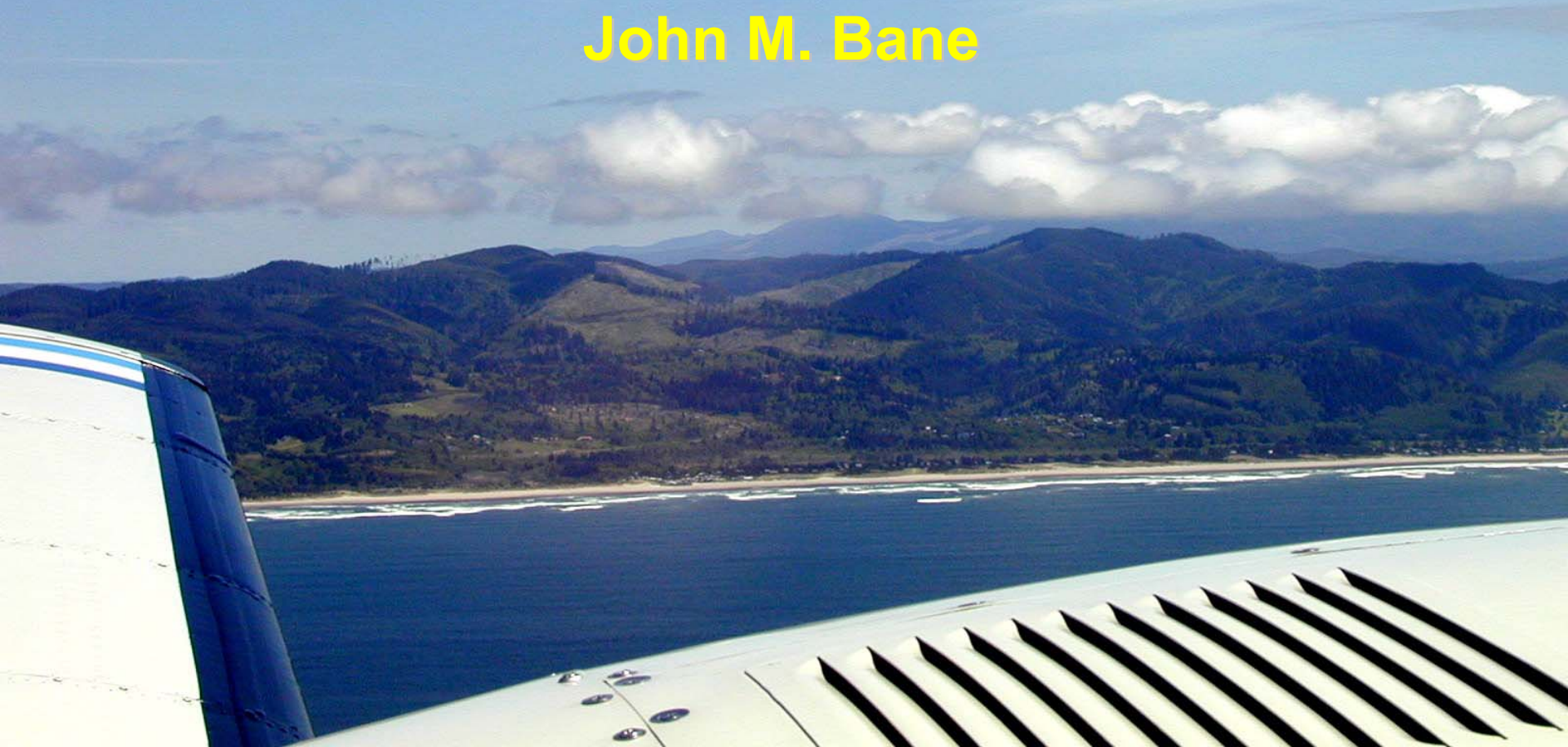


# THREE-DIMENSIONAL VIEWS OF THE OCEAN AND ATMOSPHERE IN THE OREGON COASTAL UPWELLING SYSTEM

John M. Bane



# Piper Seneca III operated by the University of North Carolina



## OCEAN

SST  
T(z)  
Color

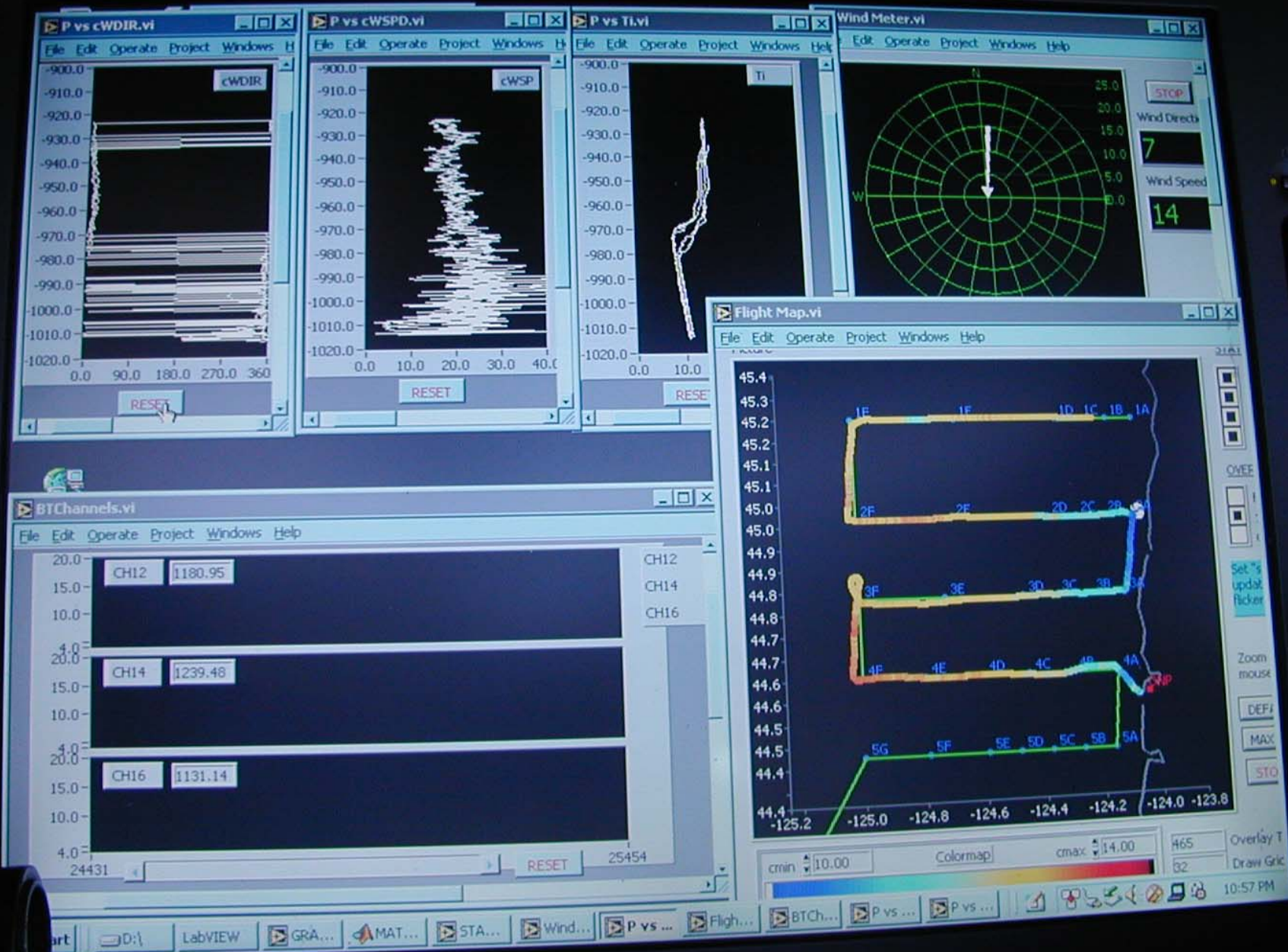
## ATMOSPHERE

Wind (u, v)  
Temperature  
Humidity  
Pressure

# Power Distribution and Signal Reception Console



# In-Flight Data Display





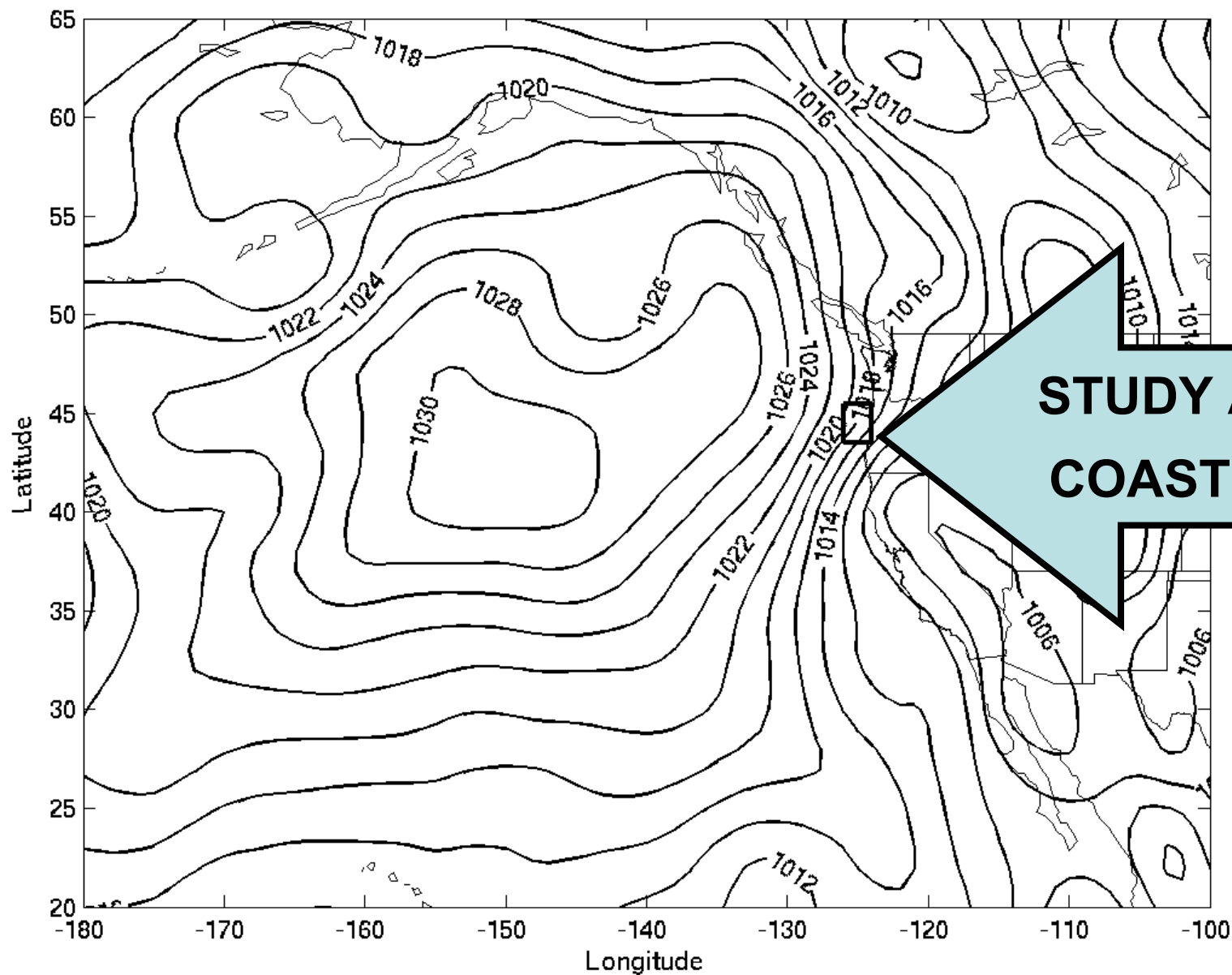


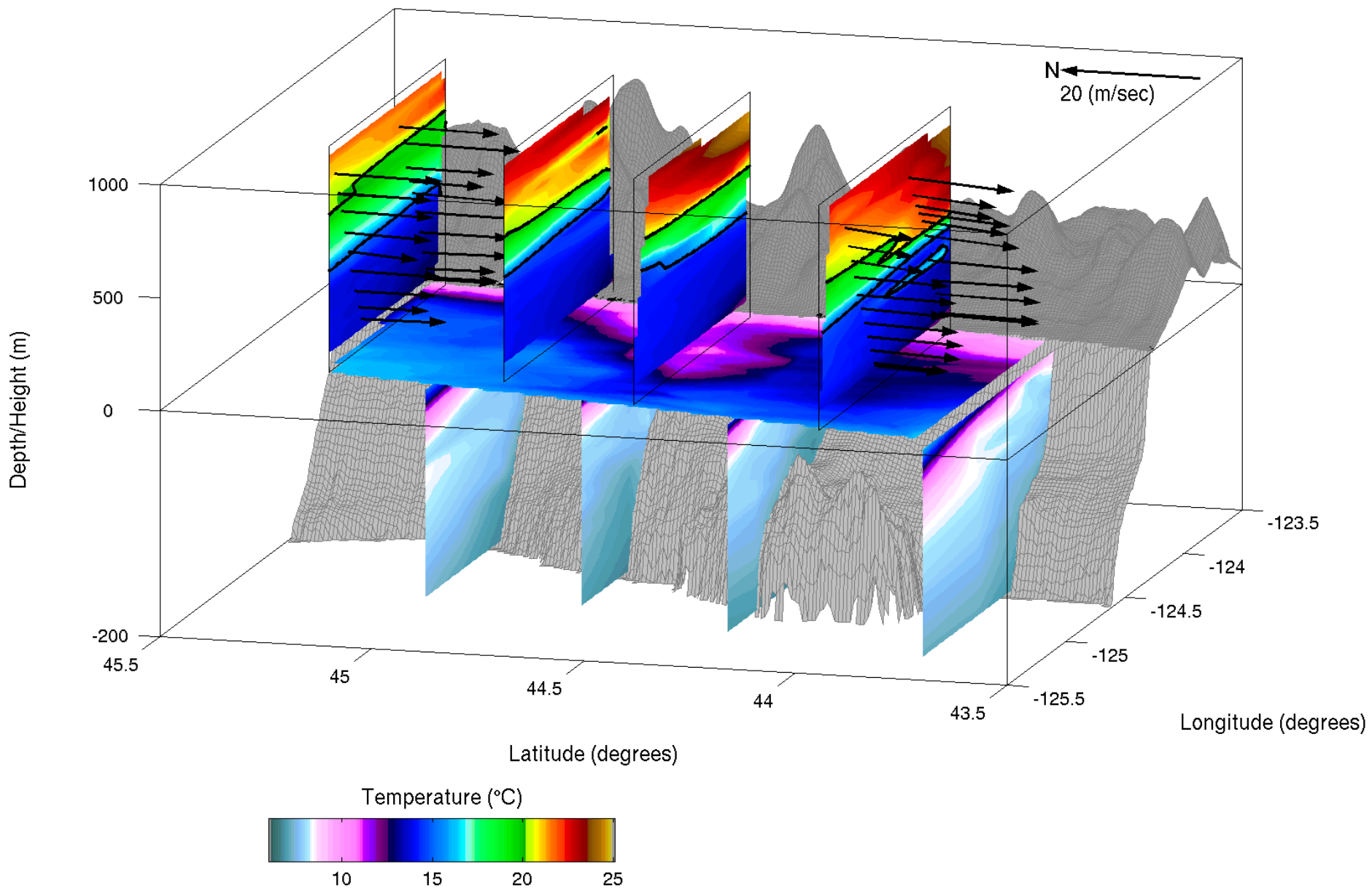


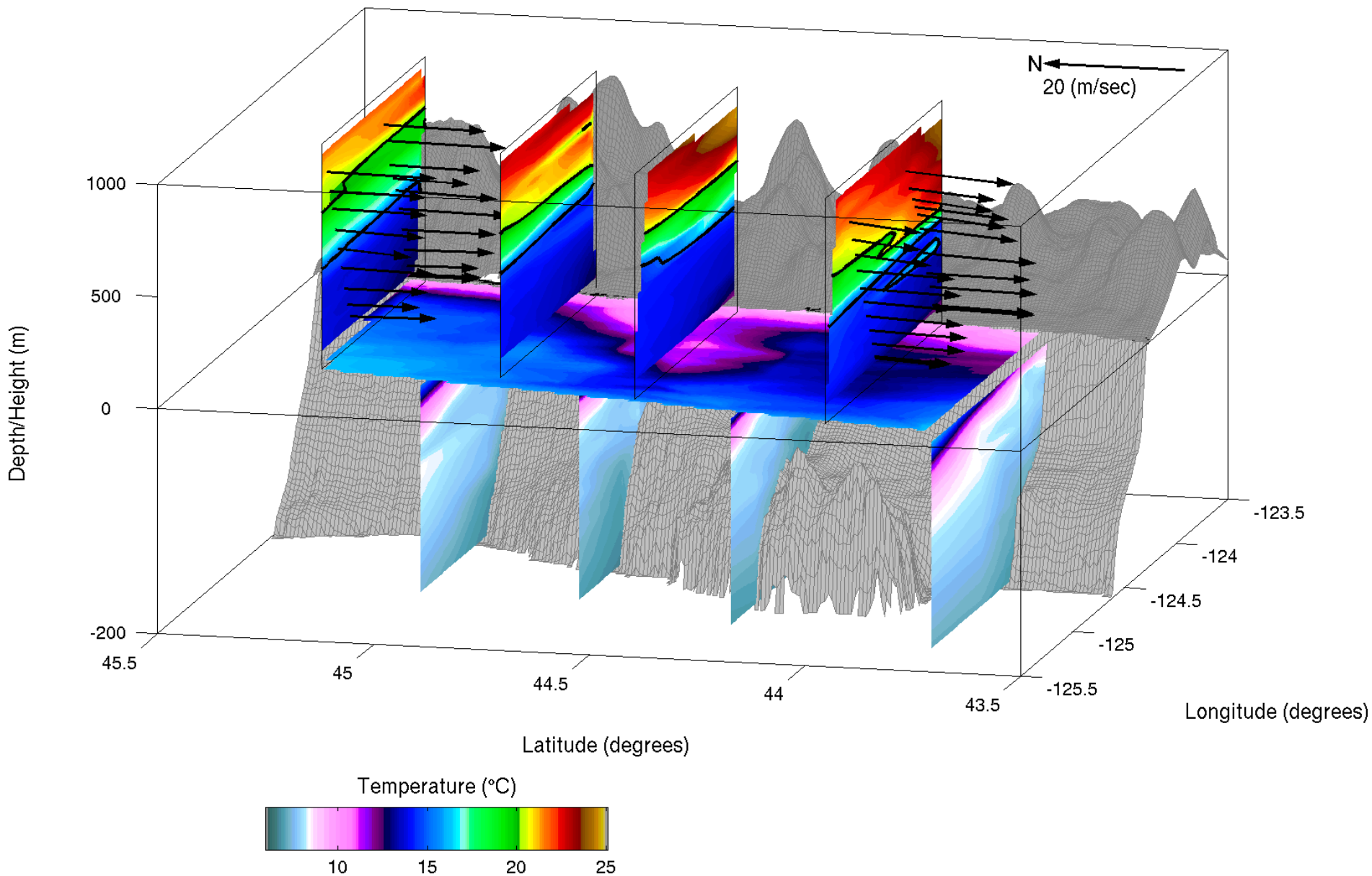


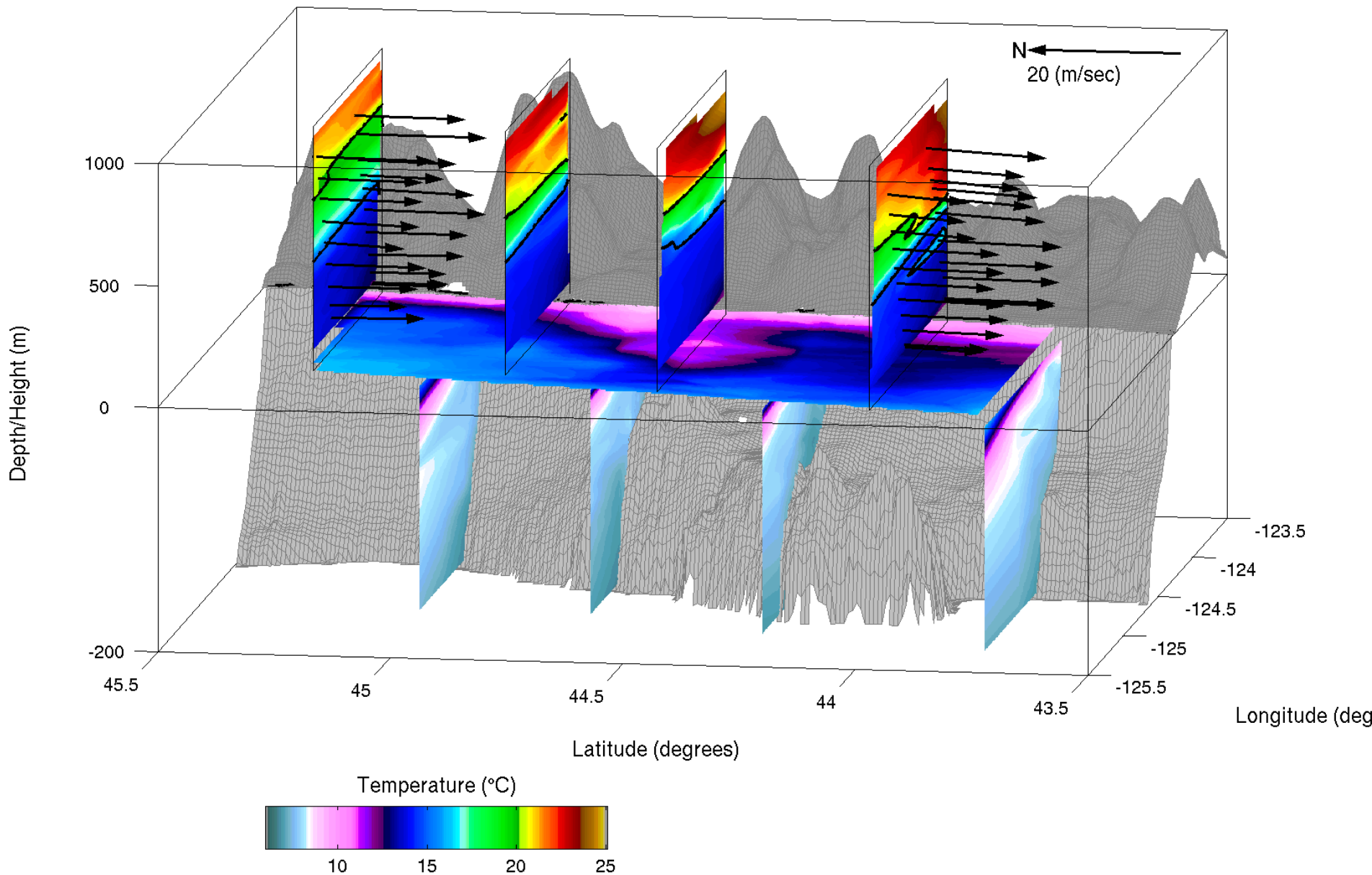


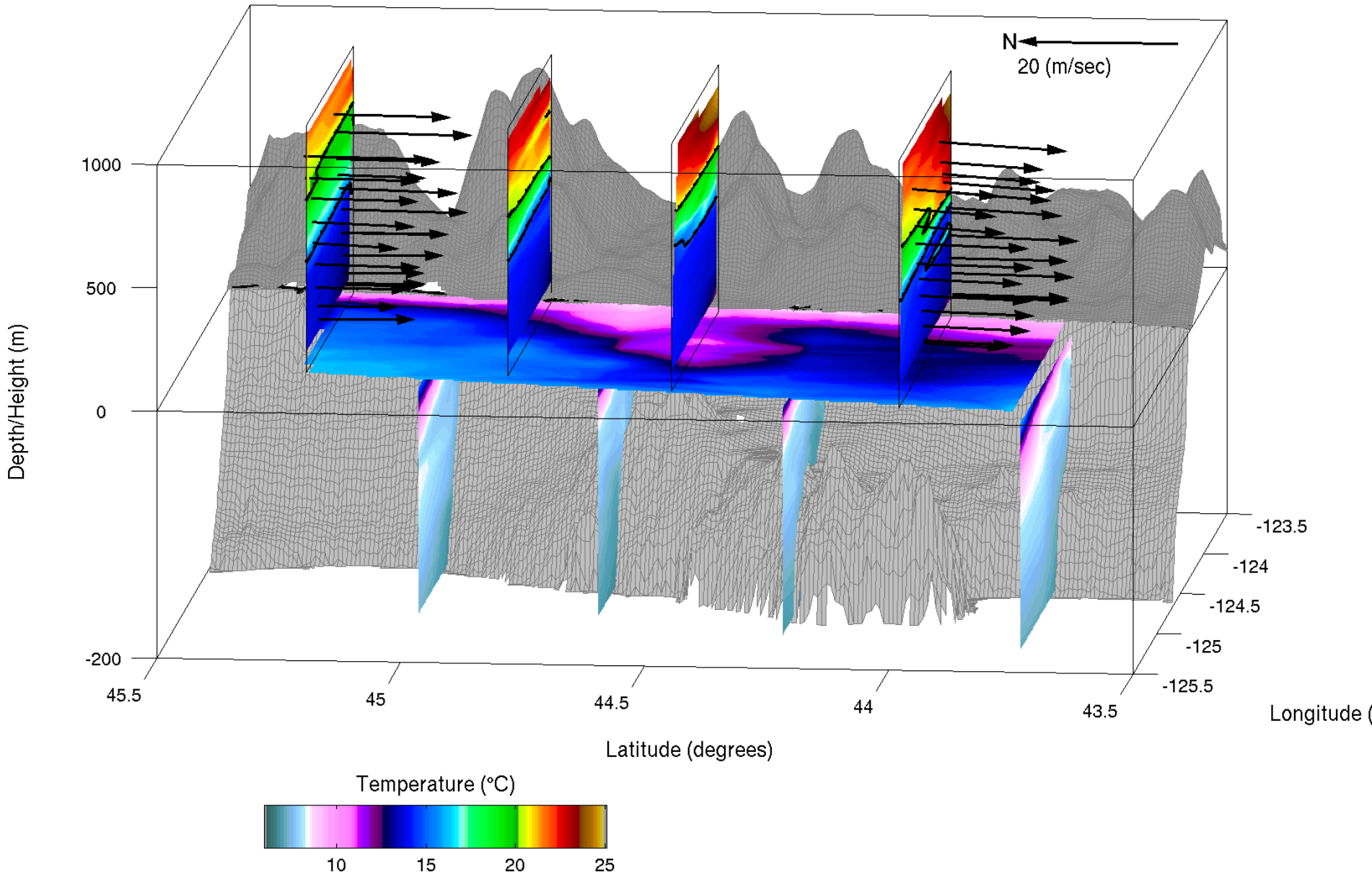
# SURFACE ATMOSPHERIC PRESSURE AT 1700 PDT ON JULY 24, 2001

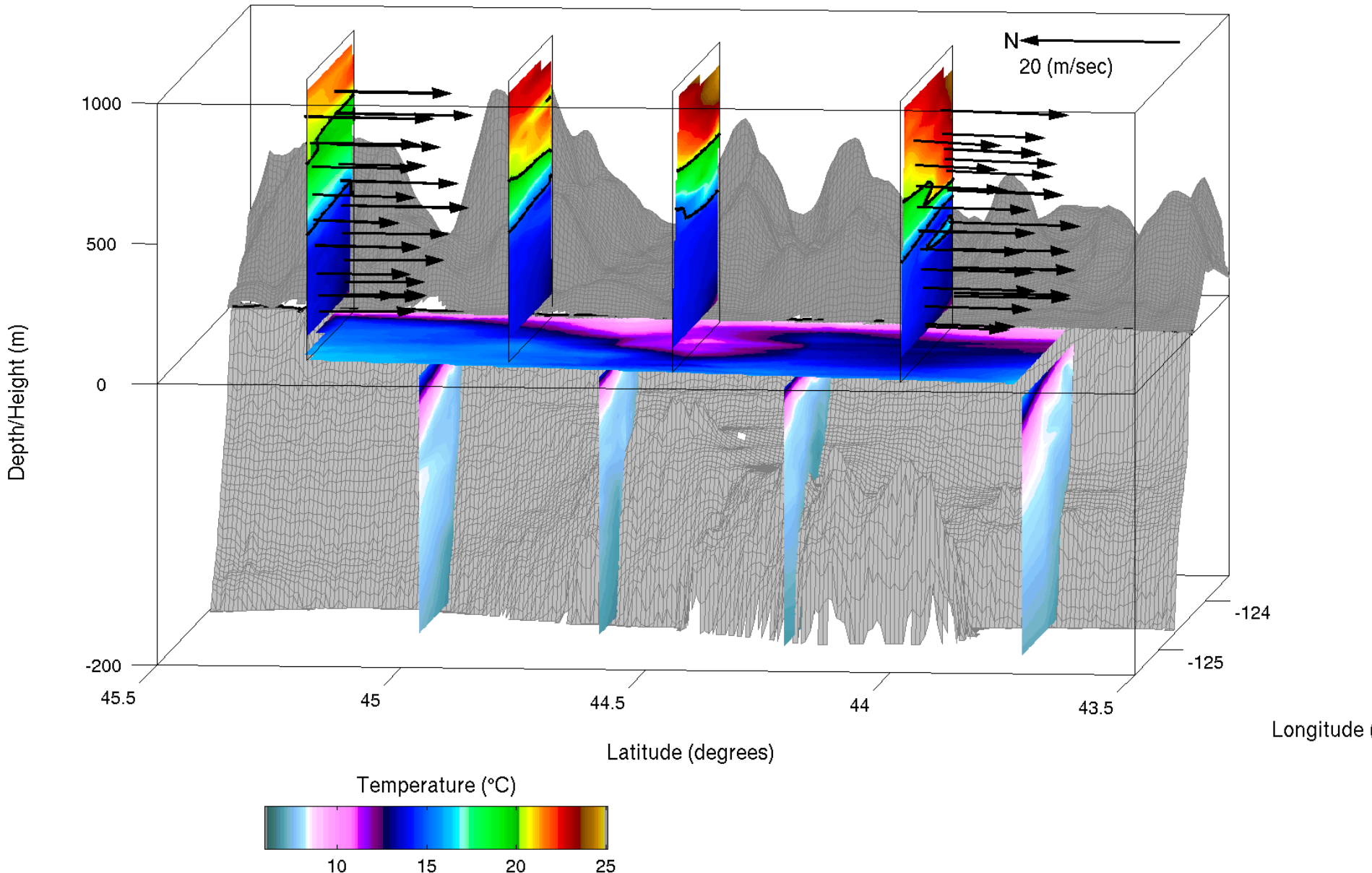


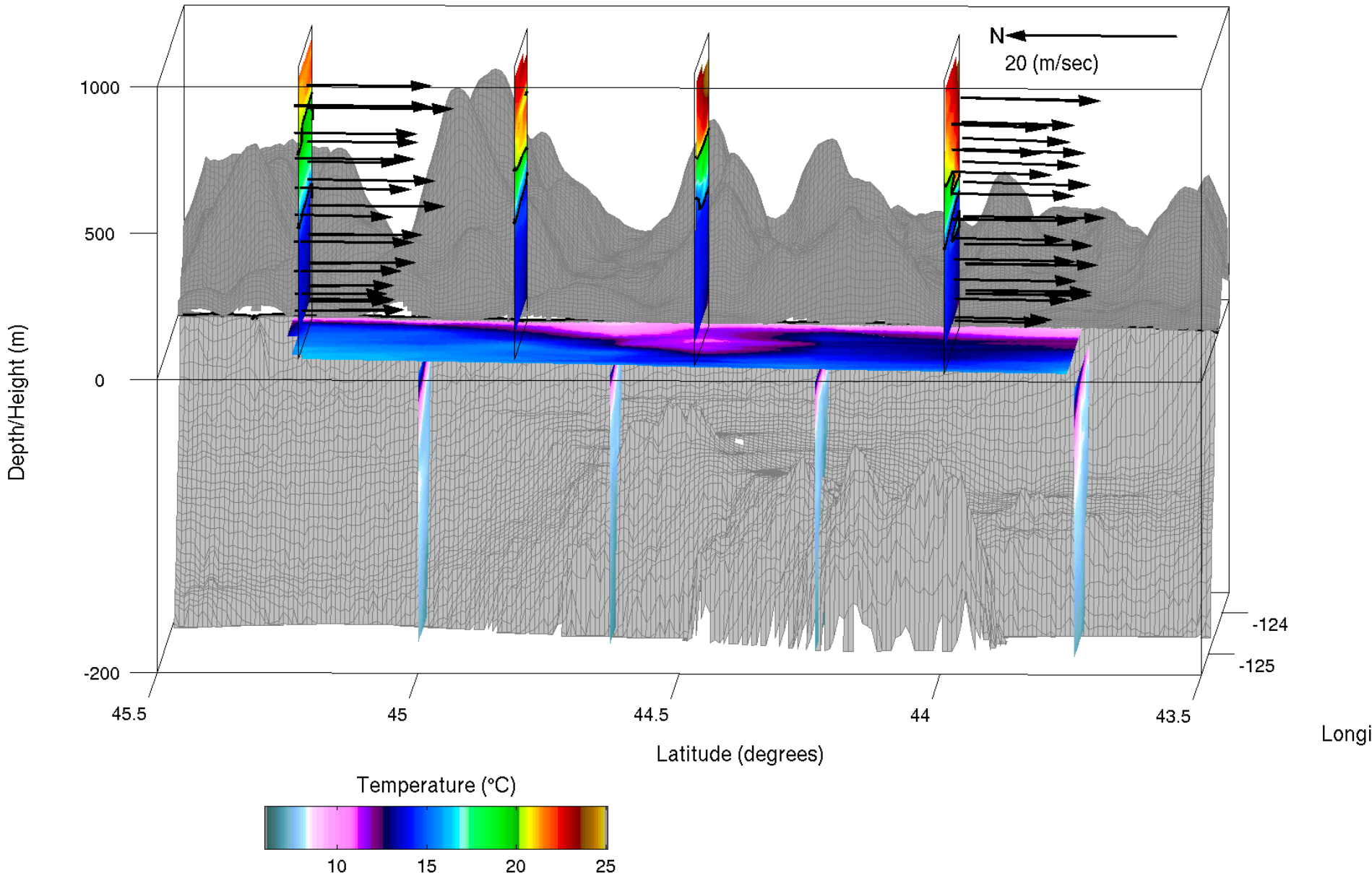












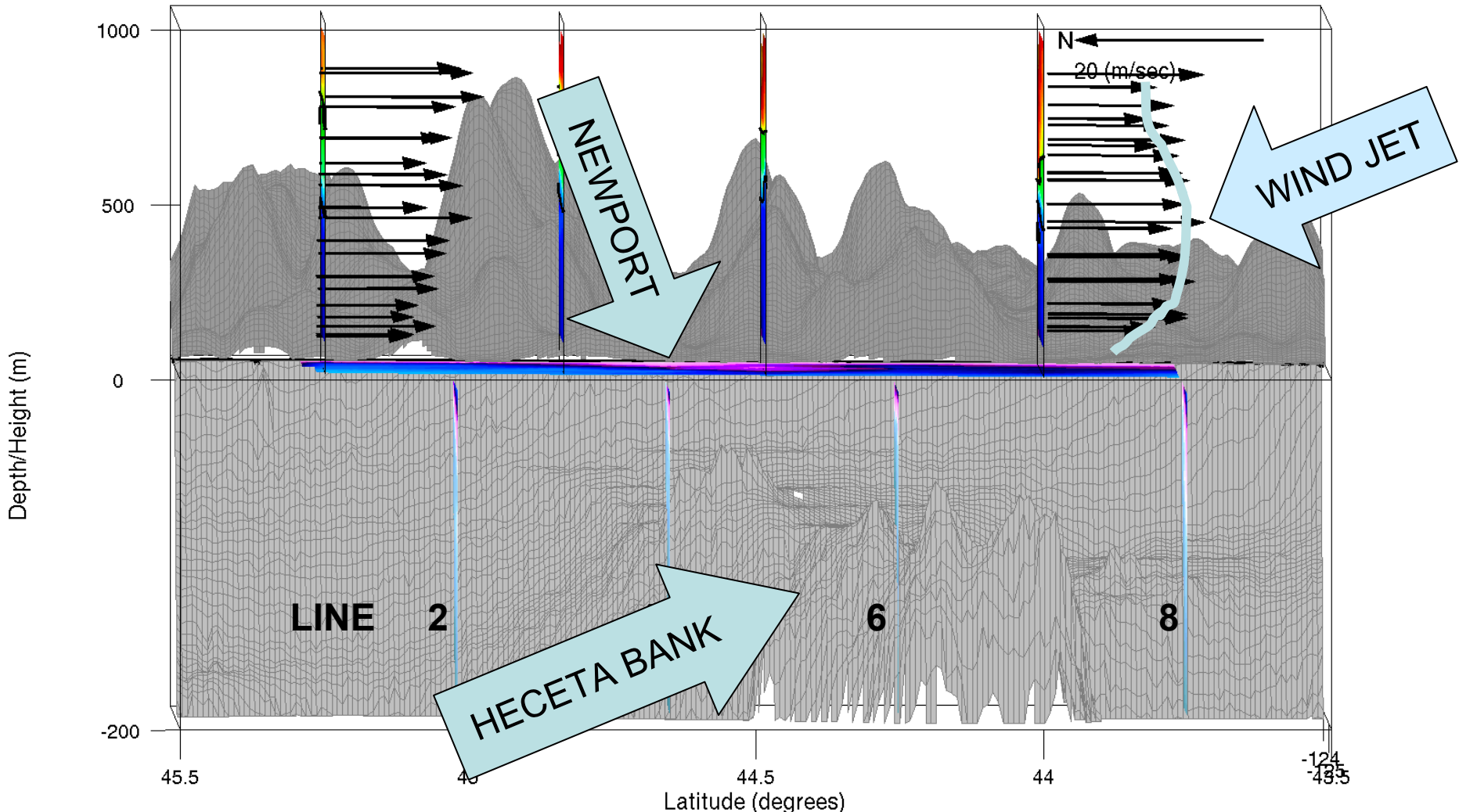
**LINE 1**

**1**

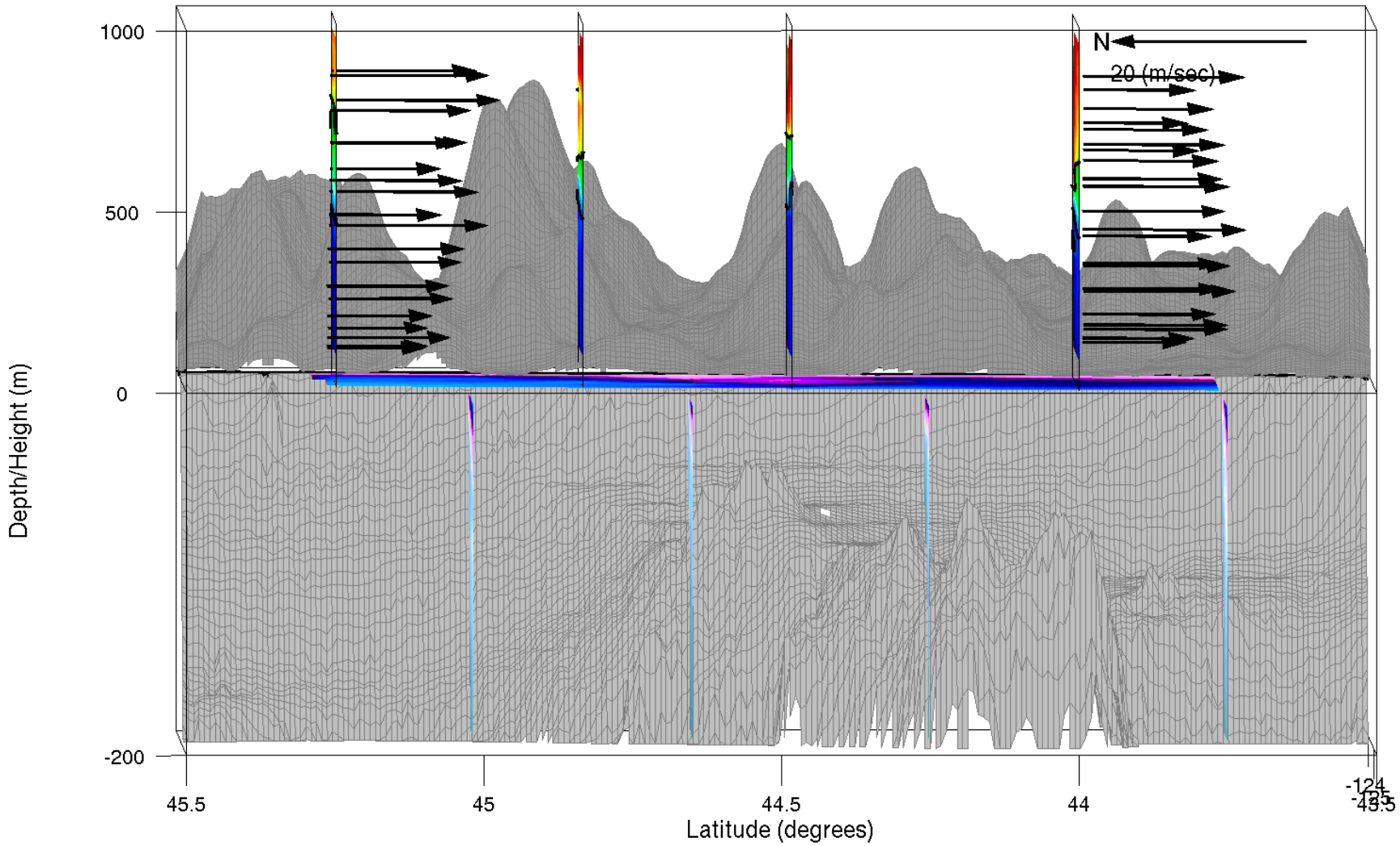
**3**

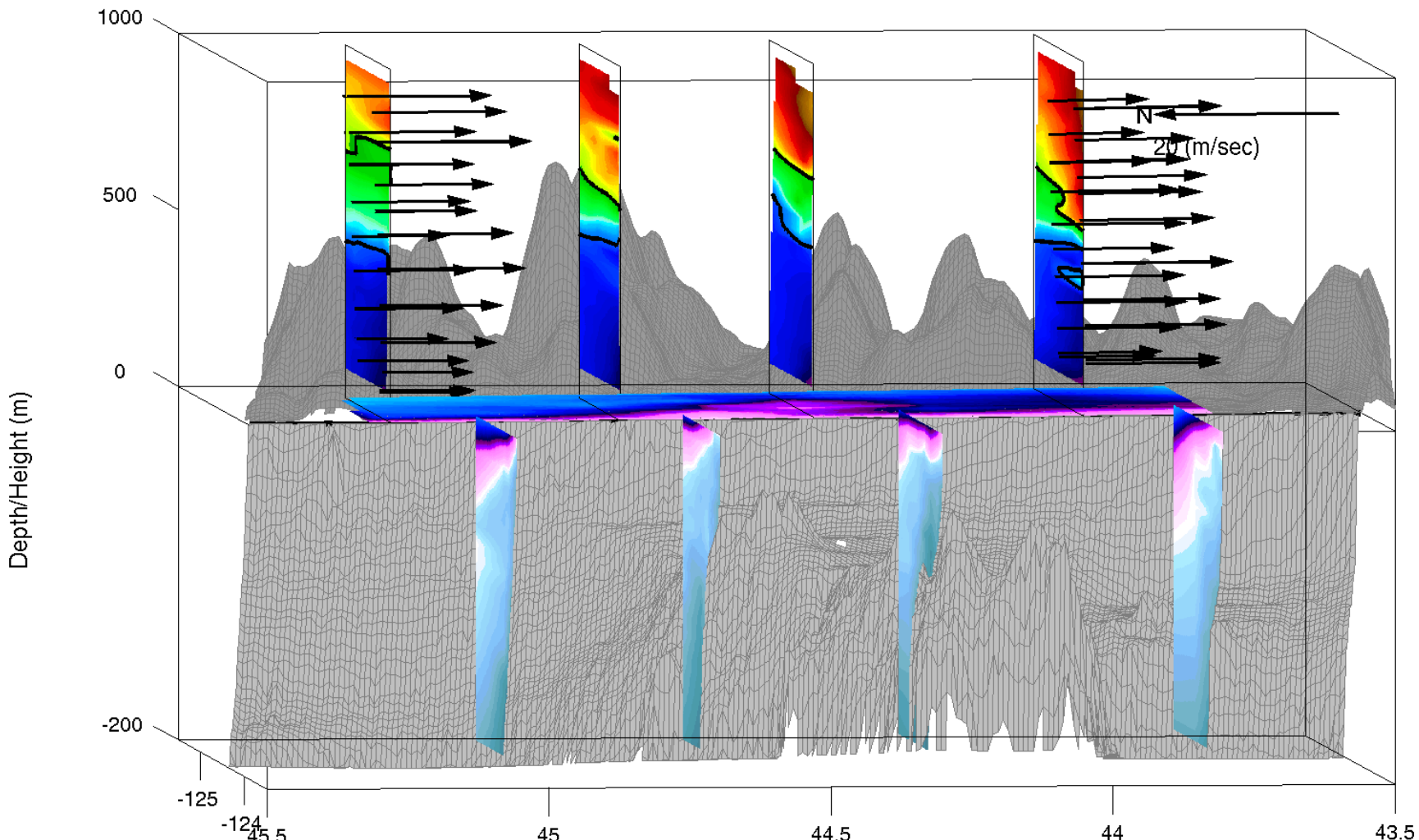
**5**

**7**





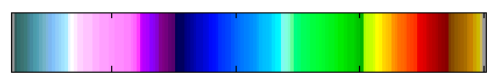




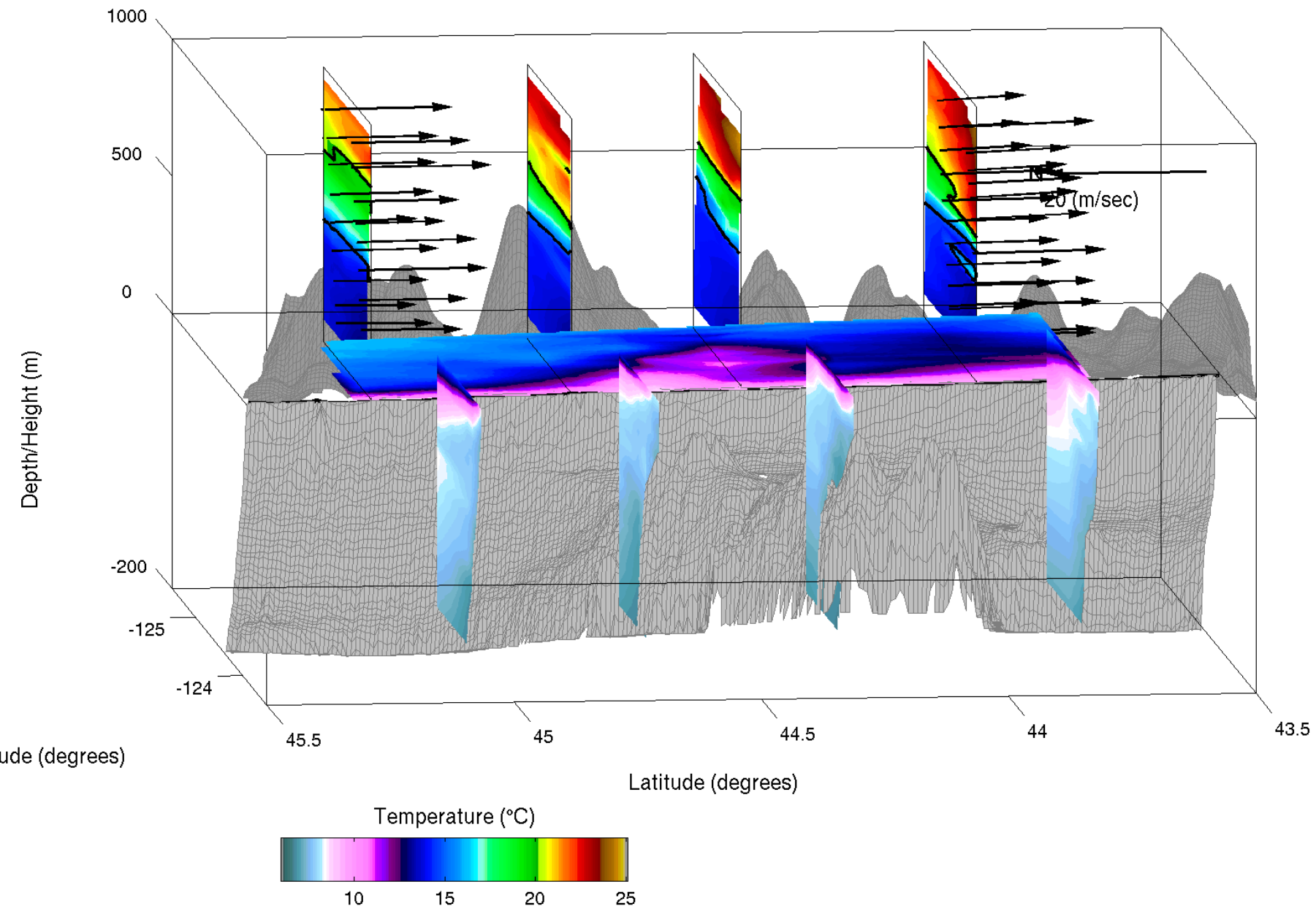
Longitude (degrees)

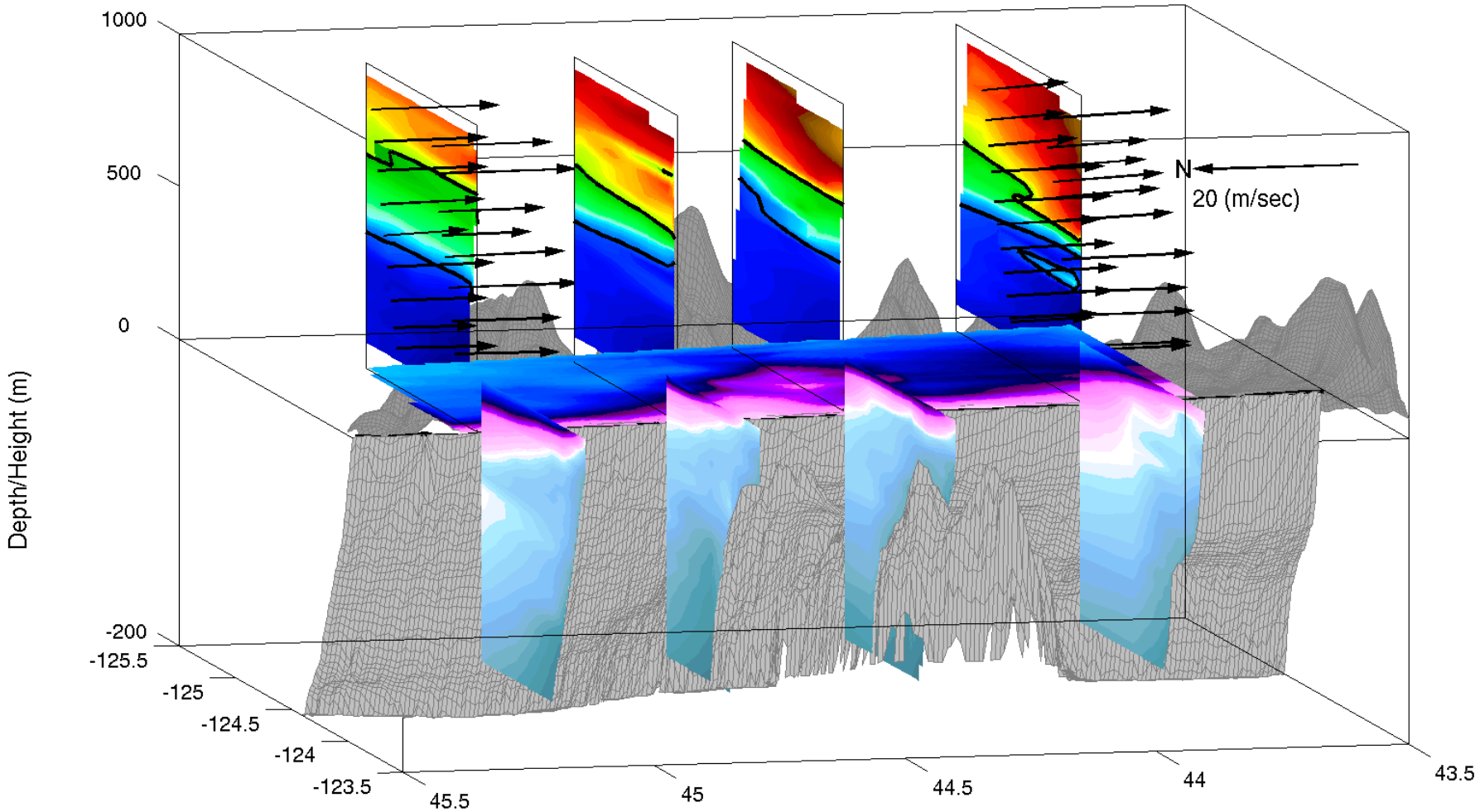
Latitude (degrees)

Temperature (°C)



10 15 20 25

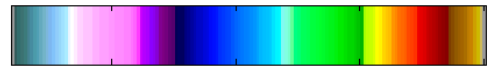




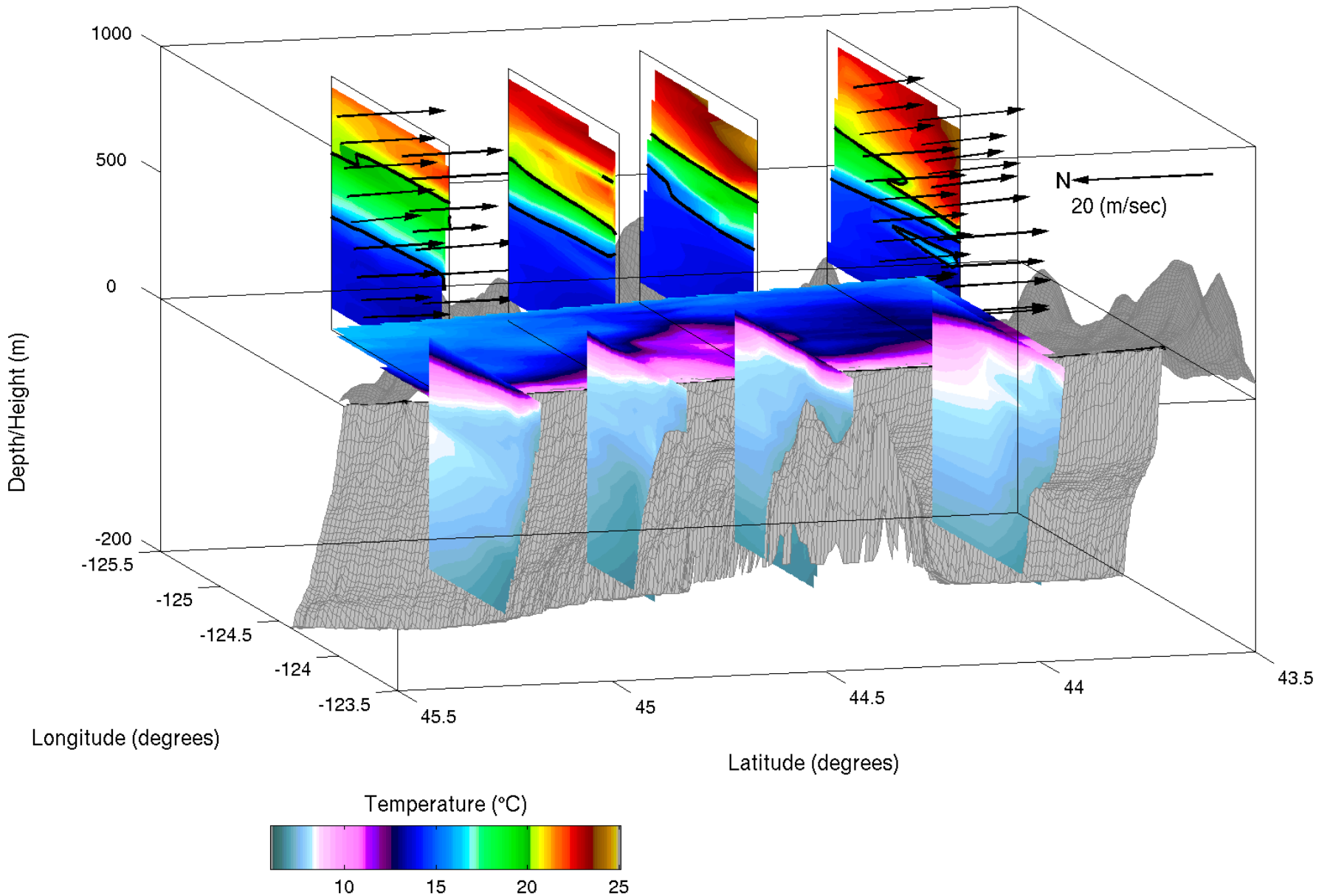
Longitude (degrees)

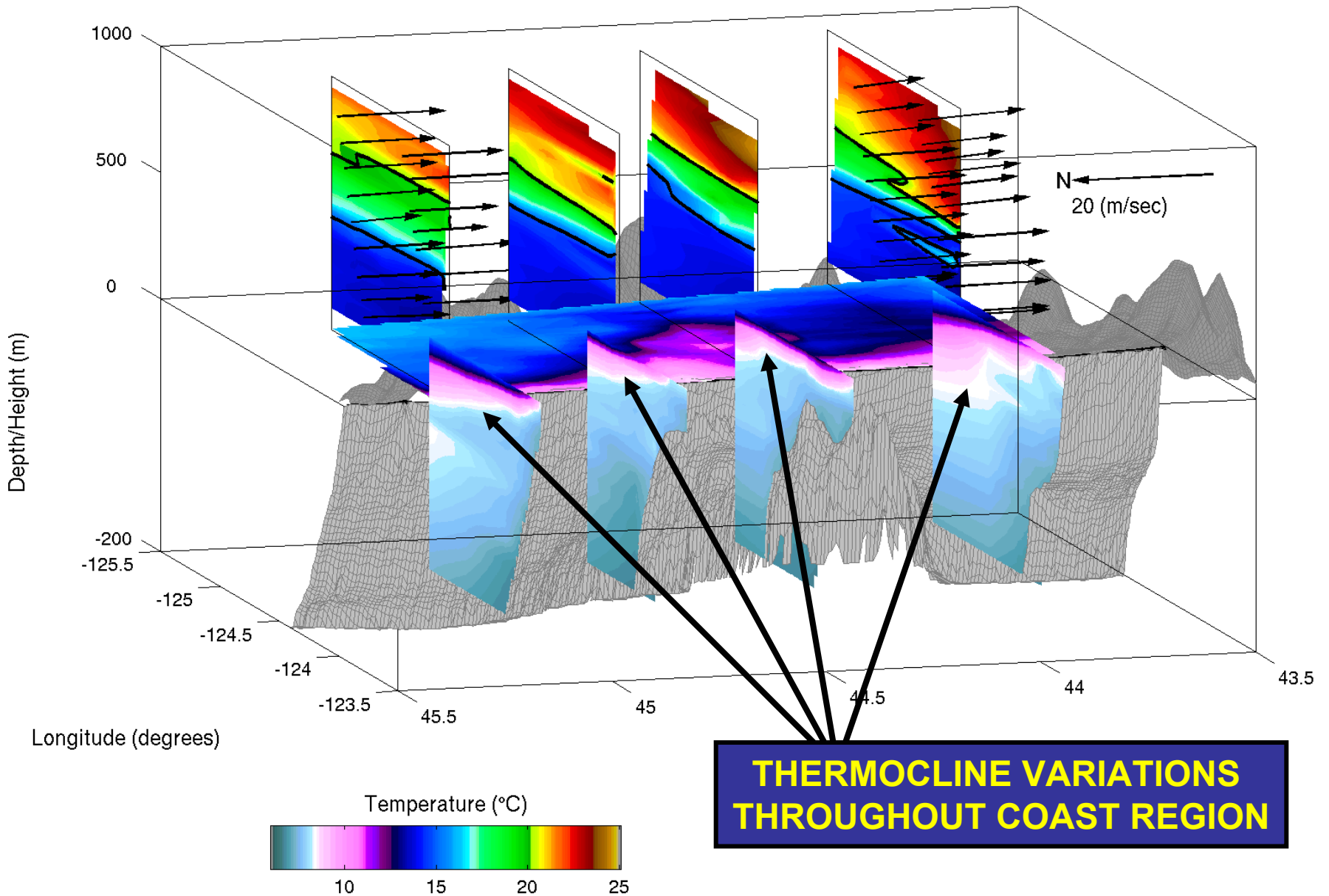
Latitude (degrees)

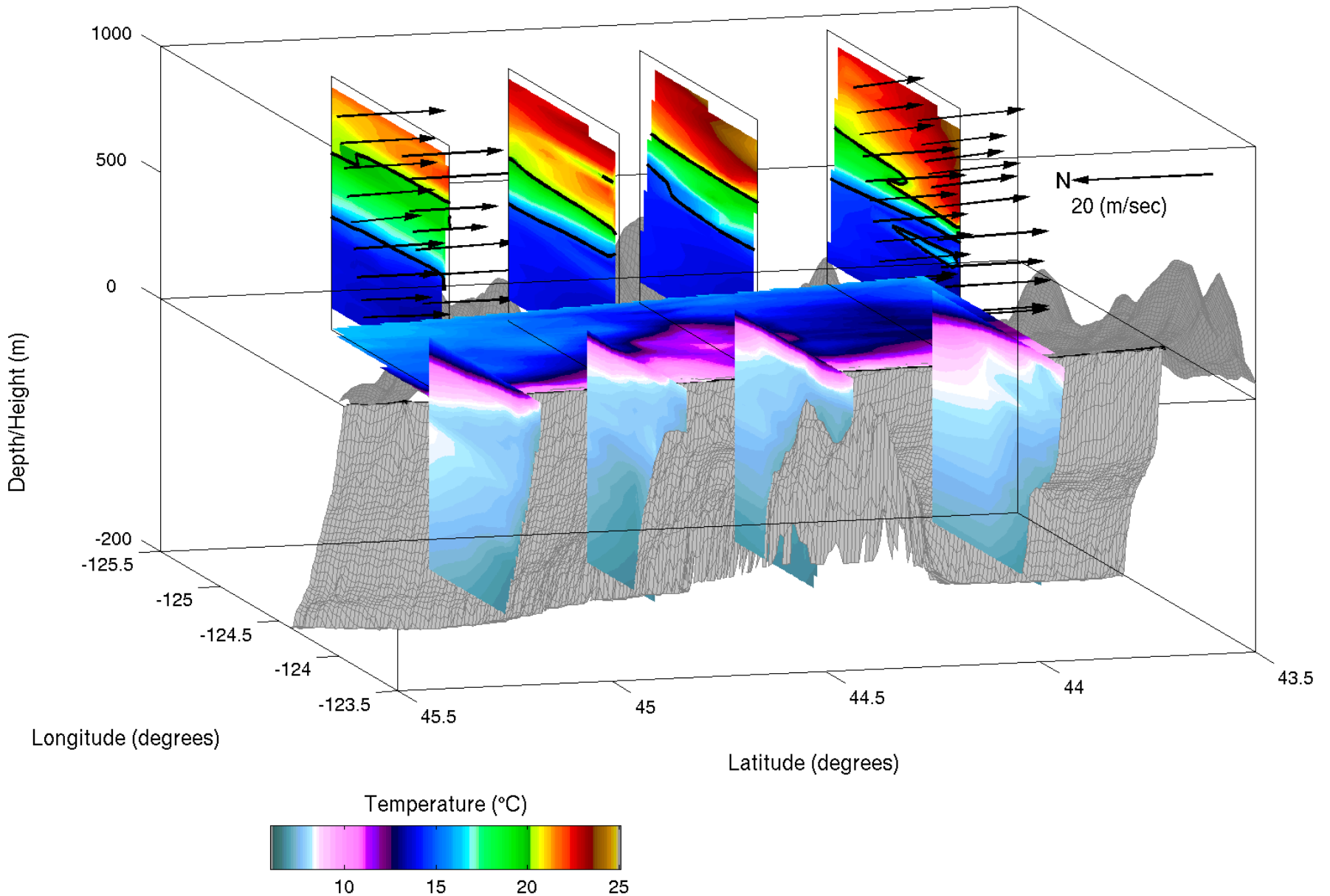
Temperature (°C)

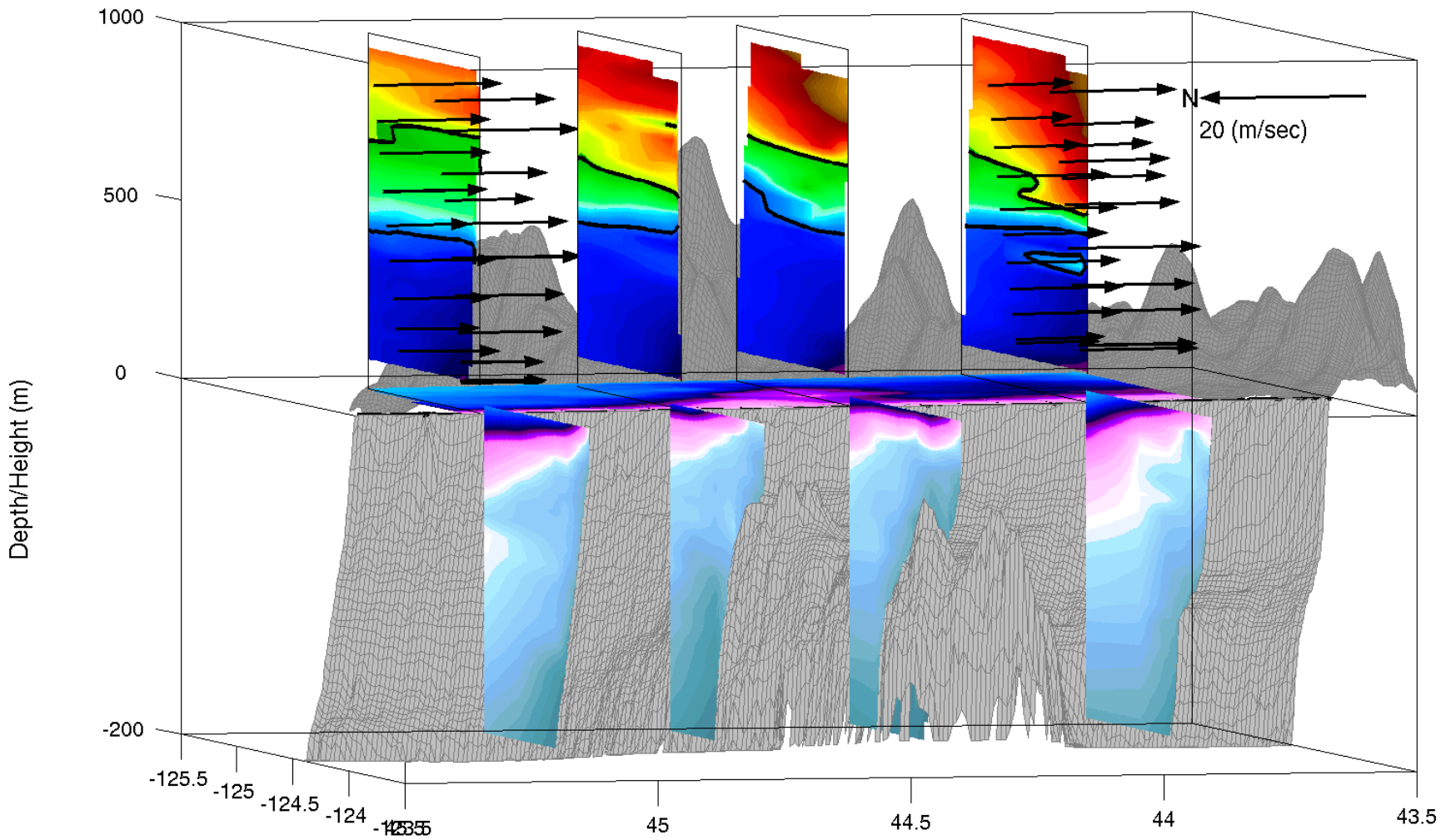


10 15 20 25





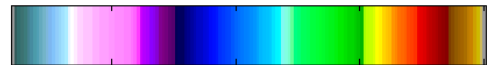




Longitude (degrees)

Latitude (degrees)

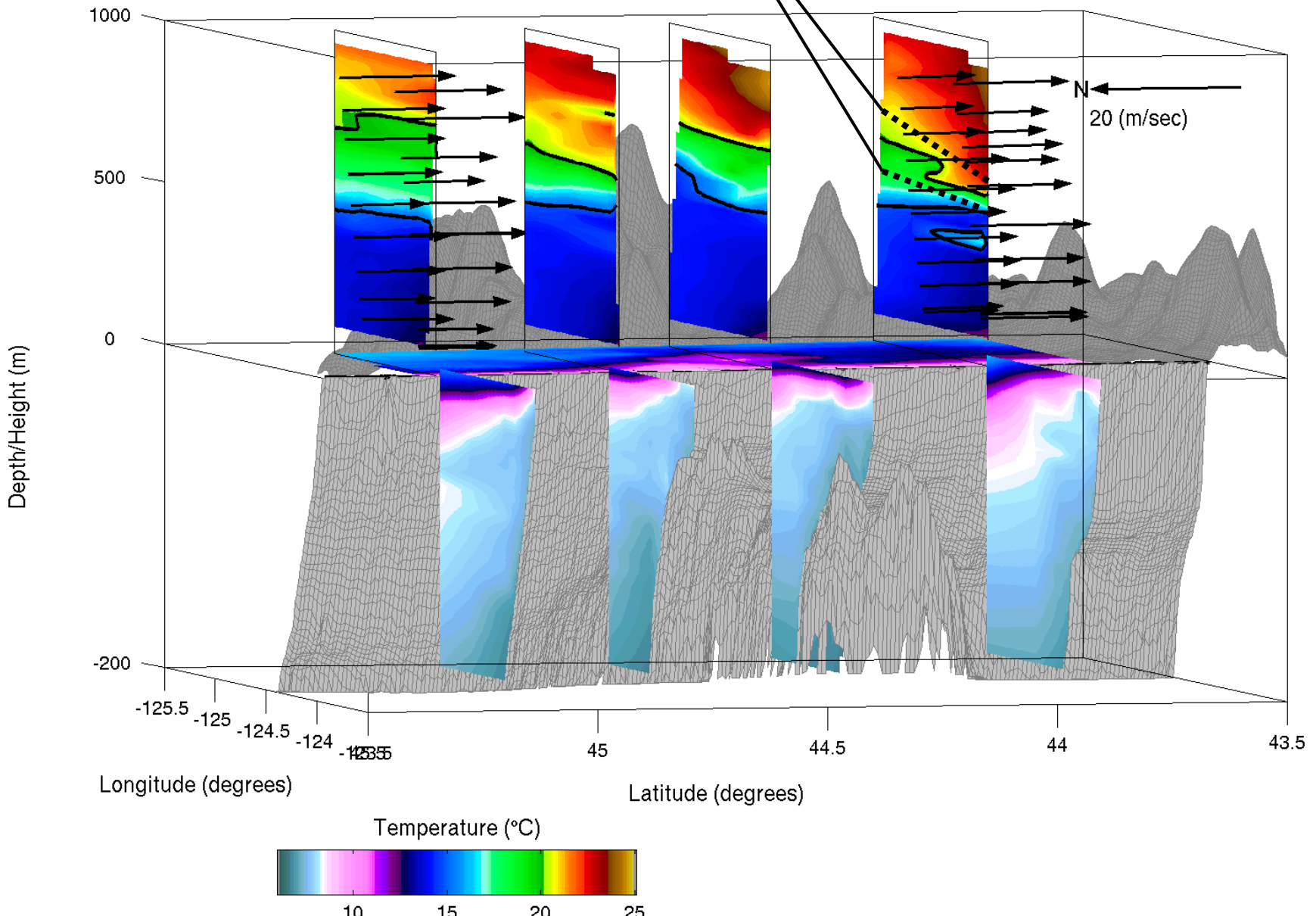
Temperature (°C)

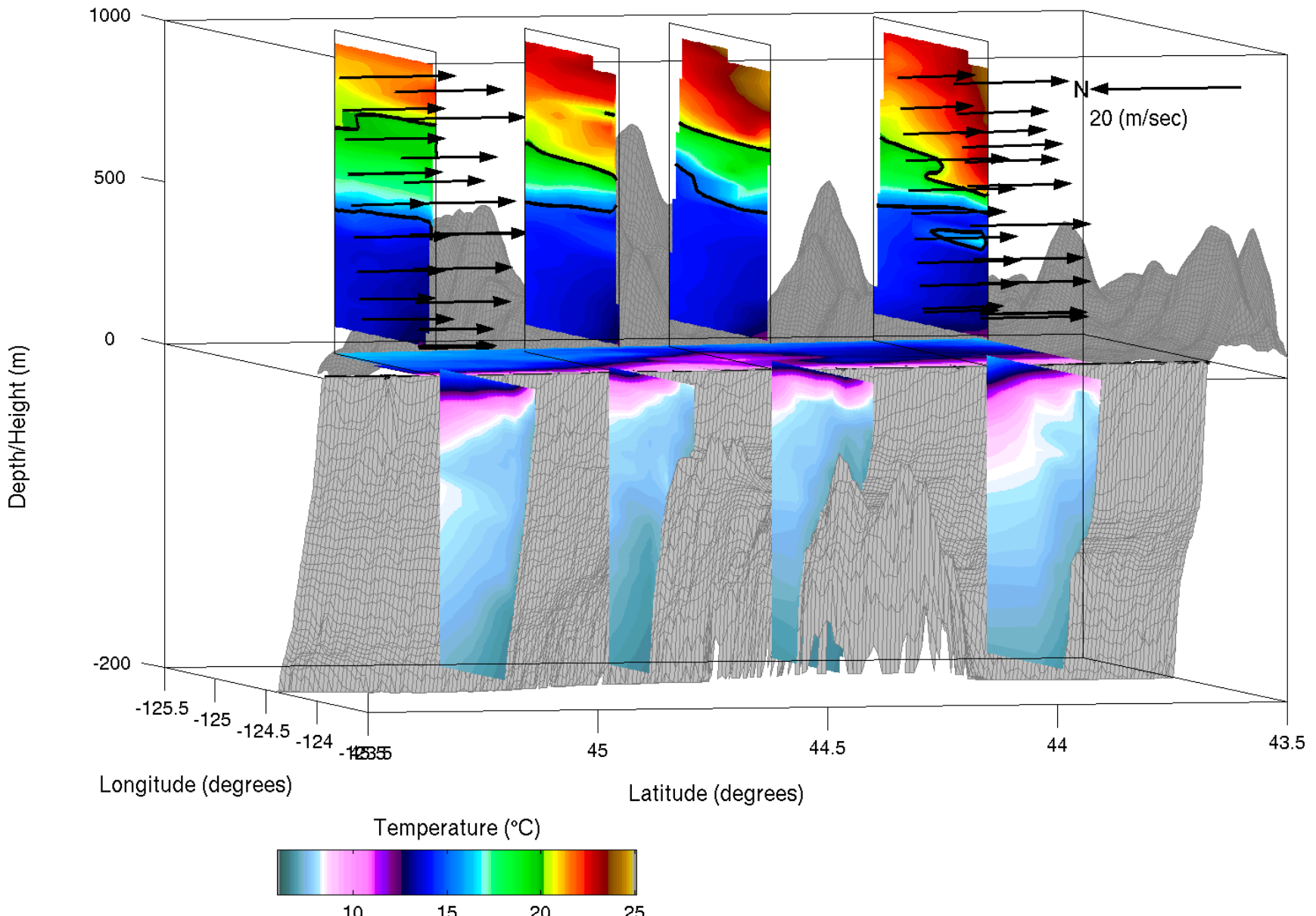


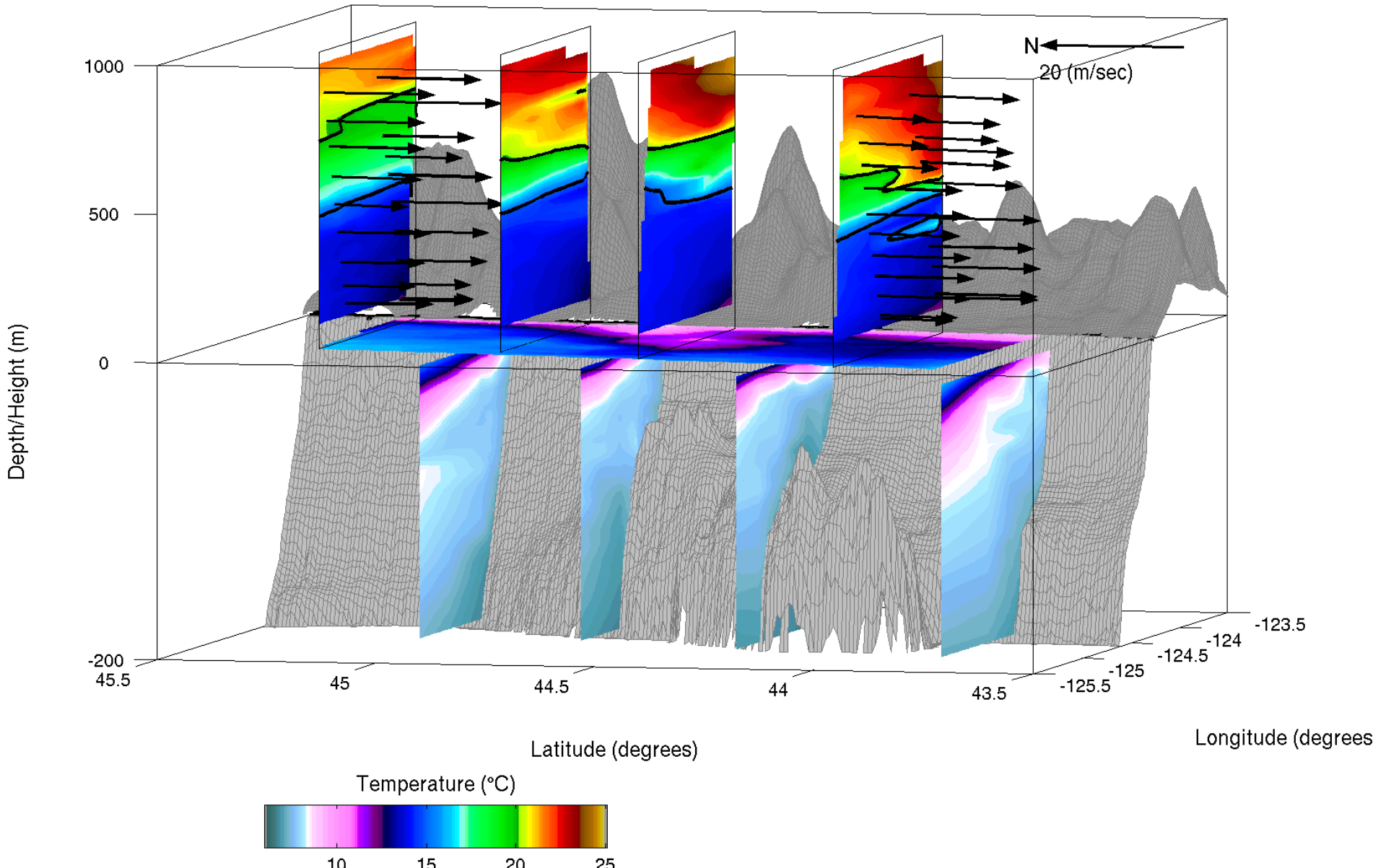
10 15 20 25



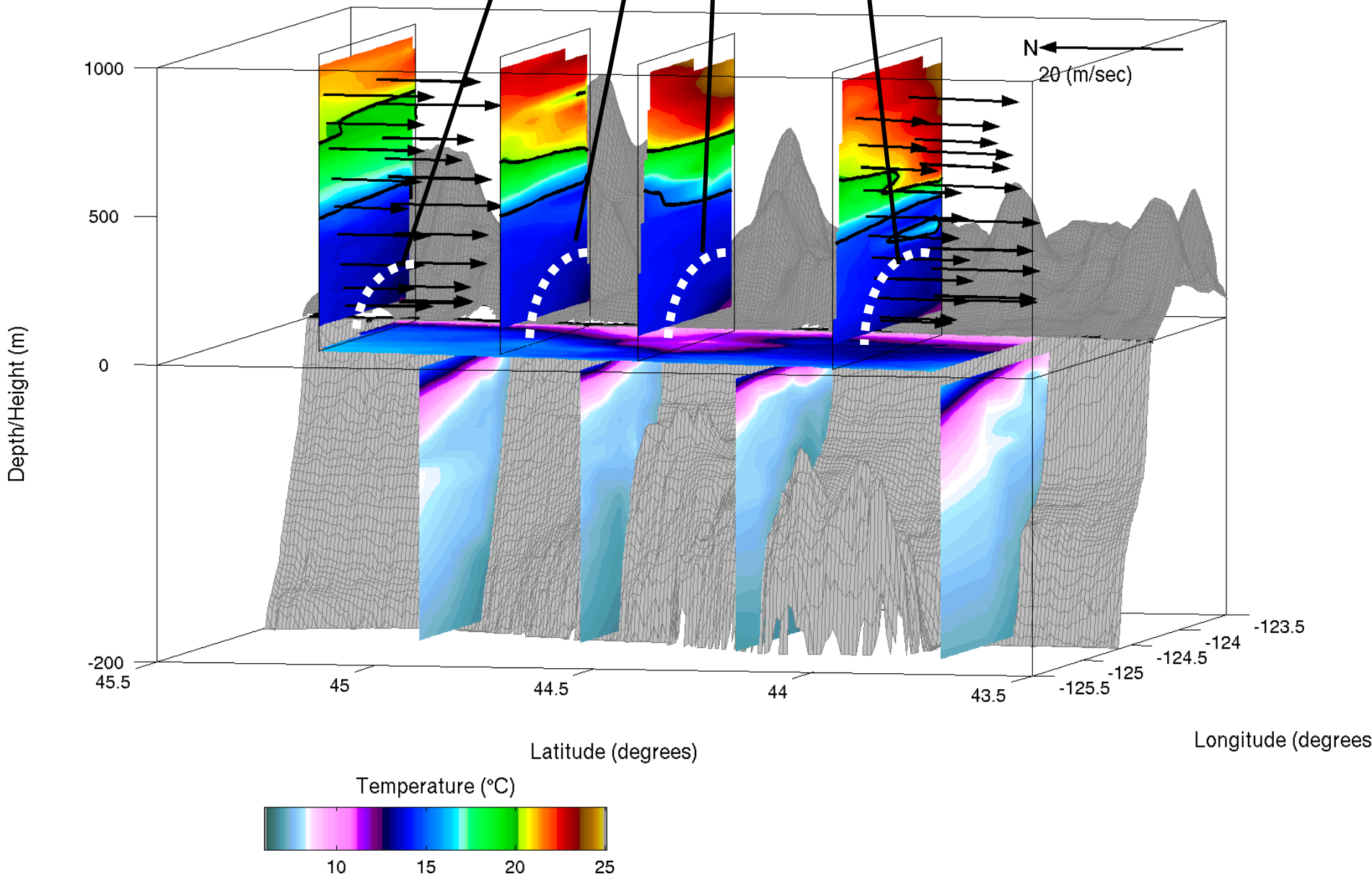
# ATMOSPHERIC TEMPERATURE INVERSION

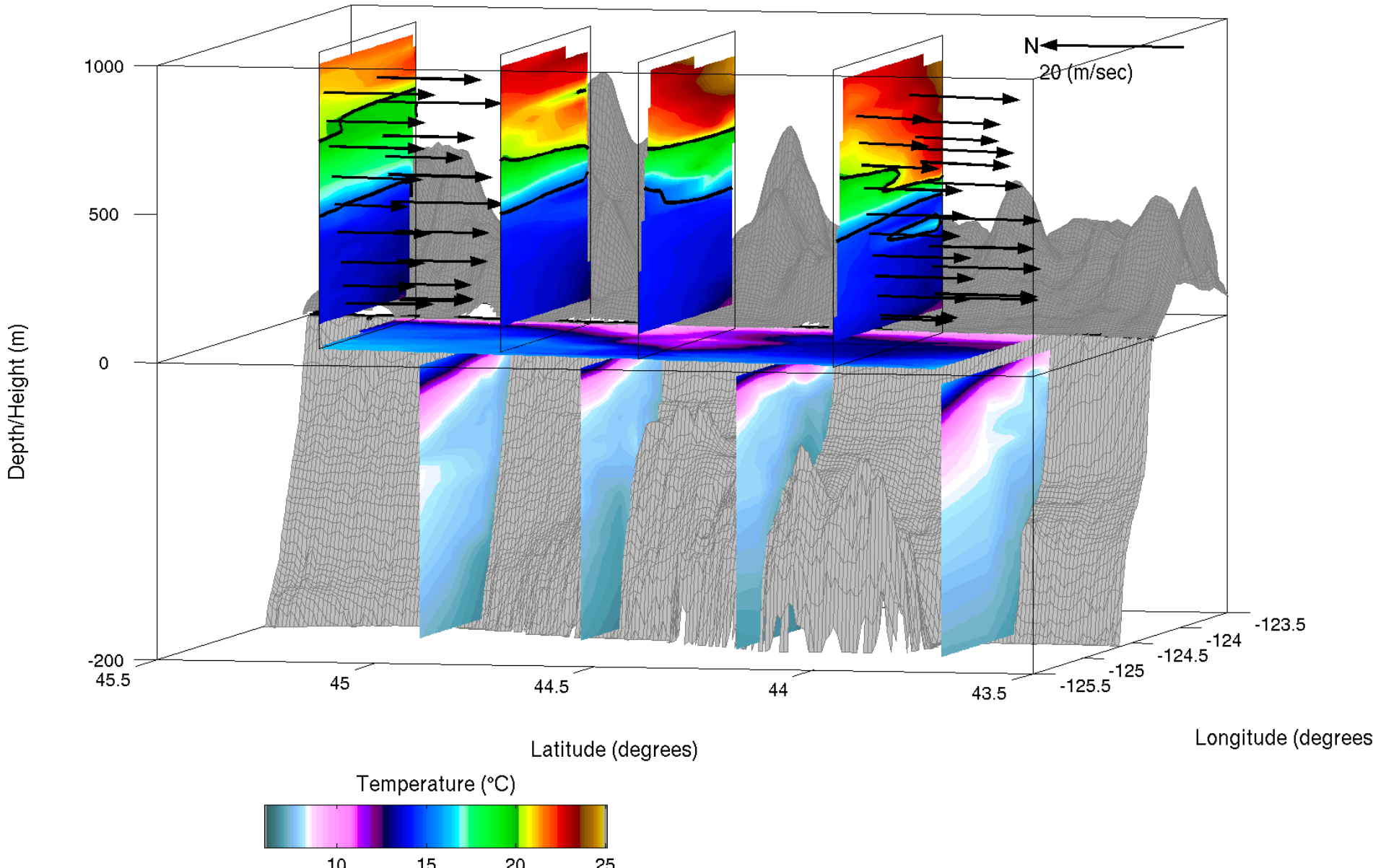


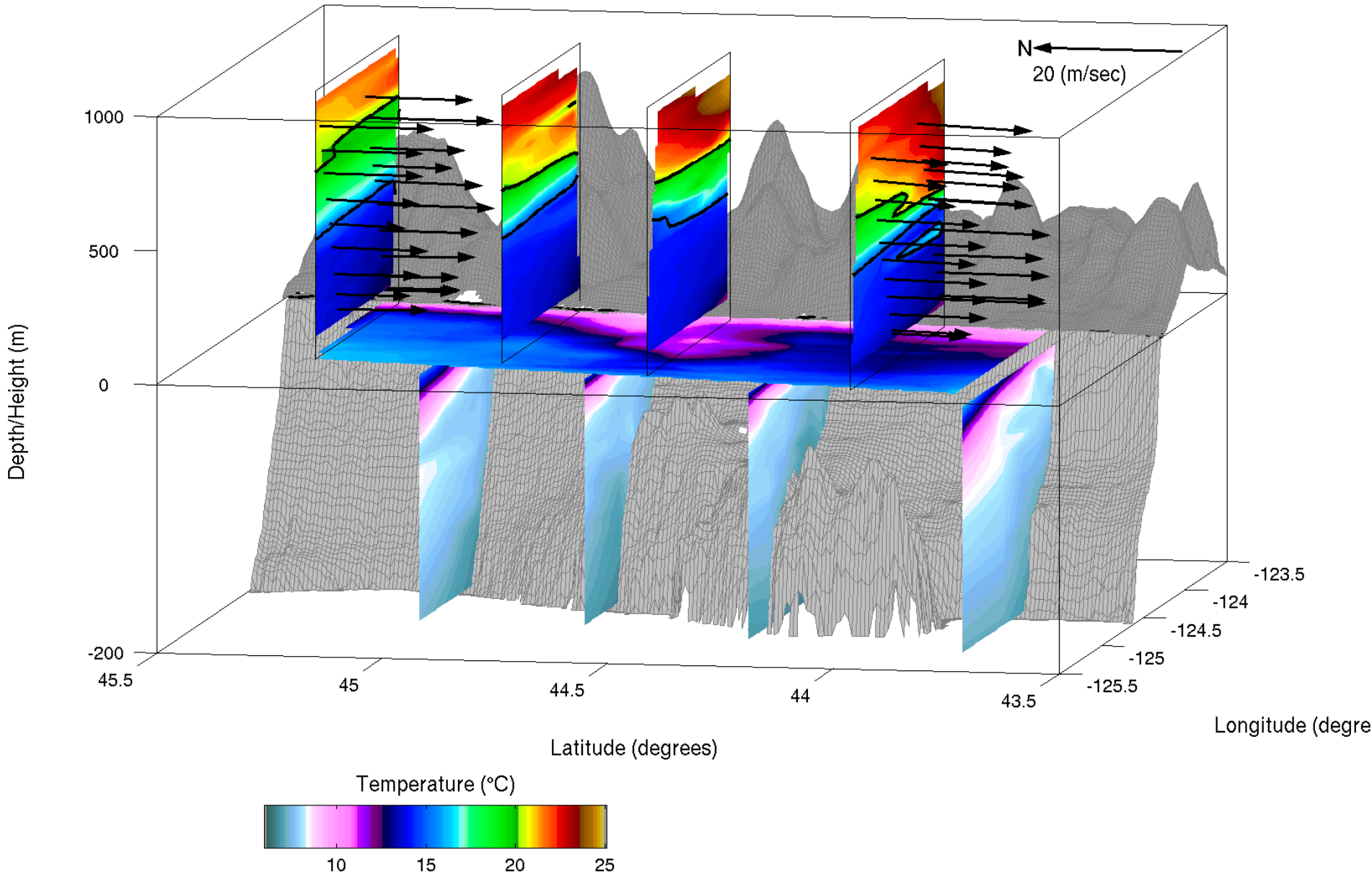


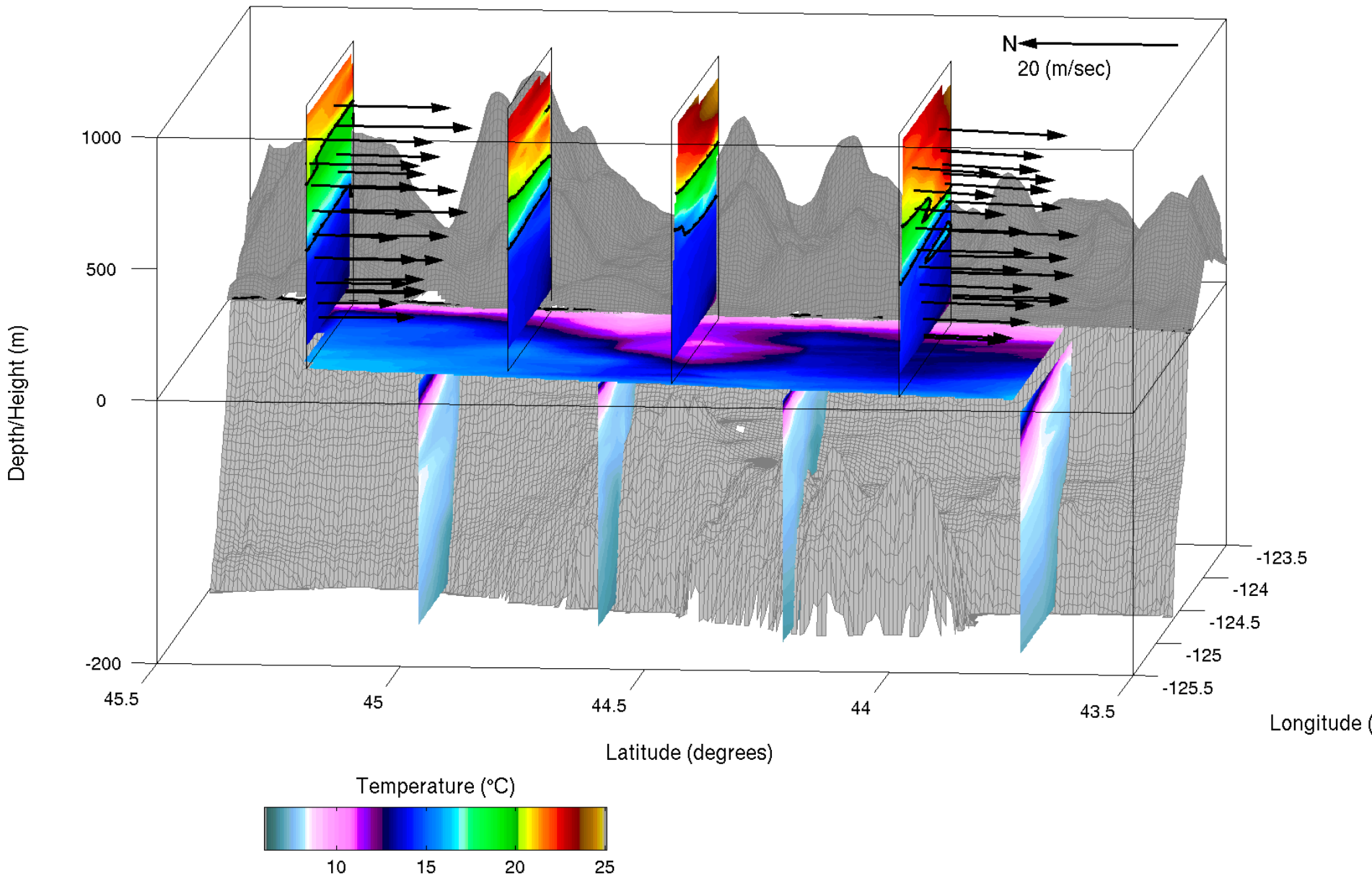


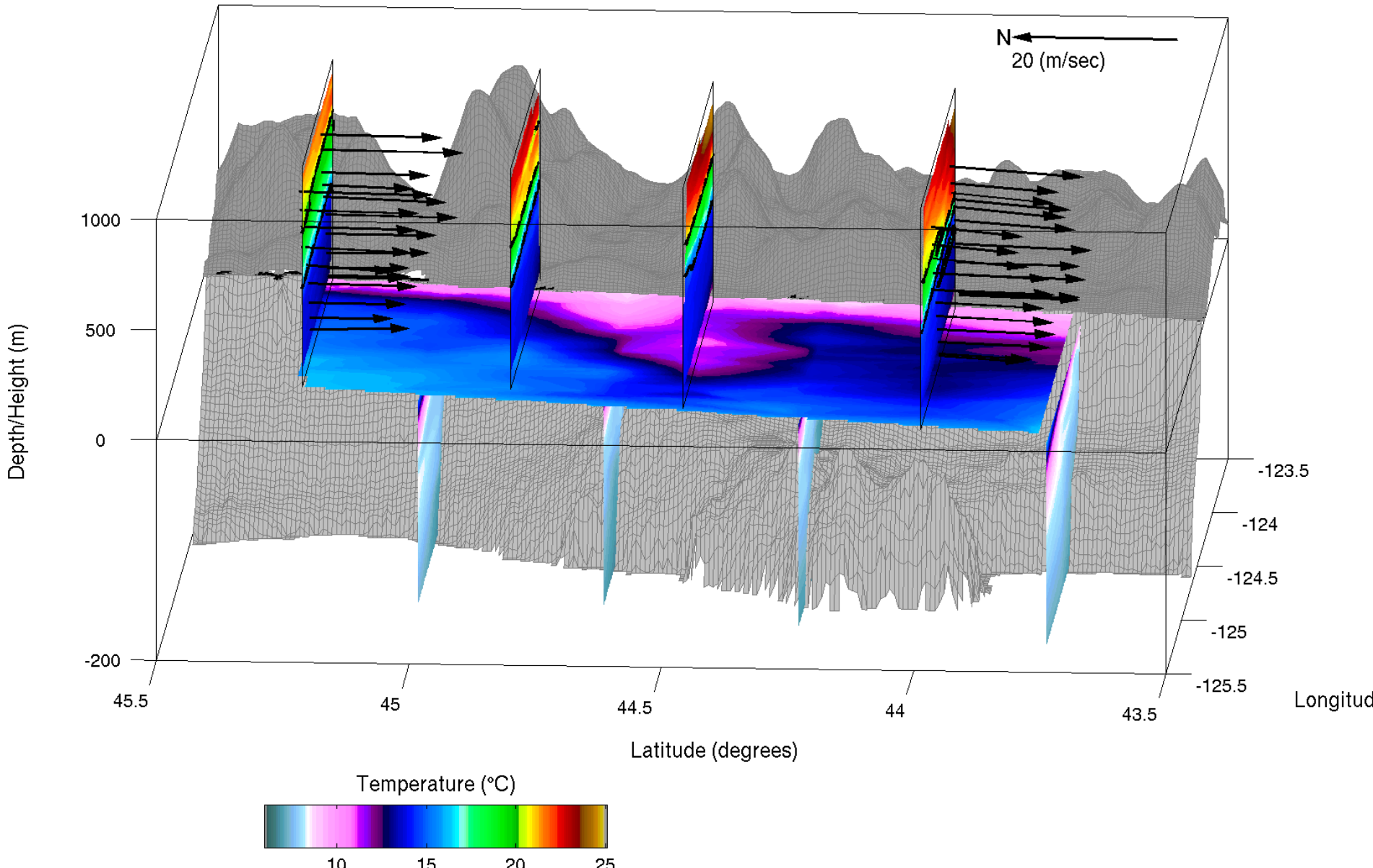
# INTERNAL BOUNDARY LAYER



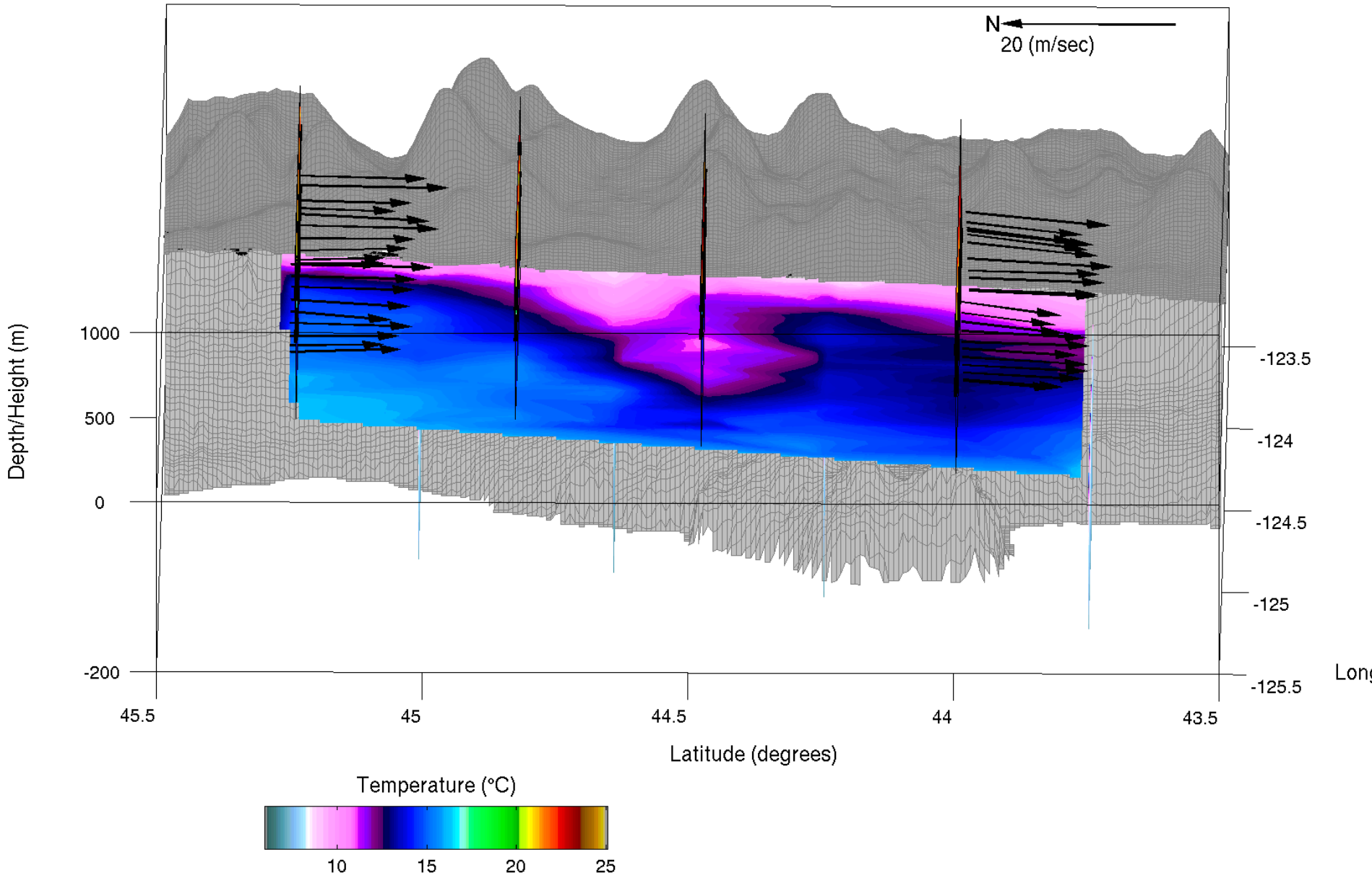


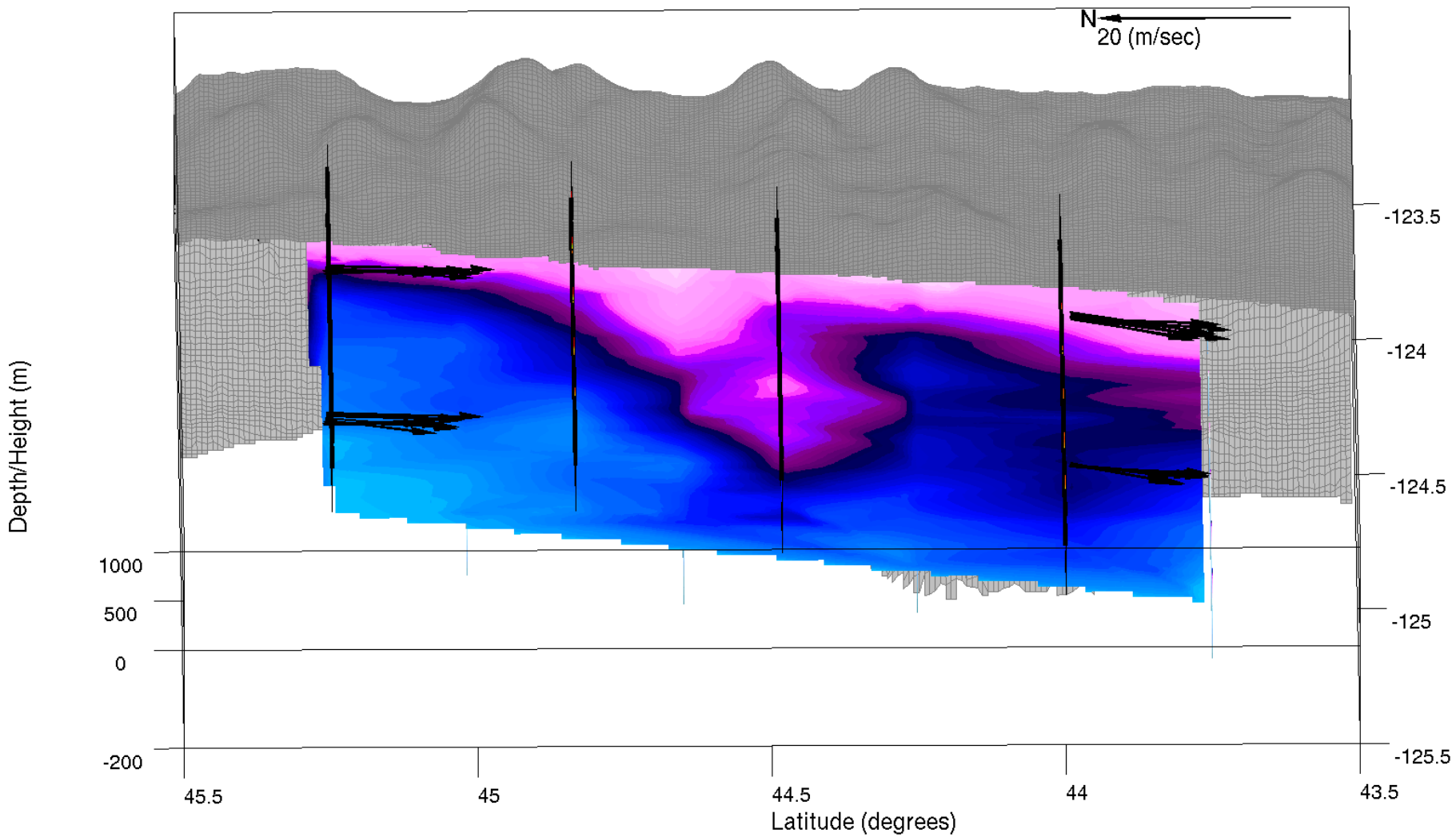


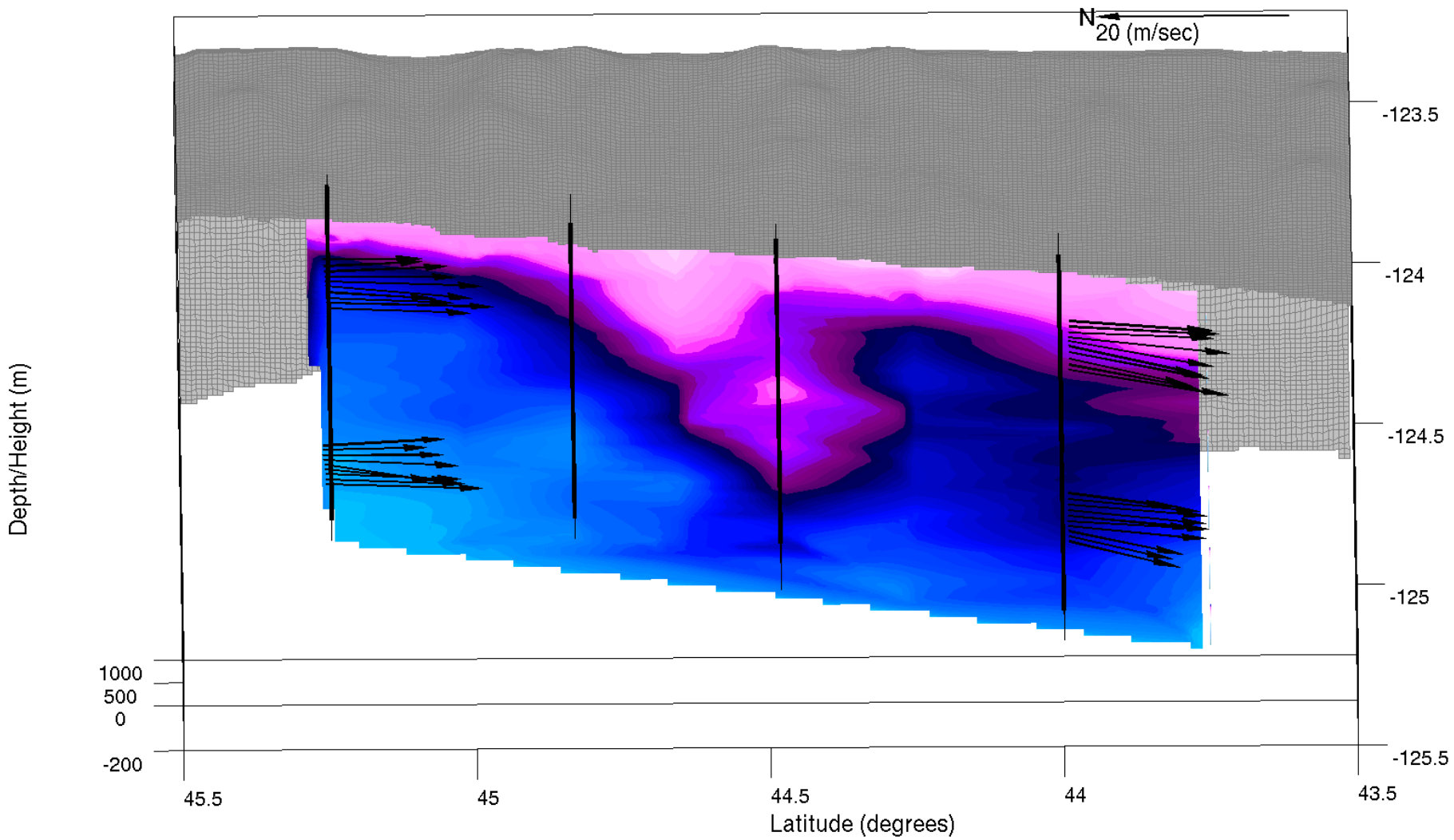


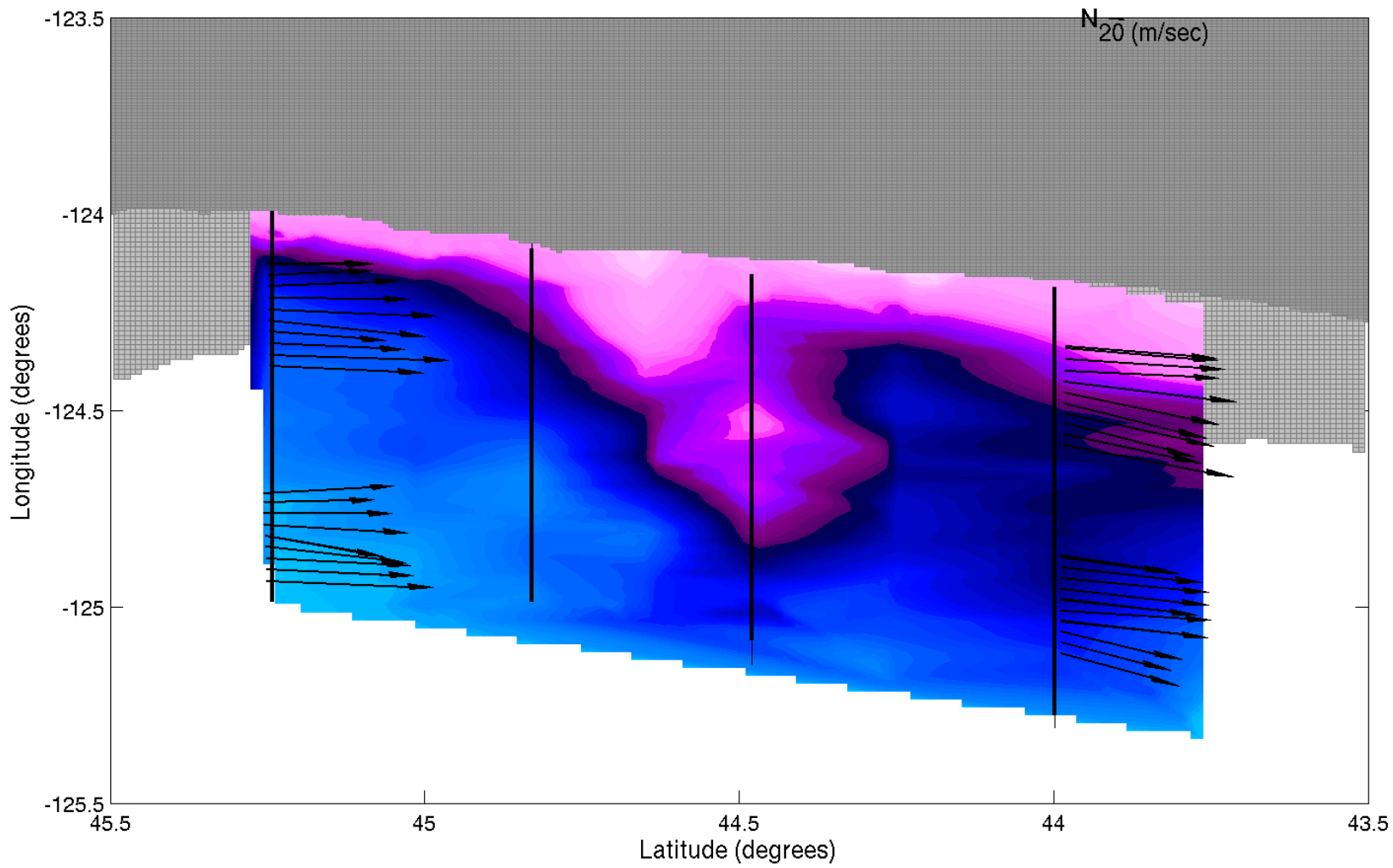


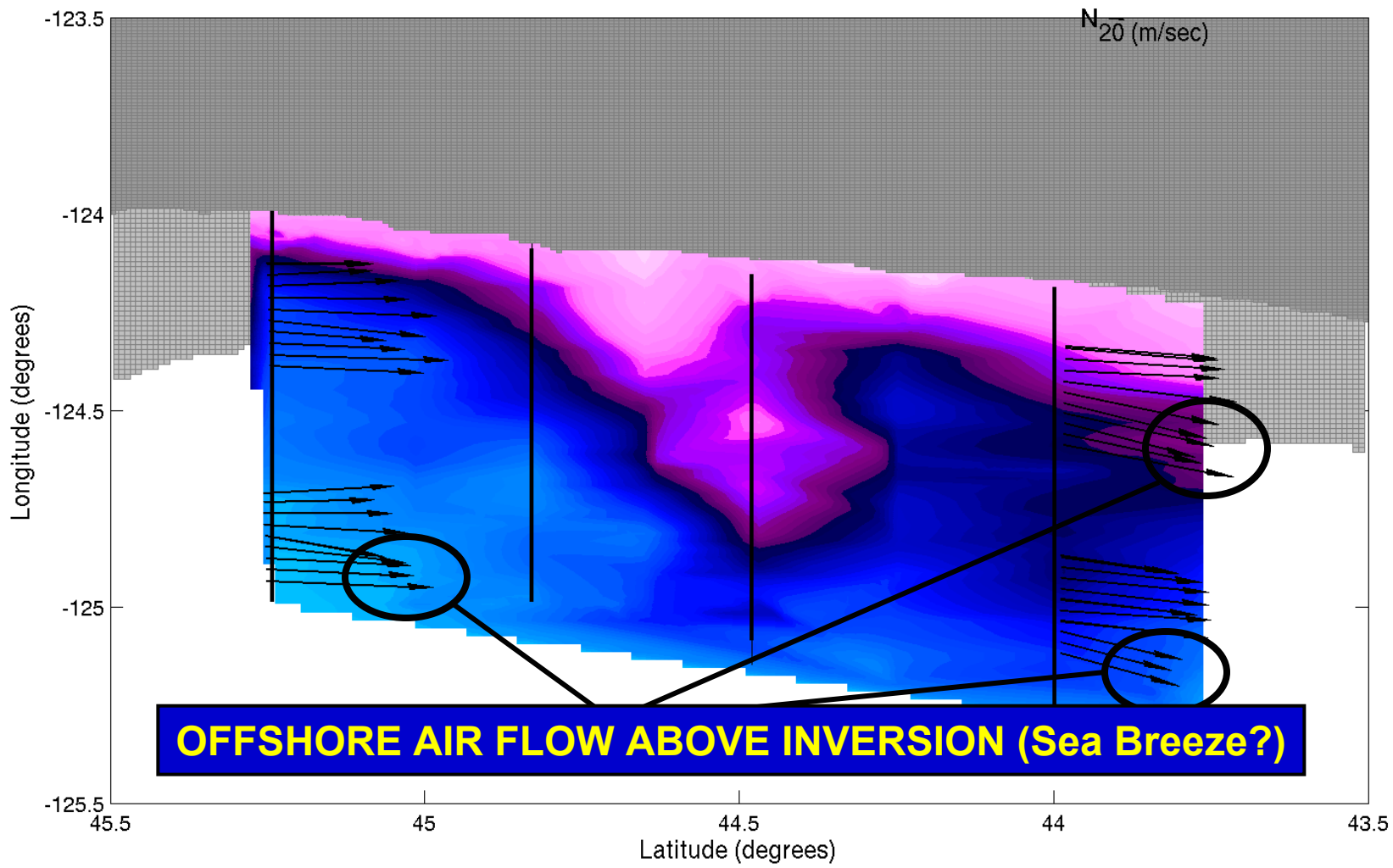


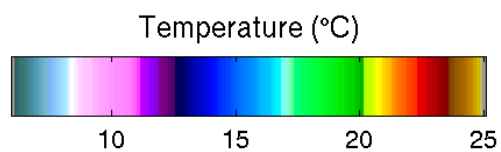
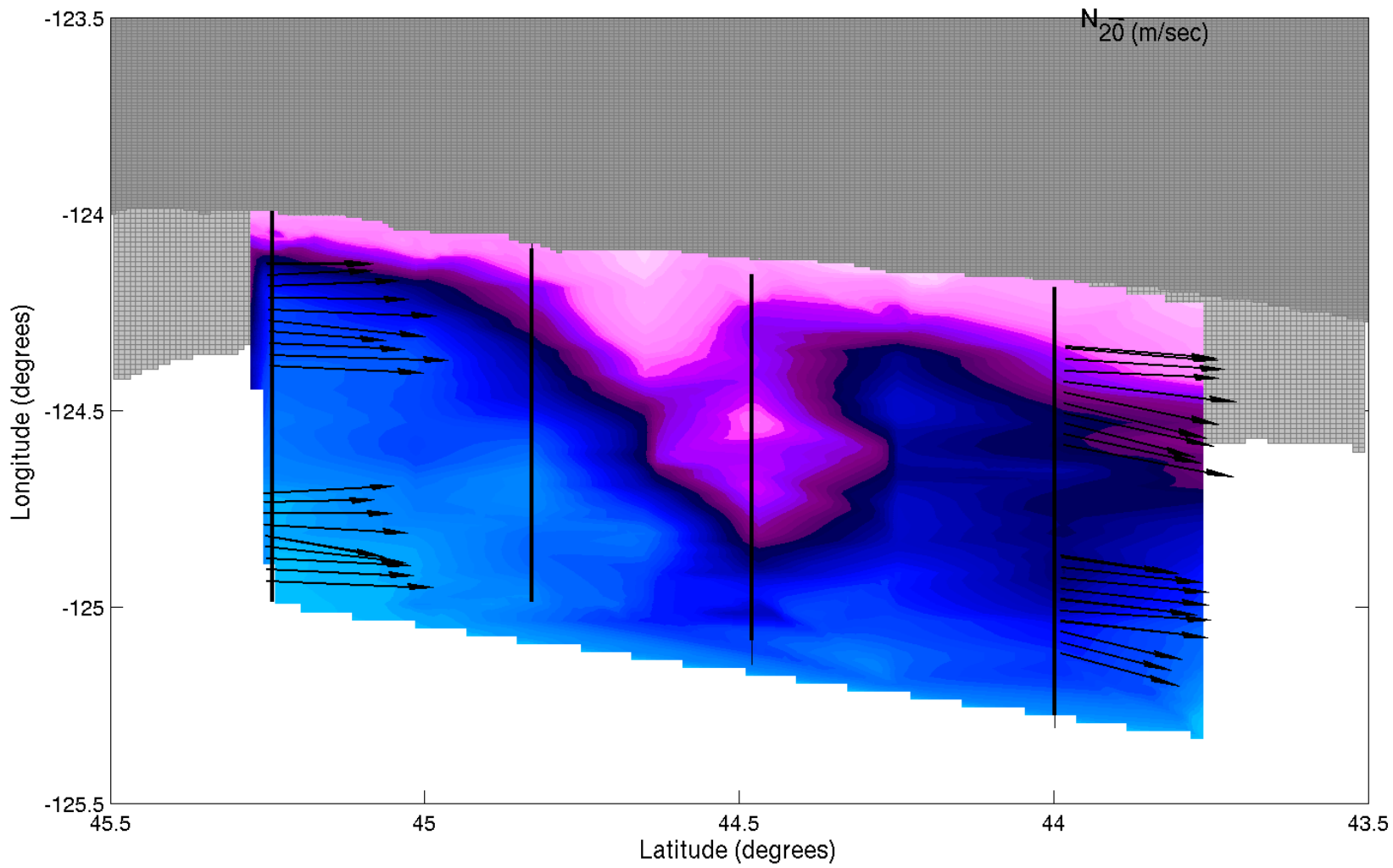


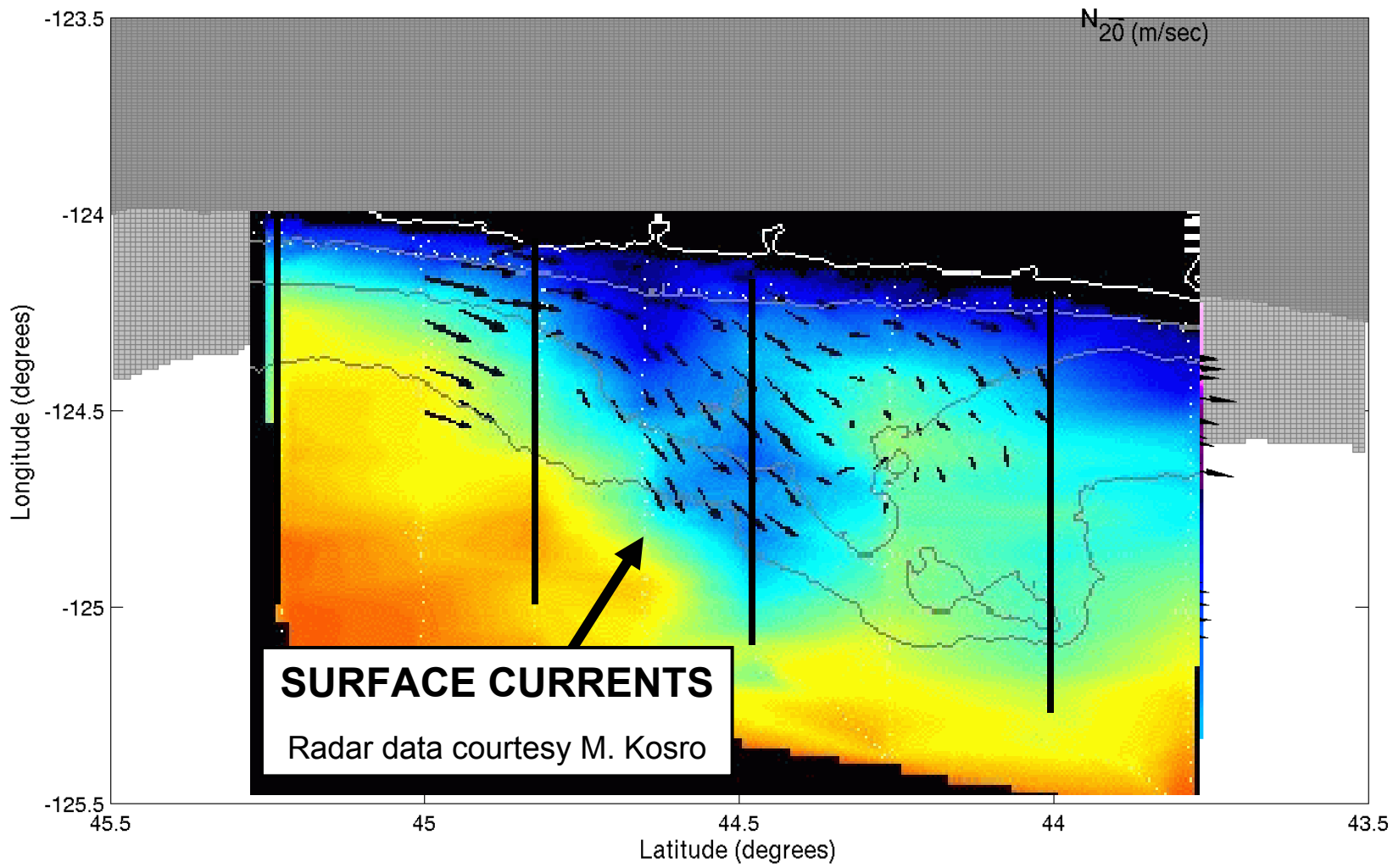


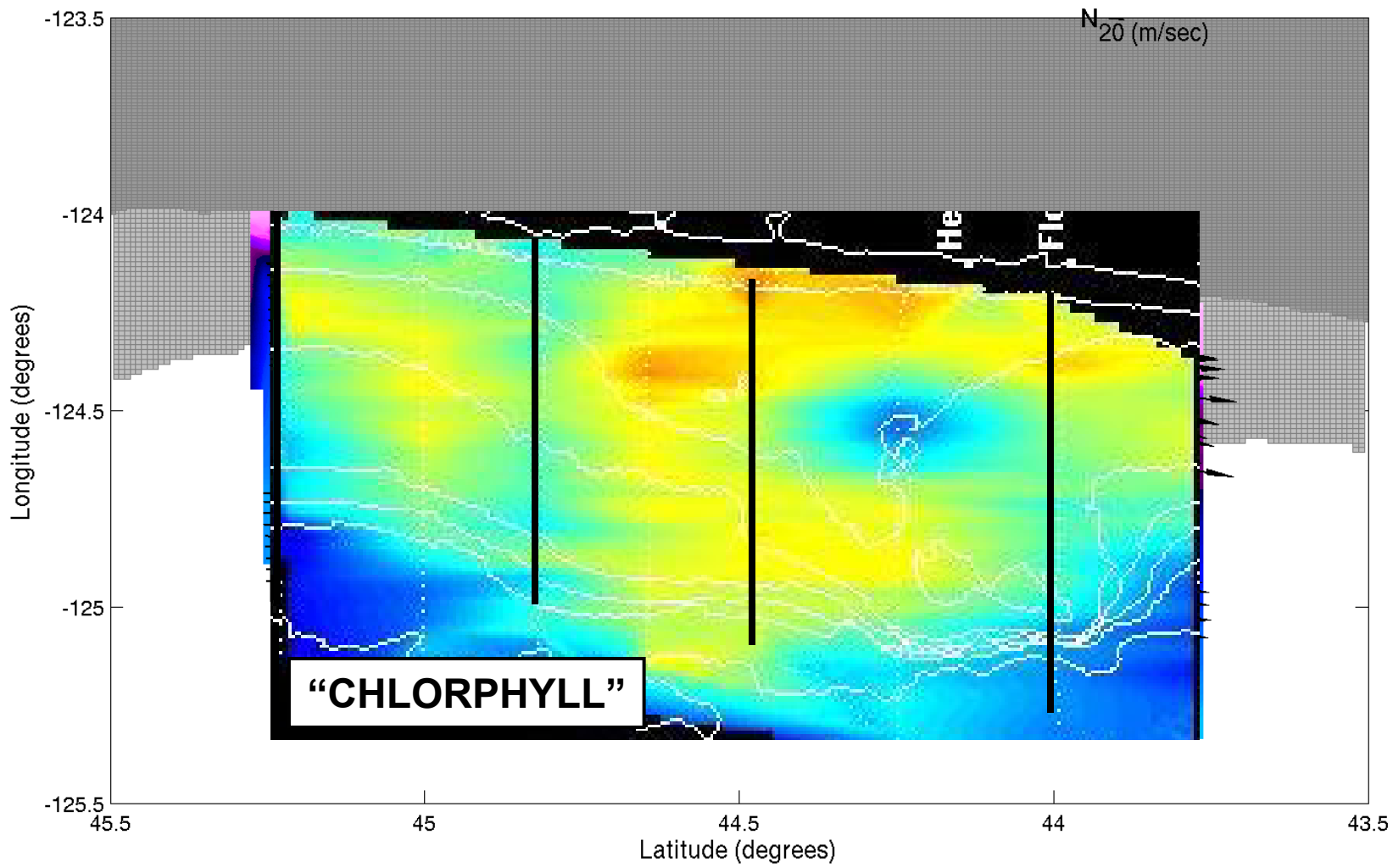




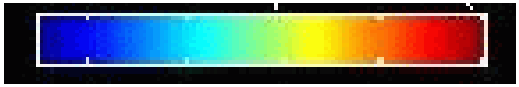




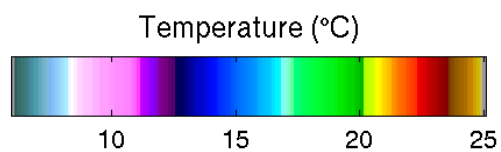
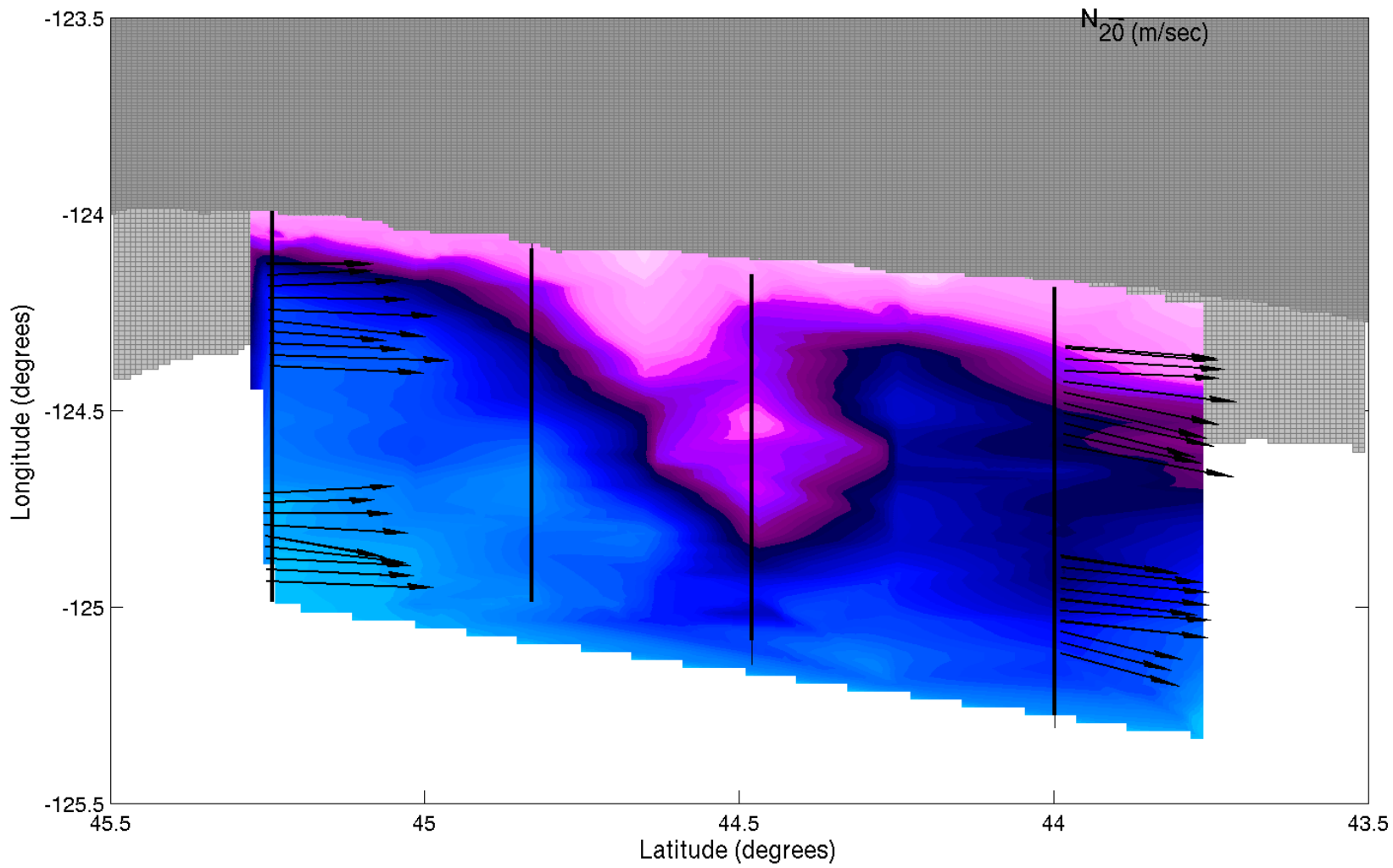


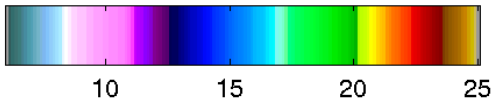
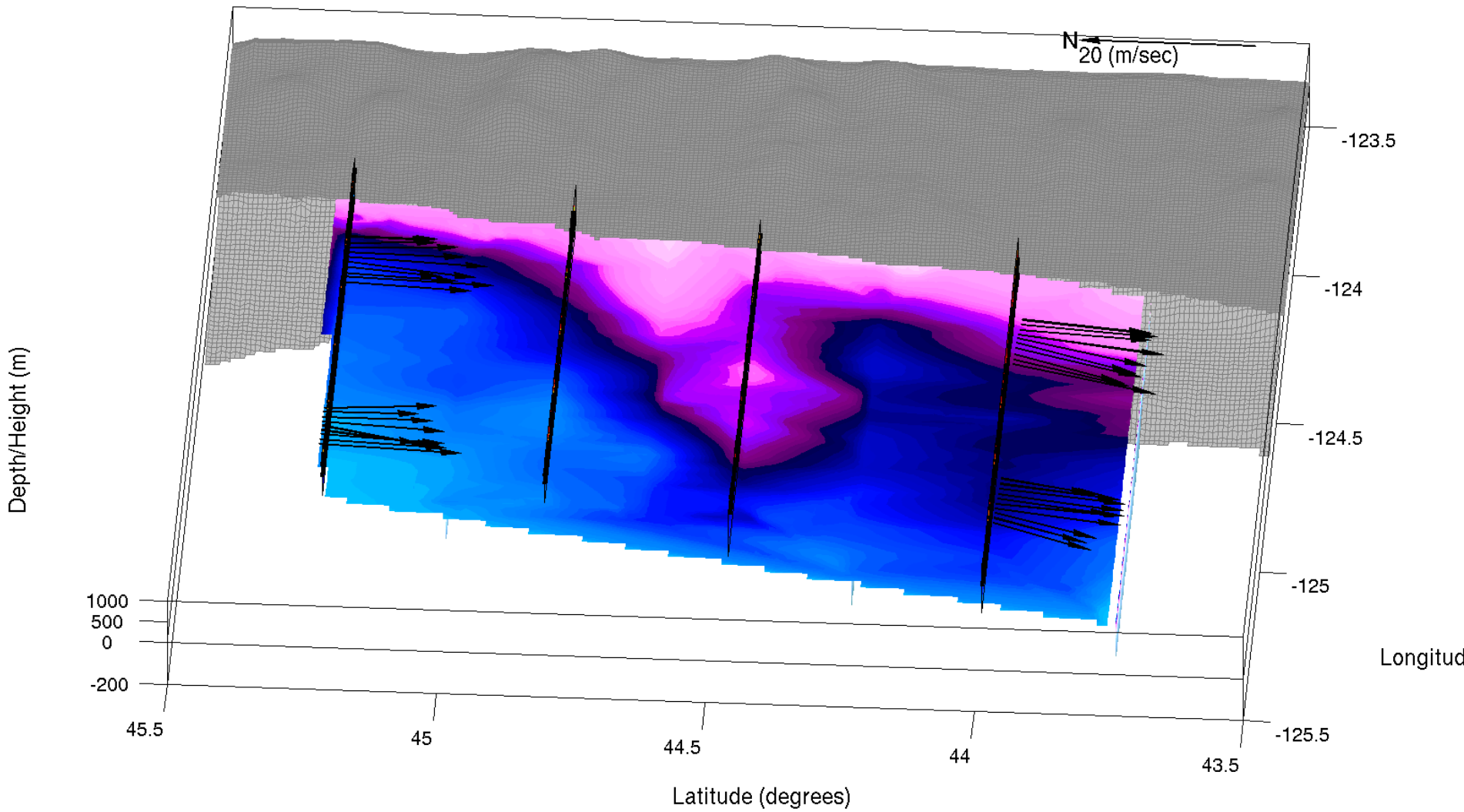


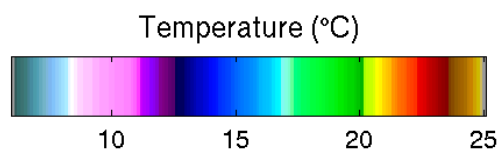
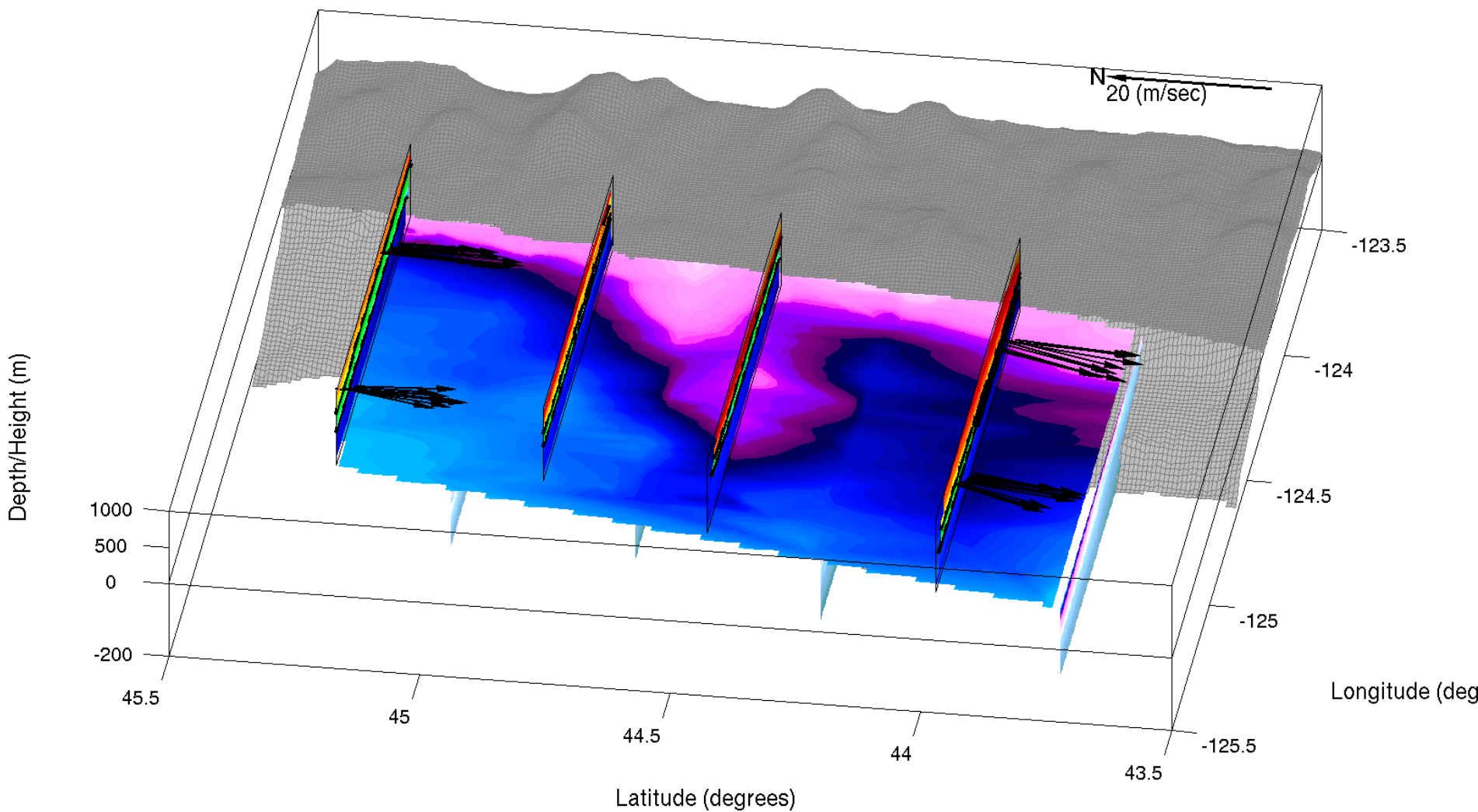
Chlorophyll (relative scale)

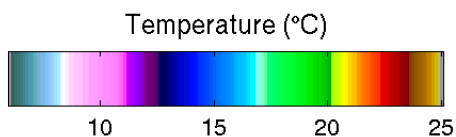
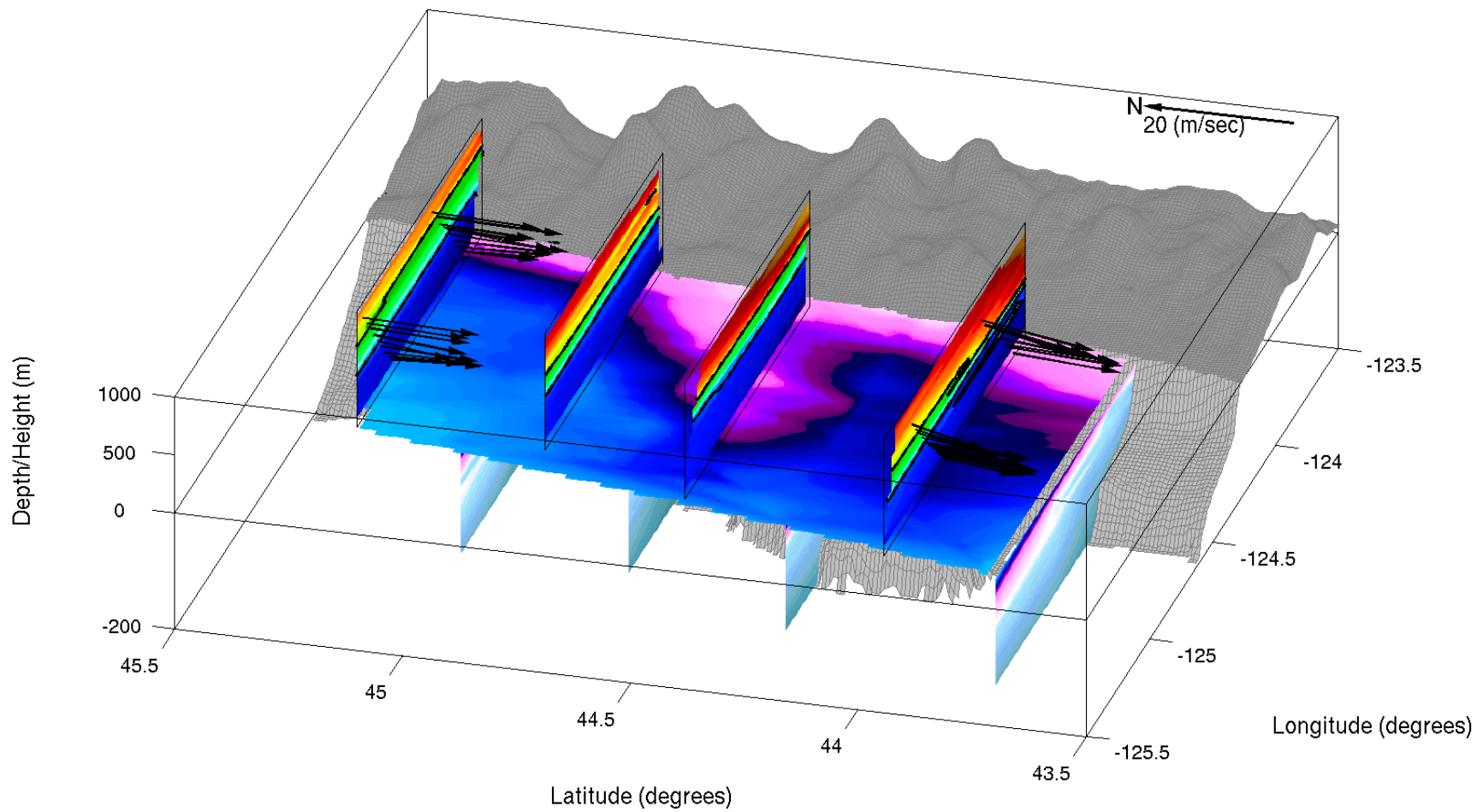


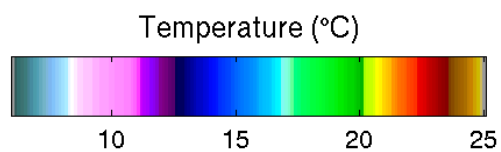
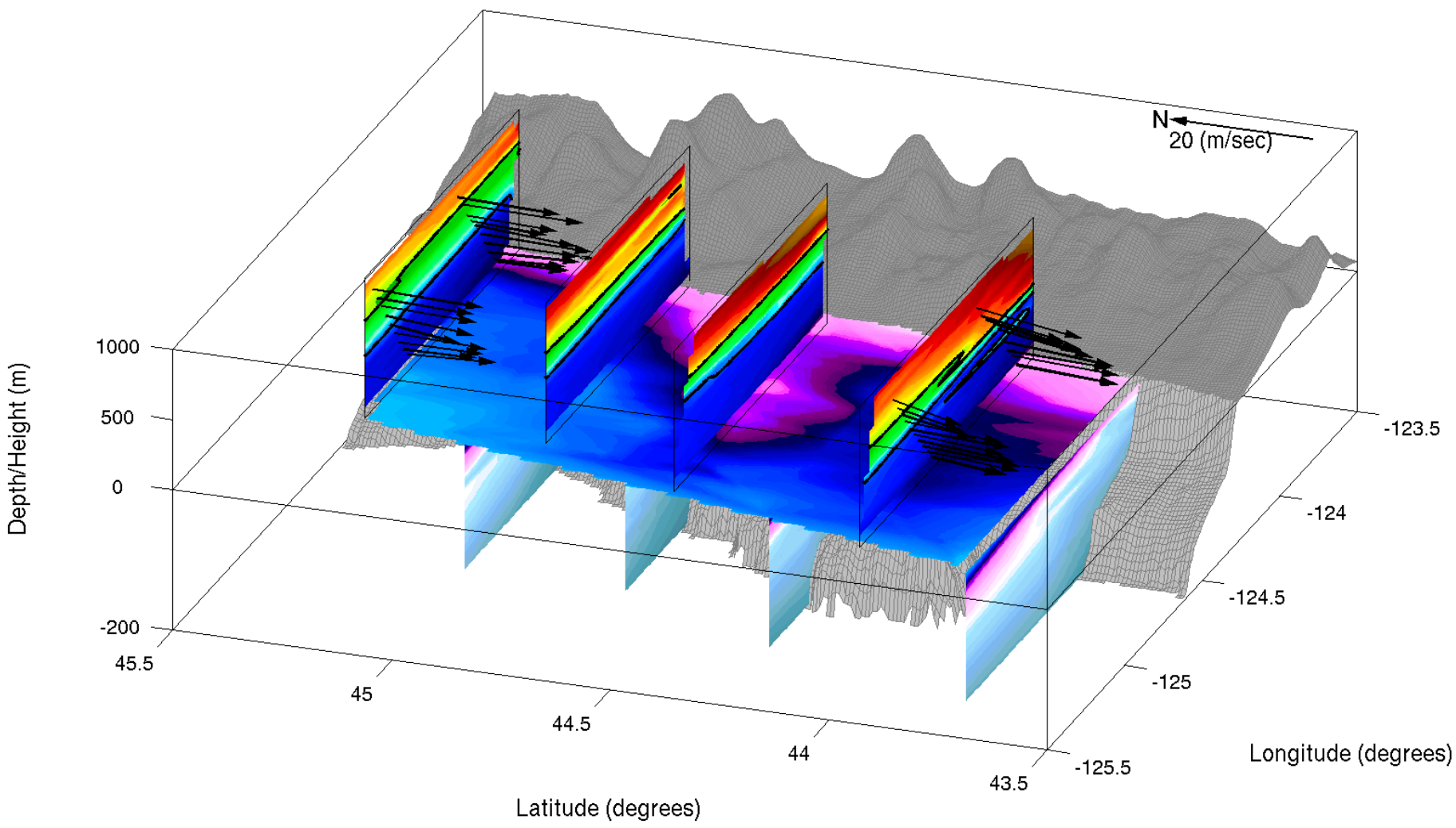


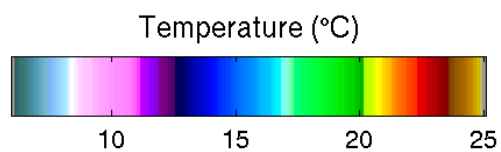
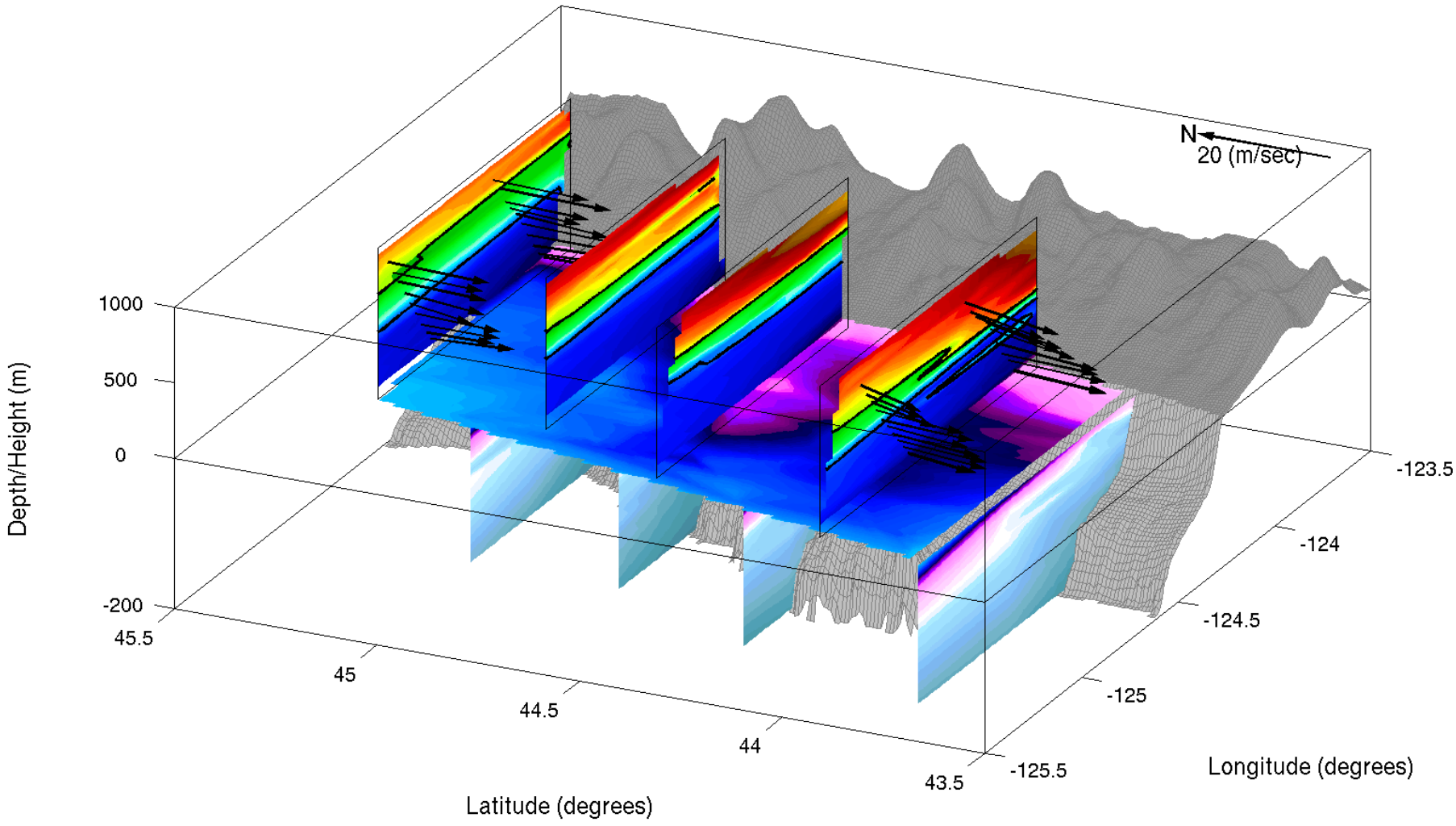


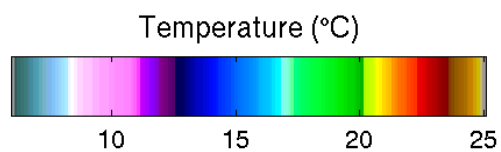
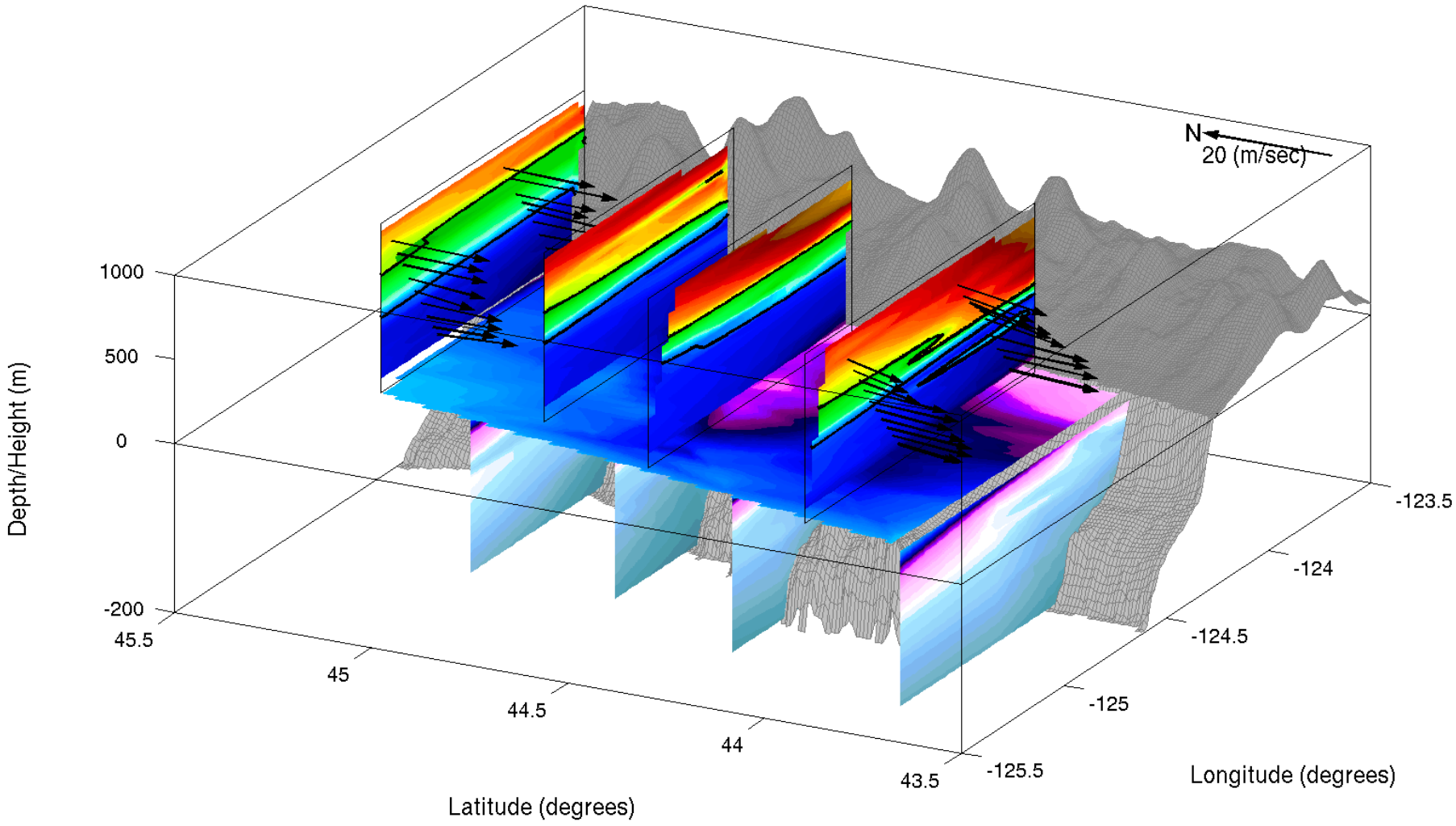


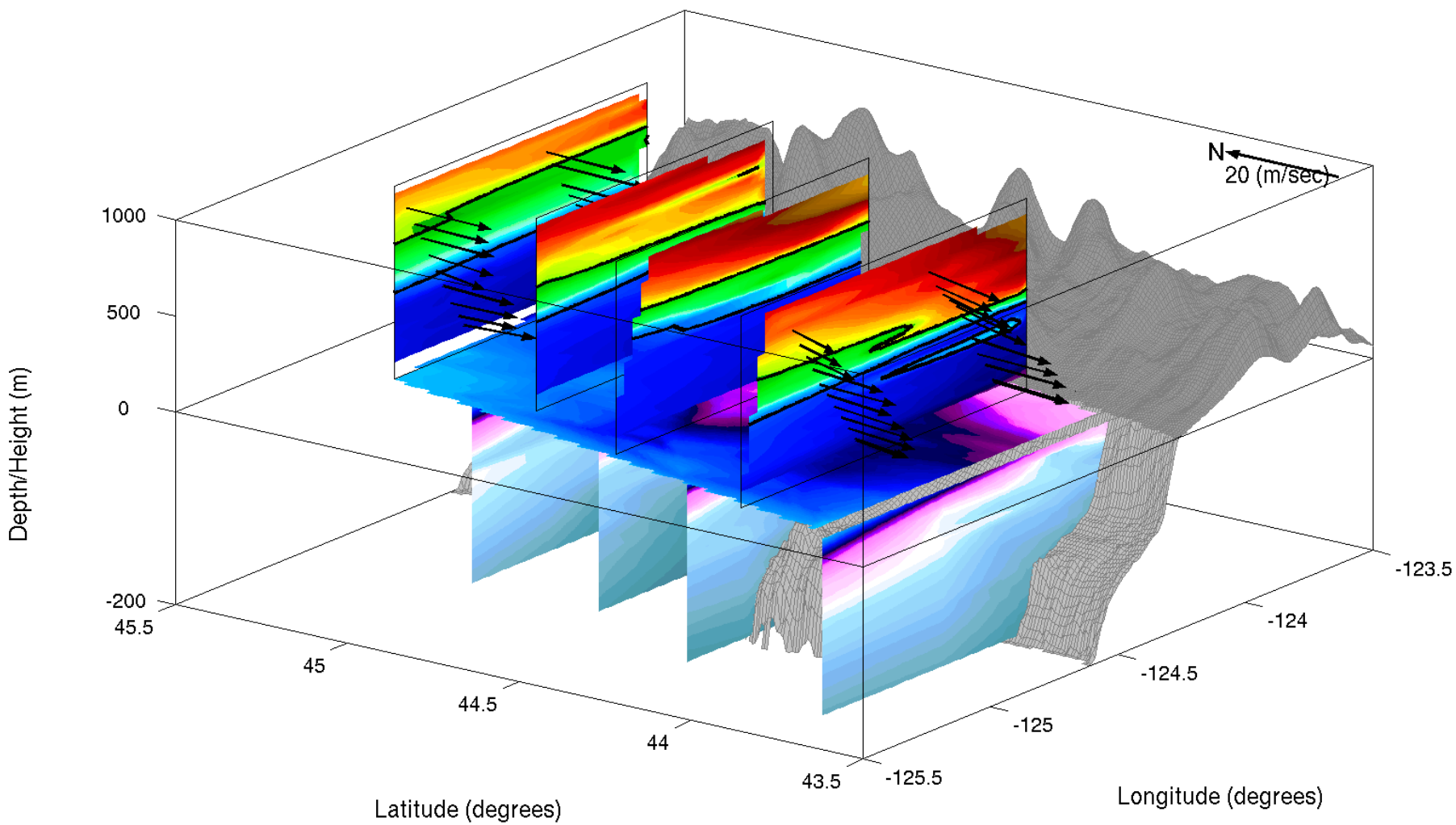








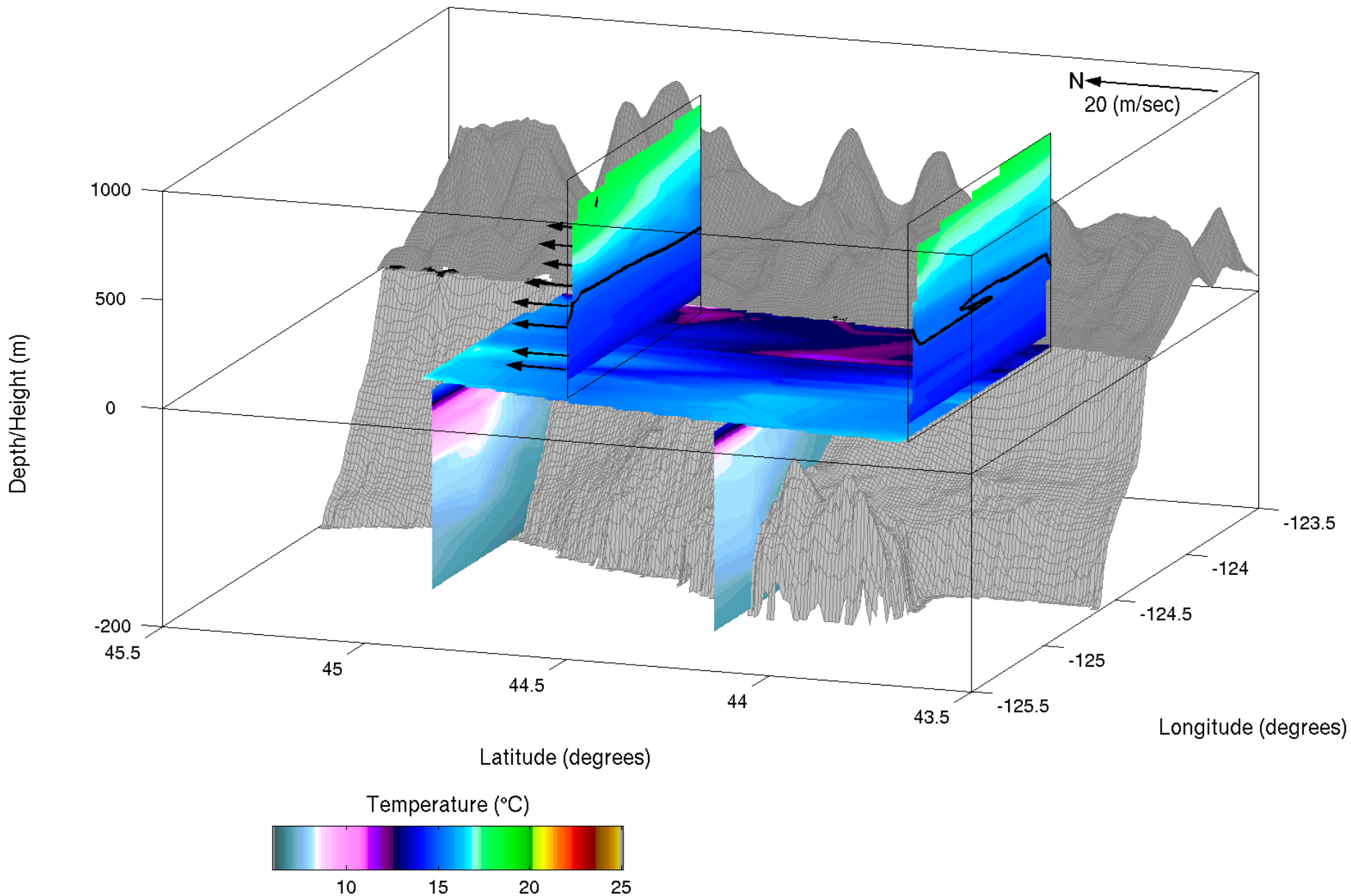






# NORTHWARD WIND CASE

August 1, 2001



**Thanks: Tim Boyd, Sara Haines, Mike Kosro,  
Ricardo Letelier, Murray Levine, Melanie Meaux,  
Elaine Monbureau, Roger Samelson, Yvette Spitz**

