

Data Acquisition Course
Climate Review Questions

1. What elements or coded remarks should not be reported in a Supplementary Climatological Data (SCD) report:
- A. Depth of snow on the ground.
 - B. Duration of sunshine.
 - C. Hourly precipitation amounts.
 - D. Water Equivalency of snow on the ground.

(Correct answer (c), WSOH #7 Part IV, 1.5.2) SCD area

2. Data entered into the supplementary data observations must be observed within how many minutes of the time of the report?
- A. There is no time limit, all the data is entered at the time of the report.
 - B. Within 15 minutes of the time of the report, except for duration of sunshine.
 - C. Within 10 minutes of the time of the report, except for duration of sunshine.
 - D. Within 15 minutes of the time of the report.

(Correct answer (b), WSOH #7 Part IV, 1.7) SCD area

3. How should the NWS Weather Forecasts Offices (WFO) utilize the Daily Summary Message (DSM) and the Monthly Summary Message (MSM):
- A. These messages are intended to be used only by the National Climatic Data Center.
 - B. These messages should be distributed by the WFOs to the local media.
 - C. After mandatory quality control of the DSM, the WFO should redistribute the DSM to the National Center for Numerical Prediction.
 - D. WFOs should use the coded information from the DSM and MSM to produce the daily and monthly climate messages (CLI and CLM).

(Correct answer (d), WSOM OML 12-00, paragraph 2) DSM/MSM area

4. When should the WFO staff provide DSM/MSM documentation and software to external customers?:
- A. Documentation and software should be provided within 90 days upon written request from an external customer.
 - B. Requests for documentation and software shall be referred to the Regional Systems Operations Division.
 - C. DSM/MSM documentation and software shall not be distributed outside of NOAA.
 - D. Documentation and software shall be distributed within 60 days of any request.

(Correct answer (c), WSOM OML 12-00, paragraph 2) DSM/MSM area

5. What is the minimum number of times a day a WFO issues the Climatological Daily Report (CLI)?
- A. At least twice daily, in the early morning (before sunrise) and late afternoon (before major local newscast times).
 - B. At least twice daily, in the late morning (after sunrise) and late evening (before late night newscast times).
 - C. Once a day in the early morning before local newscast times.
 - D. There is no minimum. Issuance is at the discretion of the WFO but should be prior to local newscasts times.

(Correct answer (a), WSOM OML 09-00, paragraph 4.4.2) CLI area

6. What value should the WFO staff report in the CLI when precipitation accumulation amounts for a particular day are missing and can not be determined or estimated?
- A. Daily precipitation accumulation values must always be estimated in the CLI if the report is missing and can not be determined or estimated.
 - B. Daily precipitation values must be reported as 0.00 in the CLI if they are missing and can not be determined or estimated.
 - C. Daily precipitation fields must be deleted from the report in the CLI if they are missing and can not be determined or estimated.
 - D. Daily precipitation values must be reported as MM in the CLI if they are missing and can not be determined or estimated.

(Correct answer (d), WSOM OML 09-00, Appendix A) CLI area

7. What equipment, if any, shall be used for the supplementary observation program?
- A. The MMTS for temperature, the 8 inch standard gauge for precipitation, and an NWS approved sunshine sensor where available.
 - B. The ASOS whenever it is available representative, and has a sunshine sensor capable of reporting duration of sunshine.
 - C. No equipment is required, all elements may be estimated.
 - D. Any locally purchased equipment may be used for this program.

(Correct answer (a), WSOM B-11, Appendix C) SCD area

8. When should a Climatological Report (longer term, CLM) be issued? :
- A. At least once every 3rd day and when required on a non-routine basis.
 - B. At least monthly and when required on a routine or non-routine basis.
 - C. At least monthly, but never non-routinely.
 - D. Once every season after record events have been recorded.

(Correct answer (b), WSOM Chapter C-21, paragraph 4.4.3) CLM area

9. When should the WFO staff issue a Notice of Correction to Records?
- A. Within five working days after the end of a month when uncorrected errors were transmitted from an automated weather observing system.
 - B. Within two working days after the end of a month when uncorrected errors are noted at a NWS sponsored ASOS staffed by FAA contract employees.
 - C. Within two working days after the end of a month when uncorrected errors were transmitted from a NWS managed ASOS.
 - D. Immediately after any errors are detected in any observation.

(Correct answer (c), ASOS Operational Procedure NWS93-004M, FAA Order 7900.5 16-49)

10. How may permission for departure from the siting standards for temperature instruments be granted?:
- A. Written permission may be granted by the Regional SOD Chief.
 - B. Written permission may be granted by the MIC.
 - C. Departure from standards is at a WFO's discretion.
 - D. Written permission must be granted by the Regional Director.

(Correct answer (a), WSOM B-11 Appendix E, paragraph 3) NWS role

11. What is the standard height above ground for a wind sensor?
- A. 12 meters above the ground.
 - B. 33 feet above the ground.
 - C. No less than 10 feet above the ground.
 - D. 30 feet above the ground.

(Correct answer (b), WSOM B-11, Appendix E, paragraph 4.a) NWS Role

12. What form should be used for issuing a Notice of Correction to Records?
- A. WS Form B-14, Notice of Correction to Records
 - B. WS F-6 Form
 - C. FAA Form 9124, Notice of Correction to Records
 - D. NWS does not issue notice of correction to records.

(Correct answer (a), ASOS Operational Procedure NWS93-004M, FAA Order 7900.5 16-49)

13. What NCDC location on the internet allows you to examine record weather values for a location in the United States?
- A. <http://lwf.ncdc.noaa.gov/img/climate/severeweather/a-thigh.gif>
 - B. <http://lwf.ncdc.noaa.gov/oa/climate/severeweather/extremes.html>
 - C. <http://www.noaa.gov/>
 - D. <Http://www.cnn.com>

(Correct answer (b), web site review)

14. How can the DSM/MSM messages be placed on the Internet home page for a WFO.
- A. The messages must be uploaded locally using the FTP method.
 - B. A request for change must be submitted through the regional headquarters.
 - C. DSM/MSM messages are not to be placed on the internet or distributed outside of NOAA.
 - D. Through any available method.

(Correct answer (c), WSOM OML 12-00) DSM/MSM area

15. Water equivalency of snow fall is reported in the supplementary climate data observation under the following conditions:
- A. When a trace of snowfall is on the ground at 1200 UTC.
 - B. When 1 inch of snowfall is on the ground at 1200 UTC.
 - C. When 2 inches or more of frozen precipitation is on the ground at 1800 UTC.
 - D. When 2 inches or more of snow is on the ground, not consisting entirely of hail, at 1800 UTC.

(Correct answer (d), WSOH #7, Part IV, 2.3.3.6.3) SCD area