

Ocean Temperatures

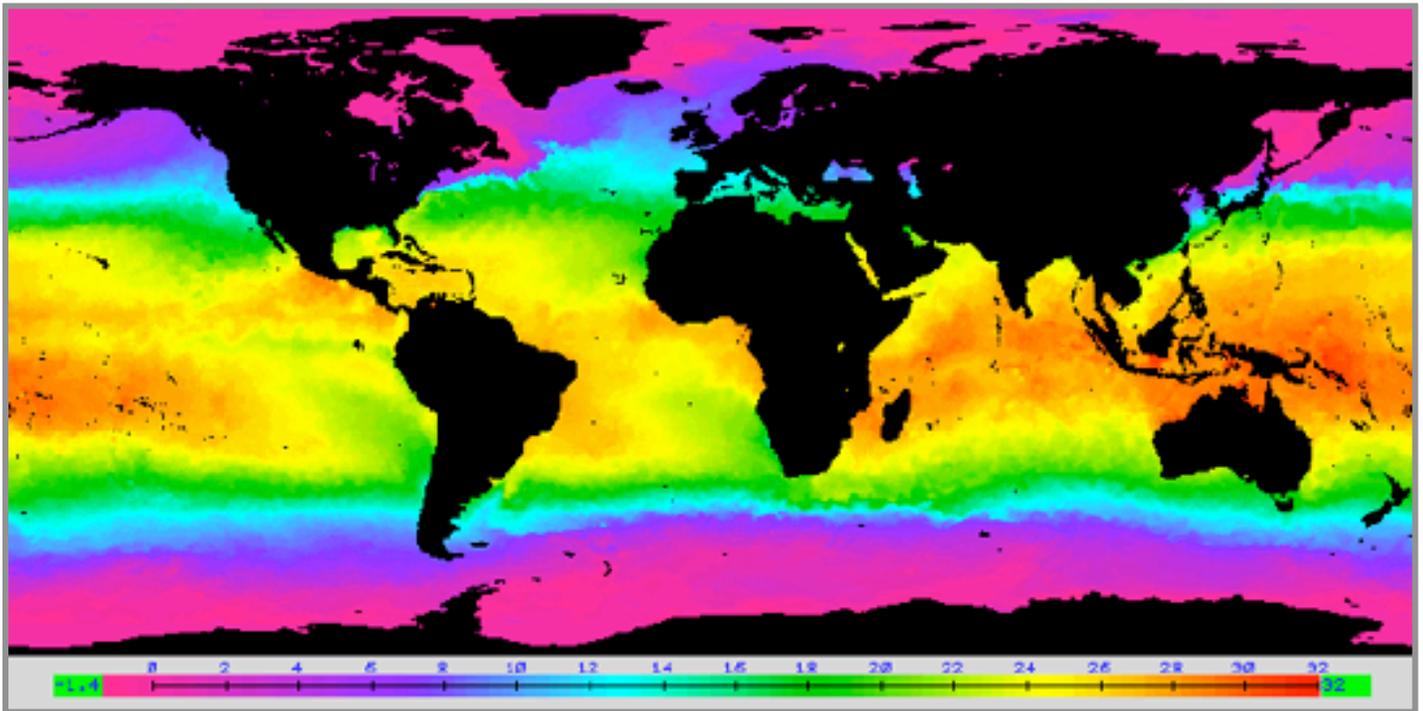


Introduction

The map above shows the average temperature of the ocean in degrees Celsius. Notice the scale (as colors) at the bottom of the map.



Is the ocean's temperature affected by the distance from the equator?



Displaying Data

Select 20 places on the map.
For each place, record the ocean height and the wave height.

80° N	_____	80° S	_____	70° N	_____	70° S	_____
60° N	_____	60° S	_____	50° N	_____	50° S	_____
40° N	_____	40° S	_____	30° N	_____	30° S	_____
20° N	_____	20° S	_____	20° N	_____	20° S	_____
0°	_____						

Average the Northern and Southern hemisphere readings for each latitude.

80°	_____	70°	_____	60°	_____	50°	_____
40°	_____	30°	_____	20°	_____	10°	_____
0°	_____						



Analyzing Data

Graph each temperature value as a function of latitude.

Write a linear equation that best fits the points on your graph.