How did some models perform vs. RF02?

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• Compare UKMO, ECMWF, NCEP, WRF-Chile
• Focus on 20S section at 15Z 18 Oct. (outbound flight)
• Reality:
  - Sharp PBL top at 900-950 m (~930-940 hPa)
  - Solid Sc E of 78W, thinner/broken at 78-82W
Minnis cloud top pressure retrieval

• ptop too low (850-880 hPa) vs. reality of 920-930 hPa
UKMO (global, 40 km)

- Quite good overall
Both models predict cloud distribution well, including break at ~80W.
ECMWF (global, 30 km, L90)

Inversion is sharp and at correct height. Max LWC is reasonable. Not much thinning at 80W compared to other lons.
NCEP (global, 100 km, L64)

- What stratocumulus?
Inversion is highly diffuse (50 hPa thick)