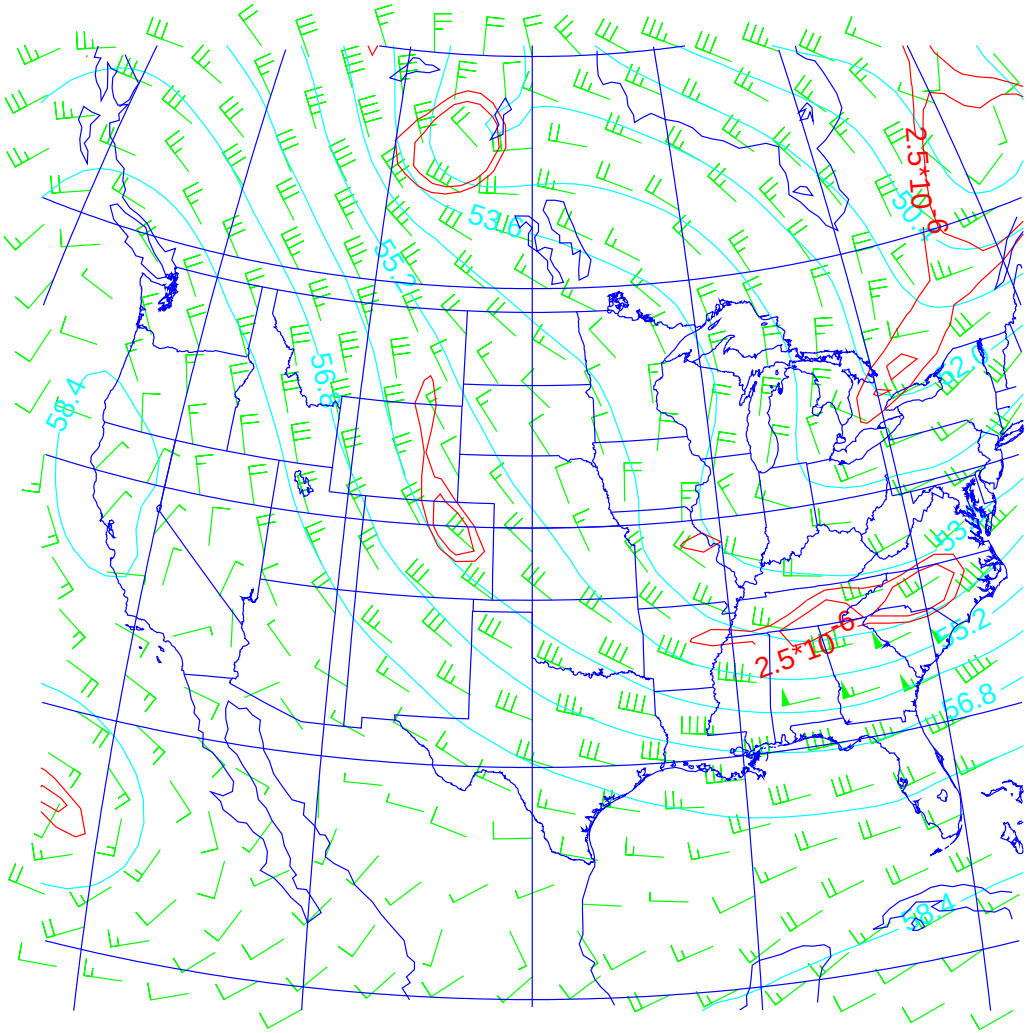
1. Finding stratospheric air in troposphere

2. Using forecasts to try to avoid cloudy areas

3. Land cover types

12 UTC on 17 January, 2003 on the 500.0 mb surface

NMC, Grid: GG1X1
Seq: E01, Spec: SSIAVN

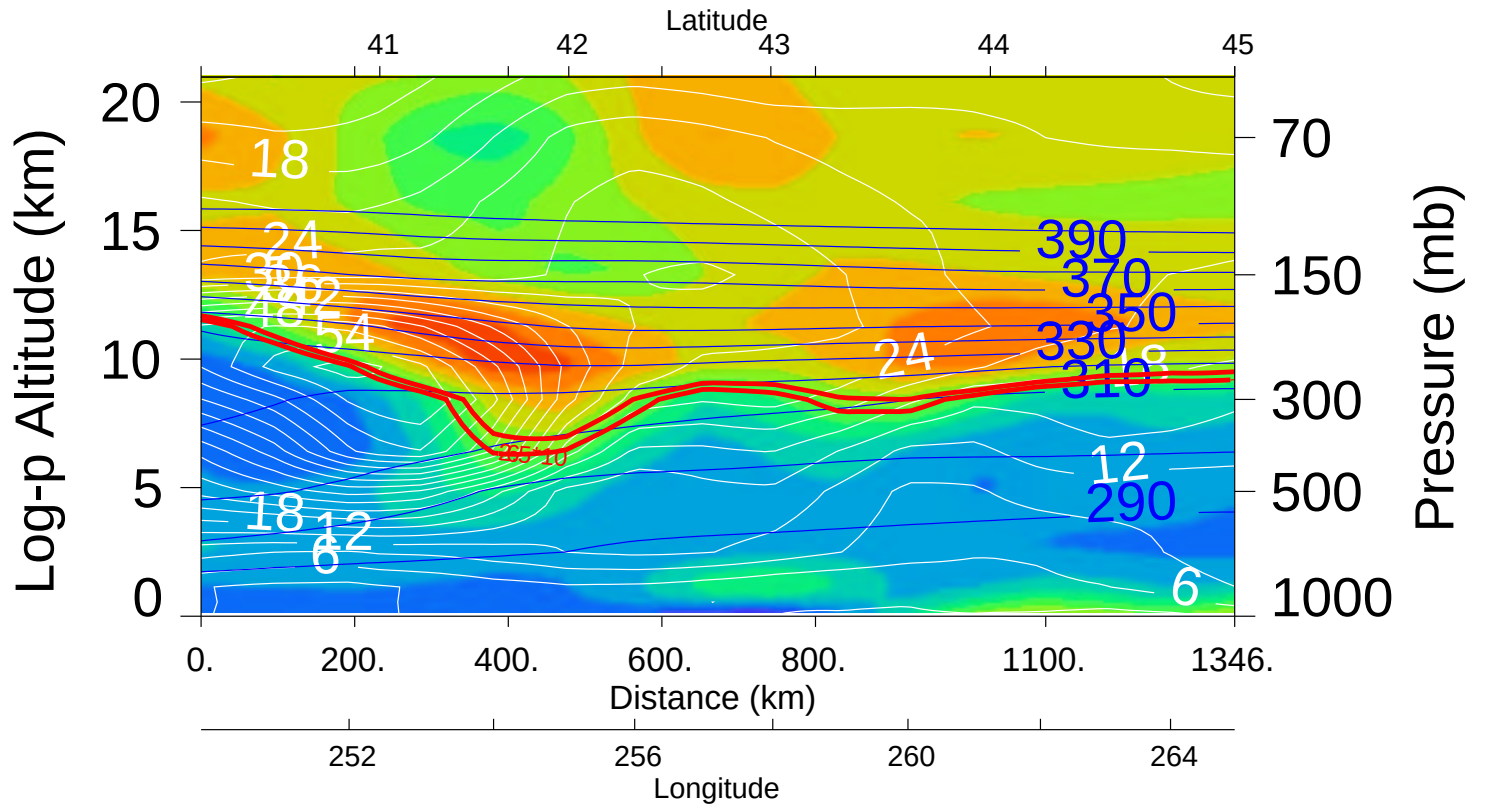


WND2 (m/s)

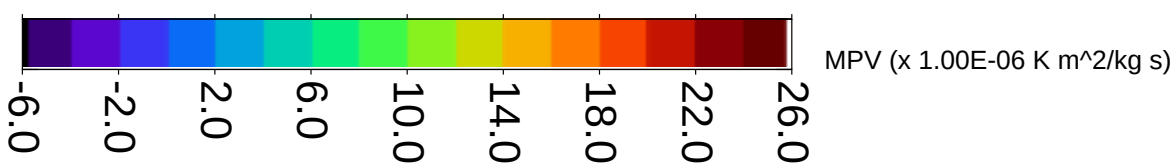
Z (x 1.00E+02 gpm)

EPV (K m^2/kg s) at 400.0 mb

12 UTC on 17 January, 2003



Trans-section
between
110W, 40N and
95W, 45N



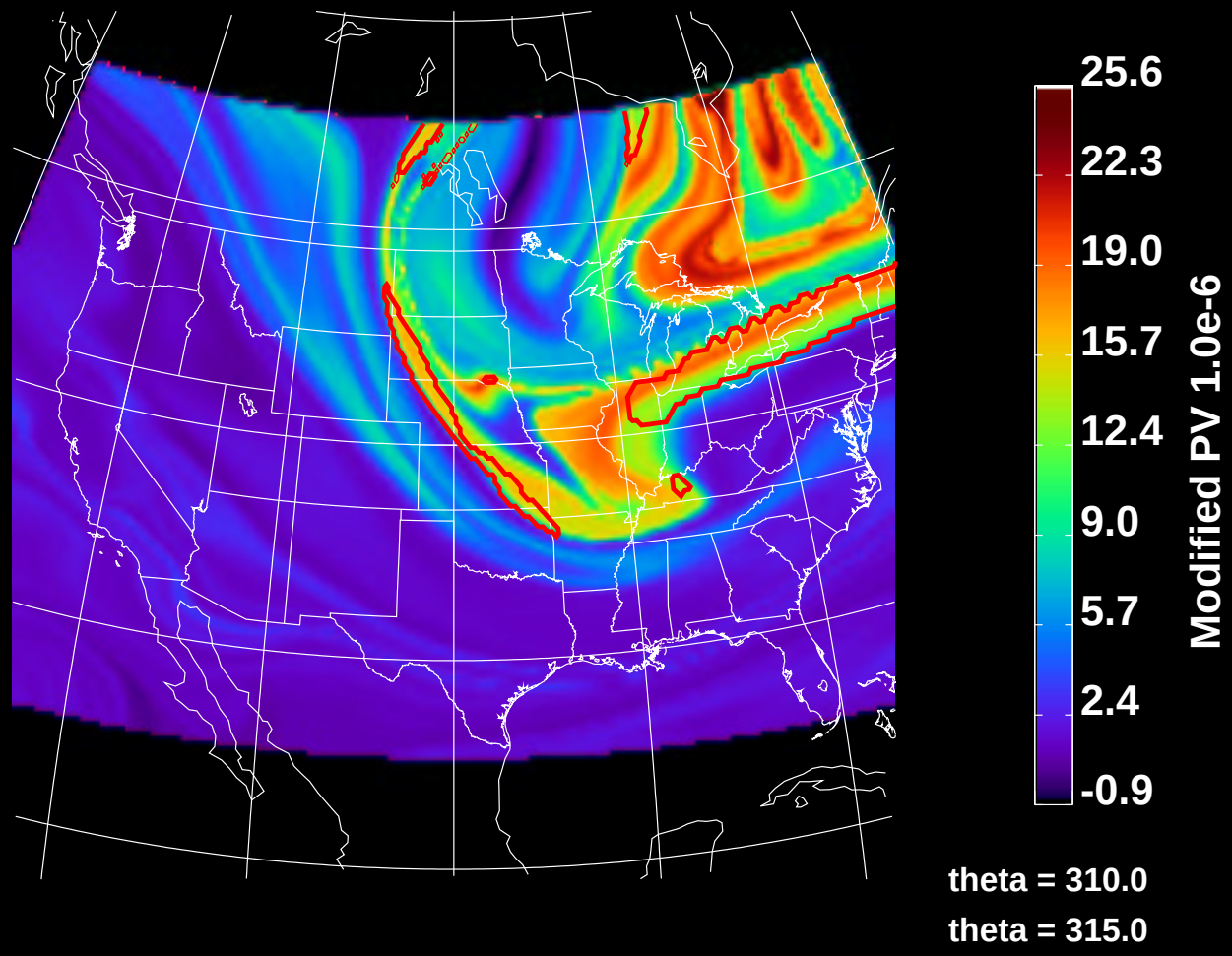
WIND (m/s) POTT (K) EPV (K m^2/kg s)

Thu Nov 6 22:29:27 2003

Traj Start: 12 UTC on 14 January, 2003
Res: 0.25 x 0.25 deg

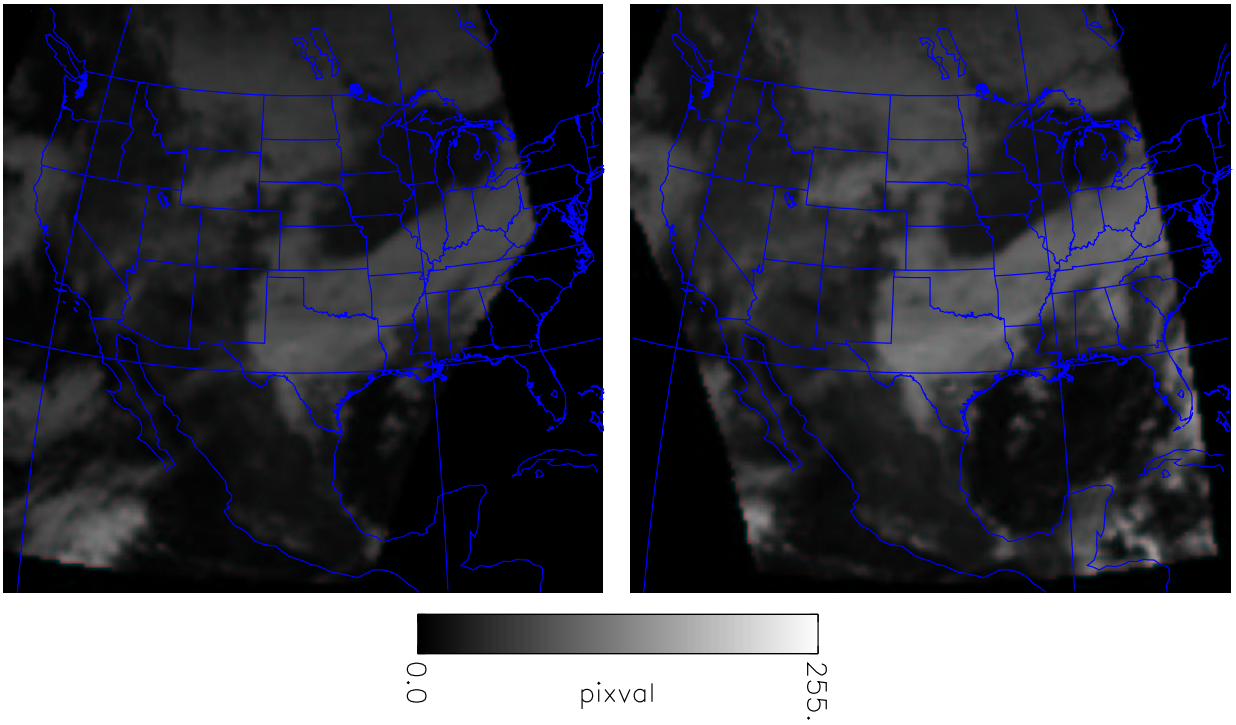
12 UTC on 17 January, 2003 NMC MPV

Image: MPV at 310 K
Red contours:
where air at 315 K was above trop three days ago and is now below.



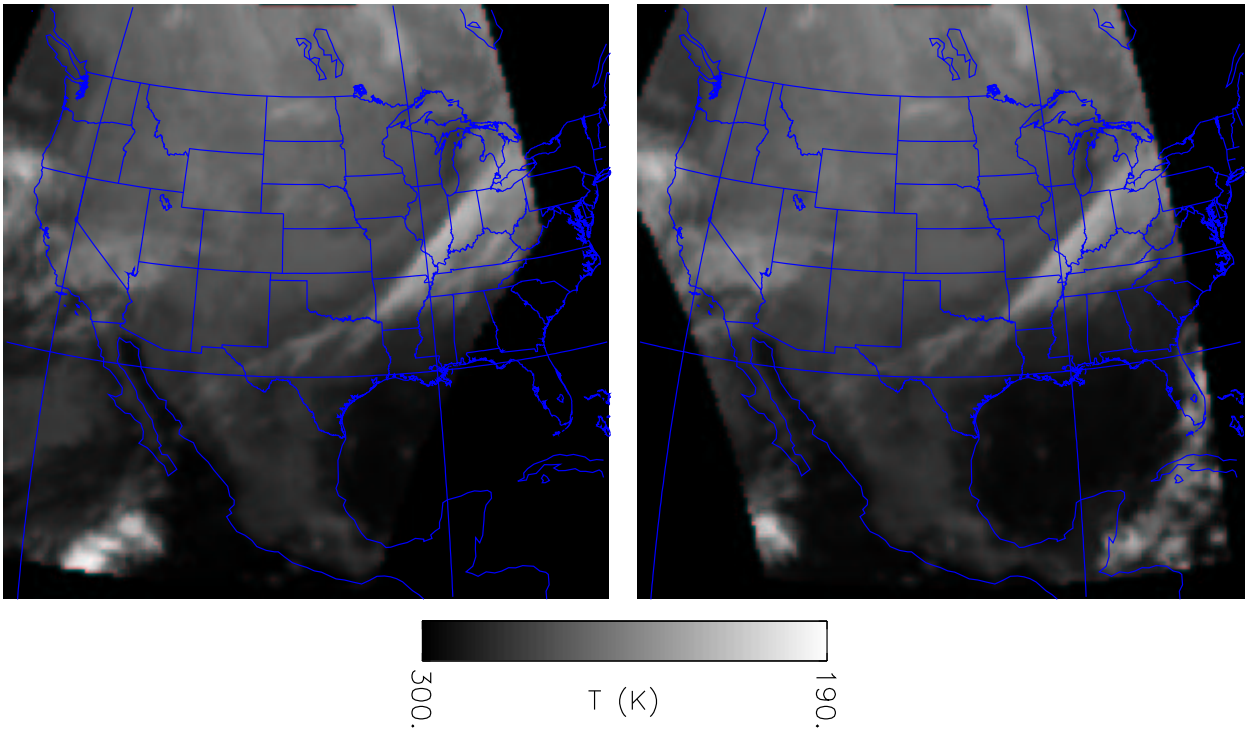
GOES Channel Vis

West: 2003-11-06T18:00 East: 2003-11-06T17:45

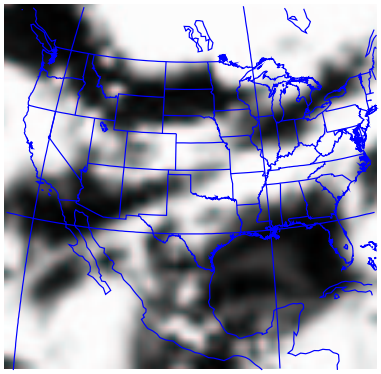


GOES Channel IR2

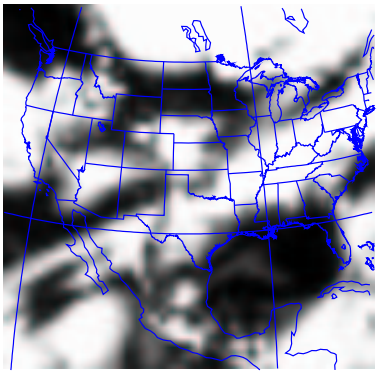
West: 2003-11-06T12:00 East: 2003-11-06T11:45



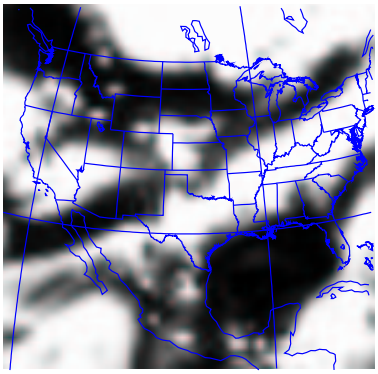
NCEP AVN FCST: 2003-11-06T12



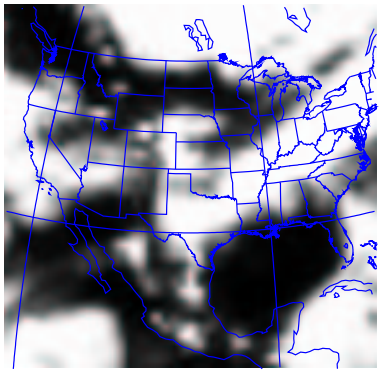
60-hr fcst



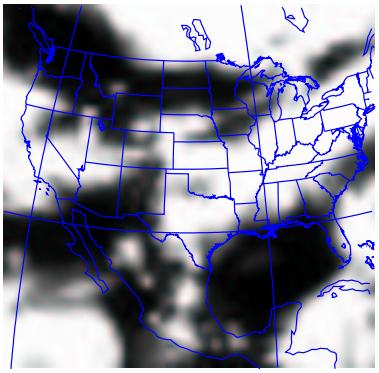
48-hr fcst



36-hr fcst



24-hr fcst

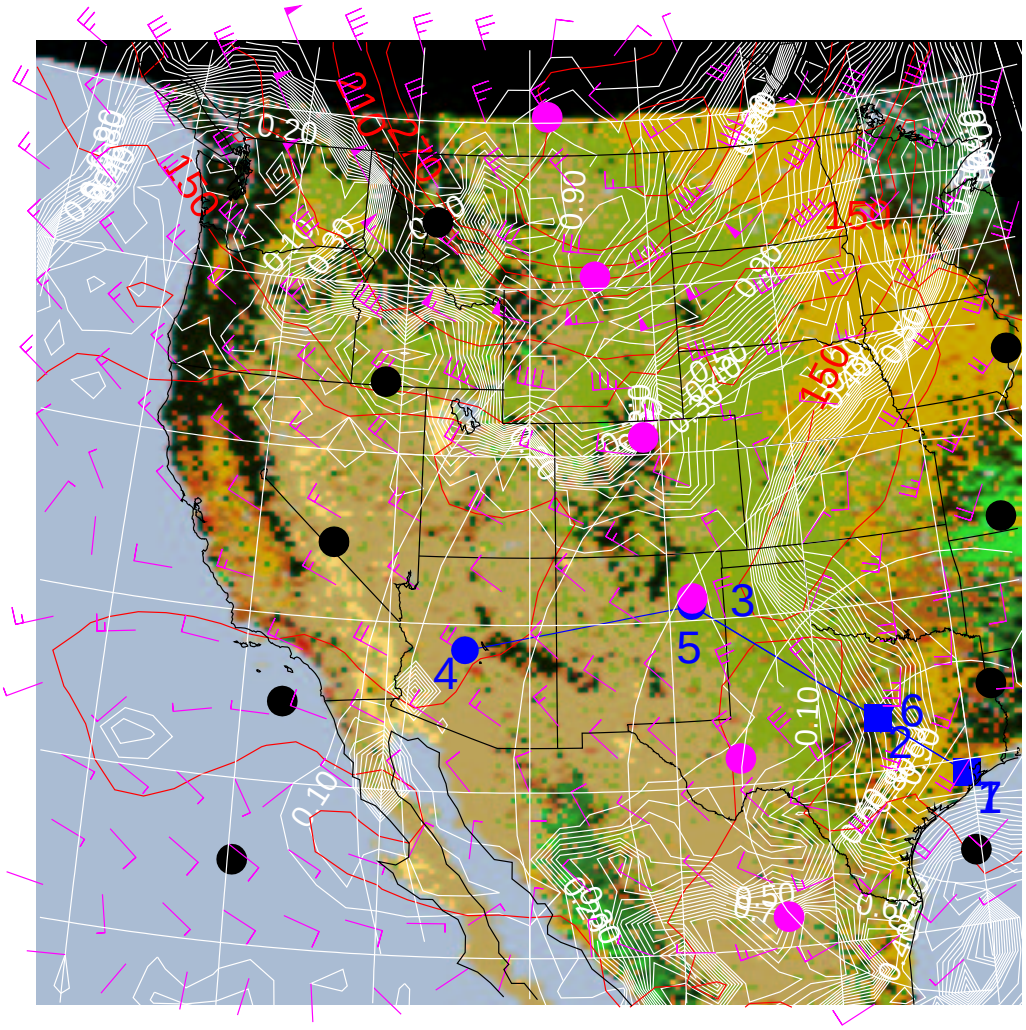


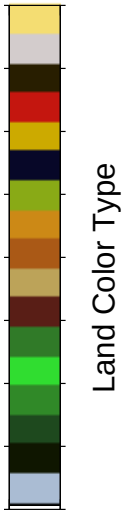
12-hr fcst

Cloudiness fraction forecasts. Compare to GOES imagery. Not very good; gives rough idea only.

00 UTC on 13 September, 2003 on the 350.0 K surface

NMC, Grid: GG1X1
Seq: E01, Spec: AVN170L42
36 hr fcst





WND2 (m/s)

at 300.0 mb

CDFR () PTRP (mb)