

Ocean Temperatures

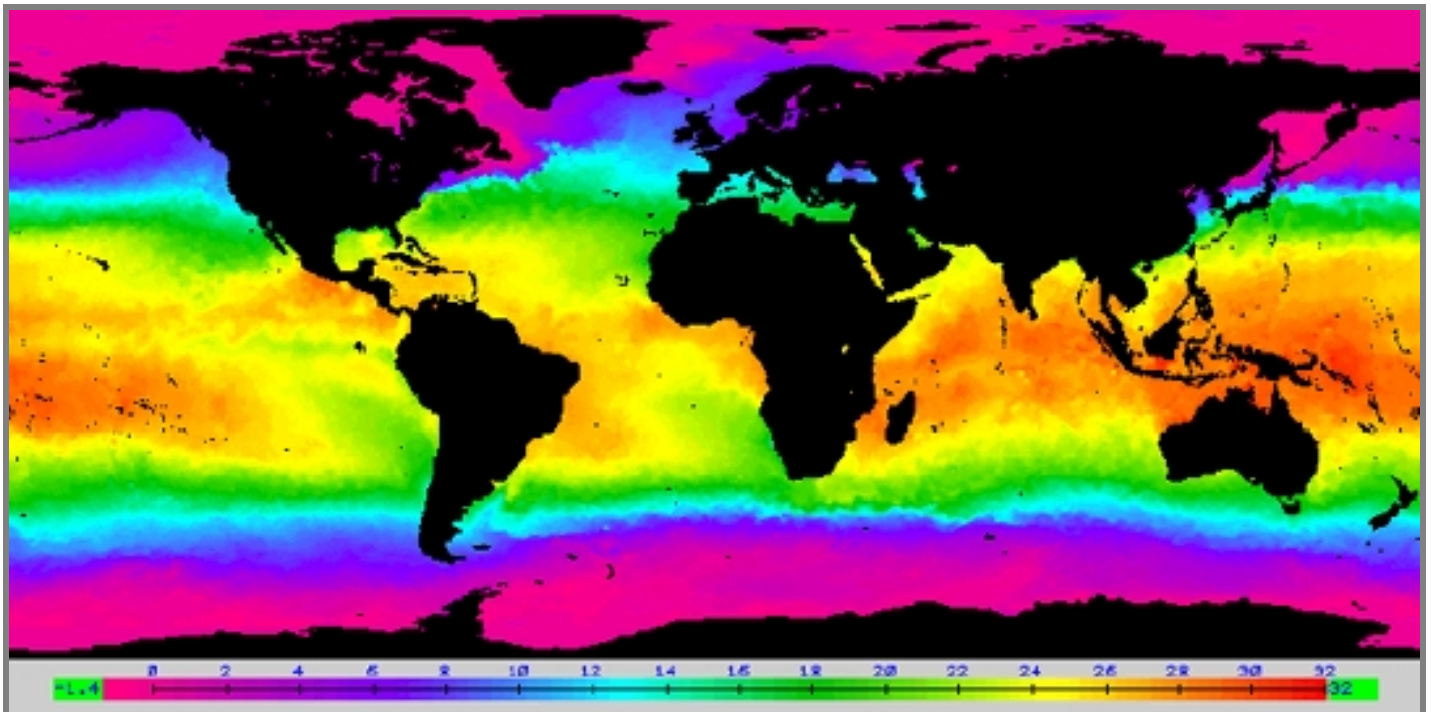


Introduction

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

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.