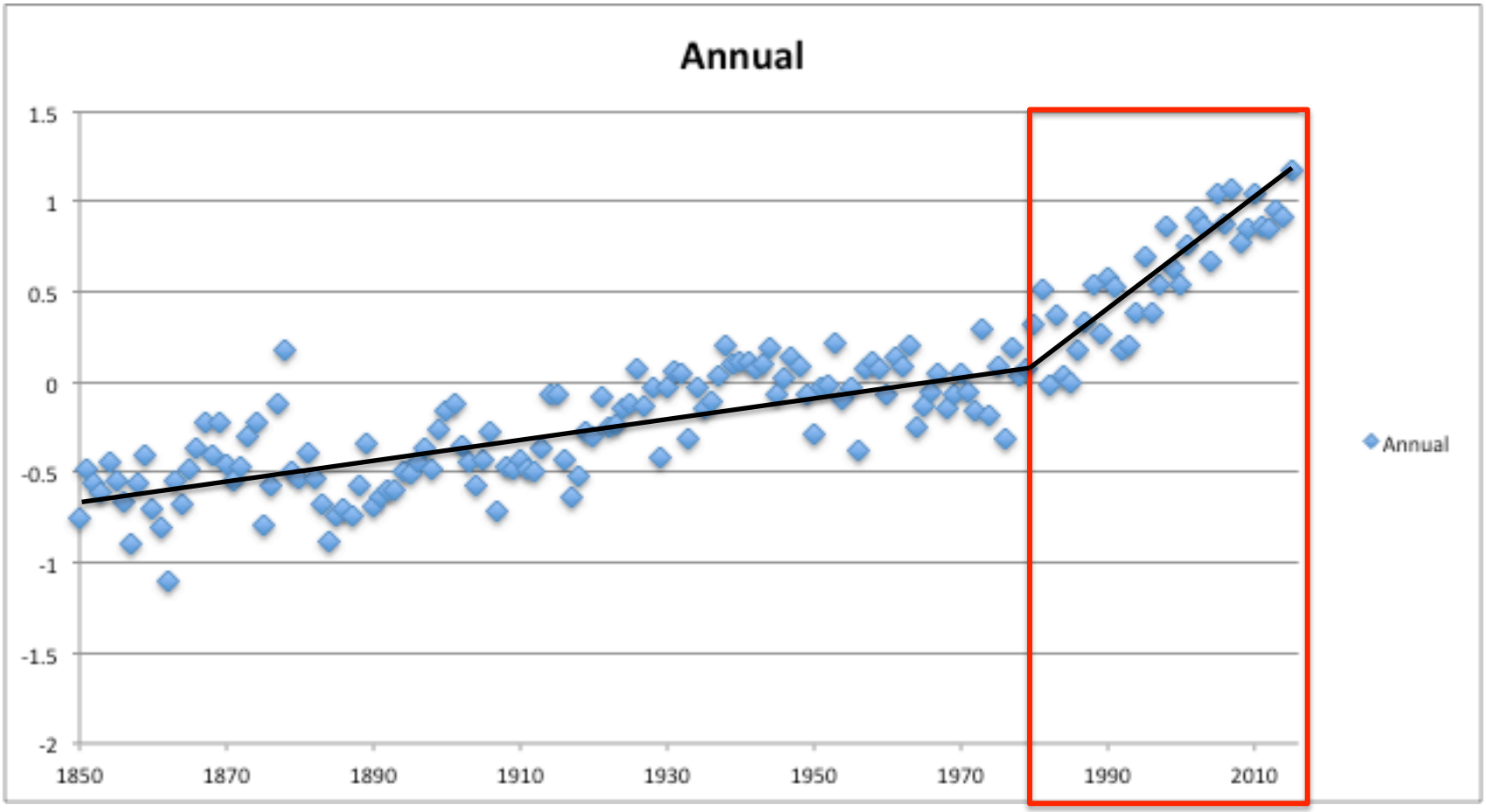
Global Warming – Final Thoughts

Data “Tinkering”

Group Projects

Data Tinkering

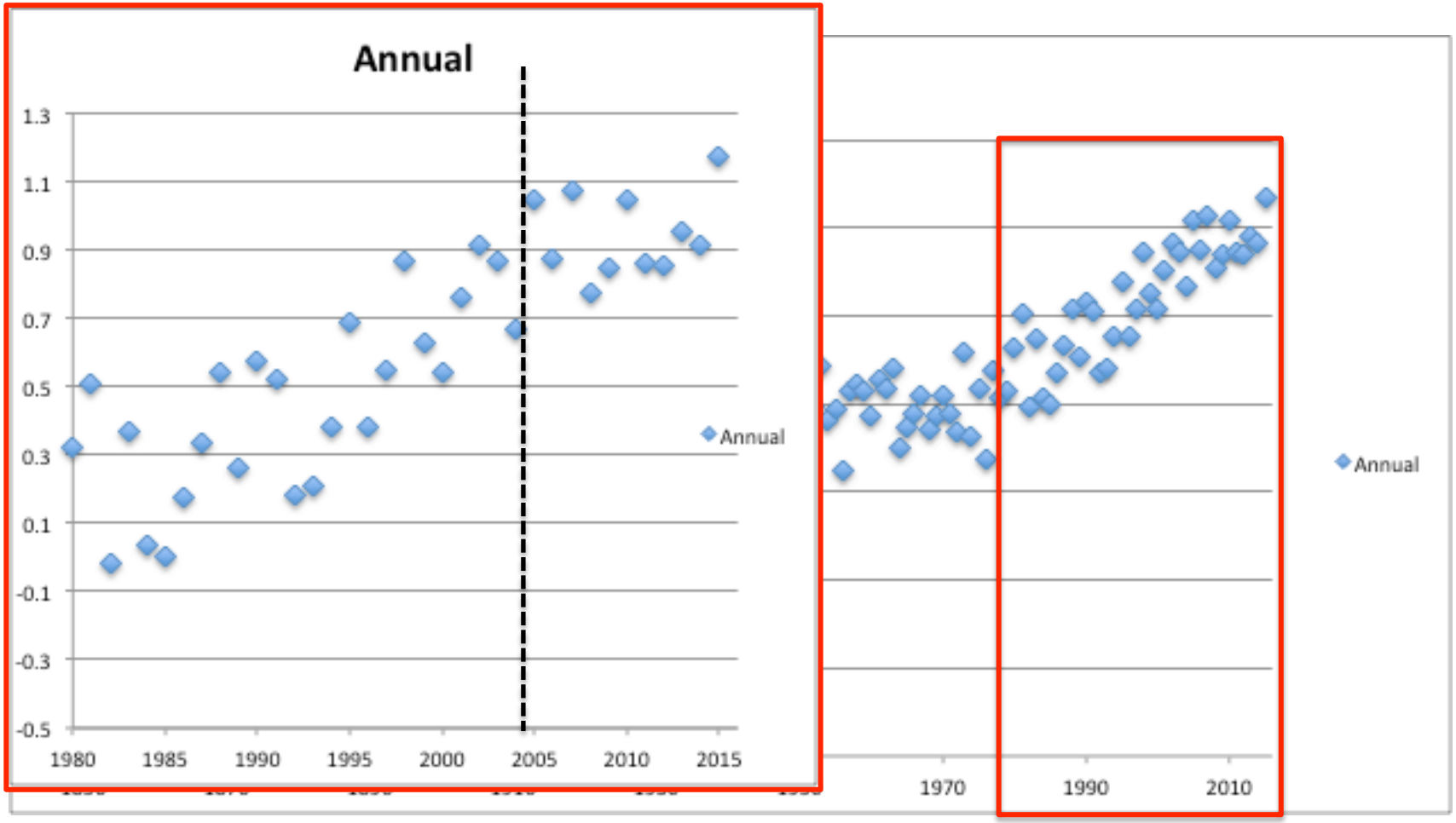
Cherry Picking



http://http://berkeleyearth.org/data/

Data Tinkering

Cherry Picking



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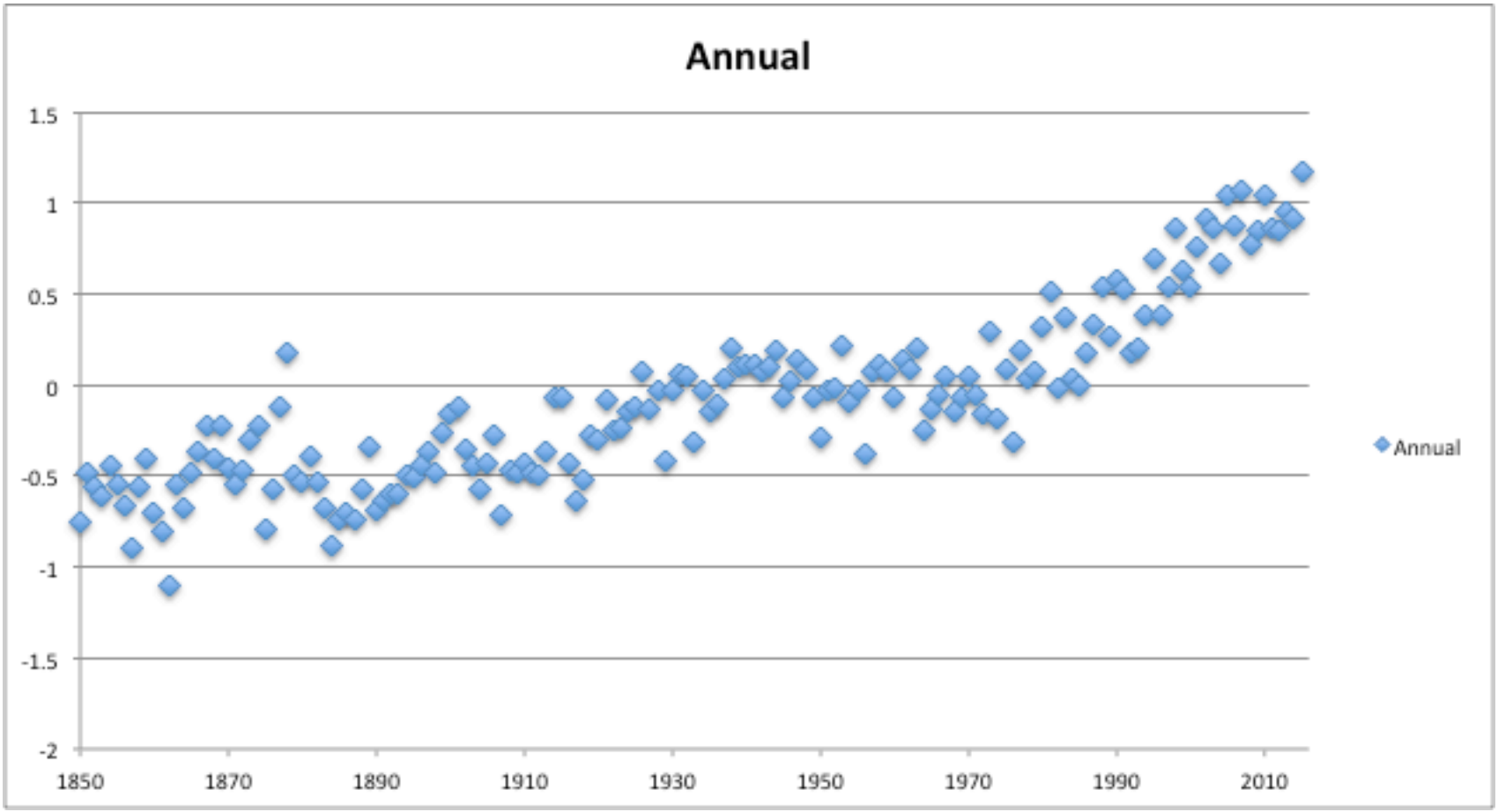
Data Tinkering

Cherry Picking



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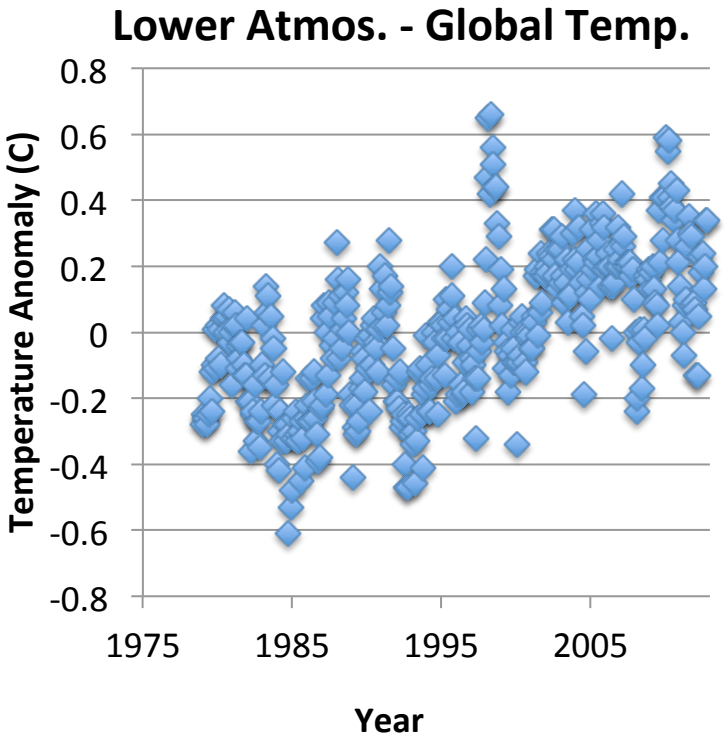
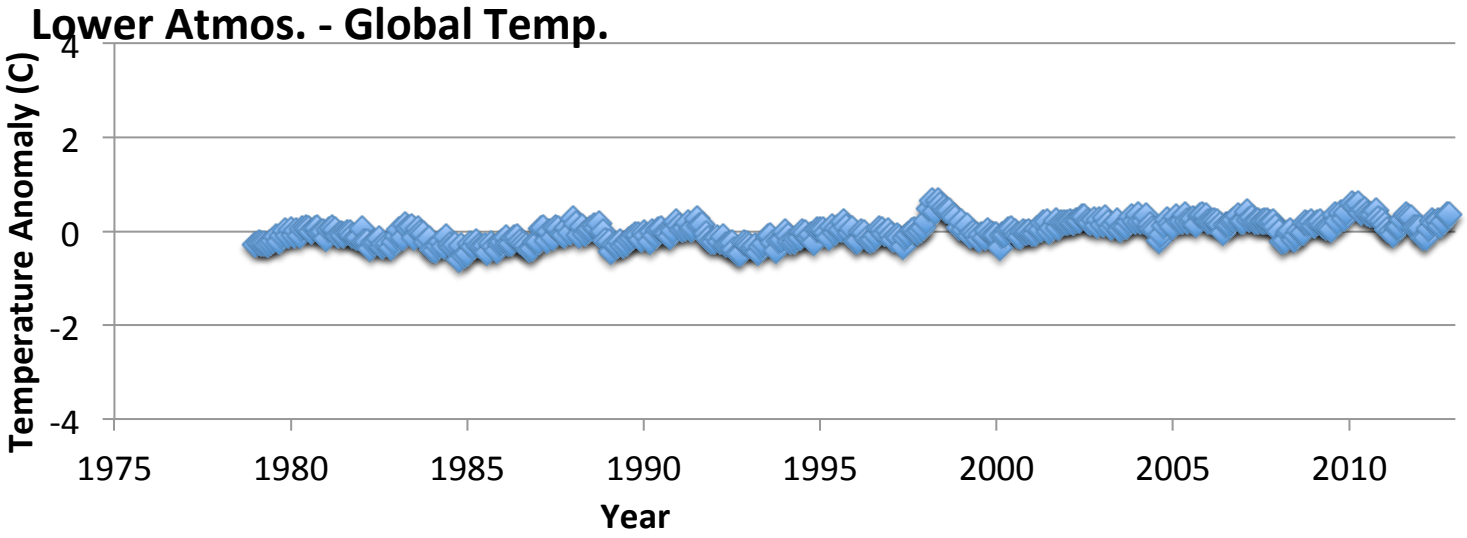
Data Tinkering

Cherry Picking
Axis Manipulation

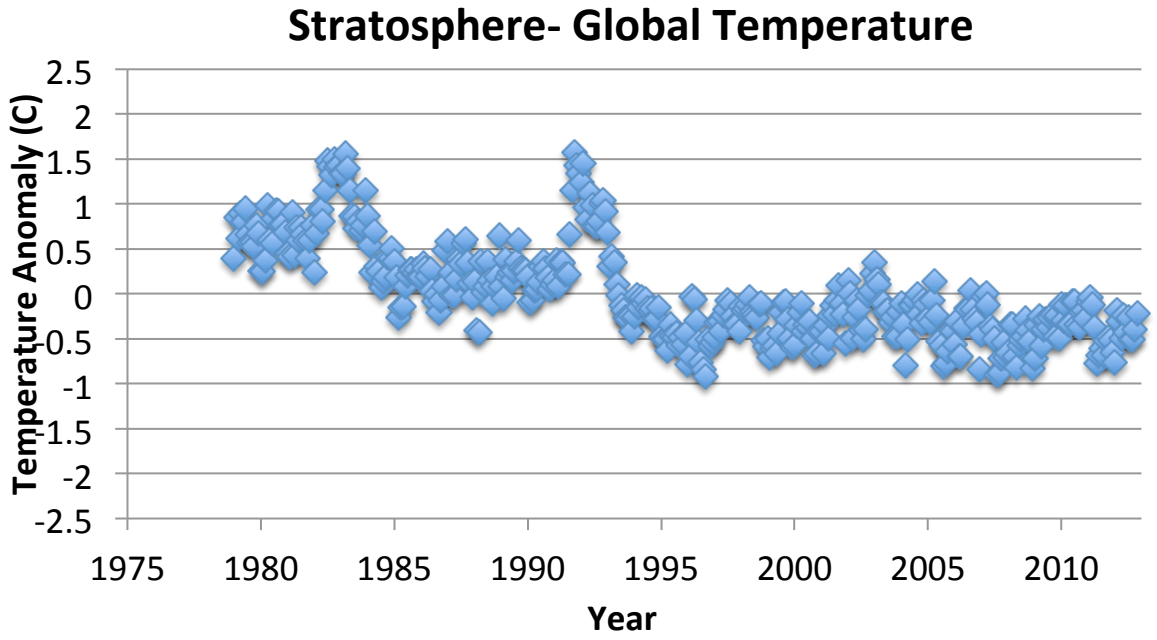




http://www.ncdc.noaa.gov/temp-and-precip/msu/

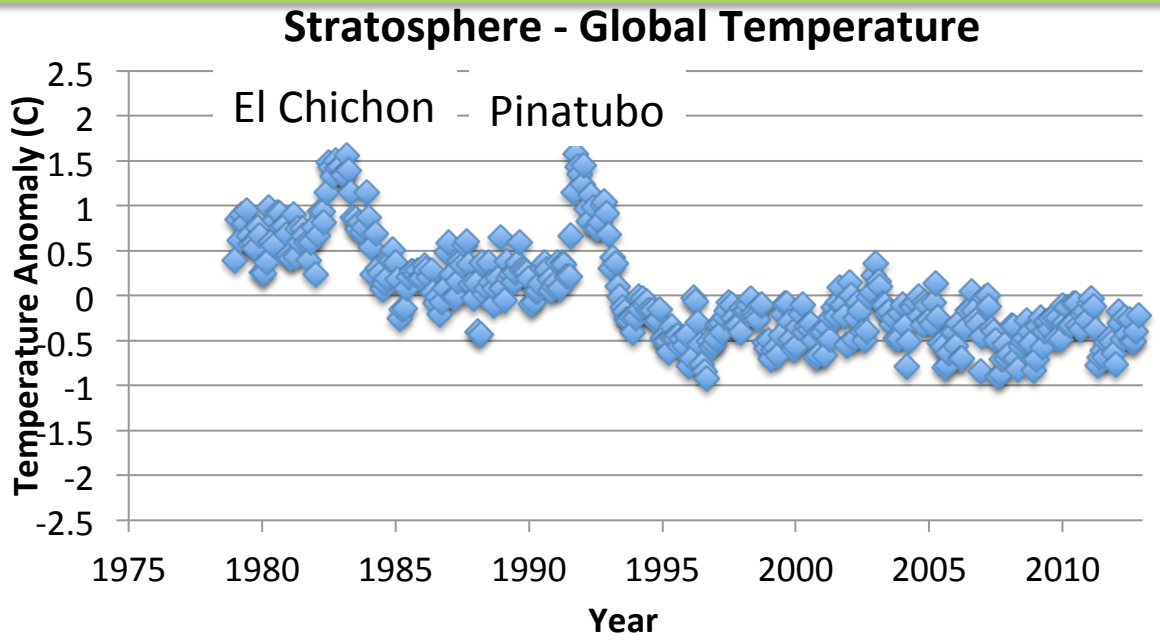
Data Tinkering

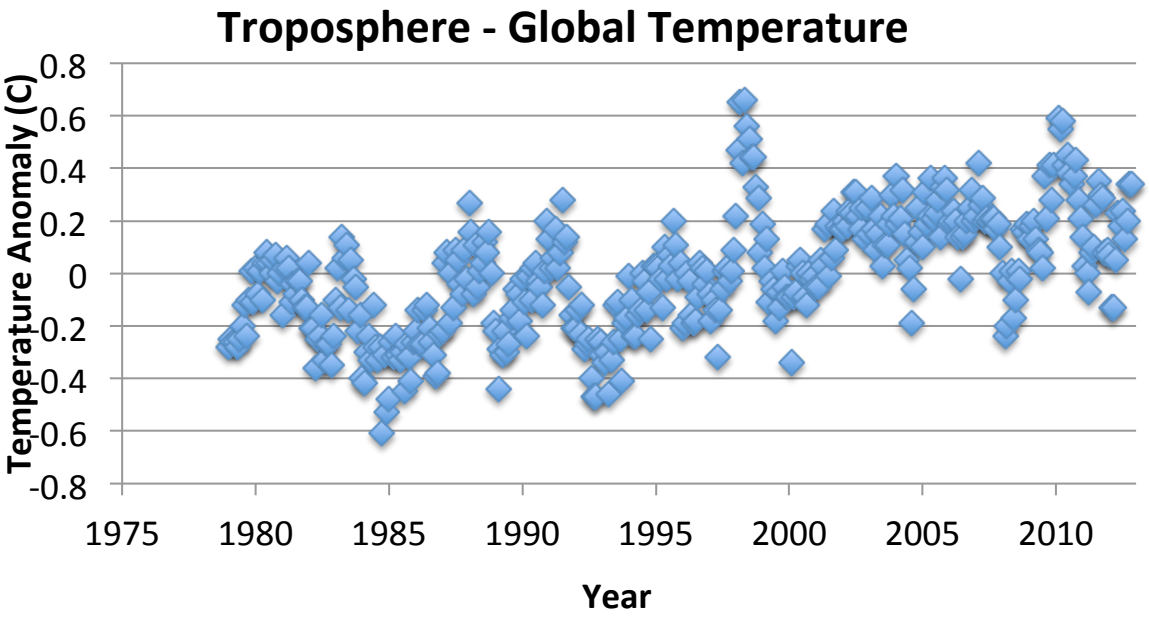
Cherry Picking
Axis Manipulation
Inappropriate Data

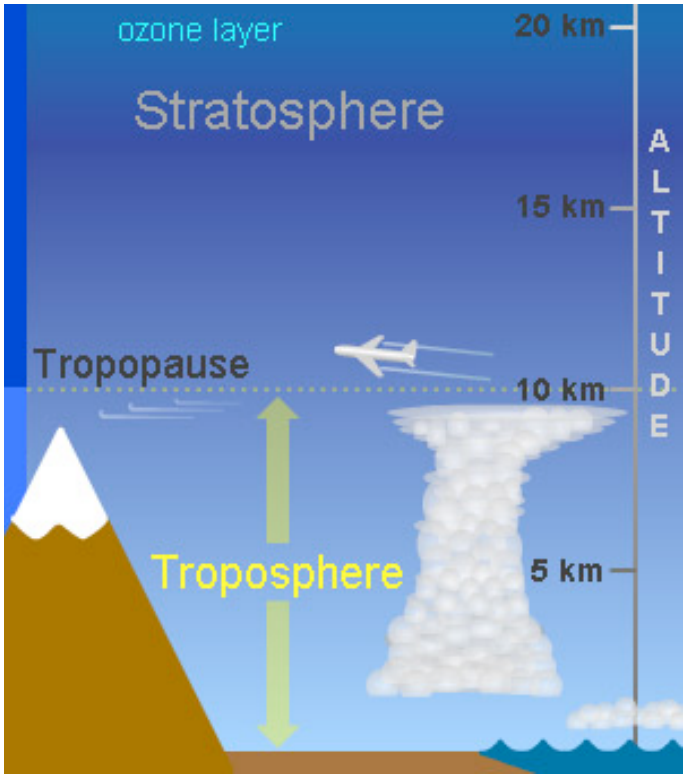


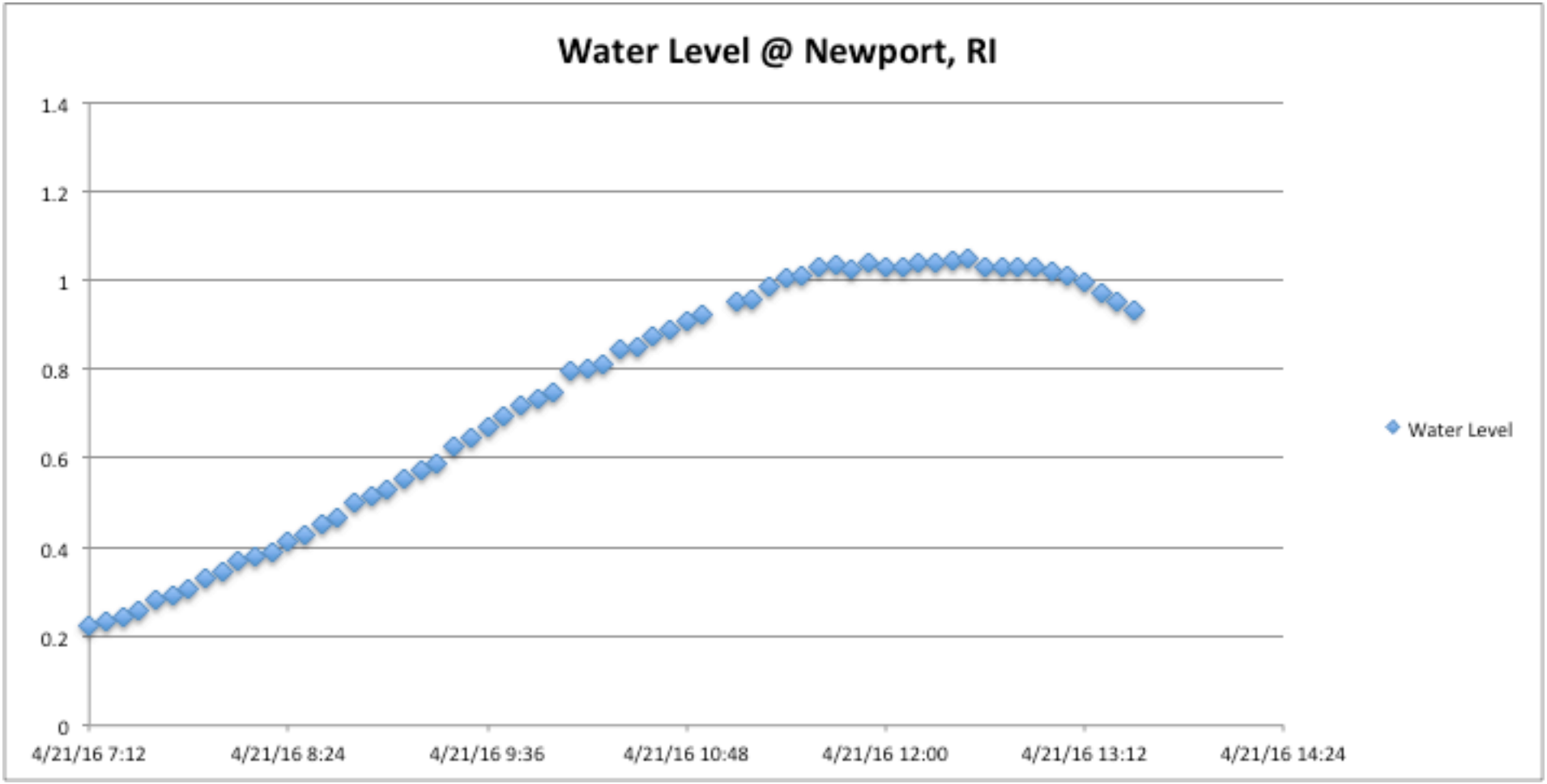
http://www.ncdc.noaa.gov/temp-and-precip/msu/

Who to Believe – Critical Thinking





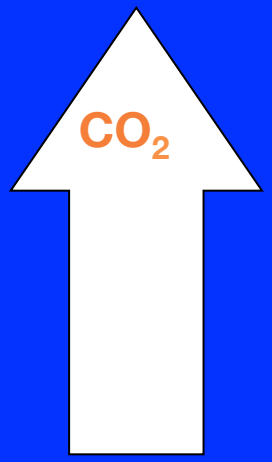


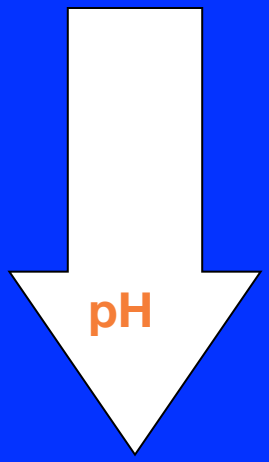


https://noaa.gov/waterlevels.html

Effects of Increased CO_2: Ocean Water Acidification

Ocean water acidification threatens shellfishing in the Bay





As CO_2 in the atmosphere is increasing…..

ocean water is becoming more acidic.

Acidic water can:

- dissolve shells
- make it hard for shellfish to create their skeletons

	Diseases	Recreation	Heat Waves	Energy Demands	Beach Replenish	Flood Insurance	Infrastructure	Drought & Floods	Tornadoes Hurricanes	Globalization	Invasive Specie	Fish & Shellfish	Maple Syrup		
Brown, Isaiah															
Chin, Wesley	3	3	3	3	3	3	3	3	3	3	3	3	3		
Cruz, Angelique															
DeSanto, Kara															
Etienne, Joshua															
Goulding, Elizabeth															
Gu, Tianjie			4	4				4							
Hoxsie, Sarah					2					2		2	2		aquaculture
Hudson, Emily						3		4					3		
James, Jacqueline															
Kaplove, Caroline		4	4	3			3	3		3					
Lawler, Joe															
Liang, Z				4				3	3						
Lillibridge, Adam	2	2	2	2	2	2	2	2	2	2	2	2	2		
Machado, Chali															
Machado, Norman															
Nademlynsky, Stephanie			3		3	3			4			3			
O'Connor, Jenna-Rose					4								4		
Ordway, Caitlyn							3	4	4	4	3				
Pham, Stephanie				3		3		3	3	3					
Phelps, Emily															
Pirrie, Anna															
Sanderson, Alec															
Sowers, Tyler															
Strik, Matt							3			3					
Tyner, Joseph															

Higher number more interest

Content	Did the presentation provide useful information? Were appropriate graphics/data used and referenced?
3	Presentation had significant useful information and appropriate graphics/references.
2	Presentation had modest useful information and/or appropriate graphics/references.
1	Presentation was lacking in useful information and appropriate graphics/references.

Organization	Was the presentation well organized and easy to follow? Were transitions and proposed format followed?
3	The presentation was well organized and followed proposed format
2	The presentation was sufficiently organized and somewhat followed the proposed format.
1	The presentation was poorly organized and did not follow the proposed format.

Discussion	How well did the group handle the questions and discussion period ?
3	The questions and discussion period were handled very well.
2	The questions and discussion period were handled adequately.
1	The questions and discussion period were handled “not so good.”

Collaboration	Did everyone contribute to the presentation? Did everyone seem well versed in the material?
3	Everyone contributed and were knowledgeable of the material.
2	Only some of the group contributed and were knowledgeable of the material.
1	Group had poor coordination and lacked sufficient knowledge of the material.

Contribution	How much did each partner contribute to the group project	You _____	Name _____	Name _____	Name _____
3	Above Expectations – Did most of the work				
2	Met Expectations – Did their fair share				
1	Below Expectations - Slacker				