

# DataStreme ECS

## ANNOUNCEMENTS and ANSWER KEY

Week Two: 5 - 9 September 2016

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### ANNOUNCEMENTS

9 September 2016

1. By now all mentors should have established a weekly (not weakly) routine of time and means for interacting with their mentees. While it should be the participant's responsibility to initiate each week's contact, mentors may need to firmly, but gently, "prod" a few to develop that habit. Be sure everyone is managing use of the eTextbook and eInvestigations Manual. This early period of the course is critical to prevent participants from falling behind. It is also very important to support any teachers who may seem to be overwhelmed already with the course responsibilities in addition to their own classroom activities.
2. If you have not yet sent in your registration forms, please have originals mailed immediately to DataStreme Central. Leaders should receive an email confirmation of receipt of SUNY registrations from Bob Weinbeck. If you mailed the forms some time ago, please contact DataStreme Central.
3. We would like to see "Reports From the Field" appear in the Weekly Climate News (WCN) file. We would welcome such items that can bring a personal touch to course concepts. LIT leaders and members might remind participants that such newsworthy climate impacts and stories should be emailed to Dr. Ed Hopkins (address at bottom of the WCN file) for possible inclusion in an upcoming "Reports from the Field."

### ANSWER KEY

#### A. CHAPTER PROGRESS QUESTIONS:

1. World Meteorological Organization
2. ocean bottom sediment depth
3. remote sensing
4. constant position with respect to Earth's surface
5. are closer to Earth's surface
6. TOPEX/Poseidon
7. 2.0 m
8. Argo
9. does
10. COOP
11. 1951
12. False

13. 1998
14. future
15. Climate Prediction Center.
16. [as appropriate by participant]
17. [as appropriate by participant]

Questions 16 and 17 enable DataStreme ECS participants to reflect on their understanding of the chapter's material and how the course experience can be shared with their colleagues. As mentors, your relationship with participants should also focus on the answers submitted to these items. Please inquire if a participant fails to respond to any item.

## **B. CONCEPT OF THE WEEK:**

1. 28 degrees
2. 120 days

## **C. INVESTIGATIONS RESPONSES**

### *INVESTIGATION 2A:*

1. 2 February
2. 107
3. 22
4. about three weeks later than
5. 1.8
6. February
7. 23.8
8. July
9. 25.98
10. 110
11. 26.66
12. 0.68 in. below
13. continental
14. do
15. both of these
16. changed
17. warming
18. were
19. warming
20. minimum

### *INVESTIGATION 2B:*

1. 71.8
2. 3

3. 73.1
4. greater than
5. 77.5
6. 1915
7. 11.6
8. No
9. equal to
10. 8.4
11. are not
12. near the middle
13. No
14. No
15. mixed with both increases and decreases
16. 1911-1940
17. No

*CURRENT CLIMATE STUDIES 2*

1. 0.78
2. increasing
3. higher northern
4. 2.4
5. Alaska
6. 0.8
7. all of these
8. positive
9. public and private decision making at all levels
10. all of these
11. both mitigation and adaptation
12. all of these

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