

WB Form 612-7
(7-57)

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

OFFICIAL WEATHER OBSERVER'S RECORD

MONTH OF _____

TIME OF OBSERVATION

_____ (Local time)

(STATION)

(OBSERVER)

DATE Jan. 6, 1922 DAY OF WEEK Wednesday

TEMPERATURE of F

24 Hr. ending at
Observation

MAX. MIN.

AT
OBSN.

36 28 30

PRECIPITATION

DRAW A STRAIGHT LINE (—) THROUGH HOURS PRECIPITATION WAS OBSERVED, AND A WAVED LINE (w) THROUGH HOURS PRECIPITATION PROBABLY OCCURRED BUT WAS NOT OBSERVED.

A. M.												P. M.											
1	2	3	4	5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	9	10	11	

WEATHER

Mark "X" for all types that occur during the calendar day

Fog	Sleet	Glaze	Thunder	Hail	Damaging Wind
					X

REMARKS AND NOTES

Some drifting of snow

PRECIPITATION	SNOW, SLEET, HAIL, ICE	SNOW, SLEET, HAIL, on ground at Obsn. (Inches)
24-Hr. Amounts AT OBSN.		
RAIN, MELTED SNOW, Etc. (Inches and Hundredths)	SNOW, HAIL (Inches and Tenths)	
93	810	5

ENTER ADDITIONAL NOTES ON REVERSE SIDE

TO THE OFFICIAL WEATHER OBSERVER

Weather records which you have kept in the past were often used to determine what kind of clothing, how much fuel, and what type of food and other supplies should be furnished to Army posts throughout the country. In times of peace these same records are used over and over to solve problems of agriculture, business, industry, and commerce. These records also form a basis for preparedness in case of future national emergencies.

A complete and accurate weather record from your station is a valuable asset to the Nation's economy. Your faithful recording of weather observations and facts about storms, etc., is a valuable public service, for which you deserve the gratitude of the entire Nation.

Taking and Recording Observations

1. Form 612-7 has been prepared for your use in recording your observations as they are taken. A new pad should be used for each month and all information called for on the cover should be entered. One page should be used for each daily observation and the date should be entered in the heading. Data should be promptly and carefully copied into Form 612-14. Form 612-7 may then be retained as your permanent record. A sufficient number of blank pages have been provided at the back of the pad to permit entry of weekly crop summary, present farm operations, or any other items you may wish to record.

2. Use of Form 612-7 is optional. If you prefer you may keep an additional copy of the monthly form for your retained record.

3. Observations should be taken at a regular hour each day and this time should be entered on the cover of the notebook. The preferred time is from 5 p. m. to 8 p. m. Observations should be taken at the same time during the entire year. Take only one observation per day unless instructed otherwise. Continuity of record is very important. A member of the observer's family, or some other competent person, should, therefore, be taught to take and record observations in the event of the observer's absence or illness.

4. The following order should be followed in making temperature observations: (a) Read minimum thermometer and record the reading; (b) read maximum thermometer and record the reading; (c) set the maximum thermometer; (d) set the minimum thermometer.

5. MINIMUM TEMPERATURE.—The minimum thermometer is read while in the "set" position. The reading is taken from the upper or right-hand end of the small index. It should be read before the maximum thermometer, so that the index in the minimum will not be jarred or disturbed in any manner before the reading is made.

6. MAXIMUM TEMPERATURE.—To obtain the maximum temperature, slowly lower the maximum thermometer to a vertical position, with the bulb down. Then read the temperature shown by the top of the mercury column. The thermometer bulb should not be touched.

7. CURRENT TEMPERATURE AT TIME OF OBSERVATION.—The current temperature may be obtained at any time by reading the end of the alcohol column in the minimum thermometer without disturbing the instrument. This temperature may also be obtained from the maximum thermometer at observation time after it has been whirled, while it is still in a vertical position.

8. SETTING THE THERMOMETERS.—After both maximum and minimum temperatures have been obtained, the maximum thermometer is set by whirling it in a clockwise direction until the reading is the same as that shown by the end of the alcohol column in the minimum thermometer. It should then be returned to its nearly horizontal position, with the bulb end slightly elevated. The minimum thermometer is set by raising the bulb end sufficiently to allow the small index to slide to the end of the alcohol column and then lowering the thermometer to a nearly horizontal position. After setting, the temperatures shown by the respective thermometers should agree within one degree; a greater difference should be reported to the office where you send your monthly report.

9. RECORDING THE TEMPERATURES.—Enter maximum temperature, minimum temperature, and temperature at time of observation in the proper space to the nearest whole degree. If the temperature is below zero, place a minus sign in front of the reading.

10. PRECIPITATION, TIMES OF BEGINNING AND ENDING.—Beginnings and endings must always be entered on the calendar date(s) on which they actually occur. Show the hours during which precipitation fell by drawing a solid horizontal line through the hour columns for the period of actual observed occurrence. If the beginnings and endings were not observed, draw a wavy line through the hours of probable occurrence. This is a vital part of the record and should be kept as complete and accurate as possible.

11. PRECIPITATION, 24-HOUR TOTAL ENDING AT OBSERVATION.—Record in the space headed "Rain, Melted Snow, etc.," the total depth of rain or the water resulting from melted hail, sleet or snow for the preceding 24 hours, regardless of whether it fell on the day of observation or after observation time on the preceding day. **The amount should always be entered on the date(s) of measurement.** Every entry of measurable precipitation should be recorded to two decimal places and the decimal point should be carefully entered in its proper place. If the amount is .05 (five hundredths) it should be entered as .05, if it is .50 (fifty hundredths) it should be entered as .50, and if it is one inch and sixty hundredths as 1.60. **When no precipitation falls during the 24-hour observational period, a "0" (zero) should be entered so there will be no doubt as to whether any precipitation fell.**

12. MEASURING LIQUID PRECIPITATION.—It is not necessary to remove the measuring tube to make a measurement. Insert a dry measuring stick into the measuring tube. Permit the stick to rest on the bottom of the tube for 2 or 3 seconds. Withdraw the stick and read the depth of precipitation at the upper limit of the wet portion of the stick. This amount should be entered on the date of measurement. The gage is so constructed that the depth of water in the measuring tube is magnified ten times by allowing it to collect in the smaller tube. The measuring stick supplied with the gage is graduated in such a manner that its smallest division represents .01 inch of actual precipitation. The measuring tube should be emptied and replaced in the large can after the measurement has been noted. If the measuring tube of the gage is full (this equals 2 inches of precipitation),

17. Under "Remarks and Notes", write a brief report of any unusual weather conditions, giving times and dates. Deaths and damage due to weather should be noted. Also record here the dates of "killing freeze" in the spring and fall. A "freeze" may or may not be accompanied by an actual deposit of frost. A "killing freeze" is a freezing condition capable of having widely destructive effects on staple vegetation, usually accompanied by temperatures observed in the instrument shelter below 32° F. Under arid or windy conditions, frost does not always form with killing freeze temperatures, and a heavy frost is not always an indication of a killing freeze.

18. If any unusual weather occurs precisely at midnight, record the time as "12 MID" followed by the dates of the previous and following days, e.g., "12 MID 17-18." An occurrence at noon will be recorded as "12 NOON."

19. Observations should be copied promptly into the monthly weather record.

* U. S. GOVERNMENT PRINTING OFFICE : 1965 O - 781-113

DATE	TEI	24 Hr Obs	MAX	PRECIP	24-Hr AT	RAIN MELT SNOW, (Inch, and H dredg
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DATE _____

, 19 _____

DAY OF WEEK _____

TEMPERATURE °F

24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

PRECIPITATION

DRAW A STRAIGHT LINE (—) THROUGH HOURS PRECIPITATION WAS OBSERVED,
AND A WAVED LINE (〰) THROUGH HOURS PRECIPITATION PROBABLY OC-
CURRED BUT WAS NOT OBSERVED.

Precipitation

A. M.

P. M.

1 2 3 4 5 6 7 8 9 10 11 Noon 1 2 3 4 5 6 7 8 9 10 11

PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches and Hun-
dredths)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog Sleet
Glaze Thunder
Hail Damaging Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

TEMPERATURE °F

24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

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MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches and
Tenths)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog
Sleet
Glaze
Thunder
Hail
Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

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24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

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24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
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SLEET,
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Glaze Thunder
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REMARKS AND NOTES

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AT OBSN.RAIN,
MELTED
SNOW, Etc.
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Glaze Thunder
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REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

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MAX. MIN.

AT
OBSN.

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24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
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dredths)

WEATHER

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Glaze Thunder
Hail Damaging Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE _____

, 19 _____

DAY OF WEEK _____

TEMPERATURE °F		AT OBSN.
24 Hrs. ending at Observation		
MAX.	MIN.	
PRECIPITATION		SNOW, SLEET, HAIL, ICE on ground at Obsn. (Inches)
24-Hr. Amounts AT OBSN.		
RAIN, MELTED SNOW, Etc. (Inches and Hun- dredths)	SNOW, SLEET, HAIL, (Inches and Hun- dredths)	

PRECIPITATION

DRAW A STRAIGHT LINE (—) THROUGH HOURS PRECIPITATION WAS OBSERVED,
AND A WAVED LINE (〰) THROUGH HOURS PRECIPITATION PROBABLY OC-
CURRED BUT WAS NOT OBSERVED.

Height

A. M.

P. M.

1	2	3	4	5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	9	10	11	
〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰

PRECIPITATION

24-Hr. Amounts
AT OBSN.

RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)

SNOW,
SLEET,
HAIL,
(Inches
and Hun-
dredths)

WEATHER

Mark "X" for all types that
occur during the calendar day

Fog	
Sleet	
Glaze	
Thunder	
Hail	
Damaging Wind	

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

TEMPERATURE °F

24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

PRECIPITATION

DRAW A STRAIGHT LINE (—) THROUGH HOURS PRECIPITATION WAS OBSERVED,
AND A WAVED LINE (∩) THROUGH HOURS PRECIPITATION PROBABLY OC-
CURRED BUT WAS NOT OBSERVED.

Precipitation

A. M.

P. M.

1 2 3 4 5 6 7 8 9 10 11 Noon 1 2 3 4 5 6 7 8 9 10 11

PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches and
Tenths)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog
Sleet
Glaze
Thunder
Hail
Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

TEMPERATURE °F

24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

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Precipitation

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PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches and
Tenths)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog
Sleet
Glaze
Thunder
Hail
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REMARKS AND NOTES

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DATE _____

, 19 _____

DAY OF WEEK _____

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Precipitation

A. M.

P. M.

1 2 3 4 5 6 7 8 9 10 11 Noon 1 2 3 4 5 6 7 8 9 10 11

PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches and
Tenths)SNOW,
SLEET,
HAIL,
ICE
on ground
at Obsn.
(Inches)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog
Sleet
Glaze
Thunder
Hail
Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE _____

, 19 _____

DAY OF WEEK _____

TEMPERATURE °F		AT OBSN.
24 Hrs. ending at Observation		
MAX.	MIN.	
PRECIPITATION		SNOW, SLEET, HAIL, ICE on ground at Obsn. (Inches)
24-Hr. Amounts AT OBSN.		
RAIN, MELTED SNOW, Etc. (Inches and Hun- dredths)	SNOW, SLEET, HAIL, (Inches and Hun- dredths)	

PRECIPITATION

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Height

A. M.

P. M.

1	2	3	4	5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	9	10	11	

PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches
and Hun-
dredths)

WEATHER

Mark "X" for all types that
occur during the calendar day

Fog

Sleet

Glaze

Thunder

Hail

Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

TEMPERATURE °F

24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

PRECIPITATION

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A. M.

P. M.

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PRECIPITATION

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AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
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dredths)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog
Sleet
Glaze
Thunder
Hail
Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

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Observation

MAX. MIN.

AT
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PRECIPITATION

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WEATHER

Mark "X" for all types that
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Sleet
Glaze
Thunder
Hail
Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE _____

, 19 _____

DAY OF WEEK _____

TEMPERATURE °F	
24 Hrs. ending at Observation	AT OBSN.
MAX.	MIN.
PRECIPITATION	SNOW, SLEET, HAIL, ICE on ground at Obsn. (Inches)
24-Hr. Amounts AT OBSN.	
RAIN, MELTED SNOW, Etc. (Inches and Hundredths)	

PRECIPITATION

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1	2	3	4	5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	9	10	11

PRECIPITATION

WEATHER

REMARKS AND NOTES

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Fog	Sleet	Glaze	Thunder	Hail	Damaging Wind

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

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24 Hrs. ending at
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MAX. MIN.

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A. M.

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PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
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SLEET,
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SNOW, Etc.
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SNOW, Etc.
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SLEET,
HAIL,
(Inches and Hun-
dredths)

WEATHER

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Glaze Thunder
Hail Damaging Wind

REMARKS AND NOTES

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24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

PRECIPITATION

DRAW A STRAIGHT LINE (—) THROUGH HOURS PRECIPITATION WAS OBSERVED,
AND A WAVED LINE (∩) THROUGH HOURS PRECIPITATION PROBABLY OC-
CURRED BUT WAS NOT OBSERVED.

Precipitation

A. M.

P. M.

1 2 3 4 5 6 7 8 9 10 11 Noon 1 2 3 4 5 6 7 8 9 10 11

PRECIPITATION

24-Hr. Amounts
AT OBSN.RAIN,
MELTED
SNOW, Etc.
(Inches and Hun-
dredths)SNOW,
SLEET,
HAIL,
(Inches and Hun-
dredths)

WEATHER

Mark "X" for all types that
occur during the calendar dayFog Sleet
Glaze Thunder
Hail Damaging Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE

, 19

DAY OF WEEK

TEMPERATURE °F

24 Hrs. ending at
Observation

MAX. MIN.

AT
OBSN.

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(Inches and
Tenths)

WEATHER

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Sleet
Glaze
Thunder
Hail
Dancing Wind

REMARKS AND NOTES

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PRECIPITATION

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(Inches and Hun-
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SLEET,
HAIL,
(Inches and
Tenths)SNOW,
SLEET,
HAIL,
ICE
on ground
at Obsn.
(Inches)

WEATHER

Mark "X" for all types that
occur during the calendar day

Fog

Sleet

Glaze

Thunder

Hail

Dancing Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

DATE _____

, 19 _____

DAY OF WEEK _____

TEMPERATURE °F	
24 Hrs. ending at Observation	AT OBSN.
MAX.	MIN.
PRECIPITATION	SNOW, SLEET, HAIL, ICE on ground at Obsn. (Inches)
24-Hr. Amounts AT OBSN.	
RAIN, MELTED SNOW, Etc. (Inches and Hundredths)	

PRECIPITATION

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1	2	3	4	5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	9	10	11	
〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰	〰

PRECIPITATION

24-Hr. Amounts AT OBSN.

RAIN, MELTED SNOW, Etc. (Inches and Hundredths)

SNOW, SLEET, HAIL, ICE on ground at Obsn. (Inches)

WEATHER

Mark "X" for all types that occur during the calendar day

Fog	Sleet	Glaze	Thunder	Hail	Damaging Wind

REMARKS AND NOTES

ENTER ADDITIONAL NOTES ON REVERSE SIDE

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