PROJECT 10073 RECORD

1. DATE - TIME GROUP 29/1912 EST 29 Nov 69 30/0012Z	2. LOCATION Dayton, Ohio
3. SOURCE Civilian 4. NUMBER OF OBJECTS One (1)	10. CONCLUSION Probable Aircraft
5. LENGTH OF OBSERVATION 30 seconds 6. TYPE OF OBSERVATION Ground-Visual 7. COURSE NNE to NNW 8. PHOTOS ☐ Yes ☒ No 9. PHYSICAL EVIDENCE ☐ Yes ☒ No	11. BRIEF SUMMARY AND ANALYSIS Observer sighted a yellowish-white light that traveled from the NNE to the NNW. COMMENTS: Aircraft arriving and departing Wright-Patterson Air Force Base often fly over the Huber Heights area of Dayton. There is no reason to assume the sighting was of anything other than an aircraft.

FTD FORM SEP 63 0-329 (TDE) Previous editions of this form may be used.

SIGHTING OF UNIDENTIFIED PHENOMENA QUESTIONNAIRE	*BUDGET BUREAU APPROVAL NUMBER 21-R253*

THIS QUESTIONNAIRE HAS BEEN PREPARED SO THAT YOU CAN GIVE THE U.S. AIR FORCE AS MUCH INFORMATION AS POSSIBLE CONCERNING THE UNIDENTIFIED PHENOMENON THAT YOU HAVE OBSERVED. PLEASE TRY TO ANSWER ALL OF THE QUESTIONS. THE INFORMATION YOU GIVE WILL BE USED FOR RESEARCH PURPOSES. YOUR NAME WILL NOT BE USED IN CONNECTION WITH ANY OF YOUR STATEMENTS OR CONCLUSIONS WITHOUT YOUR PERMISSION. RETURN TO AIR FORCE BASE INVESTIGATOR FOR FORWARDING TO FTD (TDETR), WRIGHT-PATTERSON AFB, OHIO 45433, IAW AFR 80-17. *(IF ADDITIONAL SHEETS ARE NEEDED FOR NARRATIVE OR SKETCHES ATTACH SECURELY TO THIS FORM OR ANNOTATE WITH YOUR NAME FOR IDENTIFICATION.)*

1. WHEN DID YOU SEE THE PHENOMENON?
1912 DAY 29 MONTH Nov YEAR 69

2. WHAT TIME DID YOU FIRST SIGHT THE PHENOMENON?
HOUR ~~4~~ 7 MINUTES 12 ☐ A.M. ☒ P.M.

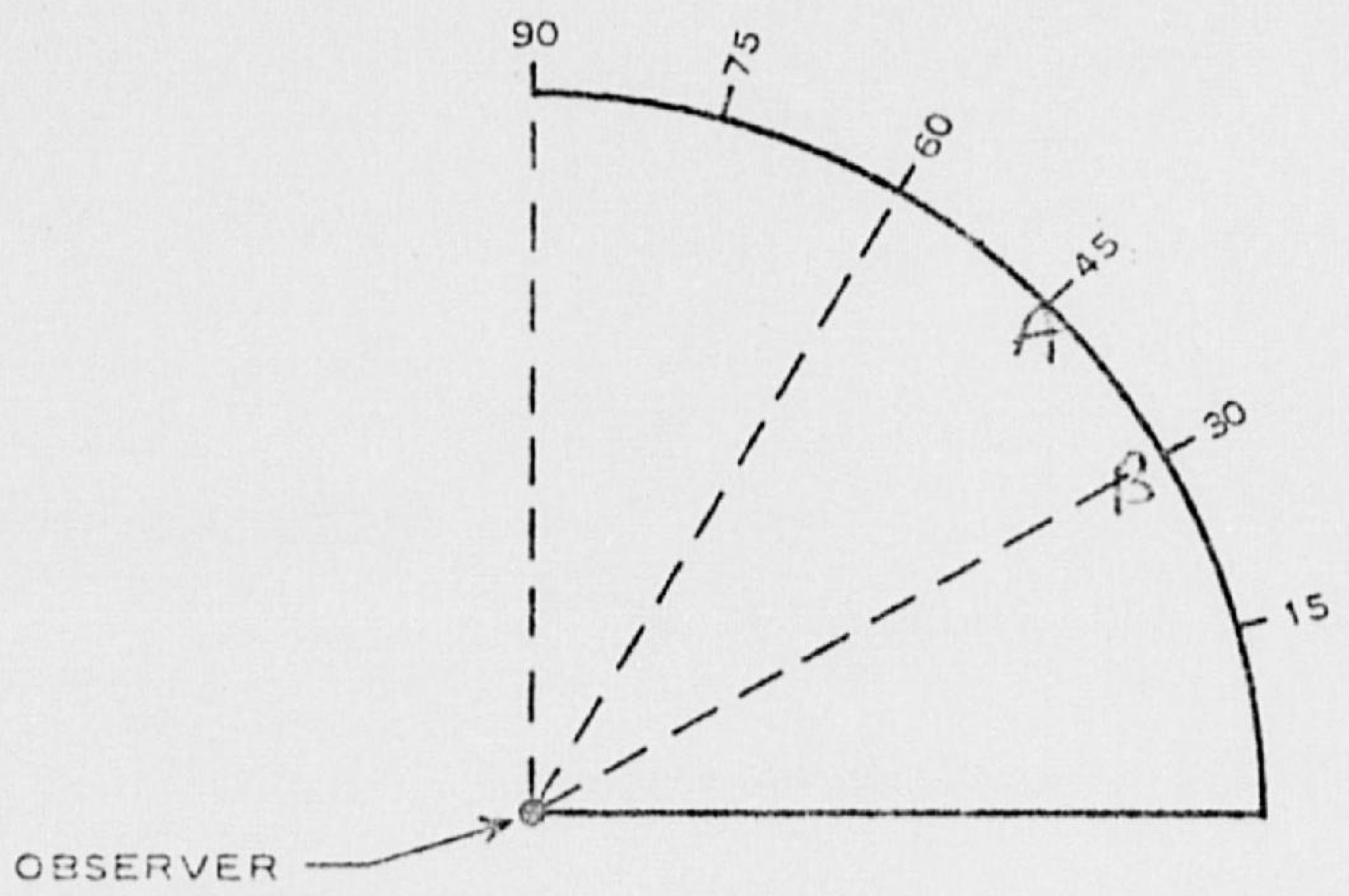
3. WHAT TIME DID YOU LAST SIGHT THE PHENOMENON?
HOUR 7 MINUTES 12 ☐ A.M. ☒ P.M.

4. TIME/ZONE ☐ DAYLIGHT SAVINGS ☒ STANDARD
☒ EASTERN ☐ CENTRAL ☐ MOUNTAIN ☐ PACIFIC ☐ OTHER

5. WHERE WERE YOU WHEN YOU SAW THE PHENOMENON? IF IN CITY, GIVE THE NEAREST STREET ADDRESS AND INDICATE ON A HAND DRAWN MAP WHERE YOU WERE STANDING WITH REFERENCE TO THE ADDRESS. IF IN THE COUNTRY, IDENTIFY THE HIGHWAY YOU WERE ON OR NEAR AND TRY TO FIX A DISTANCE AND DIRECTION FROM SOME RECOGNIZABLE LANDMARK.

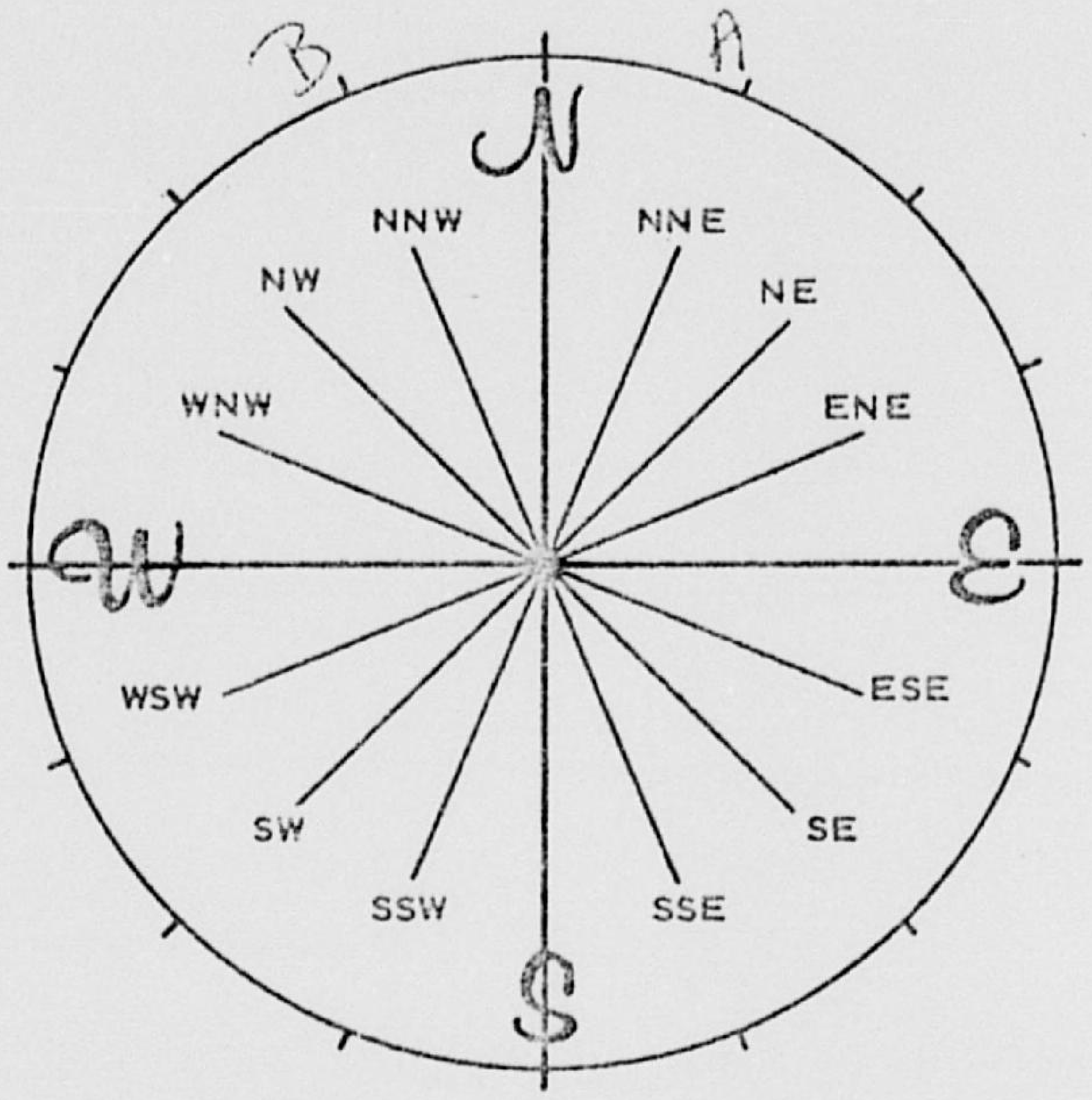
[redacted]

6. IMAGINE YOU ARE AT THE POINT SHOWN IN THE SKETCH, PLACE AN "A" ON THE CURVED LINE TO SHOW HOW HIGH THE PHENOMENON WAS ABOVE THE HORIZON, OR SKYLINE, WHEN FIRST SEEN. PLACE A "B" ON THE SAME CURVED LINE TO SHOW HOW HIGH ABOVE THE HORIZON THE PHENOMENON WAS WHEN LAST SEEN.

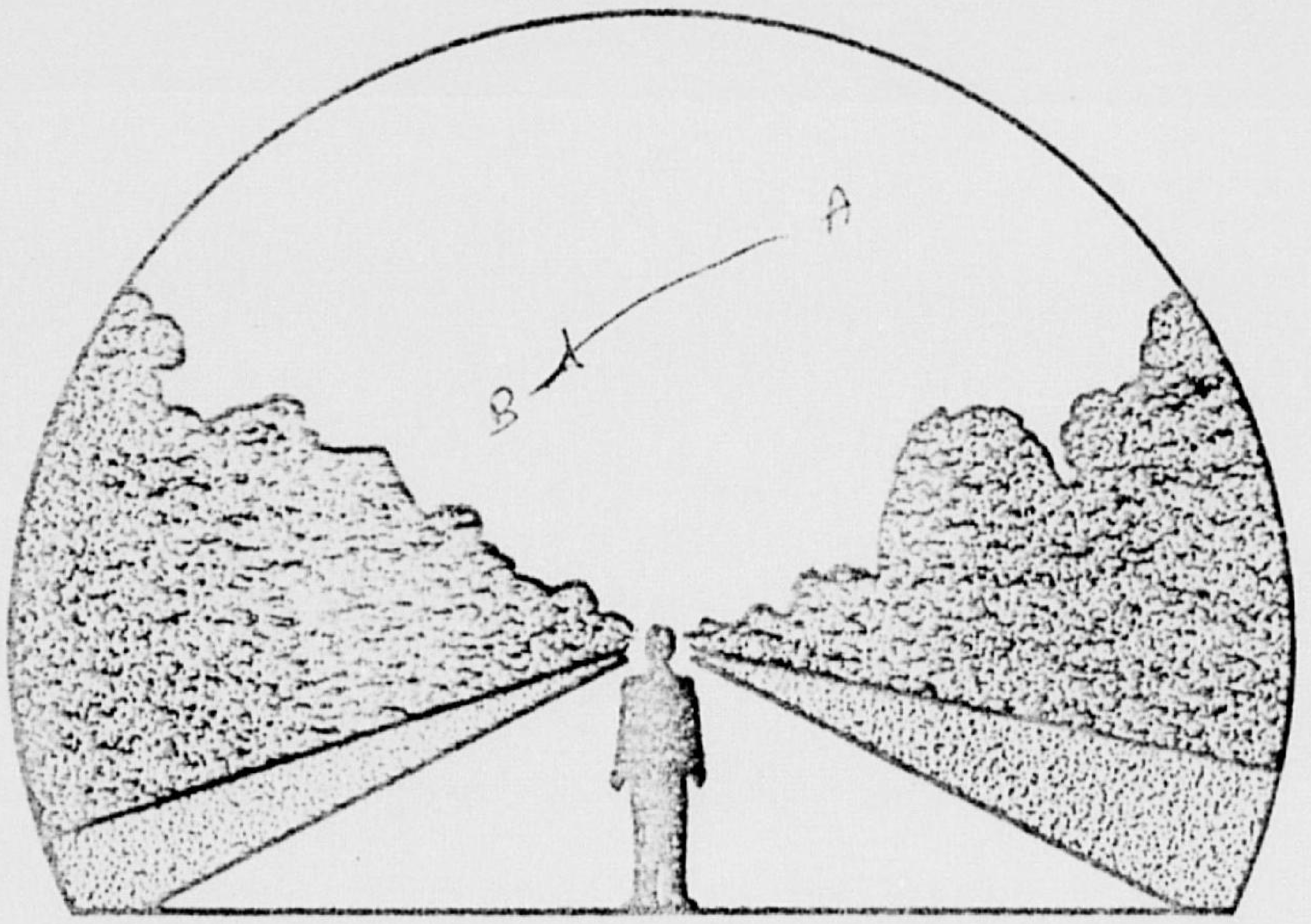


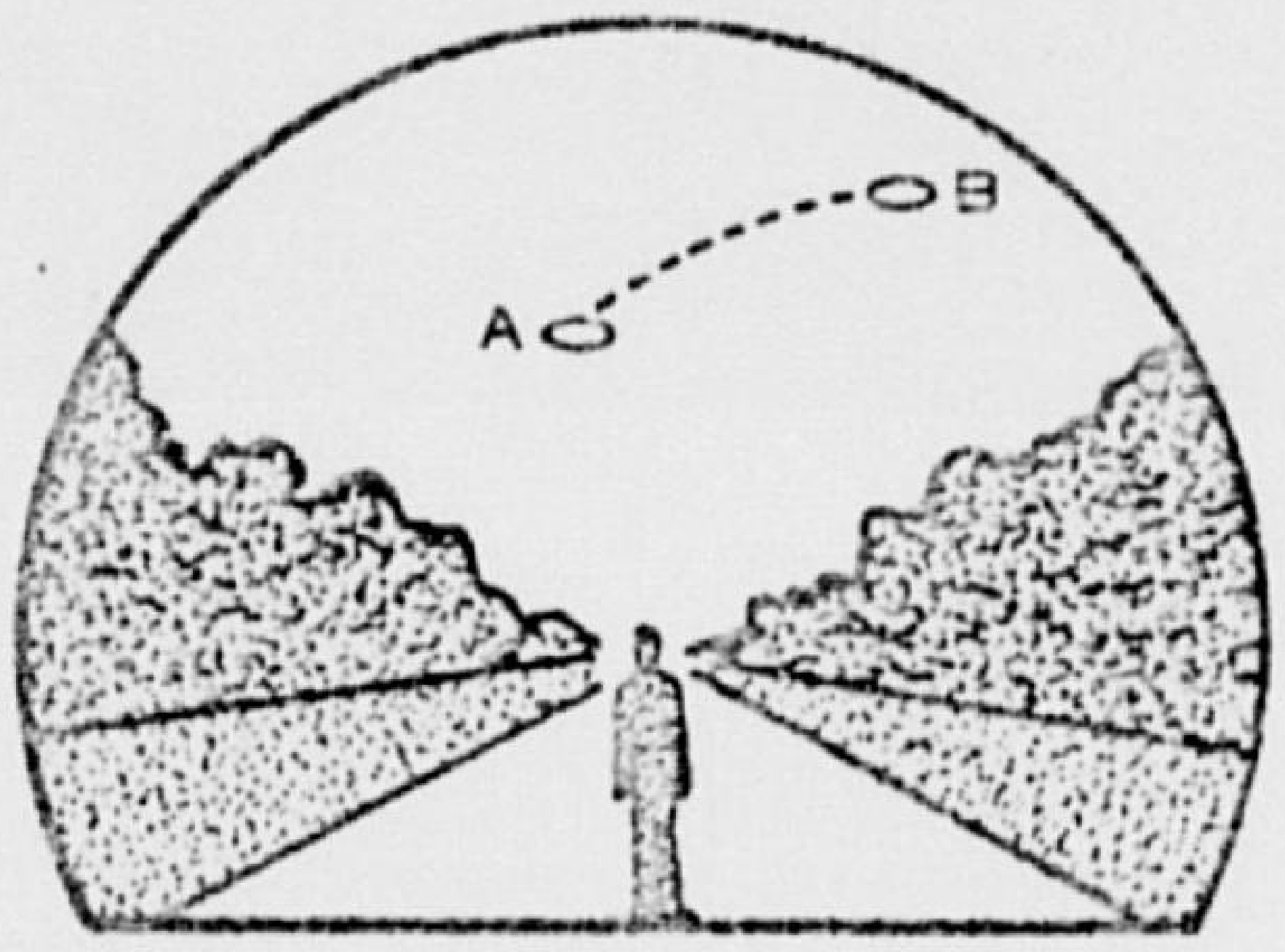
AF FORM AUG 67 117

6A. NOW IMAGINE YOU ARE AT THE CENTER OF THE COMPASS ROSE. PLACE AN "A" ON THE COMPASS TO INDICATE THE DIRECTION TO THE PHENOMENON WHEN FIRST SEEN. PLACE A "B" ON THE COMPASS TO INDICATE THE DIRECTION TO THE PHENOMENON WHEN LAST SEEN.



7. IN THE SKETCH BELOW, PLACE AN "A" AT THE POSITION OF THE PHENOMENON WHEN FIRST SEEN, AND A "B" AT THE POSITION OF THE PHENOMENON WHEN LAST SEEN. CONNECT THE "A" AND "B" WITH A LINE TO APPROXIMATE THE MOVEMENT OF THE PHENOMENON BETWEEN "A" AND "B". THAT IS, SCHEMATICALLY SHOW WHETHER THE MOVEMENT APPEARED TO BE STRAIGHT, CURVED OR ZIG-ZAG. REFER TO SMALLER SKETCH AS AN EXAMPLE OF HOW TO COMPLETE THE LARGER SKETCH.





8. WHERE WERE YOU WHEN YOU SAW THE PHENOMENON? *(Check appropriate blocks.)*

X	OUTDOORS		IN BUSINESS SECTION OF CITY
	IN BUILDING	X	IN RESIDENTIAL SECTION OF CITY
	IN CAR ☐ AS DRIVER ☐ AS PASSENGER		IN OPEN COUNTRYSIDE
	IN BOAT	X	NEAR AIRFIELD
	IN AIRPLANE ☐ AS PILOT ☐ AS PASSENGER		FLYING OVER CITY
	OTHER		FLYING OVER OPEN COUNTRY
			OTHER

A. IF YOU WERE IN A VEHICLE, COMPLETE THE FOLLOWING:

WHAT DIRECTION WERE YOU MOVING?			
	NORTH		EAST
	SOUTH		WEST
	NORTHEAST		SOUTHEAST
	NORTHWEST		SOUTHWEST

HOW FAST WERE YOU MOVING?

DID YOU STOP ANYTIME WHILE OBSERVING THE PHENOMENON? ☐ YES ☐ NO

EXPLAIN WHETHER SUCH MOVEMENT AFFECTS YOUR SKETCHES IN ITEMS 5 AND 6.

DESCRIBE TYPE OF VEHICLE YOU WERE IN AND TYPE OF ROAD, TERRAIN OR BODY OF WATER YOU TRAVERSED DURING THE SIGHTING. STATE WHETHER WINDOWS OR CONVERTIBLE TOP WERE UP OR DOWN.

HOW MUCH OTHER TRAFFIC WAS THERE?

DID YOU NOTICE ANY AIRPLANES? ☐ YES ☑ NO. IF "YES," DESCRIBE WHEN THEY WERE IN SIGHT RELATIVE TO THE TIME OF SIGHTING THE PHENOMENON AND WHERE THEY WERE IN THE SKY RELATIVE TO THE POSITION OF THE PHENOMENON.

9. HOW LONG WAS THE PHENOMENON IN SIGHT?

LENGTH OF TIME 30 SECONDS	X	CERTAIN OF TIME		NOT VERY SURE
		FAIRLY CERTAIN		JUST A GUESS

HOW WAS TIME DETERMINED?

WAS THE PHENOMENON IN SIGHT CONTINUOUSLY? ☒ YES ☐ NO. IF "NO," INDICATE WHETHER THIS IS DUE TO YOUR MOVEMENT OR THE BEHAVIOR OF THE PHENOMENON, AND DESCRIBE SUCH MOVEMENT OR BEHAVIOR. INDICATE DISAPPEARANCES ON PREVIOUS SKETCHES.

10. IF THERE WERE MORE THAN ONE PHENOMENON, HOW MANY WERE THERE? DRAW A PICTURE TO SHOW HOW THEY WERE ARRANGED. DID THIS ARRANGEMENT CHANGE DURING THE SIGHTING?

11. CONDITIONS *(Check appropriate blocks.)*

A.	SKY	B.	WEATHER		
	DAY		CUMULUS CLOUDS *(Low fluffy)*		FOG OR MIST
	TWILIGHT		CIRRUS CLOUDS *(High fleecy or Herring-bone)*		HEAVY RAIN
✓	NIGHT				LIGHT RAIN OR DRIZZLE
✓	CLEAR		NIMBUS CLOUDS *(Rain)*		HAIL
	PARTLY CLOUDY		CUMULONIMBUS CLOUDS *(Thunderstorms)*		SNOW OR SLEET
	COMPLETELY OVERCAST				UNKNOWN
			HAZE OR SMOG		NONE OF THE ABOVE

C. IF THE SIGHTING WAS AT TWILIGHT OR NIGHT, WHAT DID YOU NOTICE ABOUT THE STARS AND MOON?

(1)	STARS	(2)	MOON		
	NONE		BRIGHT MOONLIGHT	X	NO MOONLIGHT
X	A FEW		MOON WITH HALO		UNKNOWN
	MANY		MOON HIDDEN BY CLOUDS		
	UNKNOWN		PARTIAL *(New or quarter)*		

D. IF SIGHTING WAS IN DAYLIGHT, WAS THE SUN VISIBLE? ☐ YES ☐ NO. IF "YES," WHERE WAS THE SUN AS YOU FACED THE PHENOMENON?

	IN FRONT OF YOU		TO YOUR RIGHT		OVERHEAD *(Near noon)*
	IN BACK OF YOU		TO YOUR LEFT		UNKNOWN

E. SPECIFY THE MAJOR SOURCE OF ILLUMINATION PRESENT DURING THE SIGHTING, SUCH AS THE SUN, HEADLIGHTS OR STREET LAMP, ETC. FOR TERRESTRIAL ILLUMINATION, SPECIFY DISTANCE TO LIGHT SOURCE.

No other lights

12. GIVE A BRIEF DESCRIPTION OF THE PHENOMENON, INDICATING WHETHER IT APPEARED DARK OR LIGHT, WHETHER IT REFLECTED LIGHT OR WAS SELF-LUMINOUS AND WHAT COLORS YOU NOTICED. DESCRIBE YOUR IMPRESSION OF WHETHER IT WAS SOLID OR TRANSPARENT, WHETHER EDGES WERE SHARP OR FUZZY. DESCRIBE THE SHAPE OR INDICATE IF IT APPEARED AS A POINT OF LIGHT. INDICATE COMPARISONS WITH OTHER OBSERVED OBJECTS, LIKE STARS, A LIGHT OR OTHER OBJECT IN YOUR FIELD OF VIEW.

It appeared light - to be glowing
whitish yellow - solid
fuzzy - round circle - flattend on top and
bottom

13. DID THE PHENOMENON	YES	NO	UNKNOWN
MOVE IN A STRAIGHT LINE?	X		
STAND STILL AT ANYTIME?		X	
SUDDENLY SPEED UP AND RUN AWAY?		X	
BREAK UP IN PARTS AND EXPLODE?		X	
CHANGE COLOR?		X	
GIVE OFF SMOKE?		X	
CHANGE BRIGHTNESS?		X	
CHANGE SHAPE?		X	
FLASH OR FLICKER?		X	
DISAPPEAR AND REAPPEAR?		X	
SPIN LIKE A TOP?		X	
MAKE A NOISE? very low noise	X		
FLUTTER OR WOBBLE?		X	

14. WHAT DREW YOUR ATTENTION TO THE PHENOMENON?

Happened to look at sky and saw it.

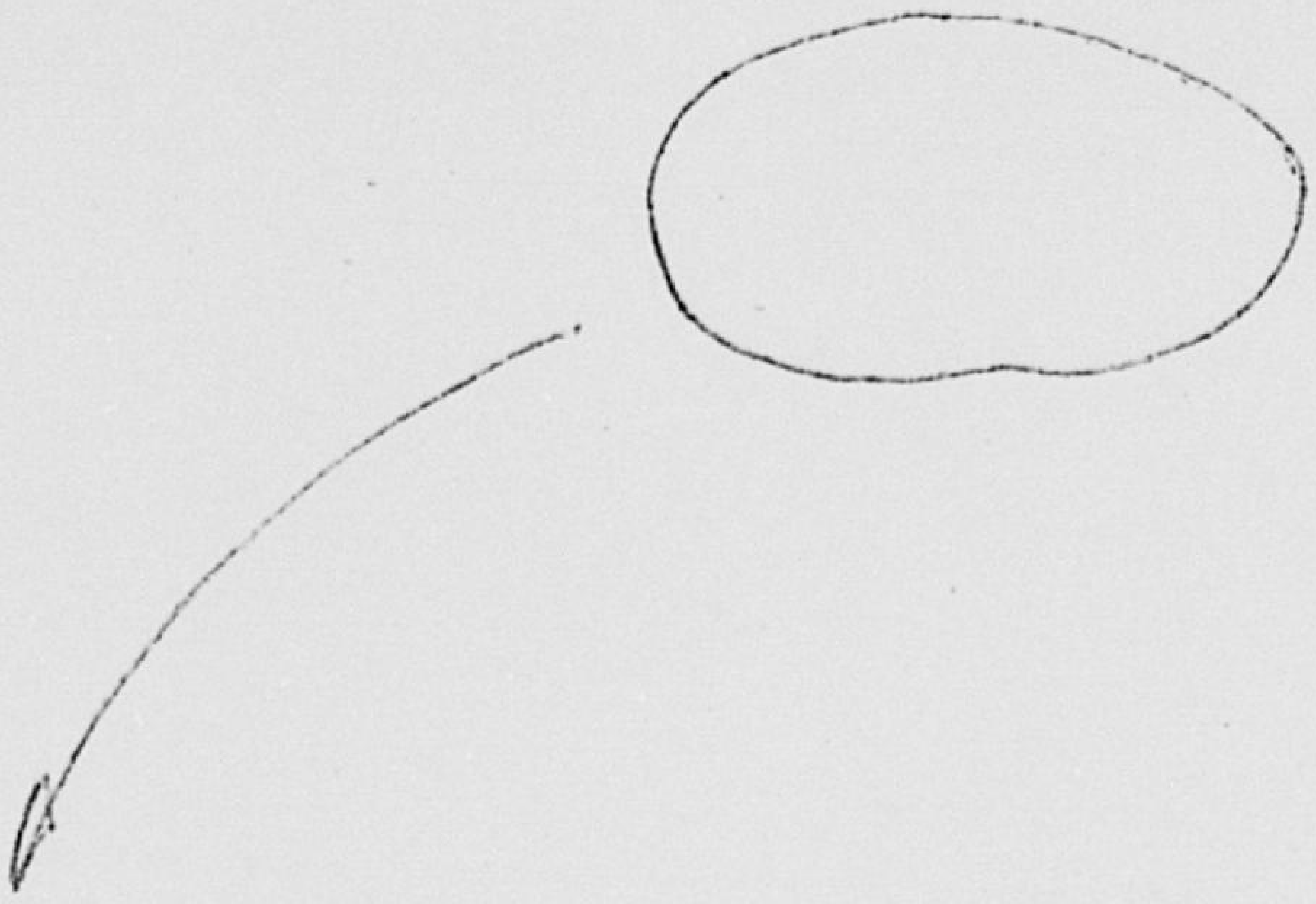
A. HOW DID IT FINALLY DISAPPEAR?

Disappeared behind the houses

B. DID THE PHENOMENON MOVE BEHIND OR IN FRONT OF SOMETHING, LIKE A CLOUD, TREE, OR BUILDING AT ANY TIME?
☒ YES ☐ NO. IF "YES," DESCRIBE.

See above

15. DRAW A PICTURE THAT WILL SHOW THE SHAPE OF THE PHENOMENON. INCLUDE AND LABEL ANY DETAILS THAT MIGHT HAVE APPEARED AS WINGS OR PROTRUSIONS, AND INDICATE EXHAUST OR VAPOR TRAILS. INDICATE BY AN ARROW THE DIRECTION THE PHENOMENON WAS MOVING.



16. WHAT WAS THE ANGULAR SIZE? HOLD A MATCH AT ARM'S LENGTH IN FRONT OF A KNOWN OBJECT, SUCH AS A STREET LAMP OR THE MOON. NOTE HOW MUCH OF THE OBJECT IS COVERED BY THE HEAD OF THE MATCH. NOW IF YOU HAD BEEN ABLE TO PERFORM THIS EXPERIMENT AT THE TIME OF THE SIGHTING, ESTIMATE WHAT FRACTION OF THE PHENOMENON WOULD HAVE BEEN COVERED BY THE MATCH HEAD.

2/3

17. DID YOU OBSERVE THE PHENOMENON THROUGH ANY OF THE FOLLOWING? INCLUDE INFORMATION ON MODEL, TYPE, FILTER, LENS PRESCRIPTION OR OTHER APPLICABLE DATA.

✓	EYEGLASSES		CAMERA VIEWER
	SUNGLASSES		BINOCULARS
	WINDSHIELD		TELESCOPE
	SIDE WINDOW OF VEHICLE		THEODOLITE
	WINDOWPANE		OTHER

A. DO YOU ORDINARILY WEAR GLASSES? ☒ YES ☐ NO

B. DO YOU USE READING GLASSES? ☒ YES ☐ NO

18. WHAT WAS YOUR IMPRESSION OF THE SPEED OF THE PHENOMENON? GIVE ESTIMATE OF SPEED fast > 100 mph

19. WHAT WAS YOUR IMPRESSION OF THE DISTANCE OF THE PHENOMENON? GIVE ESTIMATE OF DISTANCE 1/4 mile

20. IN ORDER THAT WE MAY OBTAIN AS CLEAR A PICTURE AS POSSIBLE OF WHAT YOU SAW, DESCRIBE IN YOUR OWN WORDS A COMMON OBJECT OR OBJECTS WHICH, WHEN PLACED IN THE SKY, SIMILAR TO WHERE YOU NOTED THE PHENOMENON, WOULD BEAR SOME RESEMBLANCE TO WHAT YOU SAW. DESCRIBE SIMILARITIES AND DIFFERENCES BETWEEN THE COMMON OBJECT AND WHAT YOU SAW.

flattened out sun - yellow white
Smaller than sun normally would
be.

21. DID YOU NOTICE ANY ODOR, NOISE, OR HEAT EMANATING FROM THE PHENOMENON OR ANY EFFECT ON YOURSELF, ANIMALS OR MACHINERY IN THE VICINITY? ☐ YES ☐ NO. IF "YES," DESCRIBE.

Low noise - might not of come from phenomenon

A. DID THE PHENOMENON DISTURB THE GROUND OR LEAVE ANY PHYSICAL EVIDENCE. ☐ YES ☒ NO. IF "YES," DESCRIBE.

22. HAVE YOU EVER SEEN THIS OR A SIMILAR PHENOMENON BEFORE? ☐ YES ☒ NO. IF "YES," GIVE DATE AND LOCATION.

23. WAS ANYONE WITH YOU AT THE TIME YOU SAW THE PHENOMENON? ☒ YES ☐ NO. IF "YES," DID THEY SEE IT TOO? ☒ YES ☐ NO.

A. LIST THEIR NAMES AND ADDRESSES

[redacted] [redacted]

24. GIVE THE FOLLOWING INFORMATION ABOUT YOURSELF

LAST NAME, FIRST NAME, MIDDLE NAME [redacted]

ADDRESS(S) [redacted] Ohio 45424

TELEPHONE [redacted]

AGE 12

☒ MALE ☐ FEMALE

INDICATE ADDITIONAL INFORMATION INCLUDING OCCUPATION AND ANY EXPERIENCE WHICH MAY BE PERTINENT.

25. WHEN AND TO WHOM DID YOU REPORT THAT YOU HAD SIGHTED THIS PHENOMENON?

NAME Lt. Richard Kennedy DAY 29 MONTH Nov YEAR 69

26. DATE YOU COMPLETED THIS QUESTIONNAIRE.

DAY 29 MONTH Nov YEAR 69

~~[illegible]~~

[redacted]

Dayton

U.S. DEPARTMENT OF COMMERCE/Environmental Science Services Administration/Environmental Data Service

DAILY WEATHER MAPS

WEEKLY SERIES NOVEMBER 3-9, 1969

The charts in this publication are a continuation of the principal charts of the Weather Bureau publication, *Daily Weather Map.* They include the Surface Weather Map, the 500-Millibar Chart, the Highest and Lowest Temperatures Chart, and the Daily Precipitation Chart. All of the charts for one day are arranged on a single page of this publication. They are copied from operational weather maps prepared by the National Meteorological Center, Weather Bureau. The symbols used on the Surface Weather Map and the 500-Millibar Chart are the same as those used previously in *Daily Weather Map.* [illegible] heet is available, and single copies may be obtained without charge by writing to: Environmental Science Services Administration, Publications Section, AD 143, Rockville, Maryland 20852. Bulk copies may be ordered from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, at a cost of $3.75 per 50 copies. Checks should be made payable to the Superintendent of Documents.

The Surface Weather Map presents station data and the analysis for 7:00 a.m./e.s.t. The tracks of well-defined low pressure areas are indicated by chains of arrows; the locations of these centers at times 6, 12, and 18 hours preceding map time are indicated by small black squares enclosing white crosses. Areas of precipitation are indicated by shading. The weather reports that are printed here are only a fraction of those that are included in the operational weather maps, and on which the analyses are based. Occasional apparent discrepancies between the printed station data and the analyses result from those station reports that cannot be included in the published maps because of lack of space.

The 500-Millibar Chart presents the height contours and isotherms of the 500-millibar surface at 7:00 a.m./e.s.t. The height contours are shown as continuous lines, and are labeled in feet above sea level. The isotherms are shown as dashed lines, and are labeled in degrees Celsius. The arrows show the wind direction and speed at the 500-millibar level.

The Highest and Lowest Temperatures Chart presents the maximum and minimum values for the 24-hour period ending at 1:00 a.m./e.s.t. The names of the reporting points can be obtained from the Surface Weather Map. The maximum temperature is plotted above the station location, and the minimum temperature is plotted below this point.

The Precipitation Areas and Amounts Chart indicates by means of shading the areas that had precipitation during the 24 hours ending at 1:00 a.m. Amounts in inches to the nearest hundredth of an inch are for the same period. Incomplete totals are underlined. "T" indicates a trace of precipitation. Dashed lines show the depth of snow on the ground in inches as of 7:00 a.m. of the previous day.

[illegible] weather maps prepared by the National Meteorological Center, Weather Bureau. The symbols used on the Surface Weather Map and the 500-Millibar Chart are the same as those used previously in *Daily Weather Map*. [illegible] available, and single copies may be obtained without charge by writing to: Environmental Science Services Administration, Publications Section, AD 143, Rockville, Maryland 20852. Bulk copies may be ordered from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, at a cost of $3.75 per 50 copies. Checks should

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The 500-Millibar Chart presents the height contours and isotherms of the 500-millibar surface at 7:00 a.m./e.s.t. The height contours are shown as continuous lines, and are labeled in feet

obtained from the Surface Weather Map. The maximum temperature is plotted above the station location, and the minimum temperature is plotted below this point.

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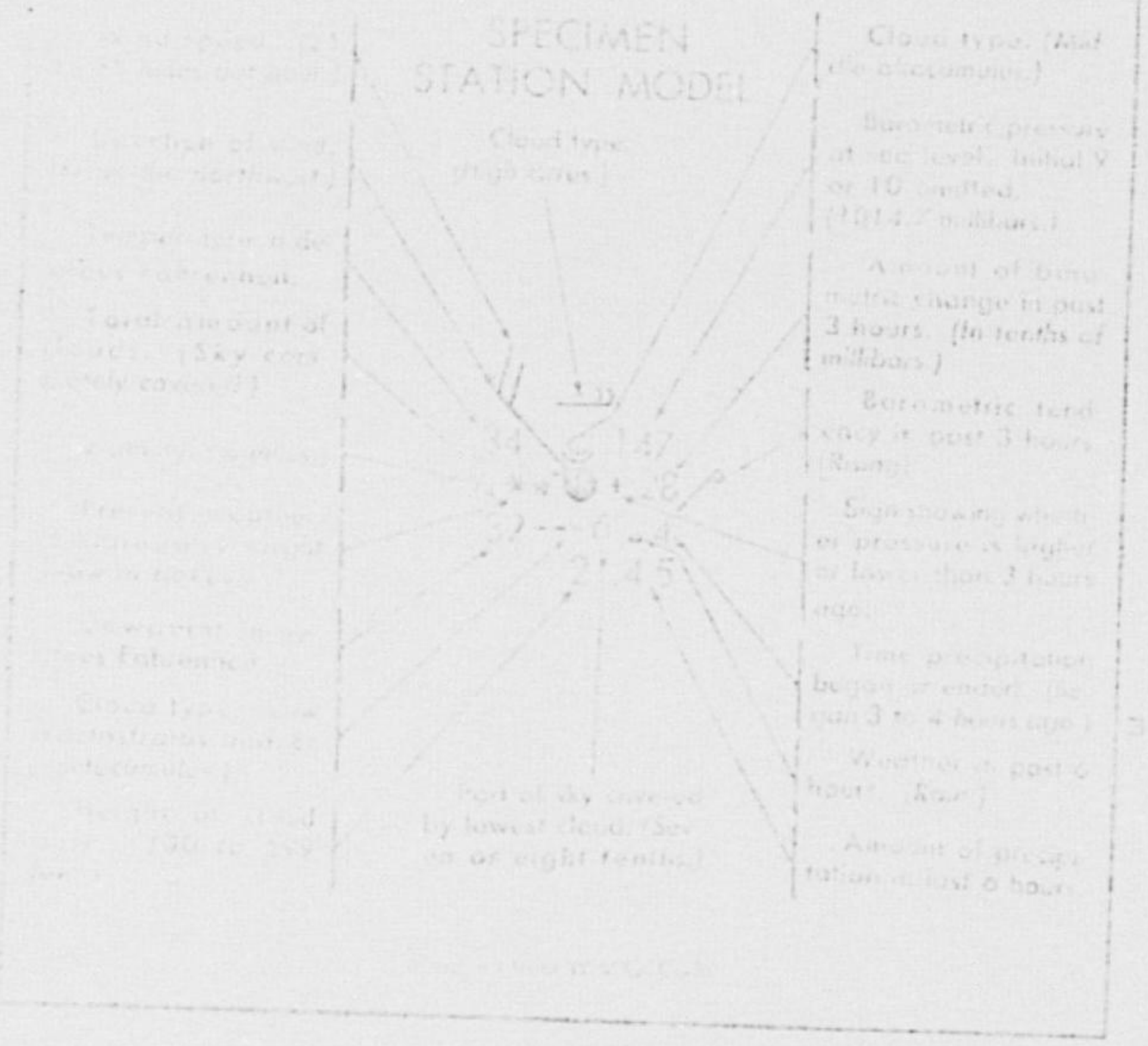

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IMMEDIATE – U.S. Weather Report

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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS FOREIGN TECHNOLOGY DIV
AFSC-TDPTR
WRIGHT-PATTERSON AFB OH 45433

UFO

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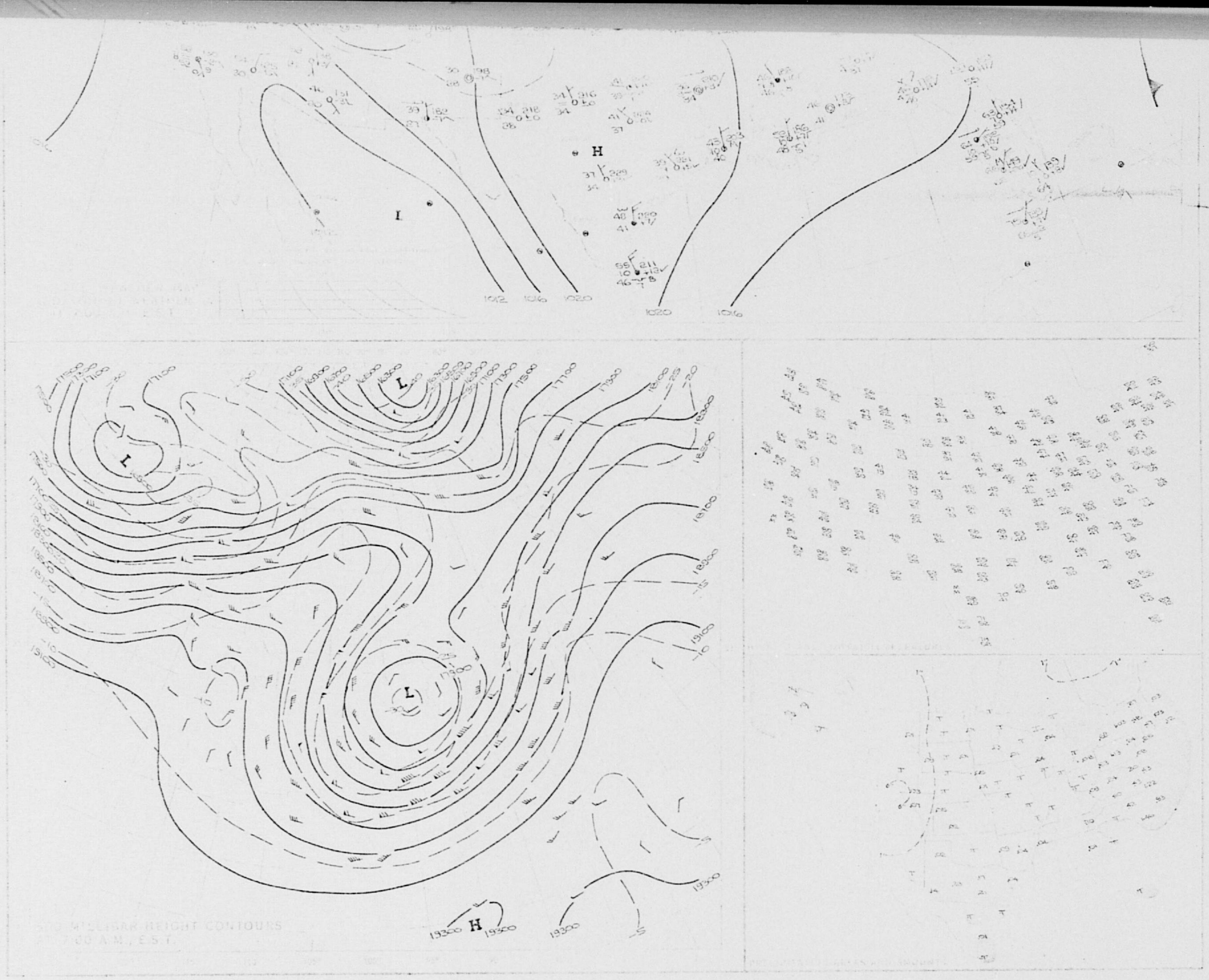
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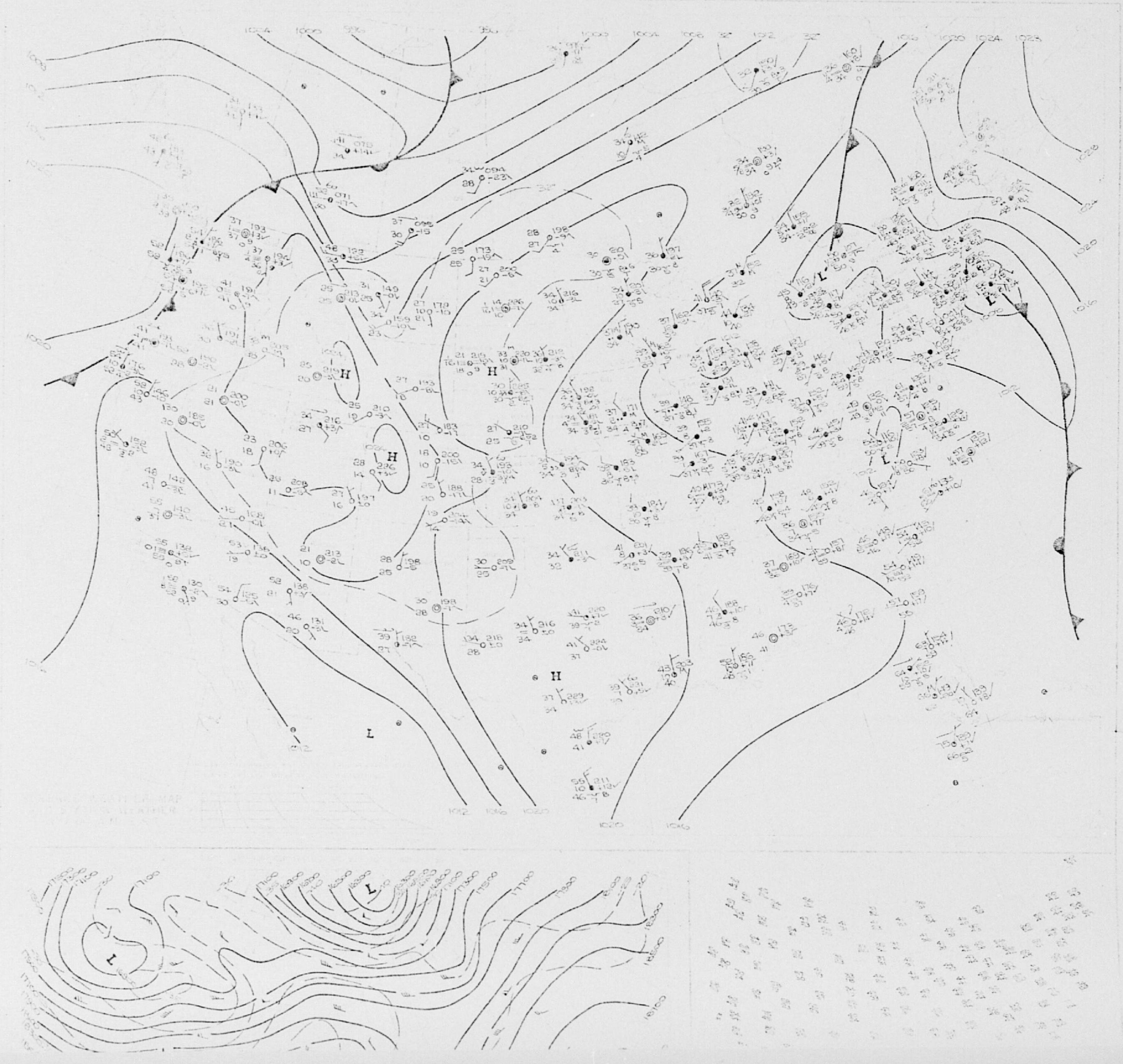
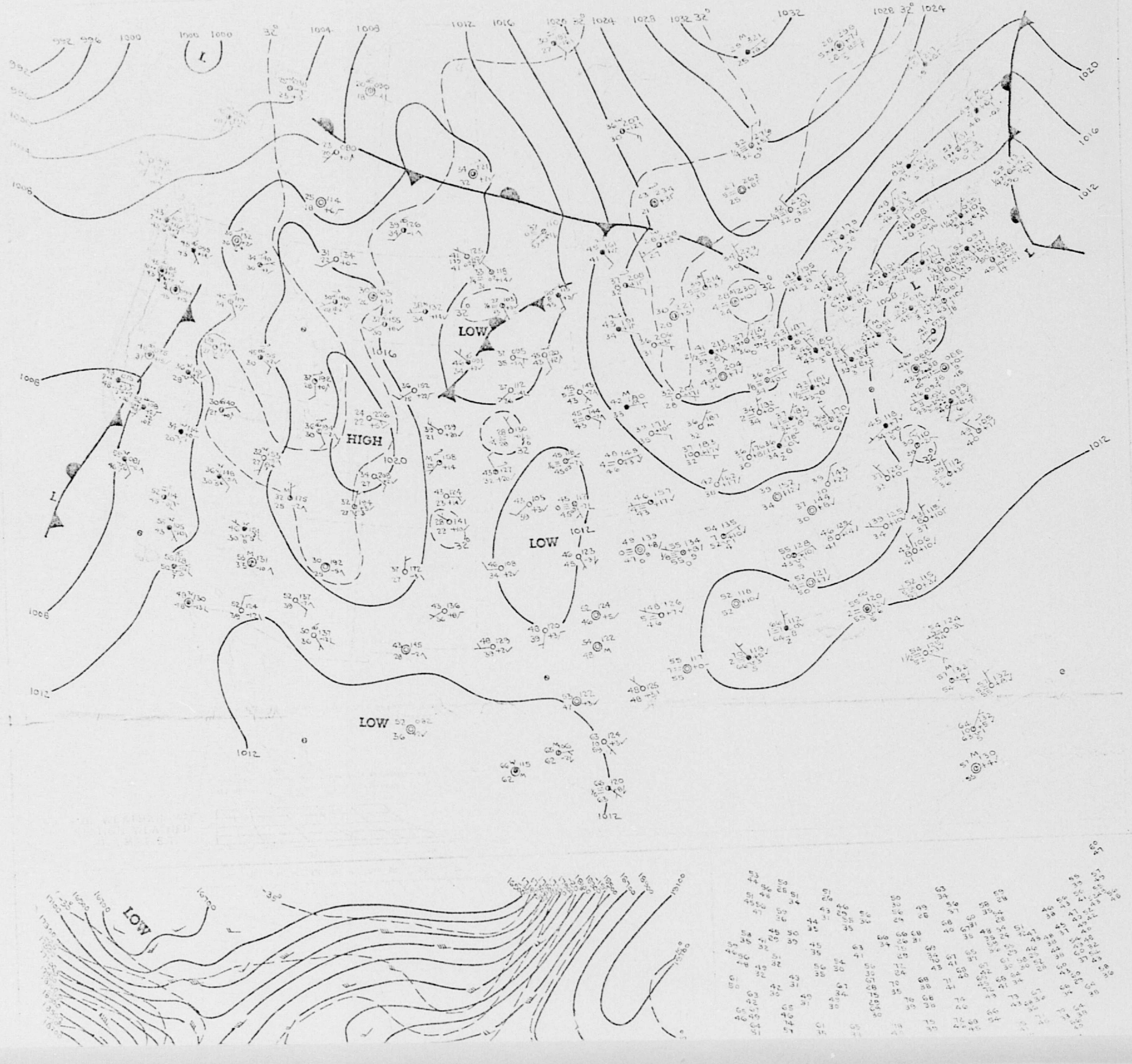
500-MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M., E.S.T.



SATURDAY, NOVEMBER 8, 1969



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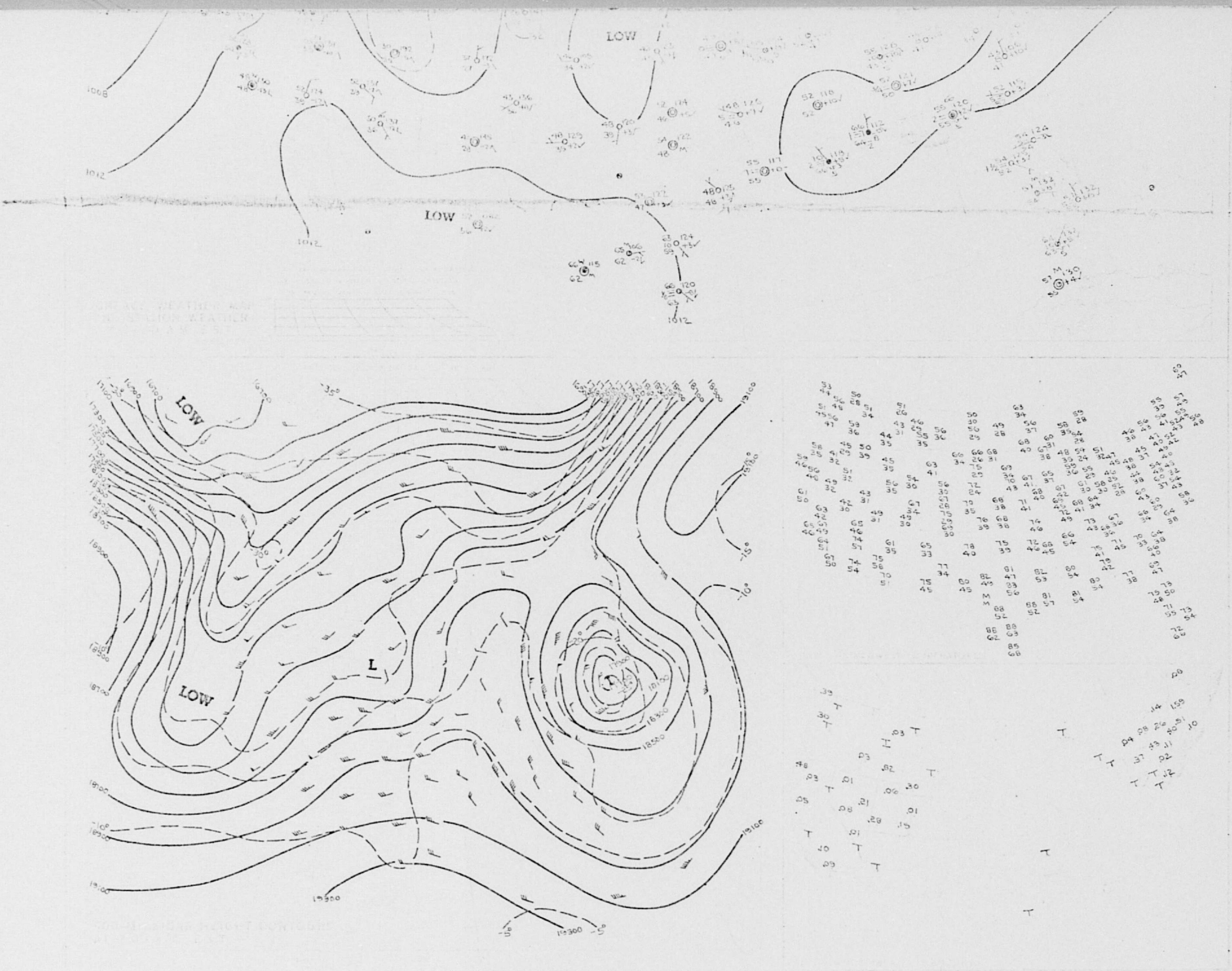
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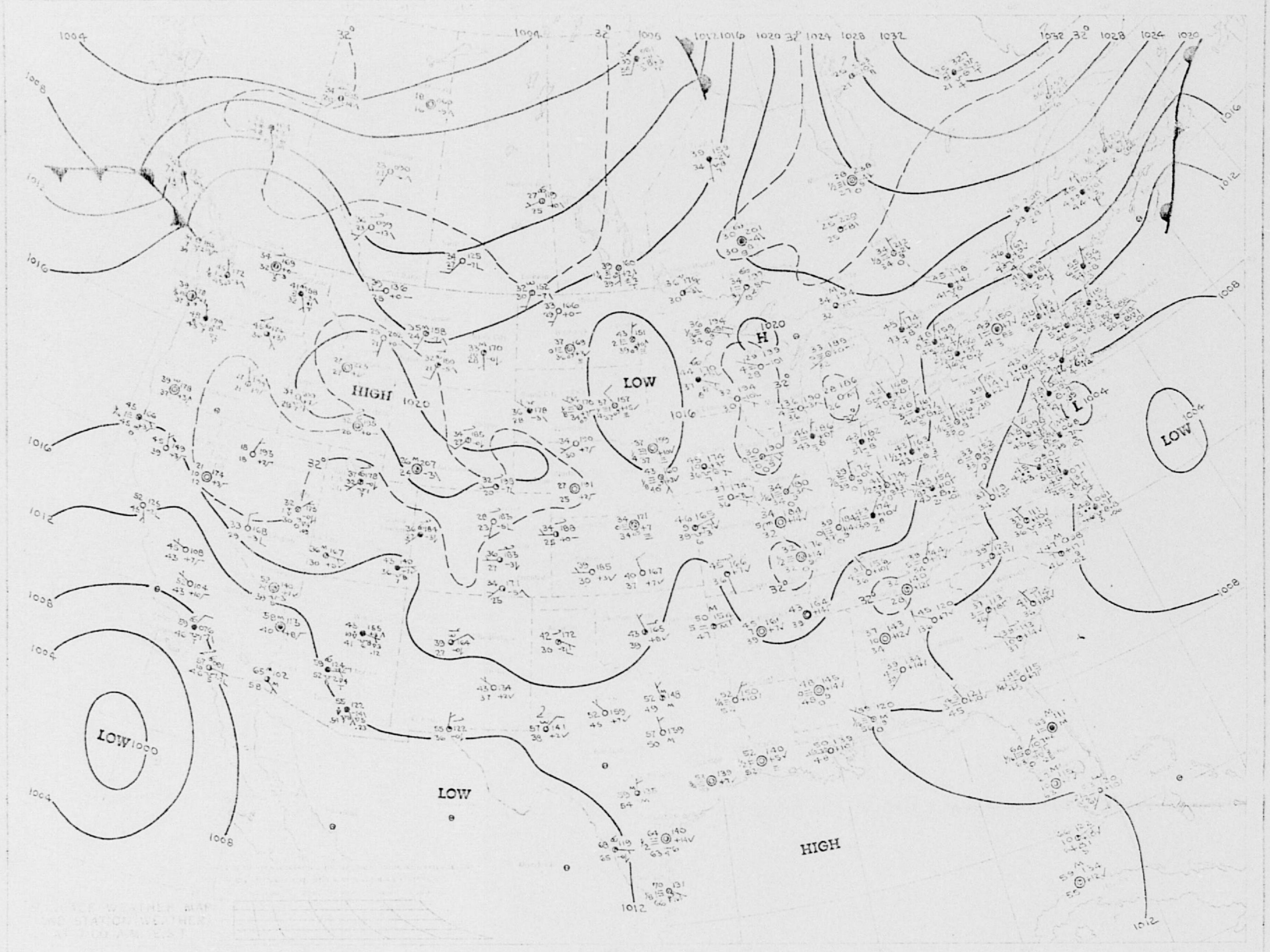
SUNDAY, NOVEMBER 9, 1969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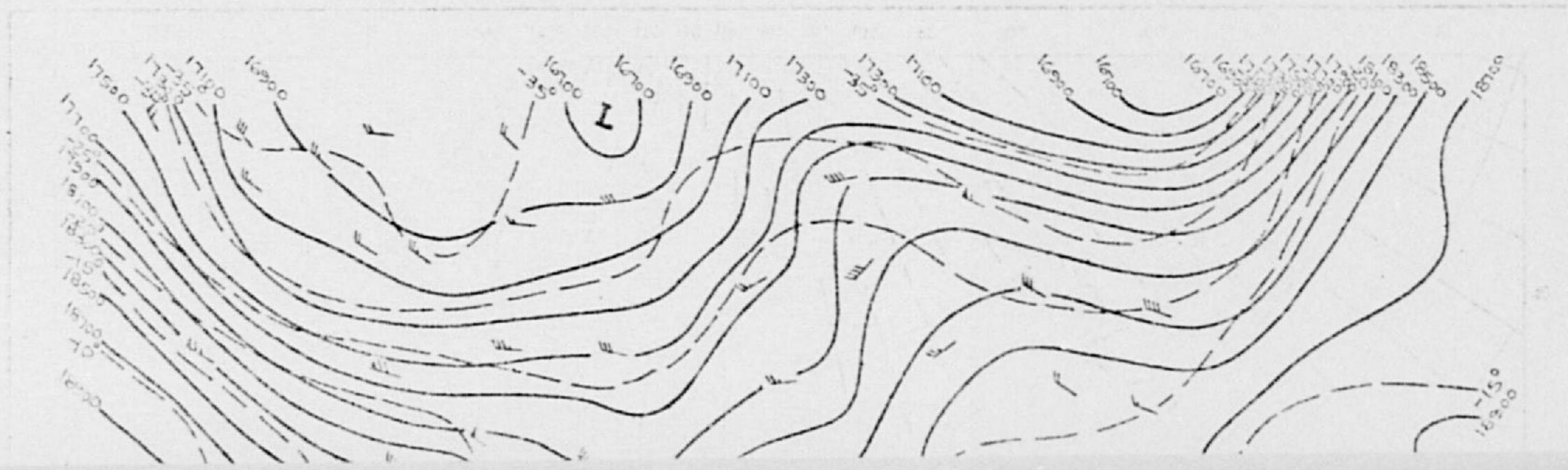

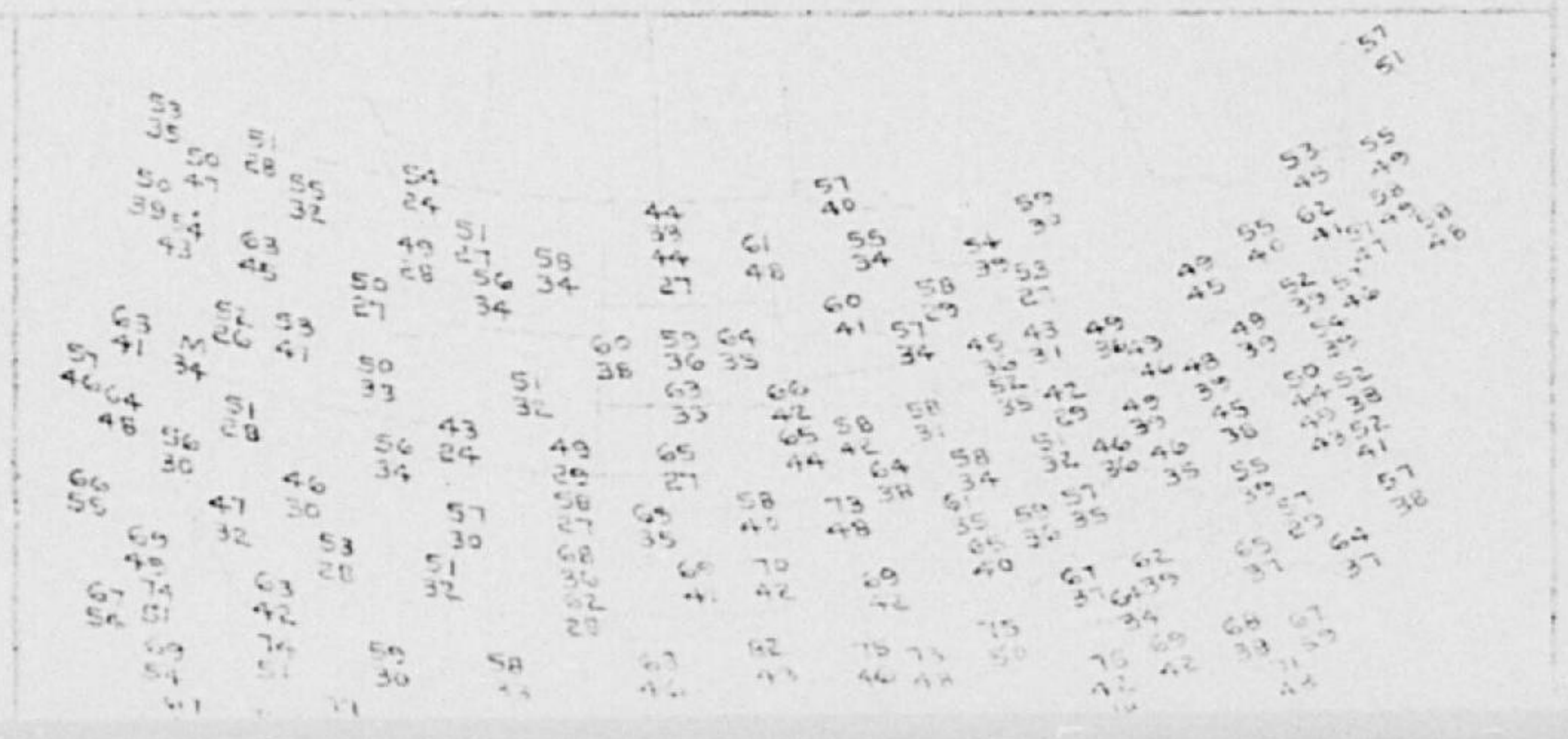

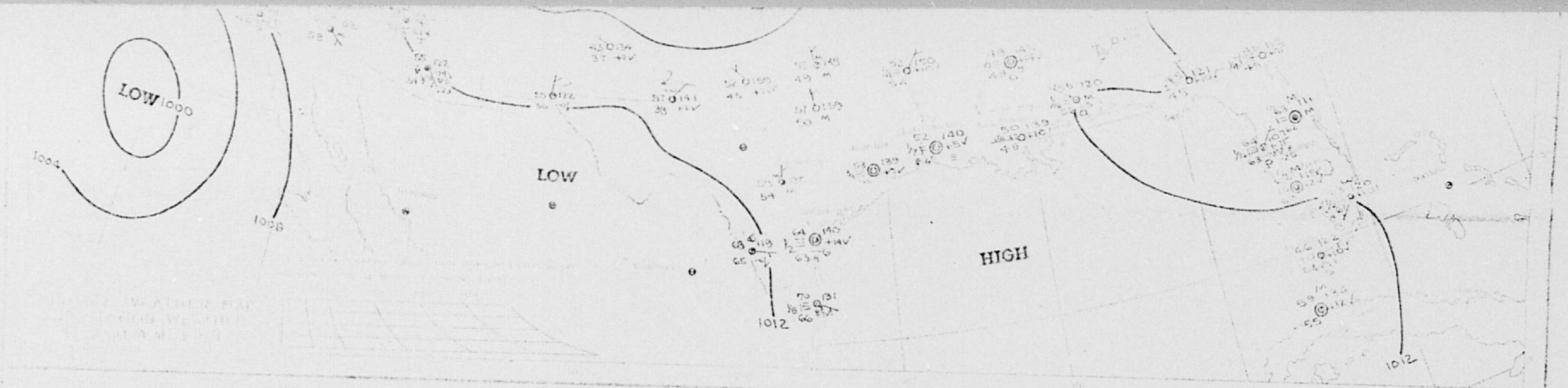
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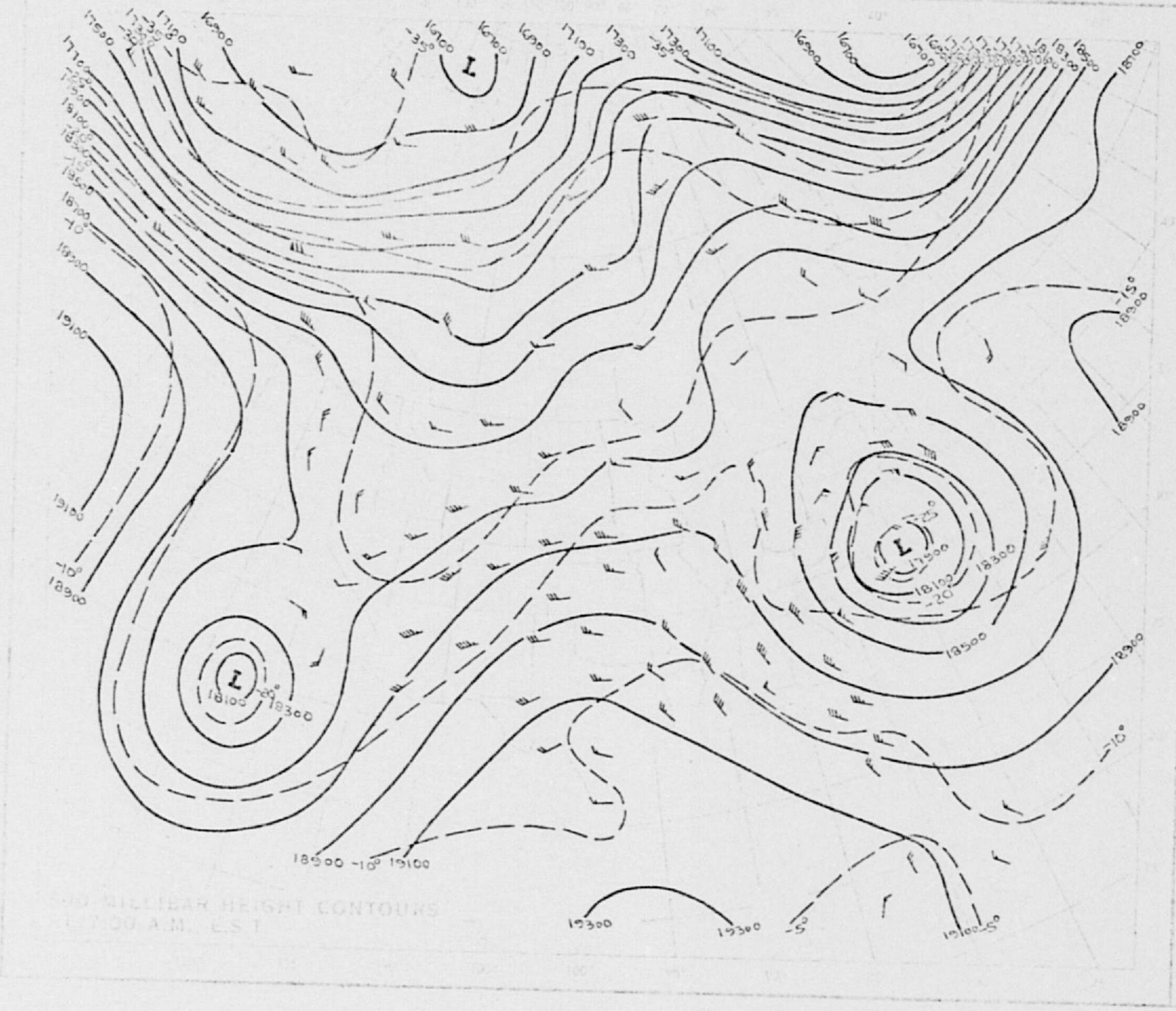
WEATHER MAP
STATION WEATHER
A.M., E.S.T.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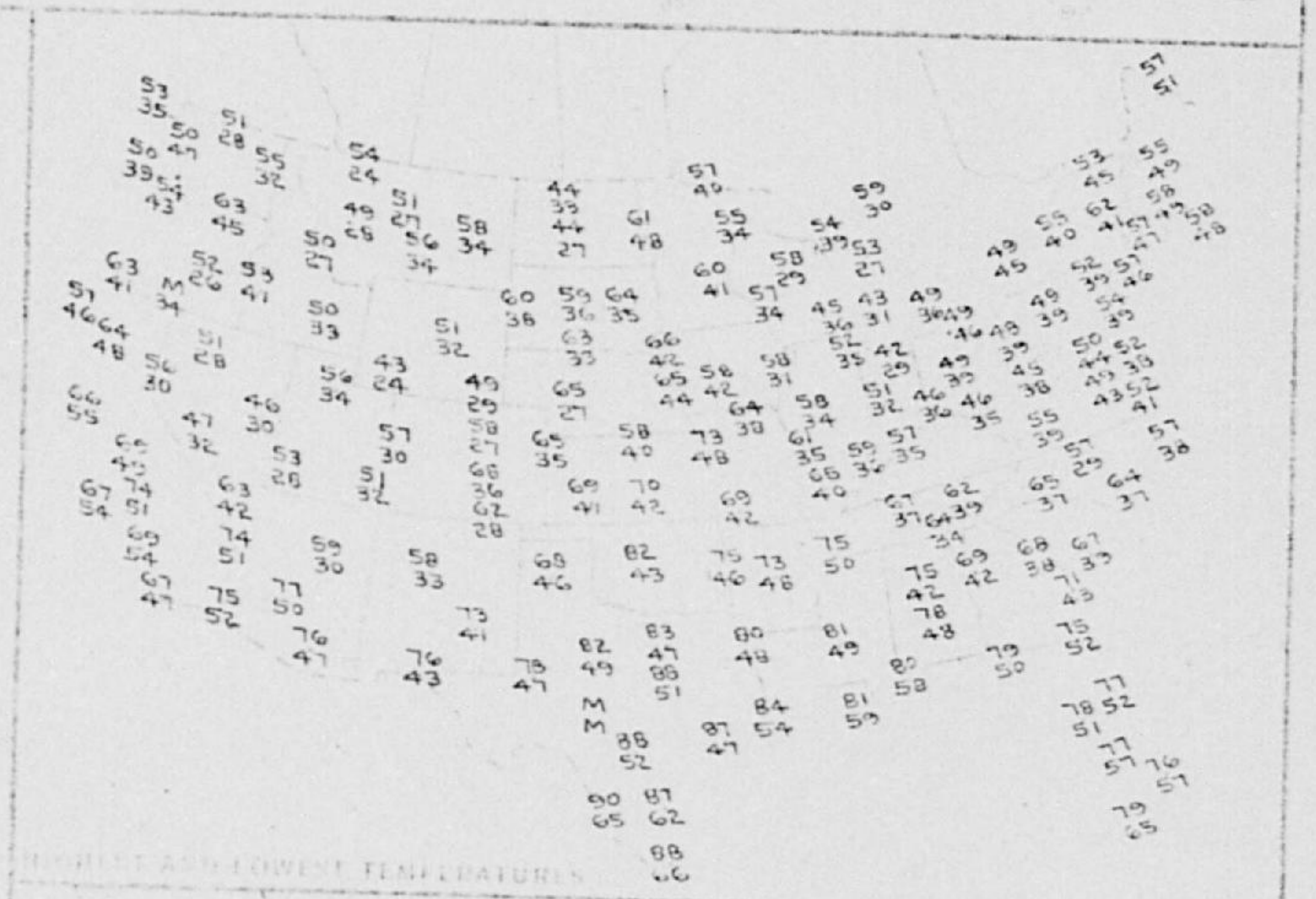
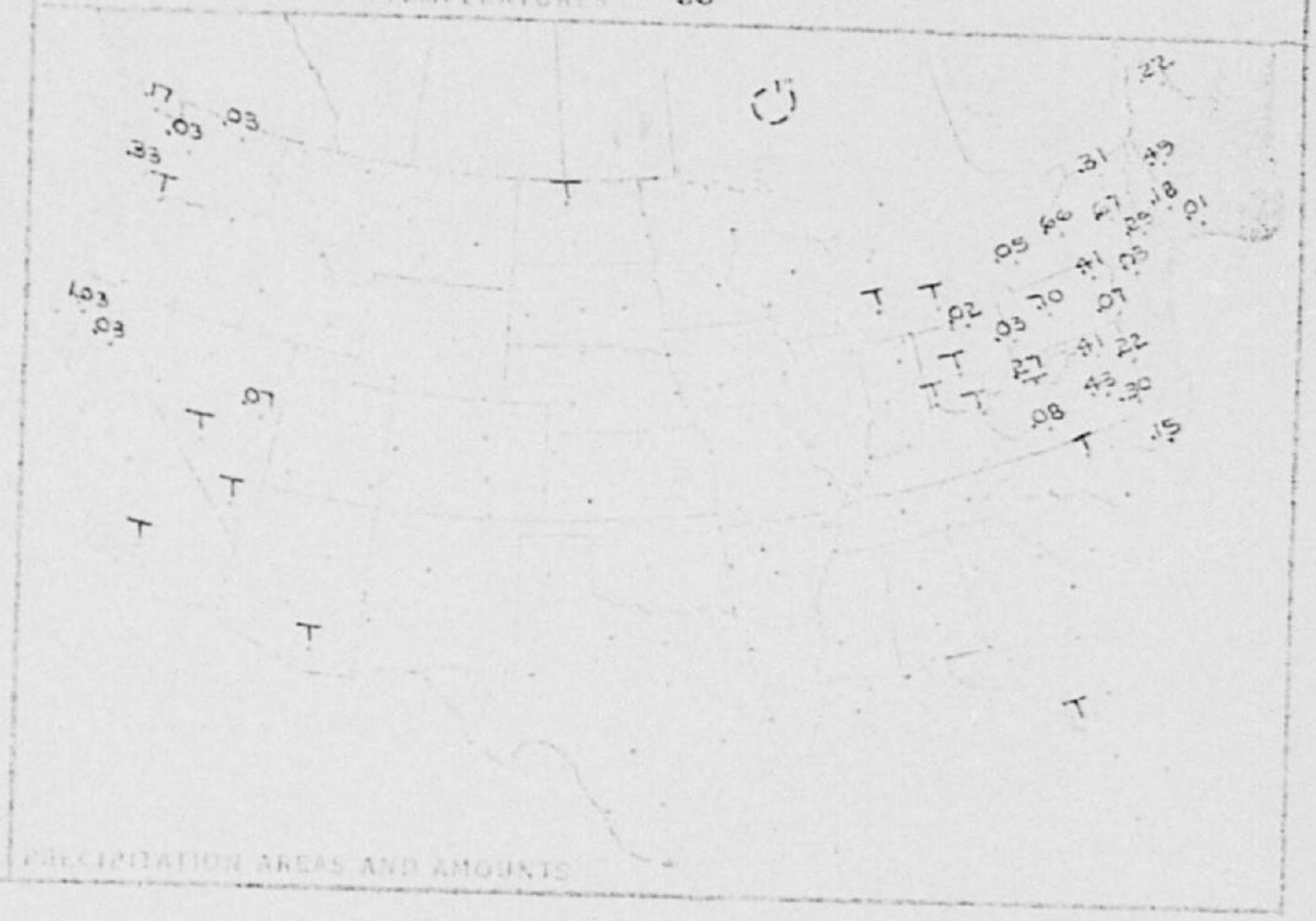
MILLIBAR HEIGHT CONTOURS
7:00 A.M., E.S.T.


HIGHEST AND LOWEST TEMPERATURES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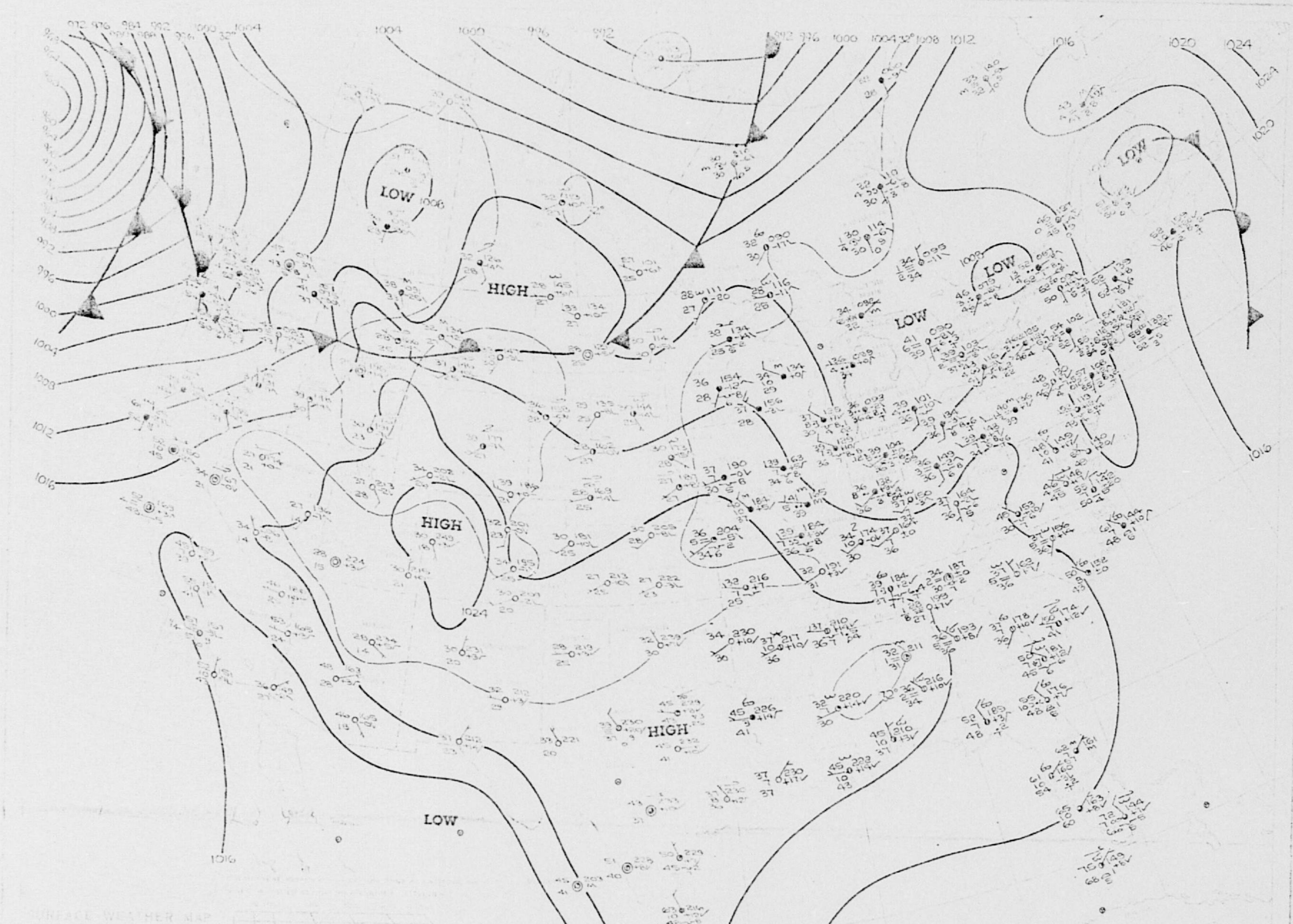
PRECIPITATION AREAS AND AMOUNTS


SURFACE WEATHER MAP
STATION WEATHER
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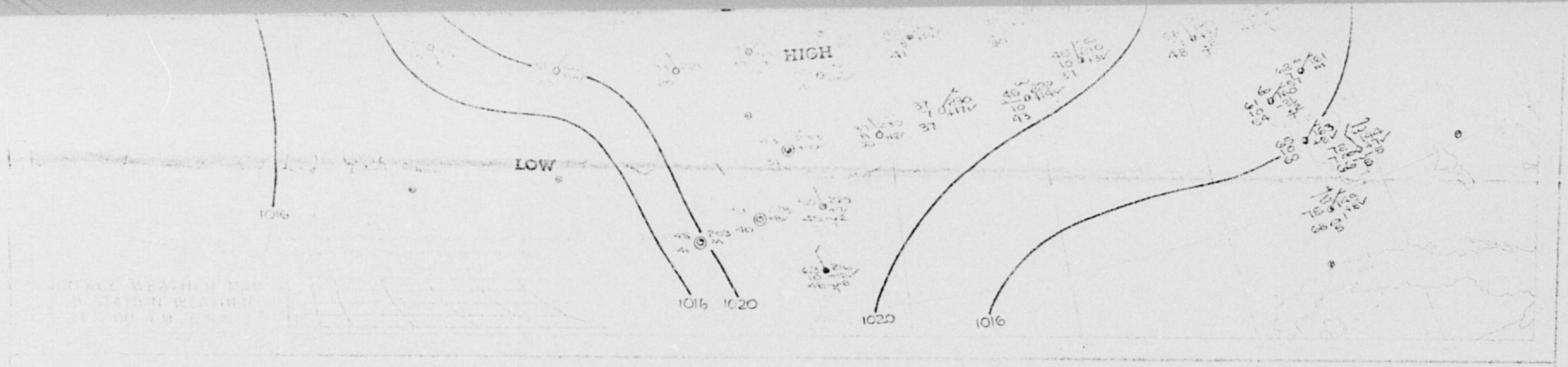
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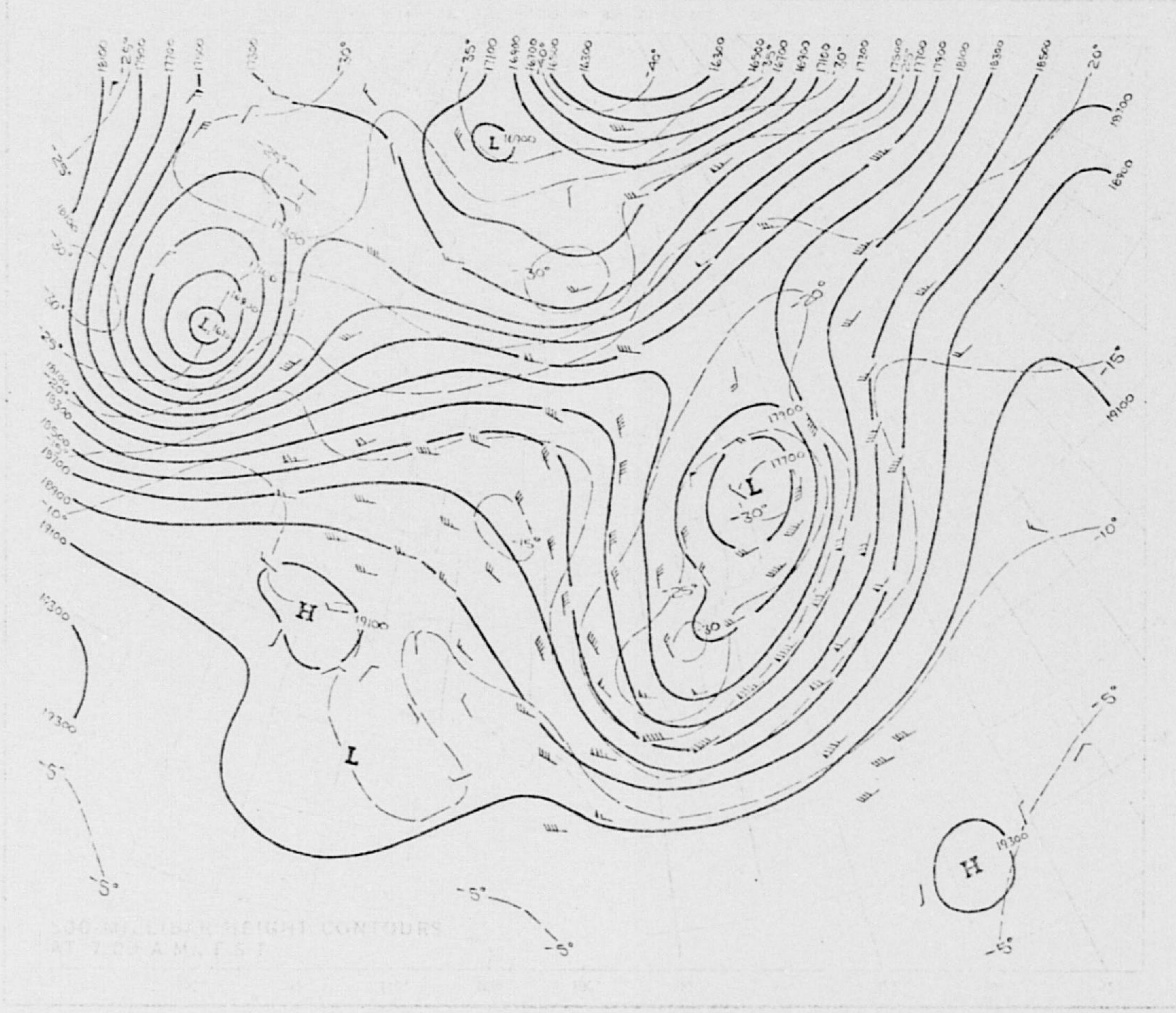
500 MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M., E.S.T.
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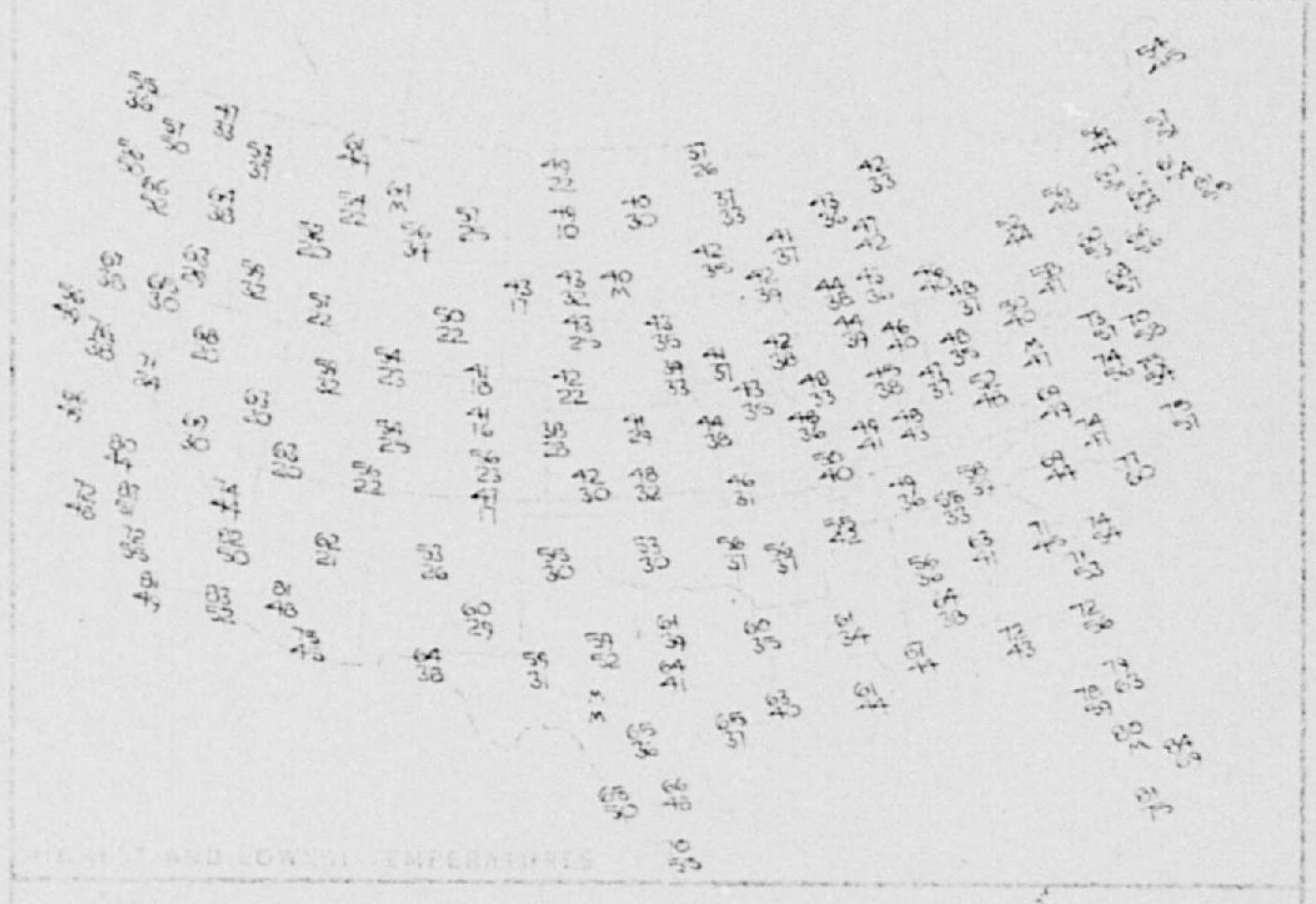
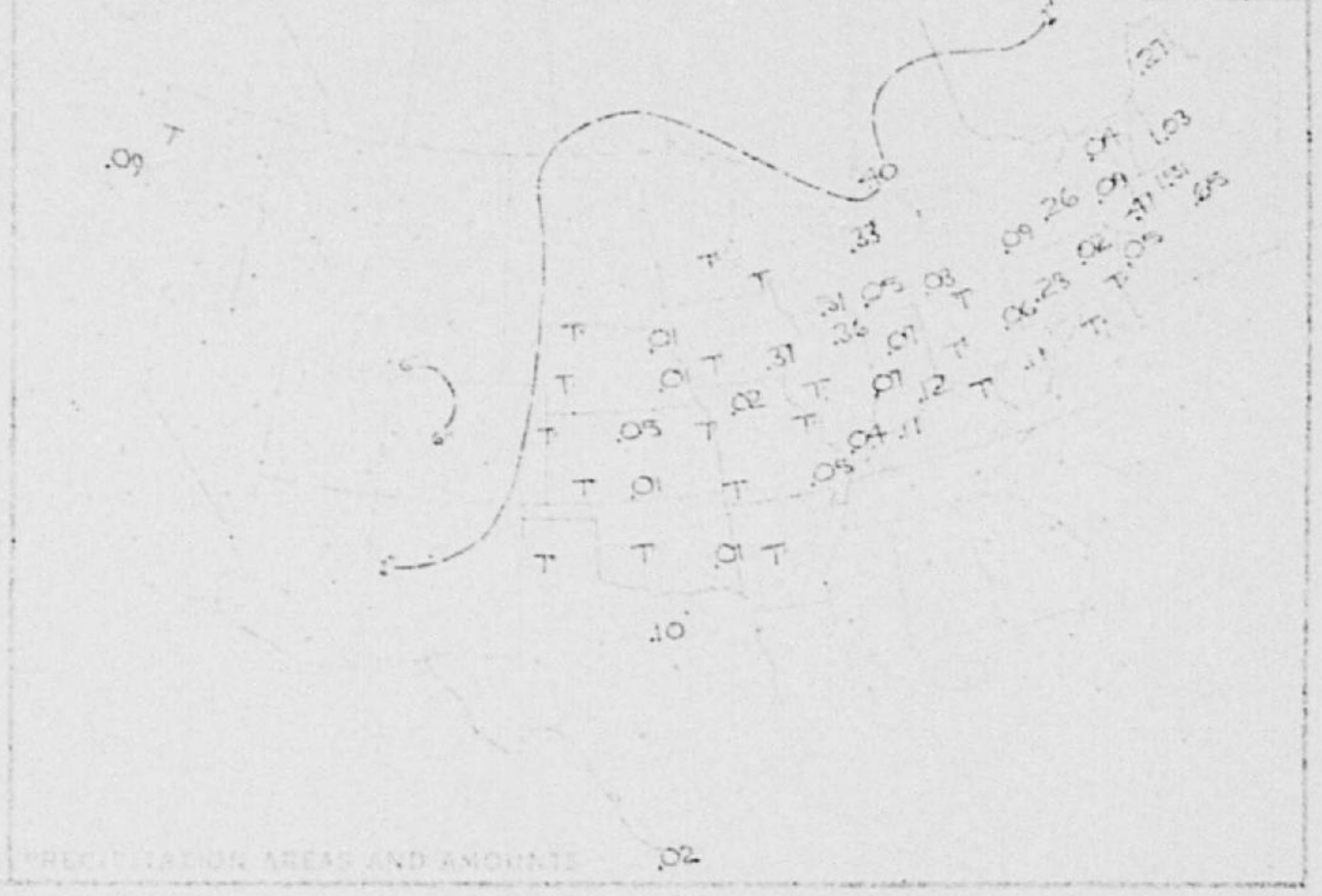
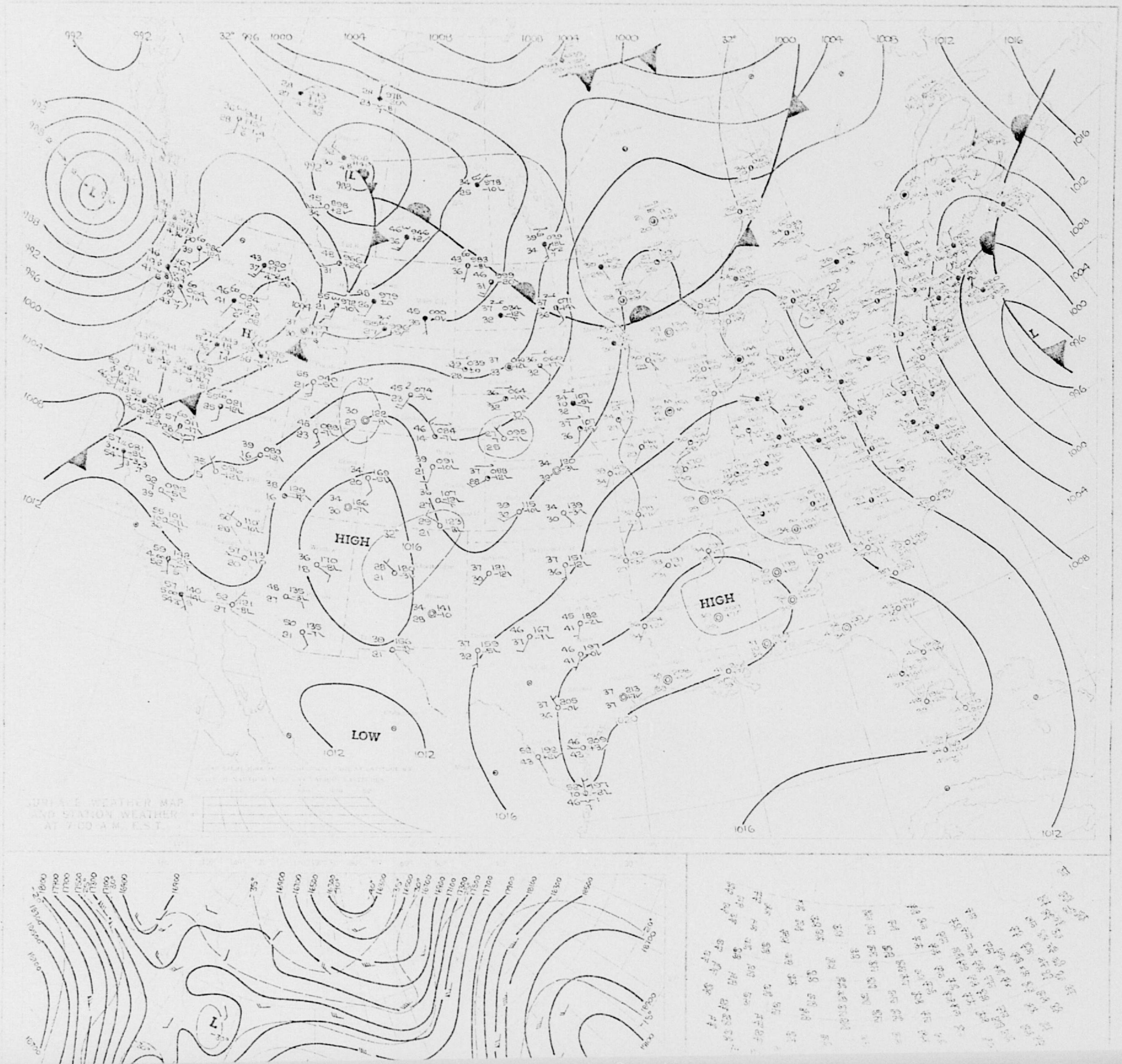

HIGHEST AND LOWEST TEMPERATURES

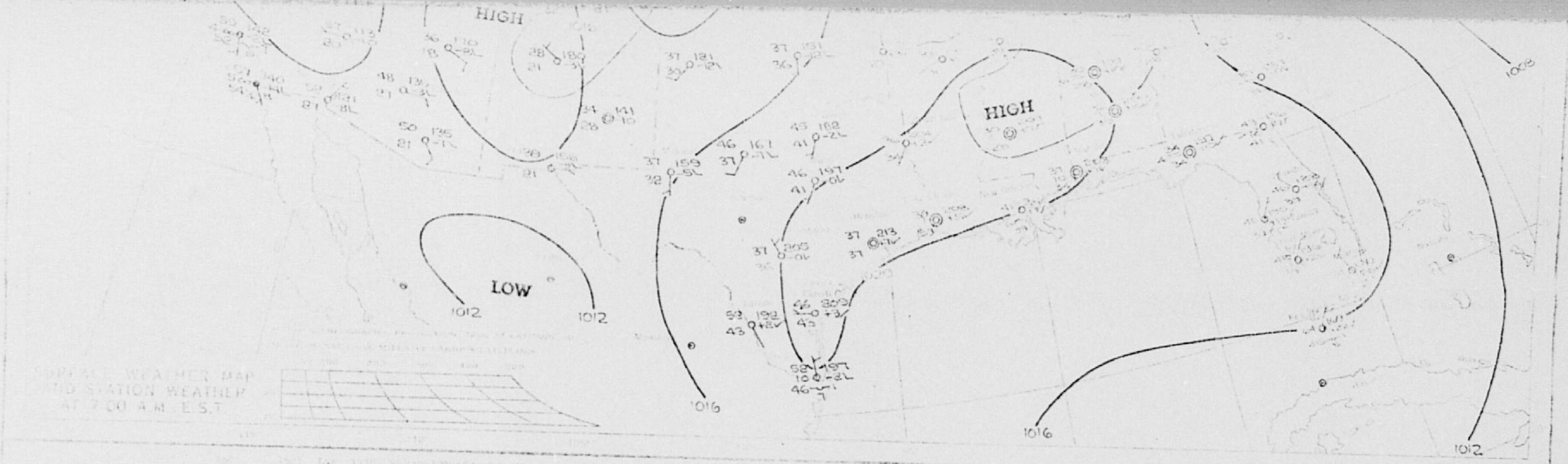

PRECIPITATION AREAS AND AMOUNTS

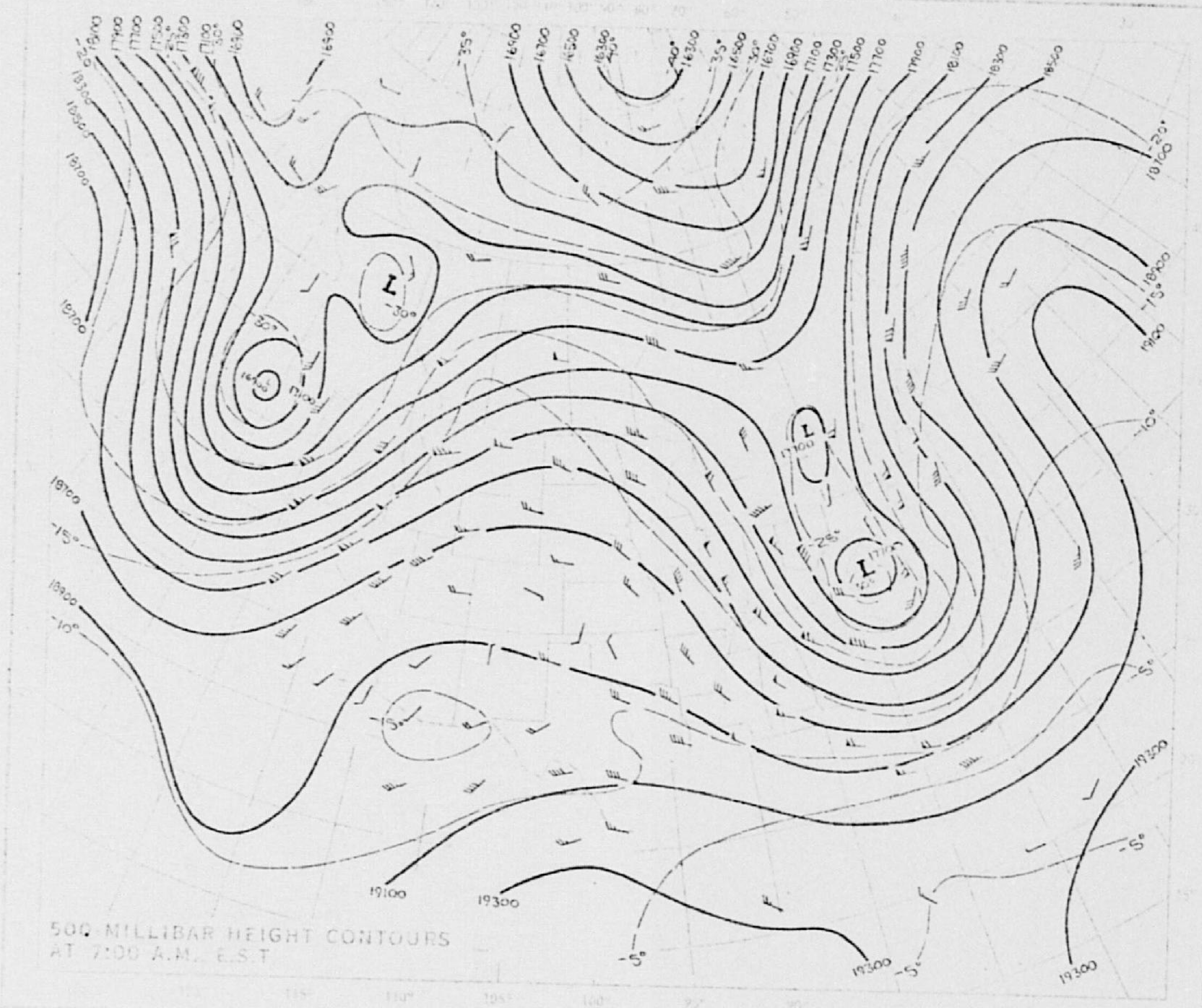
WEDNESDAY, NOVEMBER 5, 1969

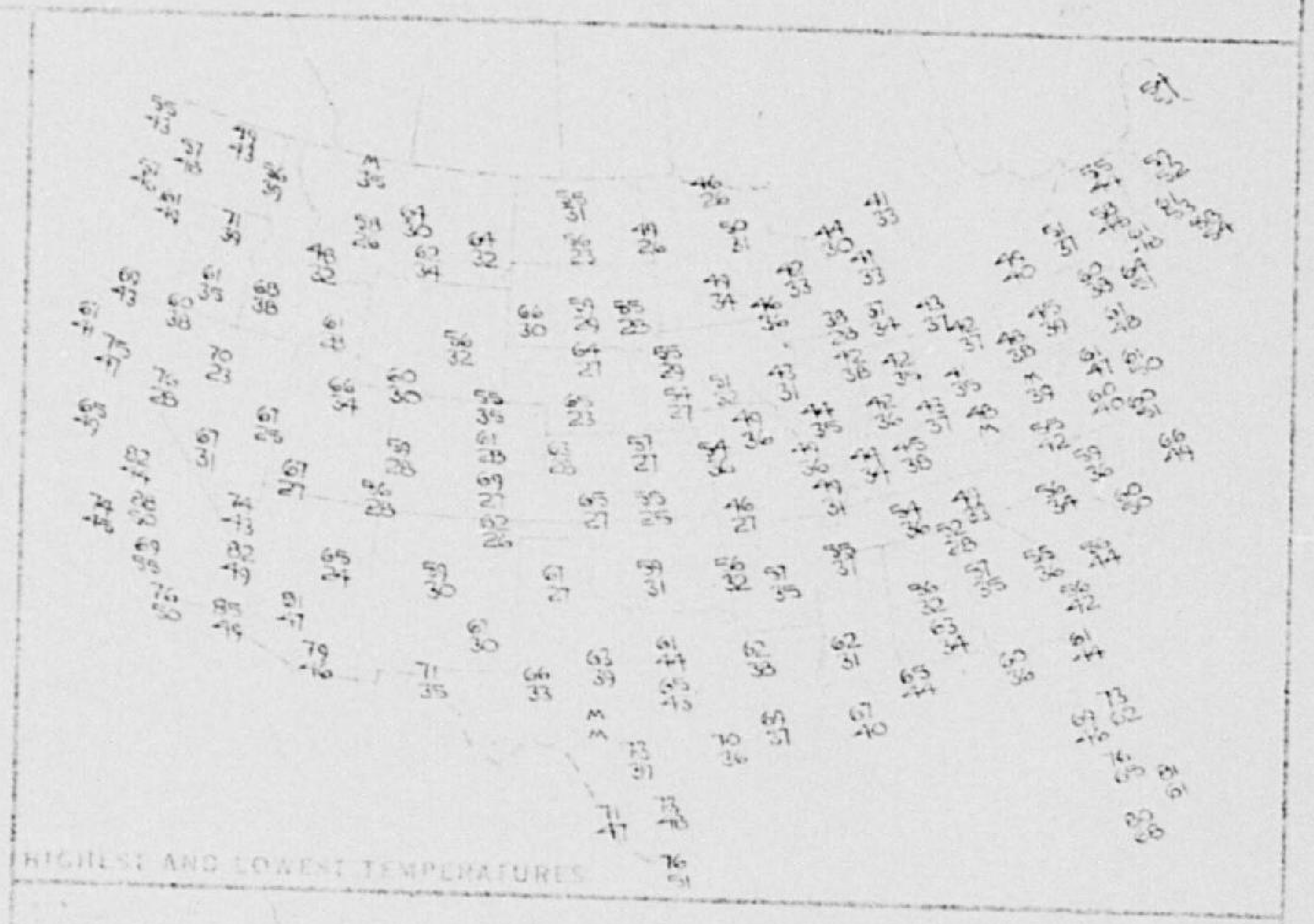


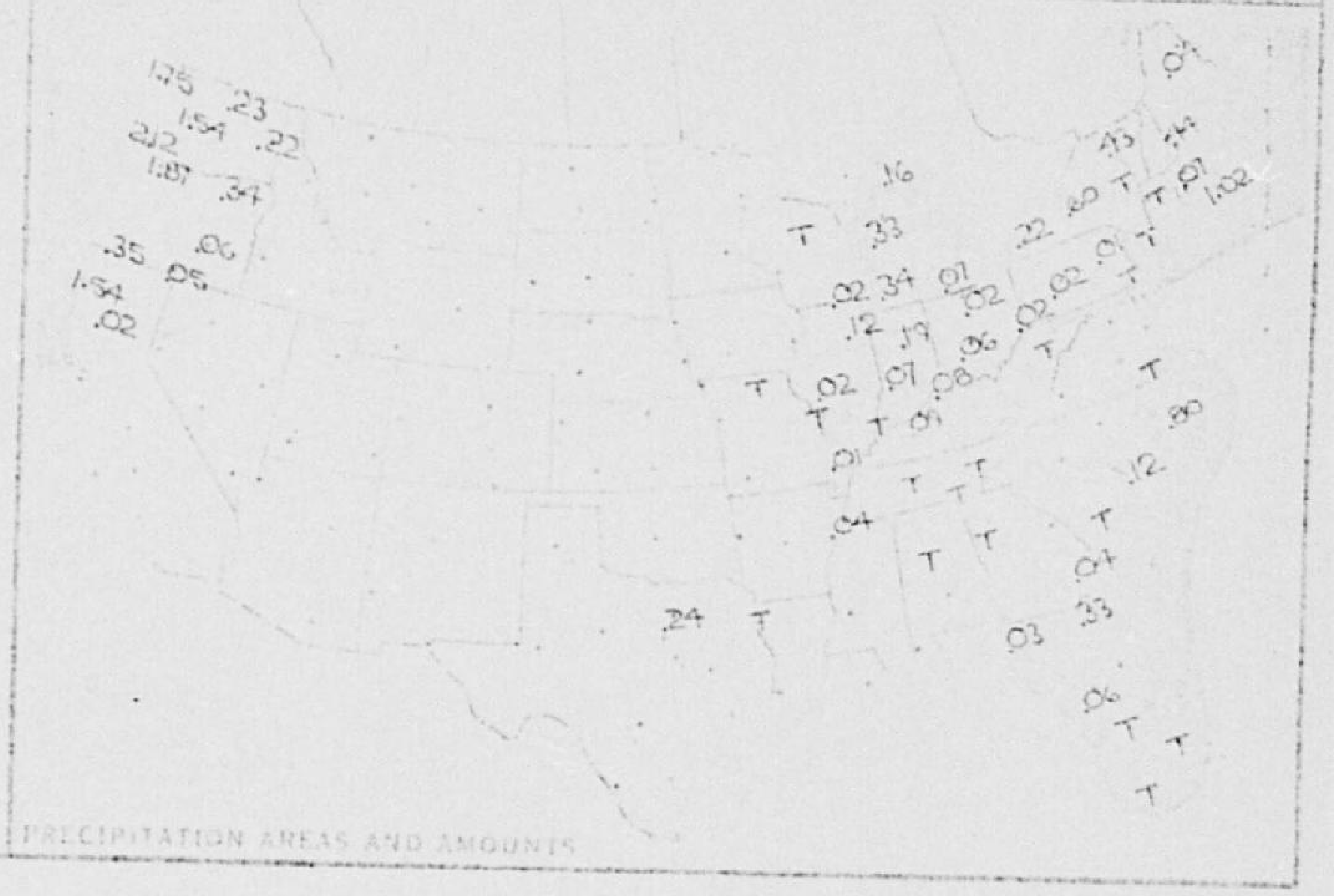
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M. E.S.T.

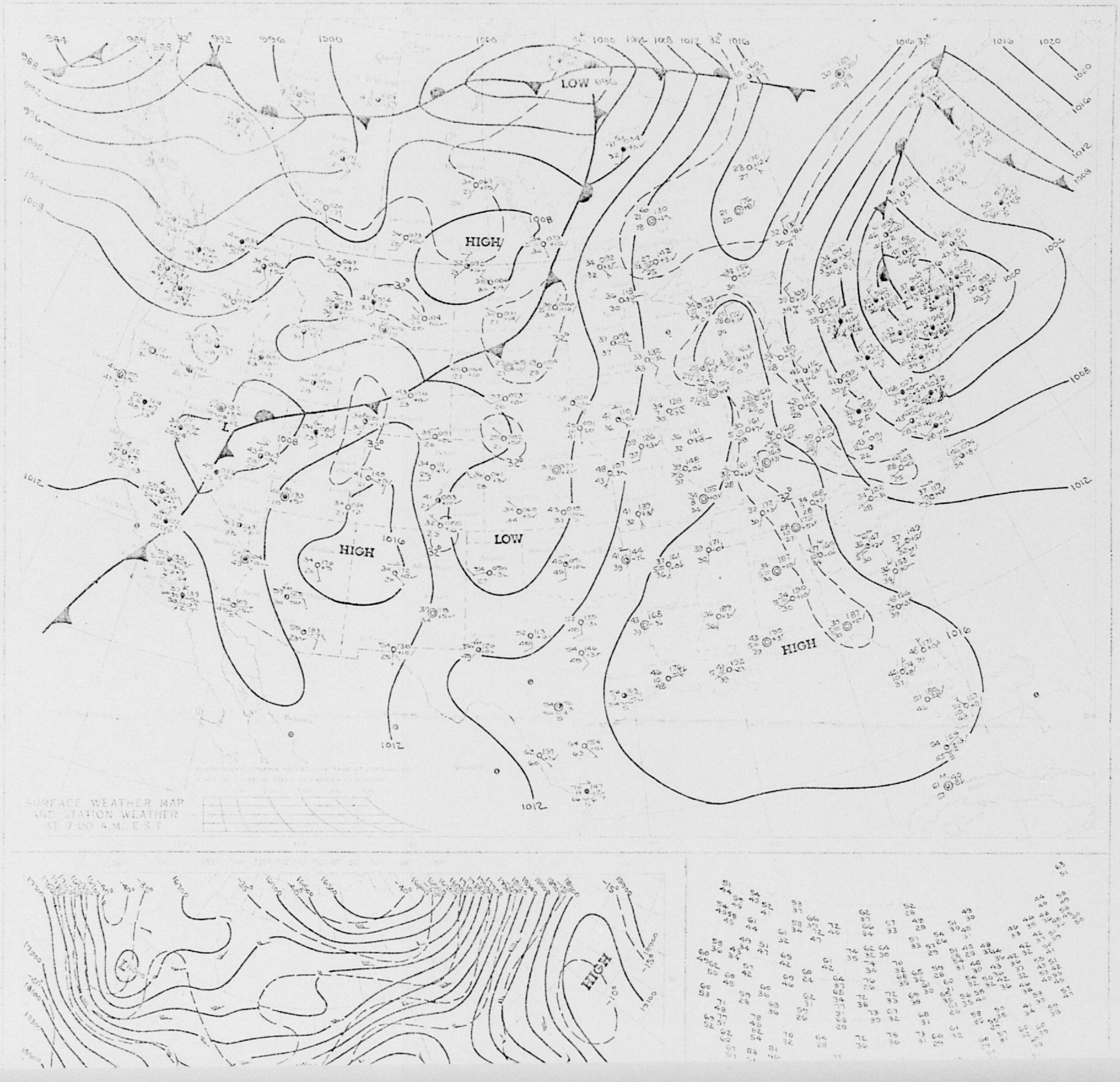
HIGH
HIGH
LOW
L
L
H
992
996
1000
1004
1008
1012
1016
32°
35°
30°
40°

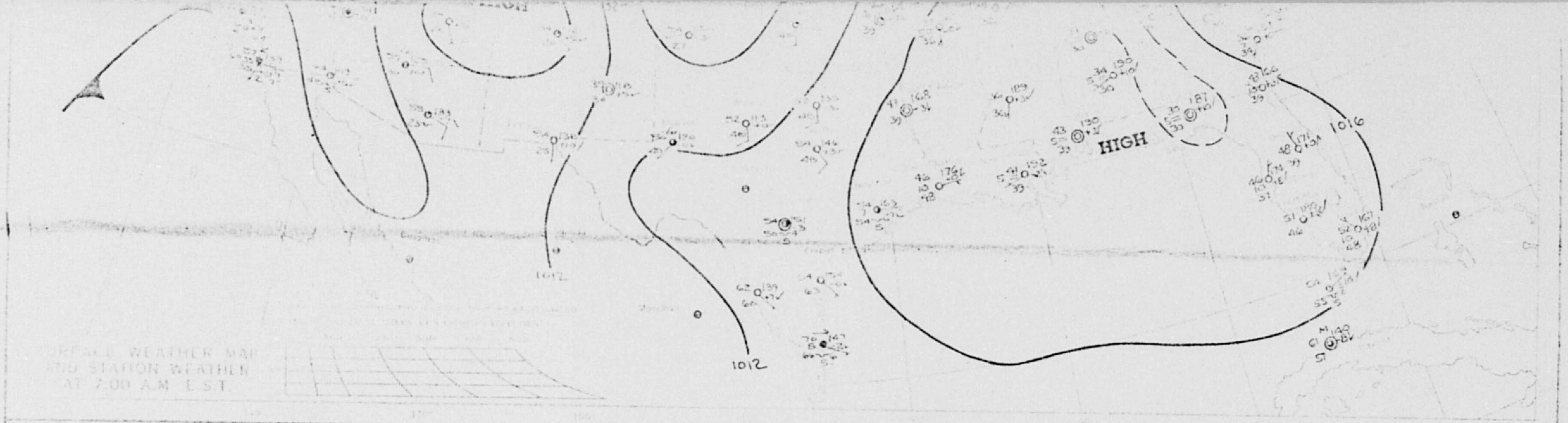

SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M. E.S.T.
HIGH
HIGH
LOW
1012
1012
1016
1016
1012
1008


500 MILLIBAR HEIGHT CONTOURS AT 7:00 A.M. E.S.T.
L
L
L
L
19300
19100
18900
18700
-5°
-10°
-15°
-20°
-25°
-30°
-35°

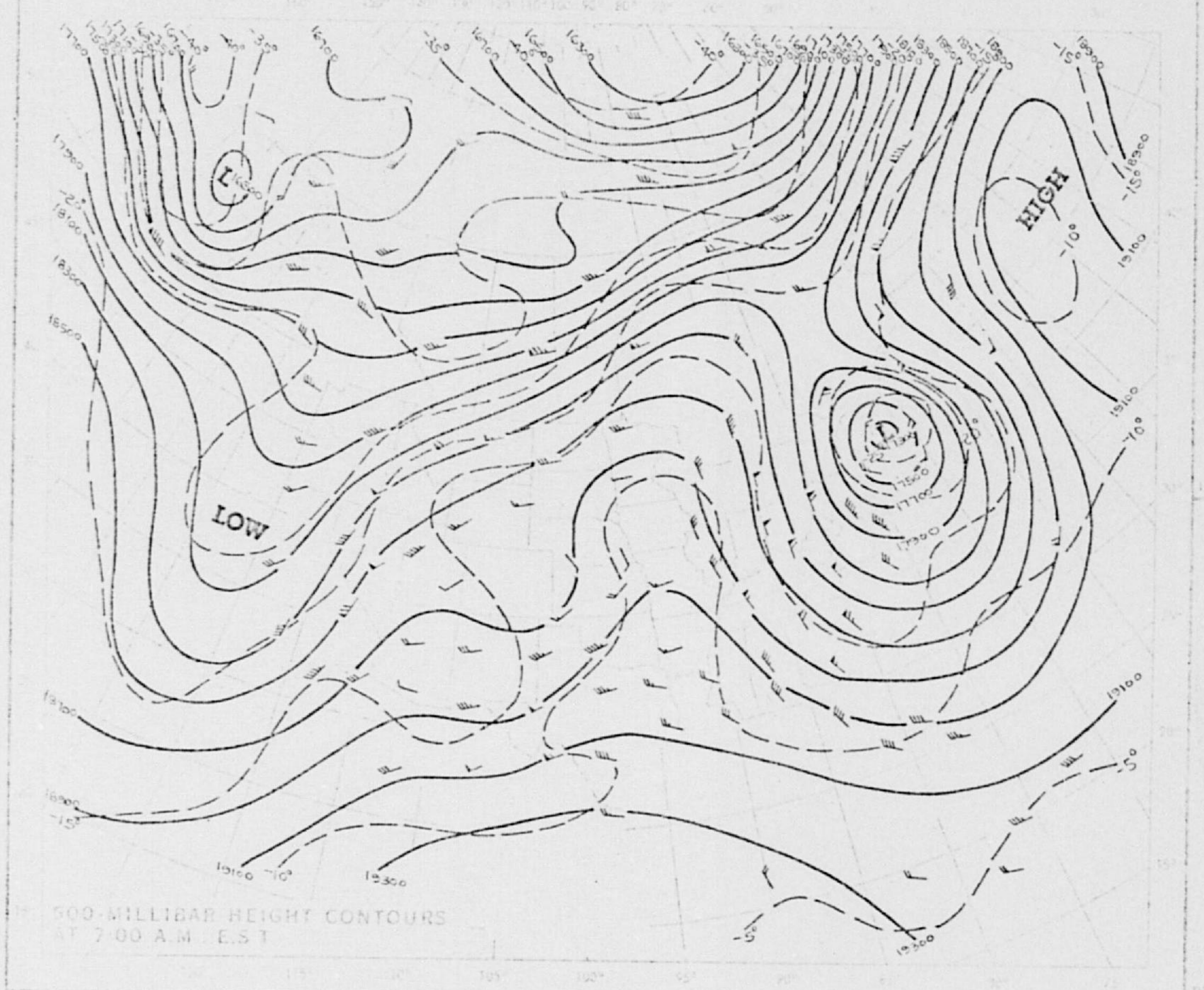

HIGHEST AND LOWEST TEMPERATURES


PRECIPITATION AREAS AND AMOUNTS

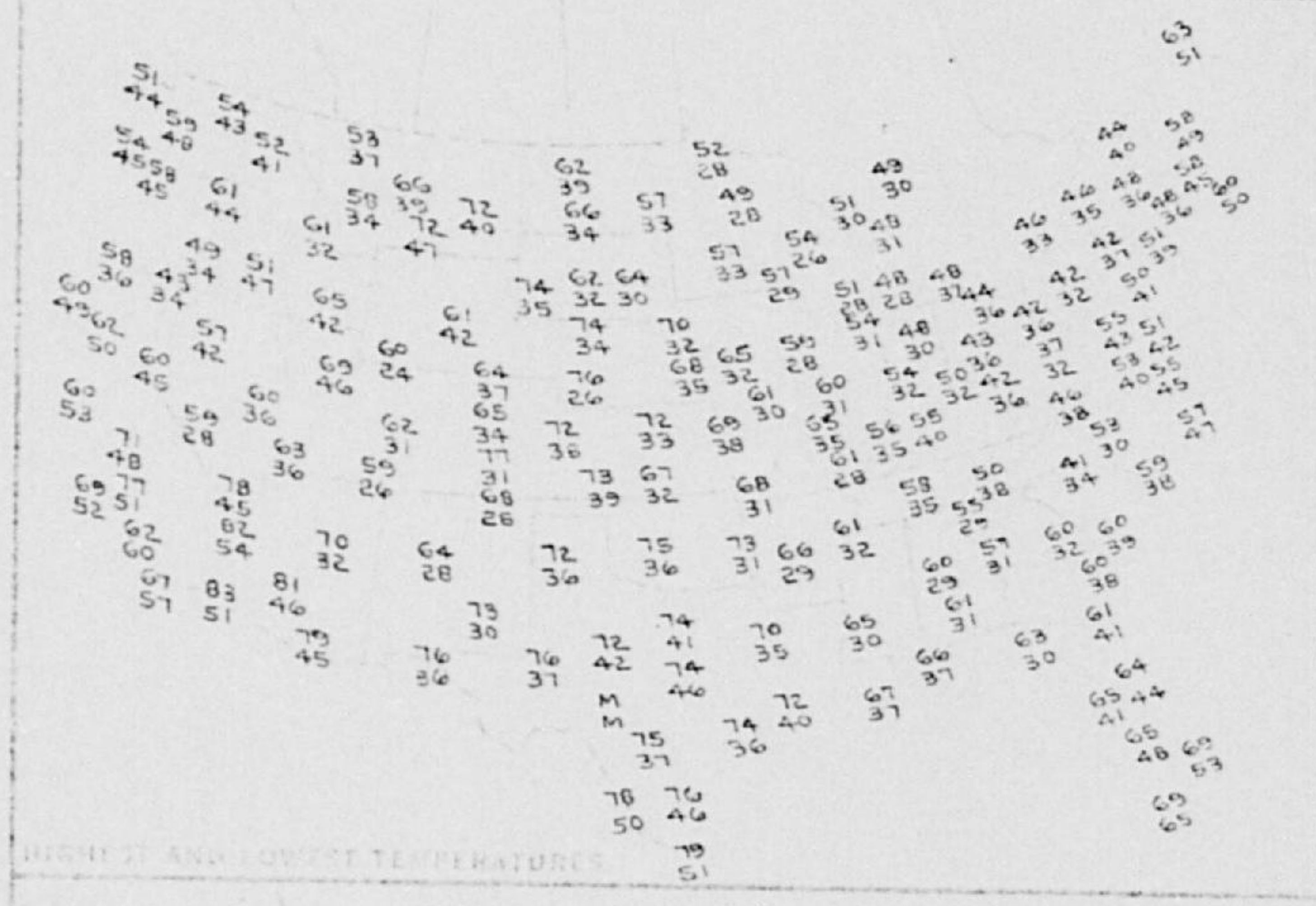

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M., E.S.T.
HIGH
HIGH
HIGH
HIGH
LOW
LOW
L
L
984
988
992
996
1000
1004
1008
1012
1016
1020
32°


HIGH
1012
1016

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.


LOW
HIGH
L
D
-15°
-10°
-5°
15300
19100
18500

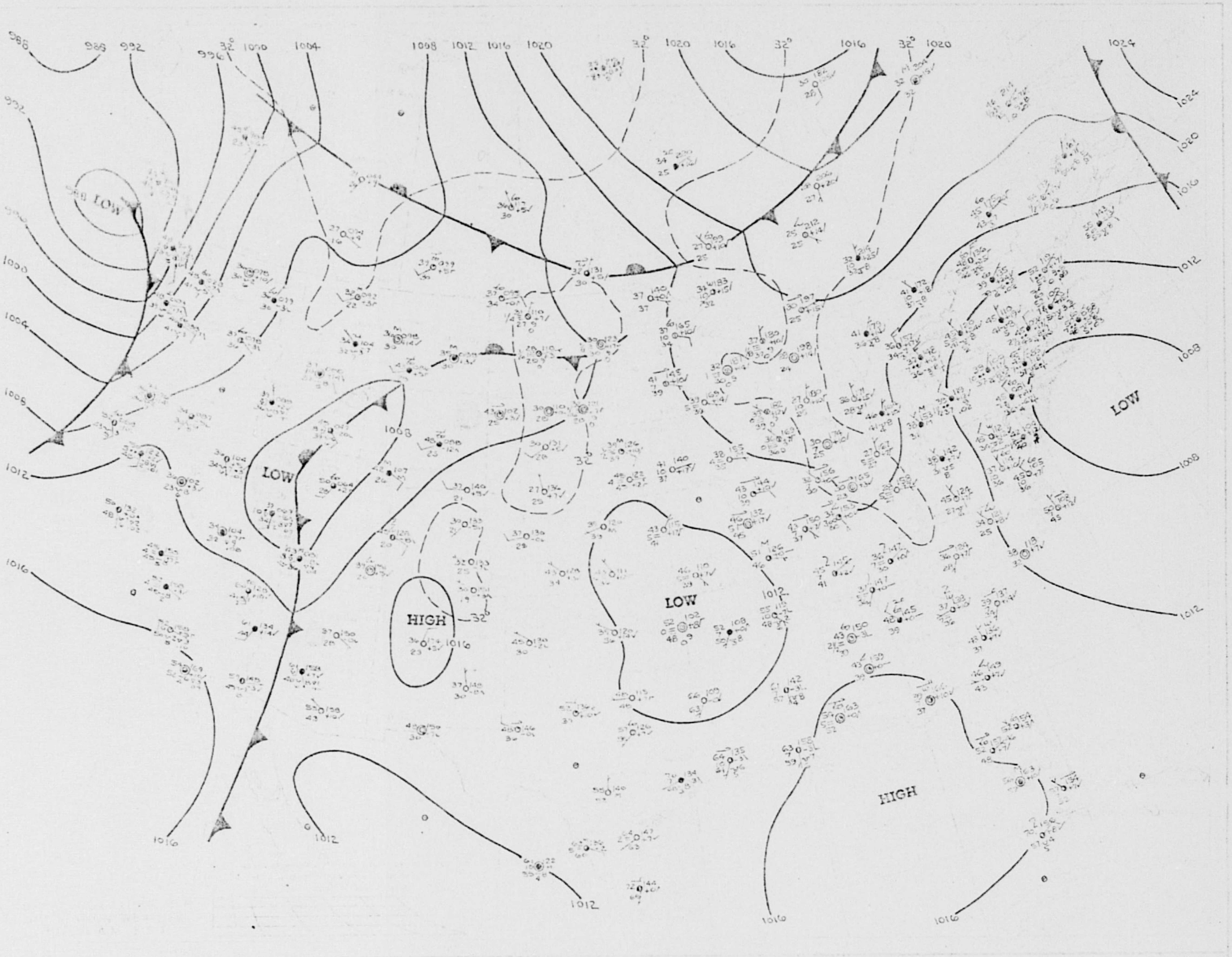
500-MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M. E.S.T.

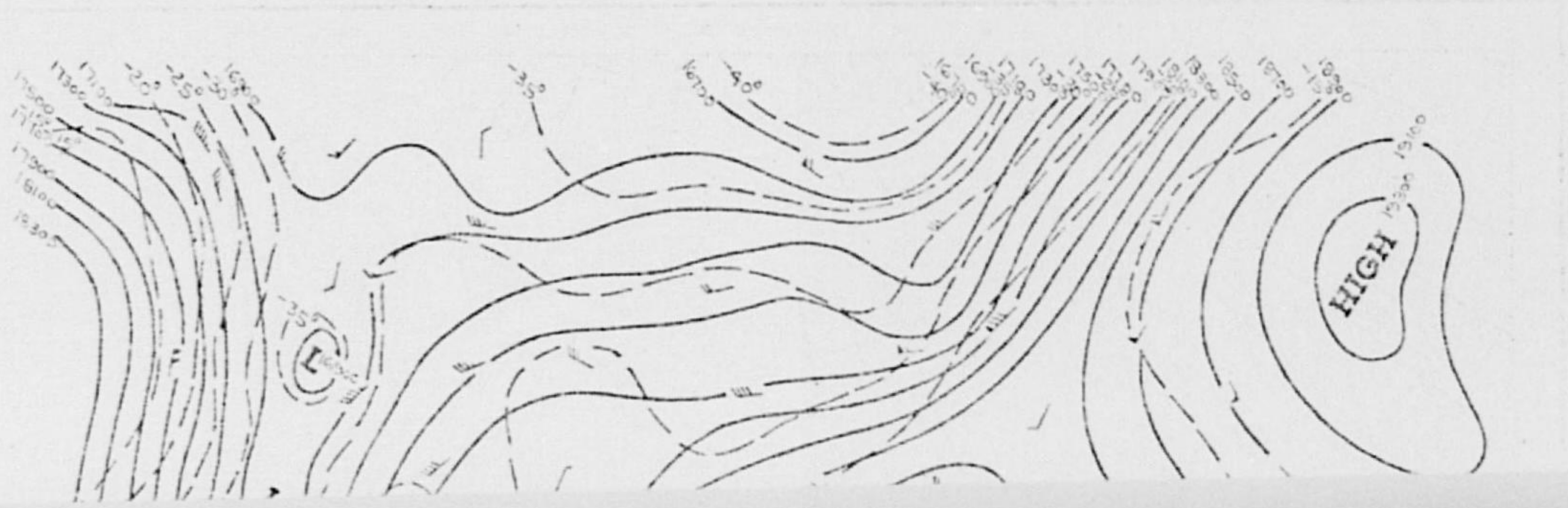


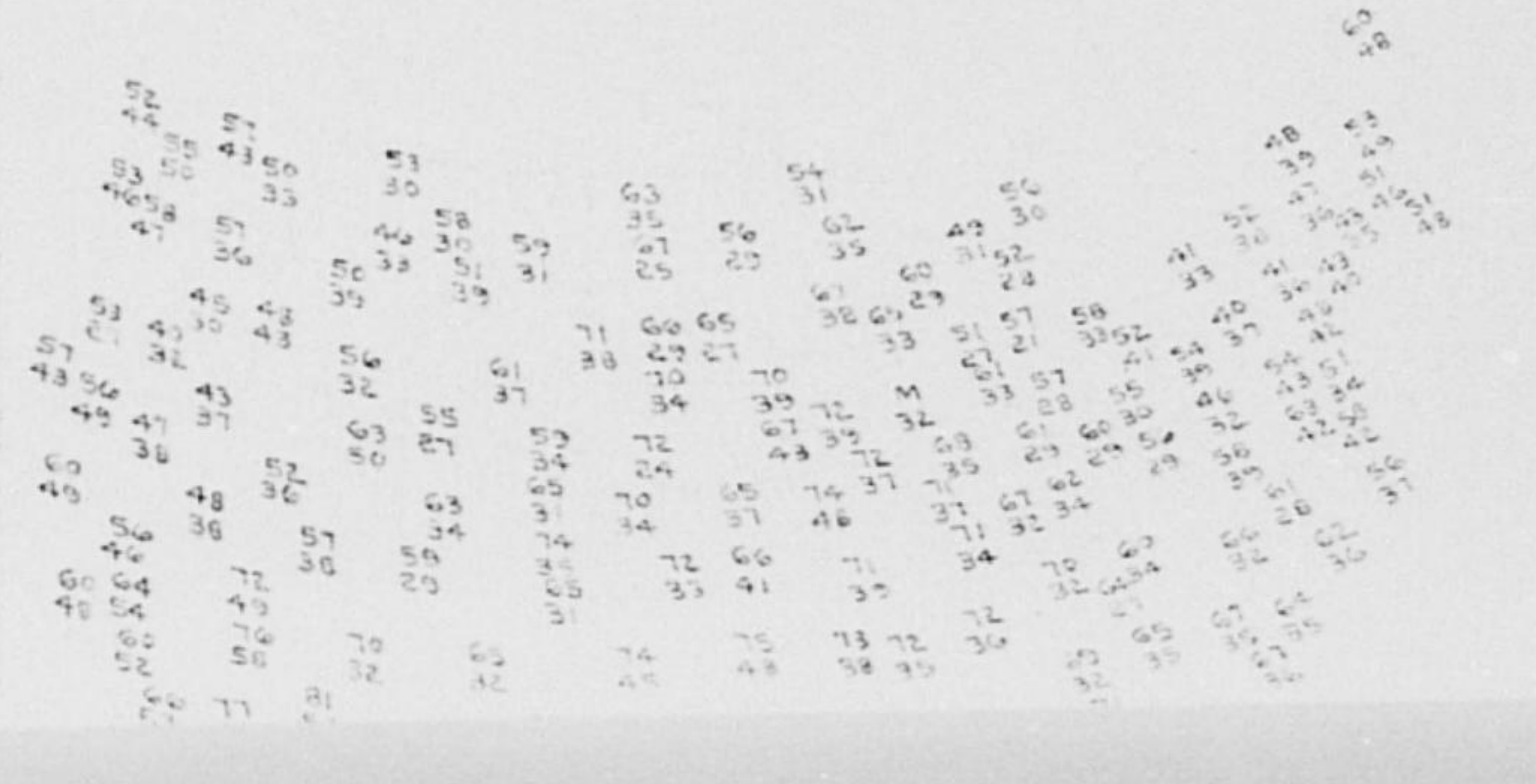
HIGHEST AND LOWEST TEMPERATURES

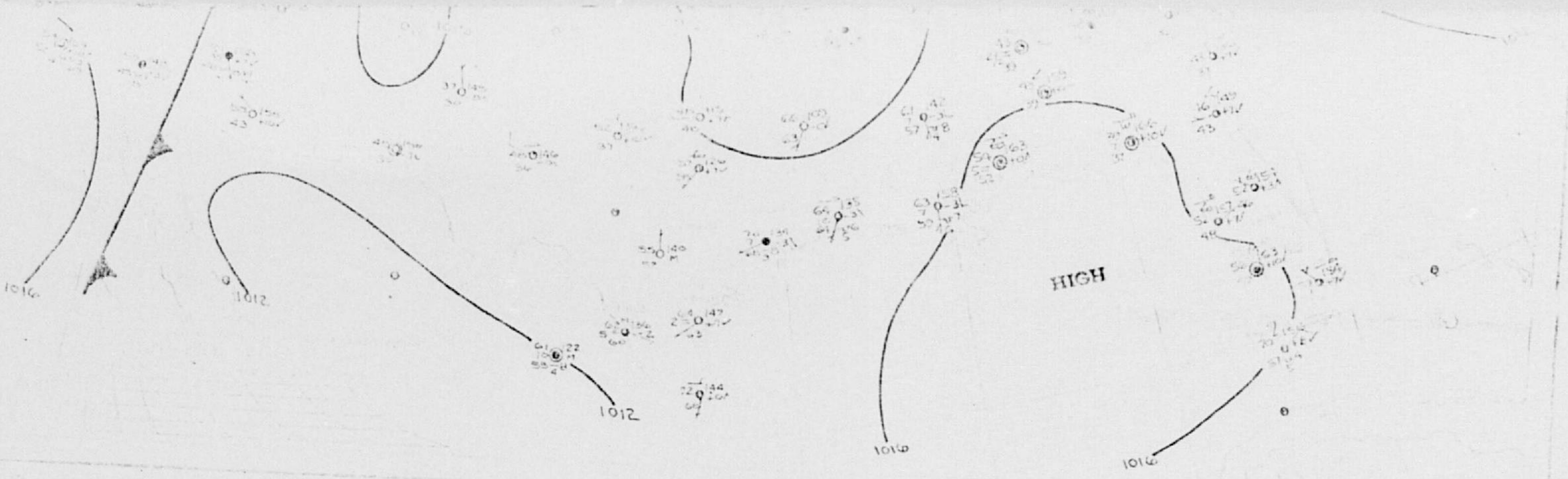
PRECIPITATION AREAS AND AMOUNTS

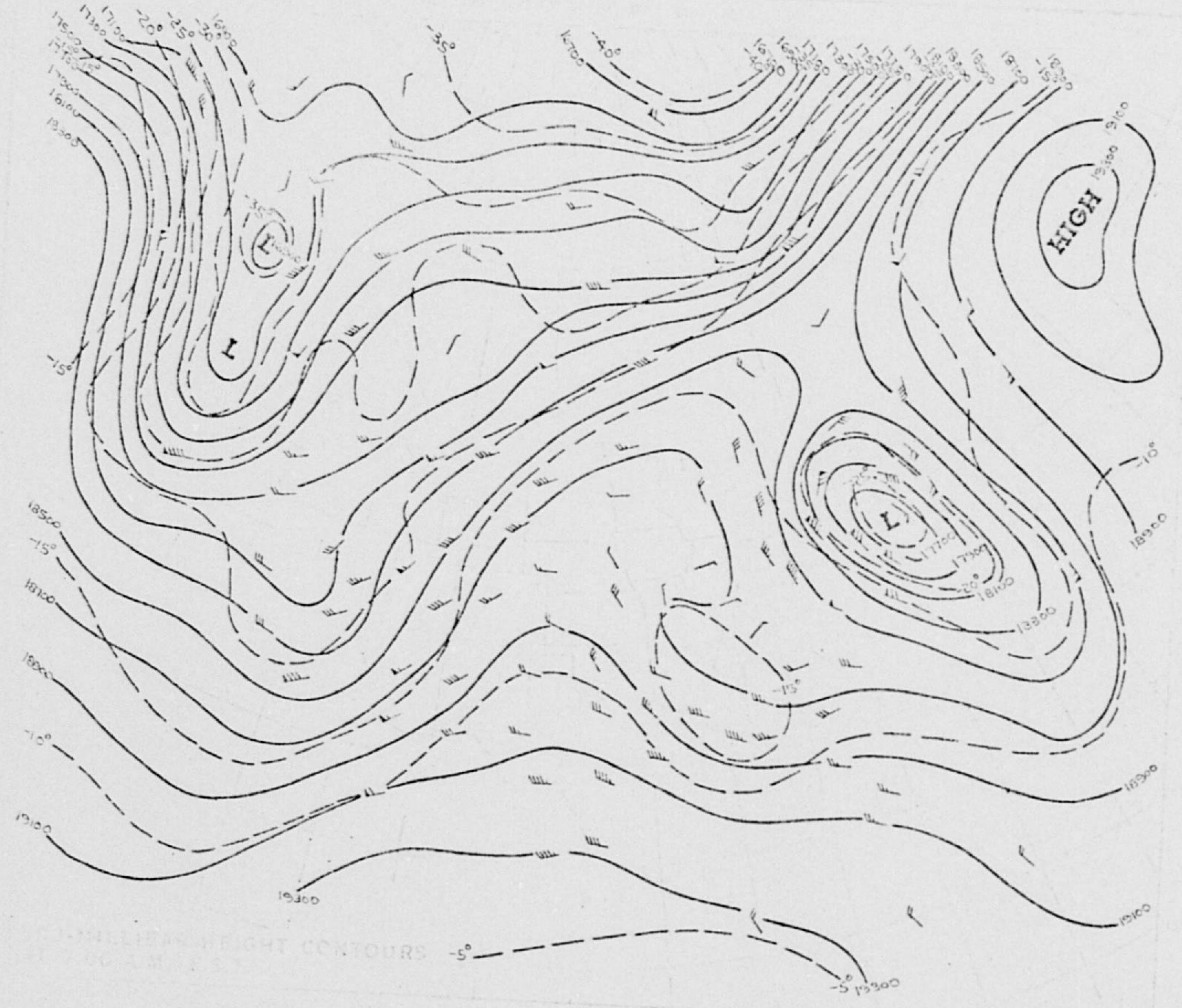
FRIDAY, NOVEMBER 7, 1969


LOW
LOW
LOW
LOW
HIGH
HIGH
HIGH
984
988
992
996
1000
1004
1008
1012
1016
1020
1024
32°






1016
1012
1012
HIGH
1016
1016


HIGH
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-35°
-40°
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18300
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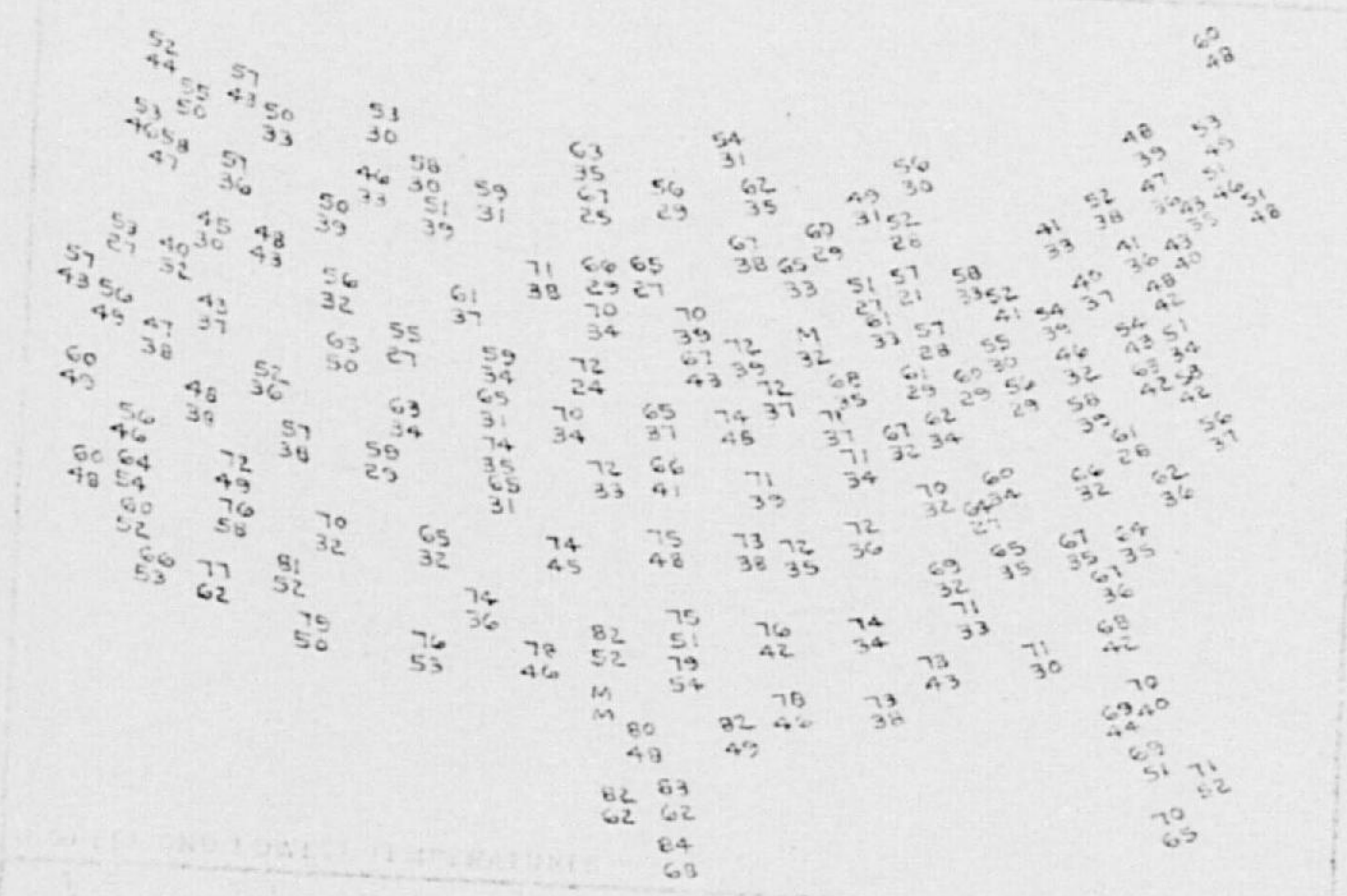
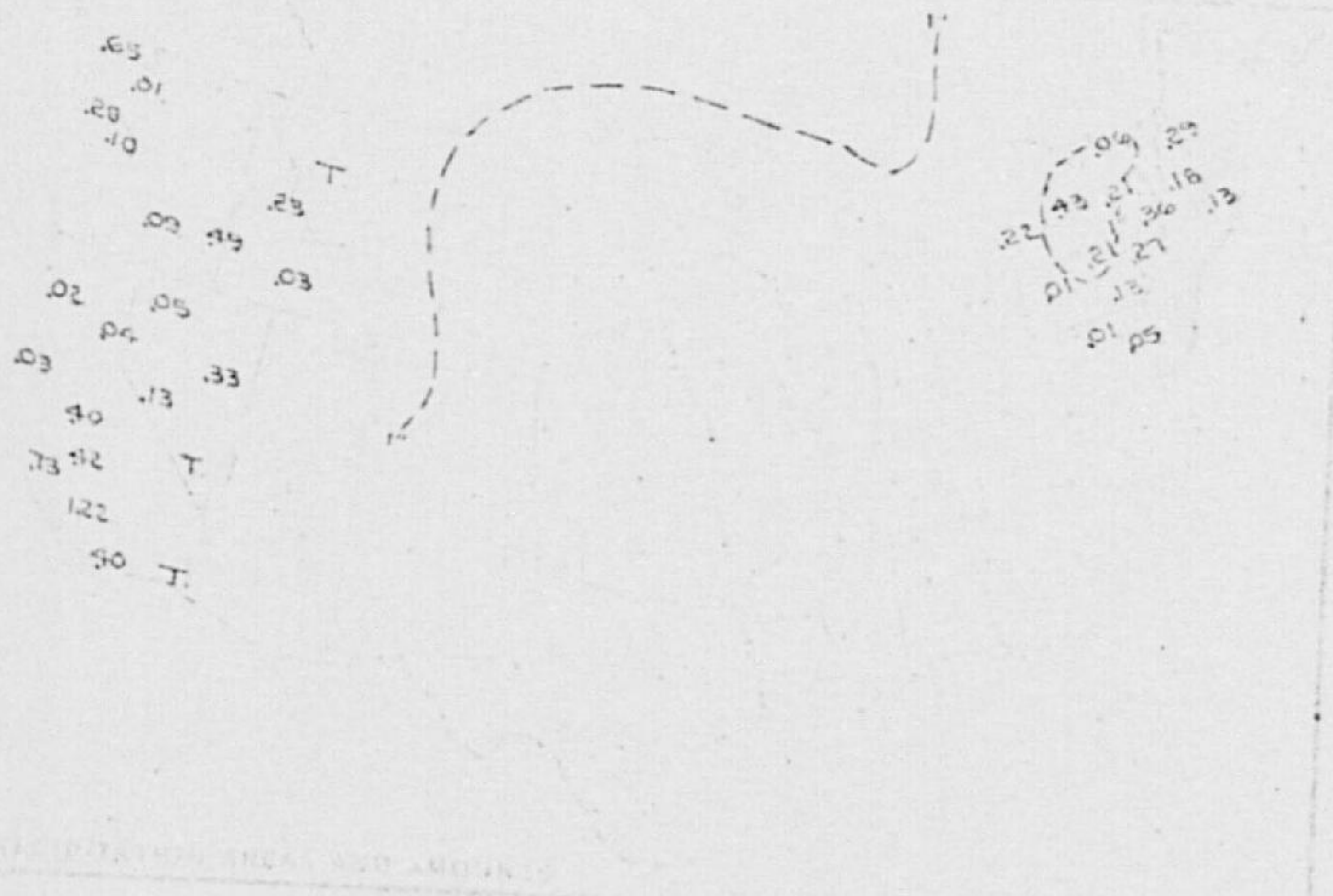
19100
MILLIBAR HEIGHT CONTOURS

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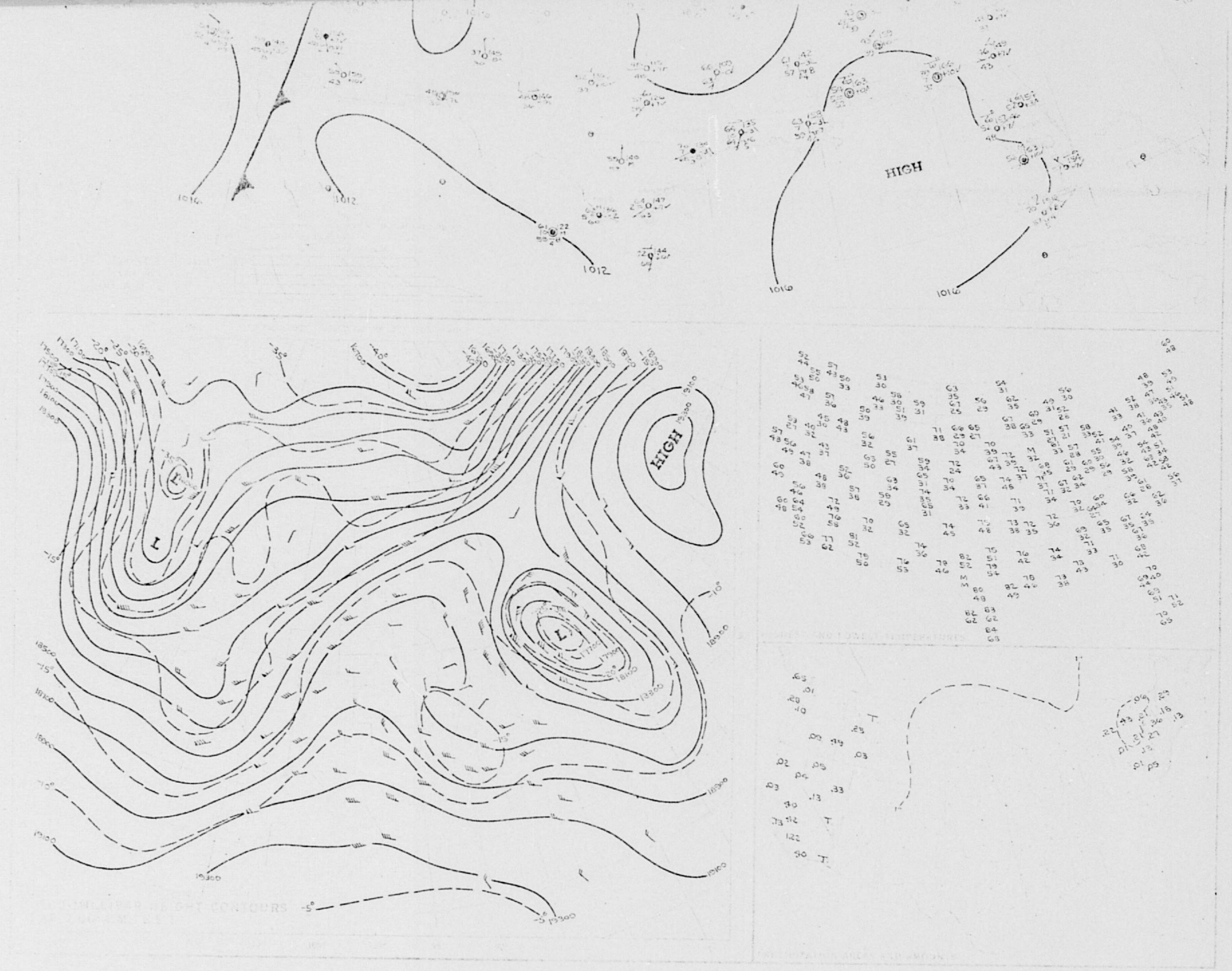
PRECIPITATION AREAS AND AMOUNTS


HIGH
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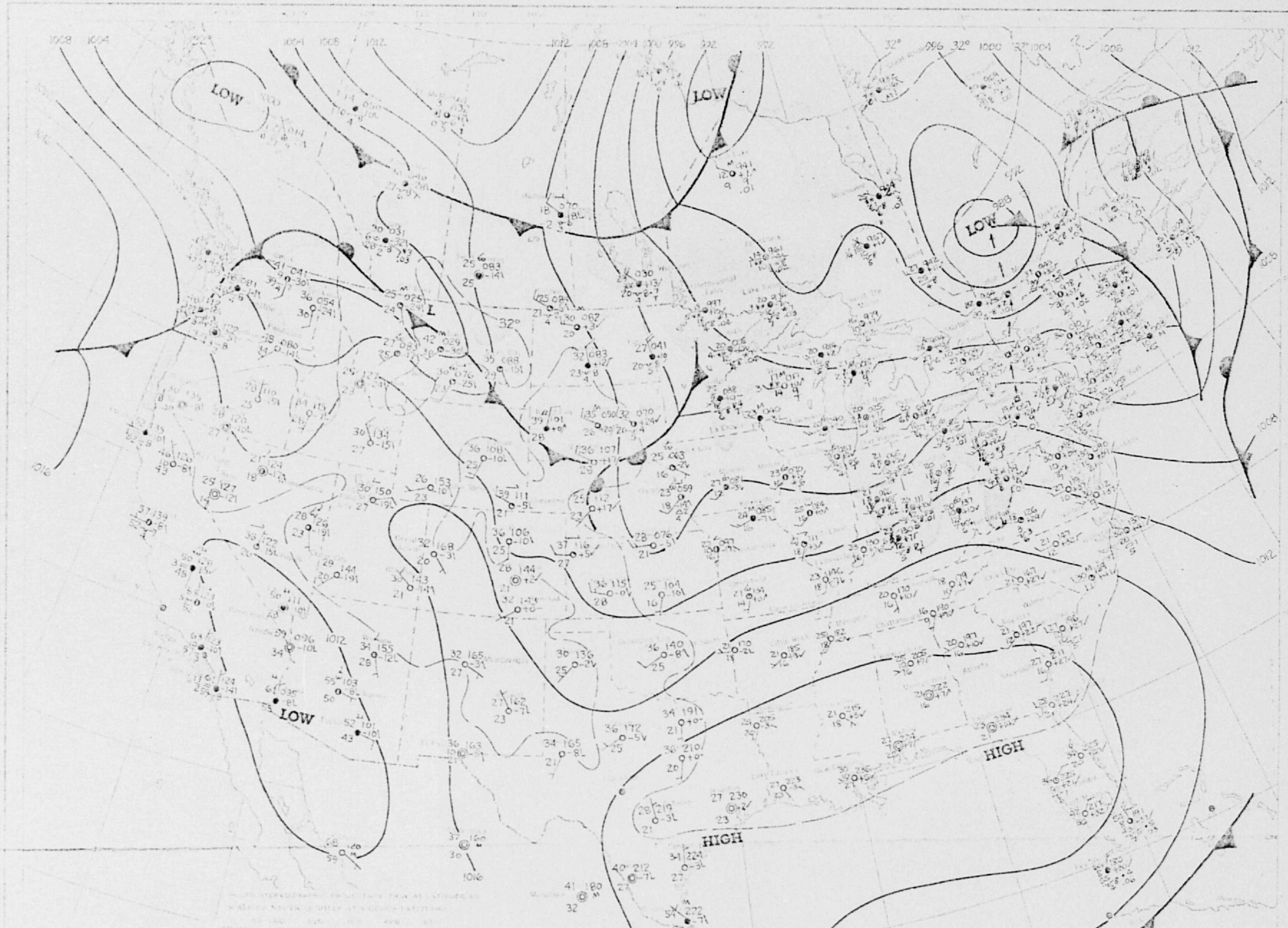
-5°
-10°
-15°
-20°
-25°
-35°
-40°
18100
18300
18500
18600
19100
19300
500-MILLIBAR HEIGHT CONTOURS
HIGHEST AND LOWEST TEMPERATURES
PRECIPITATION AREAS AND AMOUNTS

SATURDAY, NOVEMBER 15, 1969


SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
LOW
LOW
LOW
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L
HIGH
HIGH
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32°
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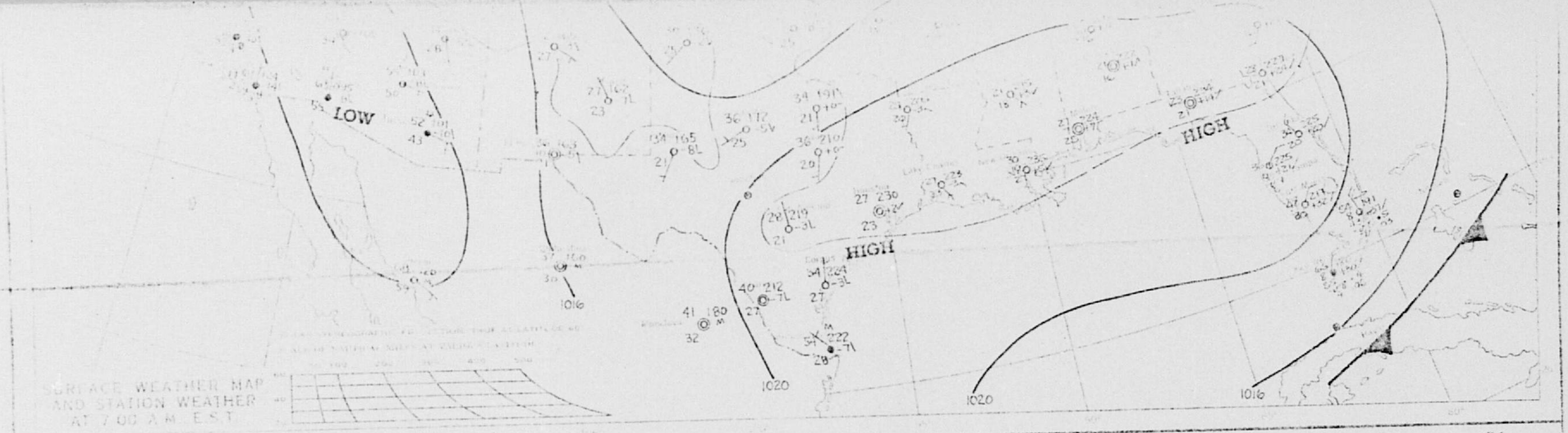
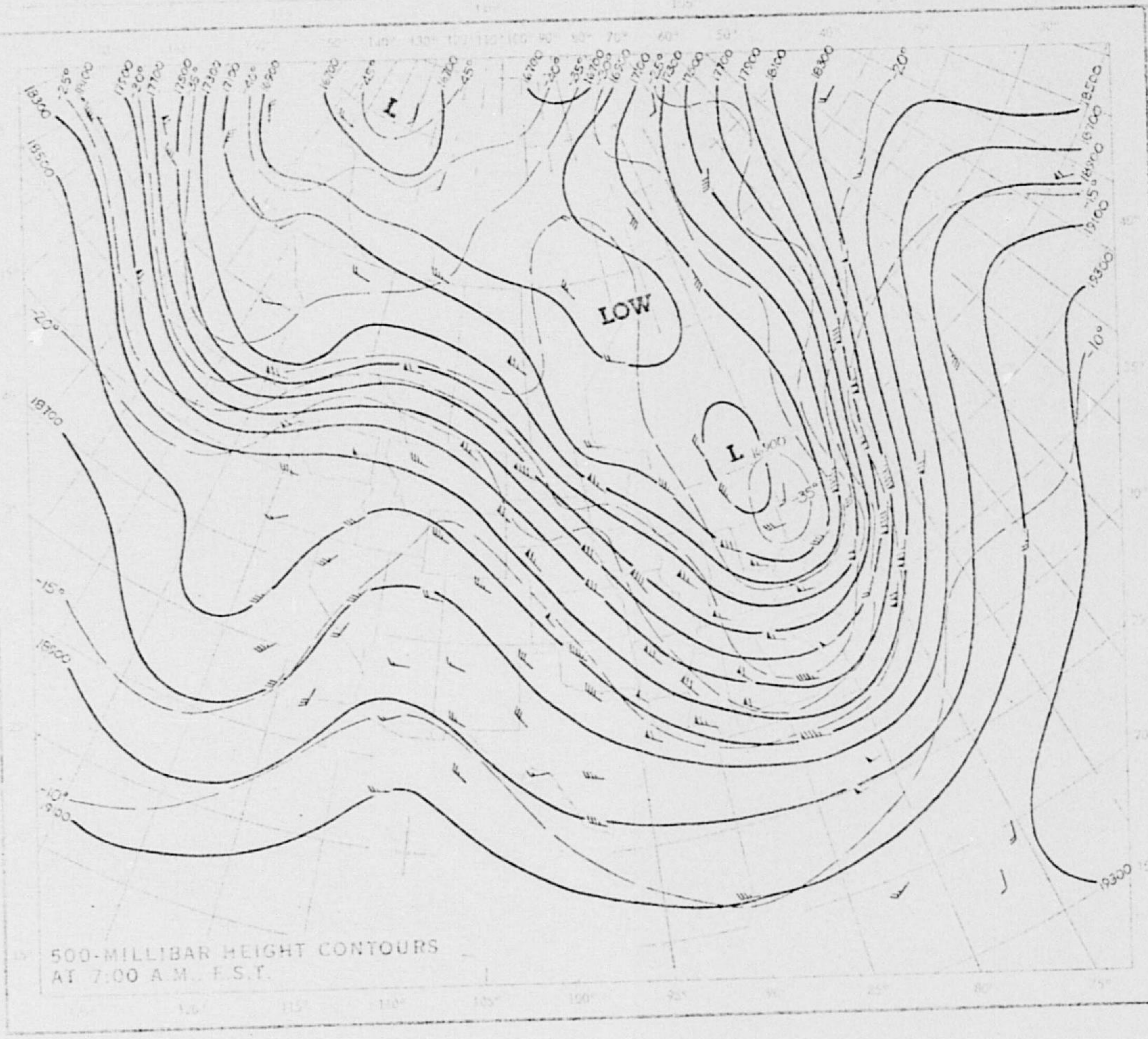
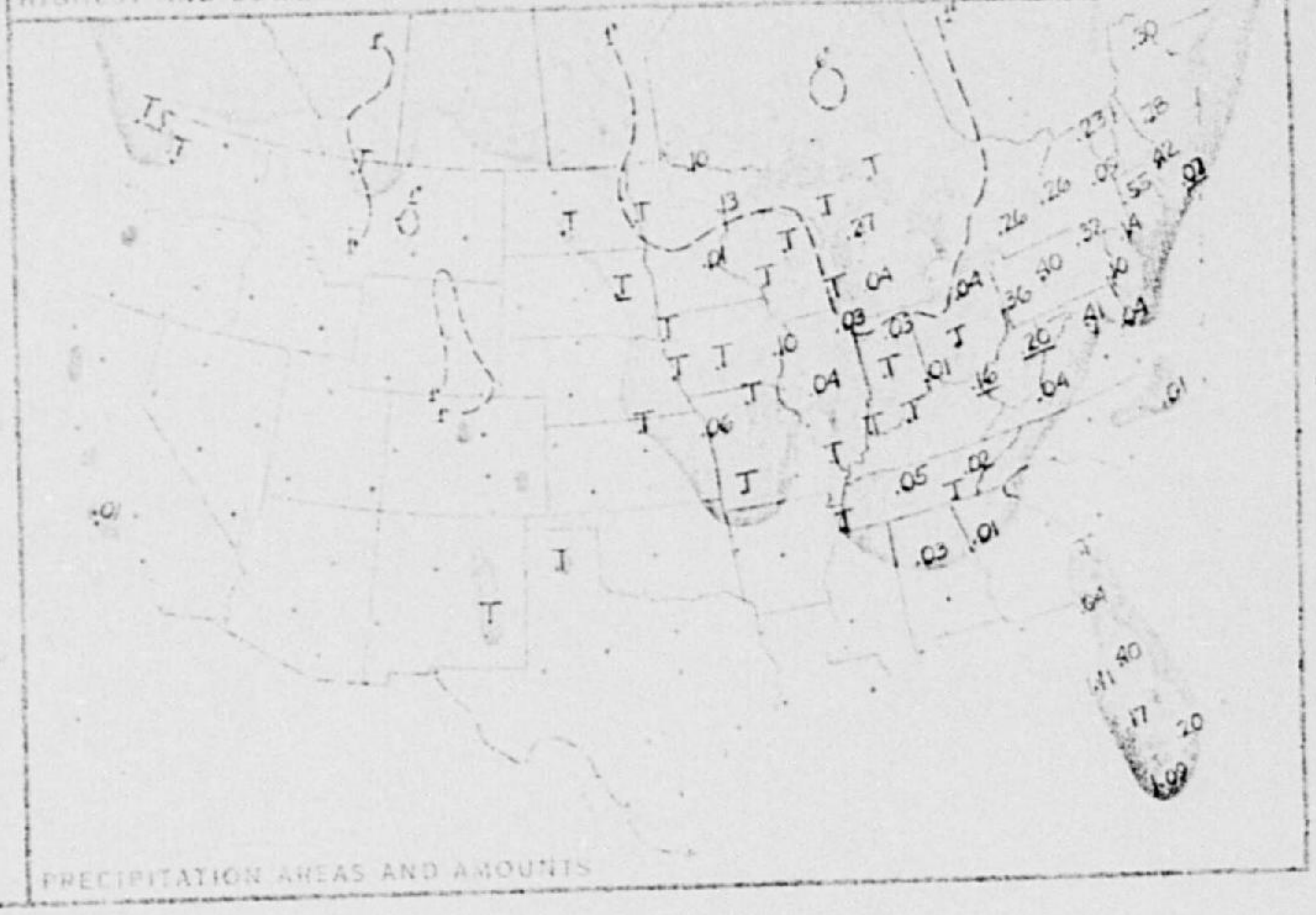
L

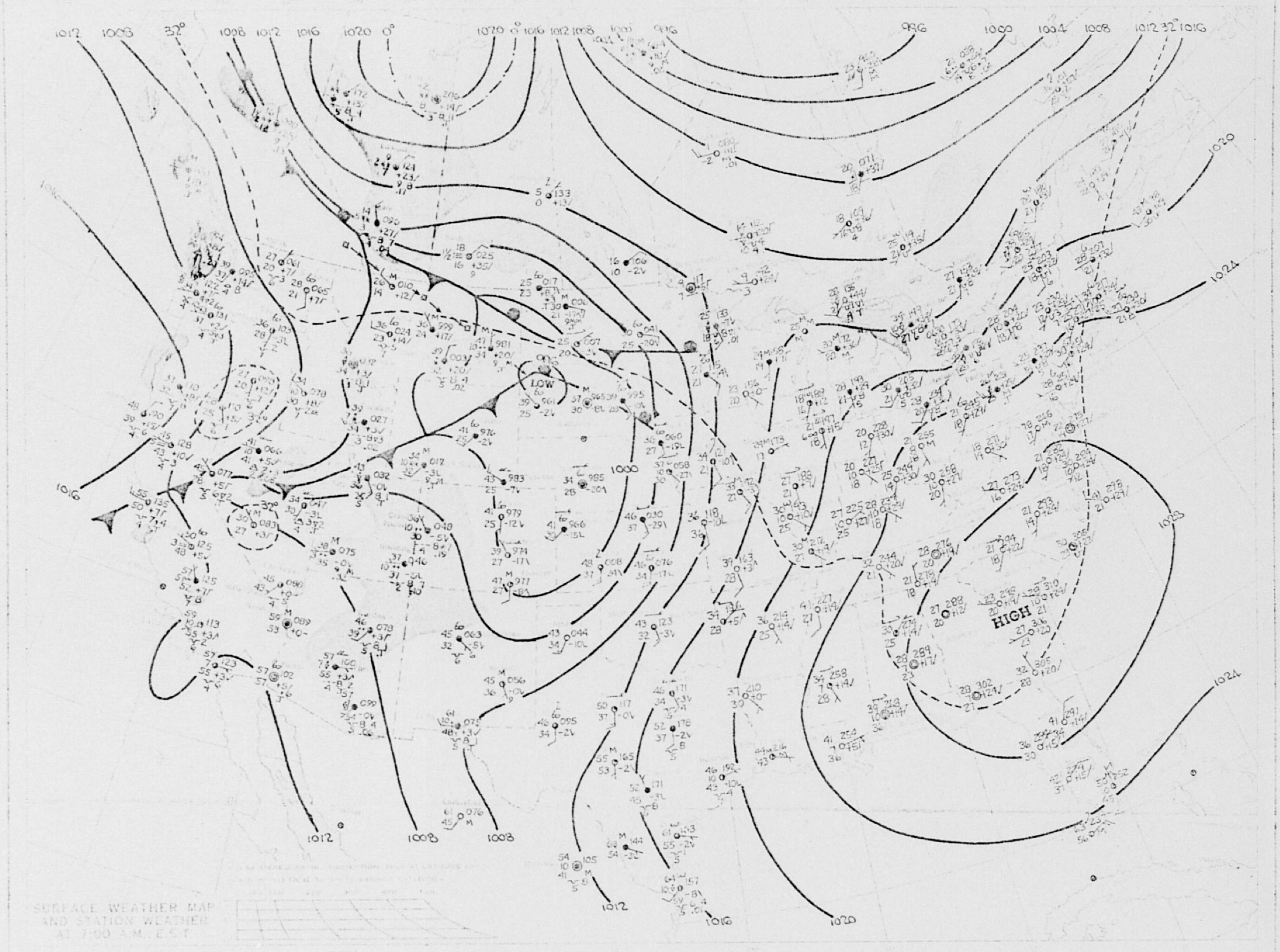

SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.
LOW
HIGH
HIGH
1016
1020
1020
1016

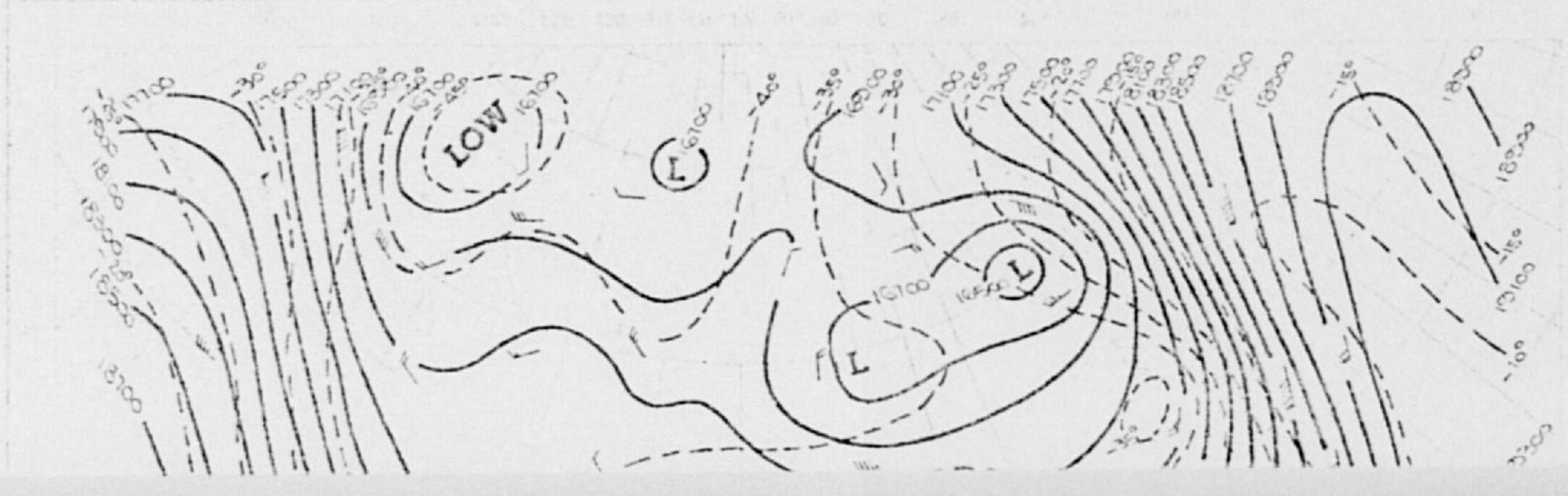

500-MILLIBAR HEIGHT CONTOURS AT 7:00 A.M., E.S.T.
LOW
L
L
19300
18700
18500

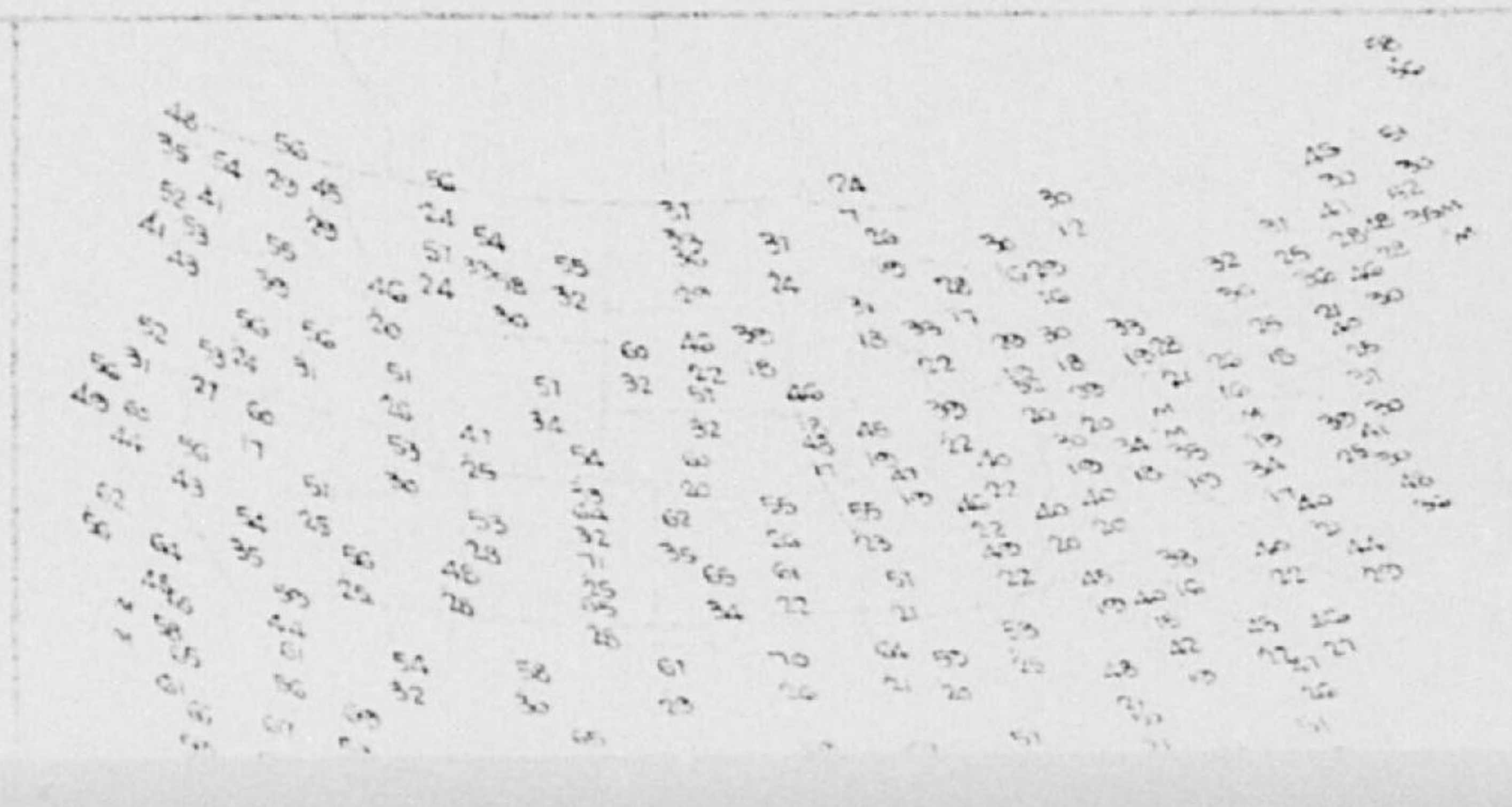
HIGHEST AND LOWEST TEMPERATURES

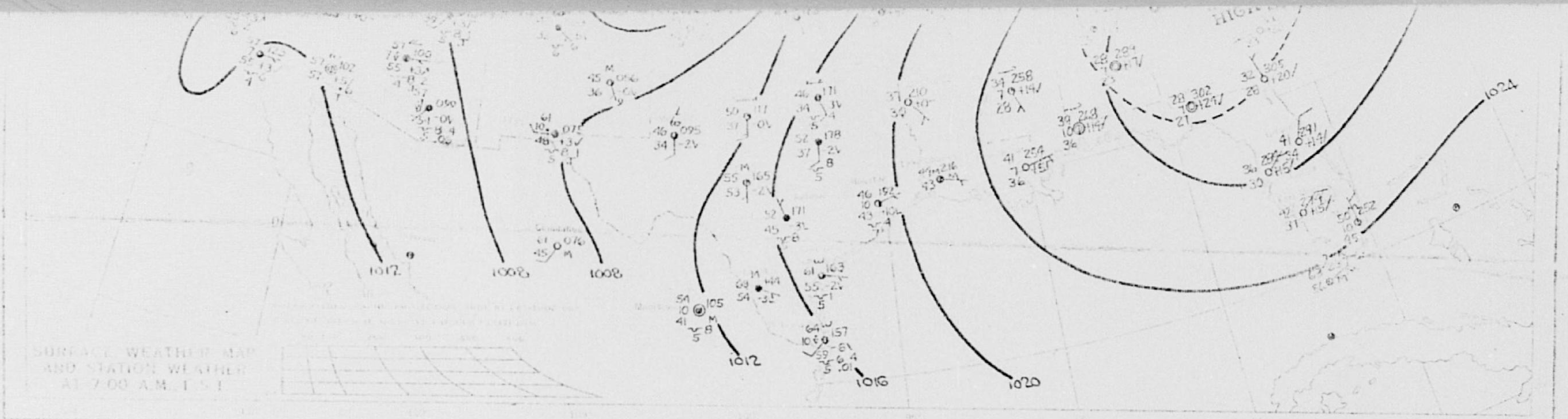

PRECIPITATION AREAS AND AMOUNTS

SUNDAY, NOVEMBER 16, 1969

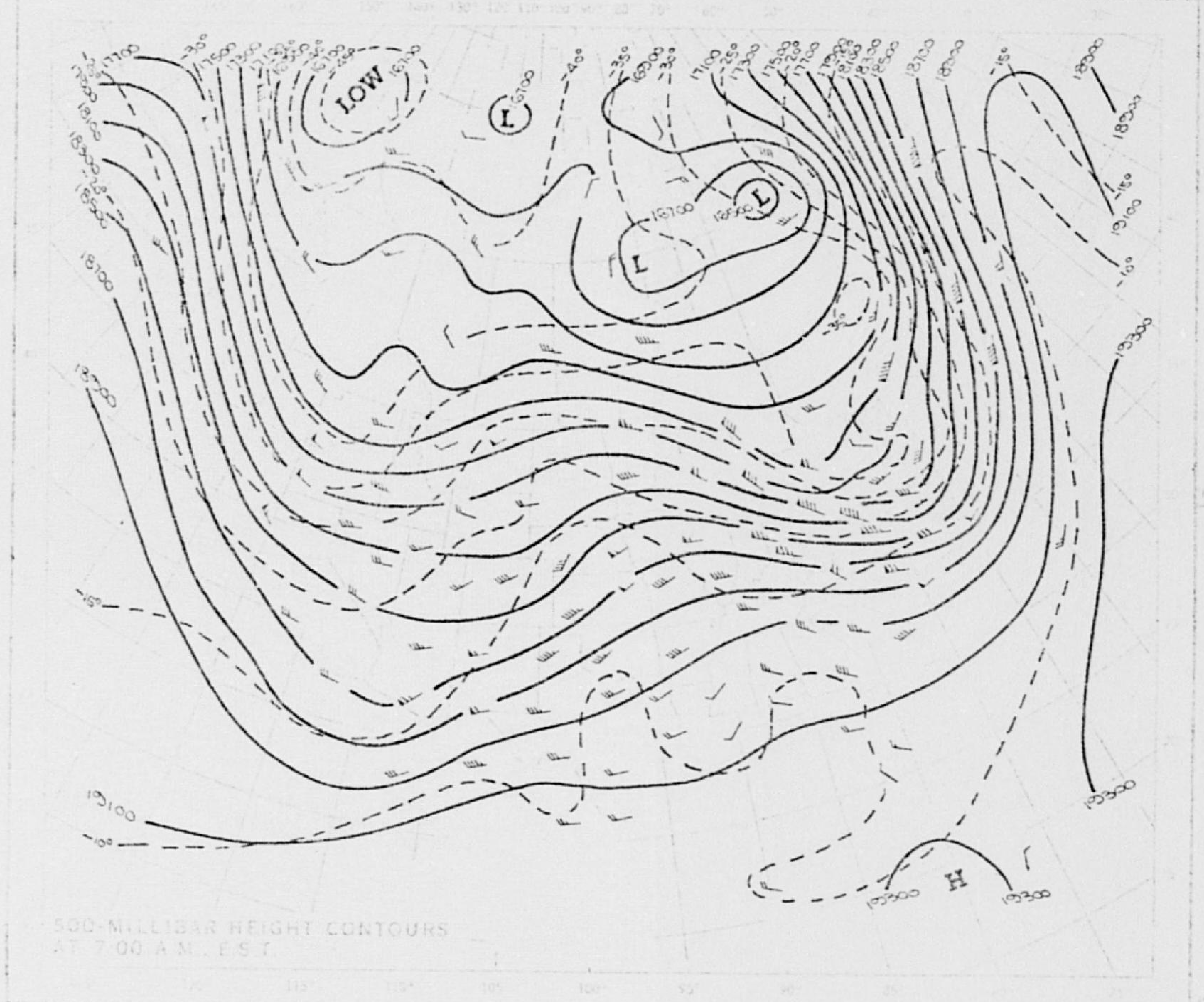

SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.
1012
1008
32°
1016
1020
0°
996
1000
1004
1024
HIGH
LOW






1012
1008
1008
1012
1016
1020
1024
HIGH

SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.


LOW
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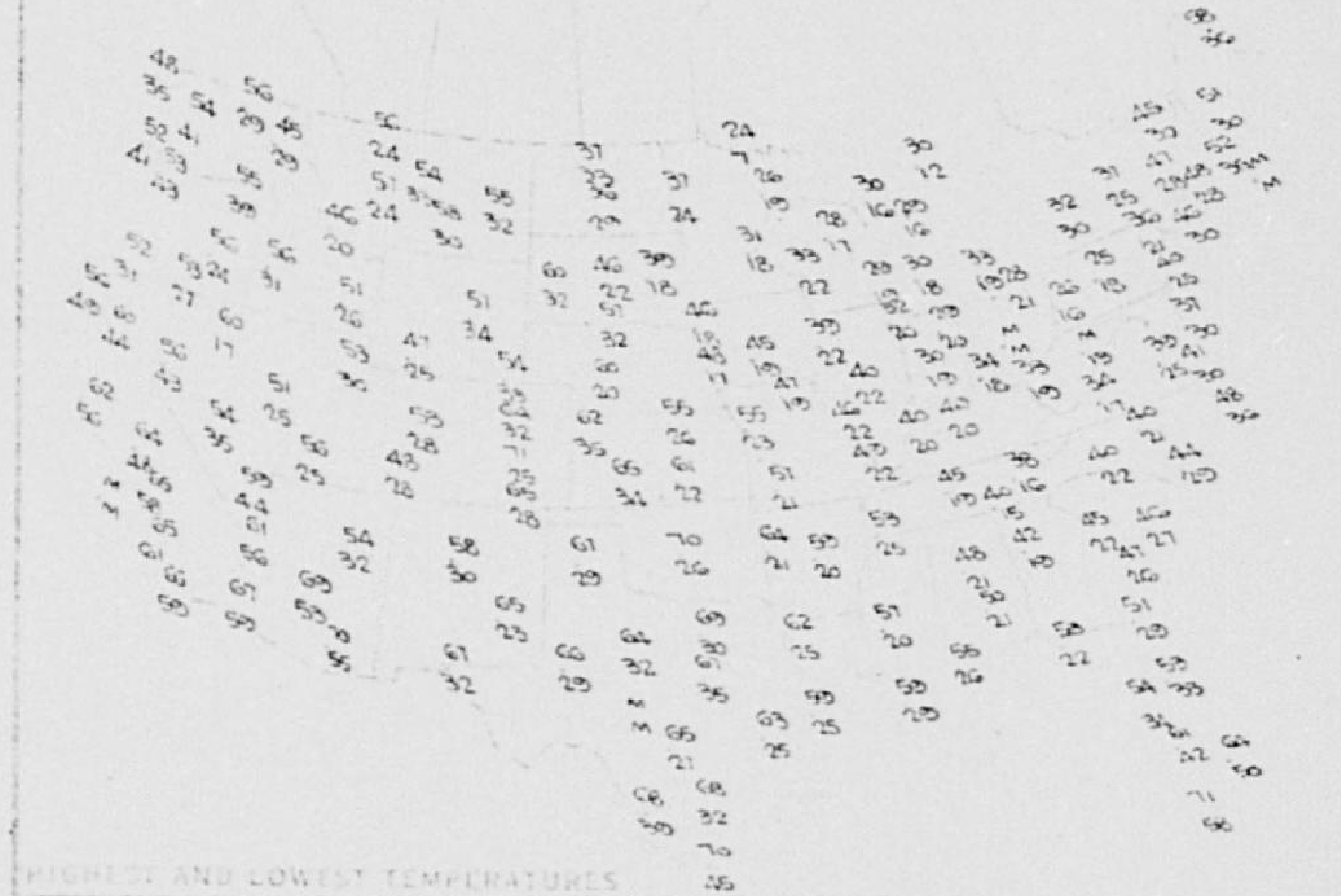
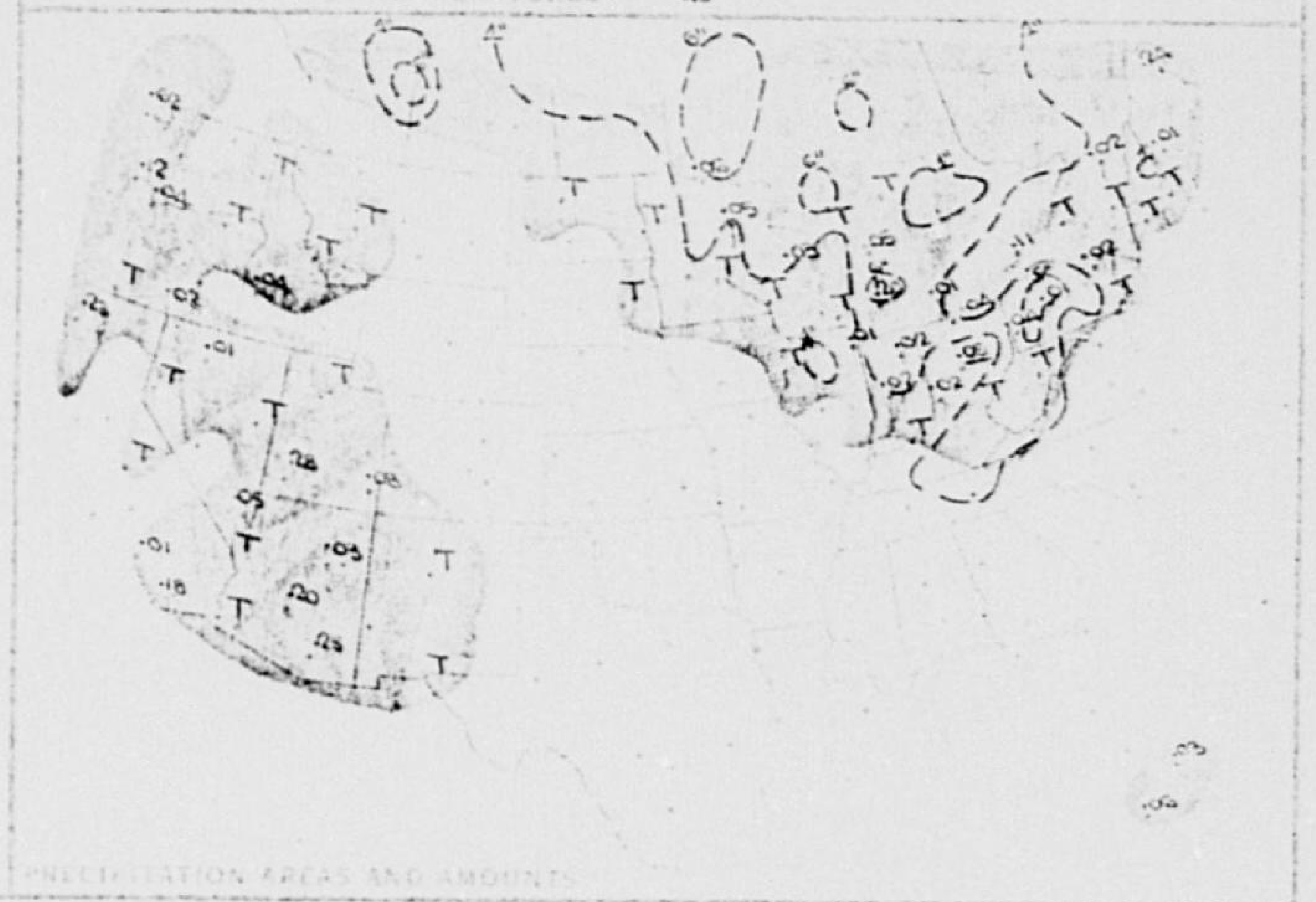
19100
19300
19300
18300

500-MILLIBAR HEIGHT CONTOURS AT 7:00 A.M., E.S.T.



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

U.S. DEPARTMENT OF COMMERCE/Environmental Science Services Administration/Environmental Data Service

DAILY WEATHER MAPS

WEEKLY SERIES NOVEMBER 10-16, 1969

The charts in this publication are a continuation of the principal charts of the Weather Bureau publication, *Daily Weather Map*. They include the Surface Weather Map, the 500-Millibar Chart, the Highest and Lowest Temperatures Chart, and the Daily Precipitation Chart. All of the charts for one day are arranged on a single page of this publication. They are copied from operational weather maps prepared by the National Meteorological Center, Weather Bureau. The symbols used on the Surface Weather Map and the 500-Millibar Chart are the same as those used previously in *Daily Weather Map*. An explanatory sheet is available, and single copies may be obtained without charge by writing to: Environmental Science Services Administration, Publications Section, AD 143, Rockville, Maryland 20852. Bulk copies may be ordered from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, at a cost of $3.75 per 50 copies. Checks should be made payable to the Superintendent of Documents.

The Surface Weather Map presents station data and the analysis for 7:00 a.m./e.s.t. The tracks of well-defined low pressure areas are indicated by chains of arrows; the locations of these centers at times 6, 12, and 18 hours preceding map time are indicated by small black squares enclosing white crosses. Areas of precipitation are indicated by shading. The weather reports that are printed here are only a fraction of those that are included in the operational weather maps, and on which the analyses are based. Occasional apparent discrepancies between the printed station data and the analyses result from those station reports that cannot be included in the published maps because of lack of space.

The 500-Millibar Chart presents the height contours and isotherms of the 500-millibar surface at 7:00 a.m./e.s.t. The height contours are shown as continuous lines, and are labeled in feet above sea level. The isotherms are shown as dashed lines, and are labeled in degrees Celsius. The arrows show the wind direction and speed at the 500-millibar level.

The Highest and Lowest Temperatures Chart presents the maximum and minimum values for the 24-hour period ending at 1:00 a.m./e.s.t. The names of the reporting points can be obtained from the Surface Weather Map. The maximum temperature is plotted above the station location, and the minimum temperature is plotted below this point.

The Precipitation Areas and Amounts Chart indicates by means of shading the areas that had precipitation during the 24 hours ending at 1:00 a.m. Amounts in inches to the nearest hundredth of an inch are for the same period. Incomplete totals are underlined. "T" indicates a trace of precipitation. Dashed lines show the depth of snow on the ground in inches as of 7:00 a.m. of the previous day.

ation. They are copied from operational weather maps prepared by the National Meteorological Center, Weather Bureau. The symbols used on the Surface Weather Map and the 500-Millibar Chart are the same as those used previously in *Daily Weather Map*. An explanatory sheet is available, and single copies may be obtained without charge by writing to: Environmental Science Services Administration, Publications Section, AD 143, Rockville, Maryland 20852. Bulk copies may be ordered from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, at a cost of $3.75 per 50 copies. Checks should

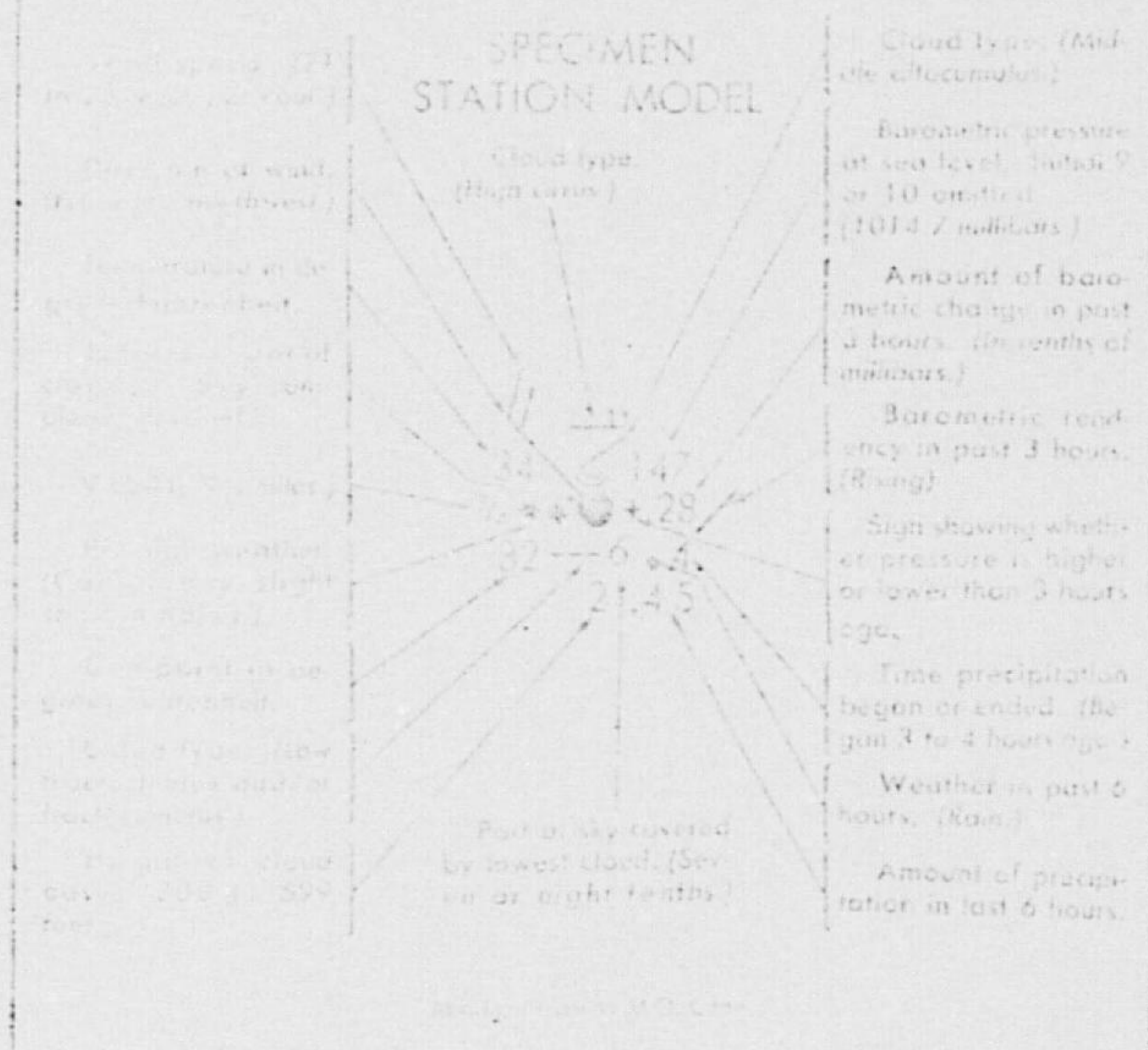
small black squares enclosing white crosses. Areas of precipitation are indicated by shading. The weather reports that are printed here are only a fraction of those that are included in the operational weather maps, and on which the analyses are based. Occasional apparent discrepancies between the printed station data and the analyses result from those station reports that cannot be included in the published maps because of lack of space.

The 500-Millibar Chart presents the height contours and isotherms of the 500-millibar surface at 7:00 a.m./e.s.t. The height contours are shown as continuous lines, and are labeled in feet

names of the reporting points can be obtained from the Surface Weather Map. The maximum temperature is plotted above the station location, and the minimum temperature is plotted below this point.

The Precipitation Areas and Amounts Chart indicates by means of shading the areas that had precipitation during the 24 hours ending at 1:00 a.m. Amounts in inches to the nearest hundredth of an inch are for the same period. Incomplete totals are underlined. "T" indicates a trace of precipitation. Dashed lines show the depth of snow on the ground in inches as of 7:00 a.m. of the previous day.

SPECIMEN STATION MODEL



Cloud type. (High cirrus.)
Cloud types. (Middle altocumulus.)
Barometric pressure at sea level. Initial 9 or 10 omitted. (1014.7 millibars.)
Amount of barometric change in past 3 hours. (In tenths of millibars.)
Barometric tendency in past 3 hours. (Rising)
Sign showing whether pressure is higher or lower than 3 hours ago.
Time precipitation began or ended. (Began 3 to 4 hours ago.)
Weather in past 6 hours. (Rain.)
Amount of precipitation in last 6 hours.
Part of sky covered by lowest cloud. (Seven or eight tenths.)
34
147
28
32
6
21
45

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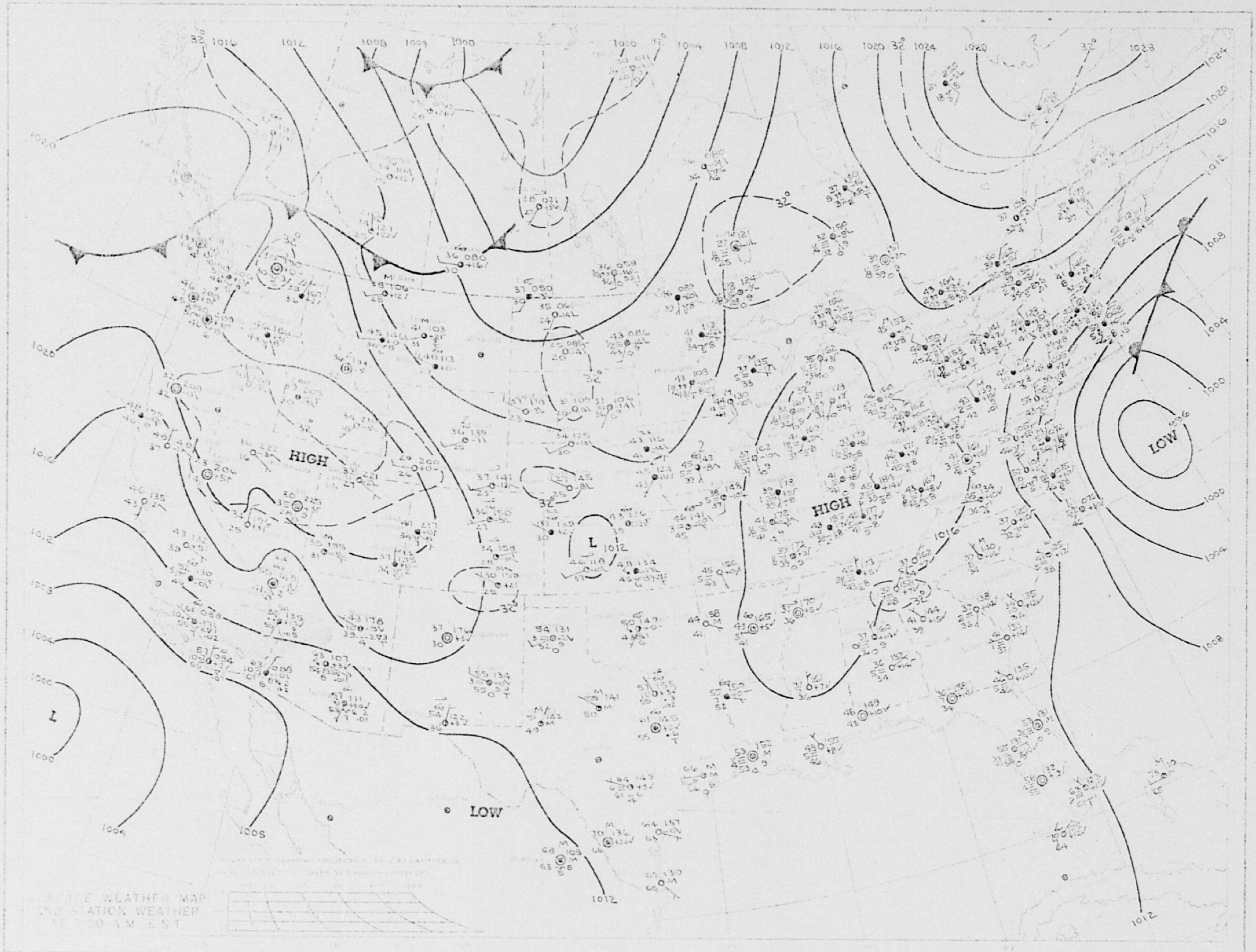
HEADQUARTERS FOREIGN TECHNOLOGY DIV
AFSC-TDPTR
WRIGHT-PATTERSON AFB OH 45433


SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
HIGH
HIGH
LOW
LOW
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1012
32°
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1004
1008
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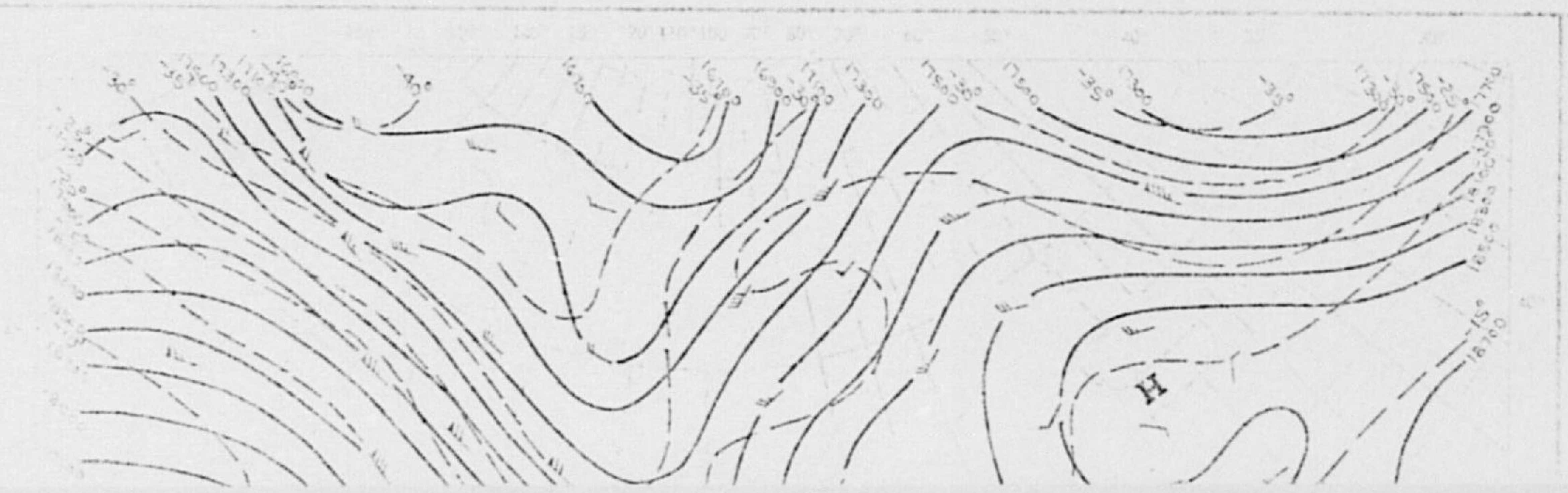
1028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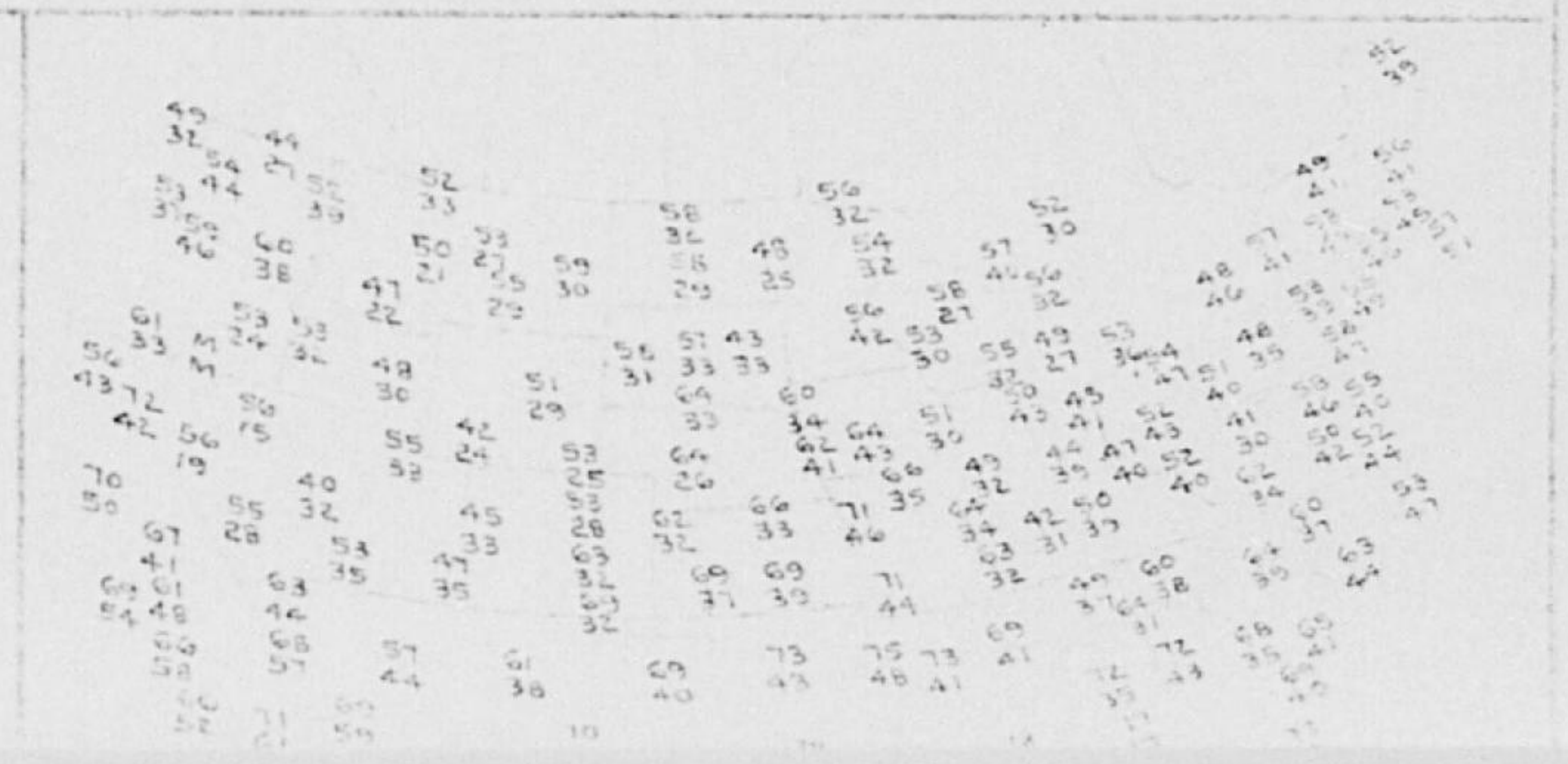
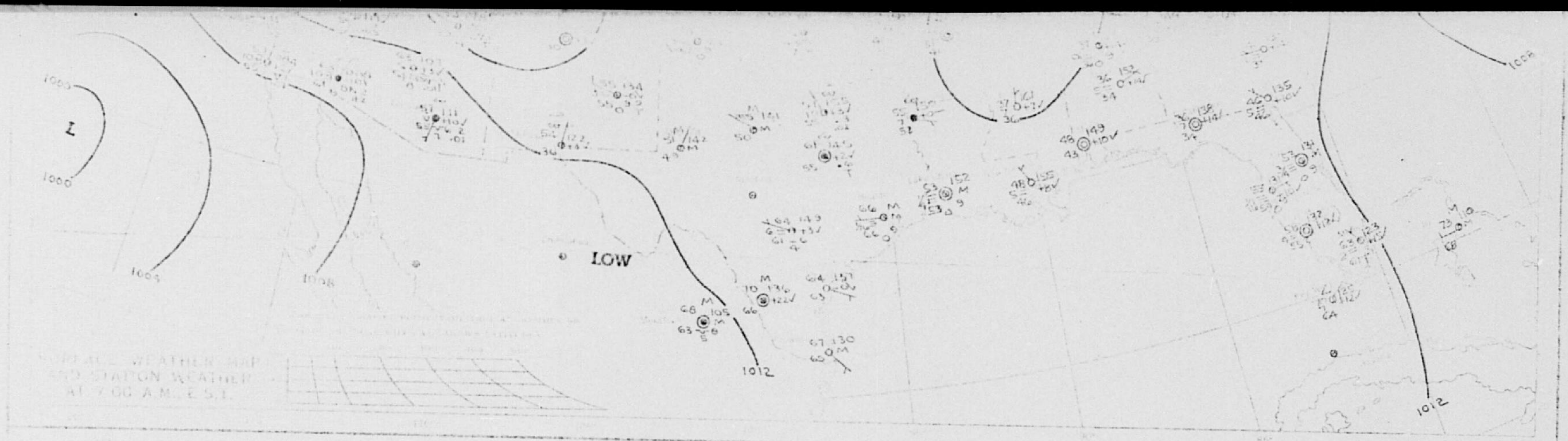
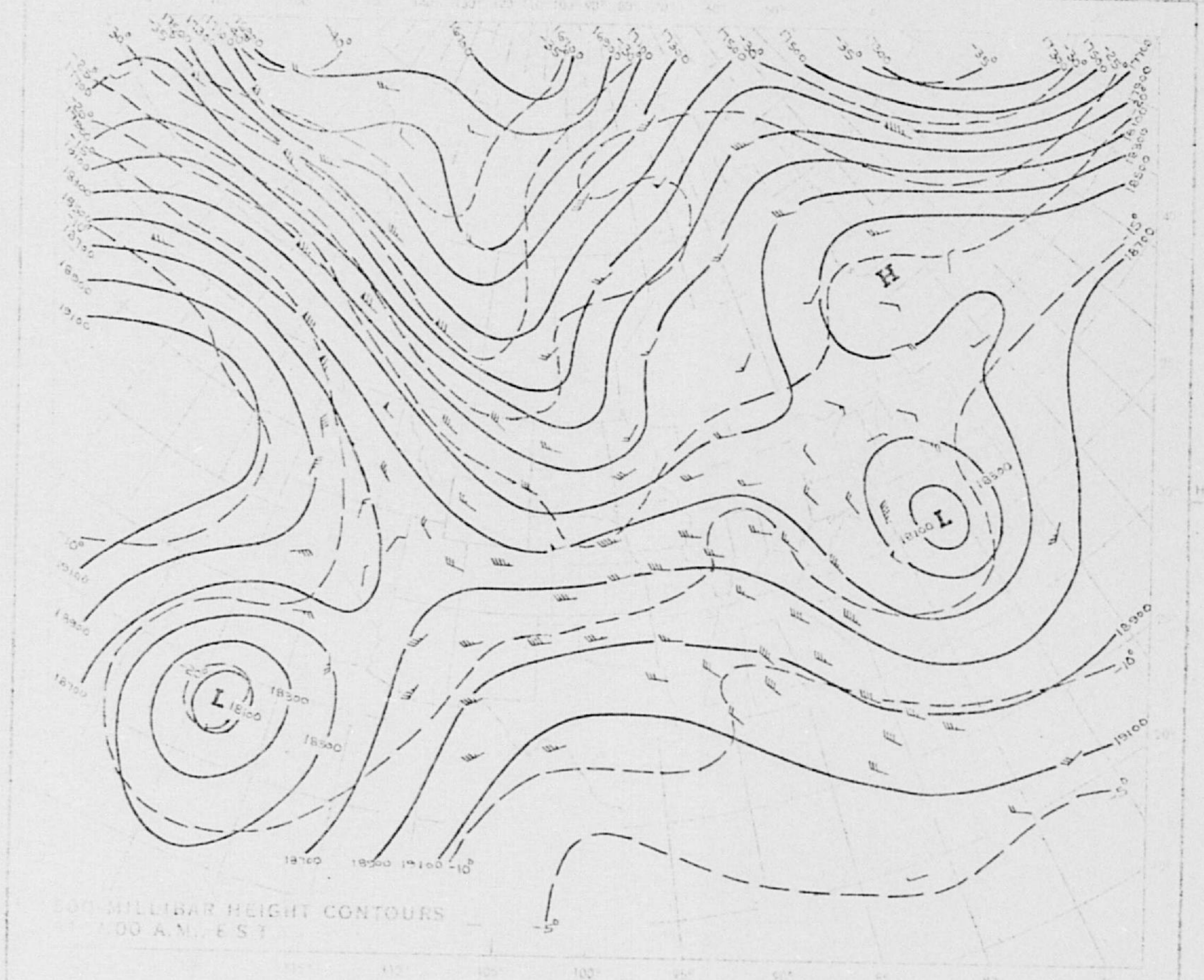
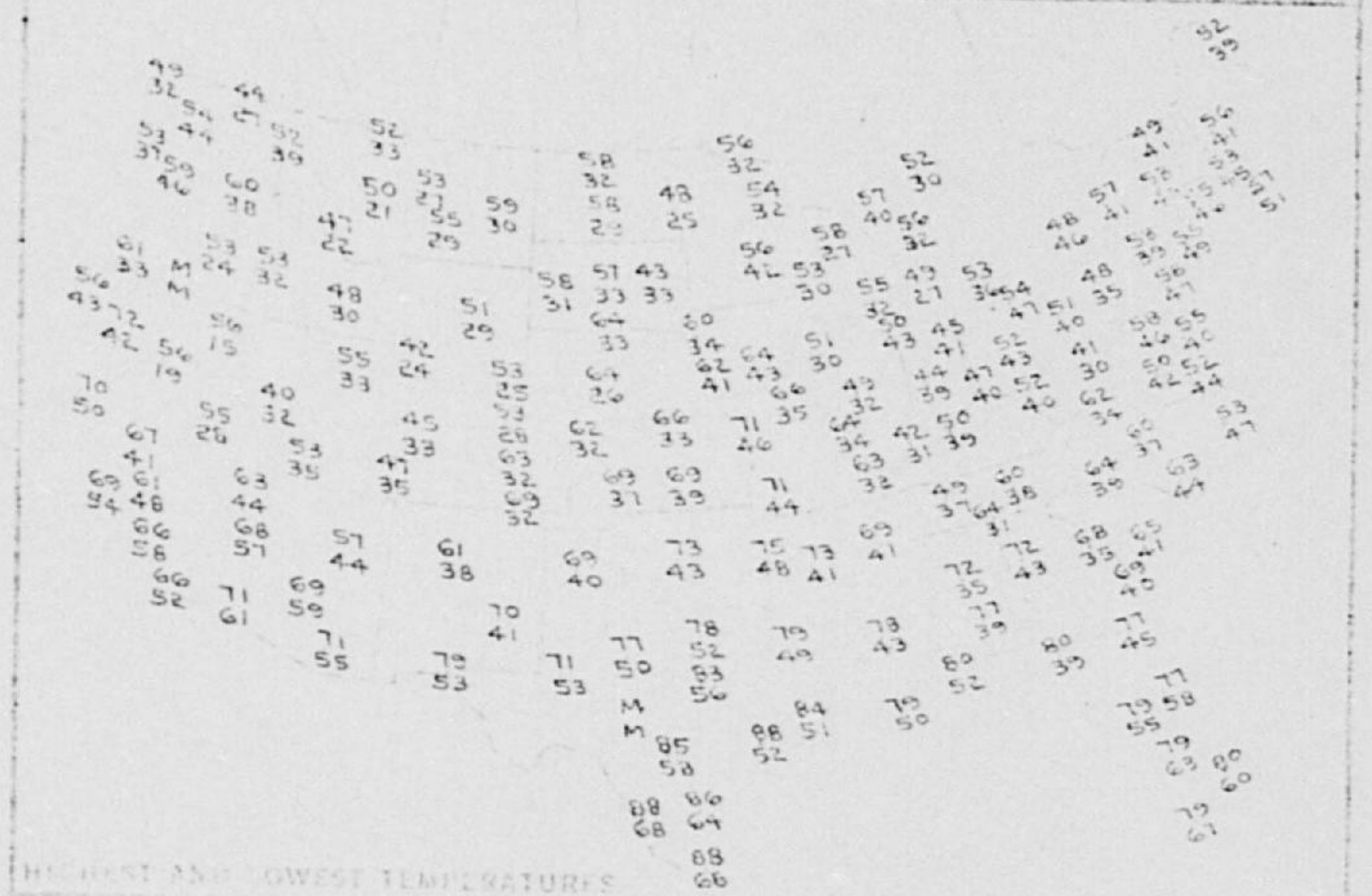
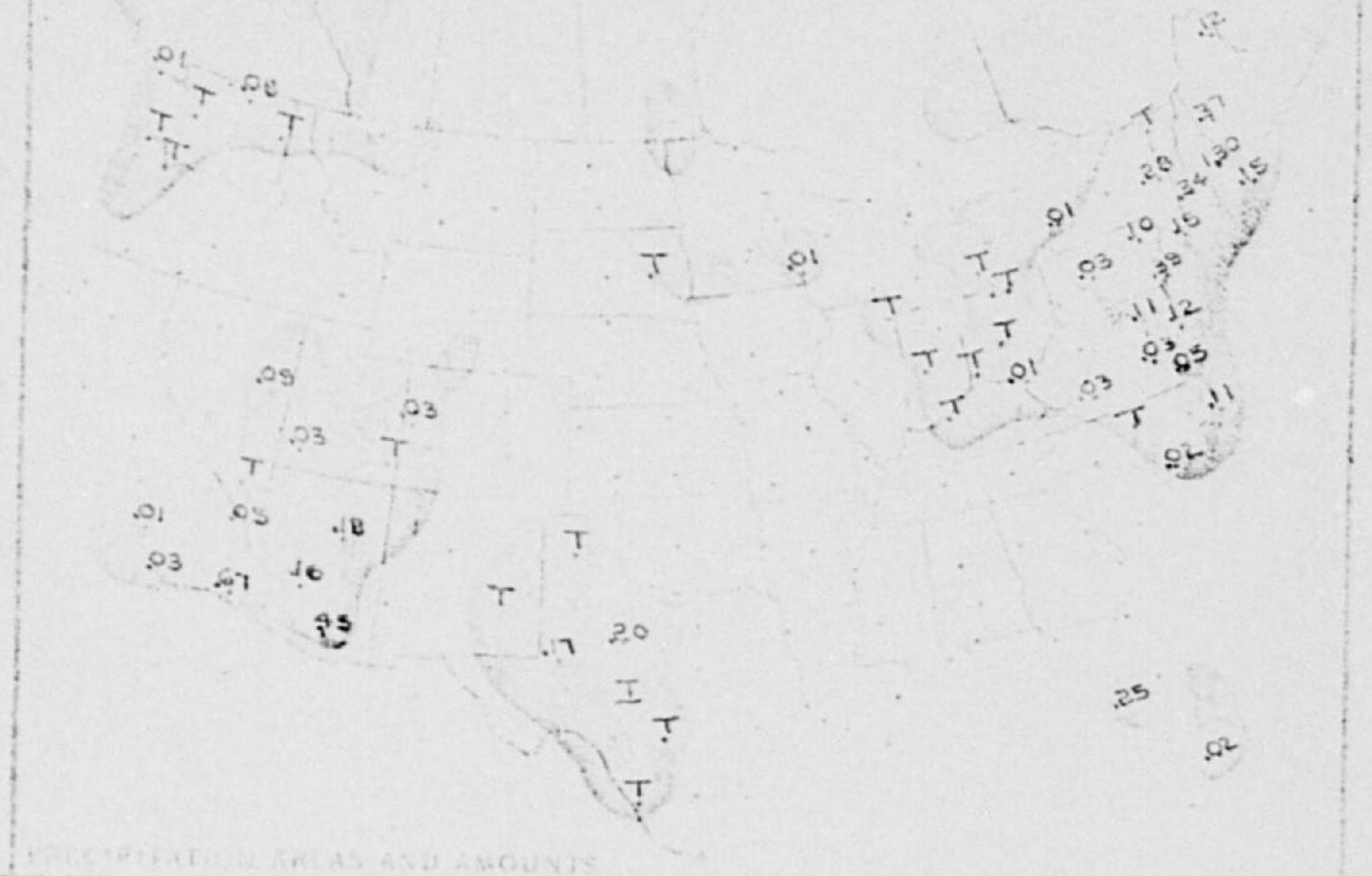


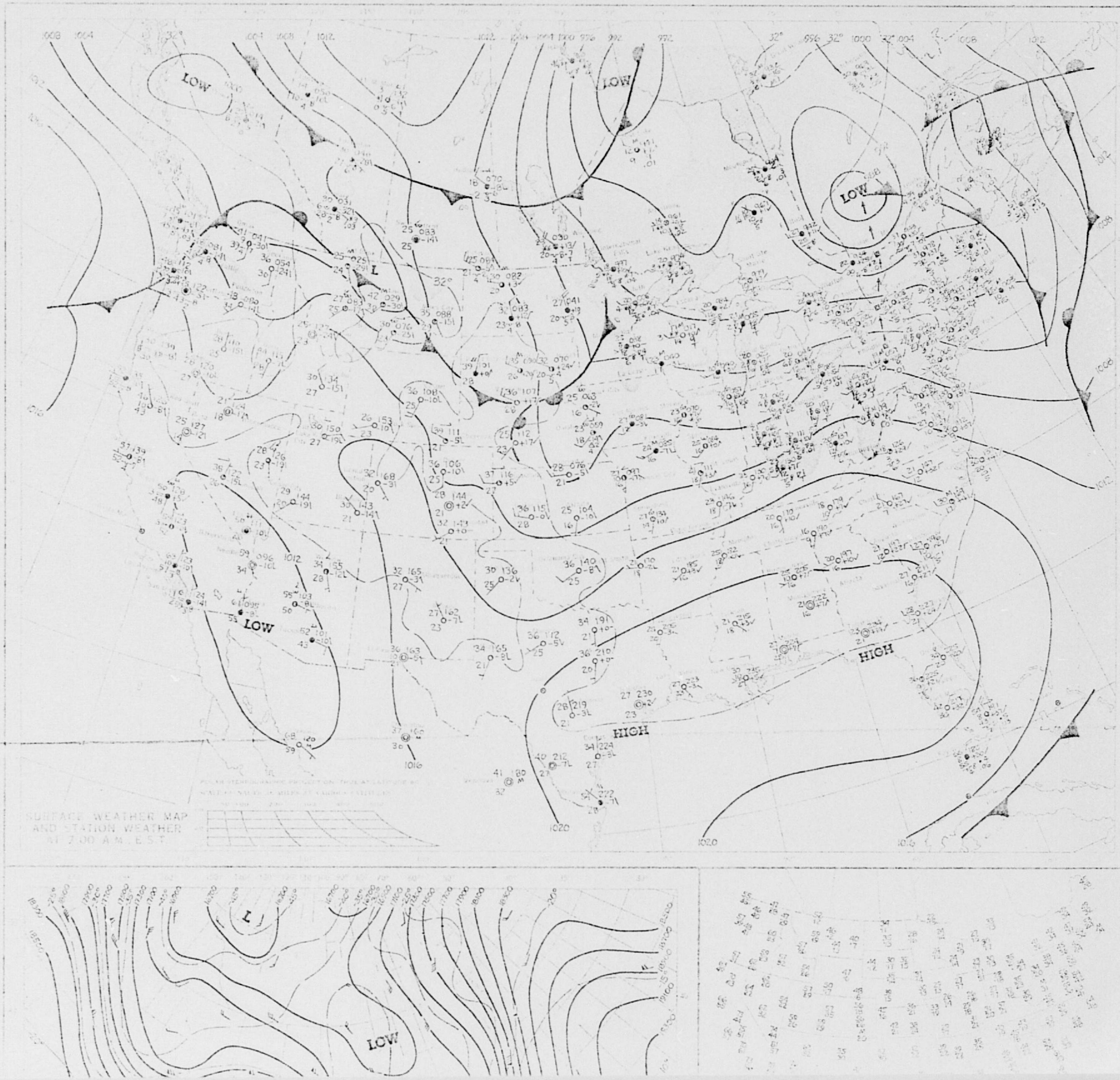

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M., E.S.T.
LOW
L
1000
1004
1008
1012

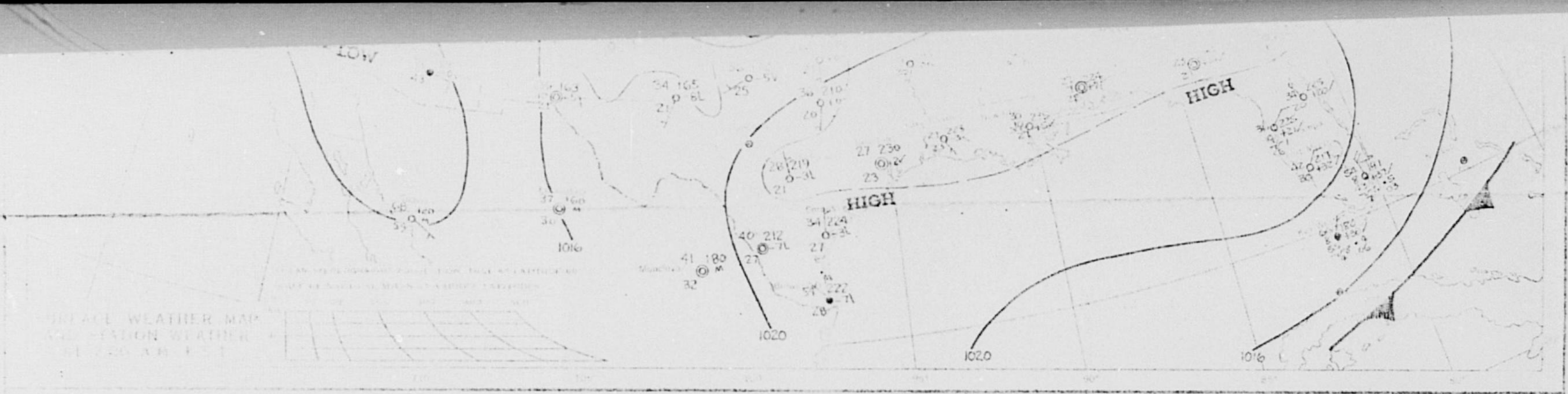

500 MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M., E.S.T.
H
L
L
18100
18300
18500
18700
18900
19100
-5°
-10°
-15°


HIGHEST AND LOWEST TEMPERATURES

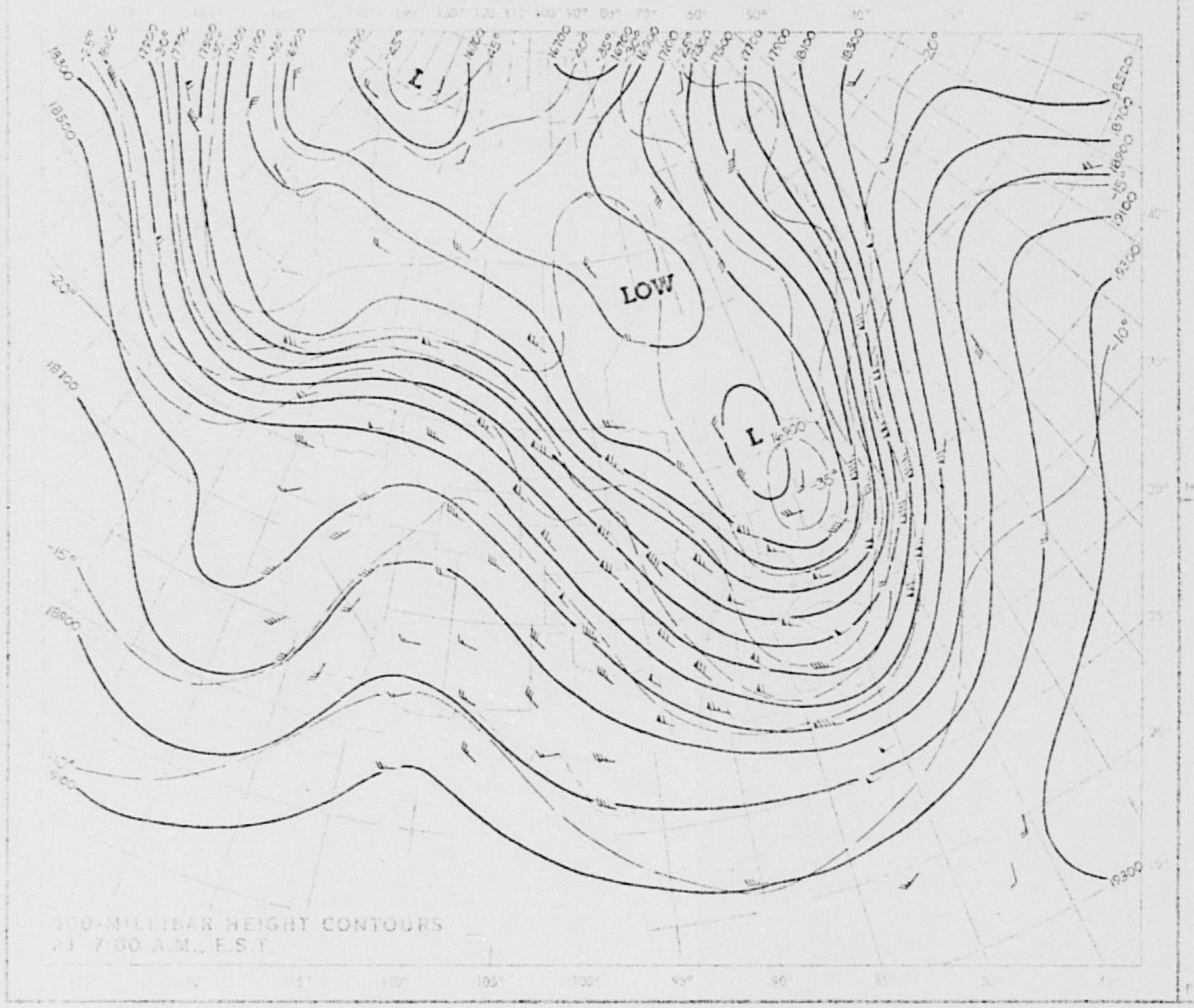

PRECIPITATION AREAS AND AMOUNTS
T

SATURDAY, NOVEMBER 15, 1969

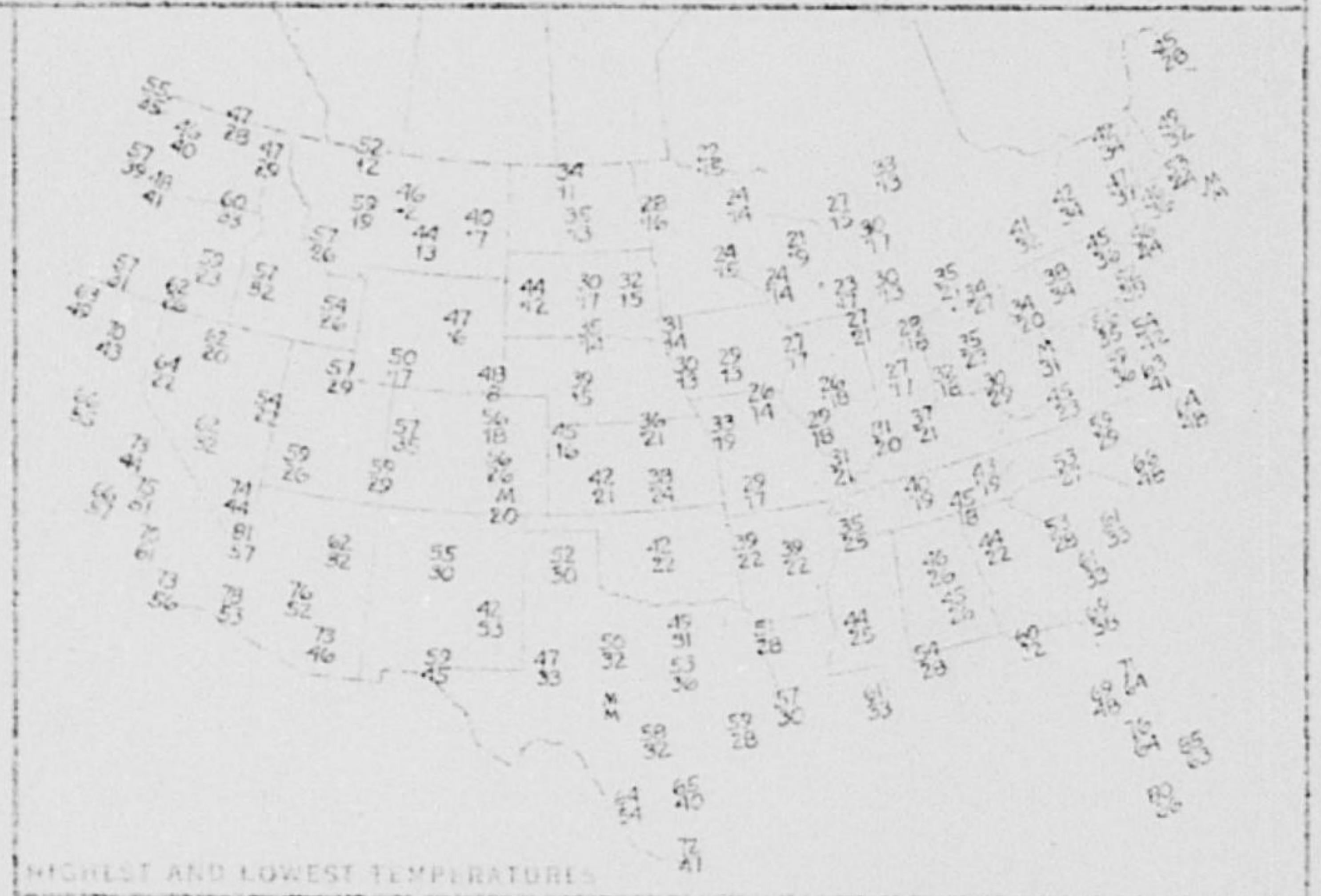

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
HIGH
HIGH
LOW
LOW
LOW
LOW
LOW
L
L
1008
1004
1012
1016
1020
1000
996
992
32°


LOW
HIGH
HIGH
HIGH
1016
1020
1020
1016

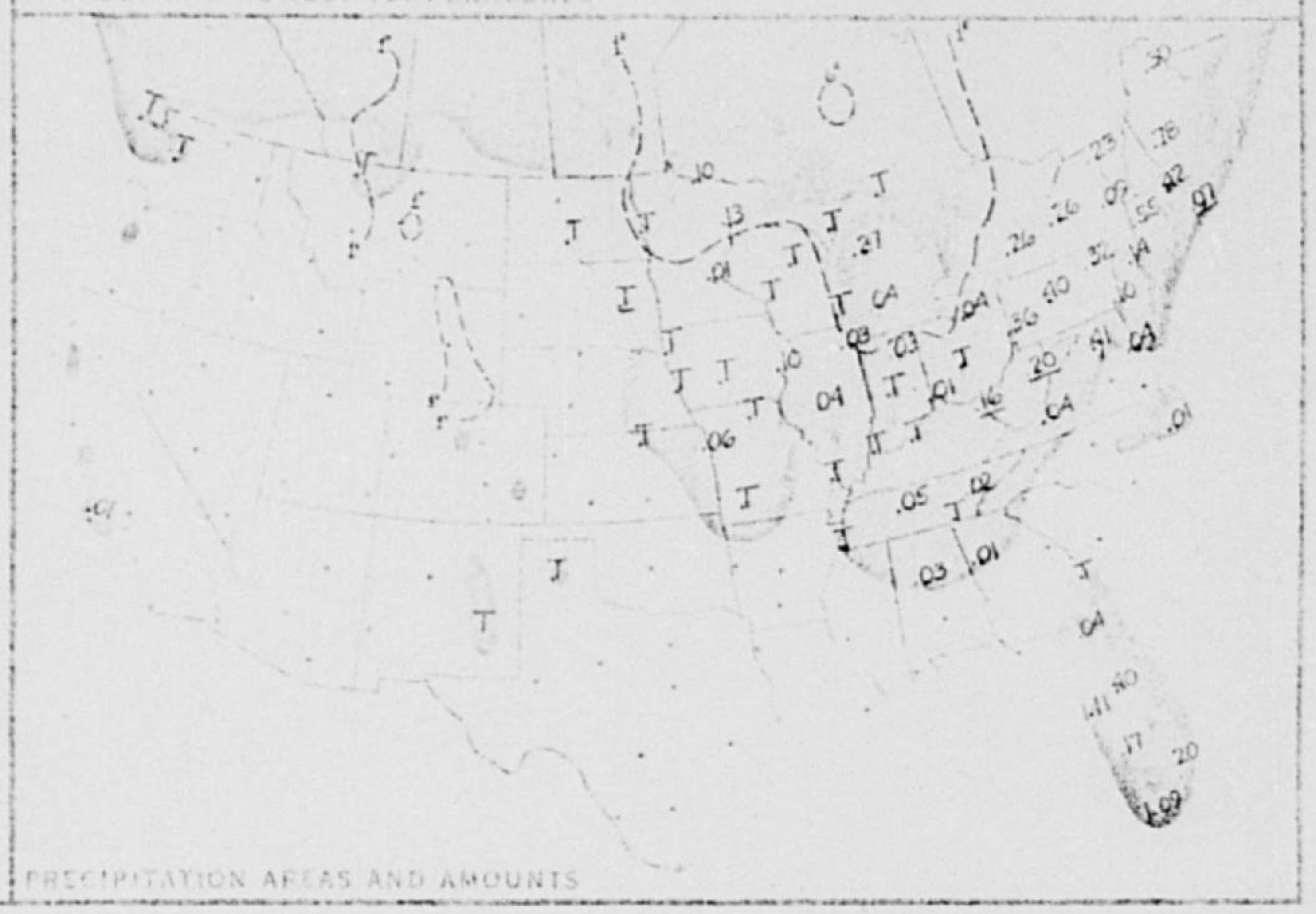
SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:30 A.M. E.S.T.


LOW
L
L
18300
18100
18550
-20°
-15°
-10°

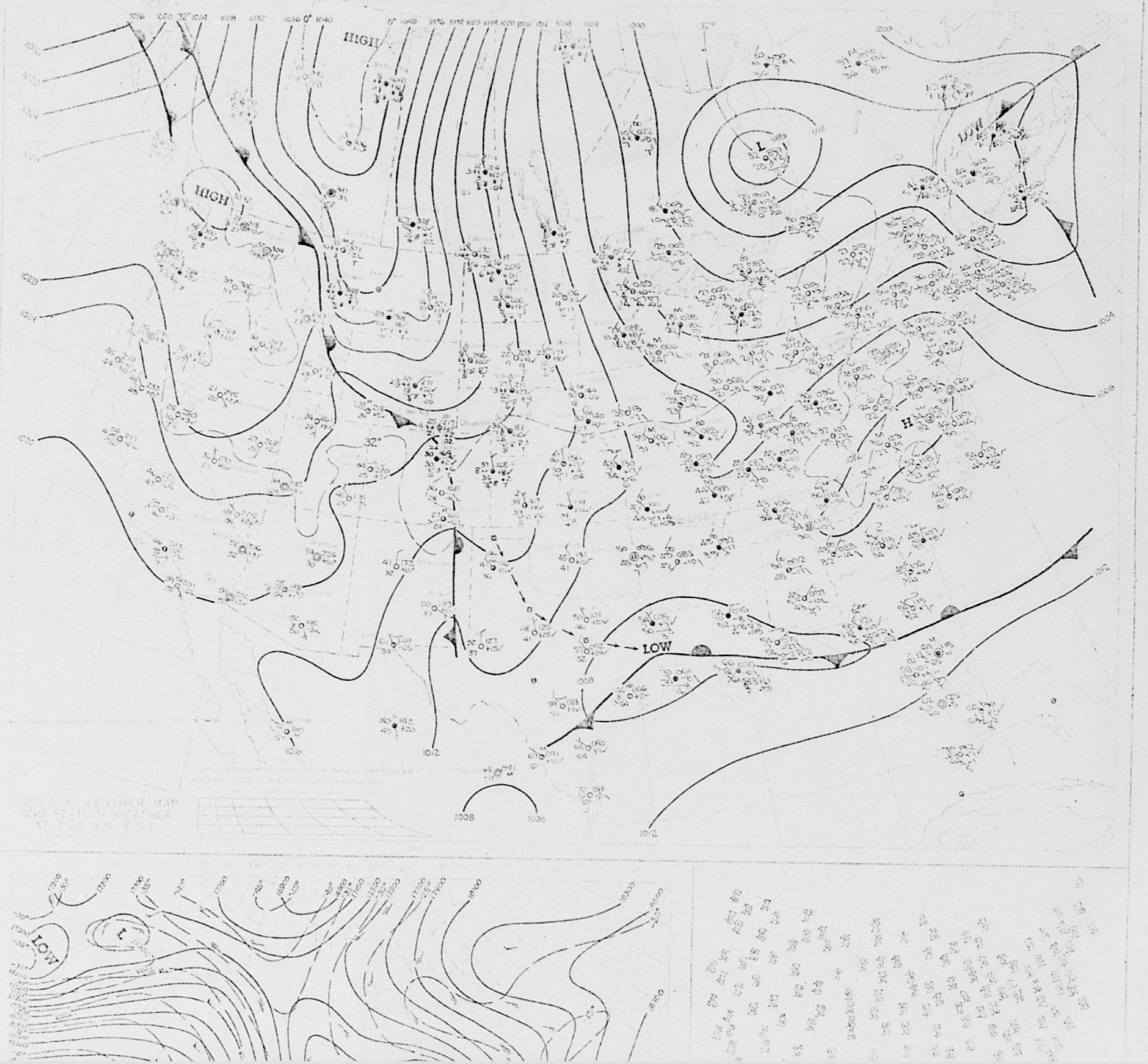
500-MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M., E.S.T.

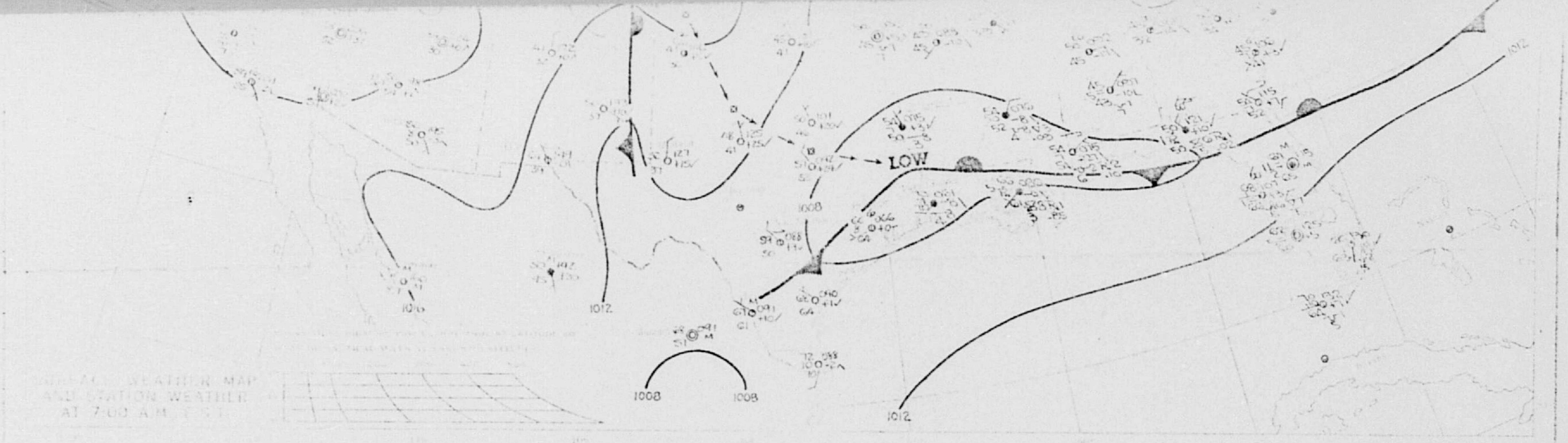


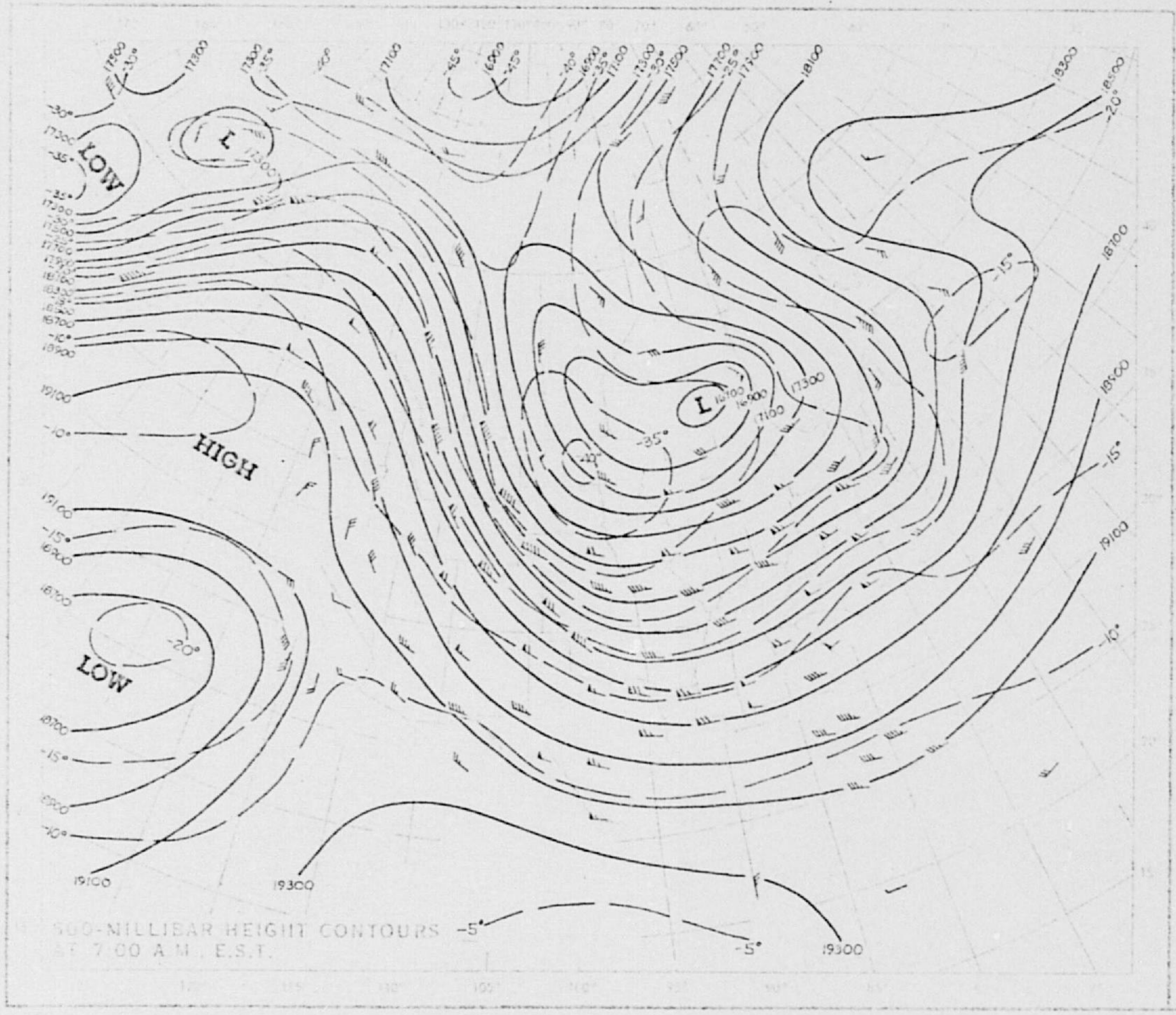
HIGHEST AND LOWEST TEMPERATURES

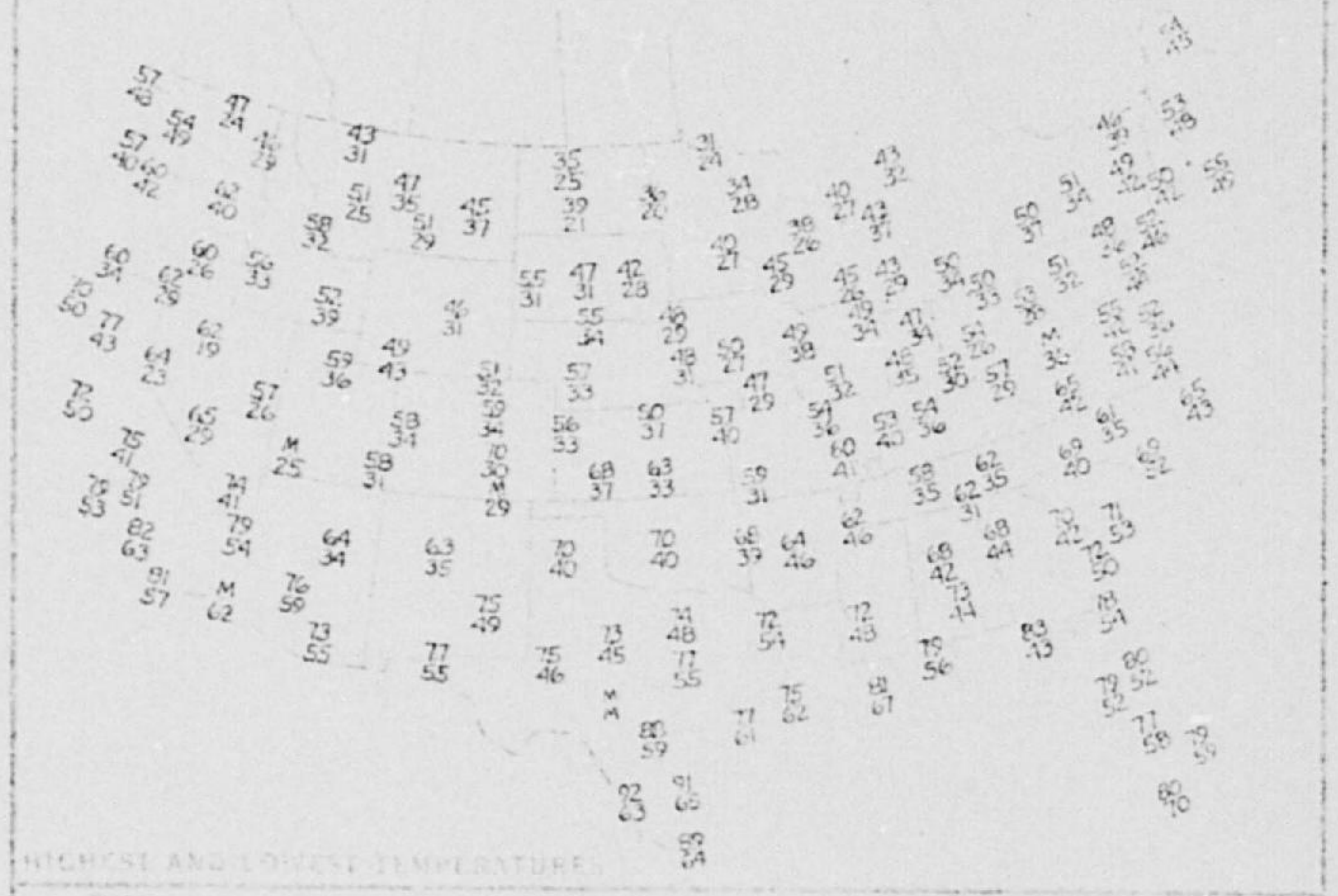


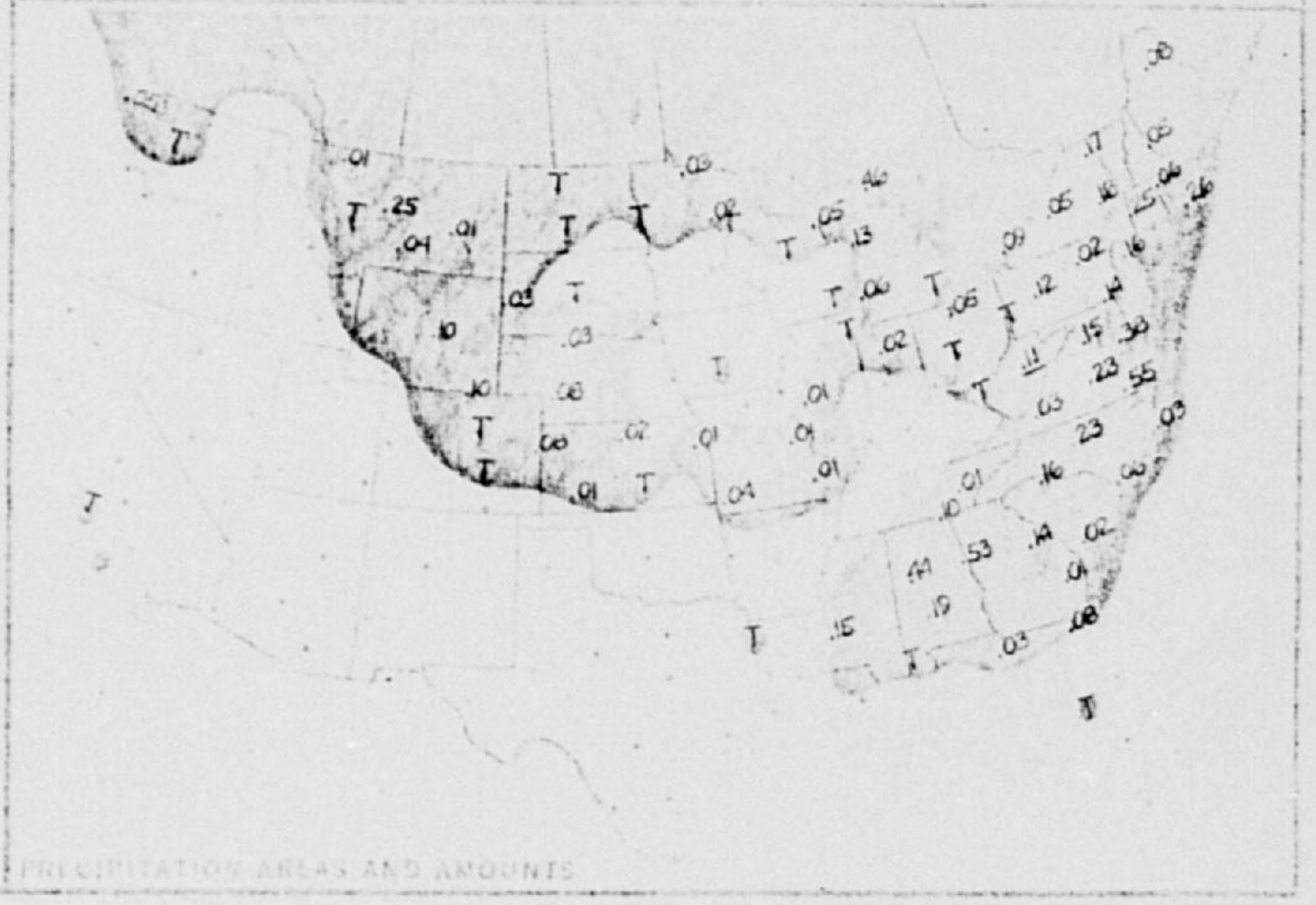
PRECIPITATION AREAS AND AMOUNTS


SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M., E.S.T.
HIGH
HIGH
LOW
LOW
L
H
32°
1008
1012
1016
1020
1024
1028
1032
1036
1040
1004
1000
LOW
L

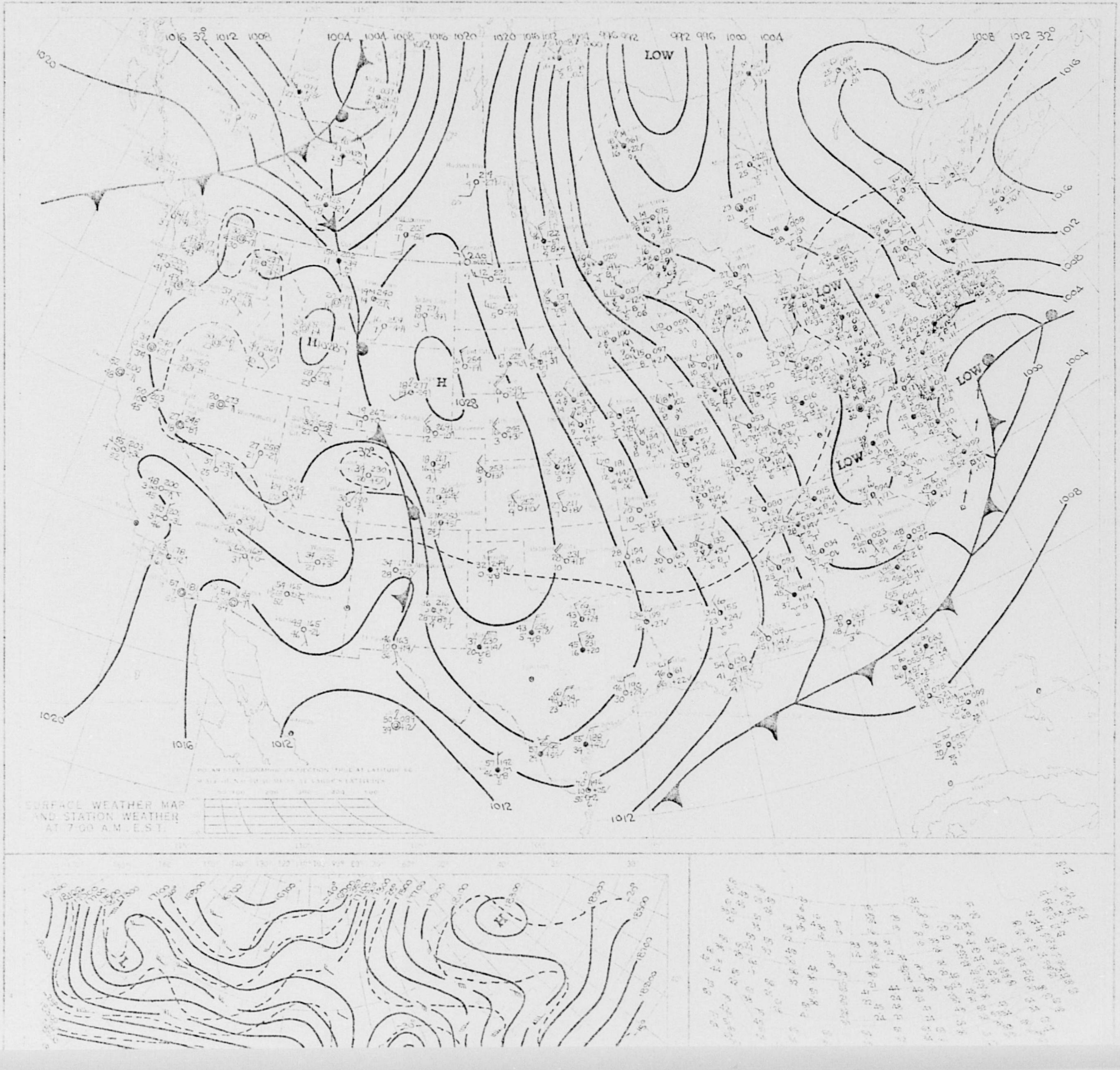

SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.
LOW
1008
1012
1016

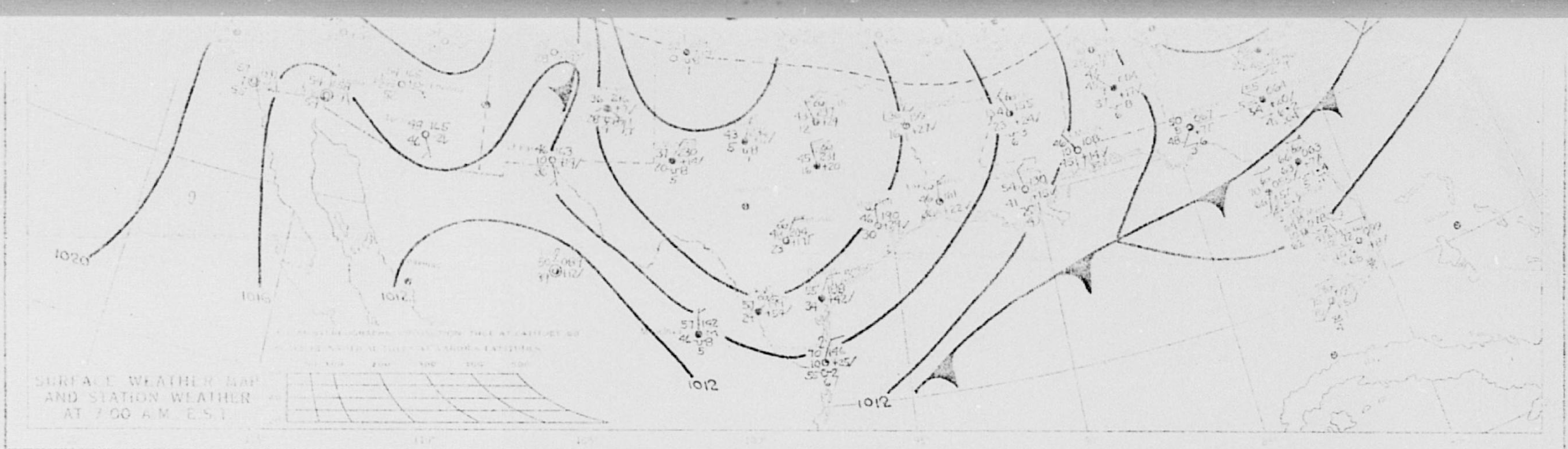

500-MILLIBAR HEIGHT CONTOURS AT 7:00 A.M., E.S.T.
LOW
HIGH
LOW
L
L
19300
19100
18300
18100
17300
-5°
-10°
-15°
-20°
-35°


HIGHEST AND LOWEST TEMPERATURES


PRECIPITATION AREAS AND AMOUNTS

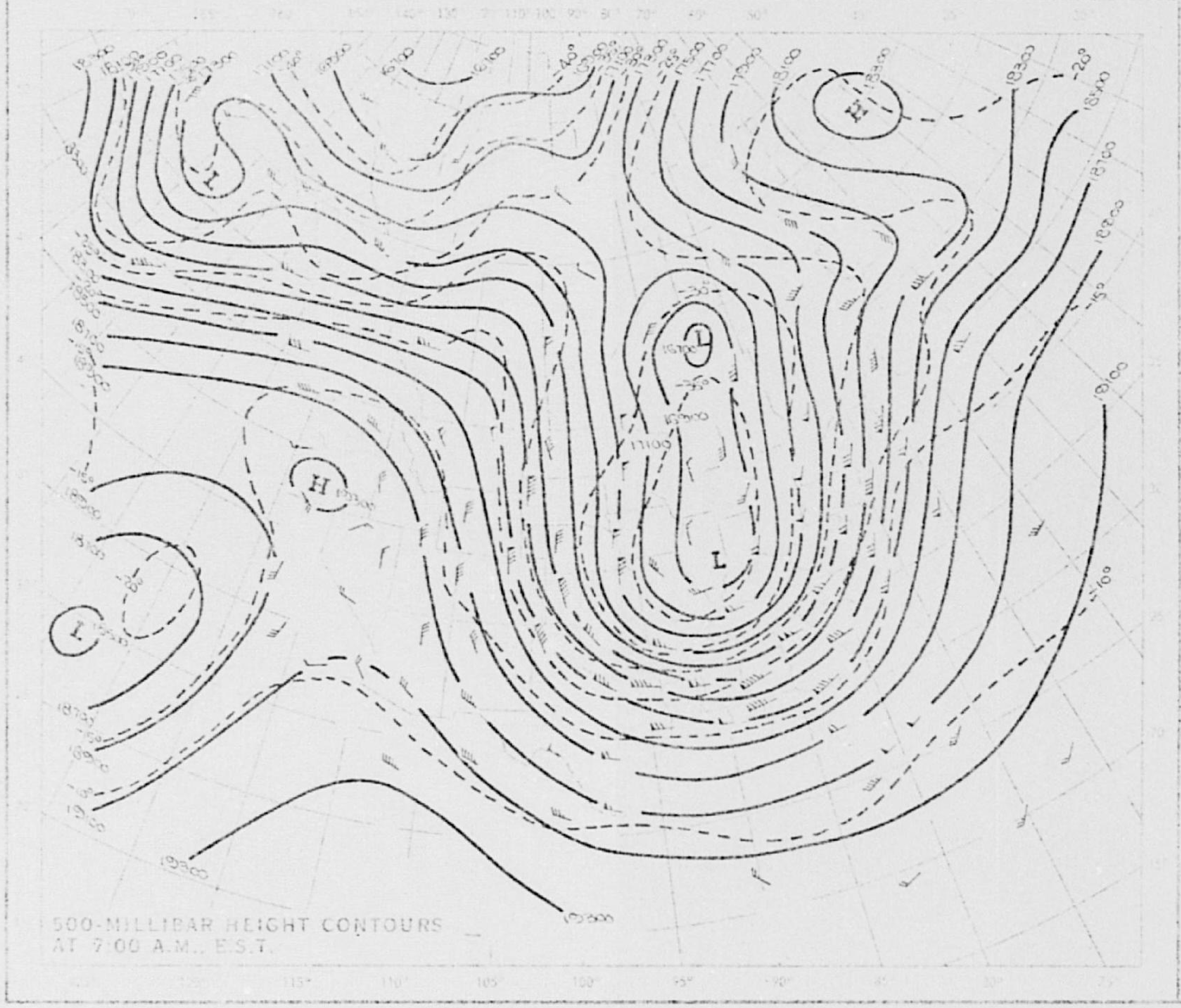
FRIDAY, NOVEMBER 14, 1969


SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
LOW
LOW
LOW
LOW
H
H
1028
1028
1004
1008
1012
1016
1020
992
996
1000
32°
H
L

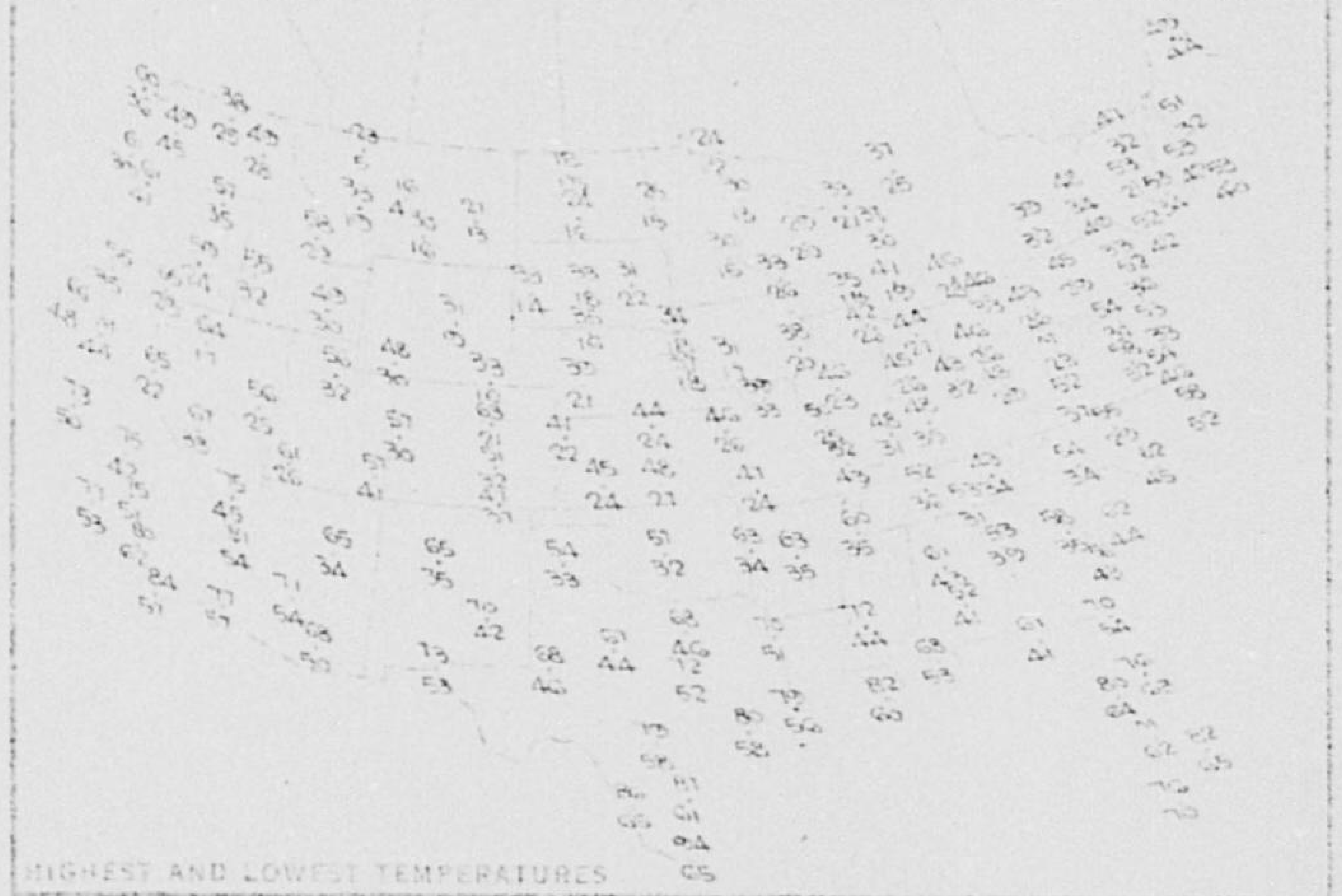


SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M. E.S.T.

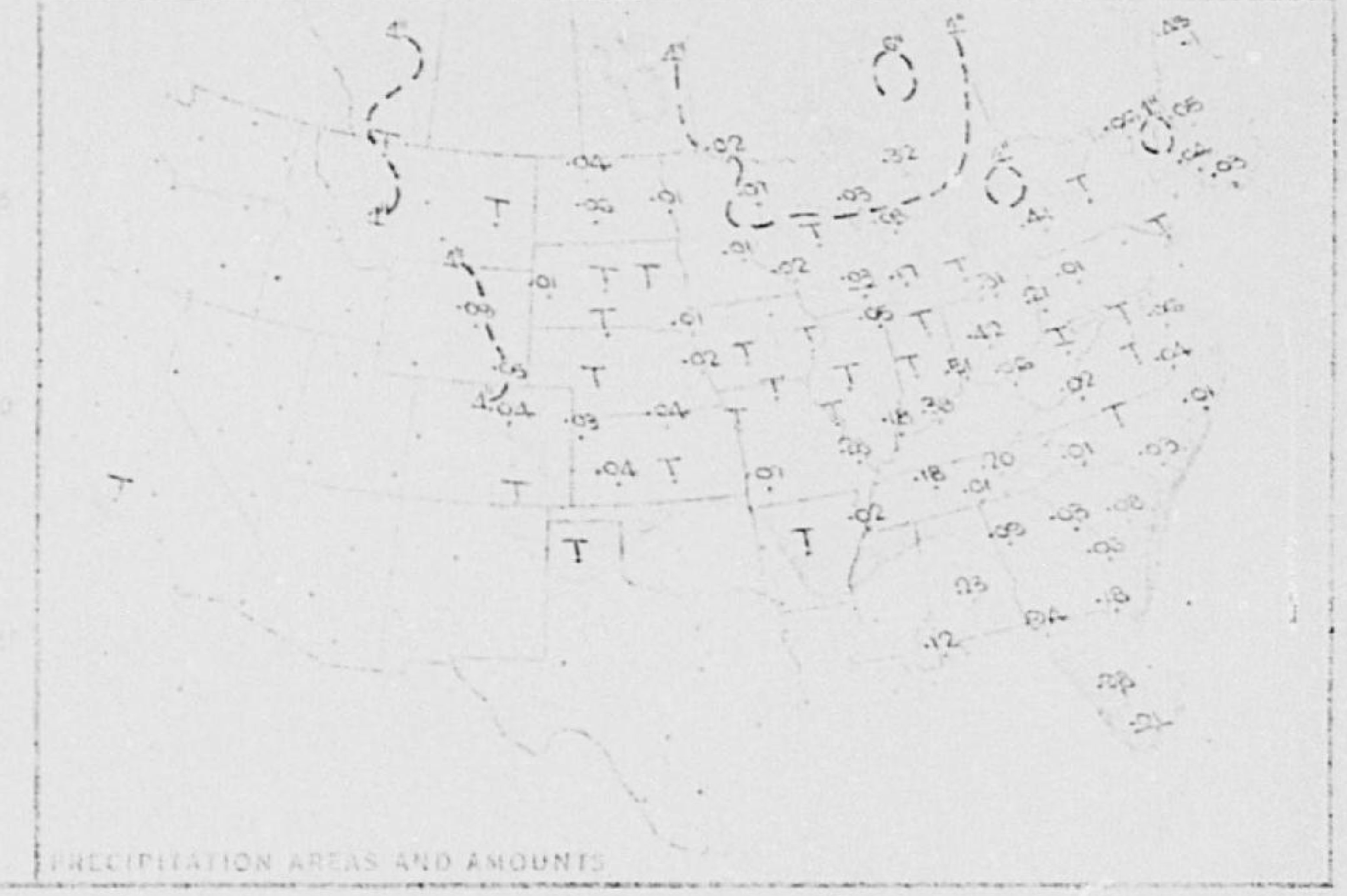
1020
1016
1012
1012
1012



500-MILLIBAR HEIGHT CONTOURS AT 7:00 A.M., E.S.T.

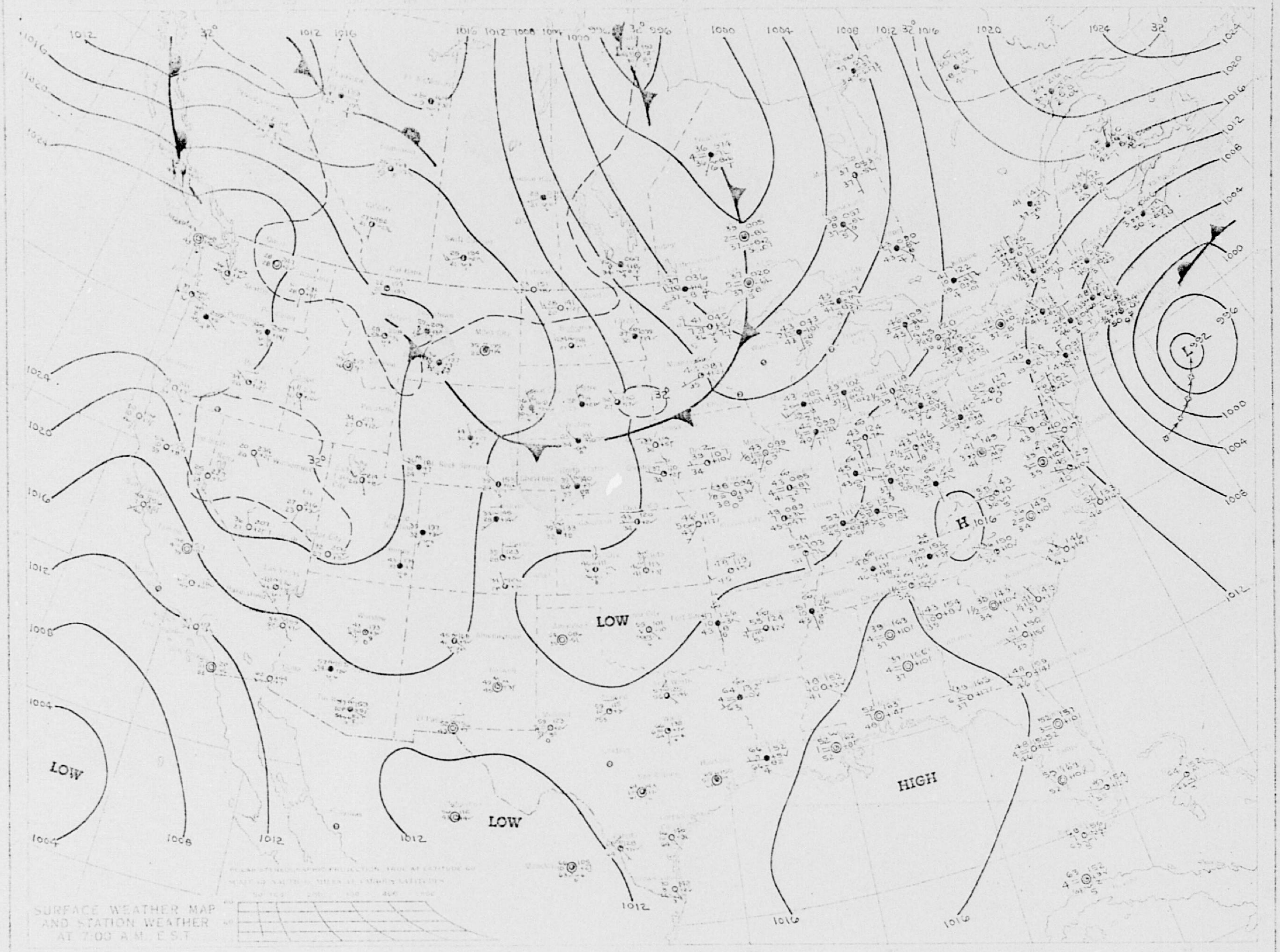


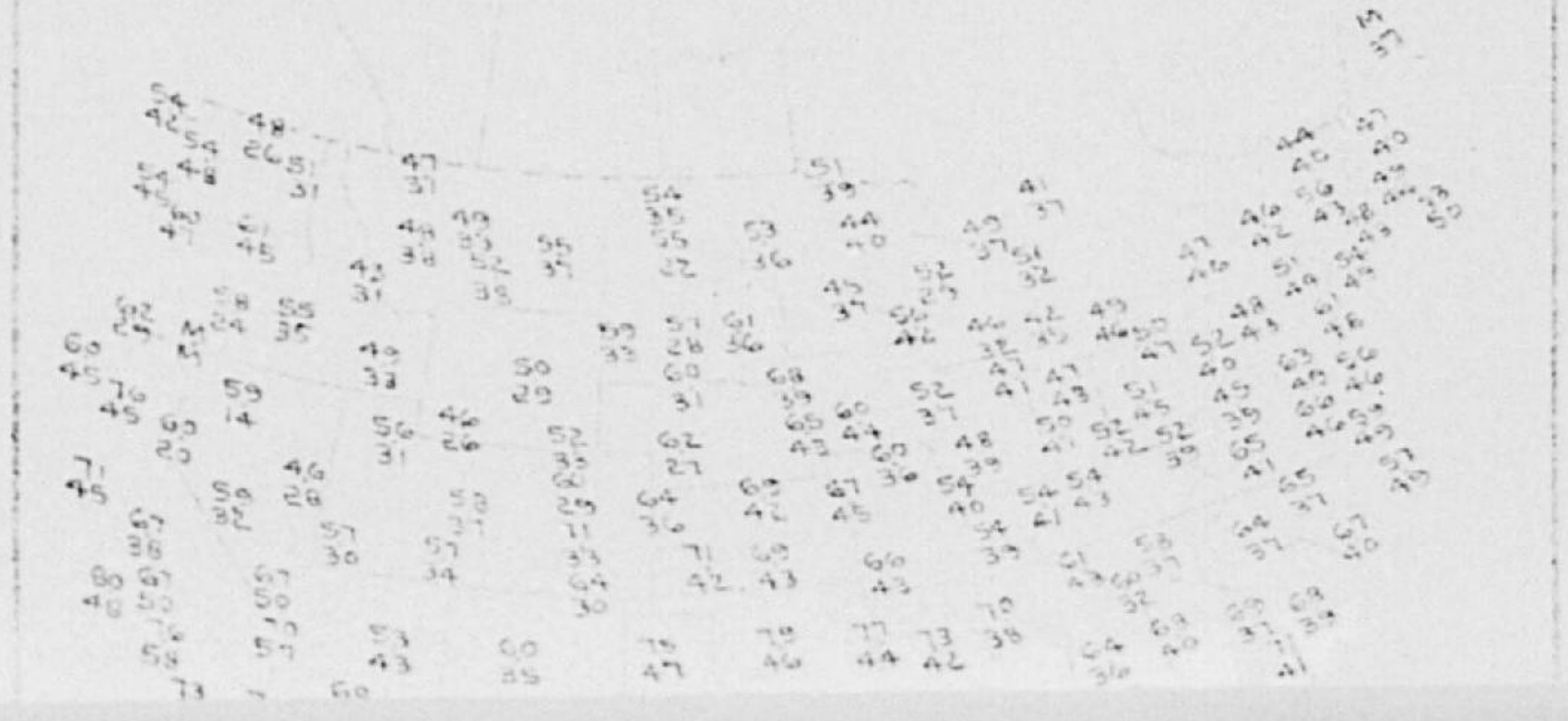
HIGHEST AND LOWEST TEMPERATURES

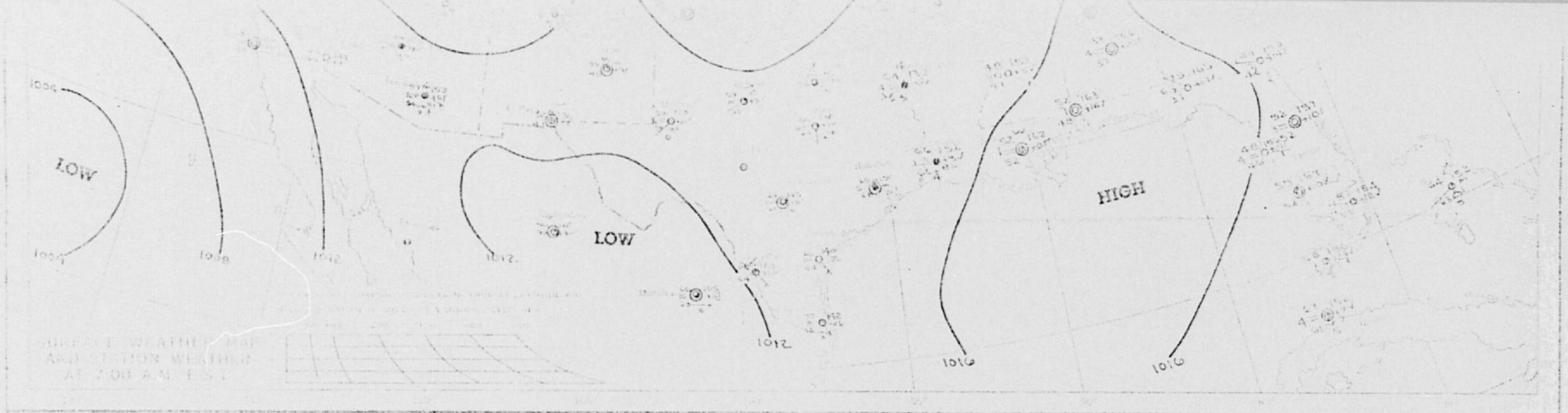


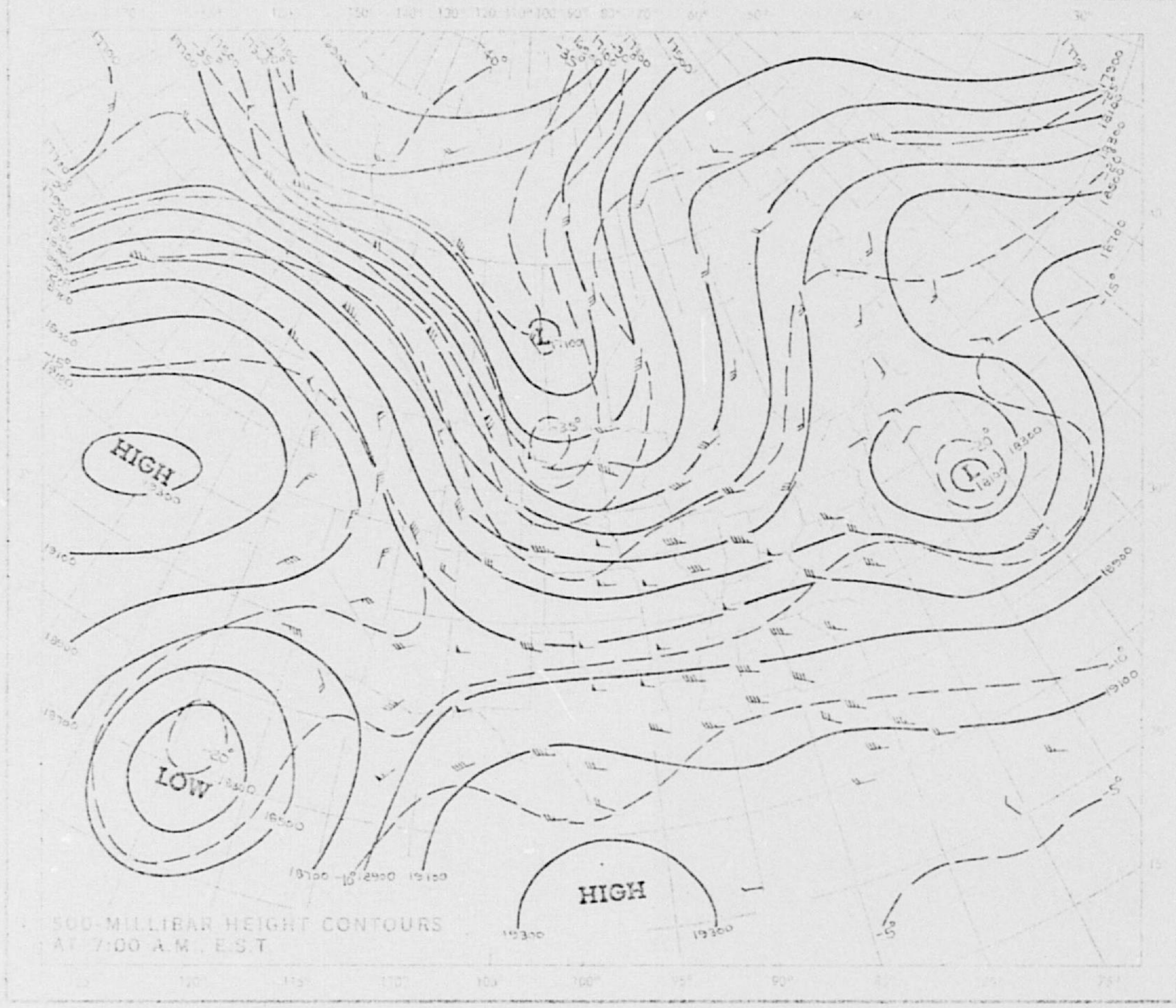
PRECIPITATION AREAS AND AMOUNTS

TUESDAY, NOVEMBER 11, 1969

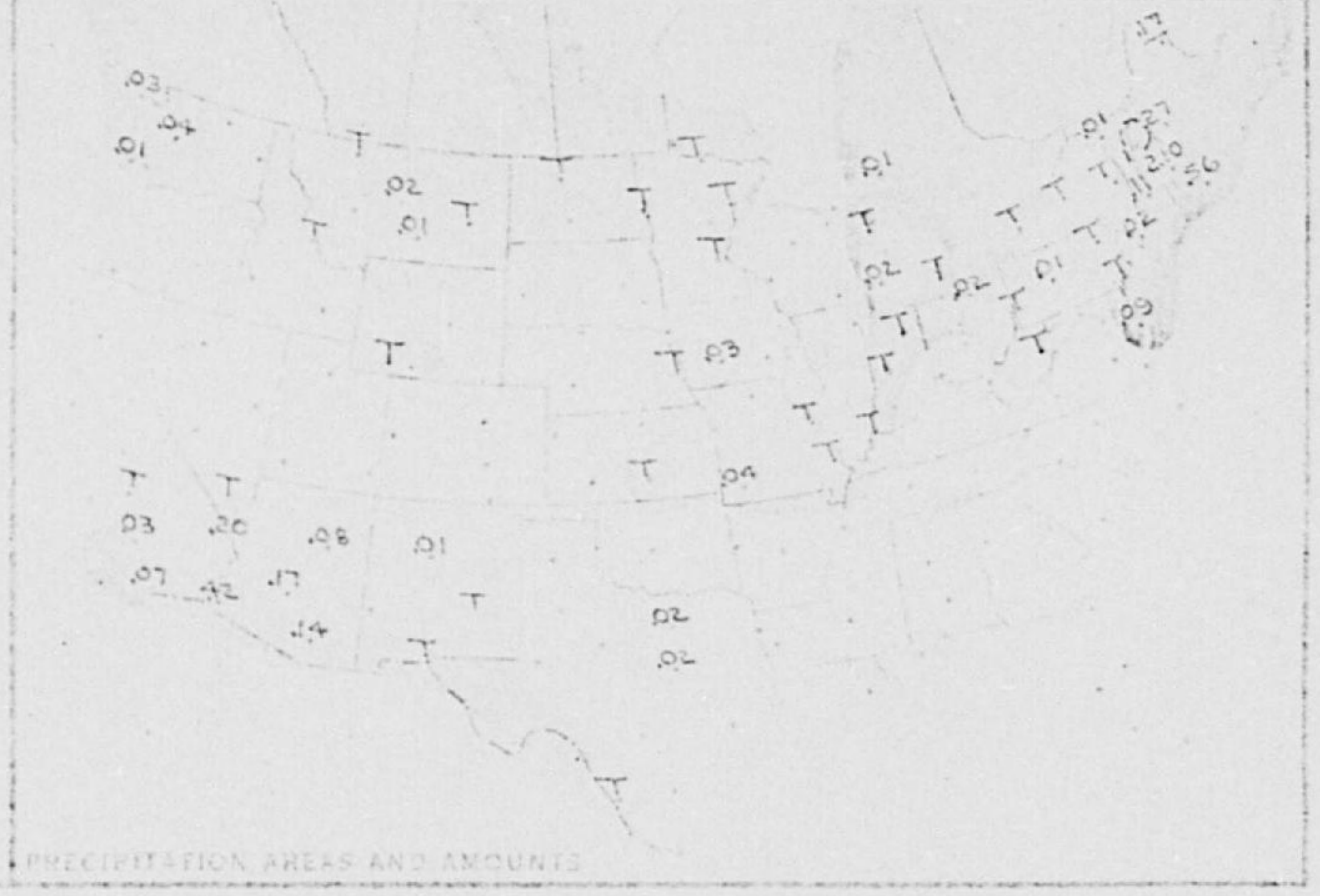

SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.
LOW
LOW
LOW
HIGH
H
1016
L
992
996
1000
1004
1008
1012
1016
1020
1024
32°

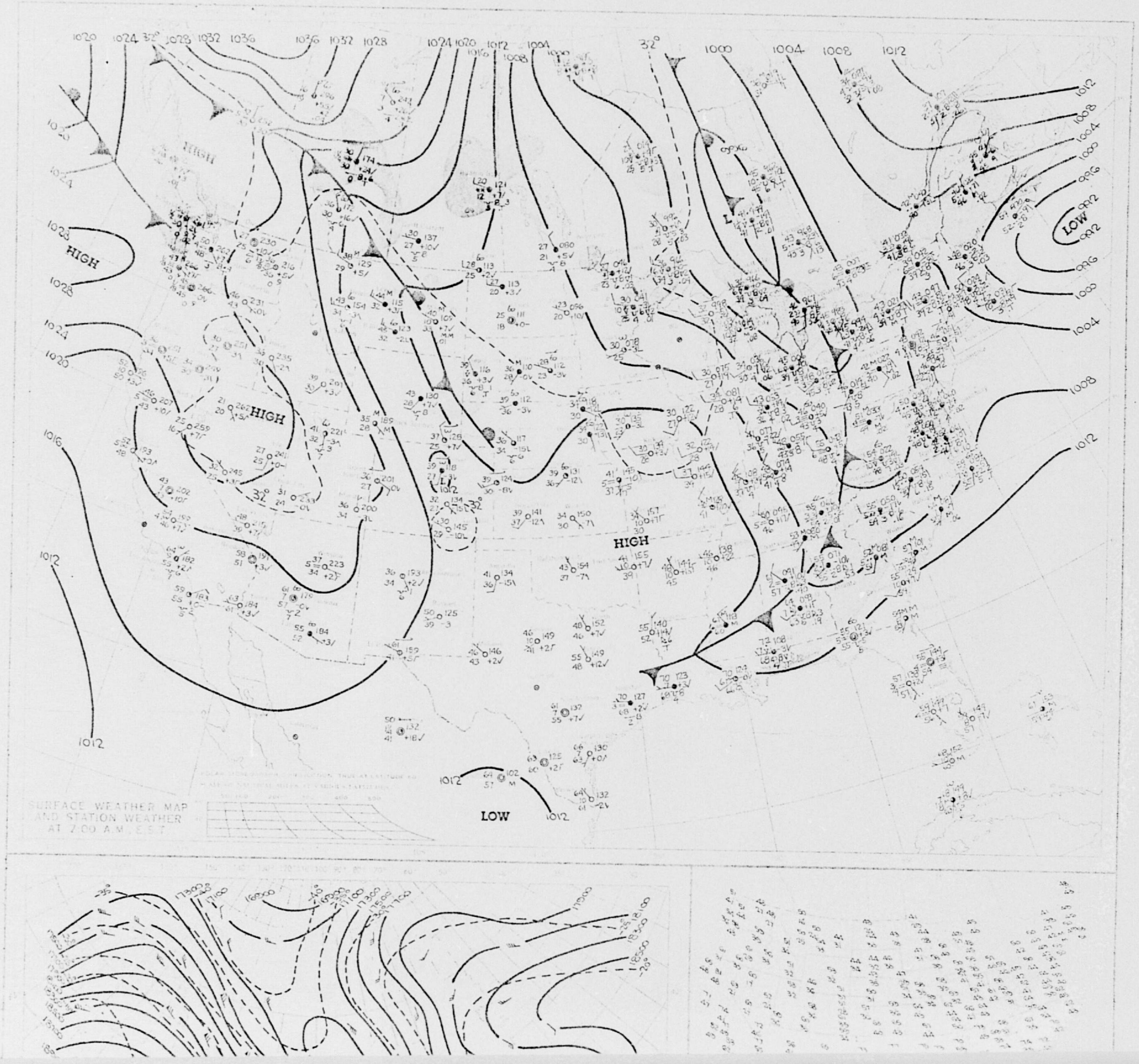


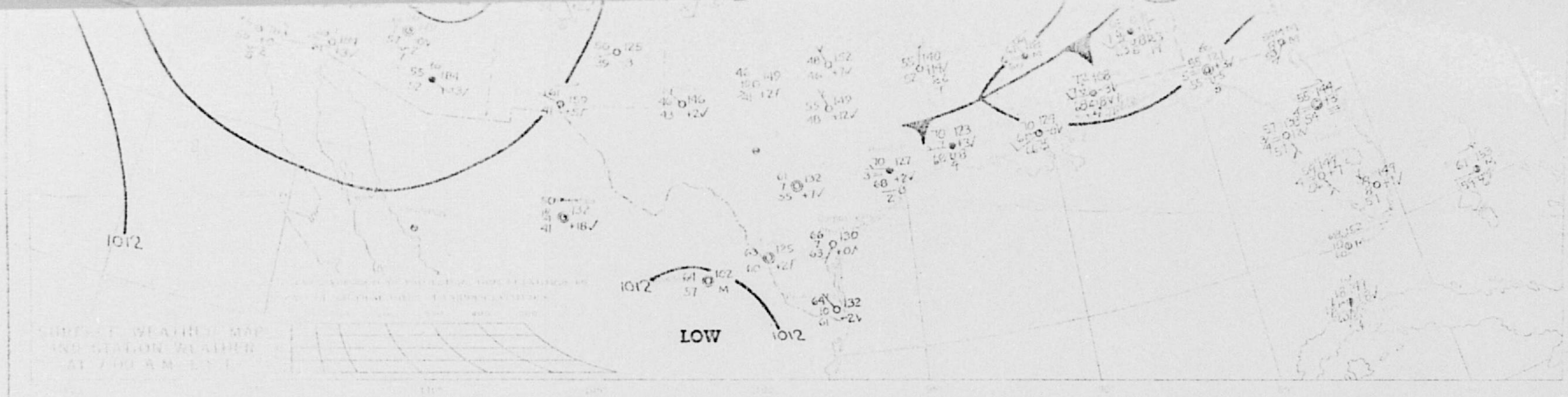

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
LOW
LOW
HIGH
1004
1008
1012
1012
1012
1016
1016

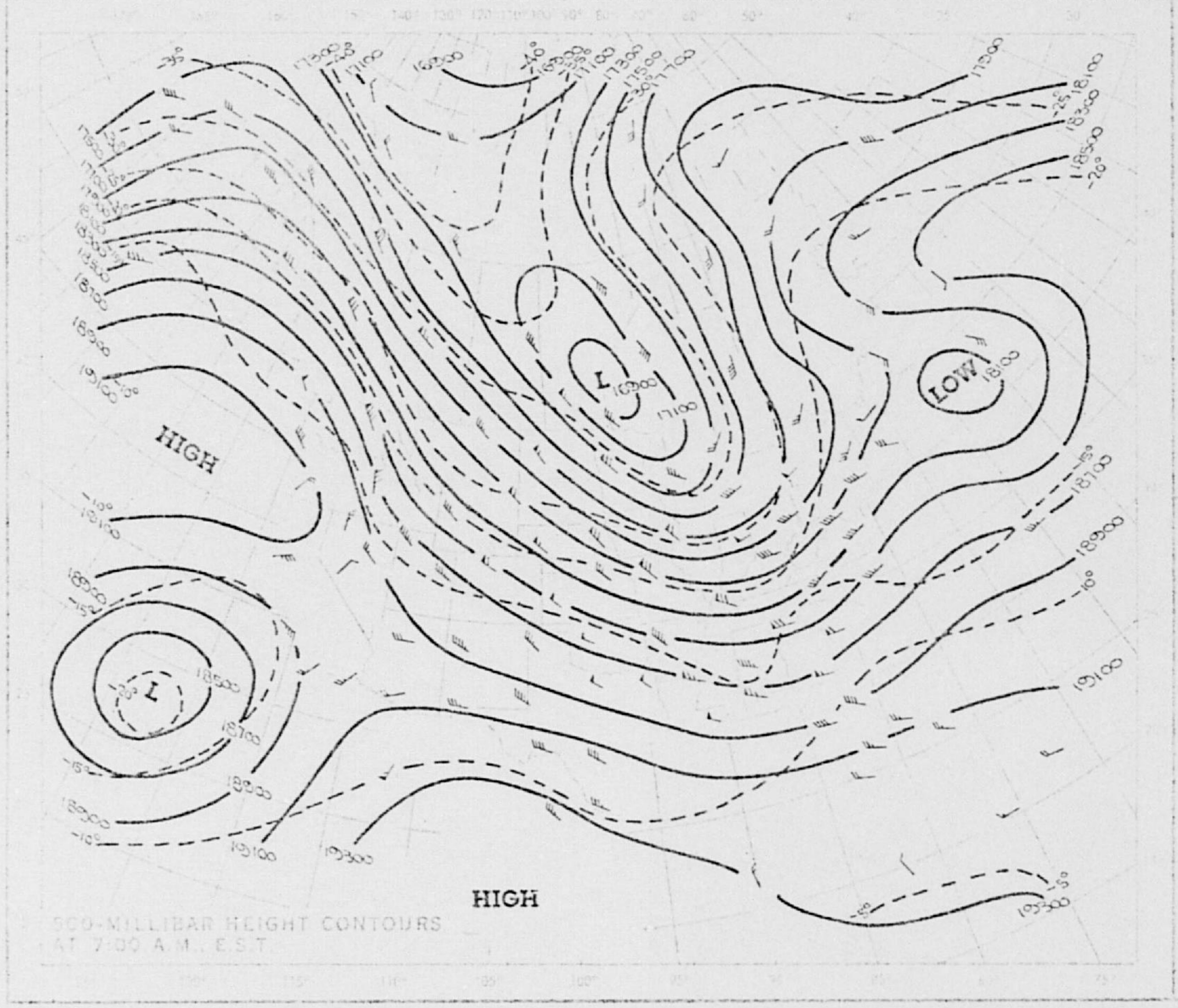

500-MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M., E.S.T.
HIGH
HIGH
LOW
L
L
19300
19300
18500
18100

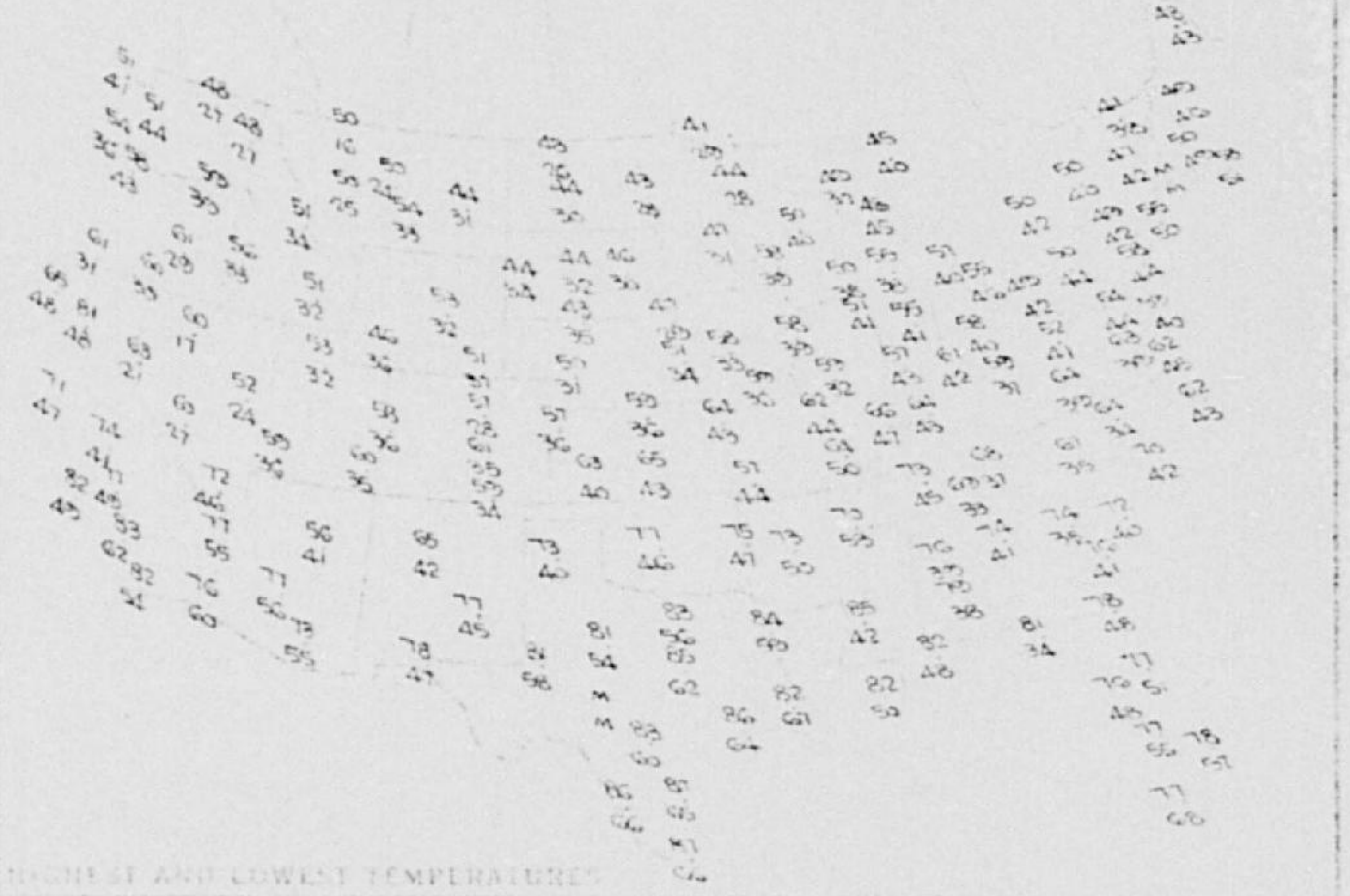
HIGHEST AND LOWEST TEMPERATURES


PRECIPITATION AREAS AND AMOUNTS

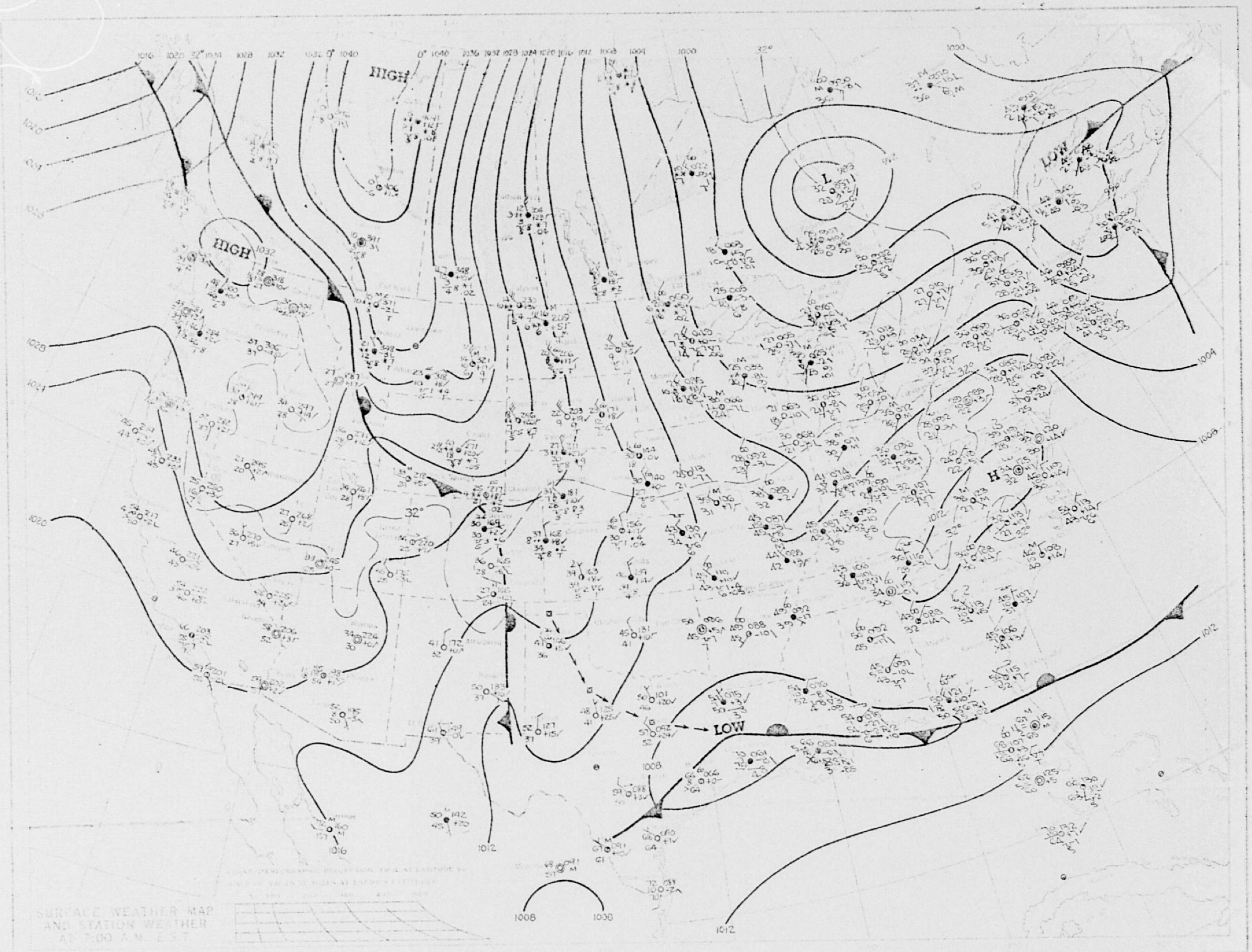

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M., E.S.T.
HIGH
HIGH
HIGH
LOW
LOW
L
1020
1024
32°
1028
1032
1036
1012
1008
1004
1000
996
992
1016
17300
16900
18100
18500

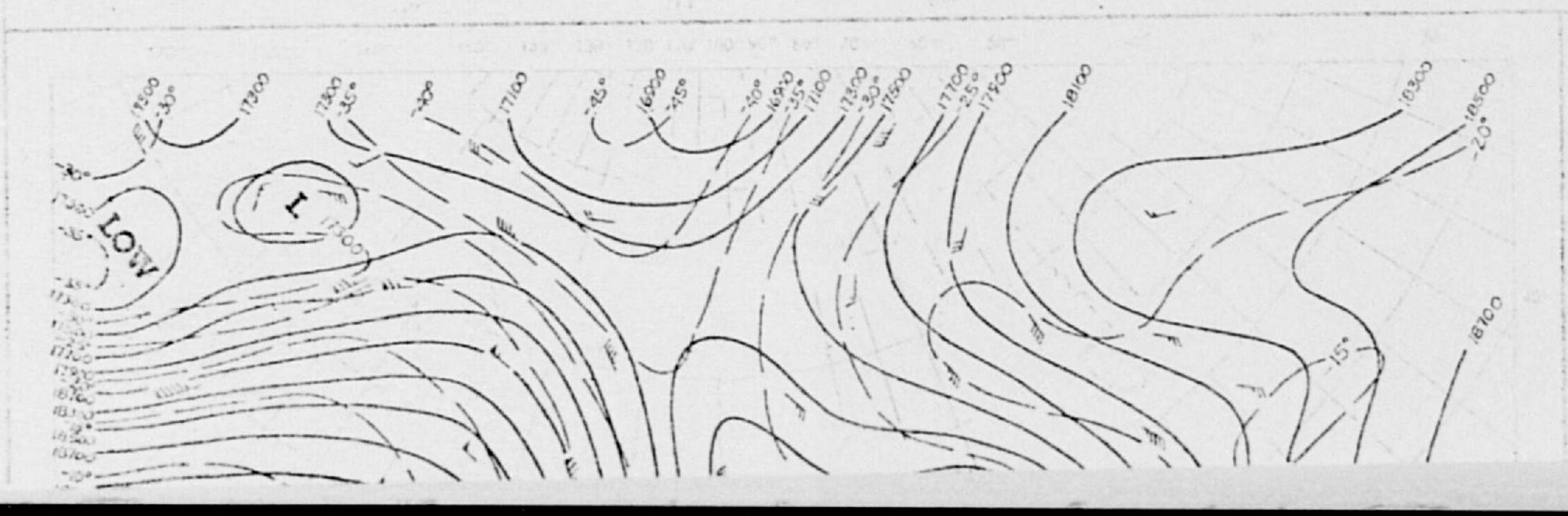

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M., E.S.T.
LOW
1012
1012
1012

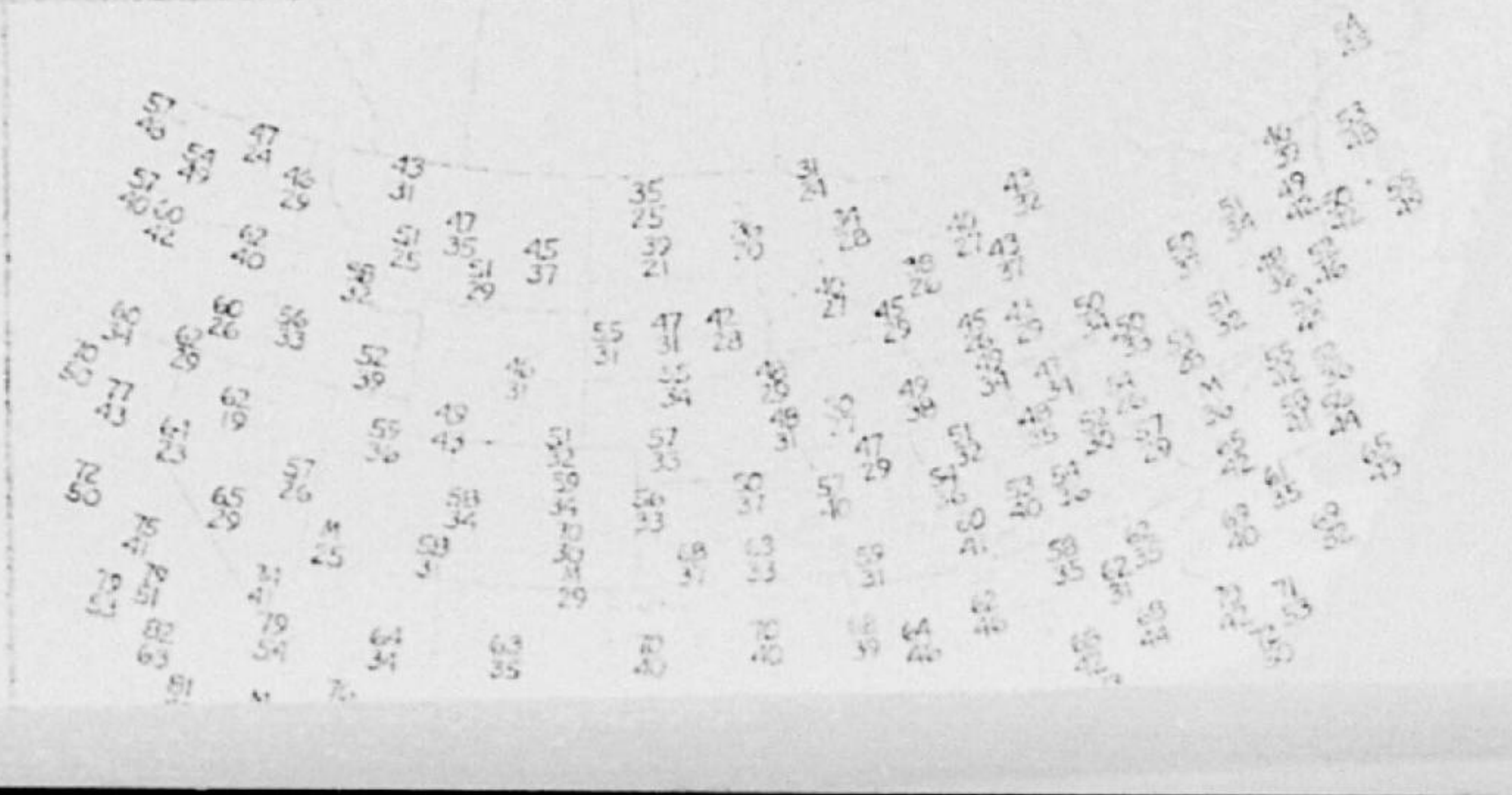

500-MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M., E.S.T.
HIGH
HIGH
LOW
L
L
19100
19300
18900
18700
18500
18100
17100
17300
17500
17700
16900
-10°
-15°
-20°
-25°
-35°
-40°

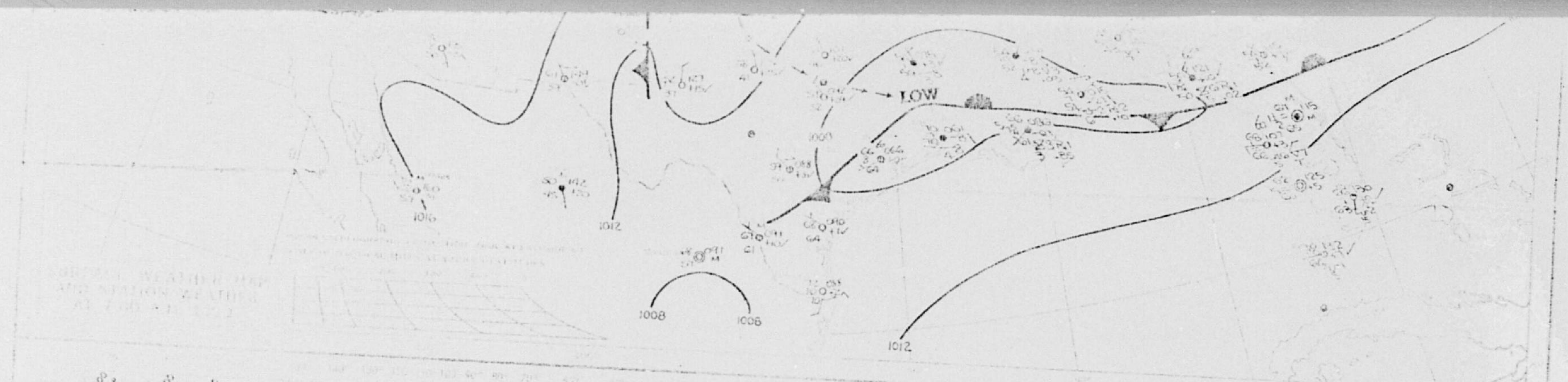

HIGHEST AND LOWEST TEMPERATURES

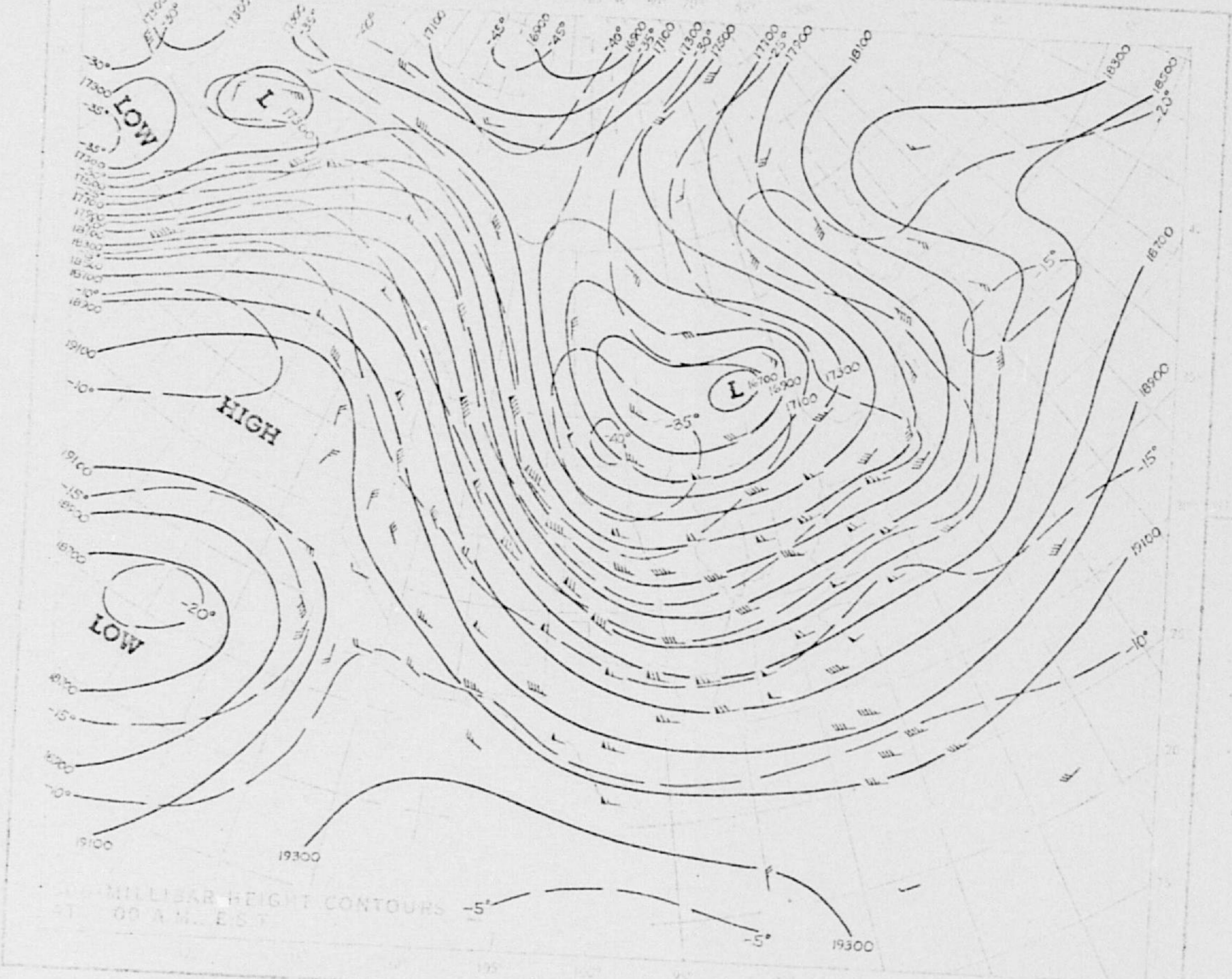
PRECIPITATION AREAS AND AMOUNTS

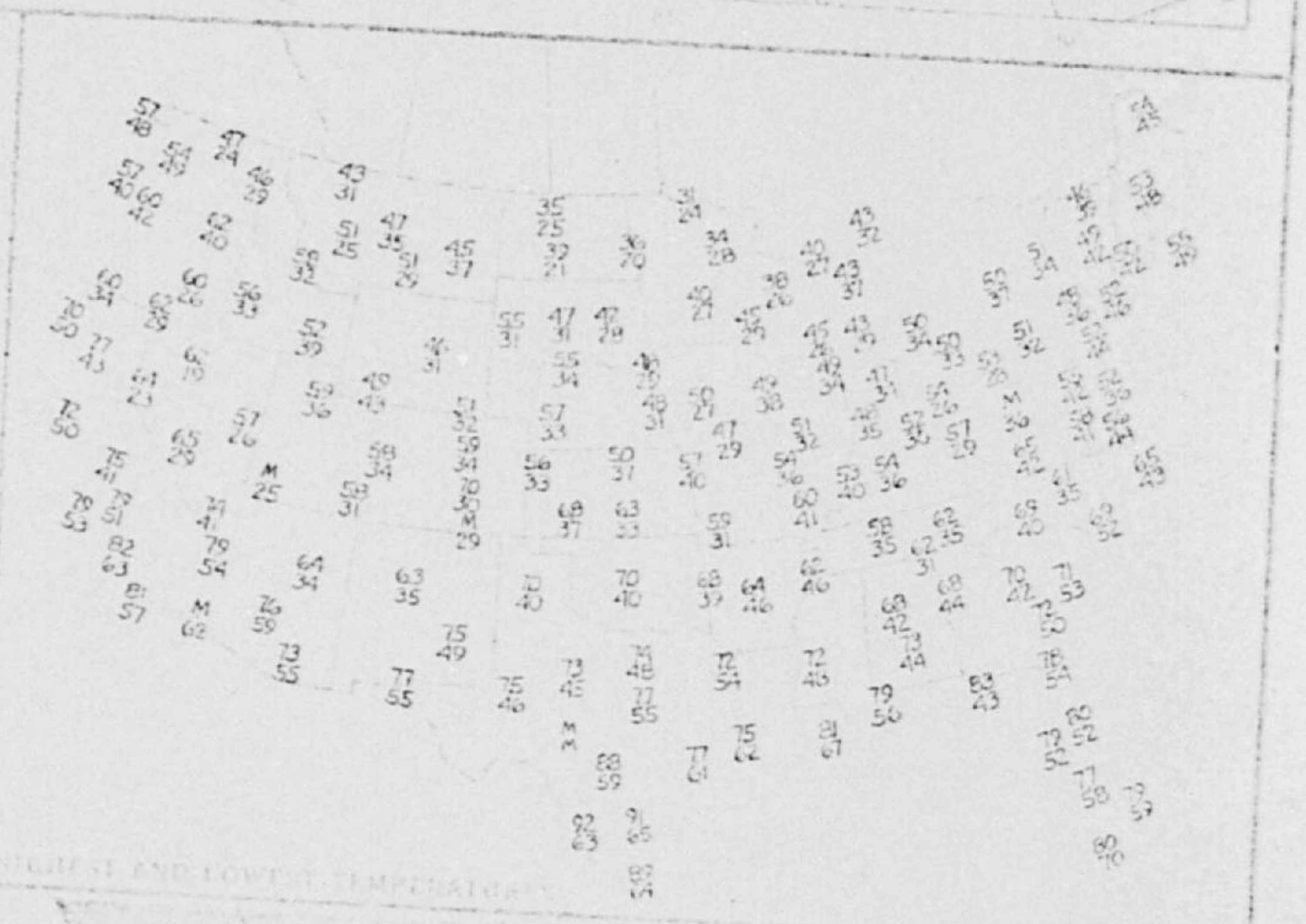

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
HIGH
HIGH
LOW
LOW
L
H
32°
1000
1004
1008
1012
1016
1020
1024
1028
1032
1036
1040


LOW
L
17300
17600
18100
18300
18500
18700




WEATHER MAP
AND STATION WEATHER
LOW
1008
1012
1016


MILLIBAR HEIGHT CONTOURS
00 A.M., E.S.T.
LOW
HIGH
L
19300
19100
18500
18300
18100
17700
17300
-5°
-10°
-15°
-20°
-35°


HIGHEST AND LOWEST TEMPERATURES

PRECIPITATION AREAS AND AMOUNTS

1 - 31 DECEMBER 1969

DATE	LOCATION	OBSERVER	EVALUATION
Dec	Hartsdale, New York	Civilian	Insufficient Data
Dec	Round Lake, Illinois	Civilian	Insufficient Data

SALT LAKE CITY, UT CASE FORWARDED TO AFSHRC AFTE CLOSE OF PROJECT BLUE BOOK