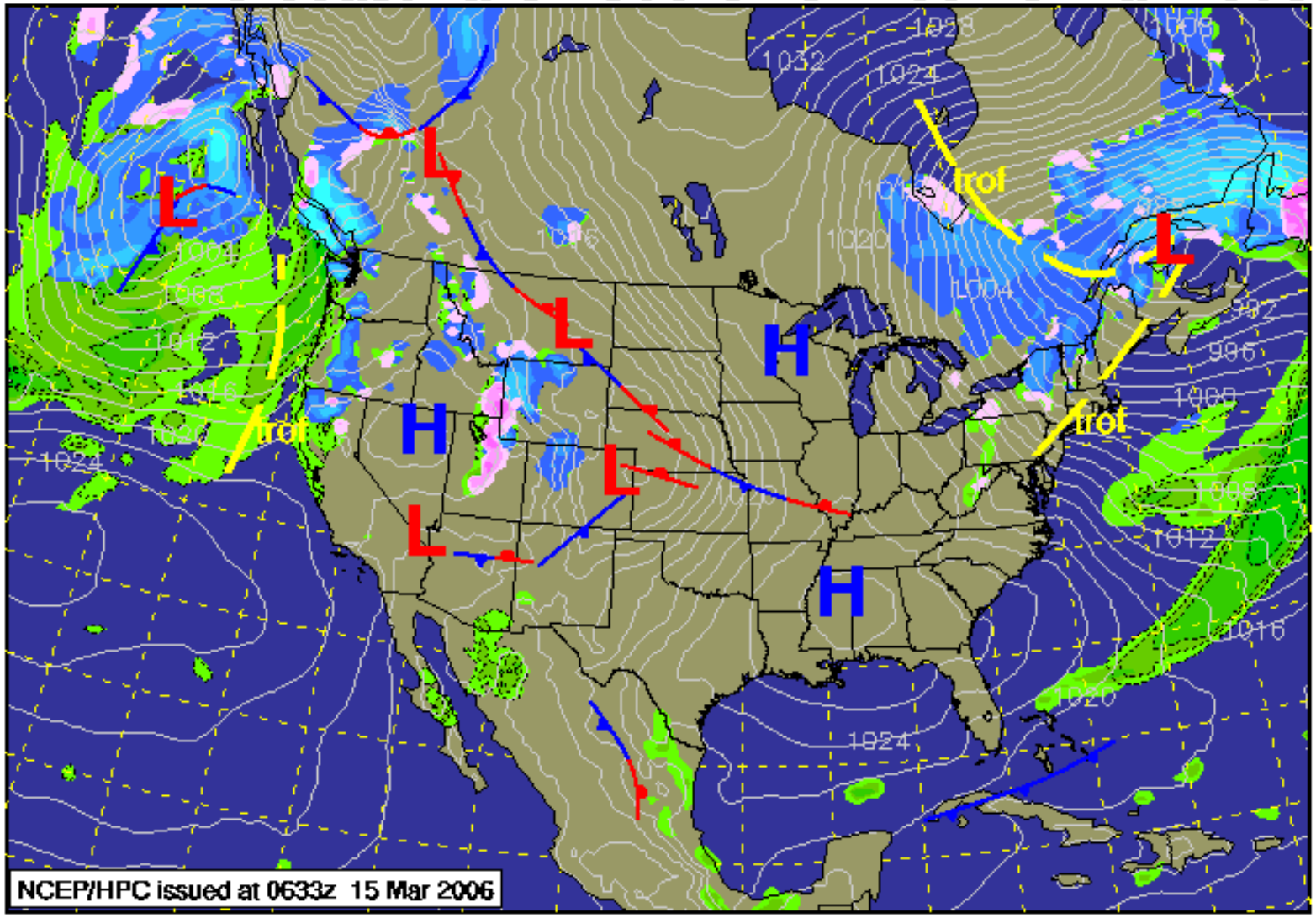
Current Conditions

15 March 2006

Henry Fuelberg
Geoffrey Stano

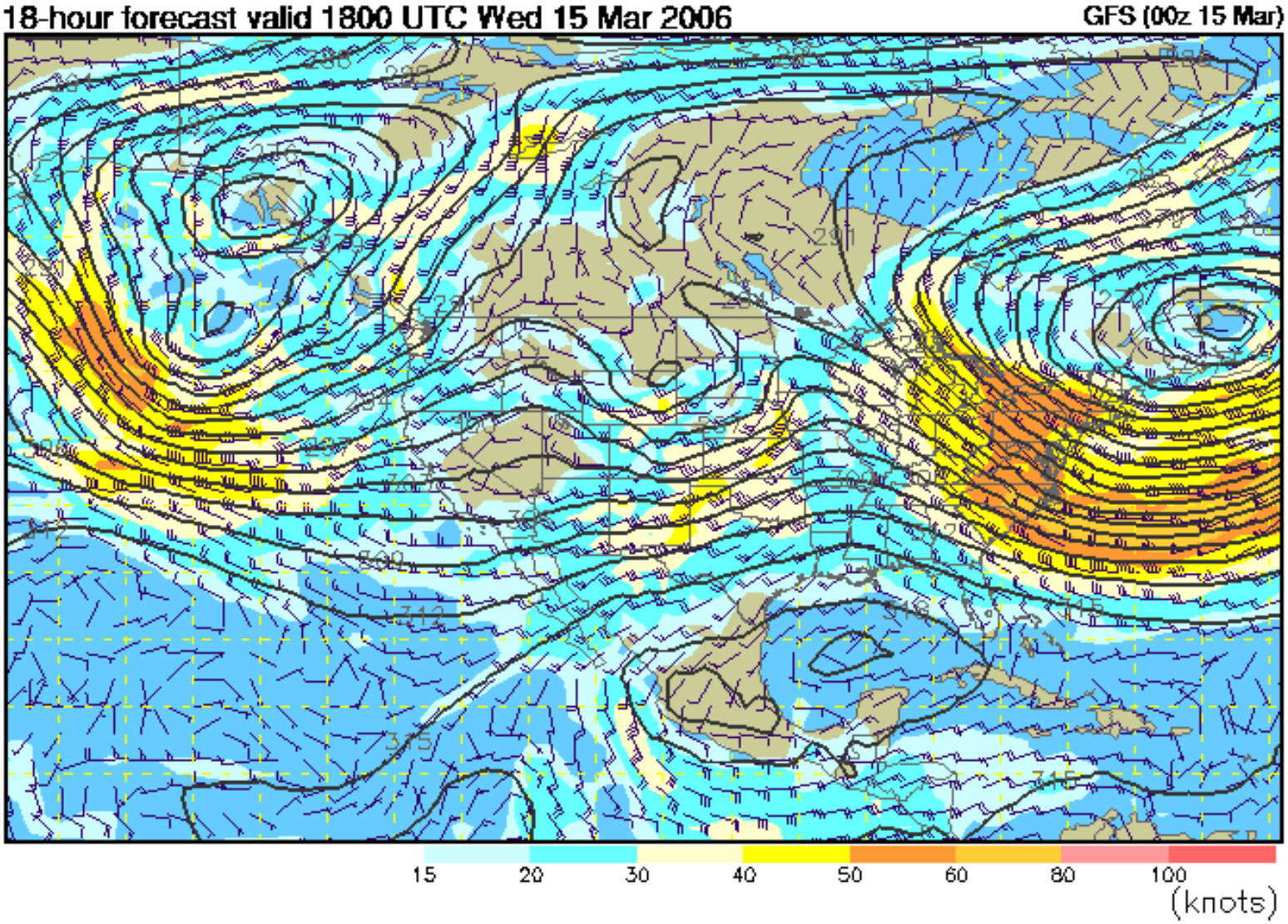
"Your Eyes to the Skies"

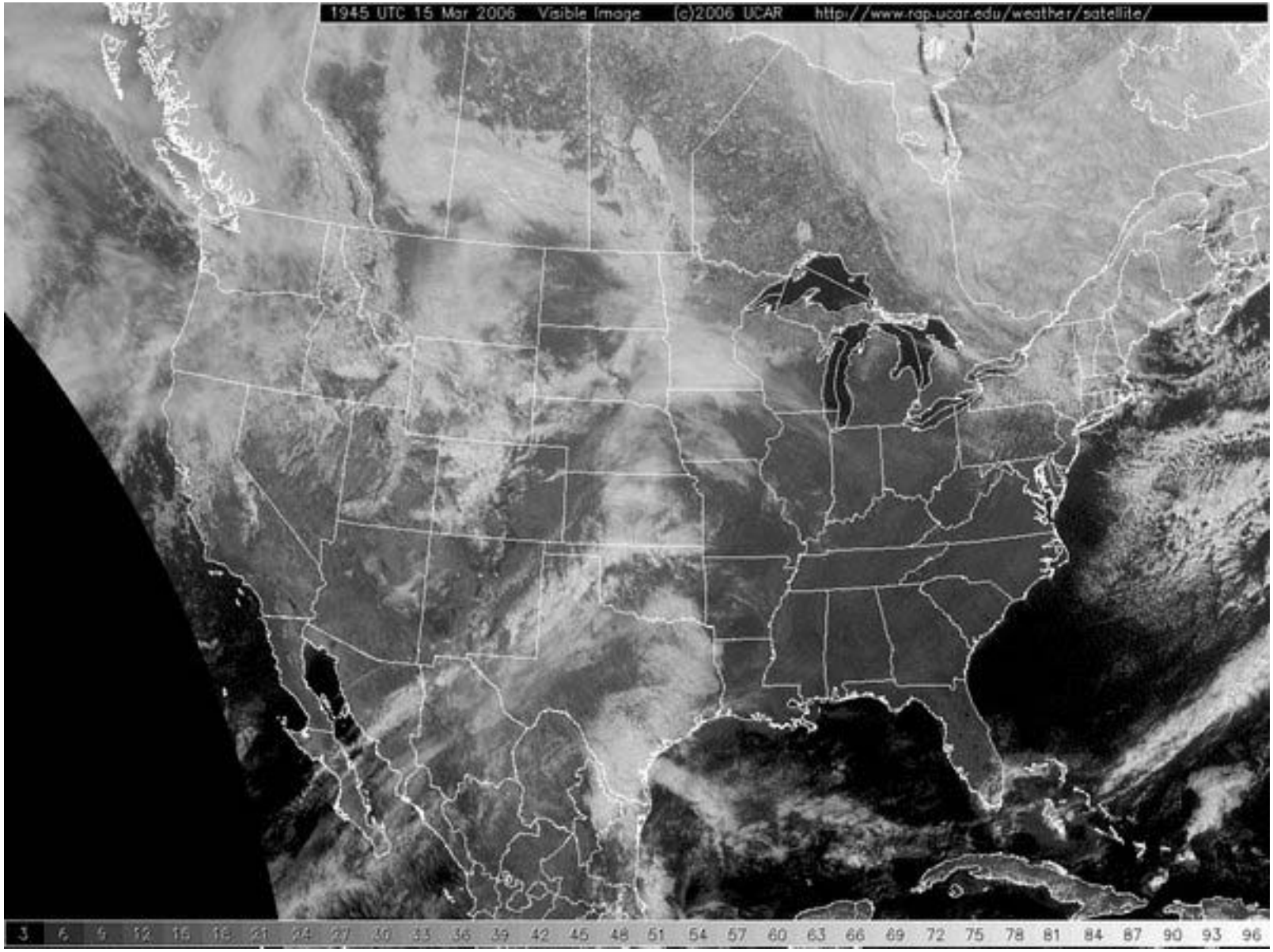
12 hr forecast valid 1800 UTC Wed 15 Mar 2006

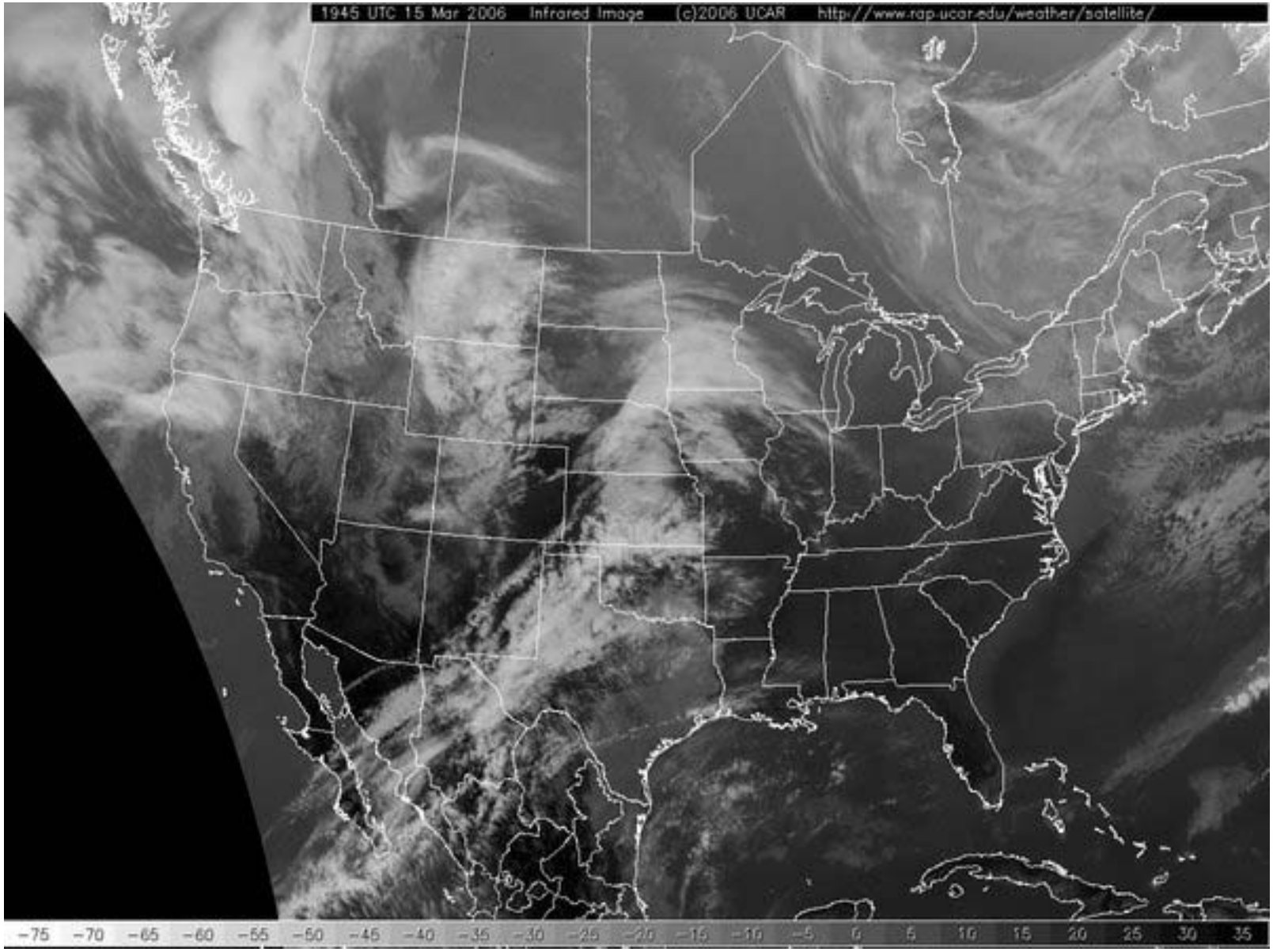


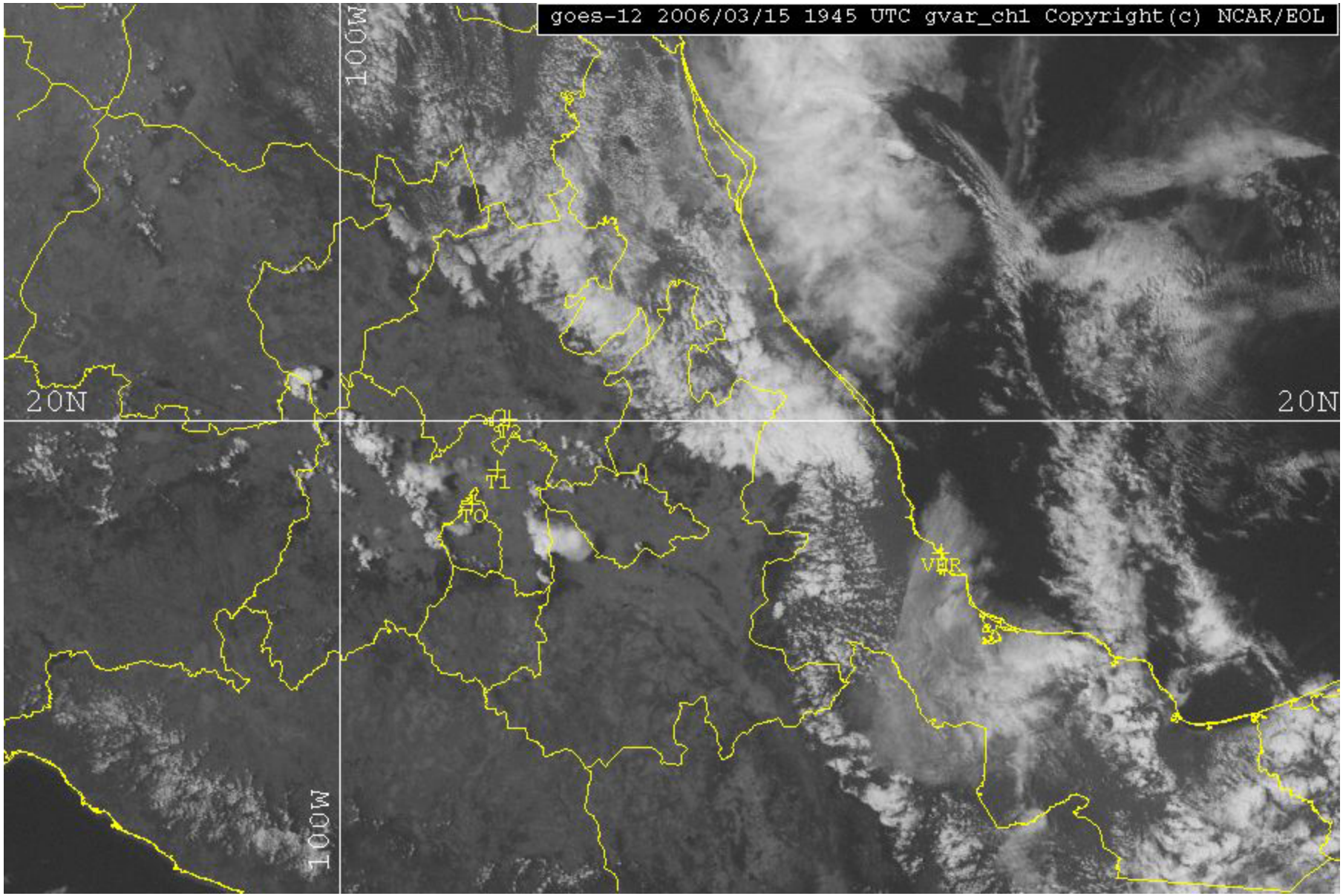
Rain Snow Wintry mix

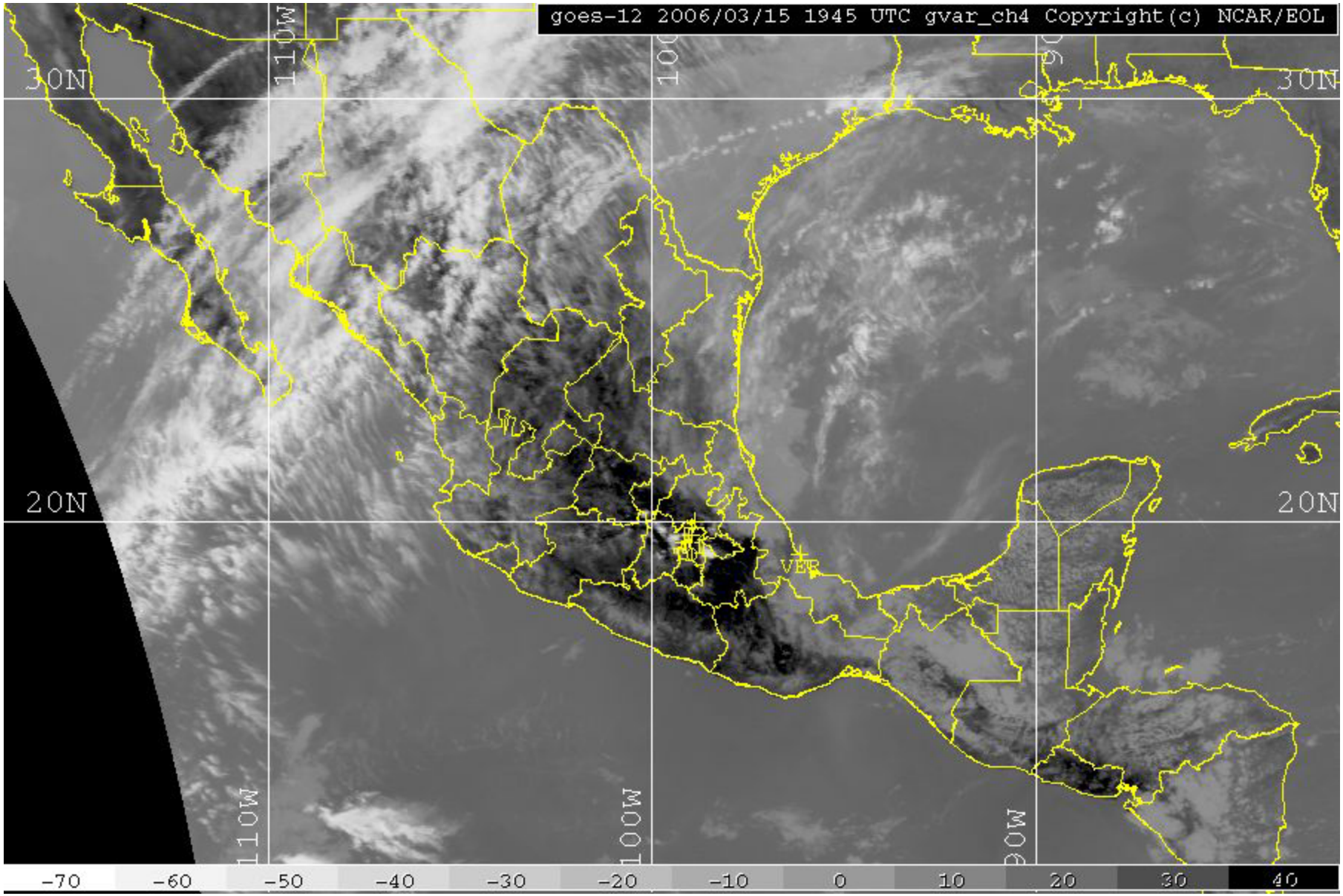
700 mb Heights (dm) / Isotachs (knots)



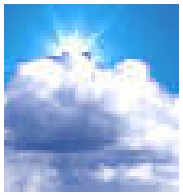

1945 UTC 15 Mar 2006 Visible Image (c)2006 UCAR http://www.rap.ucar.edu/weather/satellite/
3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69 72 75 78 81 84 87 90 93 96


1945 UTC 15 Mar 2006 Infrared Image (c)2006 UCAR http://www.rap.ucar.edu/weather/satellite/
-75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35


goes-12 2006/03/15 1945 UTC gvar_ch1 Copyright(c) NCAR/EOL
100W
20N
20N
T2
T1
T0
VER
100W


goes-12 2006/03/15 1945 UTC gvar_ch4 Copyright(c) NCAR/EOL
30N
30N
20N
20N
110W
100W
90W
VER
-70
-60
-50
-40
-30
-20
-10
0
10
20
30
40

Houston Forecast

Today	Tonight	Thursday	Thursday Night
			
Mostly Cloudy Hi 72°F	Chance Tstms Lo 64°F	Chance Tstms Hi 77°F	Chance Tstms Lo 65°F

Friday	Friday Night	Saturday	Saturday Night	Sunday
Chance Tstms Hi 71°F	Chance Tstms Lo 62°F	Chance Tstms Hi 71°F	Chance Tstms Lo 66°F	Chance Tstms Hi 76°F

Mexico City Forecast

Ciudad de México

16 Marzo 2006

Tiempo:

Máxima: 29 °C Mínima: 10 °C

Ciudad de México

17 Marzo 2006

Tiempo:

Máxima: 31 °C Mínima: 12 °C

Ciudad de México

18 Marzo 2006

Tiempo:

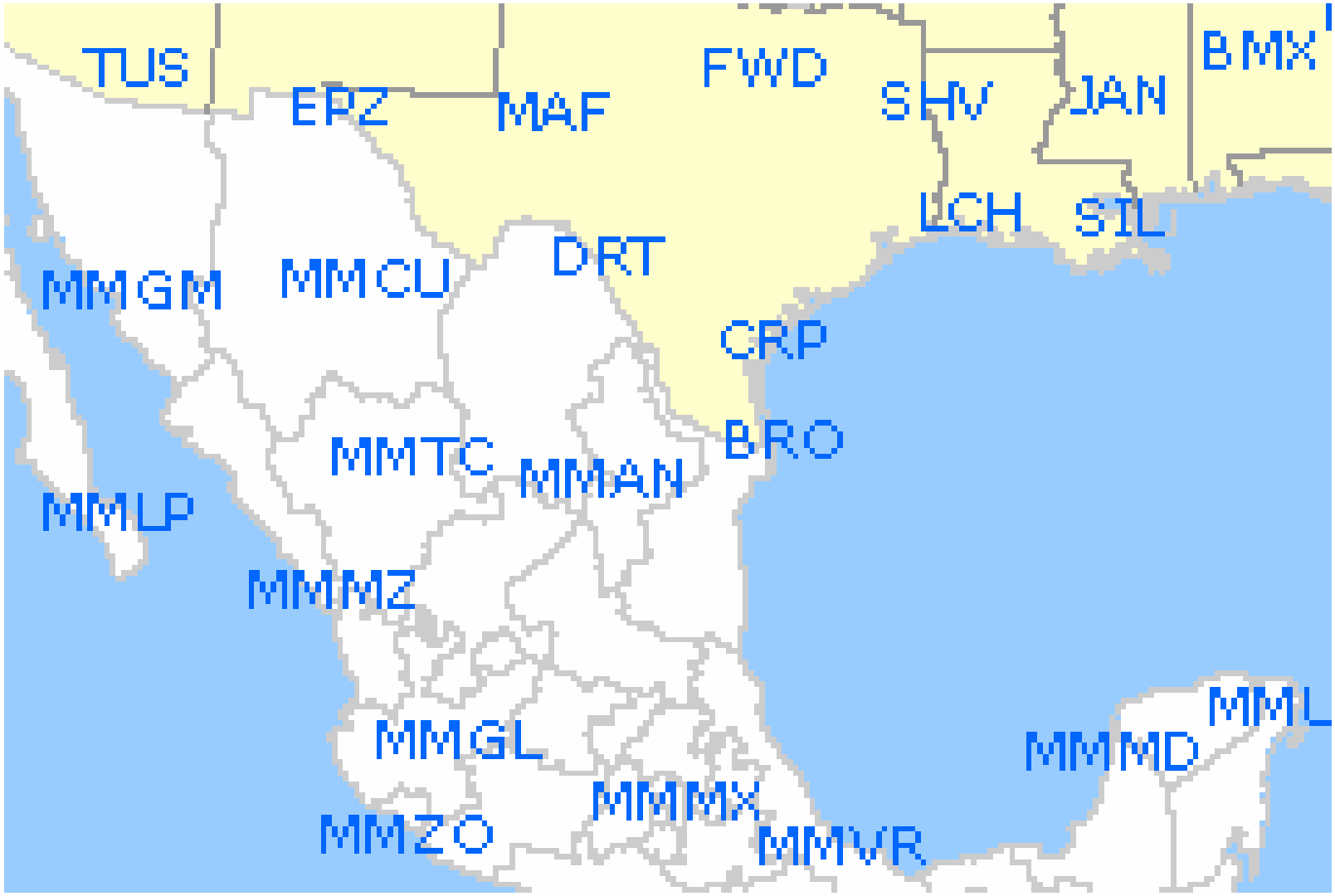
Máxima: 30 °C Mínima: 11 °C

Ciudad de México

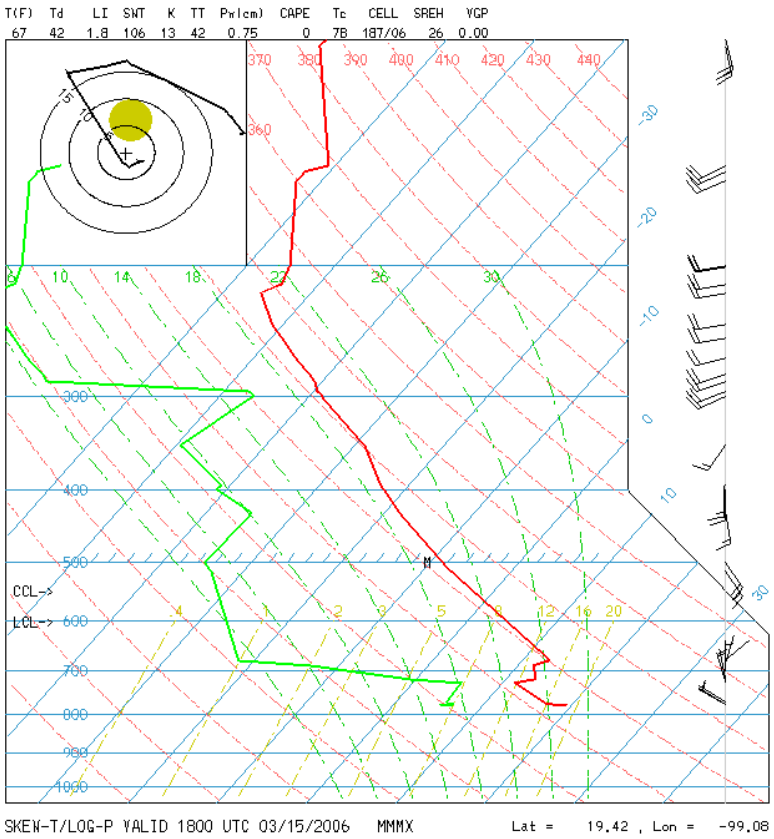
19 Marzo 2006

Tiempo:

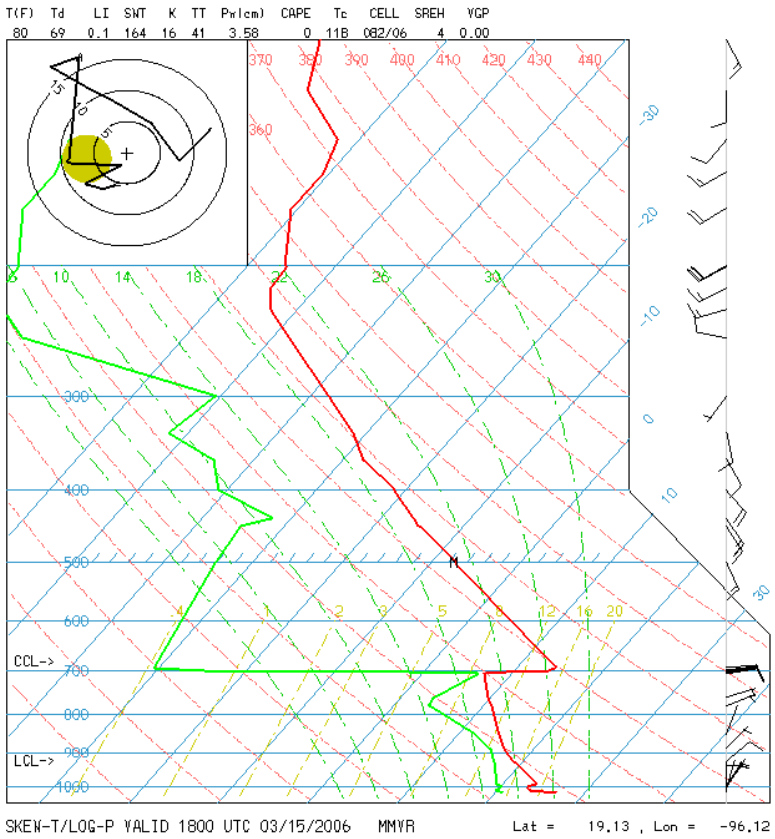
Máxima: 31 °C Mínima: 12 °C


TUS
EPZ
MAF
FWD
SHV
JAN
BMX
LCH
SIL
MMGM
MMCU
DRT
CRP
BRO
MMTC
MMAN
MMLP
MMMZ
MMGL
MMMX
MMZO
MMVR
MMMD
MML

Mexican Soundings (Noon)

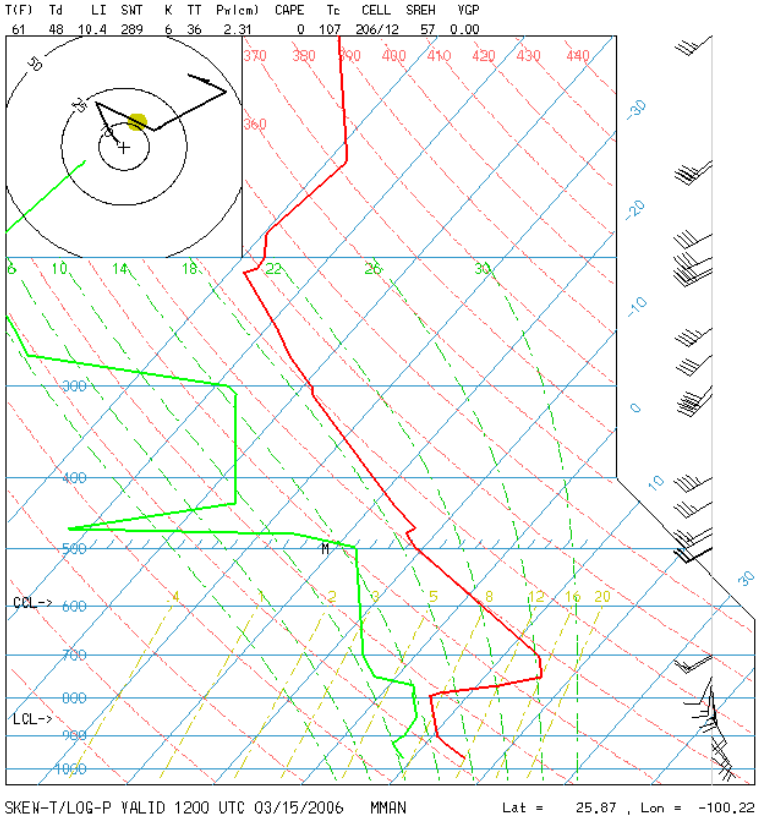


Mexico City

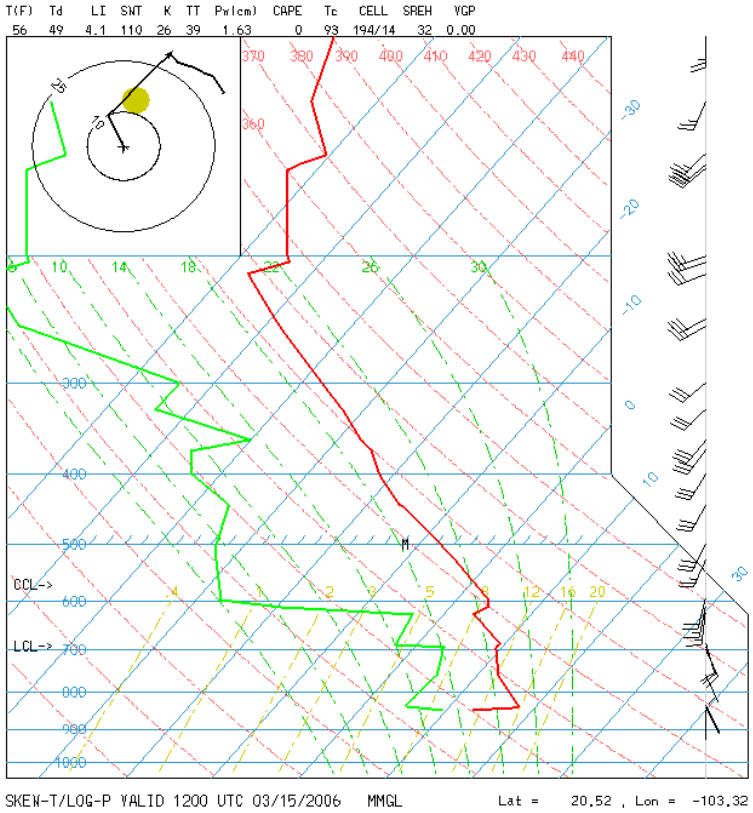


Veracruz

Mexican Soundings (6 am)



Monterey

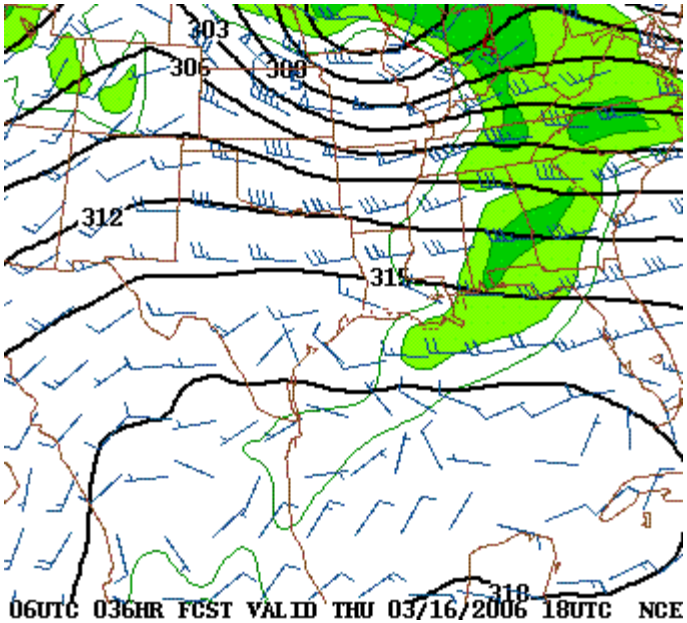


Guadalajara

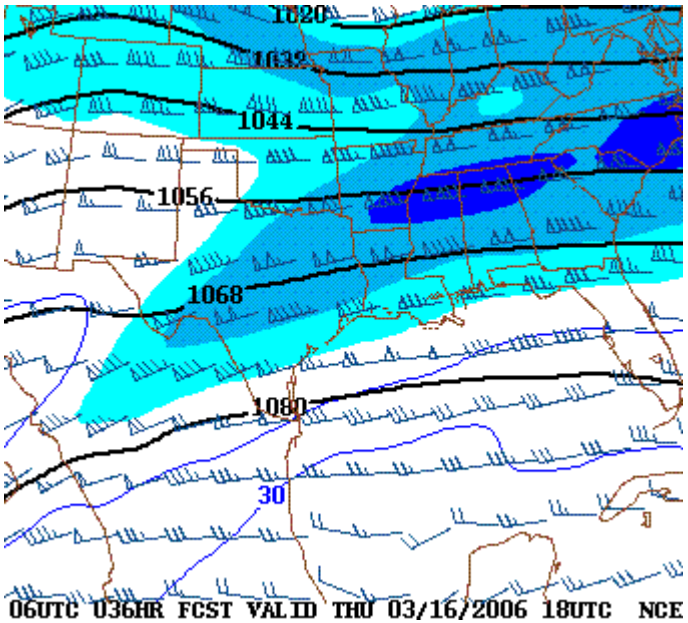
Thursday Forecast

16 March 2006

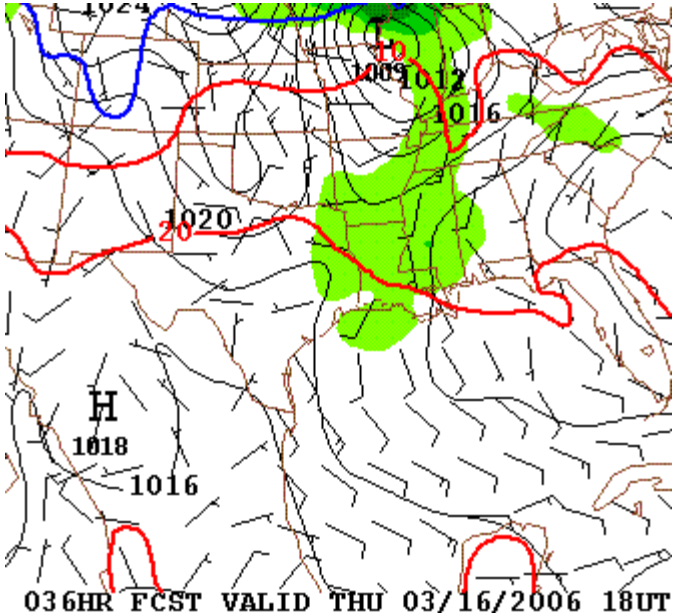
700 mb



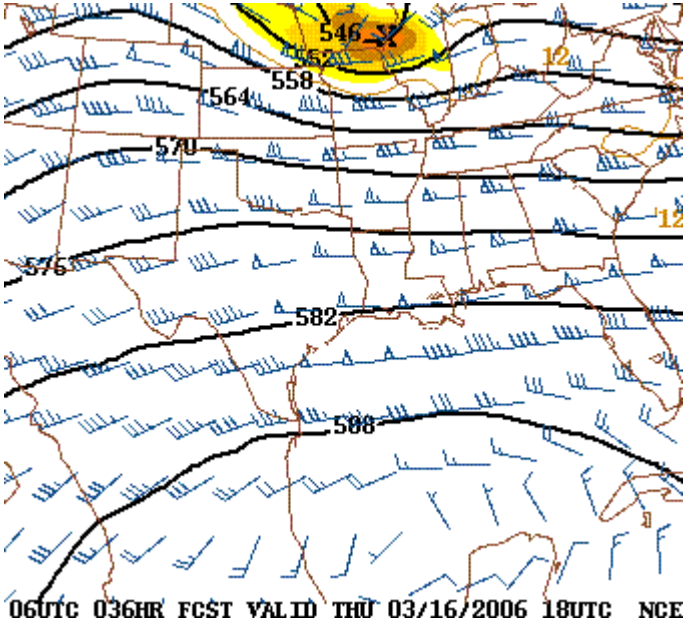
250 mb



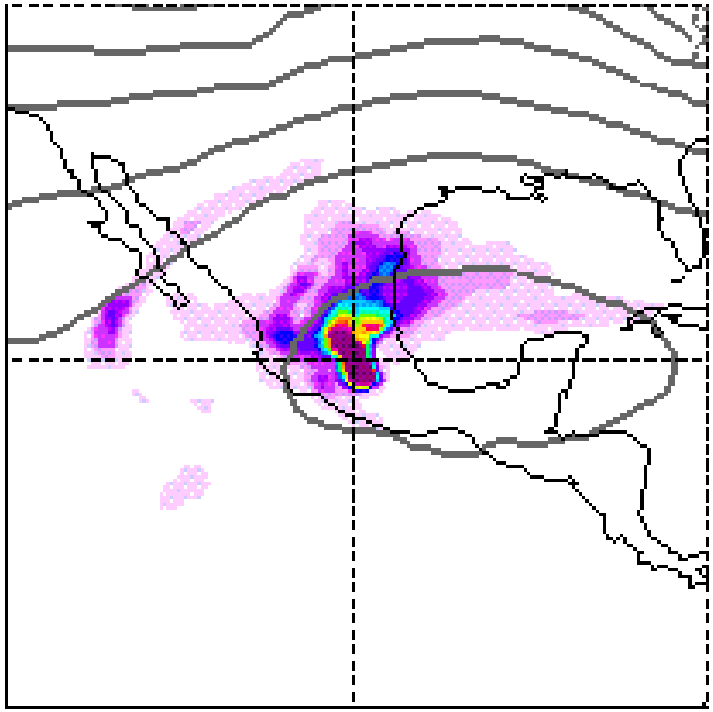
Surface



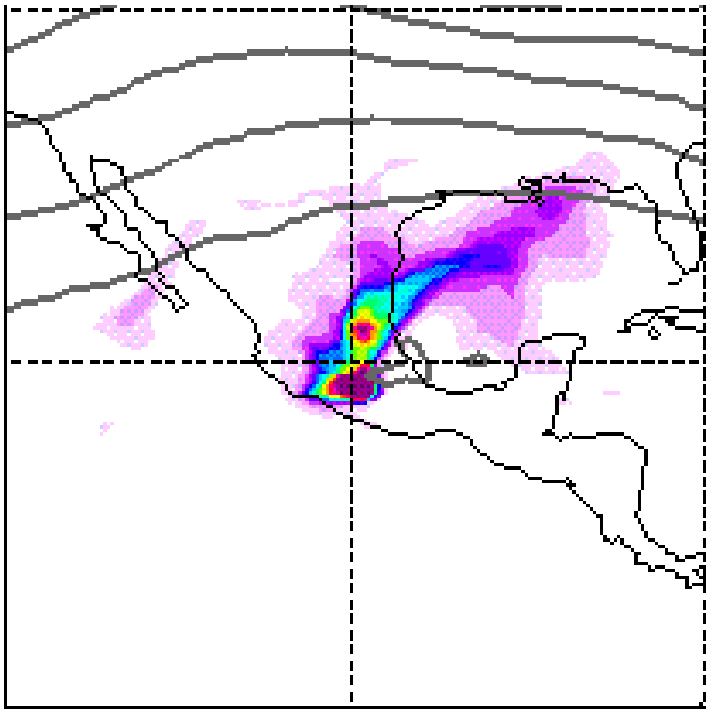
500 mb



Thursday Flexpart Forecast

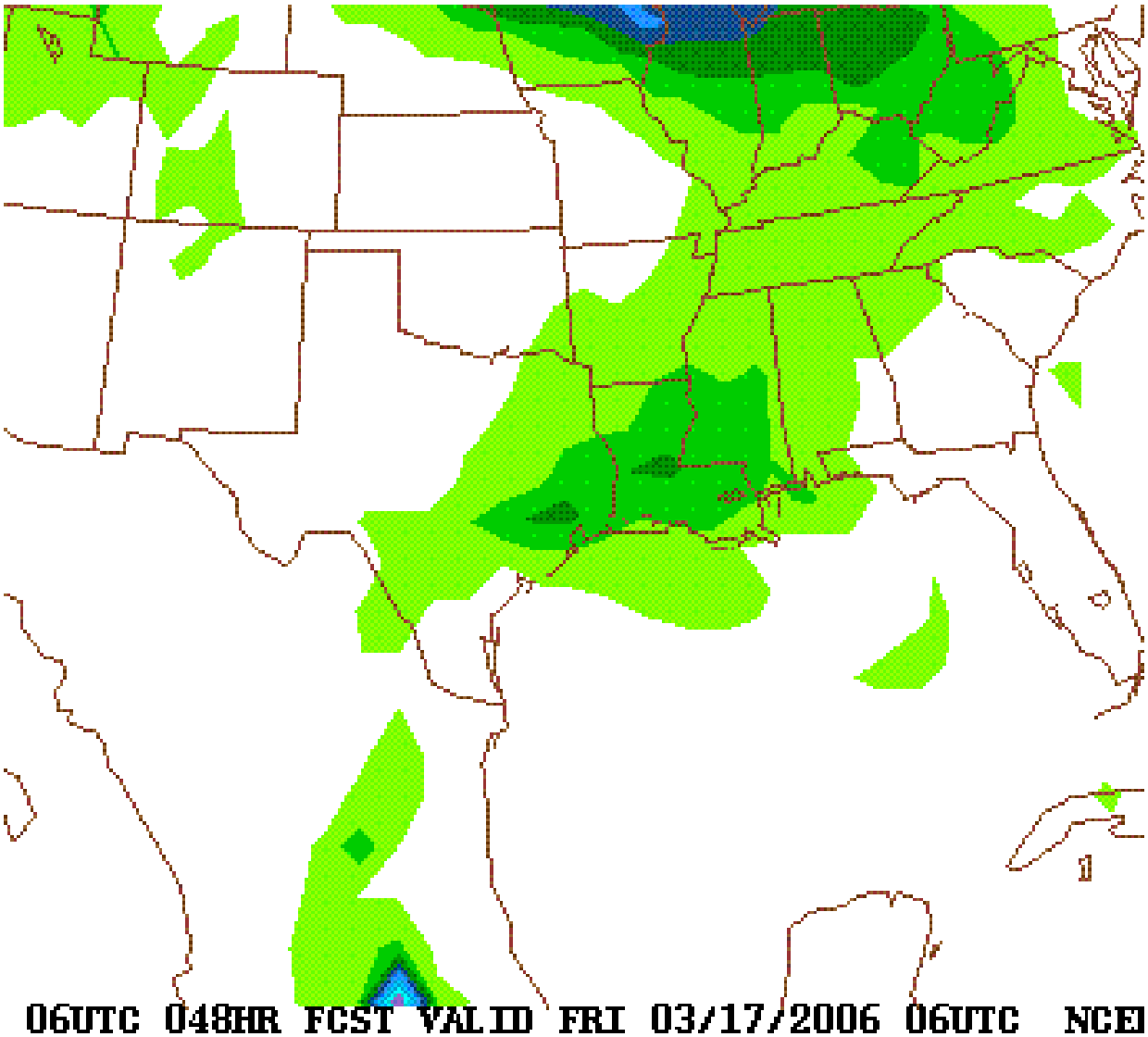


Wednesday

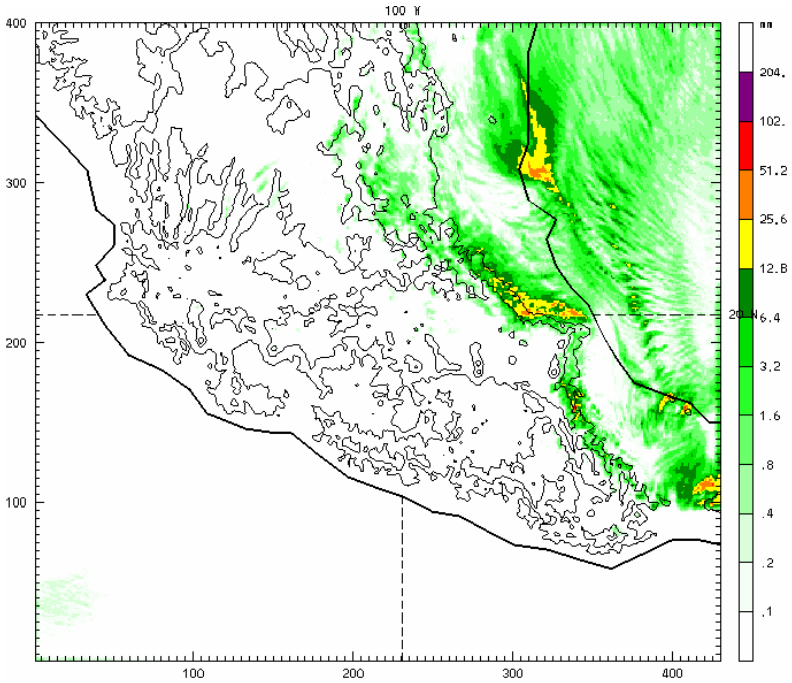


Thursday

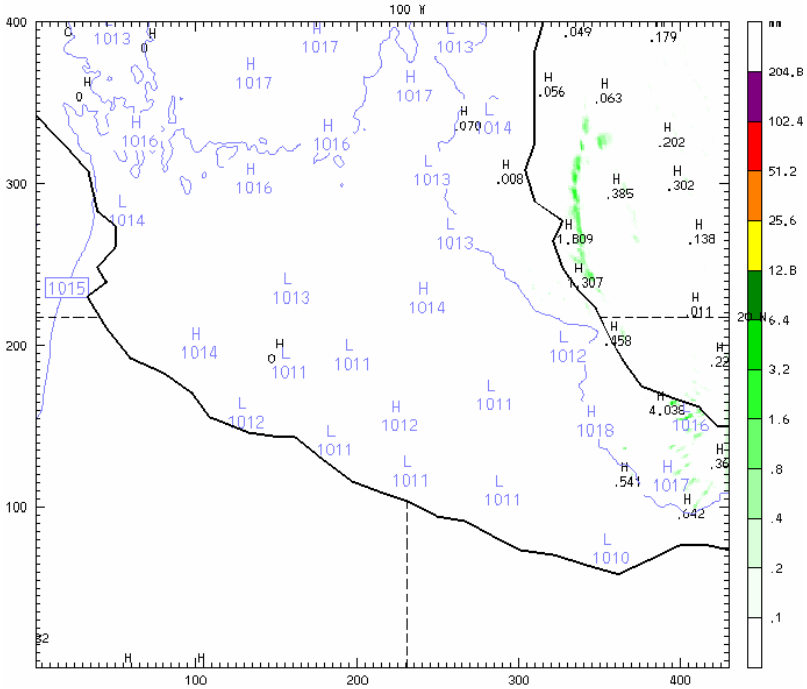
Thursday Precipitation - GFS



Thursday Precipitation – WRF Mirage

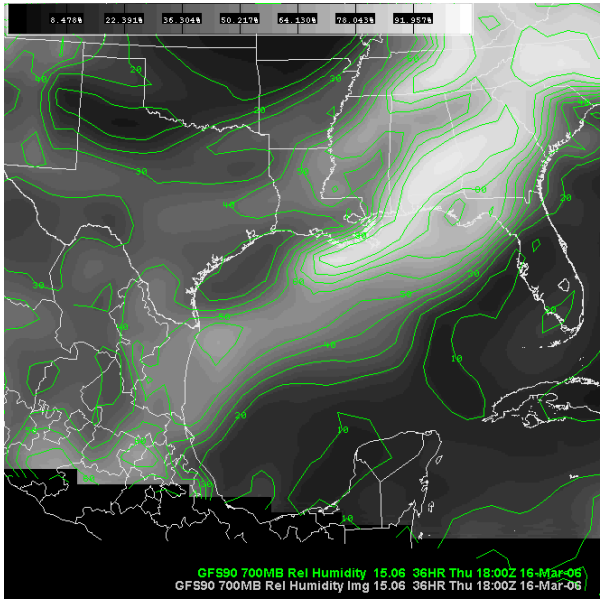


Total Precip (42 hr)
Ending Noon Thursday

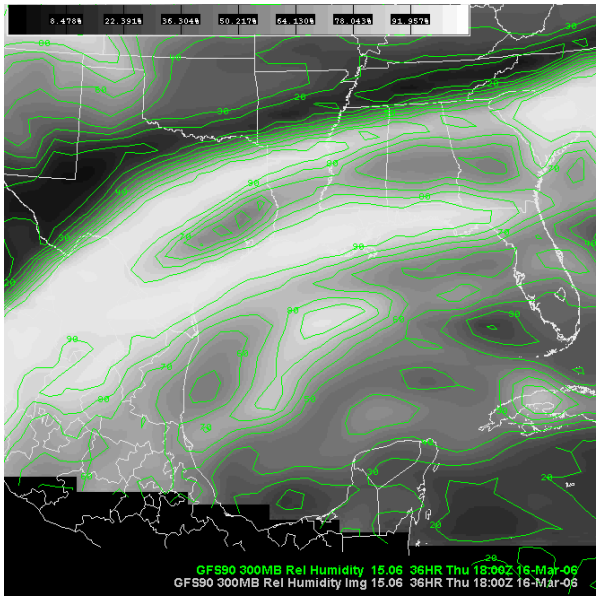


1-hr Precipitation
Valid 11 am Thursday

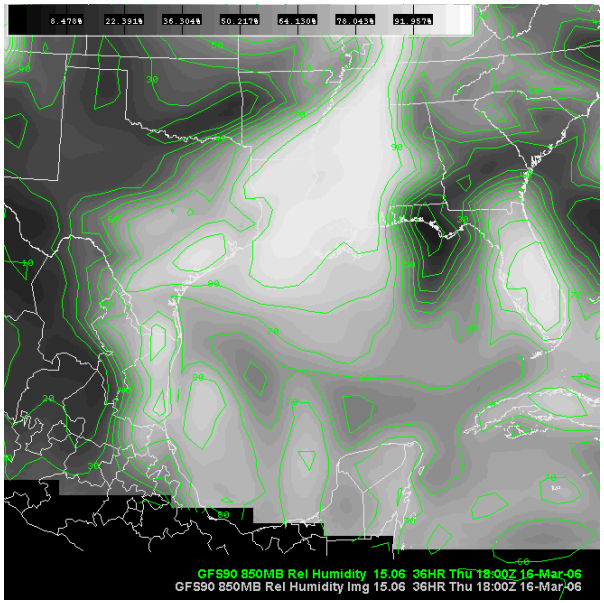
700 mb



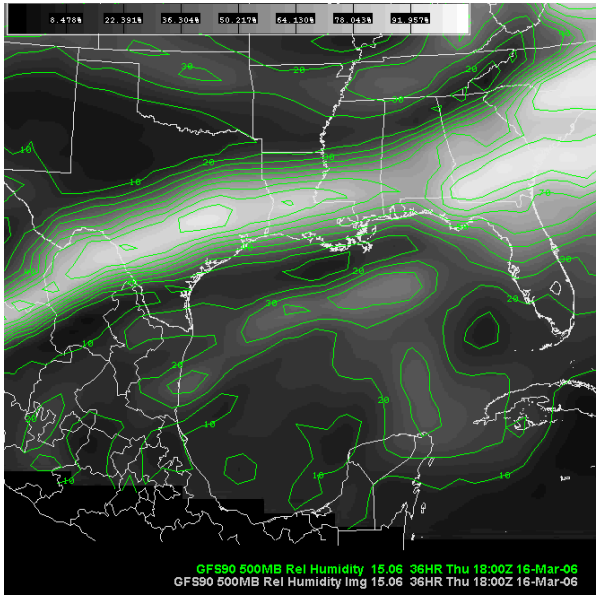
250 mb

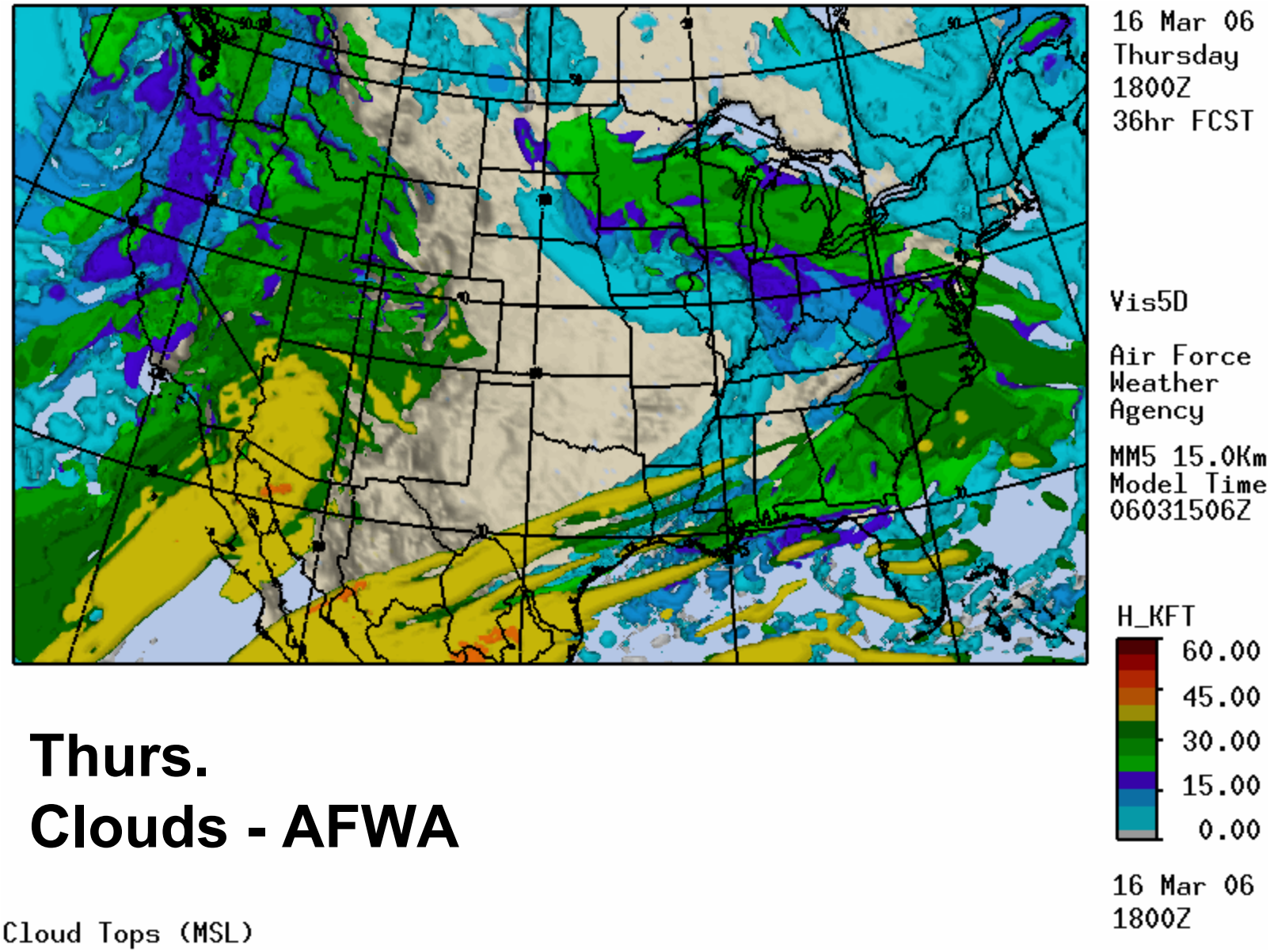


Surface



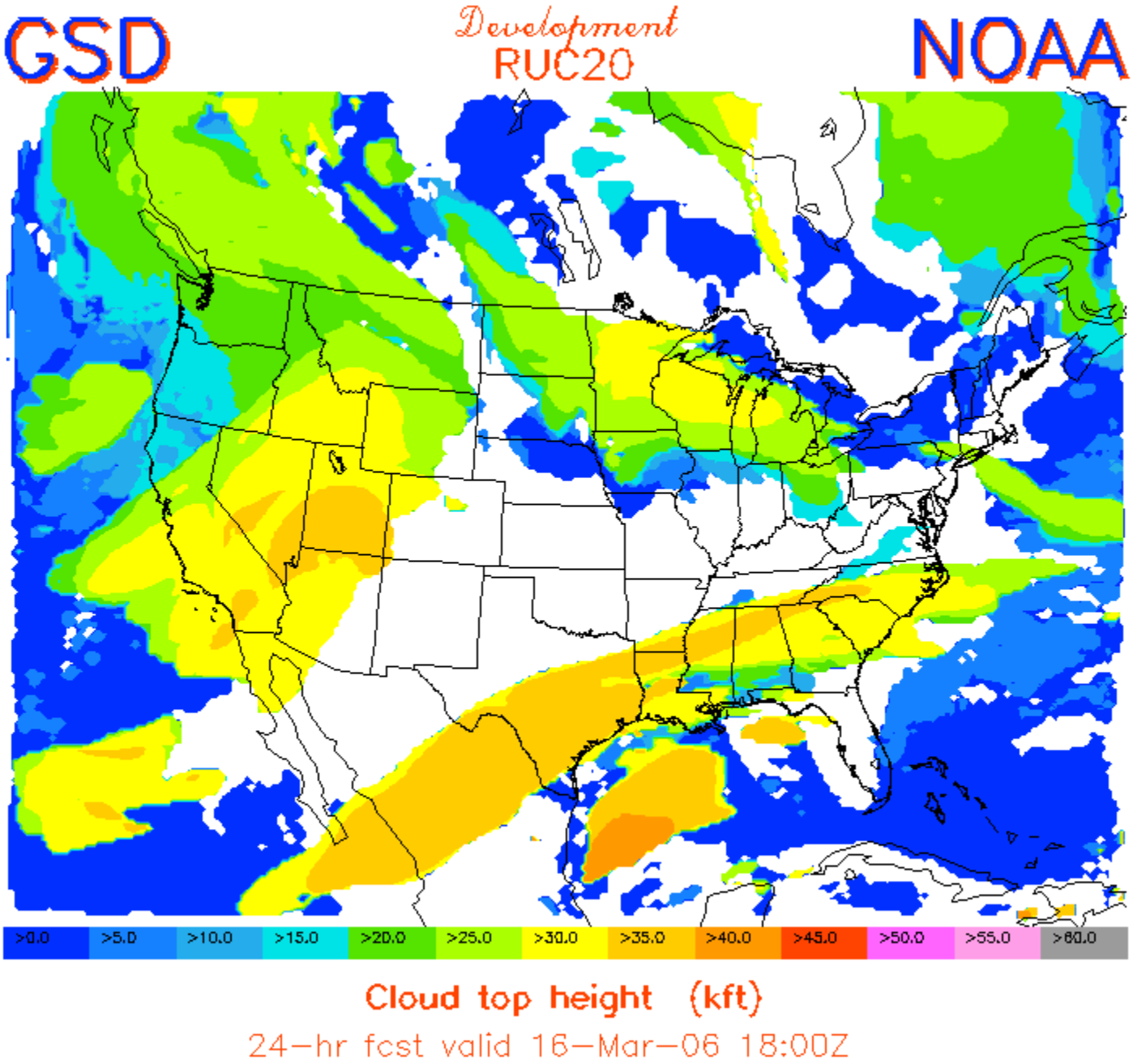
500 mb



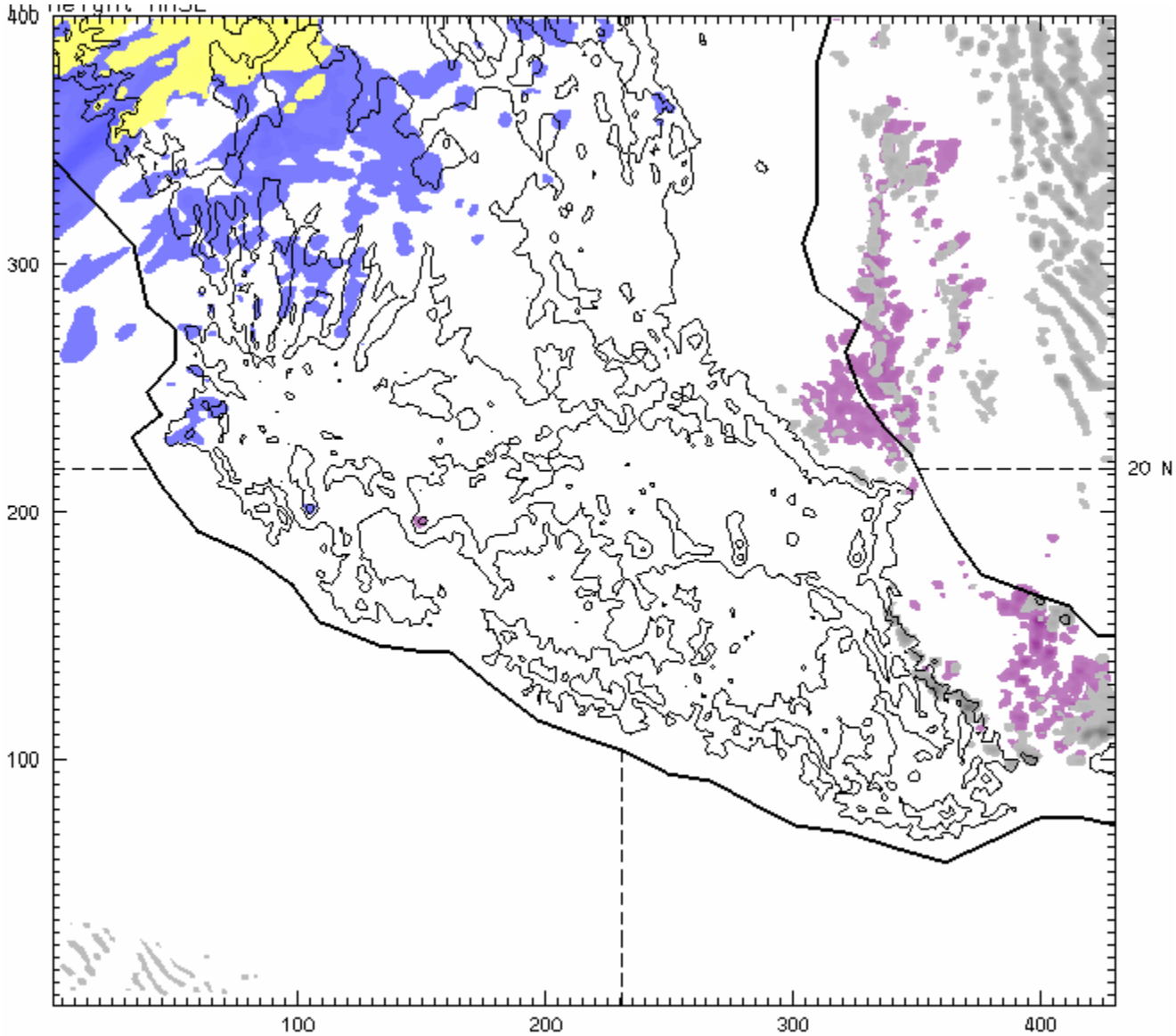


Thurs.
Clouds - AFWA

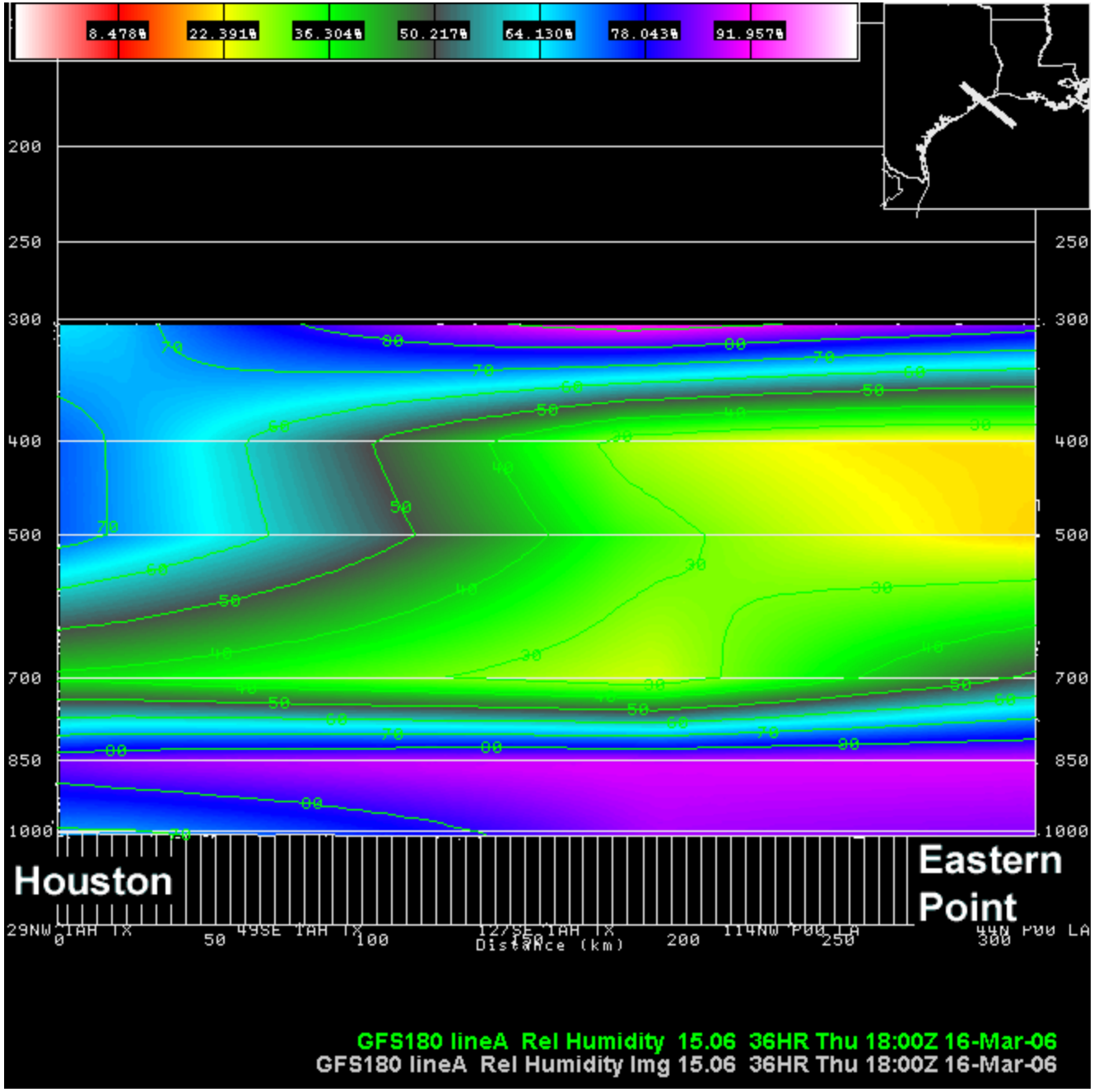
Thurs.
Clouds
RUC



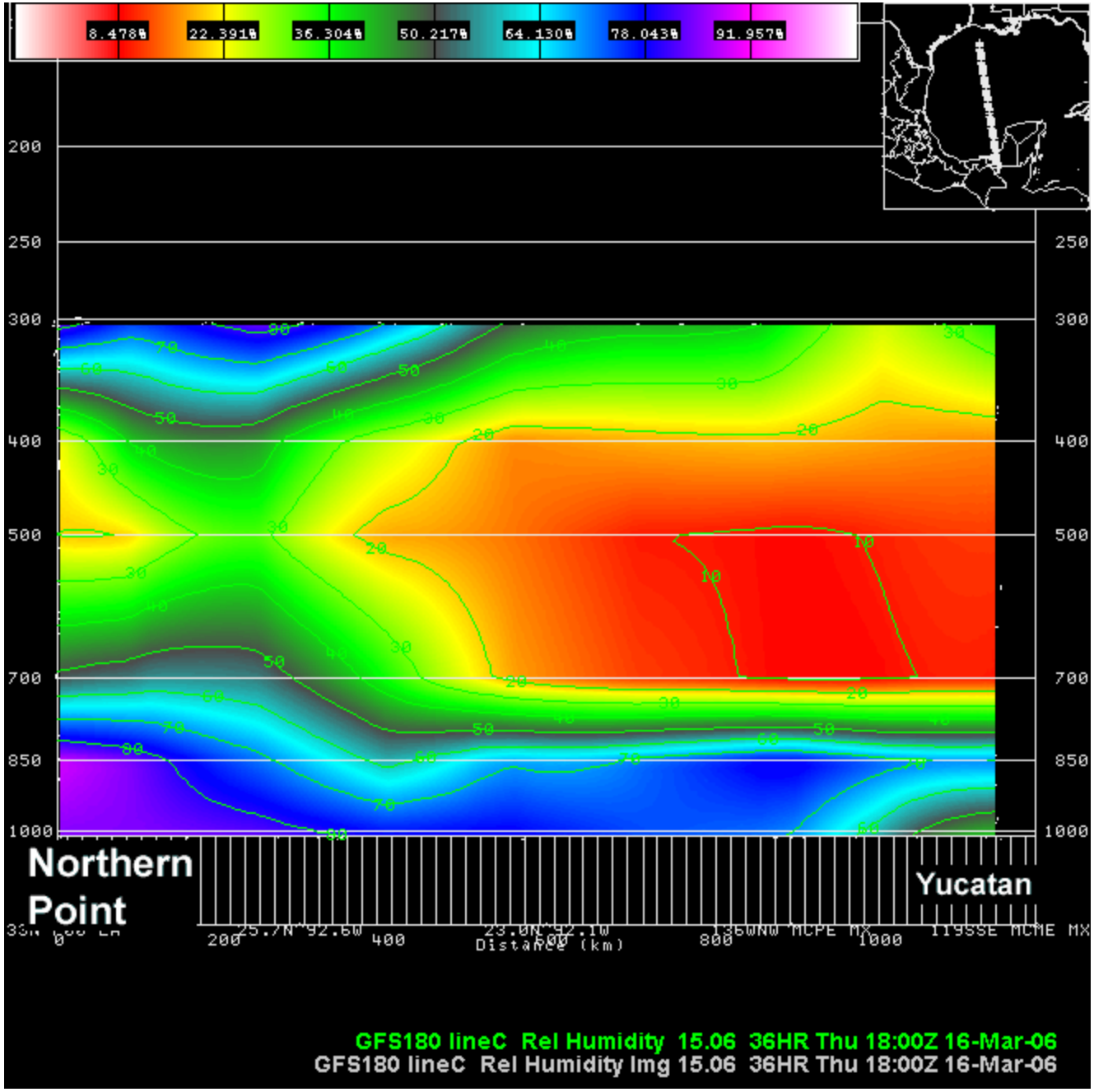
Thurs. Clouds WRF



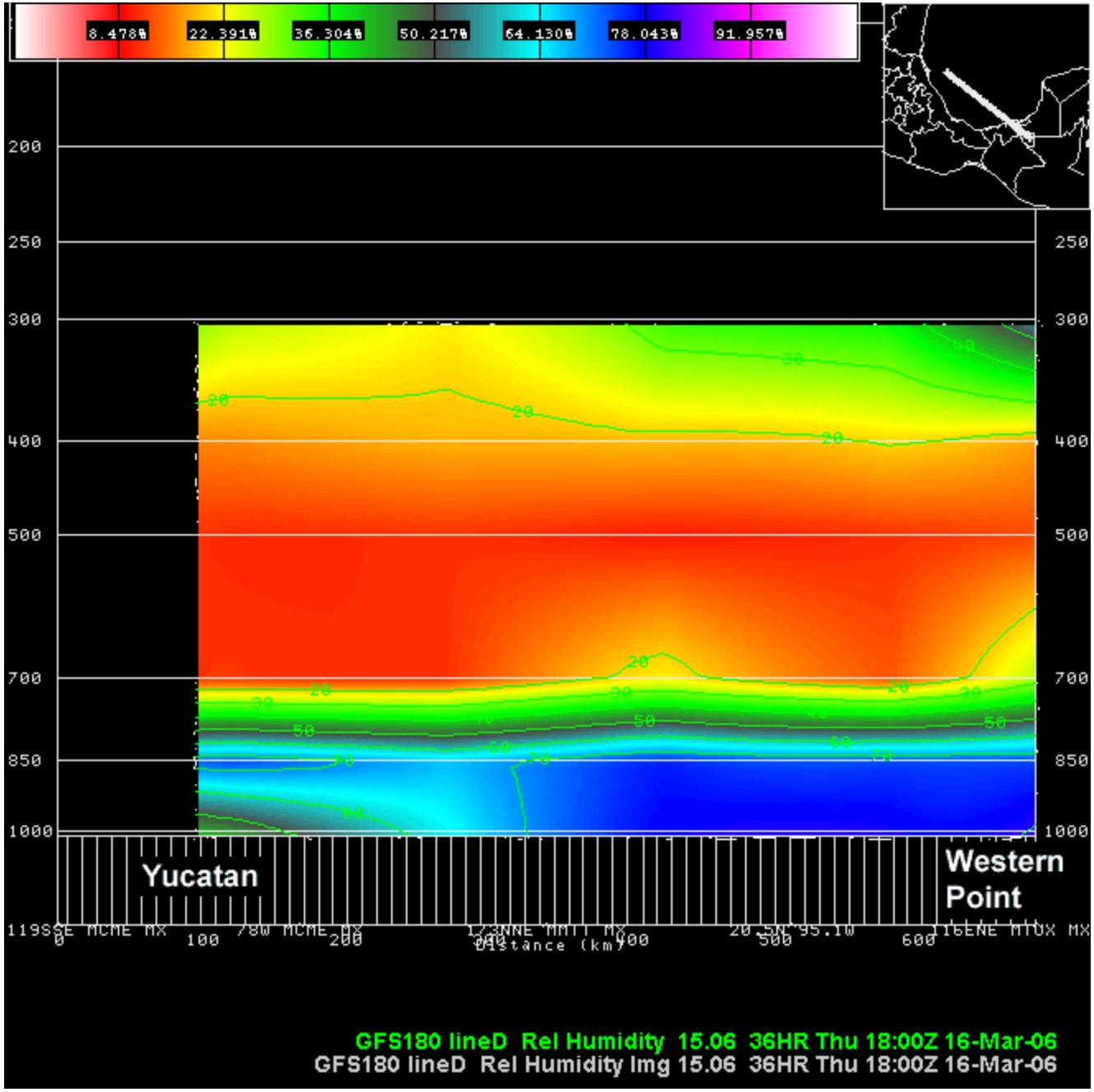
Thurs. Leg 1


8.478%
22.391%
36.304%
50.217%
64.130%
78.043%
91.957%
200
250
300
400
500
700
850
1000
Houston
Eastern Point
Distance (km)
0
50
100
150
200
250
300
GFS180 lineA Rel Humidity 15.06 36HR Thu 18:00Z 16-Mar-06
GFS180 lineA Rel Humidity Img 15.06 36HR Thu 18:00Z 16-Mar-06

Thurs. Leg 2


8.478%
22.391%
36.304%
50.217%
64.130%
78.043%
91.957%
200
250
300
400
500
700
850
1000
Northern Point
Yucatan
Distance (km)
GFS180 lineC Rel Humidity 15.06 36HR Thu 18:00Z 16-Mar-06
GFS180 lineC Rel Humidity Img 15.06 36HR Thu 18:00Z 16-Mar-06

Thurs. Leg 3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50.217%
64.130%
78.043%
91.957%
200
250
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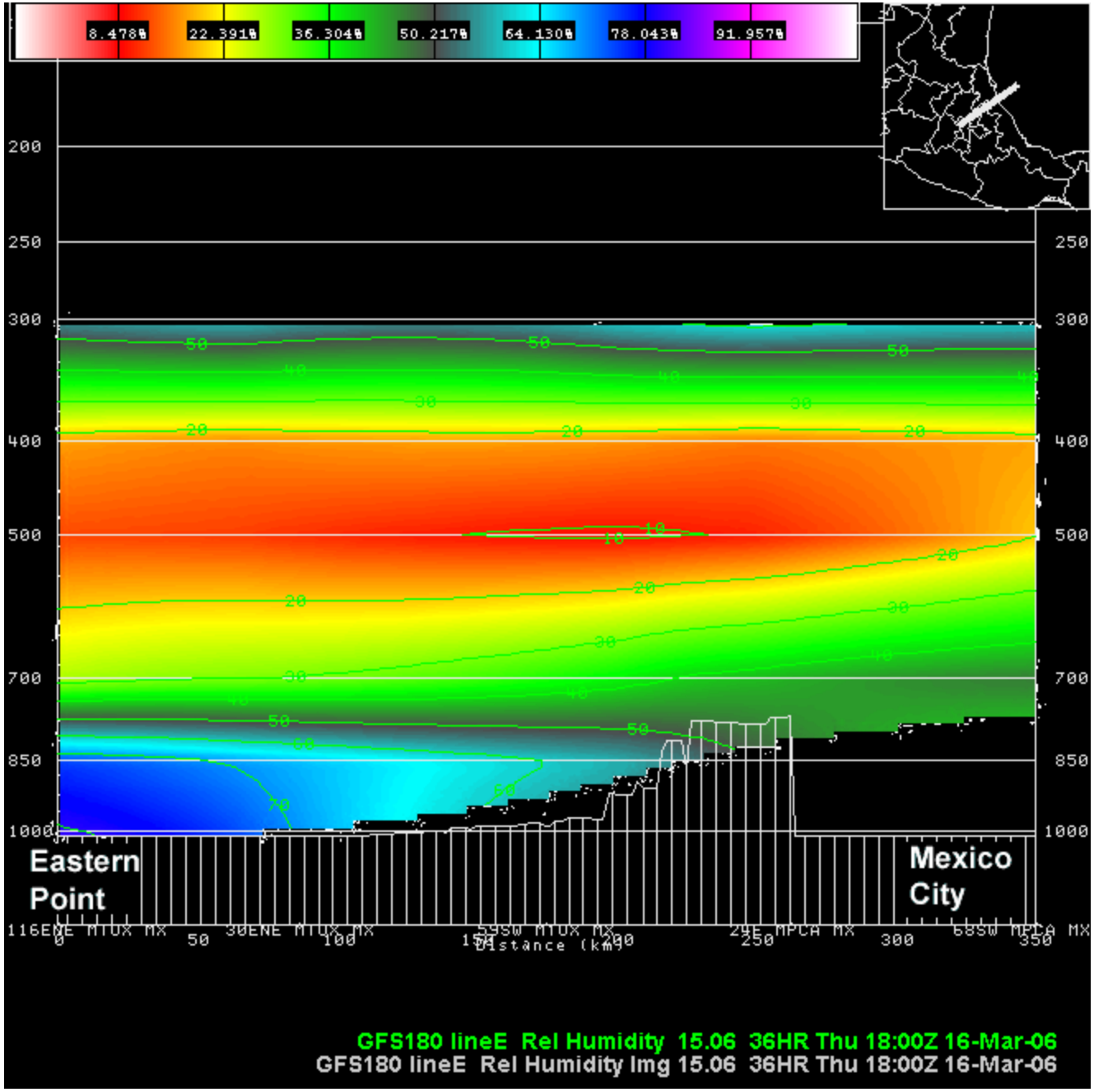
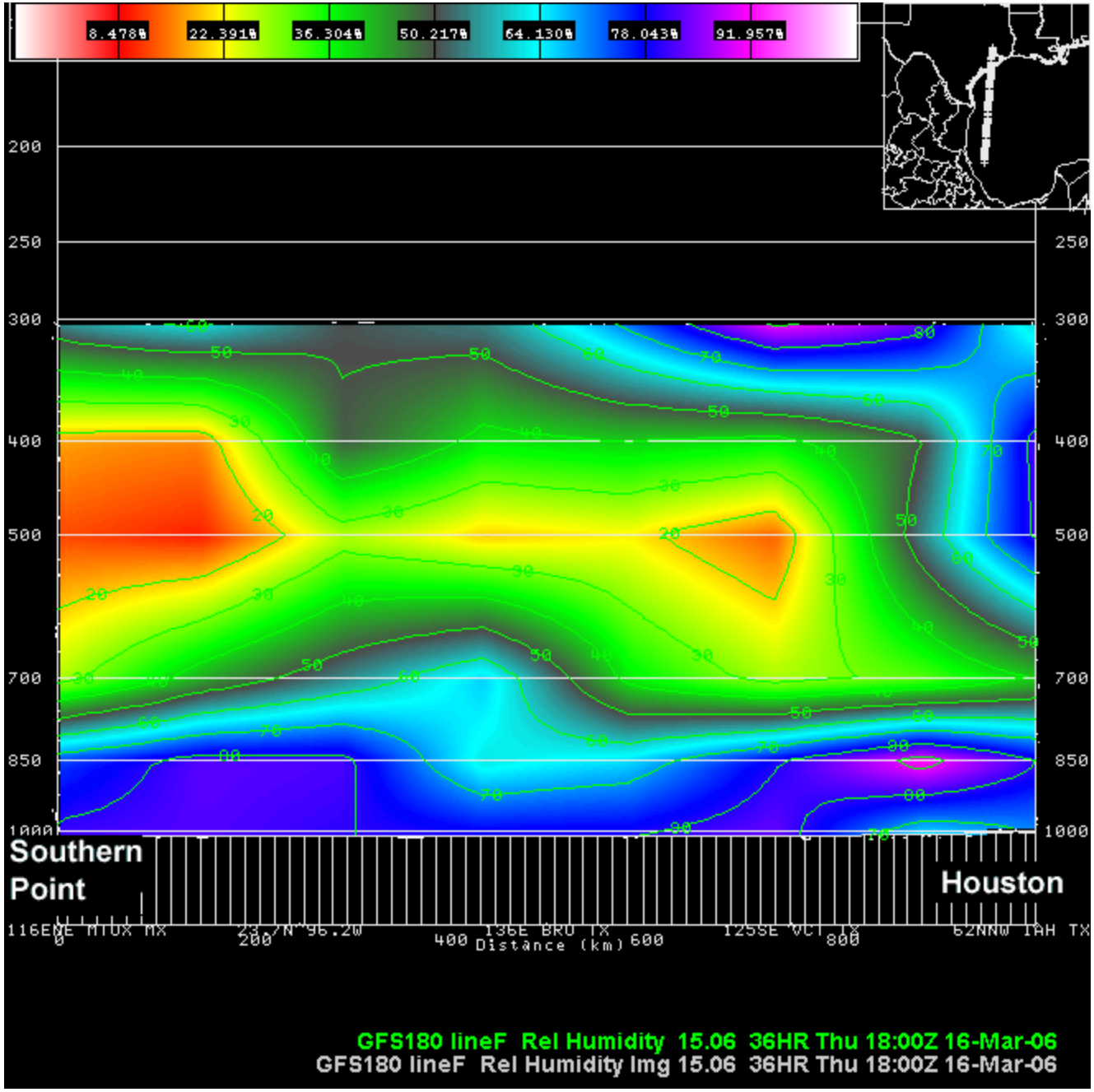
850
1000
Yucatan
Western Point
Distance (km)
GFS180 lineD Rel Humidity 15.06 36HR Thu 18:00Z 16-Mar-06
GFS180 lineD Rel Humidity Img 15.06 36HR Thu 18:00Z 16-Mar-06

Thurs. Leg 4


8.478%
22.391%
36.304%
50.217%
64.130%
78.043%
91.957%
200
250
300
400
500
700
850
1000
Eastern Point
Mexico City
Distance (km)
GFS180 lineE Rel Humidity 15.06 36HR Thu 18:00Z 16-Mar-06
GFS180 lineE Rel Humidity Img 15.06 36HR Thu 18:00Z 16-Mar-06

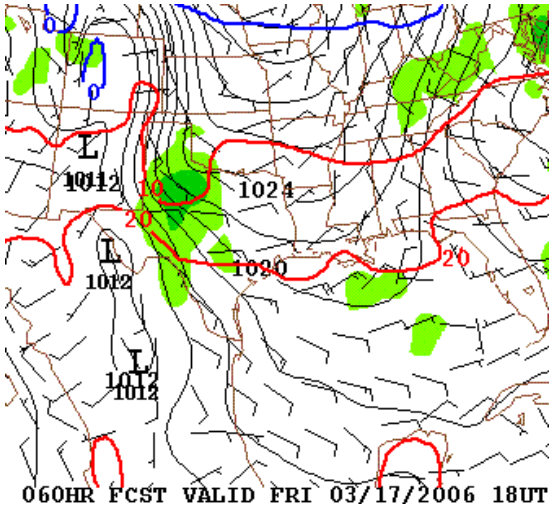
Thurs. Leg 5


8.478%
22.391%
36.304%
50.217%
64.130%
78.043%
91.957%
200
250
300
400
500
700
850
1000
Southern Point
Houston
Distance (km)
GFS180 lineF Rel Humidity 15.06 36HR Thu 18:00Z 16-Mar-06
GFS180 lineF Rel Humidity Img 15.06 36HR Thu 18:00Z 16-Mar-06

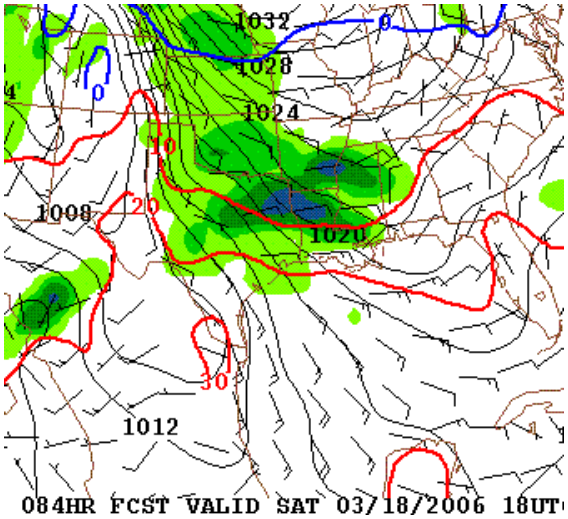
Friday - Sunday Forecasts

17 - 19 March 2006

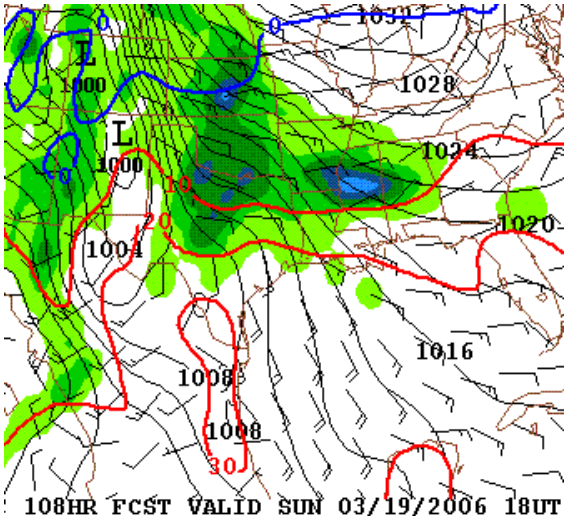
Surface Forecasts



Friday

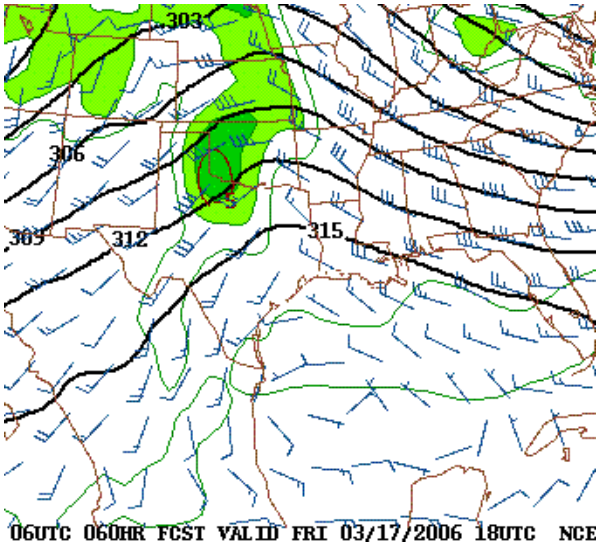


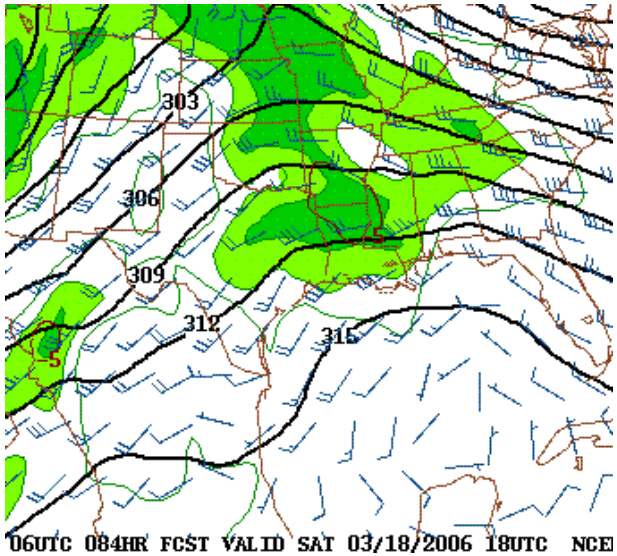
Saturday

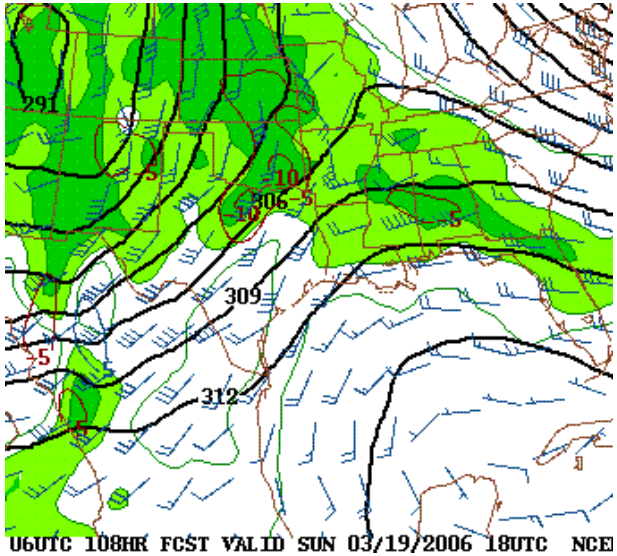


Sunday

700 mb Forecasts

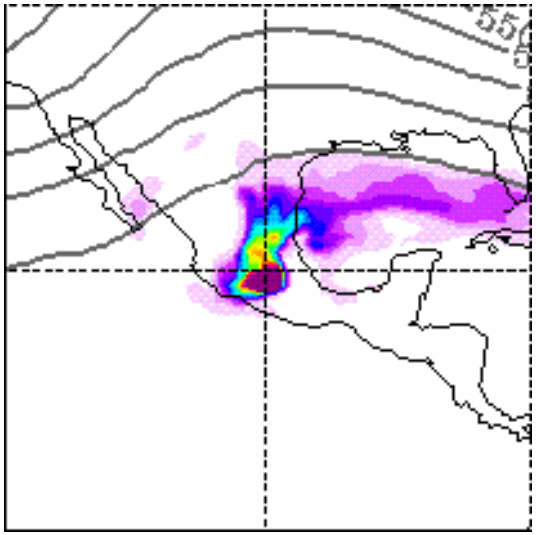




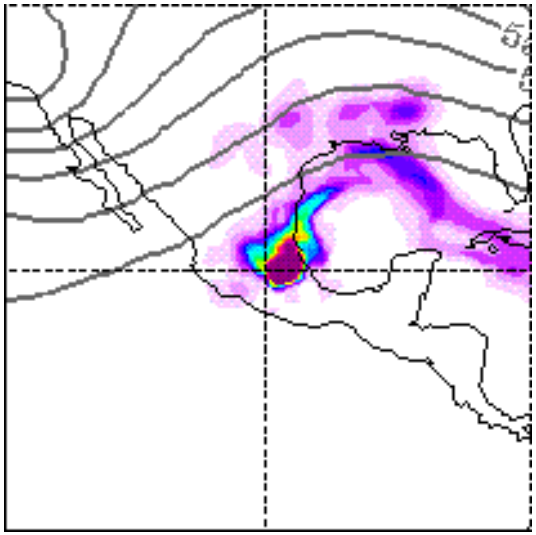


Friday **Saturday** **Sunday**

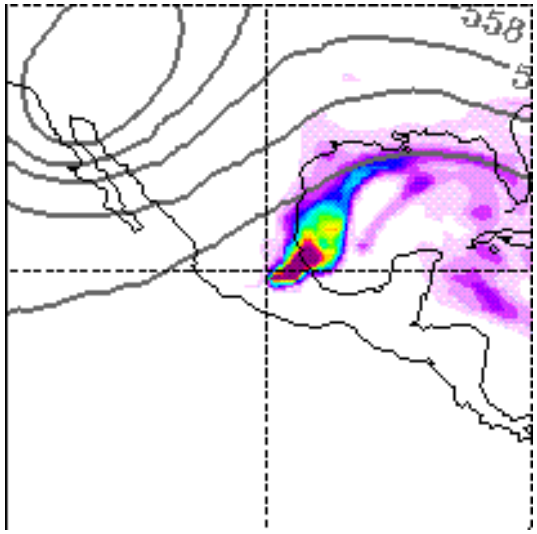
Flexpart Forecasts



Friday

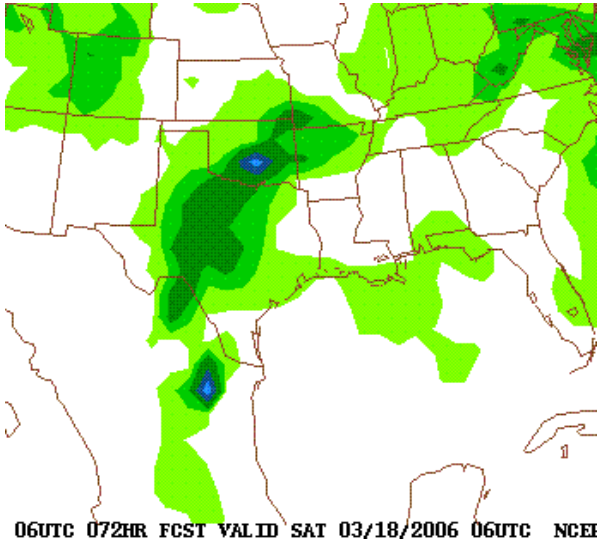


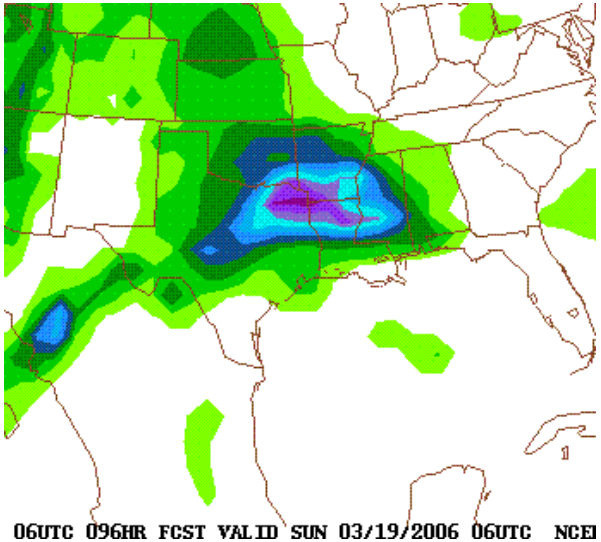
Saturday

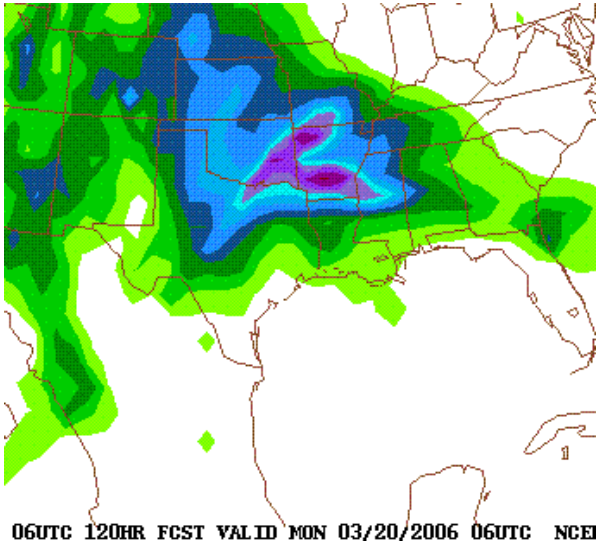


Sunday

Extended Precipitation Forecasts

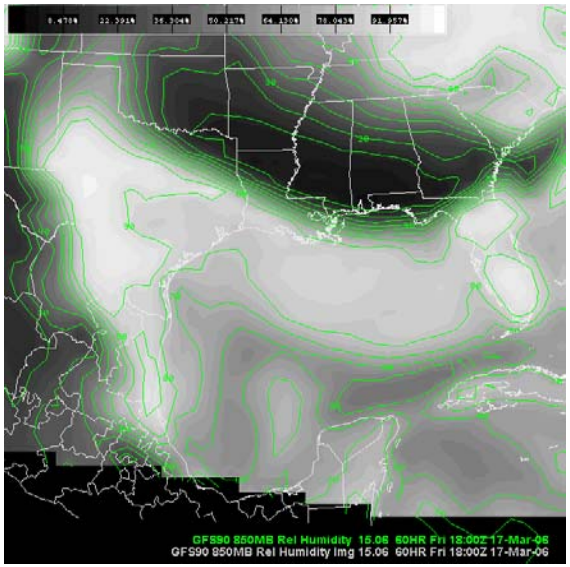




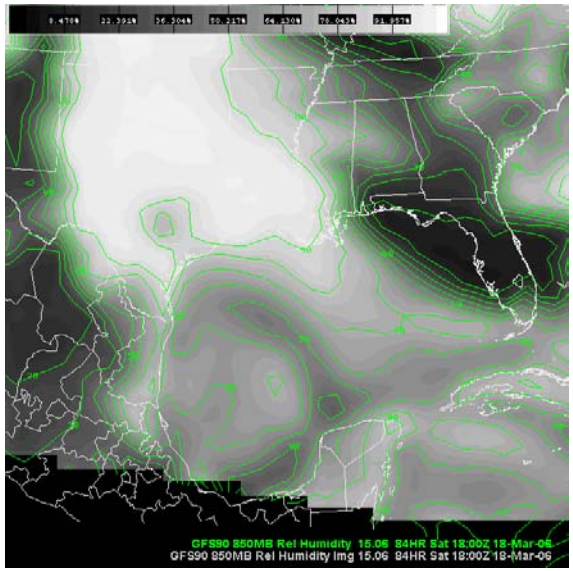


Friday **Saturday** **Sunday**

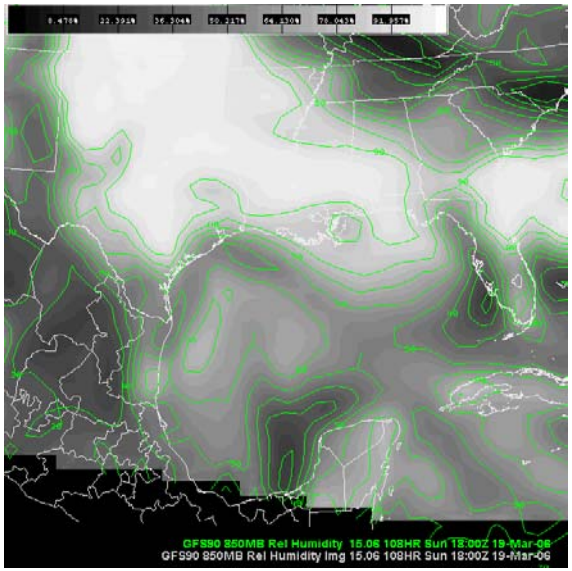
Low-Level Cloud Forecasts



Friday

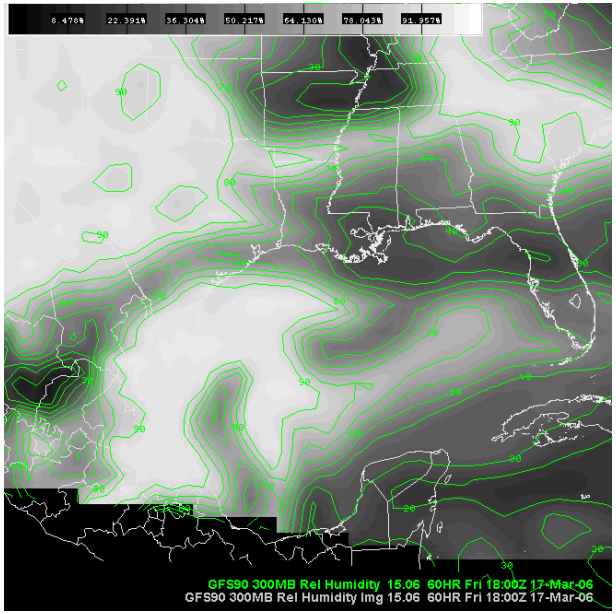


Saturday

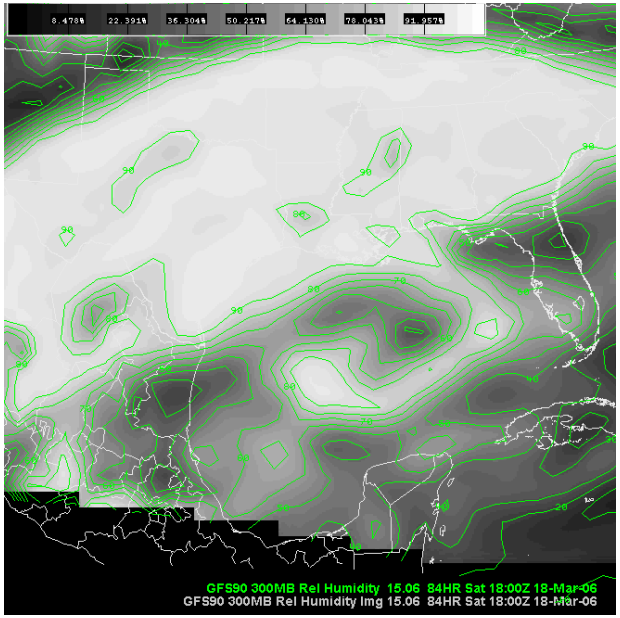


Sunday

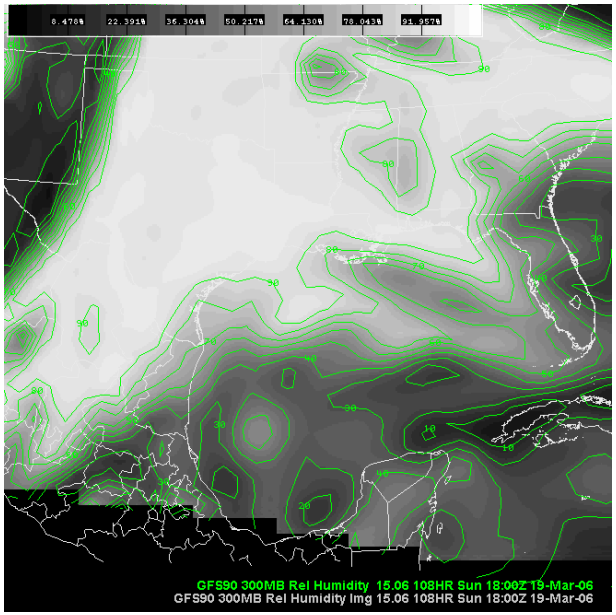
High-Level Cloud Forecasts



Friday



Saturday



Sunday

Fuelberg Lab

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