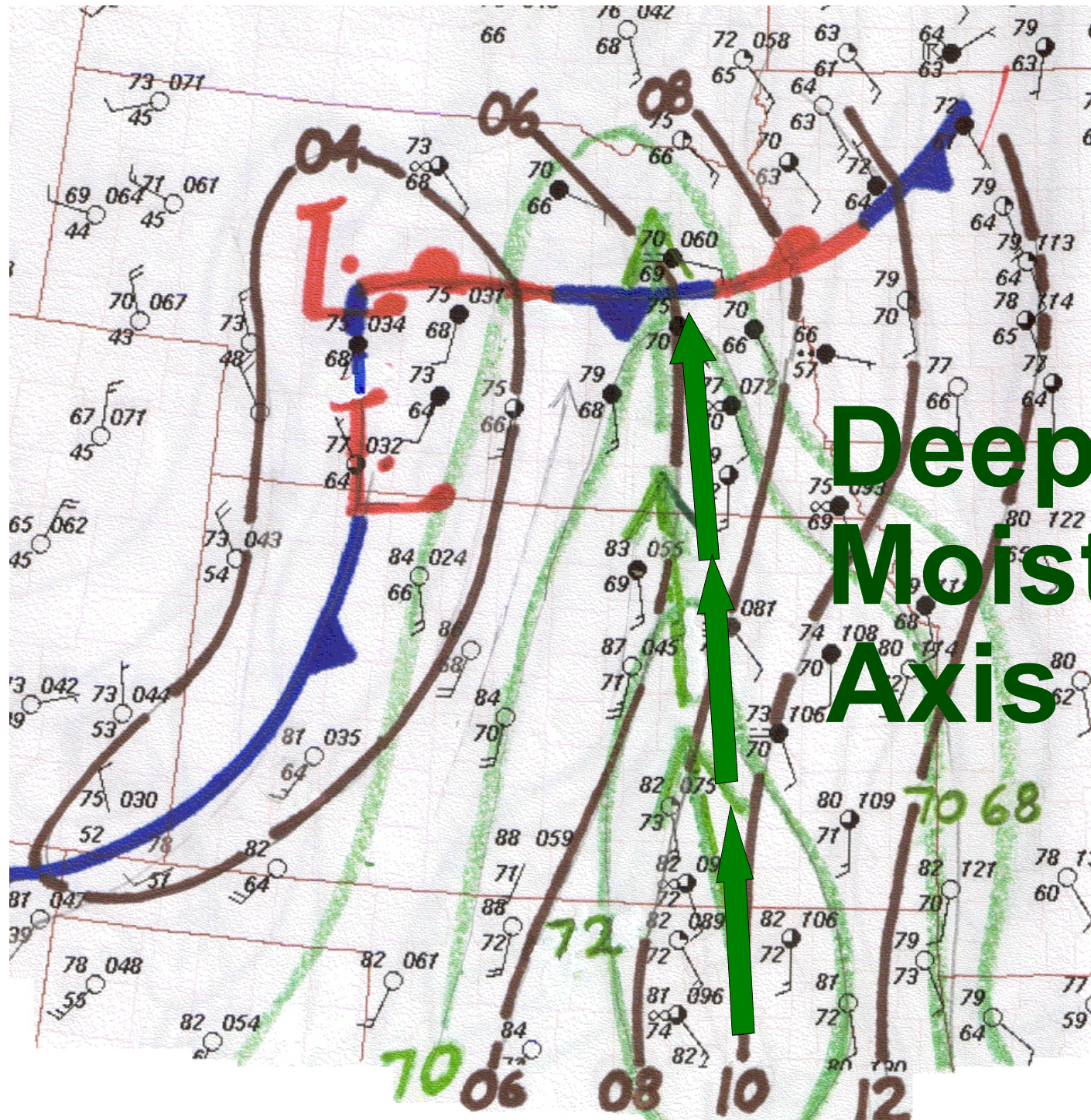


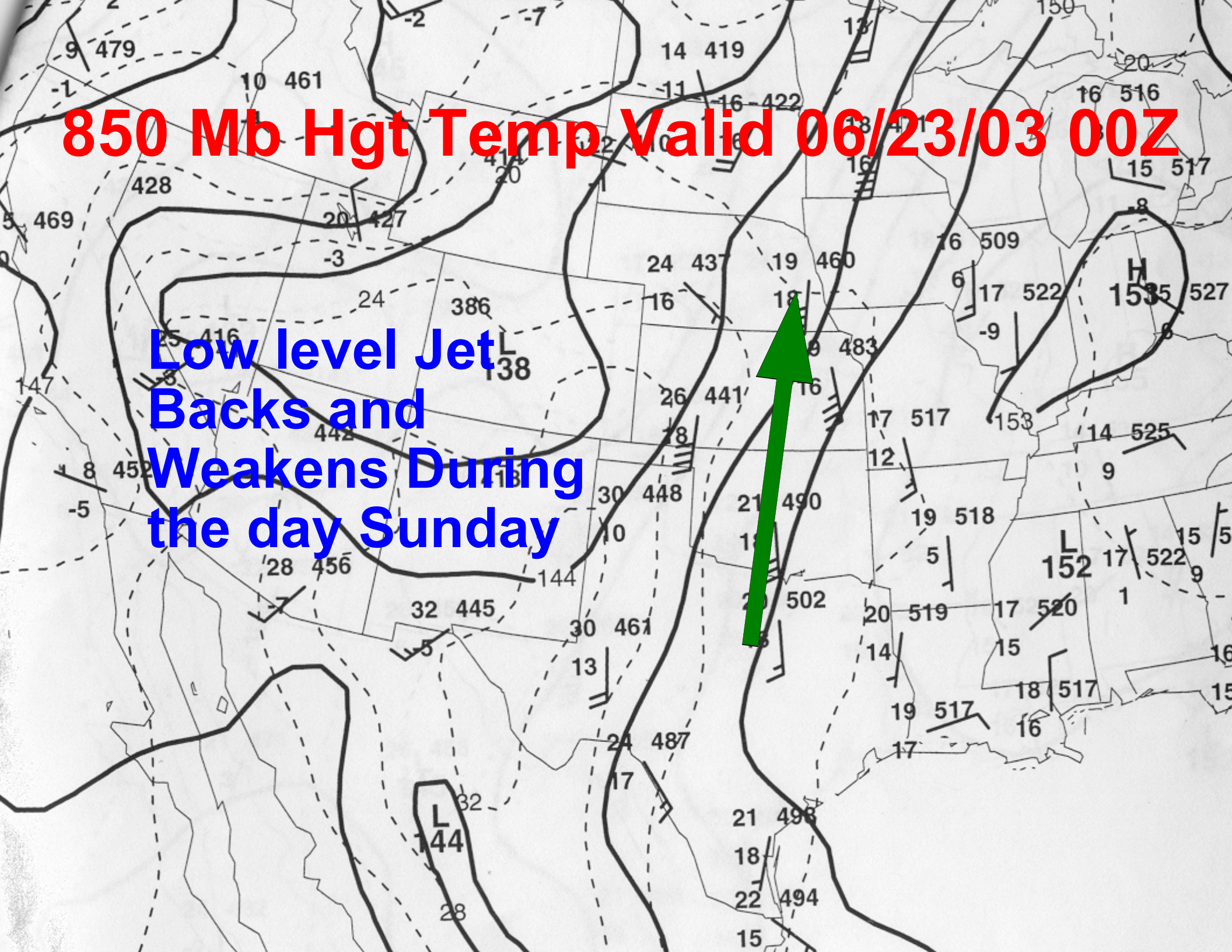
15Z



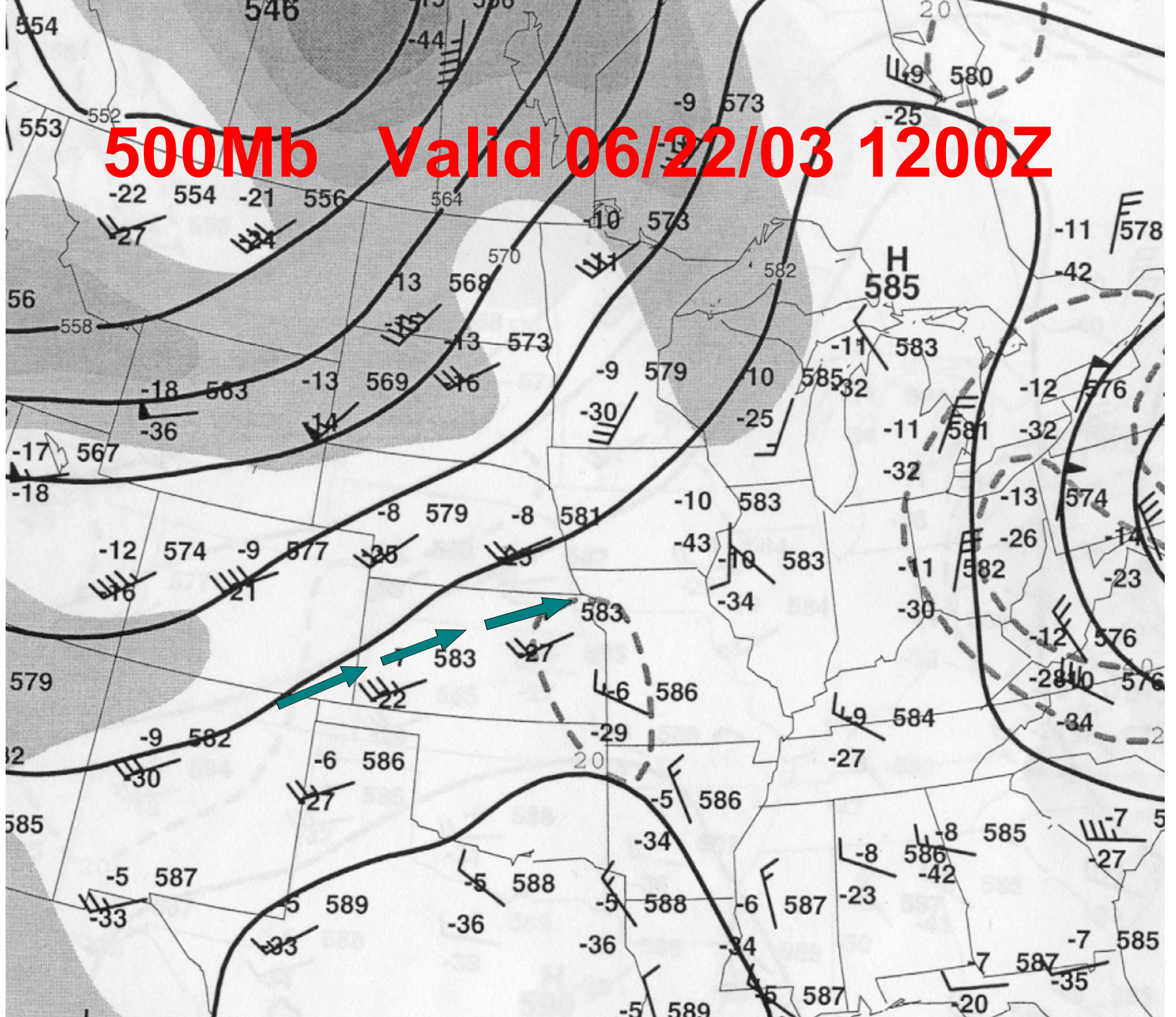
Deep
Moist
Axis

850 Mb Hgt Temp Valid 06/23/03 00Z

Low level Jet
Backs and
Weakens During
the day Sunday

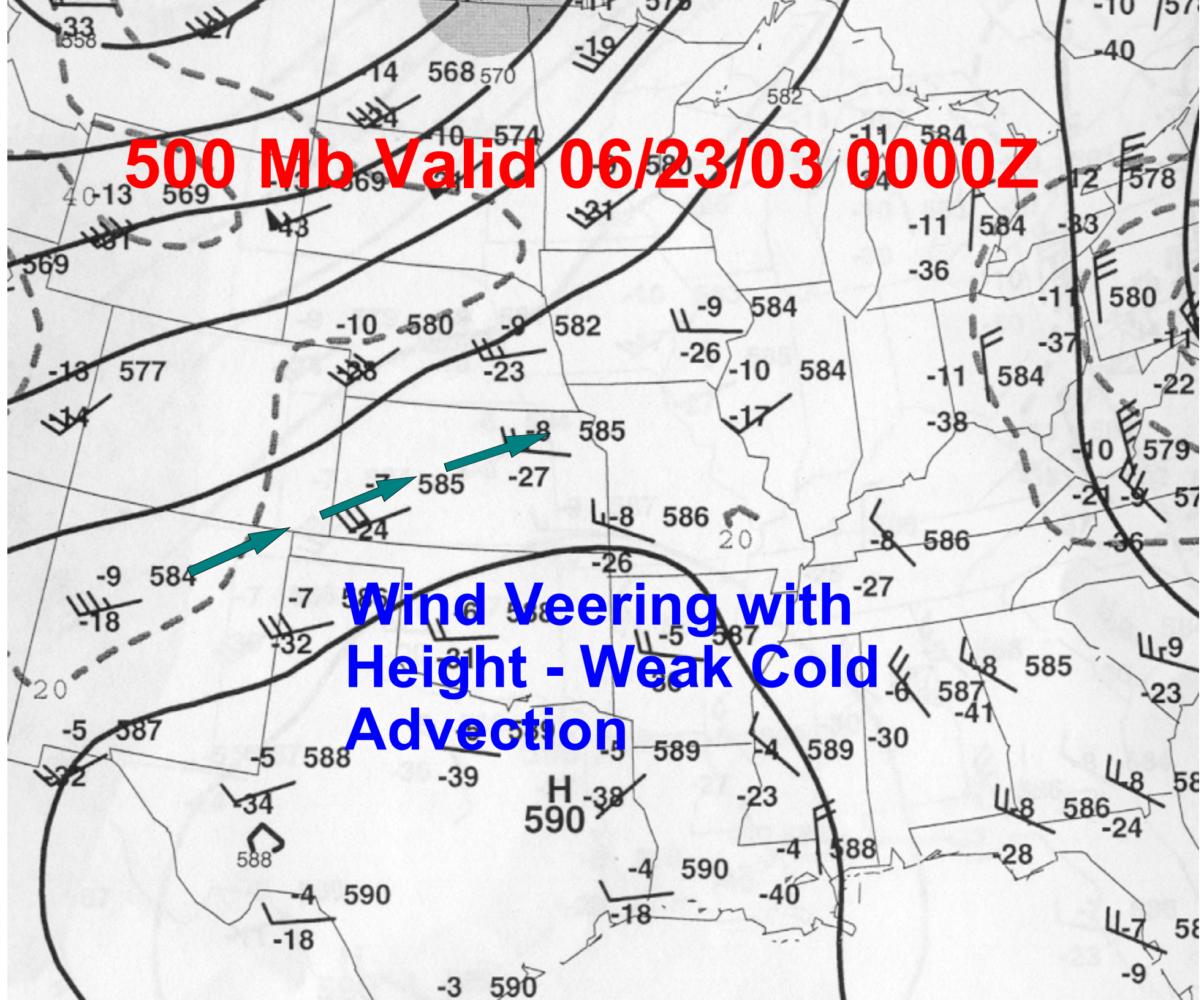


500Mb Valid 06/22/03 1200Z

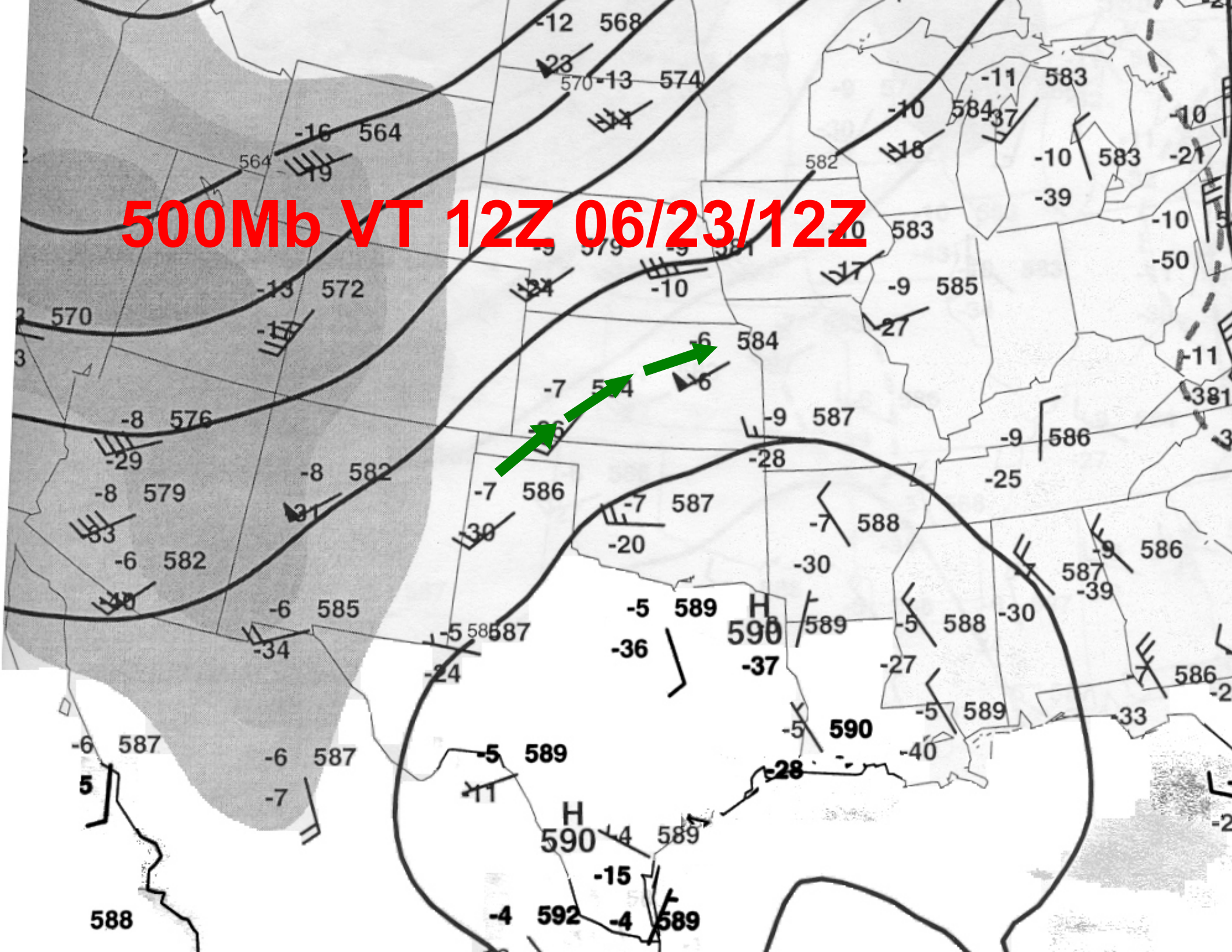


500 Mb Valid 06/23/03 0000Z

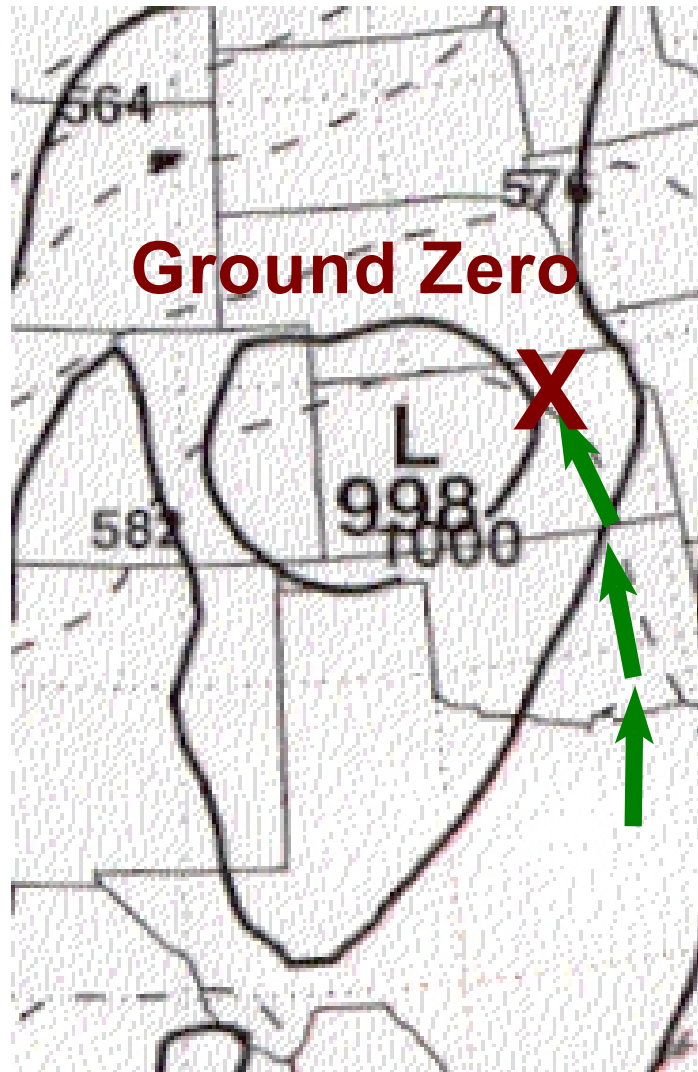
**Wind Veering with
Height - Weak Cold
Advection**



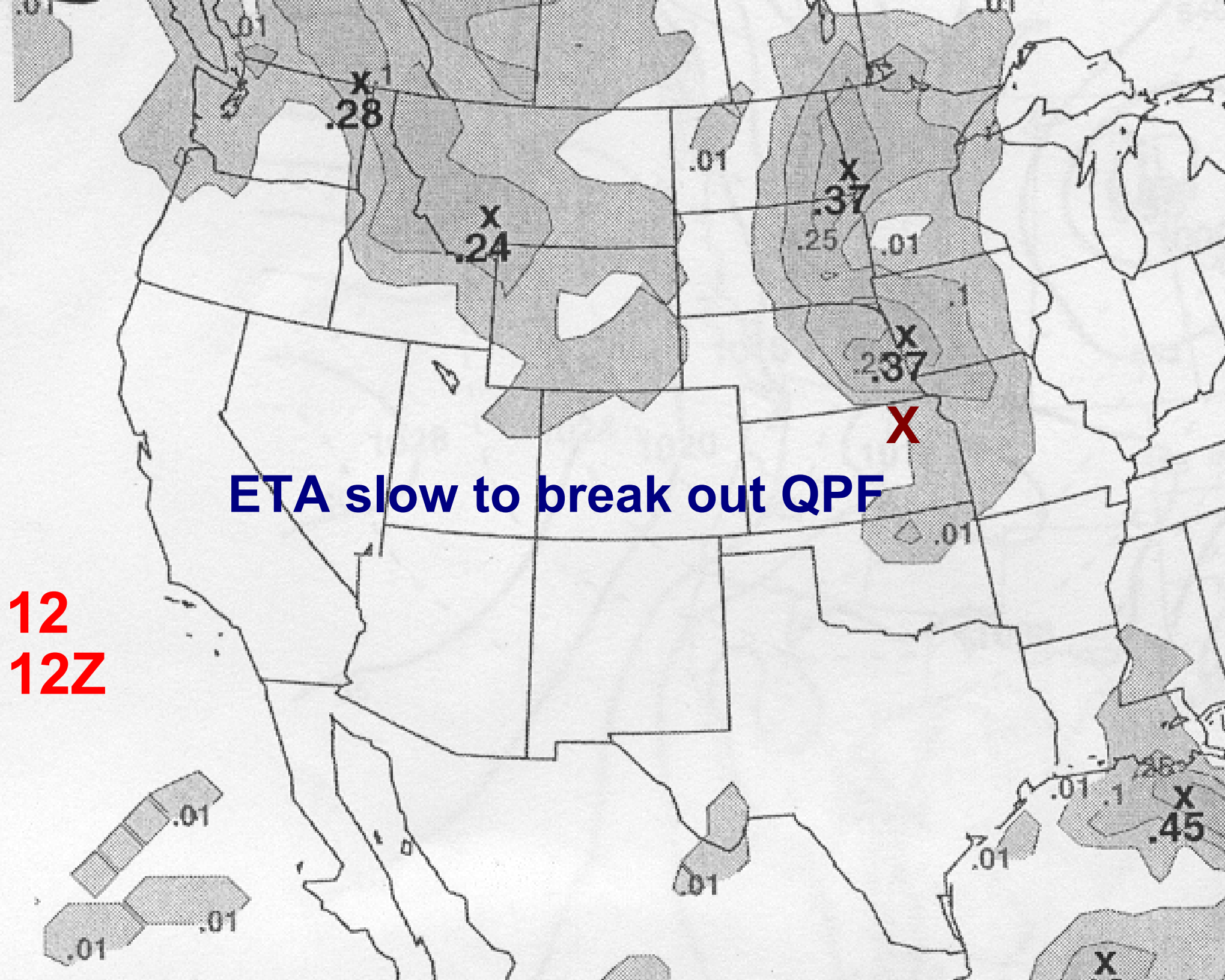
500Mb VT 12Z 06/23/12Z



12hr hr ETA VT 00Z/23 from 12Z/22

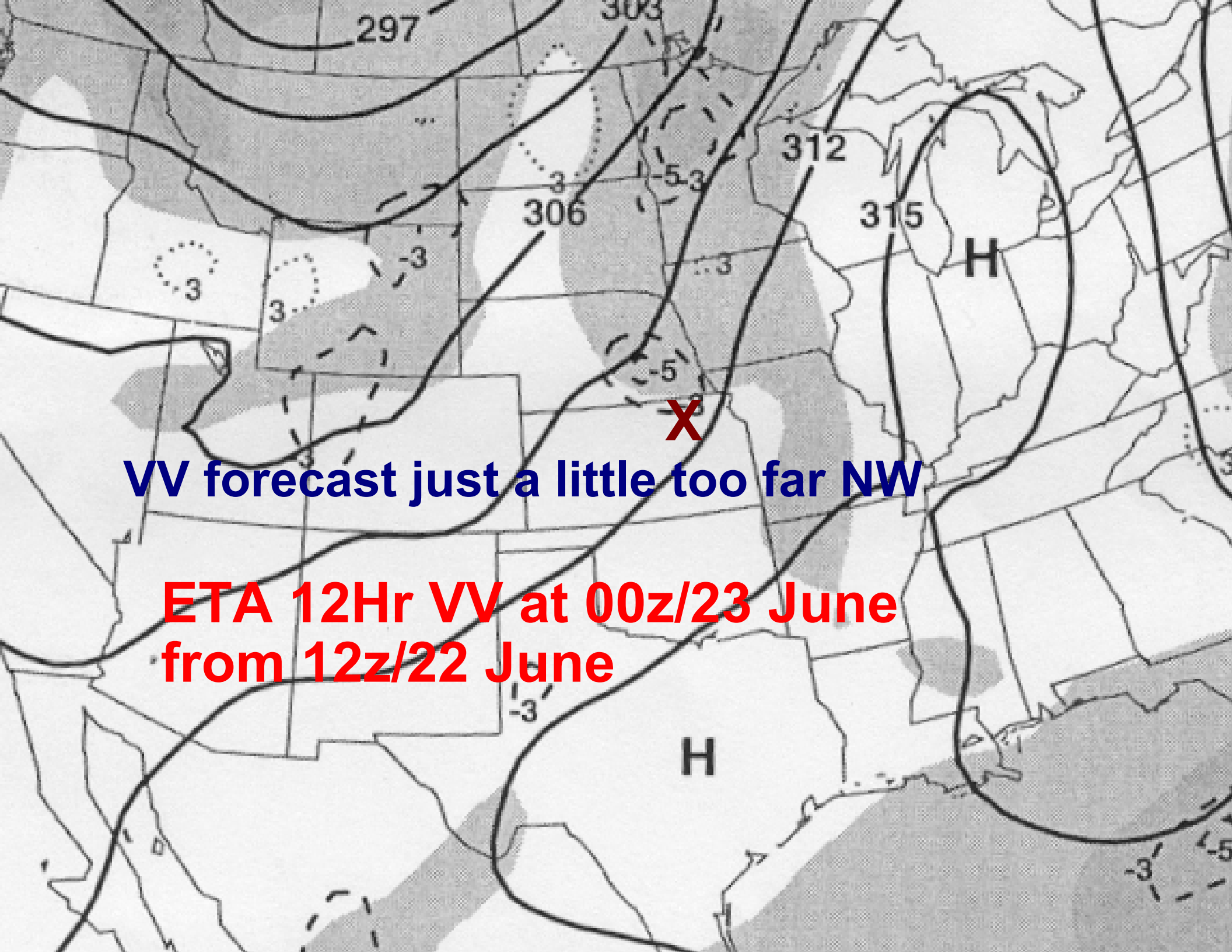


**Best
Moisture
Inflow
Forecast**



ETA slow to break out QPF

12
12Z



297

303

312

315

306

H

X

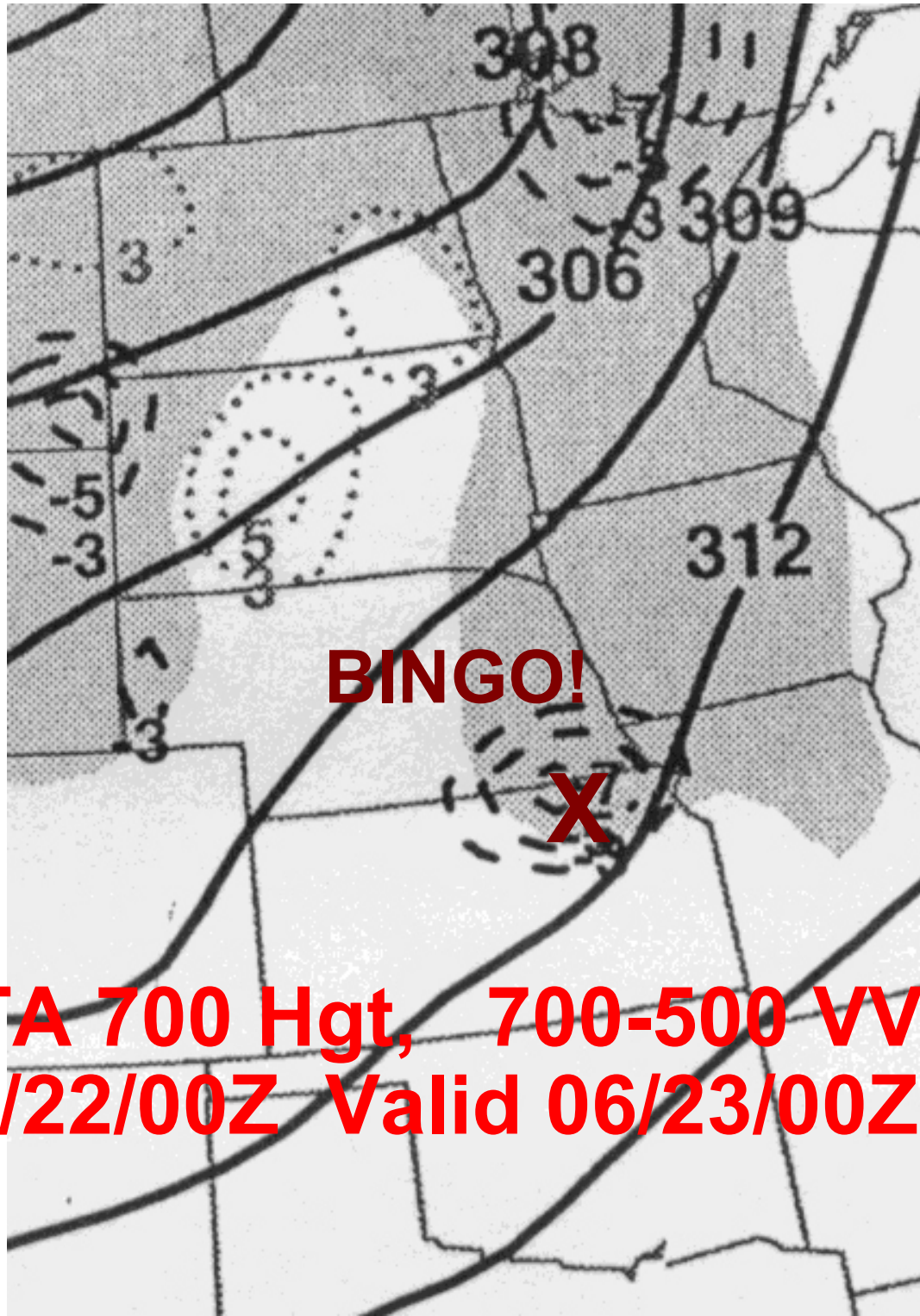
VV forecast just a little too far NW

**ETA 12Hr VV at 00z/23 June
from 12z/22 June**

H

3

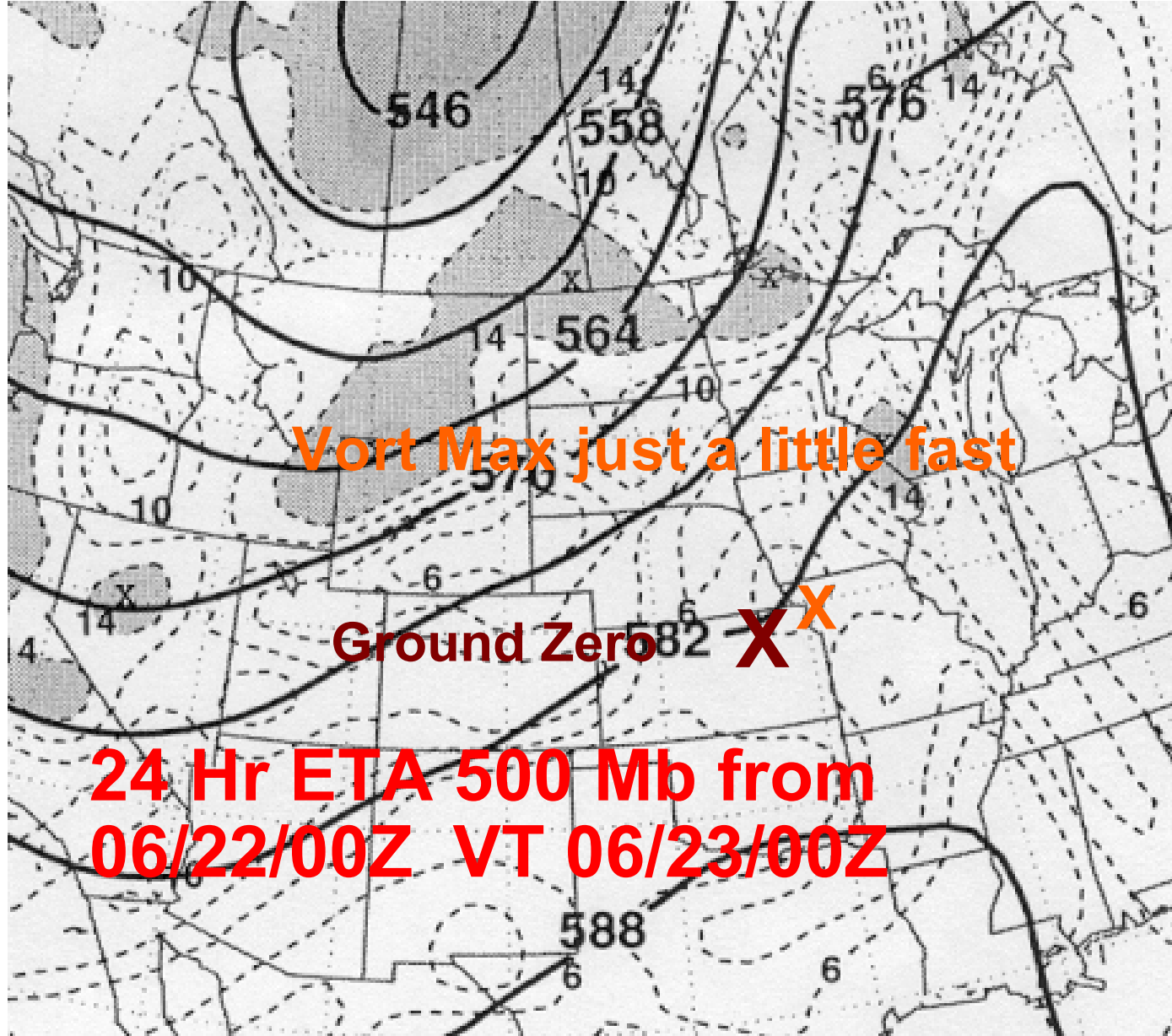
5



BINGO!

X

**24 Hr ETA 700 Hgt, 700-500 VV
From 06/22/00Z Valid 06/23/00Z**

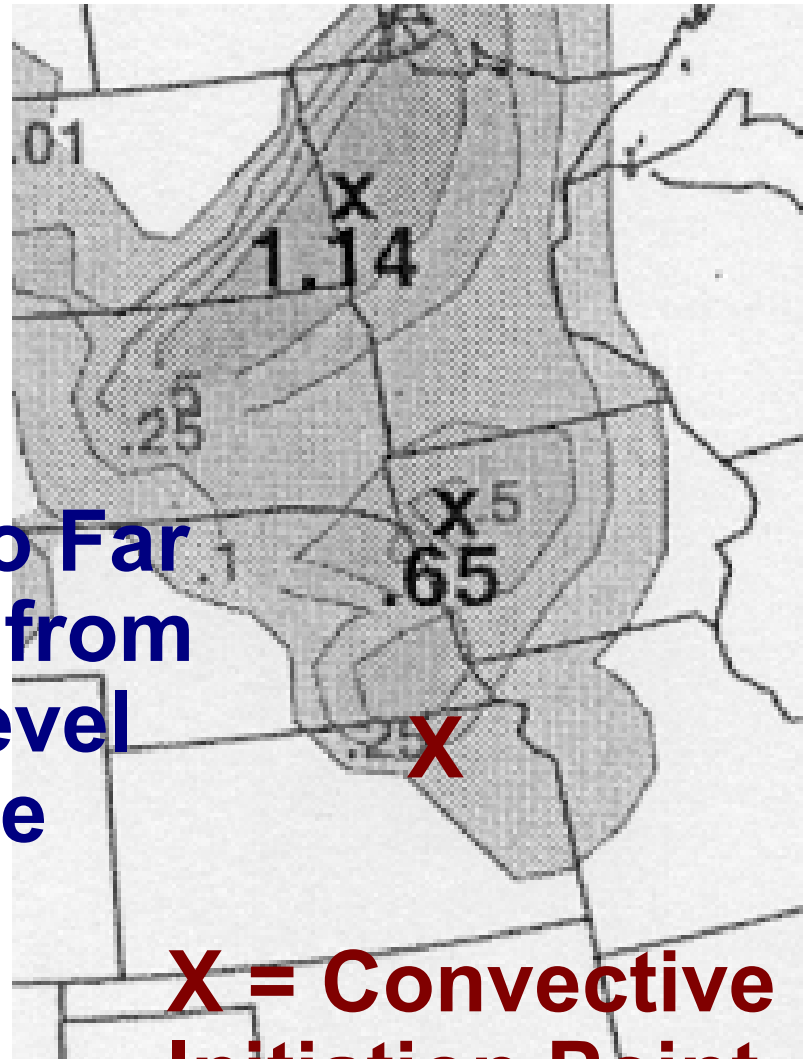


Vort Max just a little fast

Ground Zero X X

24 Hr ETA 500 Mb from
06/22/00Z VT 06/23/00Z

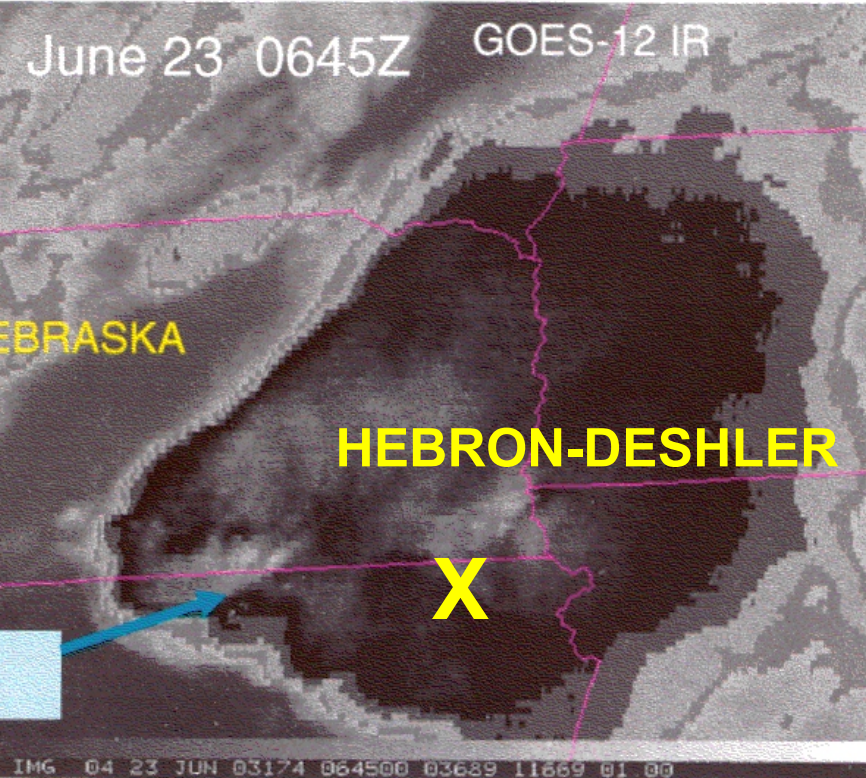
24 Hr ETA 12hr Pcpn from 06/22/00Z Valid 06/23/00Z



**ETA QPF too Far
N-Removed from
Best Low-Level
Convergence**

**X = Convective
Initiation Point**

23/0645Z Satellite Pix and 0445Z Pcpn Estimates



SATELLITE PRECIPITATION ESTIMATES..DATE/TIME 06/23/03 0515Z 06/23/03 0515Z
 SATELLITE ANALYSIS BRANCH/NESDIS---NPPU---TEL.301-763-8678
 VALUES ARE MAX OR SQFNT EST. OROGRAPHIC CORRECTION IN AUTO-ESTS...
 EST'S FM:GOES12-CNTRL AND E. U.S./GOES10-W. U.S...
 LATEST DATA USED: GOES-12 0445Z JS

SPENES Message

LOCATION...SOUTHEASTERN NEBRASKA/NORTHERN KANSAS

EVENT...EXTREME RAIN EVENT WITH MANUALLY DERIVED SATELLITE ESTIMATES OVER 11" SINCE 2215Z FOR THAYER COUNTY OF NEB AND NEAR 11" FOR REPUBLIC COUNTY OF KS.

SATELLITE ANALYSIS AND TRENDS...MCS CONSOLIDATING A BIT AND TAKING ON A LINEAR FORM AS MERGERS ARE NEARLY COMPLETE NOW ALONG KS/NEB BORDER. COUNTIES ALONG LINE FROM JEWELL(KS) TO OTOE/JOHNSON OF NEB ARE NOW RECEIVING THE HEAVIEST RAINS AND GREATEST THREAT OF FLOODING. OBVIOUS FLASH FLOOD THREAT WITH EXCESSIVE RAIN TOTALS STILL INCREASING COVERS JEWELL/REPUBLIC COUNTIES OF KS AND NUCKOLLS/THAYER COUNTIES OF NEB. OTHER AREA WITH RAPIDLY INCREASING FLOOD THREAT STRETCHES ACROSS JEFFERSON TO OTOE/JOHNSON COUNTIES OF NEB. ESTIMATES HERE SO FAR ARE APPROACHING 3" IN SOME SPOTS.

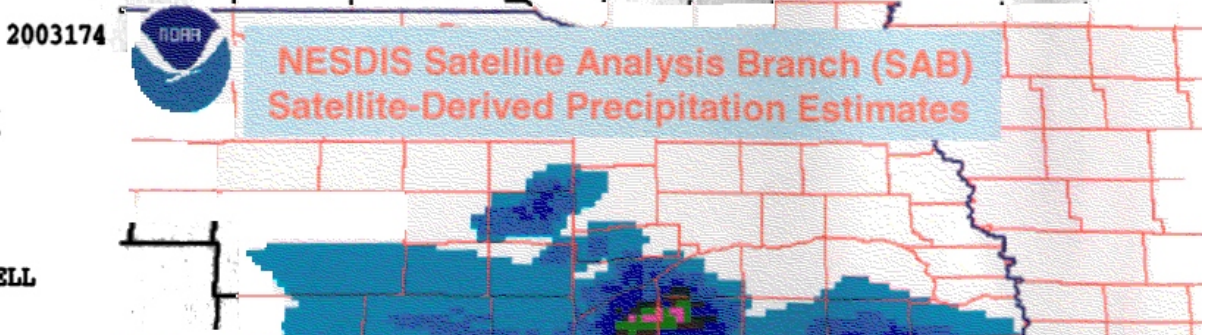
MANUAL IFFA SATELLITE ESTIMATES	TOTALS (2215-0445Z)
NEBRASKA COUNTIES...	
THAYER	UP TO 11.5"
E NUCKOLLS	6.0-8.8"
FAR S FILLMORE	2.5-4.4"
E CLAY	2.5-3.3"
SE SALINE/S LANCASTER/N GAGE/W OTOE	2.0-2.7"
KANSAS COUNTY...	
N REPUBLIC	UP TO 11.0"
E JEWELL	5.0-7.0"

11+'' Estimated along NE/KS border

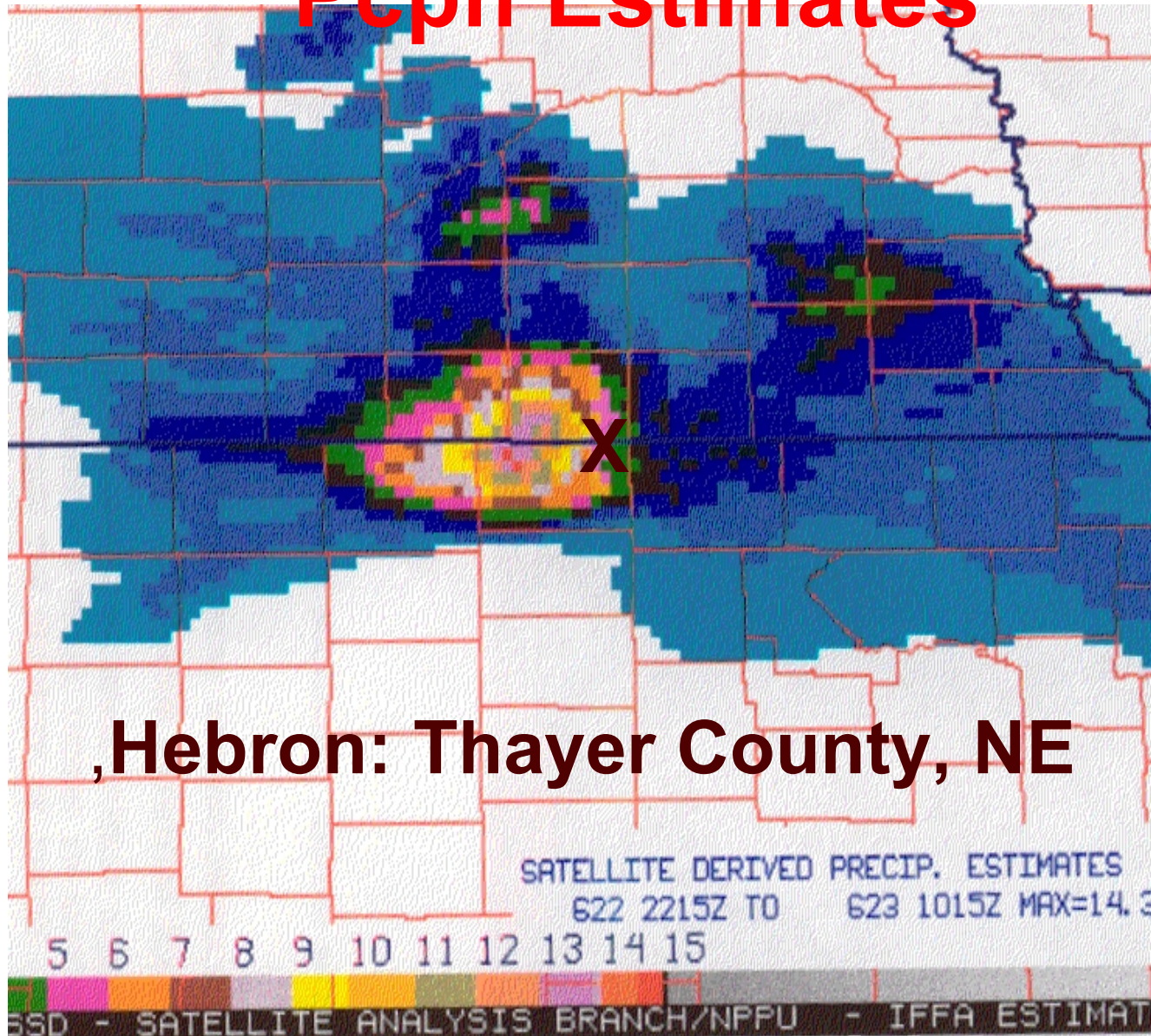
06/23/03 1043Z
 MSGID 231043Z
 MSGID
 Z086-087-232230-
 WARNING - EAS ACTIVATION REQUESTED
 WEATHER SERVICE HASTINGS NE
 DT MON JUN 23 2003

**Flood Warning
 NWS Hastings, NE**

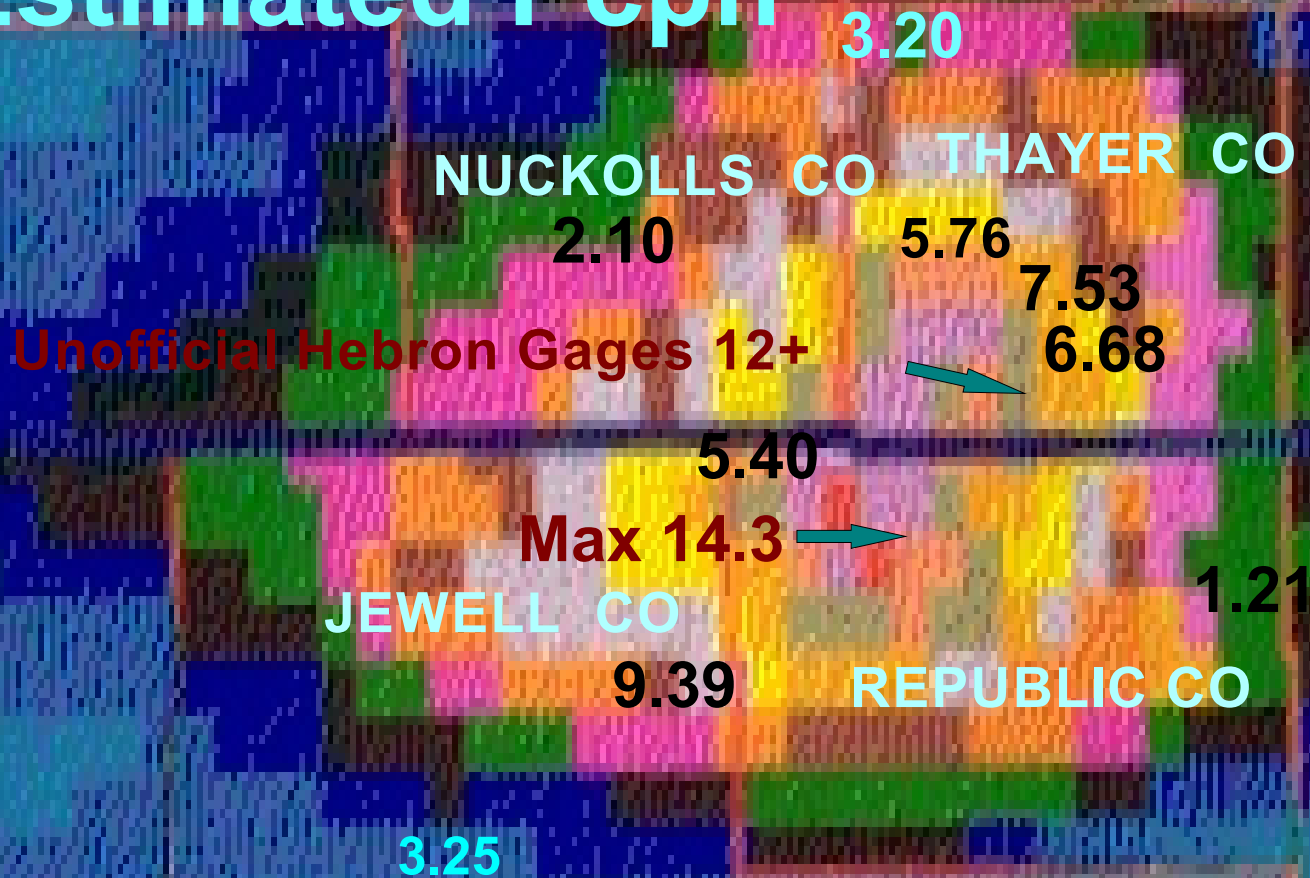
AD WARNING HAS BEEN ISSUED FOR NUCKOLLS. THAYER AND JEWELL
 UNTIL 530 PM...



12Hr Satellite Derived Pcpn Estimates

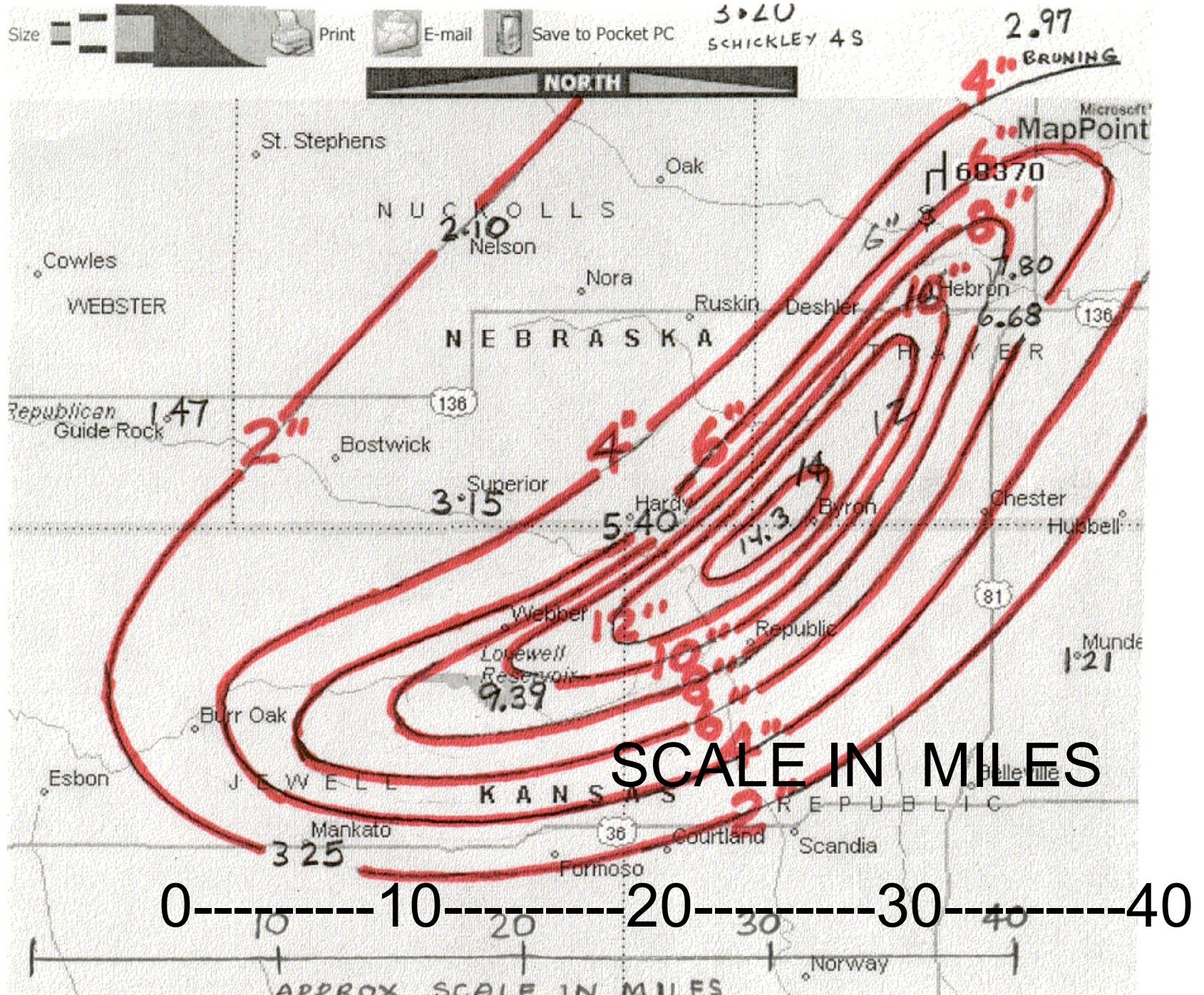


Enlarged View Satellite Estimated Pcpn

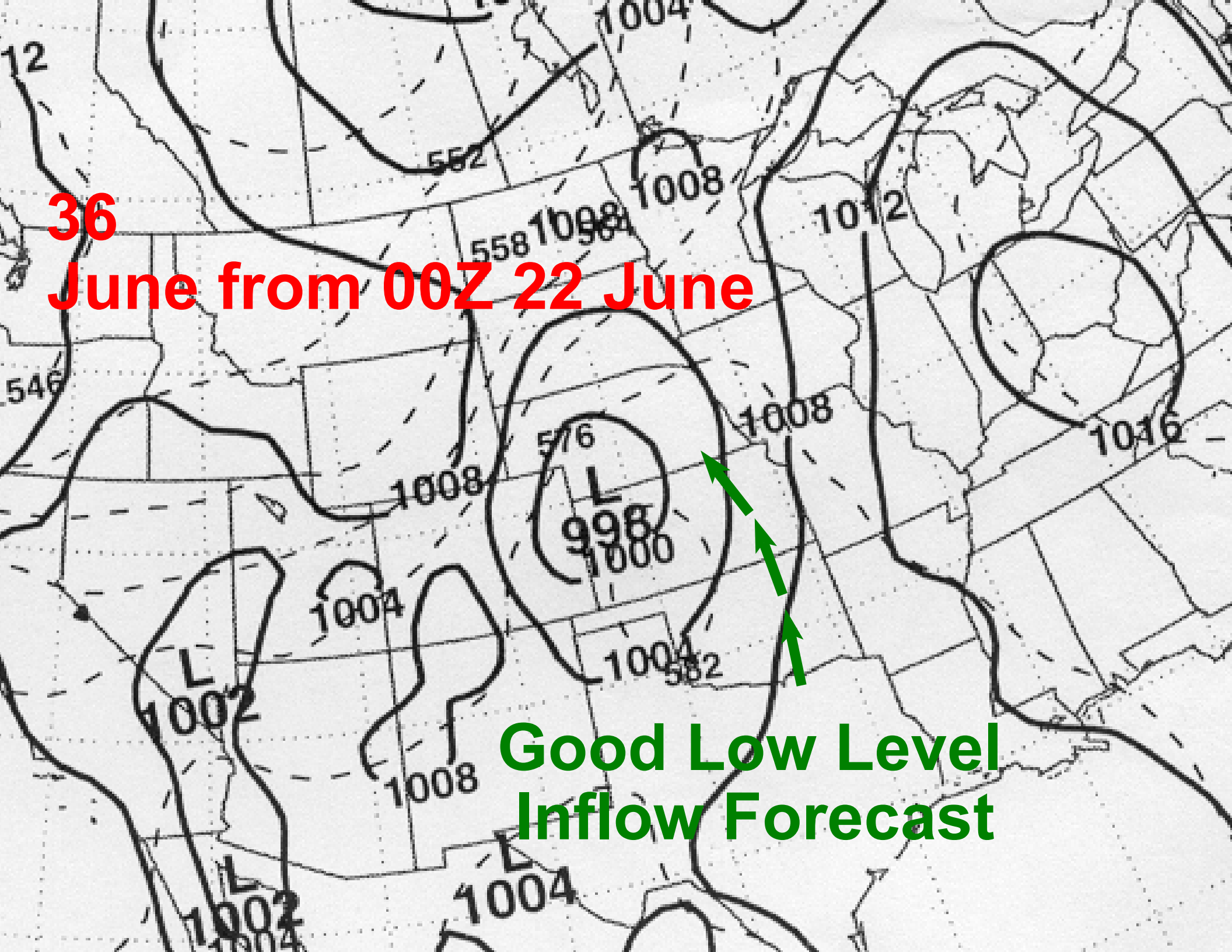


Obs. Pcpn Plotted on Satellite Estimate

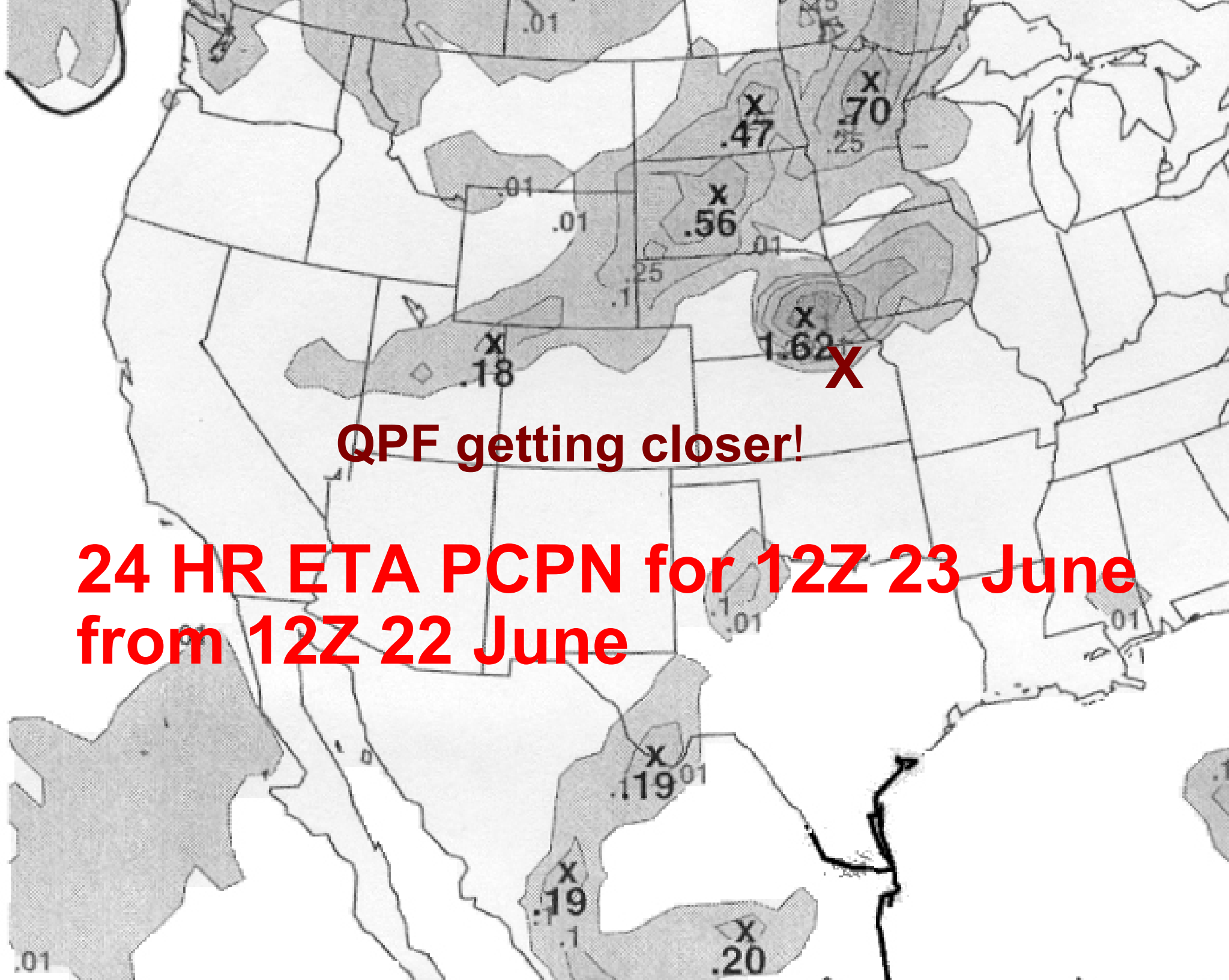
HAND PRECIP ANALYSIS



36
June from 00Z 22 June



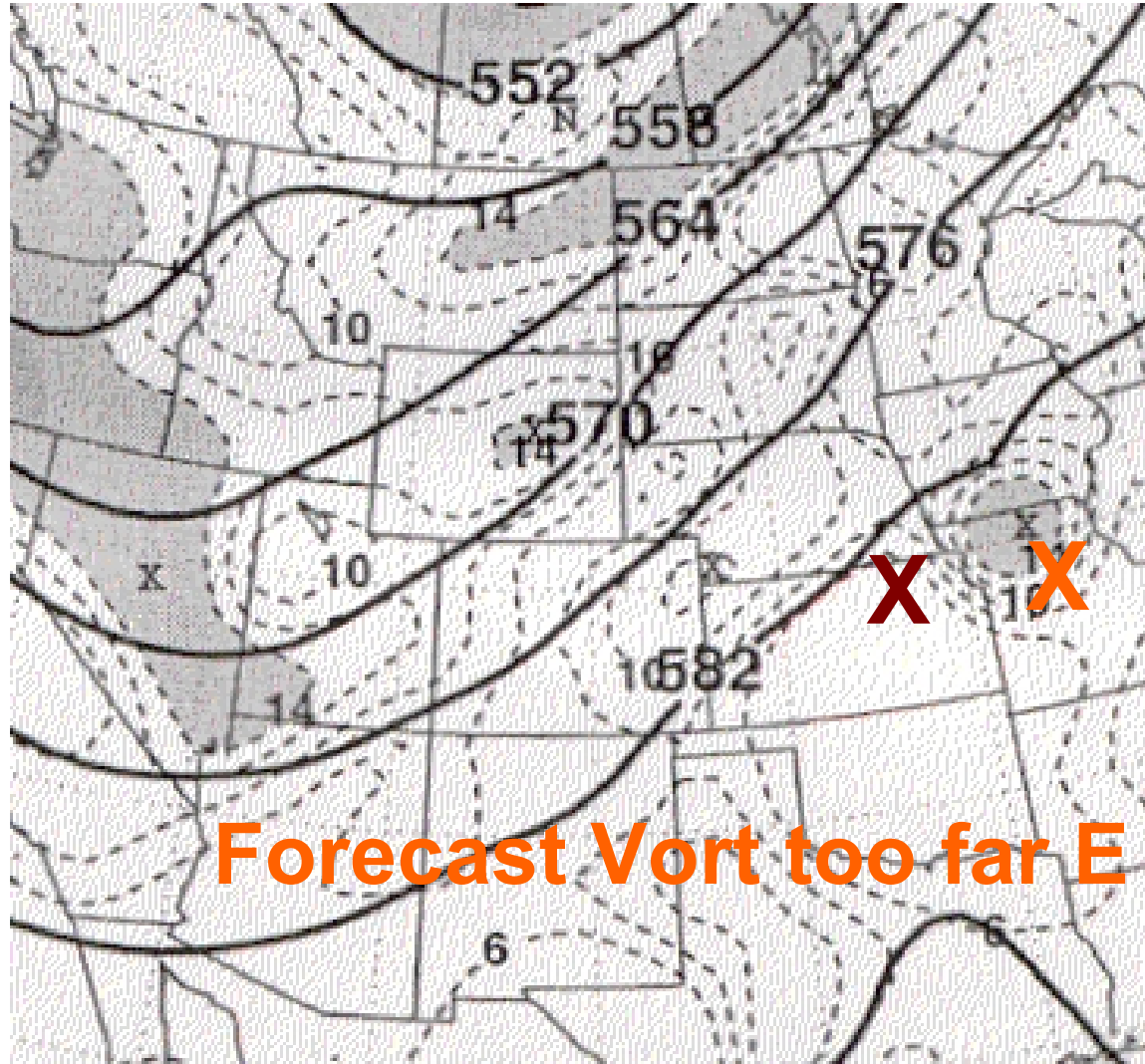
**Good Low Level
Inflow Forecast**

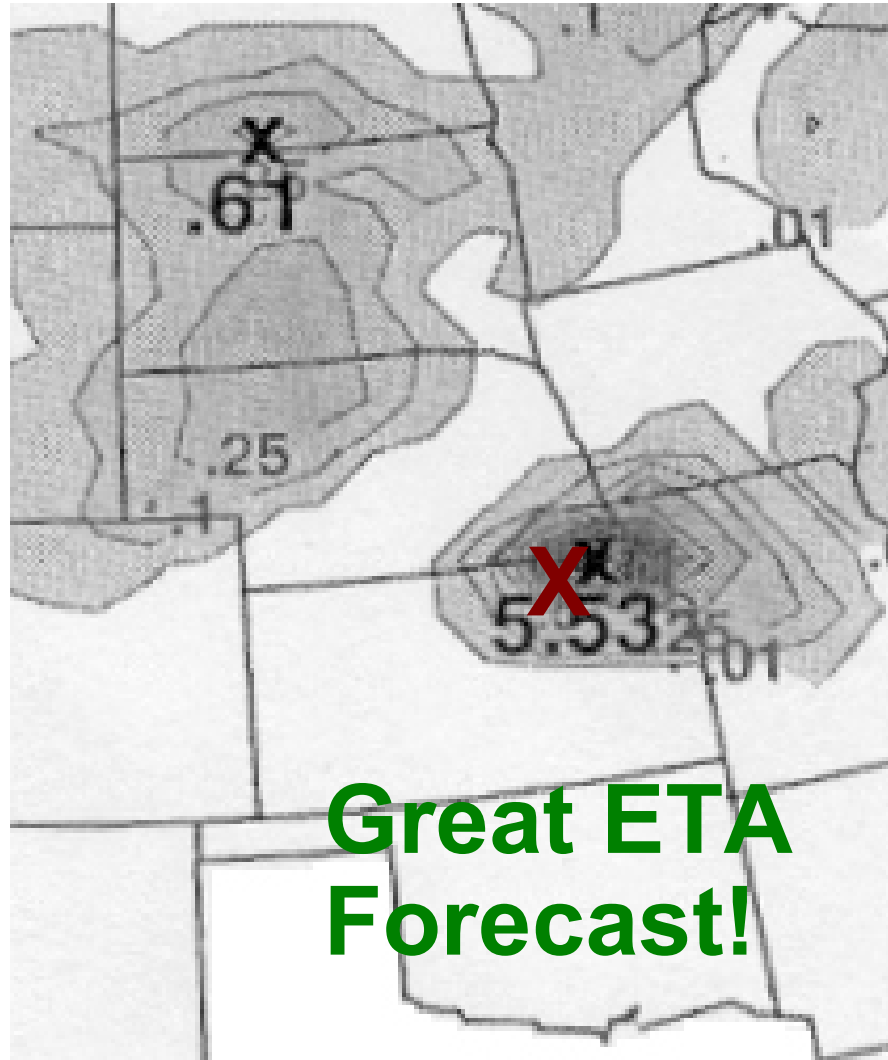


QPF getting closer!

**24 HR ETA PCPN for 12Z 23 June
from 12Z 22 June**

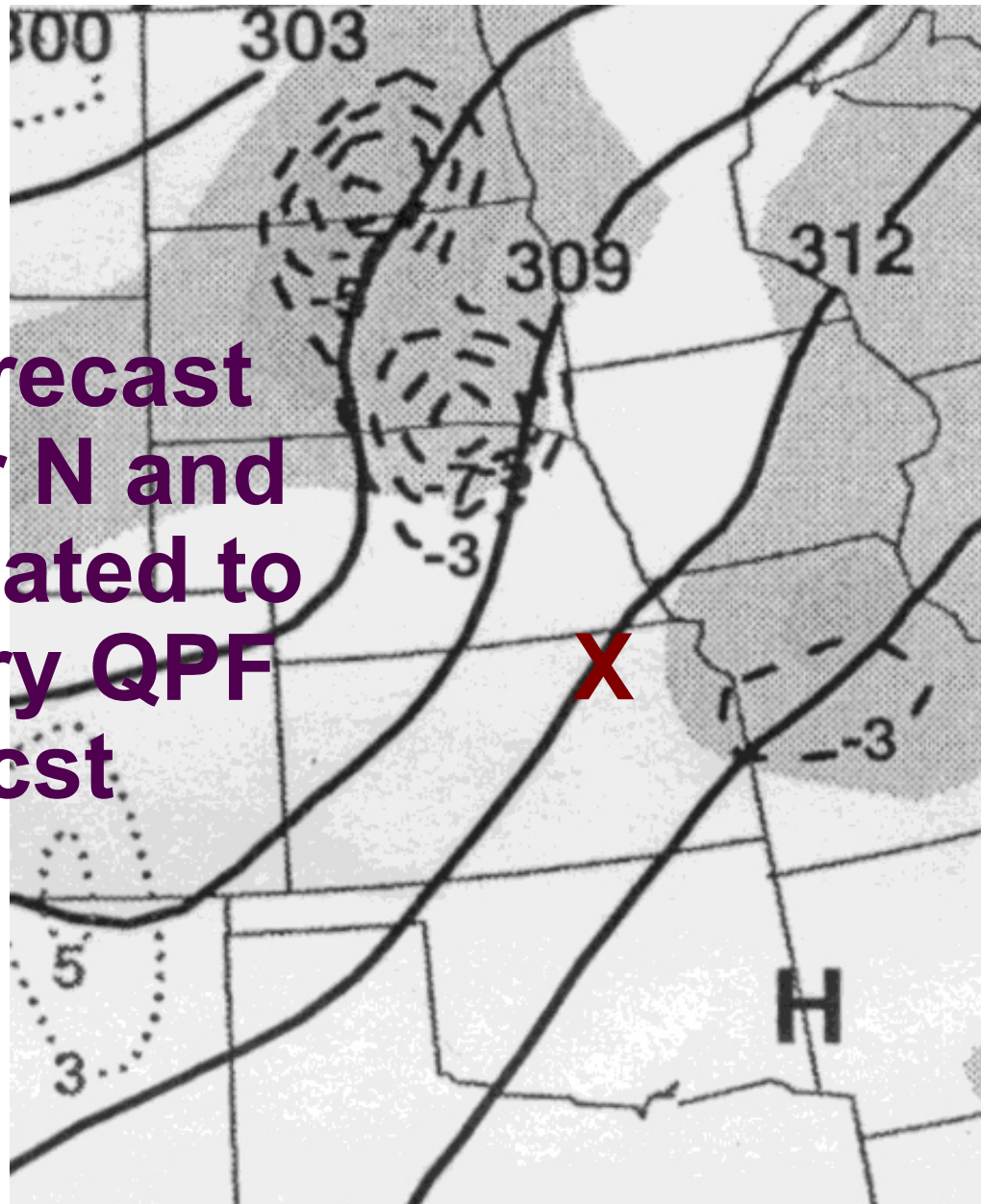
36hr ETA 500mb from 06/22/00Z Valid 06/23/12Z





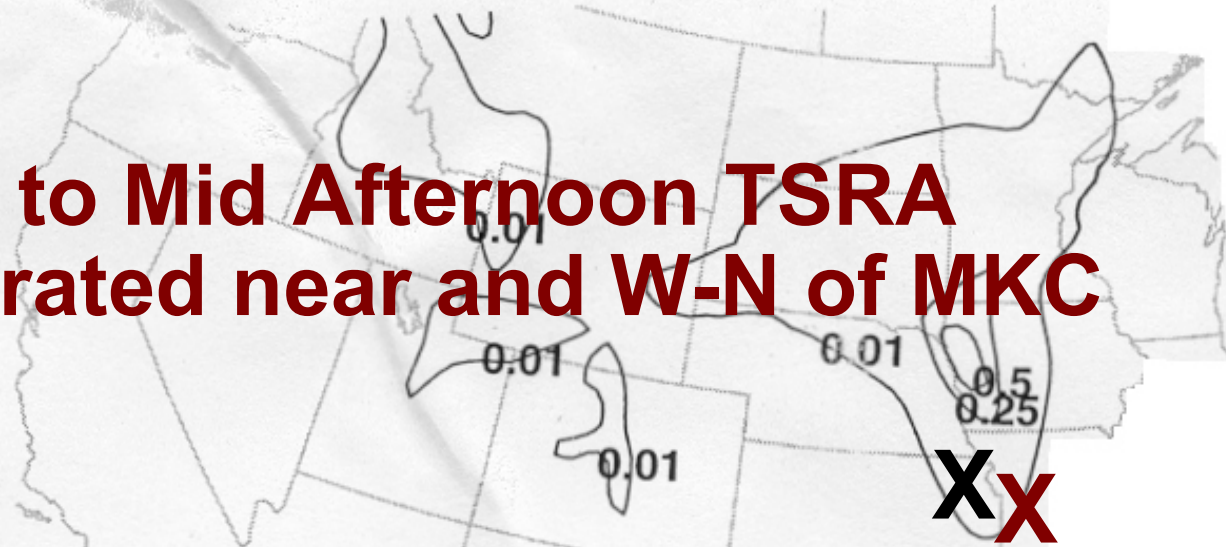
36hr ETA 12Hr Pcpn VT 12Z/23

**VV Forecast
too far N and
not related to
Primary QPF
Max Fcst**



36 hour ETA Valid 23/12Z from 00Z 22 June

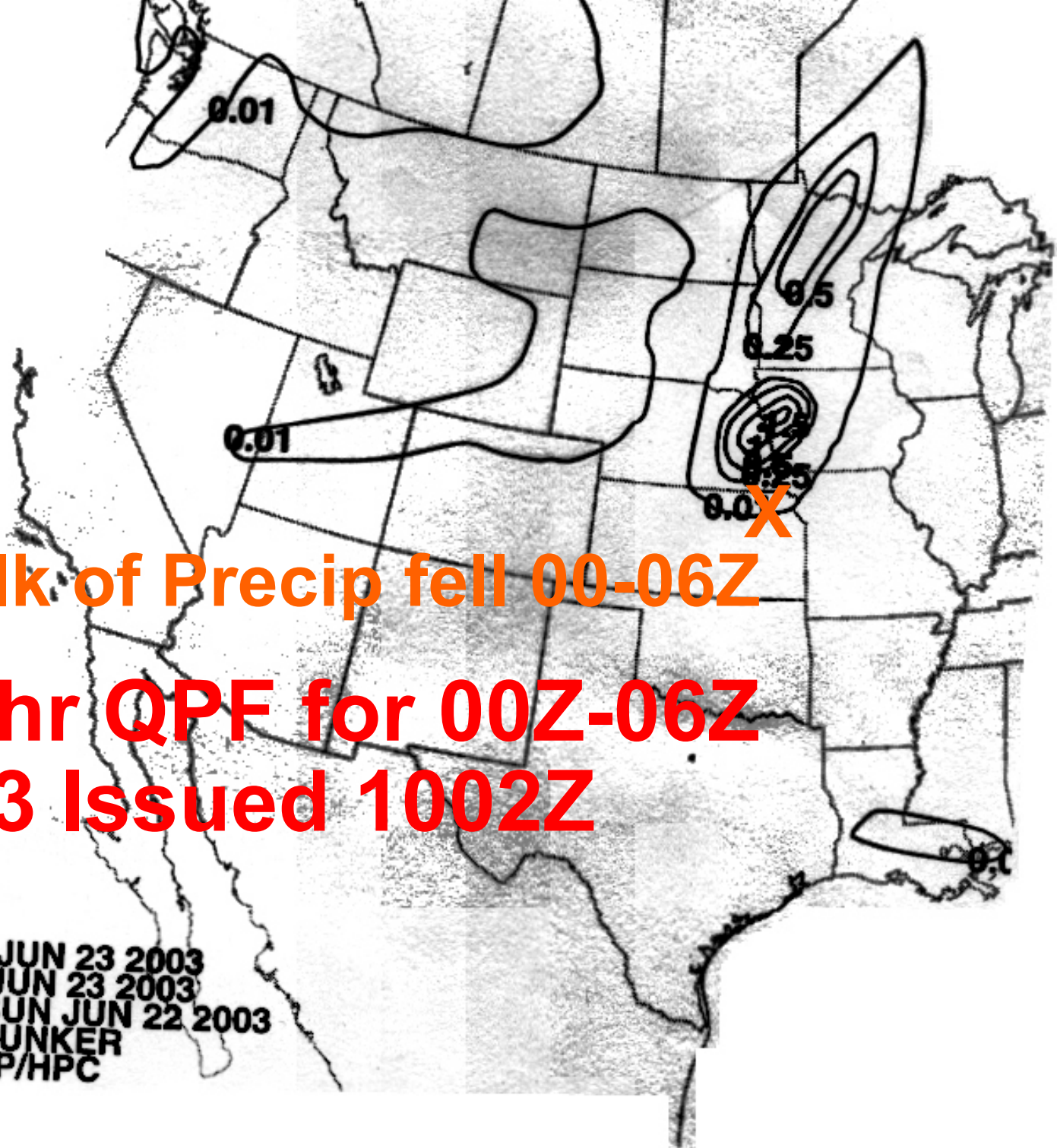
**Morning to Mid Afternoon TSRA
Concentrated near and W-N of MKC**



Evening Outbreak began about 22Z

**HPC 6 hr QPF for 12Z-18Z 22 June
Issued 1002Z**

6 HR QPF 92e
VALID 12Z SUN JUN 22 2003
THRU 18Z SUN JUN 22 2003
ISSUED: 1002Z SUN JUN 22 2003
FORECASTER: JUNKER
NOAA/NWS/NCEP/HPC



Bulk of Precip fell 00-06Z

**HPC 6 hr QPF for 00Z-06Z
June 23 Issued 1002Z**

6-HR QPF 9ee
VALID 00Z MON JUN 23 2003
THRU 06Z MON JUN 23 2003
ISSUED: 1002Z SUN JUN 22 2003
FORECASTER: JUNKER
NOAA/NWS/NCEP/HPC

Radar History of Hebron-Deshler NE Storms

