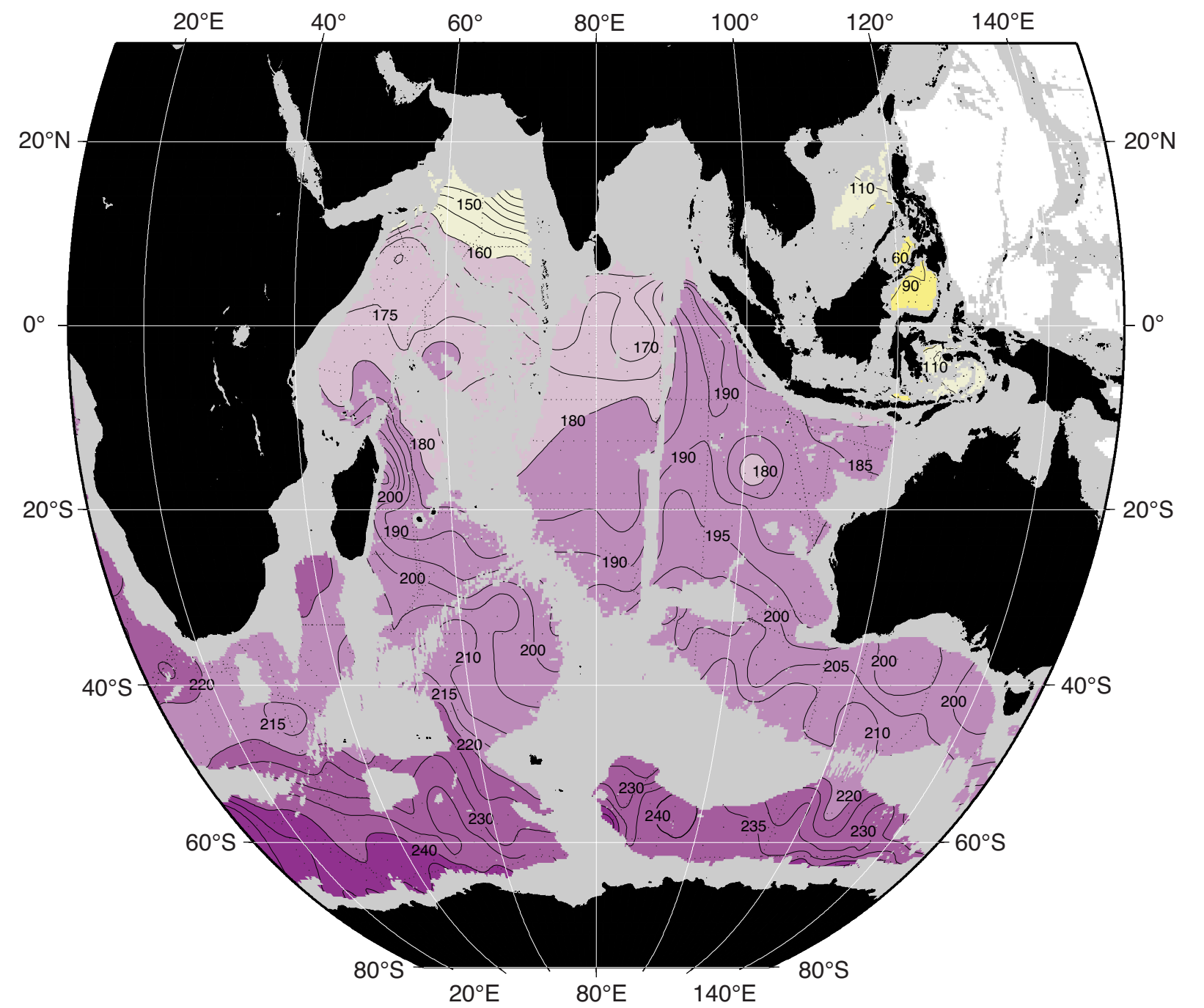


# 4000 m Depth

## Salinity (PSS78)

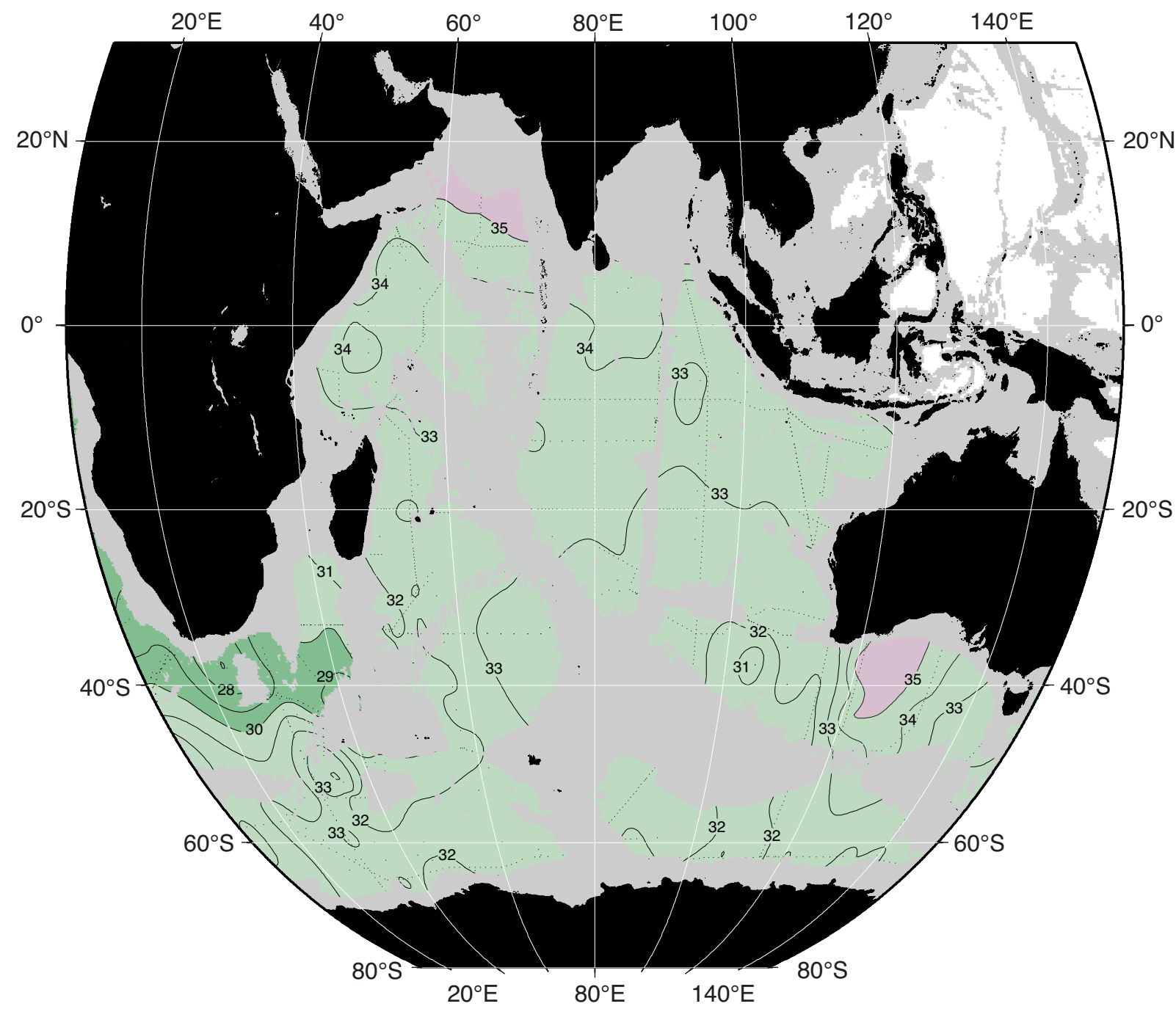


## Oxygen ( $\mu\text{mol/kg}$ )

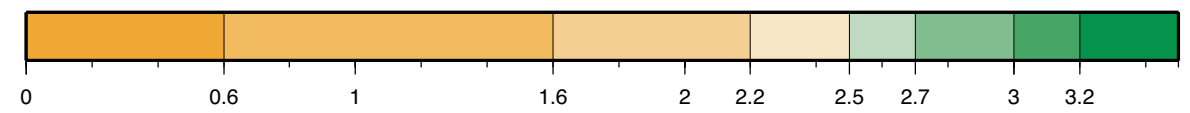
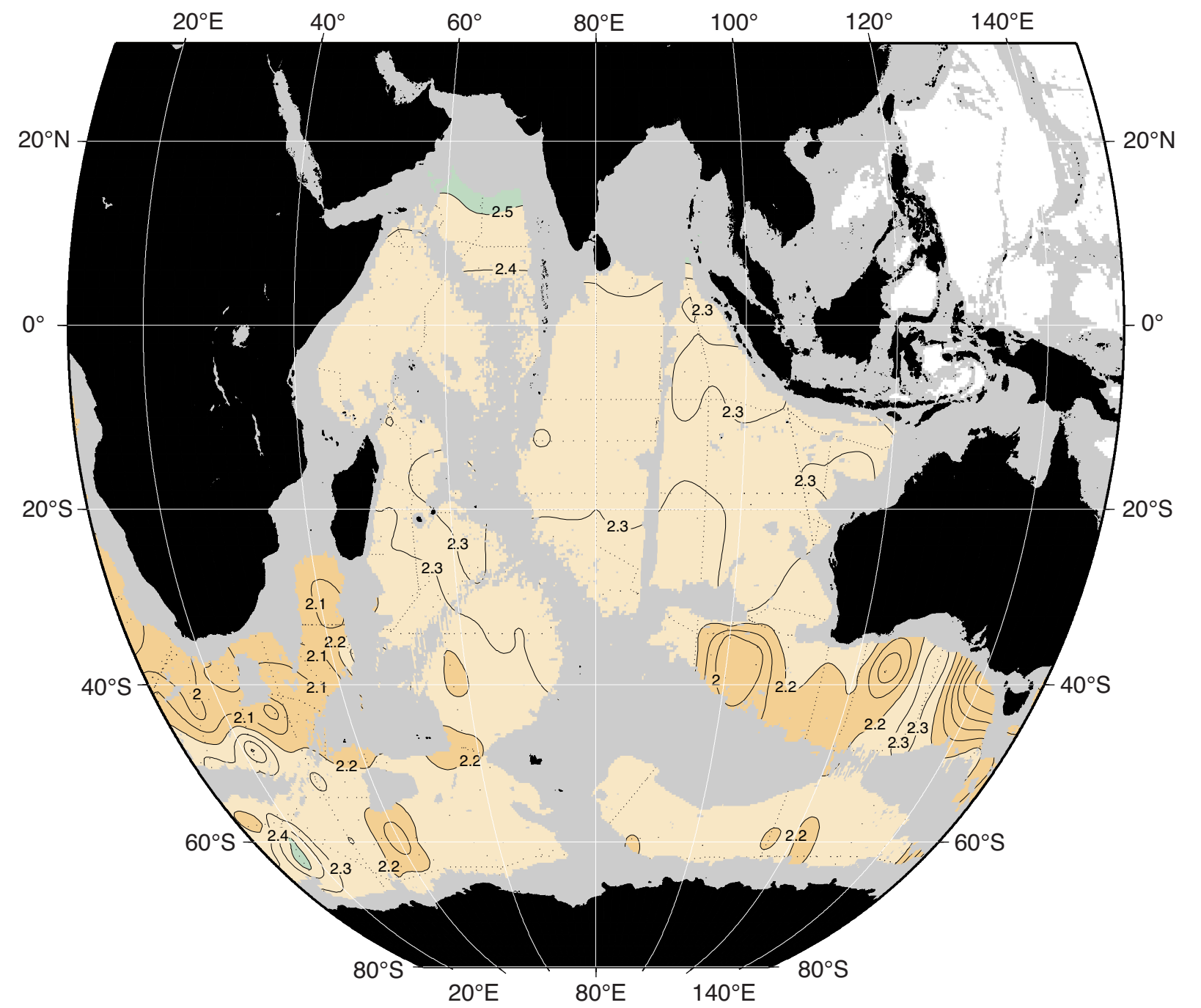


# 4000 m Depth

## Nitrate ( $\mu\text{mol/kg}$ )



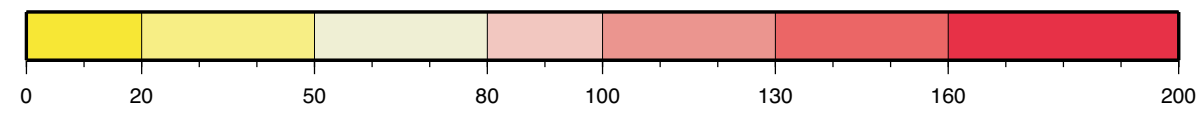
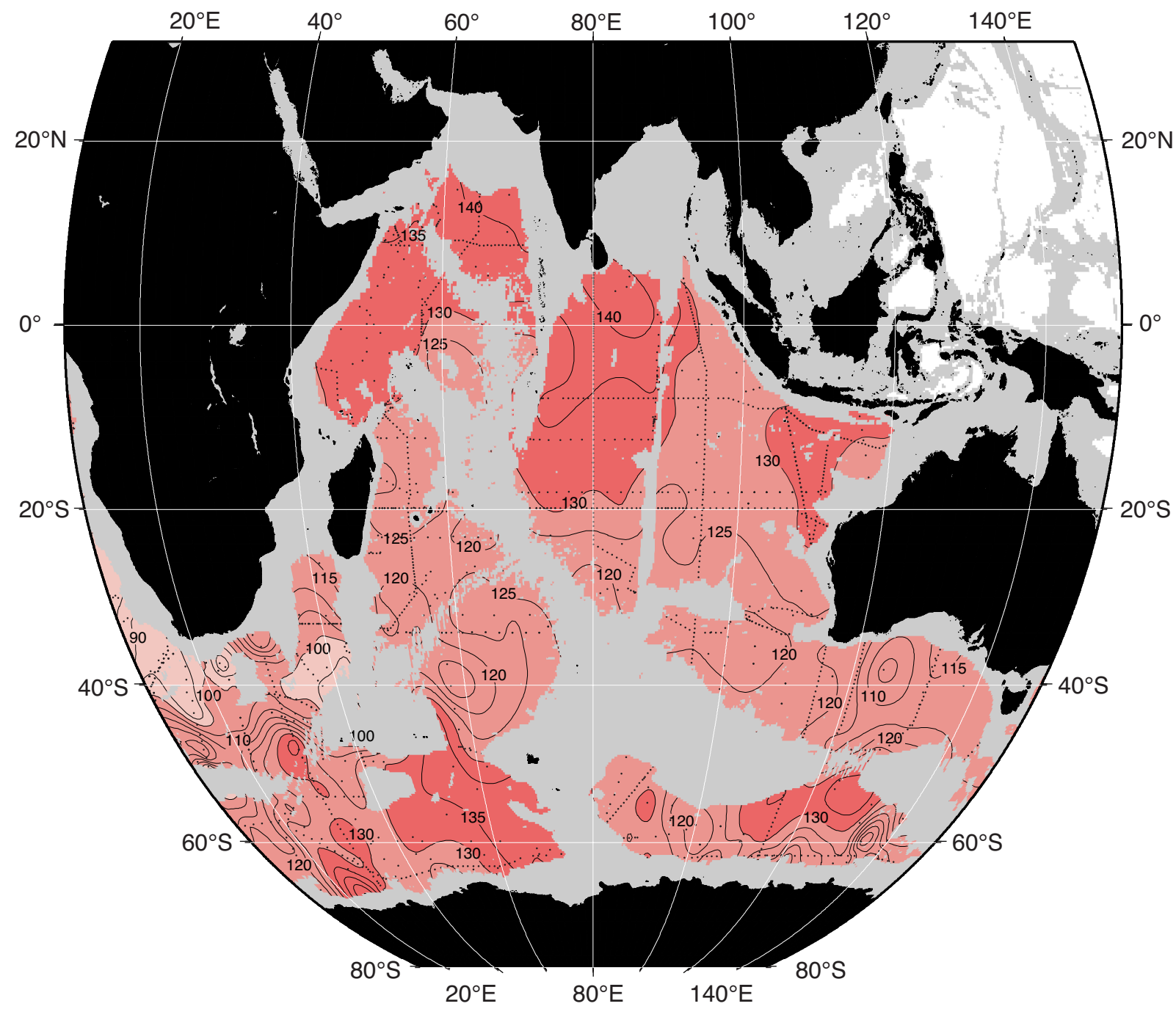
## Phosphate ( $\mu\text{mol/kg}$ )





# 4000 m Depth

## Dissolved Silica ( $\mu\text{mol/kg}$ )



## CFC-11 ( $\text{pmol/kg}$ )

