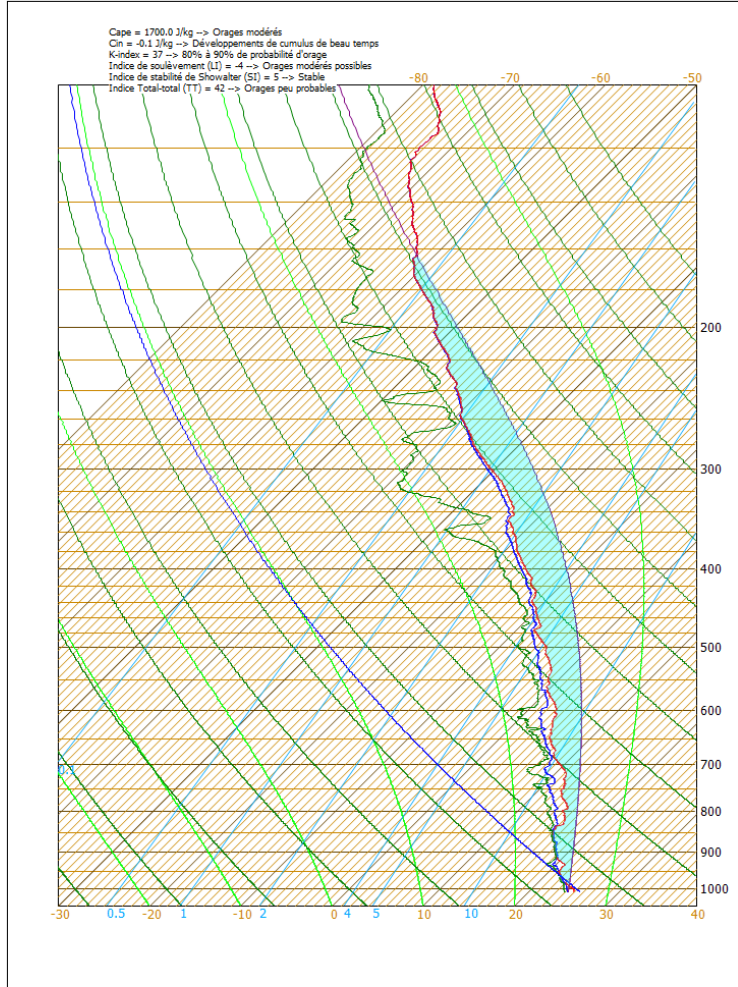


Emagramme761

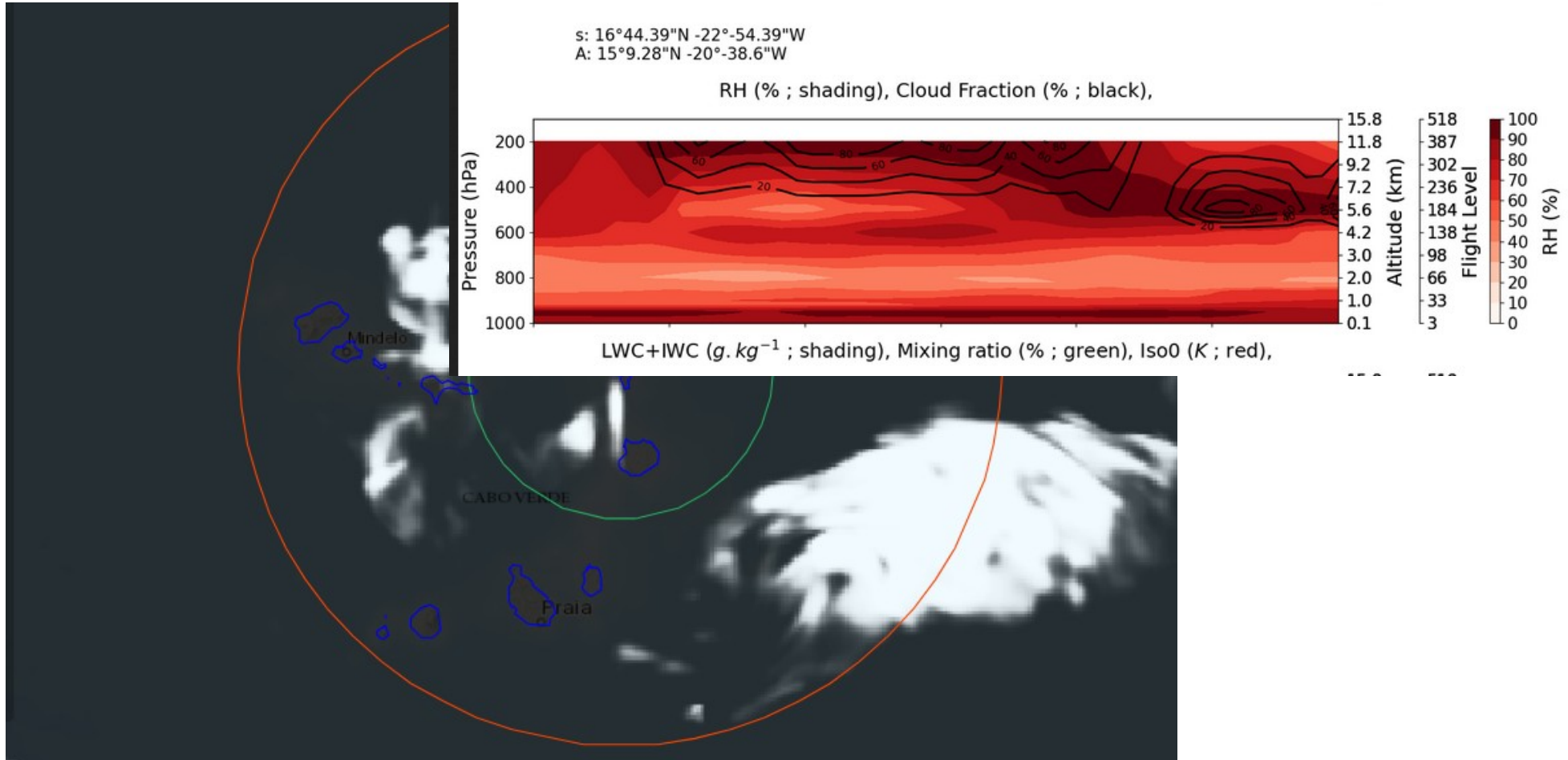


Données sol: 1007.0 hPa Altitude: 54m  
Max altitude: 23509m Ascension: 5.0m/s Duration: 78 minutes  
23/08/24 04:35:49

this morning  
@ 06UTC

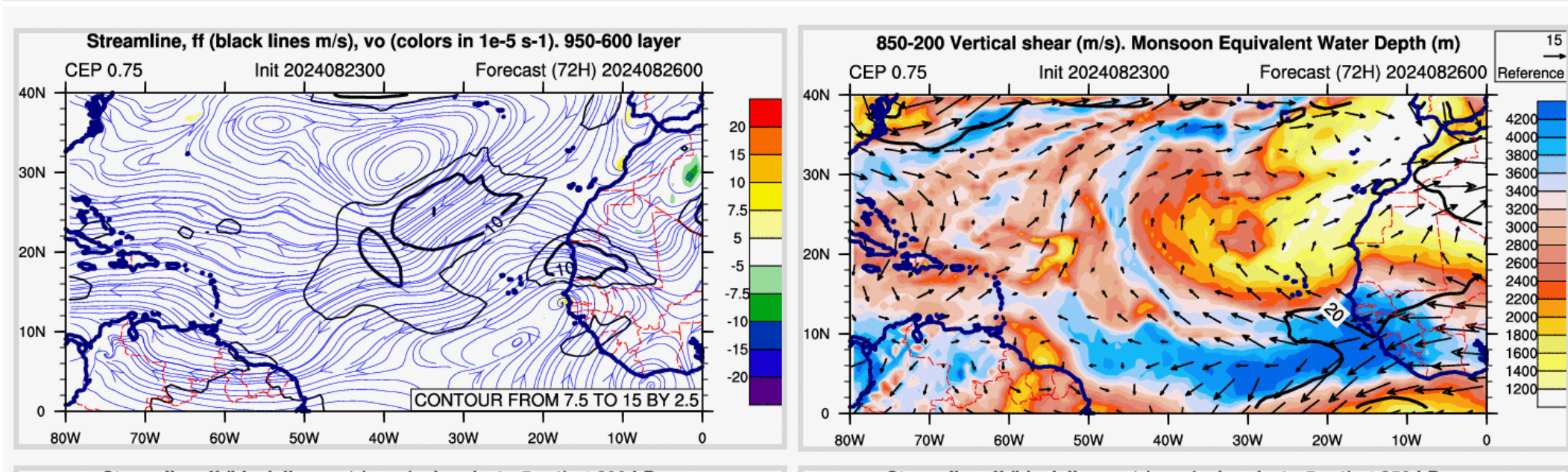
C:\Ecasan\Donat\2024\8240824062306\_1

# Saturday 24th 19UTC



# Monday 26 th 00 UTC

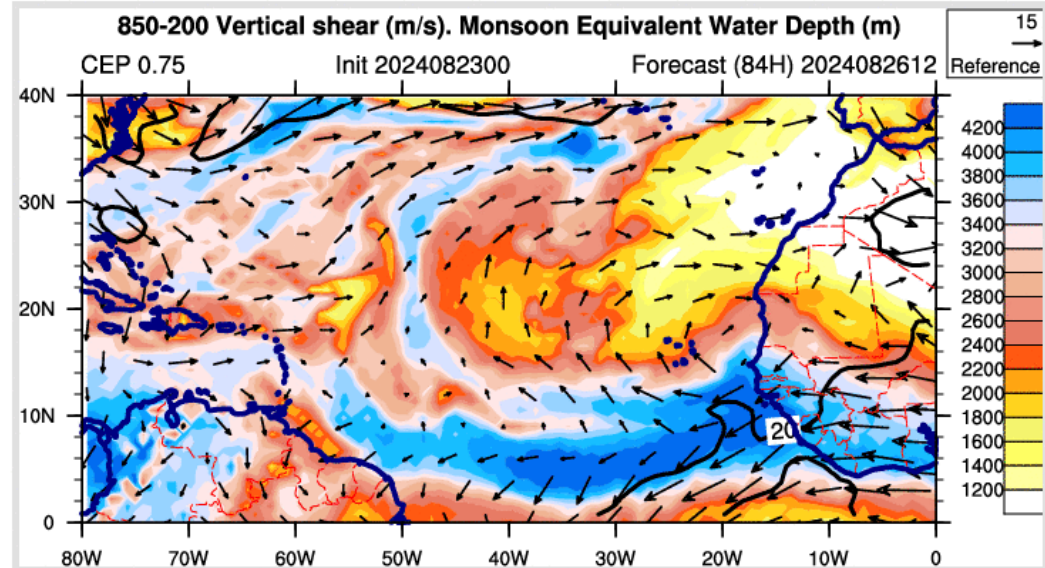
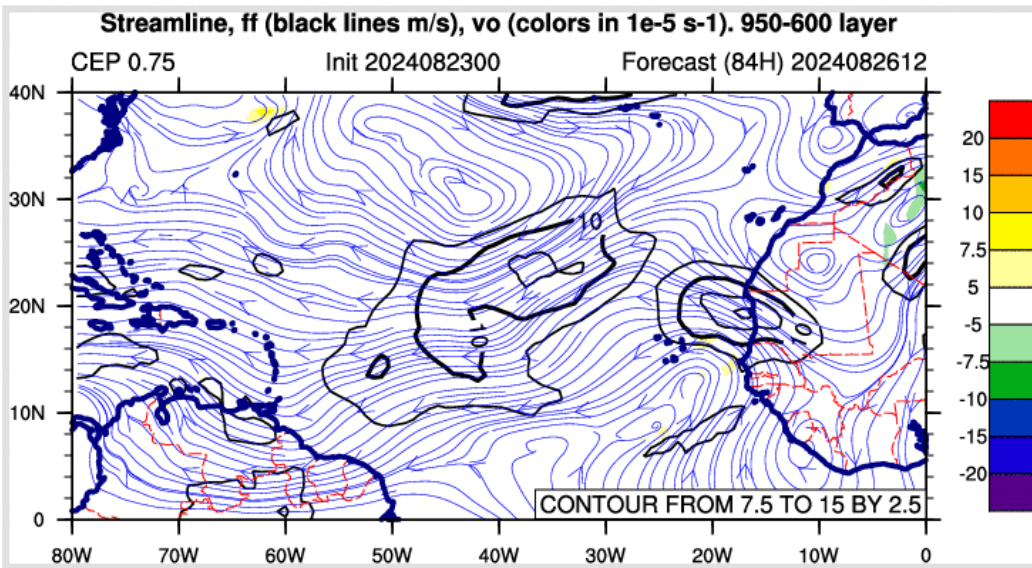
streamline (left), monsoon depth (right)



Sunday evening, ahead the trough of African Wave :  
The later you fly , the more chance you have for deep convection in the southeast quadrant

# Monday 26th 12 UTC

streamline (left), monsoon depth (right)



Monday at 12 UTC, ahead the trough of African Wave :

Ascending motions enhanced → convection

**Passage of the trough @ 16 UTC** : subsiding motion behind →

convection suppressed

# Summary

**Friday 23th** : shallow convection

**Saturday 24 th** : shallow convection (sky clear or few),  
altocumulus eastwards

**Sunday 25 th** : convection enhanced from 20/22 UTC  
in the southeast quadrant

**Monday 26 th** : deep convection in the morning up to  
15/16 UTC in the southeast quadrant... suppressed  
after 16 UTC except perhaps in the southwest quadrant

**Tuesday 27 th** : behind the trough : shallow convection

# Summary

- Earthquake flight to the south:\*  
sky clear at 14 UTC  
altocumulus to the way back at 17 UTC
- Second flight to the southeast :  
cumulus medocris/ congestus and altocumulus  
Deep convection ? No ..

# summary

- 23th-24th : shallow convection (altocumulus on 24th)
- Sunday 25 th : late in the afternoon, Ahead the trough, to the East : favorable conditions to mediocris to deep convection

# Summary

**Background : behind the trough**

**Today 22 august** : flight Earthcare to the south

- at 14 UTC : clear sky

- at 17 UTC : altocumulus to the way back

**Second flight to South-East** : cumulus med/ congestus and altocumulus

**23th and 24th** : shallow convection

**24** : ATR Circle at the margin of active deep convection – core deep convection along the ITCZ westerlies at 10°N , flight on South-Southeastern path advised

- To be confirmed : for now Mid-levels instability with high levels not connected to low levels