

Tuesday, January 29, 2019



**Write In Your Agenda:**

CW:

- Practice Graphing High Tides and Low Tides.

HW:

- On your monitoring log, reflect on what you learned today and rate yourself on the learning goal and scale.

**Write In Your Monitoring Log:**

Warm-Up Prompt:


What happens to the water that recedes during low tide?

You will need:

- Pencil.
- Agenda.
- New Monitoring Log (Yellow).


## Learning Goal and Scale

- *TSW be able to describe how the Earth is connected to and affected by other objects in the solar system (including its movement, its relative position to other objects, its seasons, and visible constellations).*

4	In addition to score 3, the student can help teach or mentor his/her peers and describe between annual patterns as experienced on Earth.
 3	TSW be able to describe how the Earth is connected to and affected by other objects in the solar system including all of the following: <ul style="list-style-type: none"><li>o Its movement</li><li>o Its relative position to other objects</li><li>o Its seasons</li><li>o Visible constellations</li></ul>
2	TSW be able to describe how the Earth is connected to and affected by other objects in the solar system (including 2 of the 4 requirements): <ul style="list-style-type: none"><li>o Its movement,</li><li>o Its relative position to other objects</li><li>o Seasons</li><li>o Visible constellations</li></ul>
1	TSW be able to describe how the Earth is connected to and affected by other objects in the solar system (including 1 of the 4 requirements): <ul style="list-style-type: none"><li>o Its movement,</li><li>o Its relative position to other objects,</li><li>o Seasons, and</li><li>o Visible constellations</li></ul>
0	Even with help, the student experiences no success.

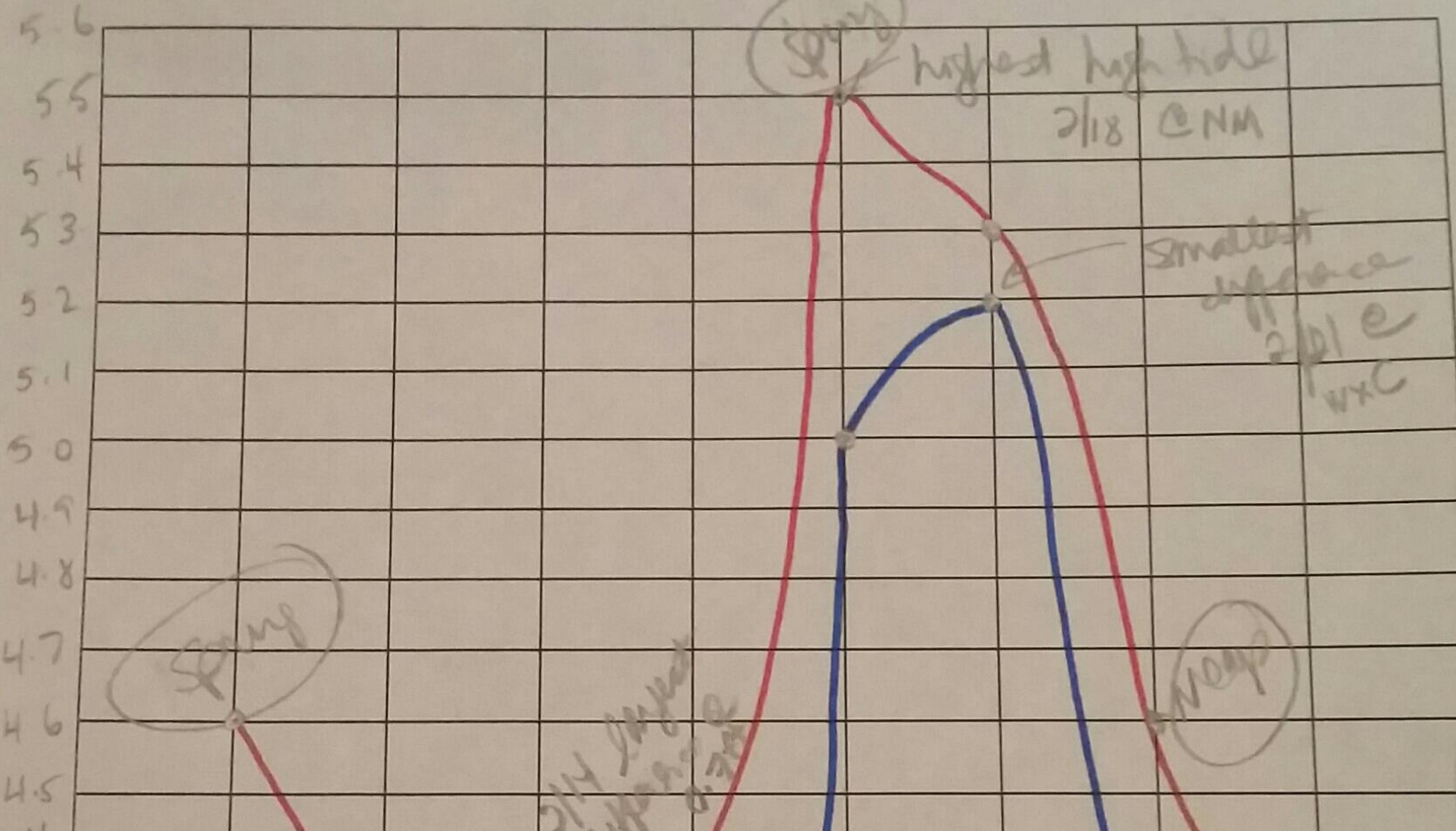
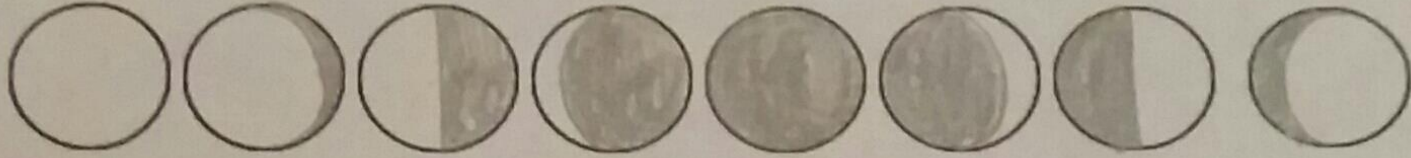
## Learning Goal and Scale

- *TSW be able to describe the relationship between the Earth and the moon (including the phases of the moon, ocean tides, and eclipses).*

	<b>4</b>	In addition to score 3, the student can help teach or mentor his/her peers and describe the connections between the three phenomena.
	<b>3</b>	TSW be able to describe the relationship between the Earth and the moon including all of the following: <ul style="list-style-type: none"><li>o The phases of the moon</li><li>o ocean tides</li><li>o eclipses</li></ul>
	<b>2</b>	TSW be able to describe the relationship between the Earth and the moon (including 2 of the 3 requirements): <ul style="list-style-type: none"><li>o Phases of the moon</li><li>o Ocean tides</li><li>o Eclipses</li></ul>
	<b>1</b>	TSW be able to describe the relationship between the Earth and the moon (including 1 of the 3 requirements): <ul style="list-style-type: none"><li>o Phases of the moon</li><li>o Ocean tides</li><li>o Eclipses</li></ul>
	<b>0</b>	Even with help, the student experiences no success.

Name Ken Date \_\_\_\_\_ Class \_\_\_\_\_

Graphing High Tides & Moon Phases



ft. in. above

Spring

Spring

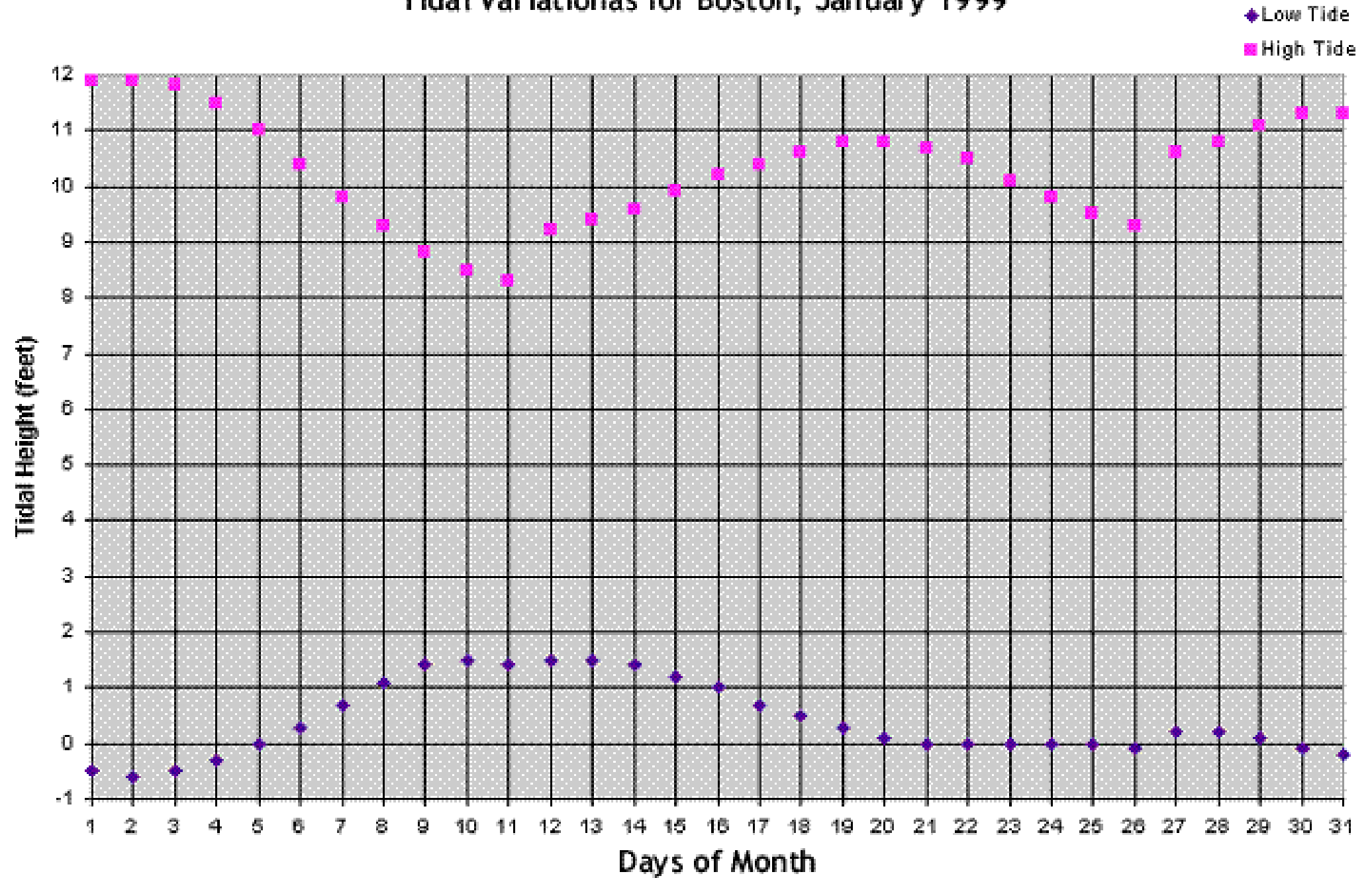
highest high tide  
2/18 @ NM

smallest difference  
2/1 @ WXC

Neap

on Feb 1st

# Tidal Variations for Boston, January 1999



<https://www.saltwatertides.com/>