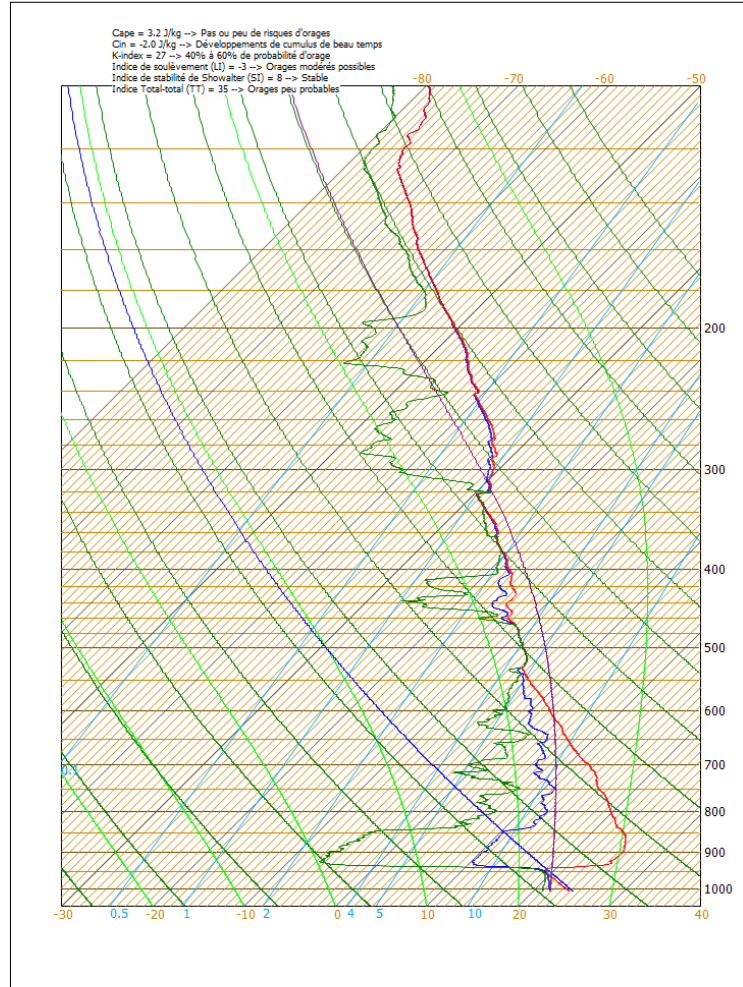


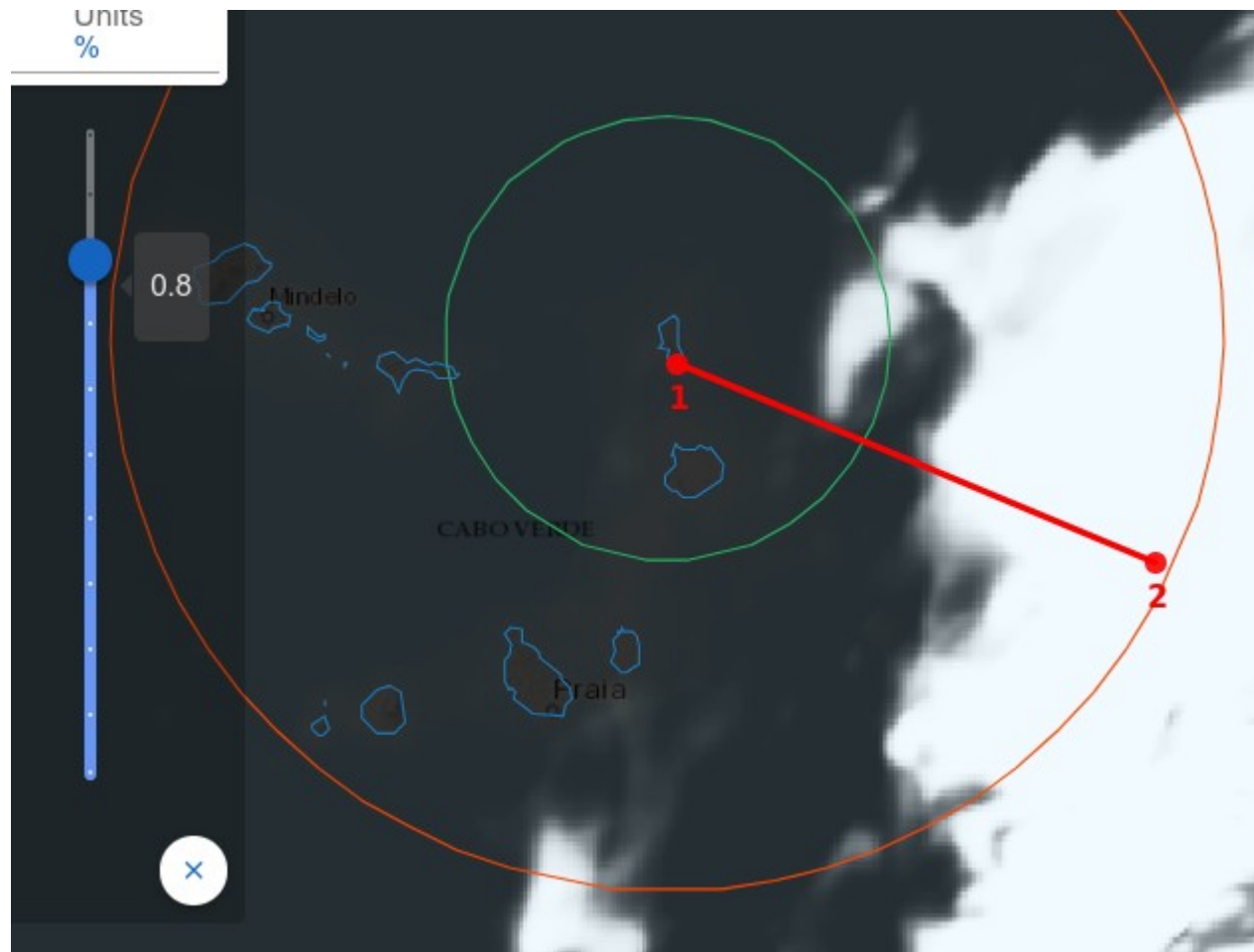
Emagramme761



Données sol: 1005.2 hPa Altitude: 54m
Max altitude: 23590m Ascension: 4.9m/s Duration: 81 minutes
25/08/24 04:37:01

this morning
@ 06UTC

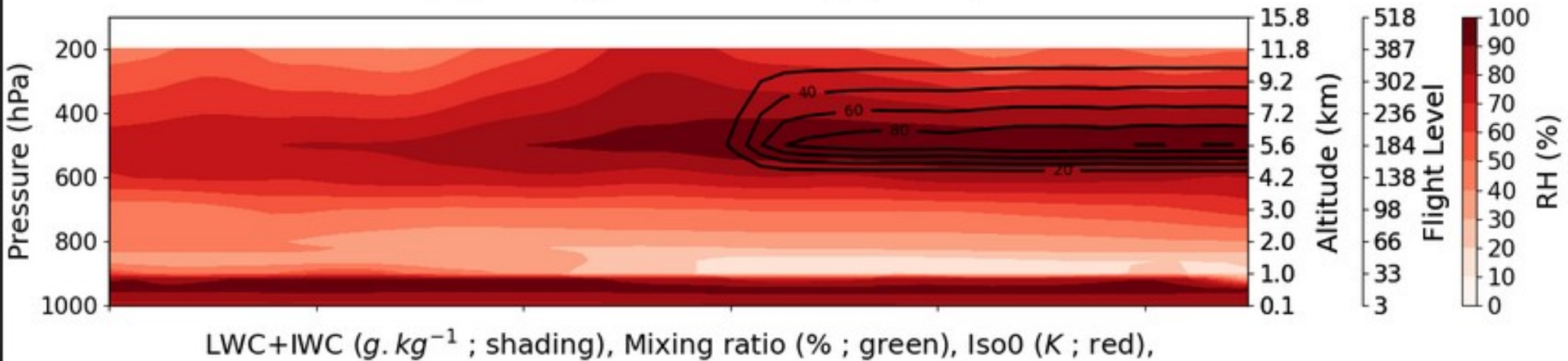
Mid cloud Sunday 25th 21UTC



Cross section along ATR flight 21UTC (cloud fraction : black isoline)

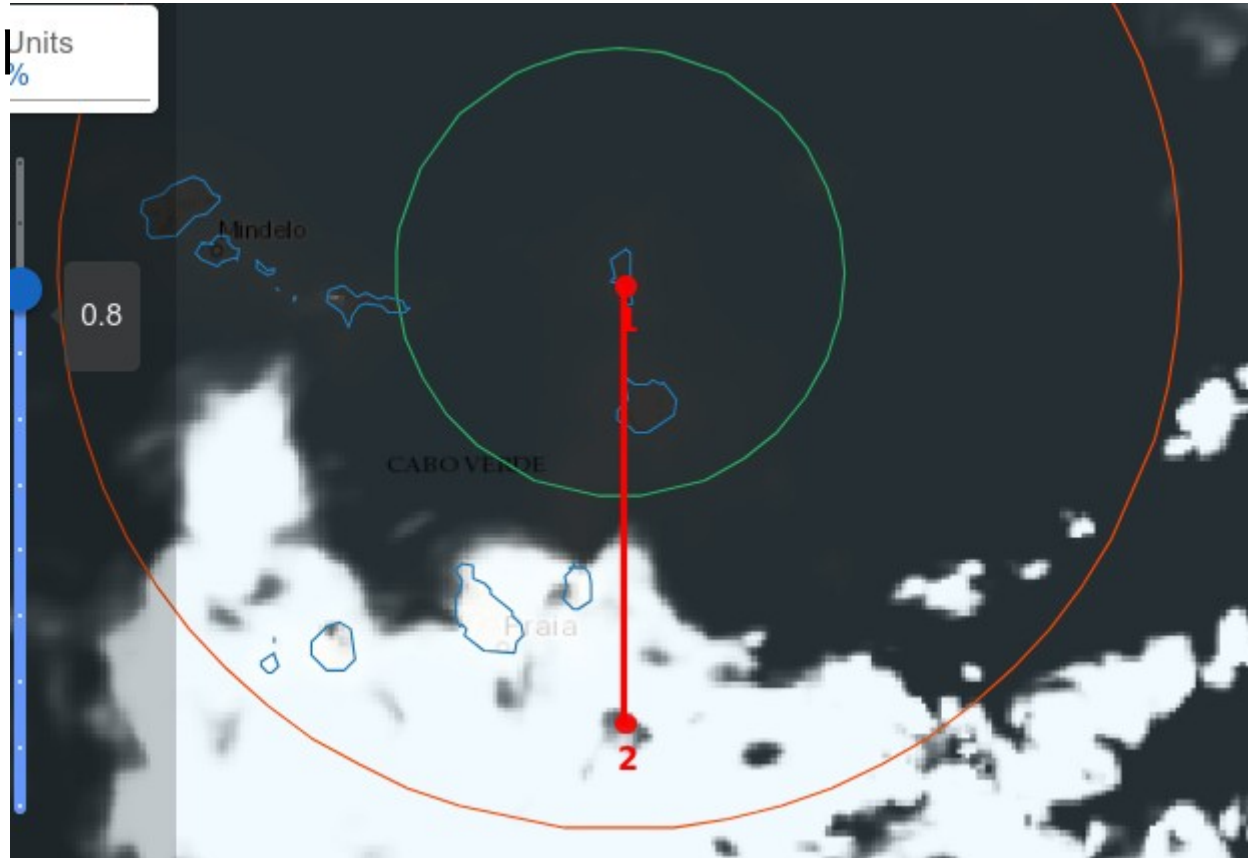
s: 16°37.45"N -22°-54.39"W
A: 15°39.17"N -20°-28.71"W

RH (%) ; shading), Cloud Fraction (%) ; black),



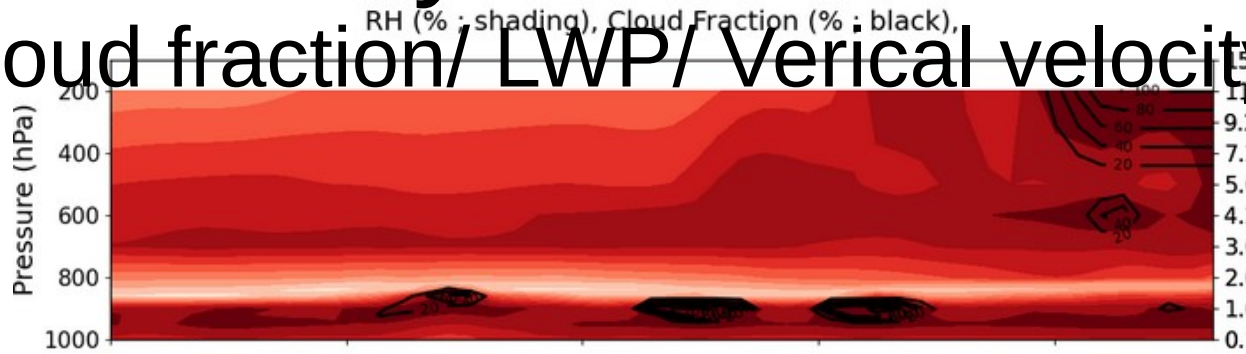
Monday 26th 14 UTC

stream Units
%

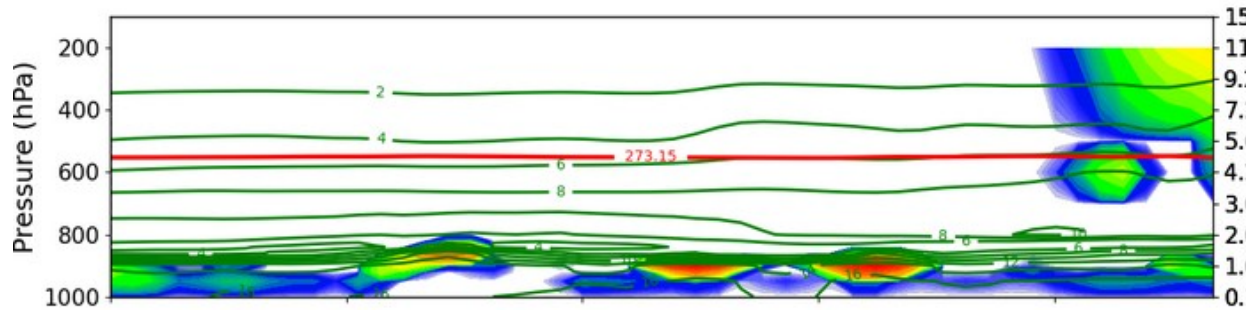


Monday 26th 14 UTC

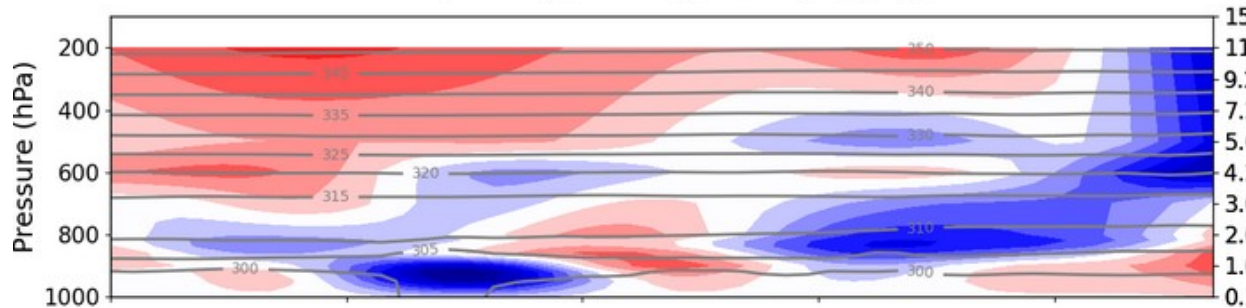
cloud fraction/ LWP/ Vertical velocity



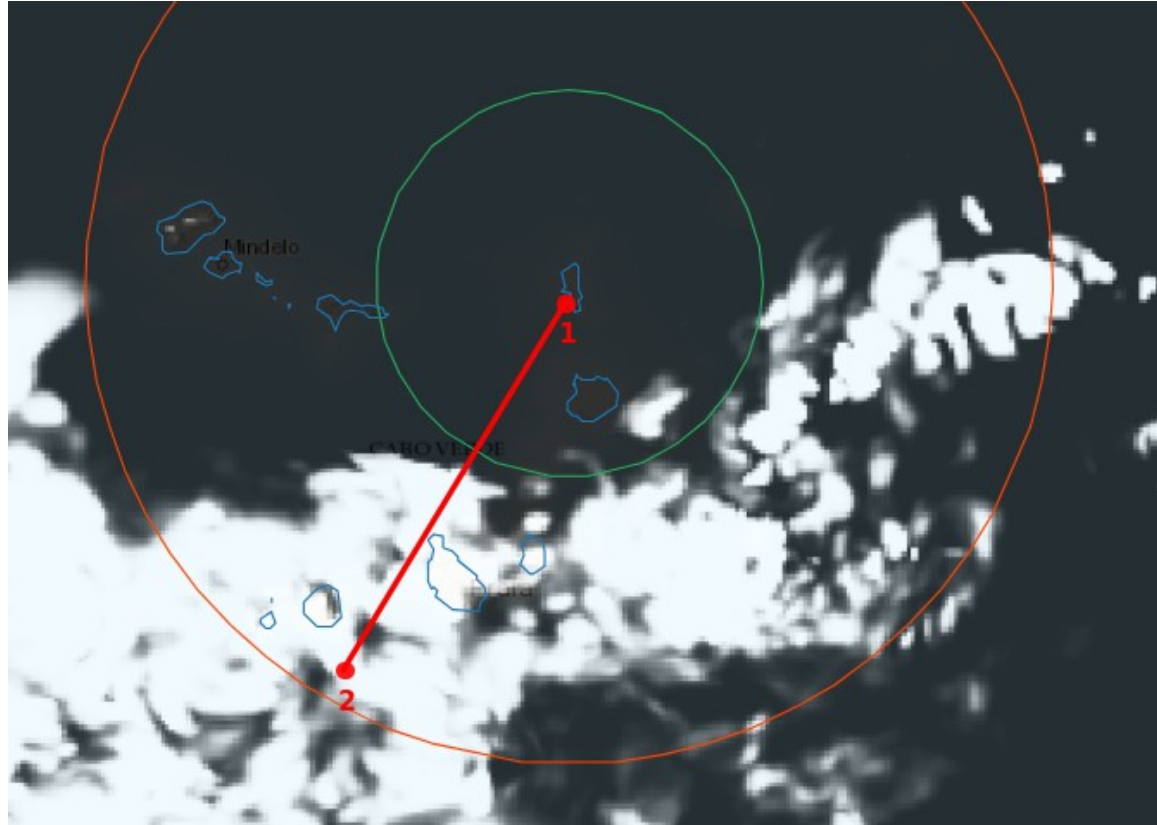
LWC+IWC ($g \cdot kg^{-1}$) : shading, Mixing ratio (%) : green, Iso0 (K) : red,



Wf (hPa/day) : shading, Theta (K) : grey,



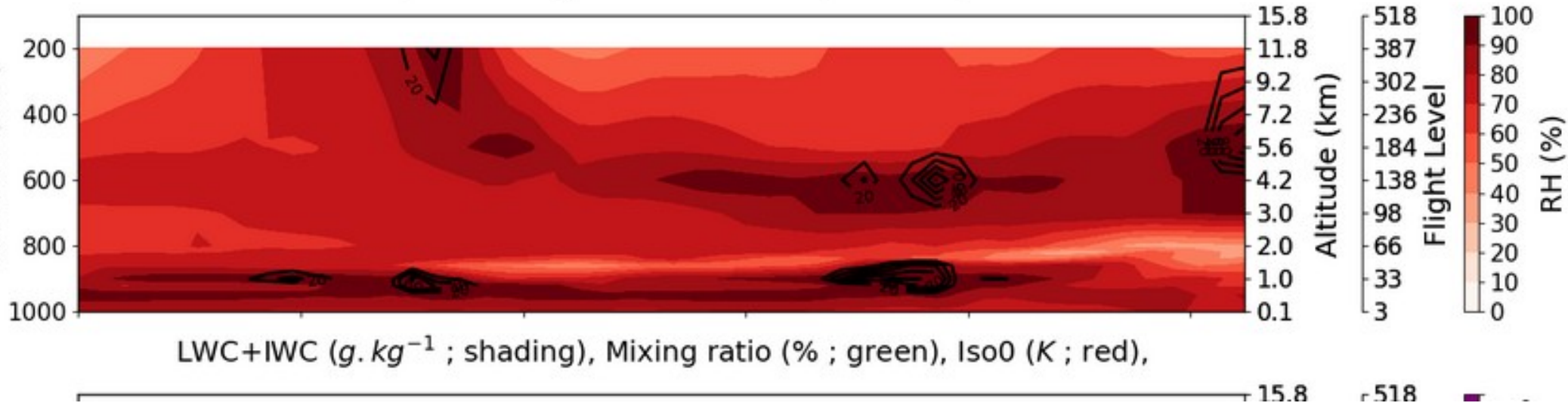
Monday 26th 20 UTC



Monday 26th 20 UTC (cloud fraction in black isoline)

A: 14°34.22"N -24°-16.13"W

RH (%) ; shading), Cloud Fraction (%) ; black),



Summary

Sunday 25 th : moist layer between 600-200 hPa ahead the trough eastwards of SAL island

Monday 26 th 1rst ATR flifgt: deep convection southwards of SAL (next to Praia Island)

Monday 26th 2nd flight : remaining of convection (cumulus congestus ?) southweswards of SAL

27 th and 28th 29th 30 th: behind the trough : shallow convection with stratocumulus and drizzle

1rst september : arrival of new African wave