

# DRAFT SUMMARY MAESTRO

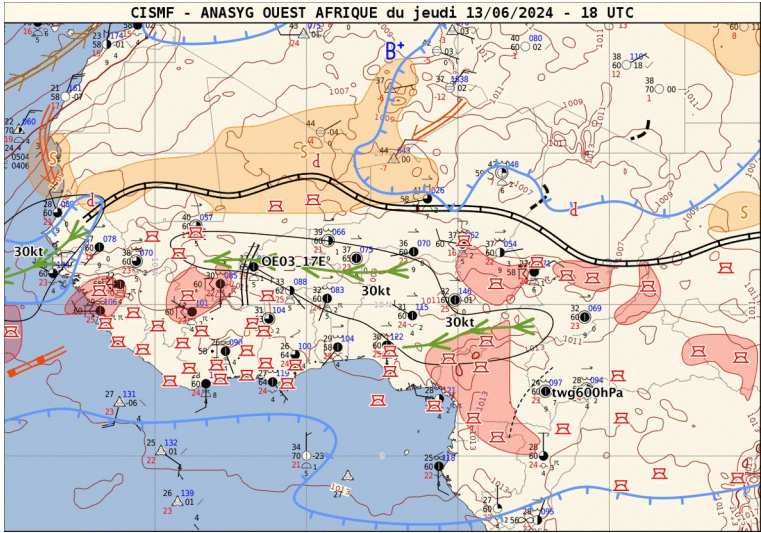
Quatre parties :

- evaluation J-1
- prevision courte échéance J-J+36h
- prevision semaine en cours J-J+7
- prevision long terme ( qq semaines) : mis à jour  
1 fois /semaine

# Situation Day-1

- ANASYG + image sat (retour sur prévi la veille pour apprendre)
- Celui de la DIRAG à récupérer (en cours)
- +Carte PW , MT J-1
- +Carte PW decomposition ondes J-1

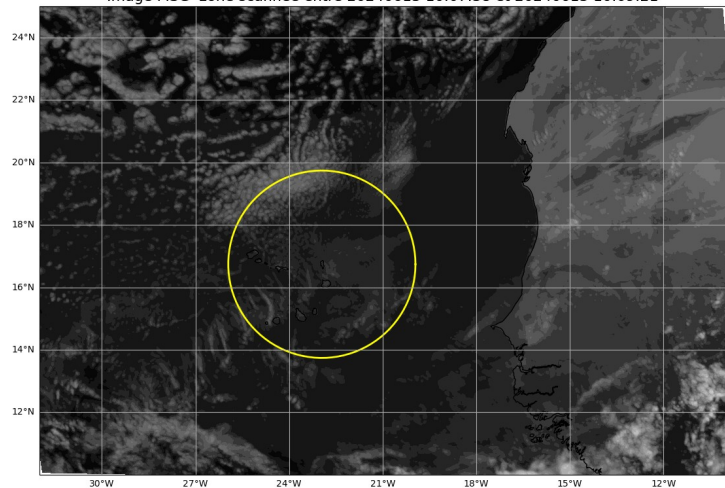
# Anasyg J-1 18h et J 6h



- + anasyg dirag

# Image MSG Visible J-1 10h et 15h

Image MSG zone scannée entre 20240613 10:07:38 et 20240613 10:09:21



reflectance VIS006

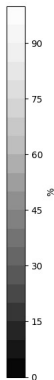
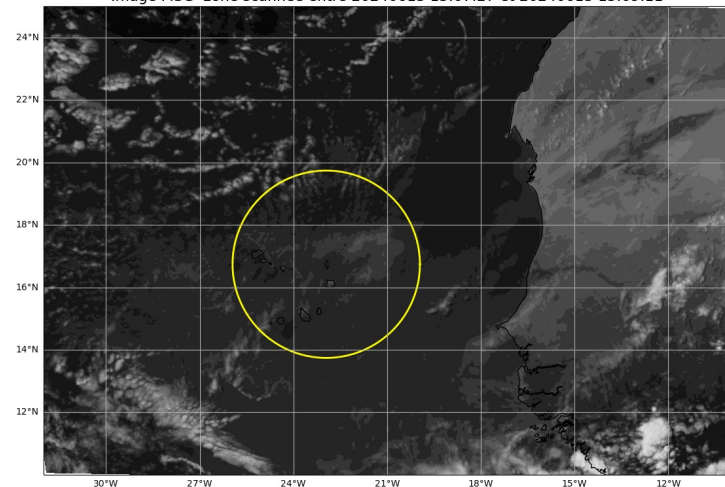
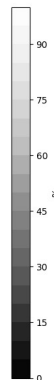


Image MSG zone scannée entre 20240613 15:07:27 et 20240613 15:09:11



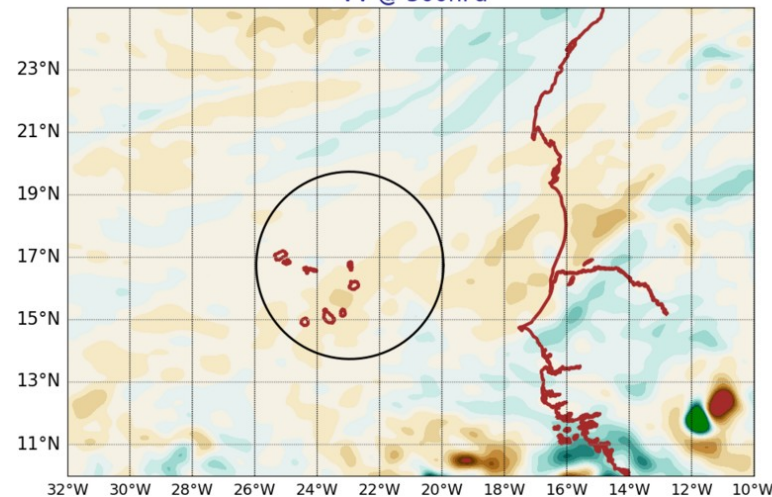
reflectance VIS006



# Arome J-1 12h

AROME25 20240613-12-UTC -ech(12h)

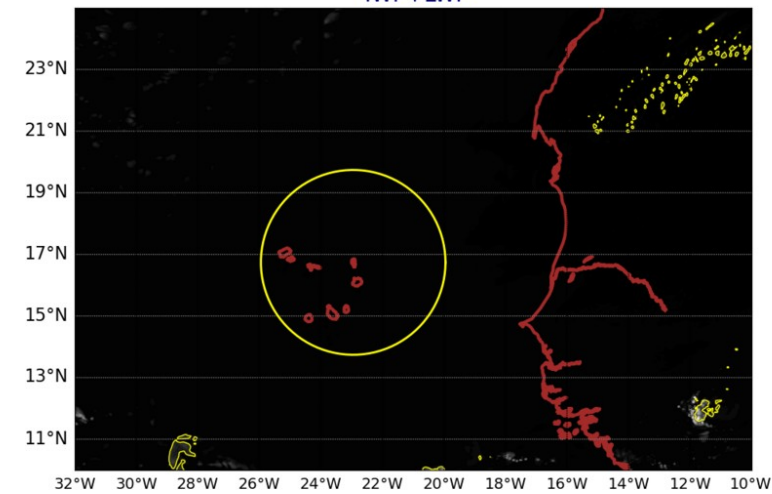
VV @ 500hPa



Pa s\*\*-1

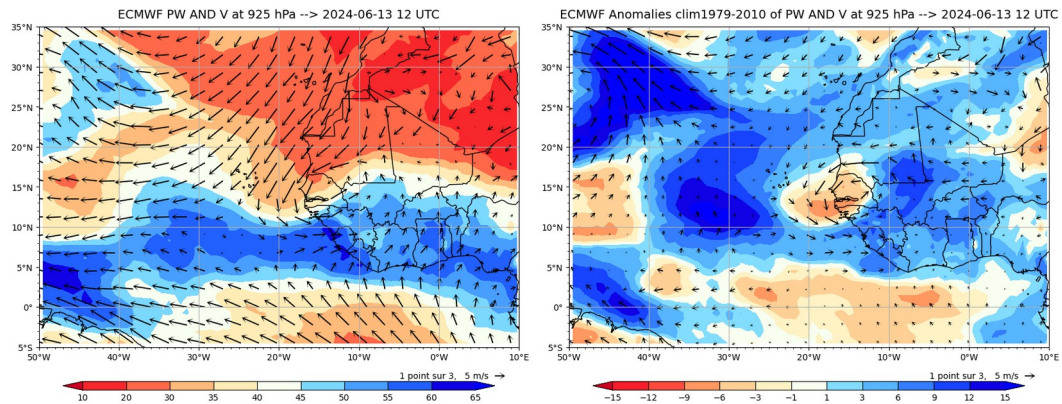
AROME25 20240613-12-UTC -ech(12h)

IWP+LWP

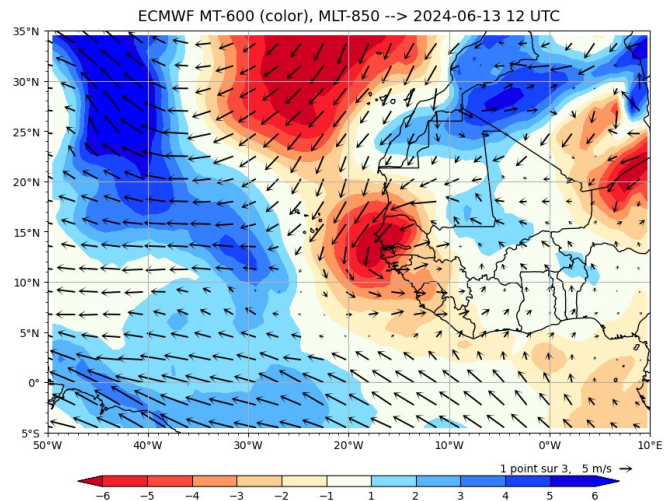


mm

# Cartes PW, MT et Ondes J-1



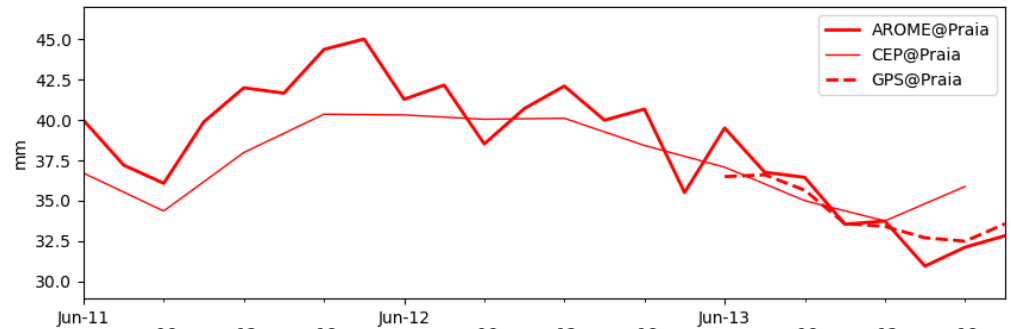
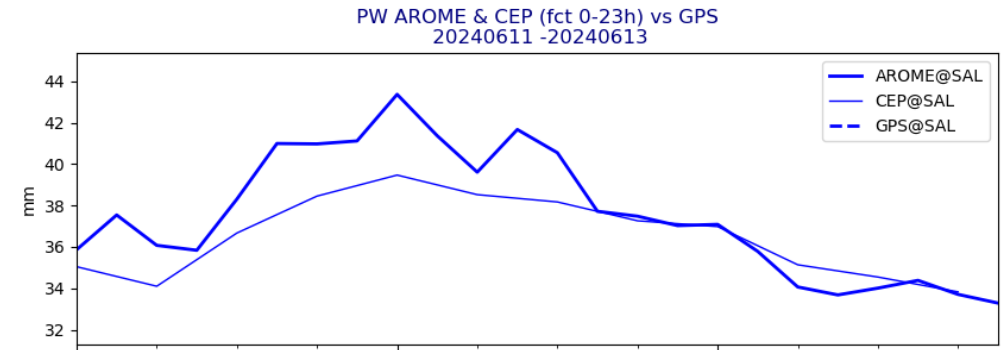
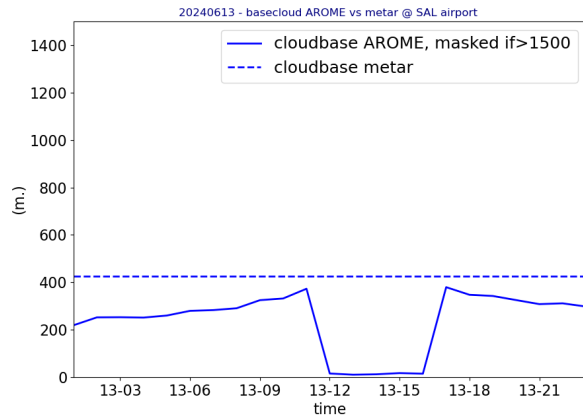
Ajouter ondes J-1



# OBSERVATIONS J-1

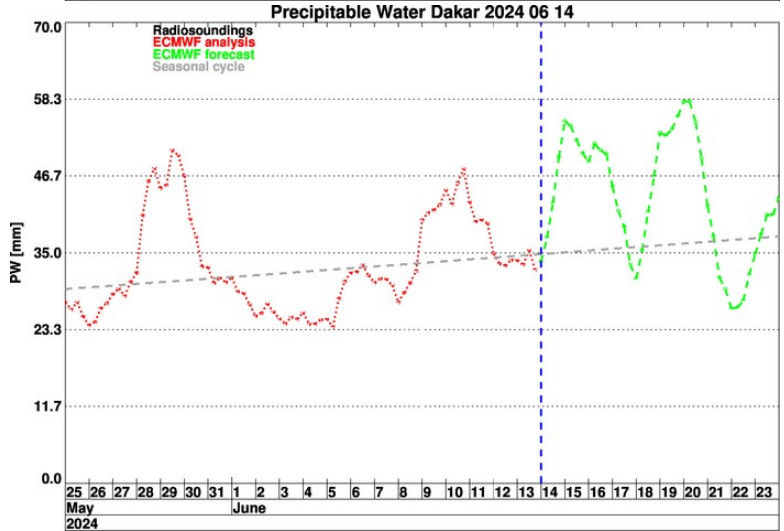
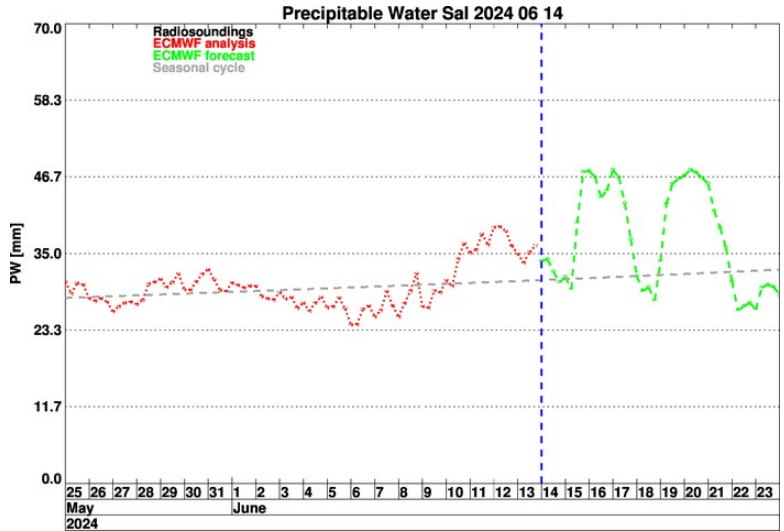
Lidar@ mindelo  
metar@sal

GPS @ Sal  
GPS @ Mindelo

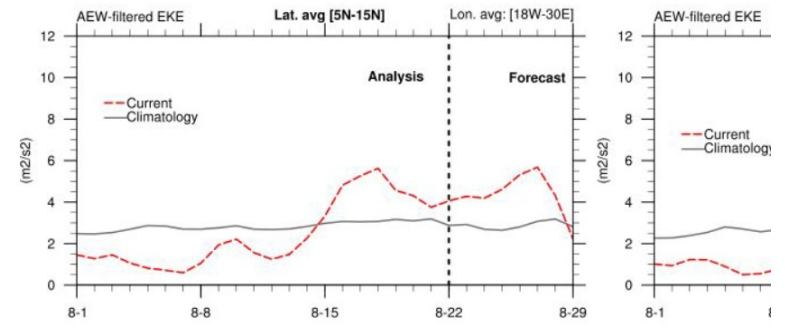


Prévision courte échéance J - J+36h

# Serie temporelle PW Sal et Dakar + EKE



## AEW wind index





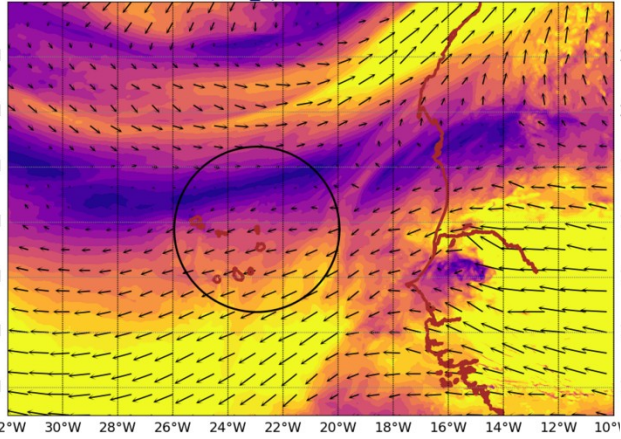
# FIGURES AROME

- PW J-J+36h 850 hPa ?
- Pbl height
- Avoir une coupe zonale / meridienne de  $qv$
-

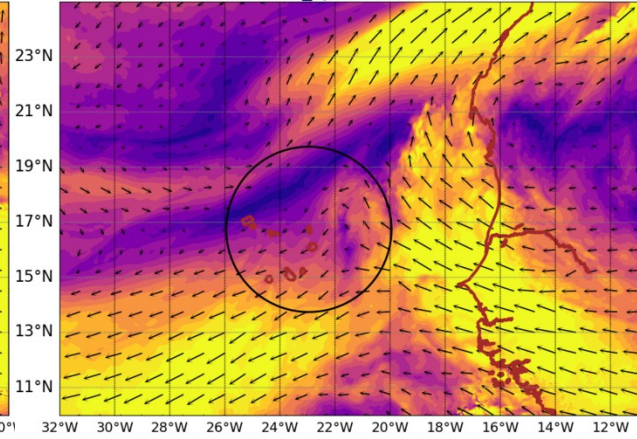
# AROME Wind @ 700 hPa

## AROME Wind @ 920 hPa

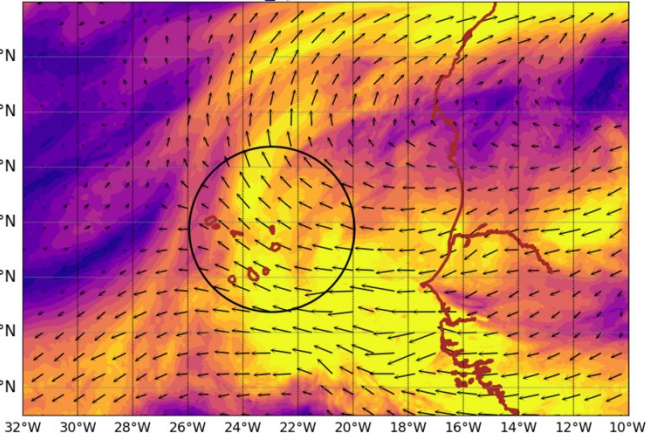
AROME25 20240614-12-UTC -ech(12h)  
wind\_sp700 @ 700hPa



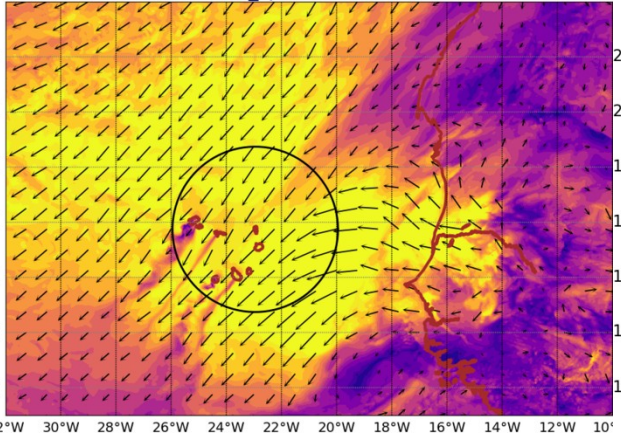
AROME25 20240615-12-UTC -ech(36h)  
wind\_sp700 @ 700hPa



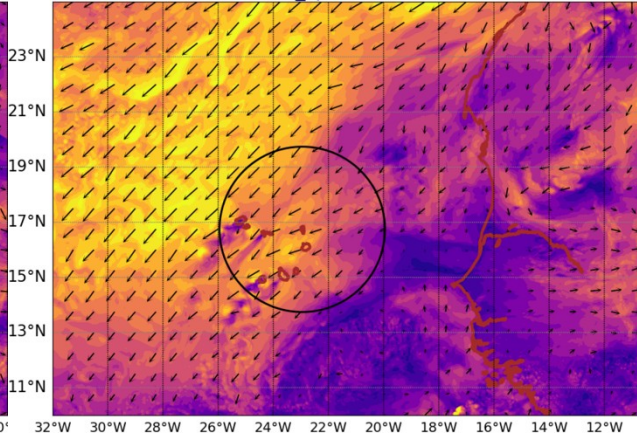
AROME25 20240616-12-UTC -ech(60h)  
wind\_sp700 @ 700hPa



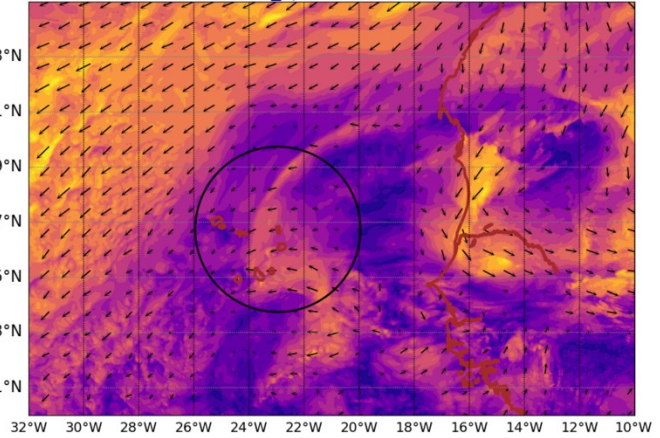
AROME25 20240614-12-UTC -ech(12h)  
wind\_sp920 @ 920hPa



AROME25 20240615-12-UTC -ech(36h)  
wind\_sp920 @ 920hPa



AROME25 20240616-12-UTC -ech(60h)  
wind\_sp920 @ 920hPa



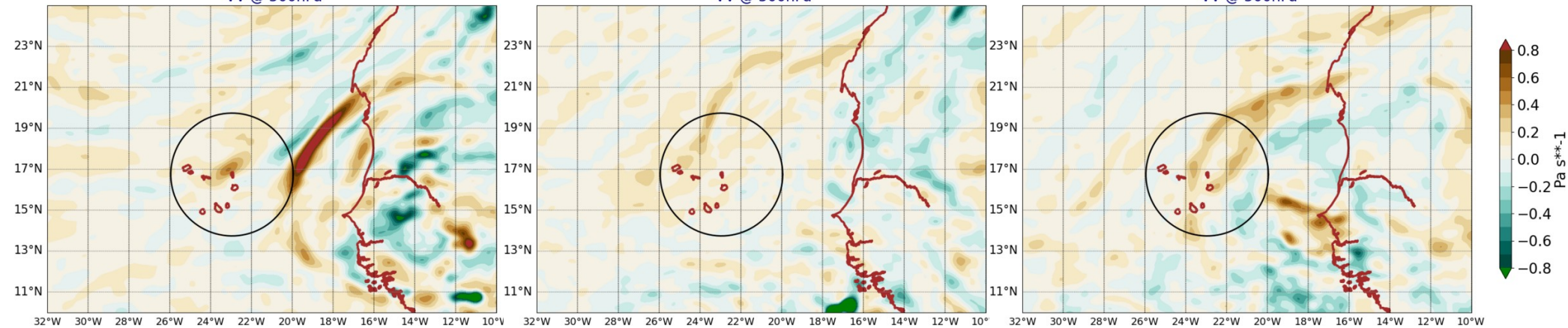
# AROME VV @ 500hPa

## AROME LWP+IWP

AROME25 20240614-12-UTC -ech(12h)  
VV @ 500hPa

AROME25 20240615-12-UTC -ech(36h)  
VV @ 500hPa

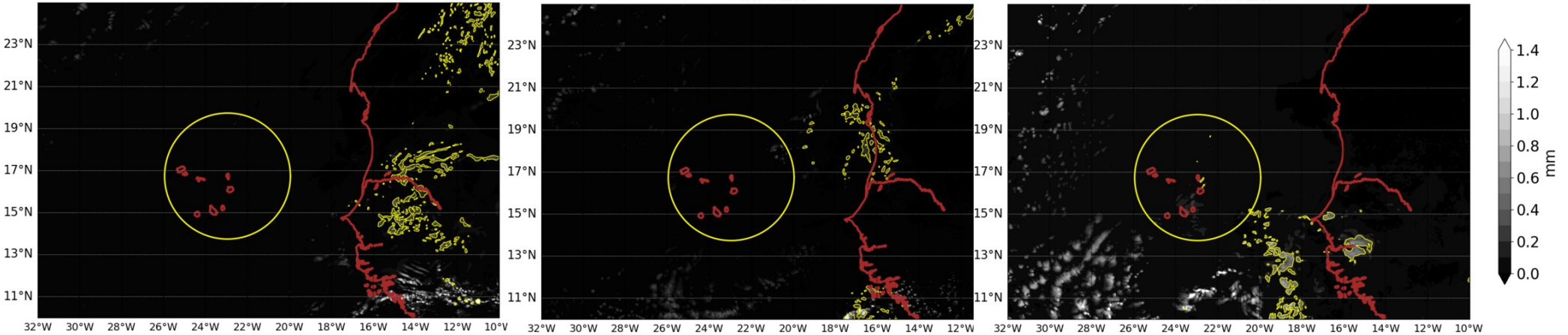
AROME25 20240616-12-UTC -ech(60h)  
VV @ 500hPa



AROME25 20240614-12-UTC -ech(12h)  
IWP+LWP

AROME25 20240615-12-UTC -ech(36h)  
IWP+LWP

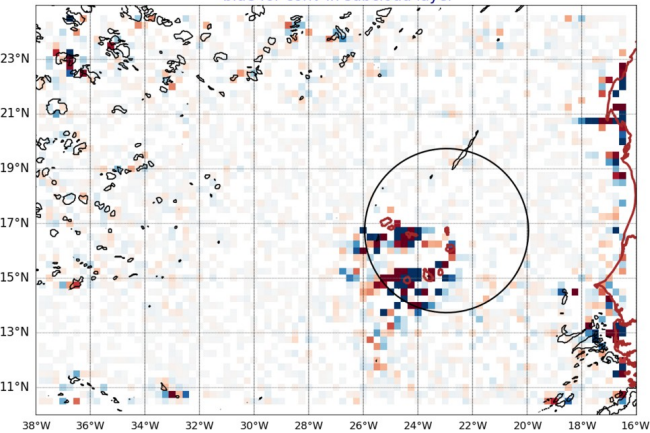
AROME25 20240616-12-UTC -ech(60h)  
IWP+LWP



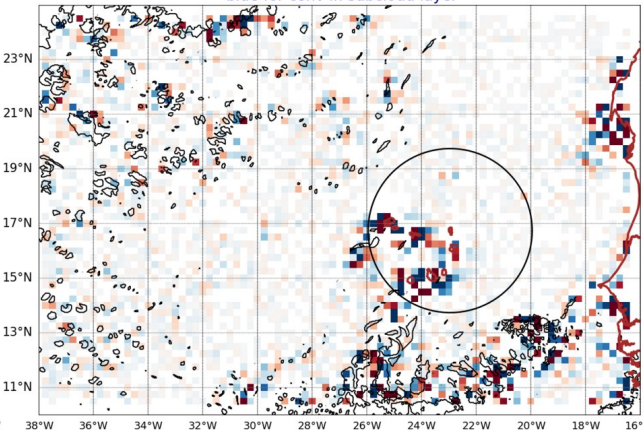
# Smoc

-blue for conv in subcloud layer-

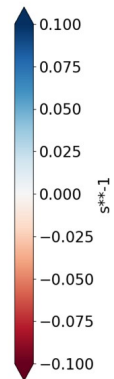
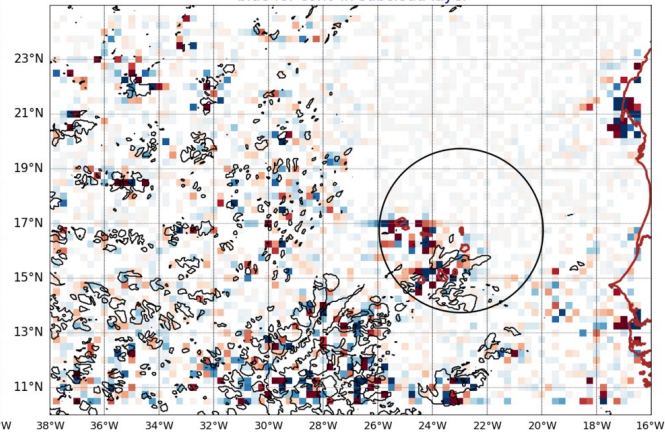
AROME25 regrid 0.25  
20240614-12-UTC -ech(12h)  
blue for conv in subcloud layer



AROME25 regrid 0.25  
20240615-12-UTC -ech(36h)  
blue for conv in subcloud layer

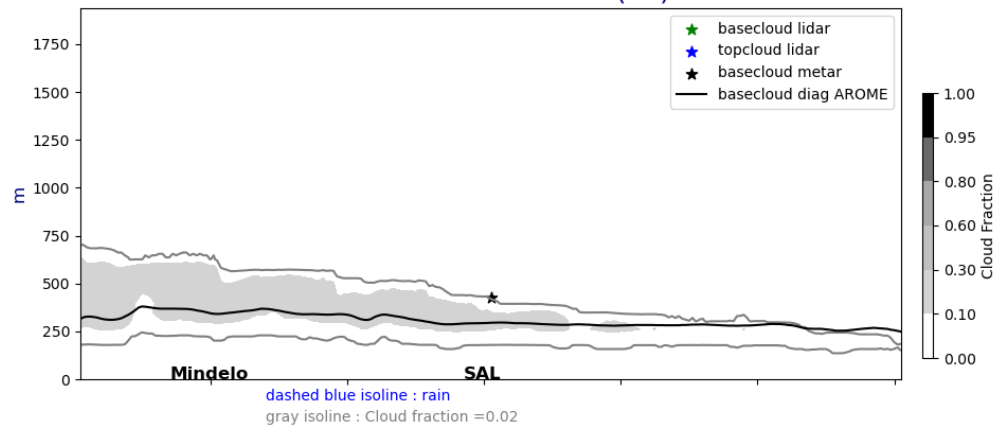


AROME25 regrid 0.25  
20240616-12-UTC -ech(60h)  
blue for conv in subcloud layer

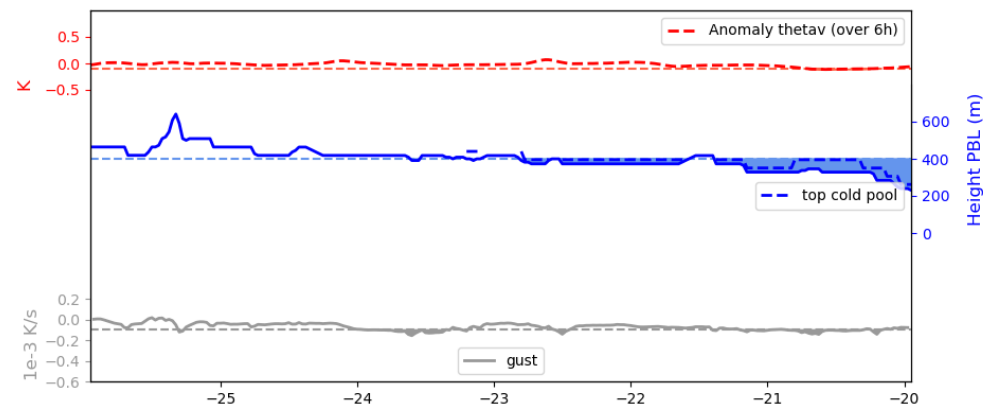
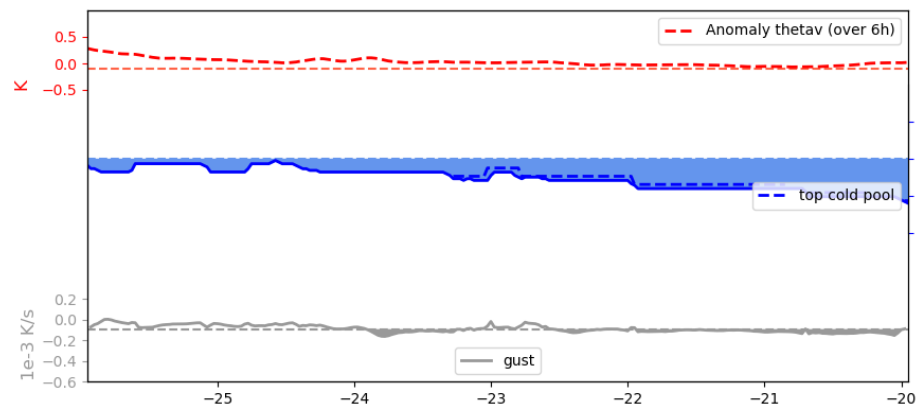
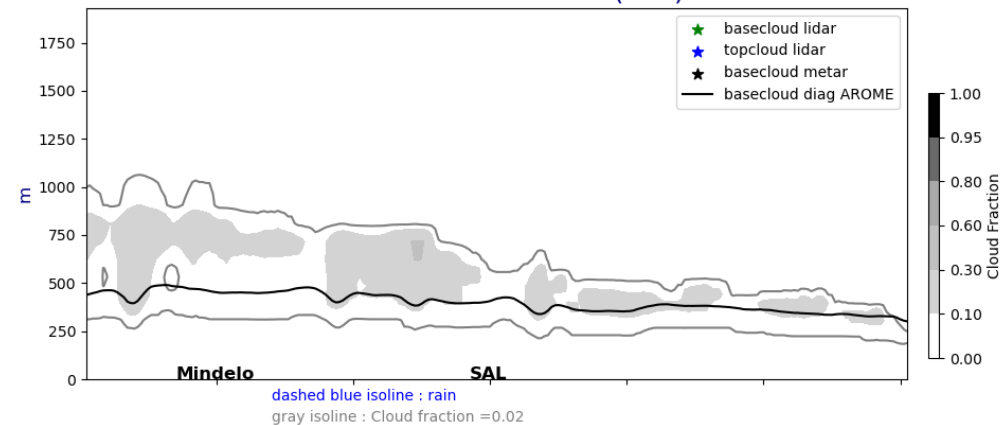


# Lat. cross section @17°5N fct : 1h, 12h

Cross section E/W @ 17.5N  
20240614-01-UTC ech(1h)

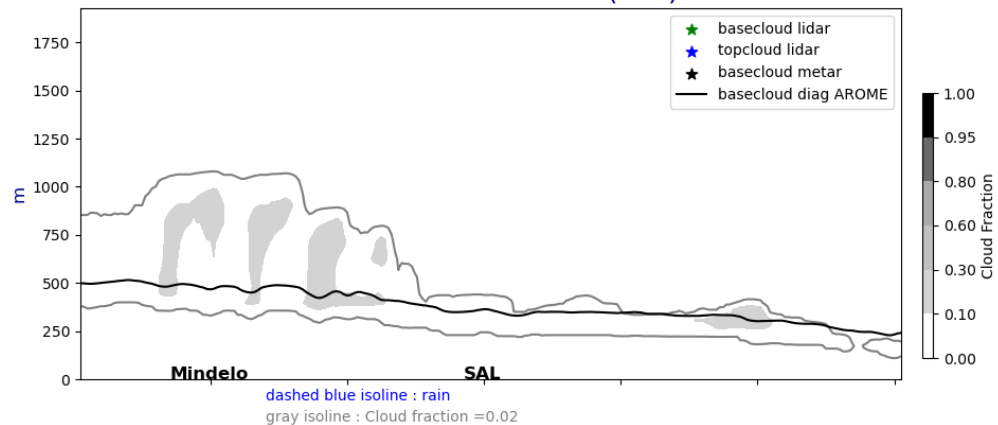


Cross section E/W @ 17.5N  
20240614-12-UTC ech(12h)

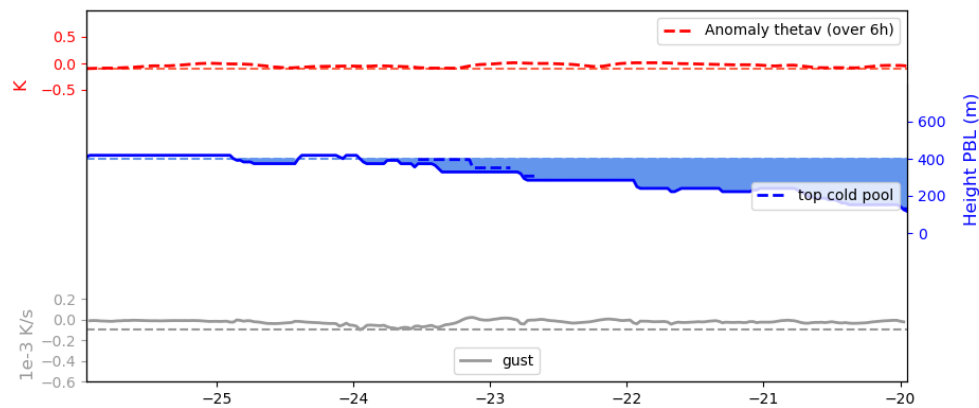
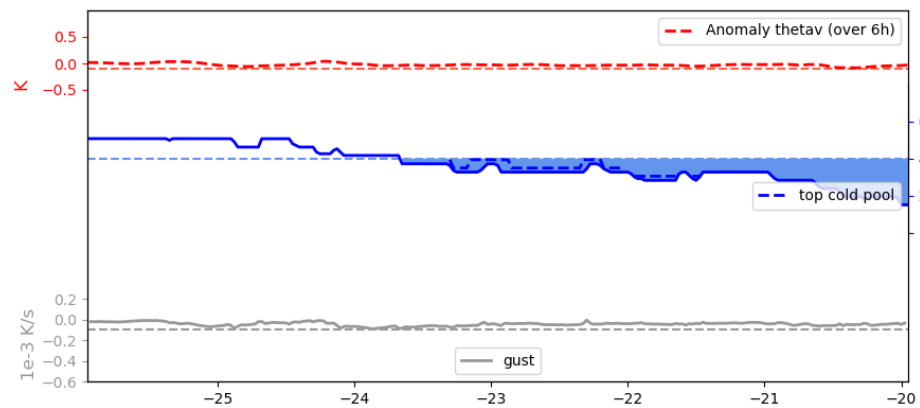
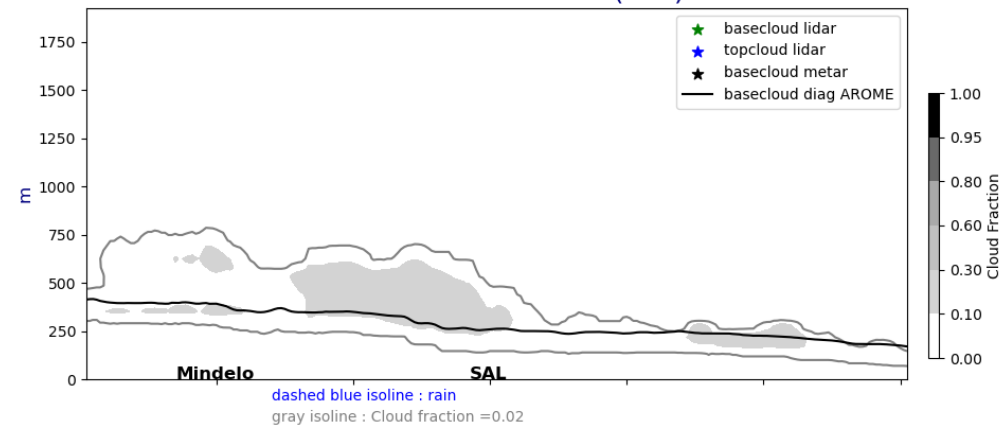


# Lat. cross section @17°5N fct : 36h, 60h

Cross section E/W @ 17.5N  
20240615-12-UTC ech(36h)

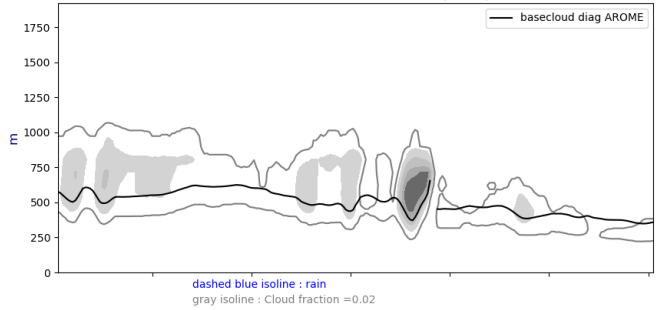


Cross section E/W @ 17.5N  
20240616-12-UTC ech(60h)

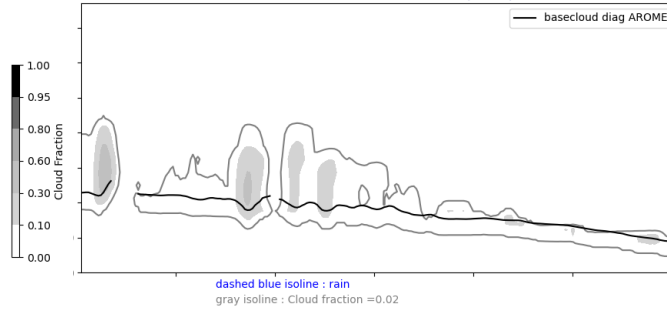


# Lat. cross section @ 19°5N ech : 12h, 36h, 60h

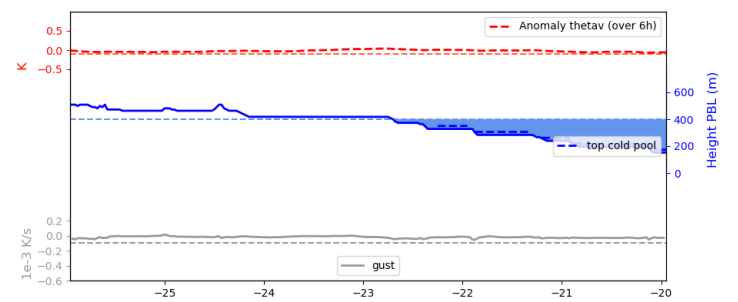
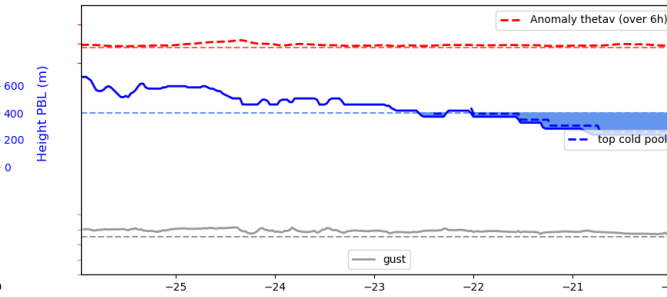
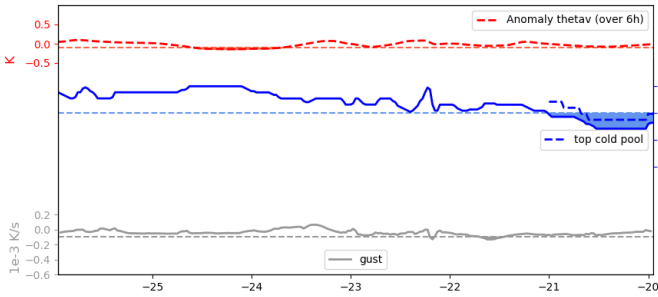
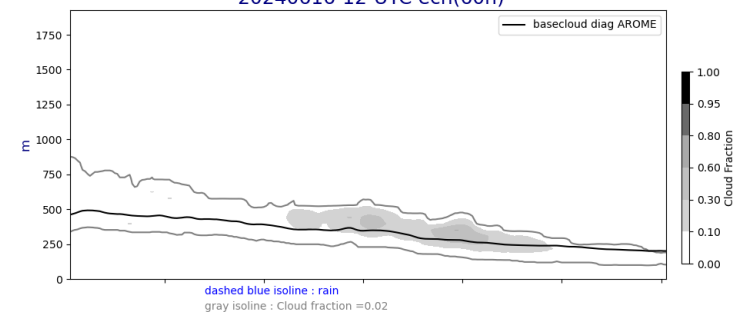
Cross section E/W @ 19.5N  
20240614-12-UTC ech(12h)



Cross section E/W @ 19.5N  
20240615-12-UTC ech(36h)

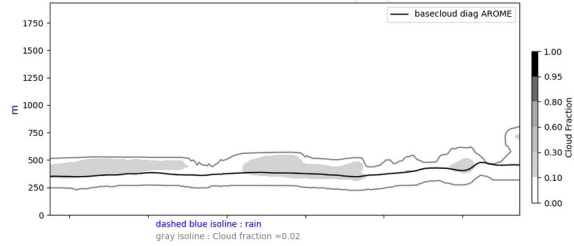


Cross section E/W @ 19.5N  
20240616-12-UTC ech(60h)

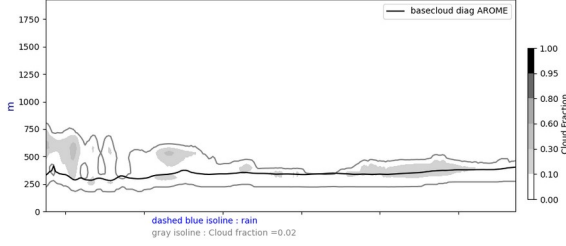


# Lon. cross section @22W & 26W fct : 12h,36h,60h

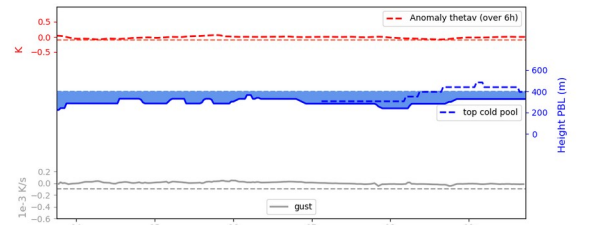
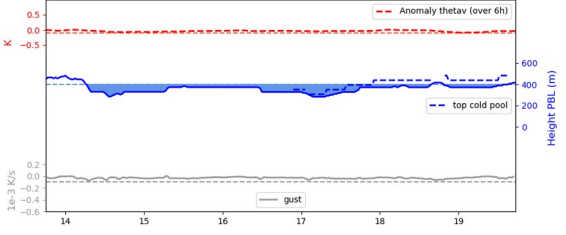
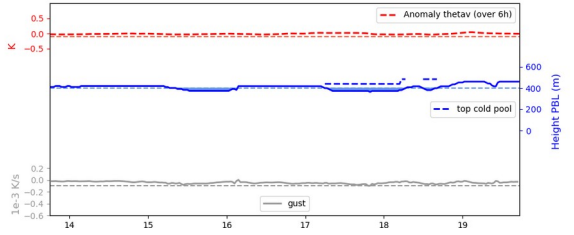
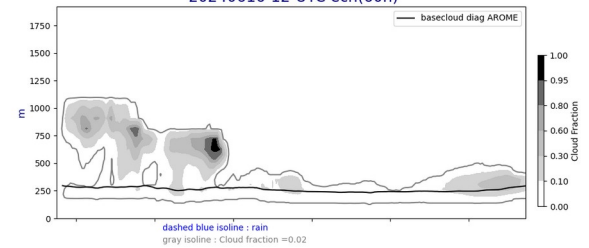
Cross section S/N @ -22W  
20240614-12-UTC ech(12h)



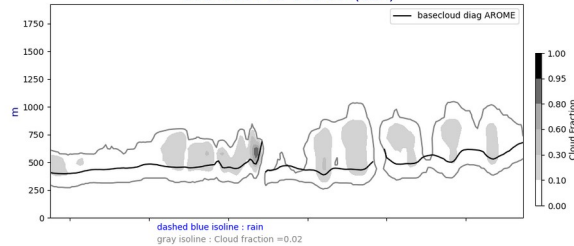
Cross section S/N @ -22W  
20240615-12-UTC ech(36h)



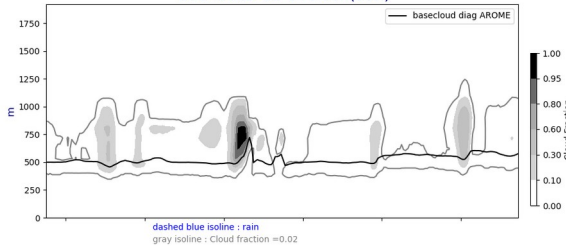
Cross section S/N @ -22W  
20240616-12-UTC ech(60h)



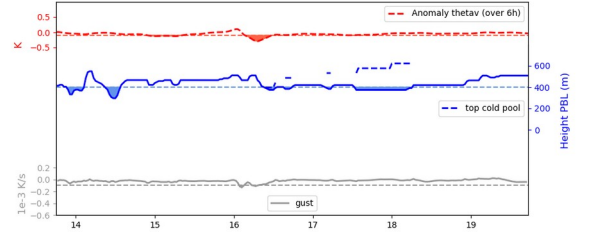
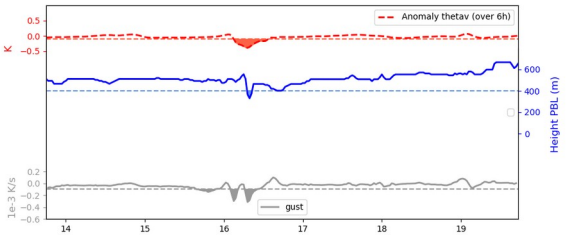
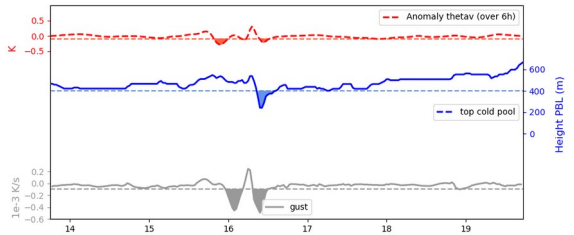
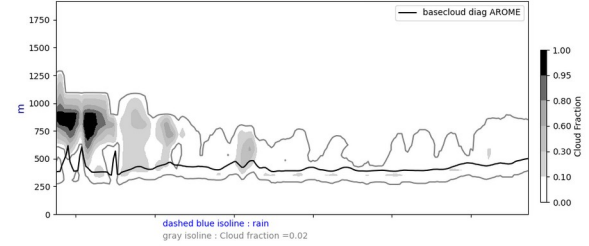
Cross section S/N @ -26W  
20240614-12-UTC ech(12h)



Cross section S/N @ -26W  
20240615-12-UTC ech(36h)



Cross section S/N @ -26W  
20240616-12-UTC ech(60h)

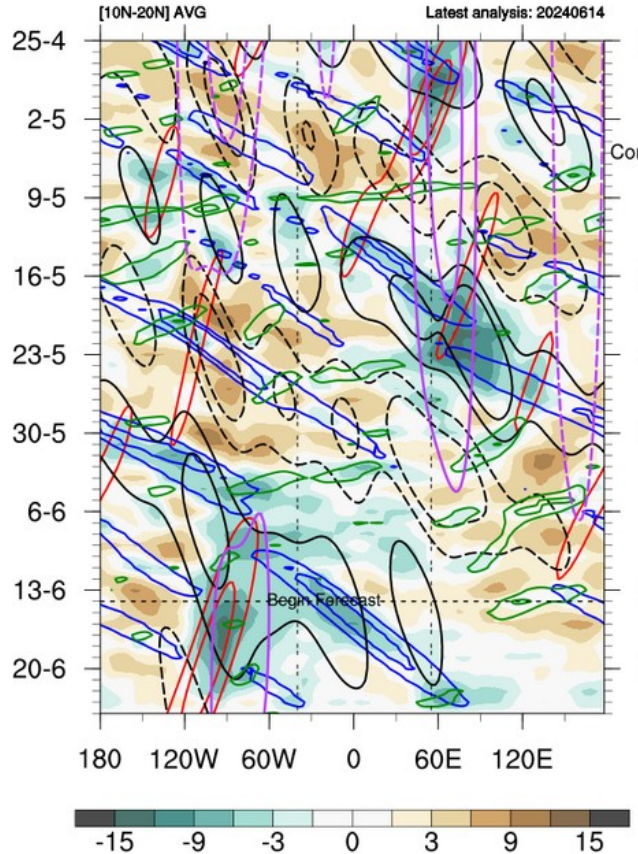




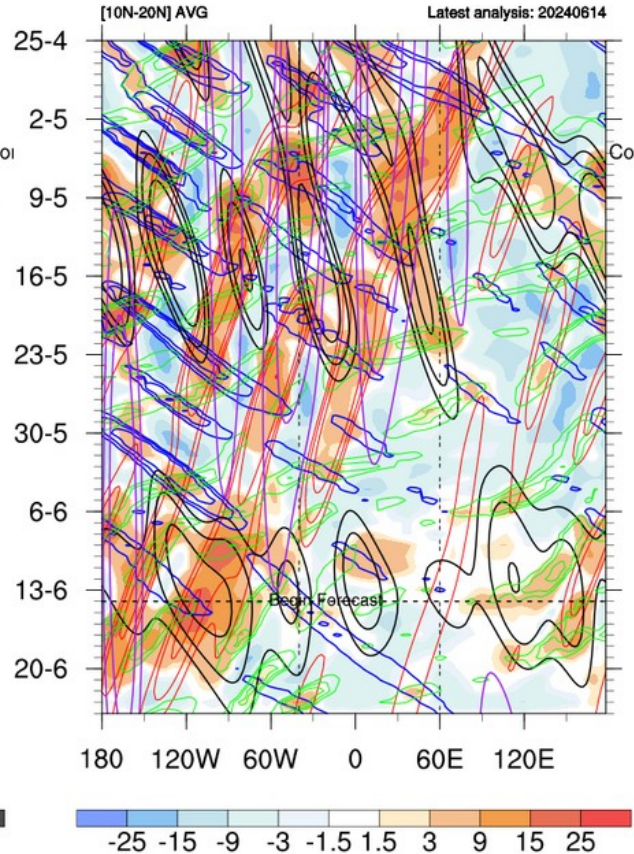
Prévision semaine en cours J - J+7

# A centrer sur SAL + réduire période obs en haut

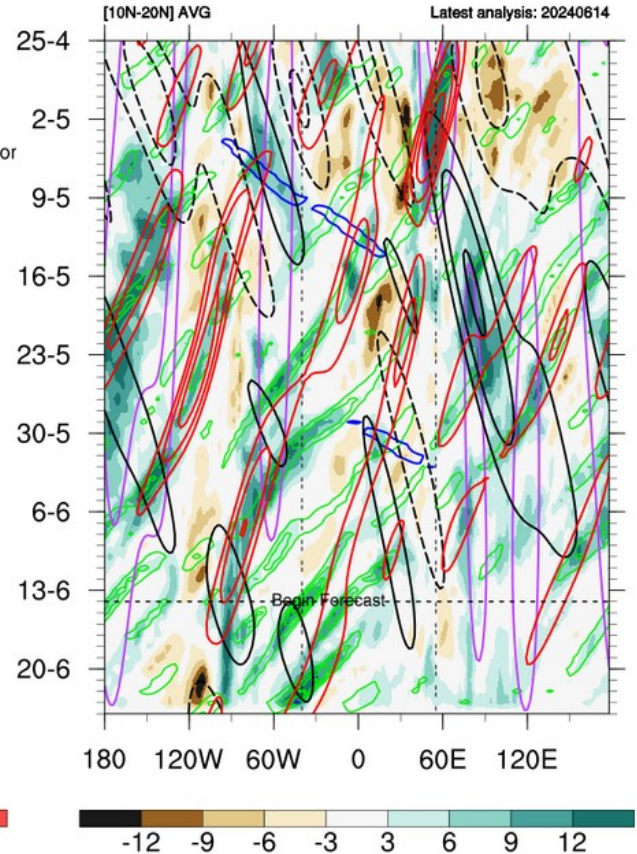
VP200 anomaly + Eq. Waves filtering



SF200 anomaly + Eq. Waves filtering

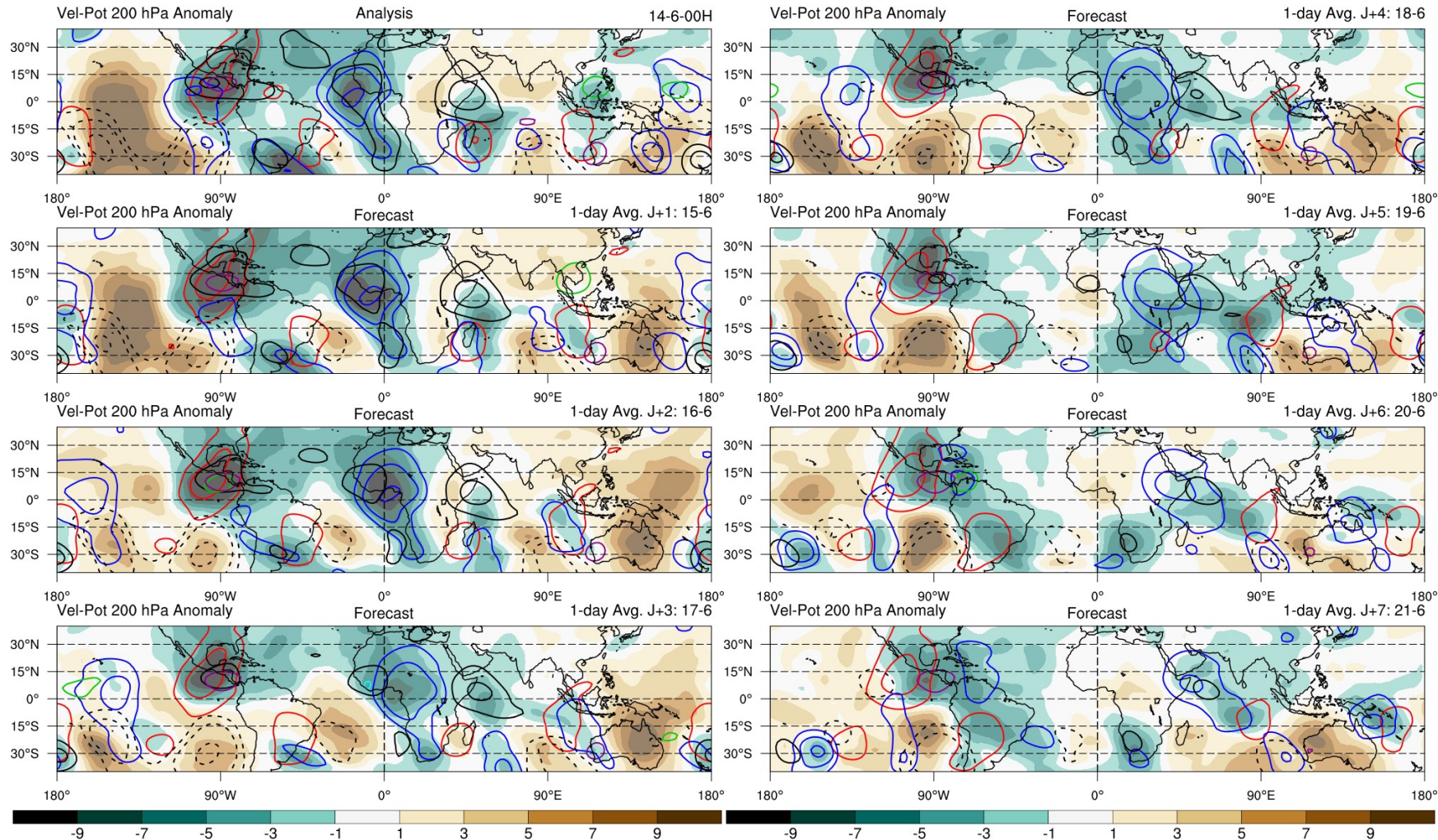


TCWV anomaly (mm) + Eq. Waves filtering



— Low F  
— MRG  
— MJO  
— Kelvin  
— Rossby  
Contours : 2,4,6,8

# Ondes : potentiel de vitesse à 200 hPa, jours J à J+7 (centrer sur 90W-20E)



contact: philippe.peyrille@meteo.fr

Contours every -7, -5, -3, -1.5, m<sup>2</sup>s<sup>-1</sup>

- TD
- MRG
- Kelvin
- Rossby
- MJO
- low

Important: solid contours show divergence  
For MJO and low freq, dashed contours show the convergence

contact: philippe.peyrille@meteo.fr

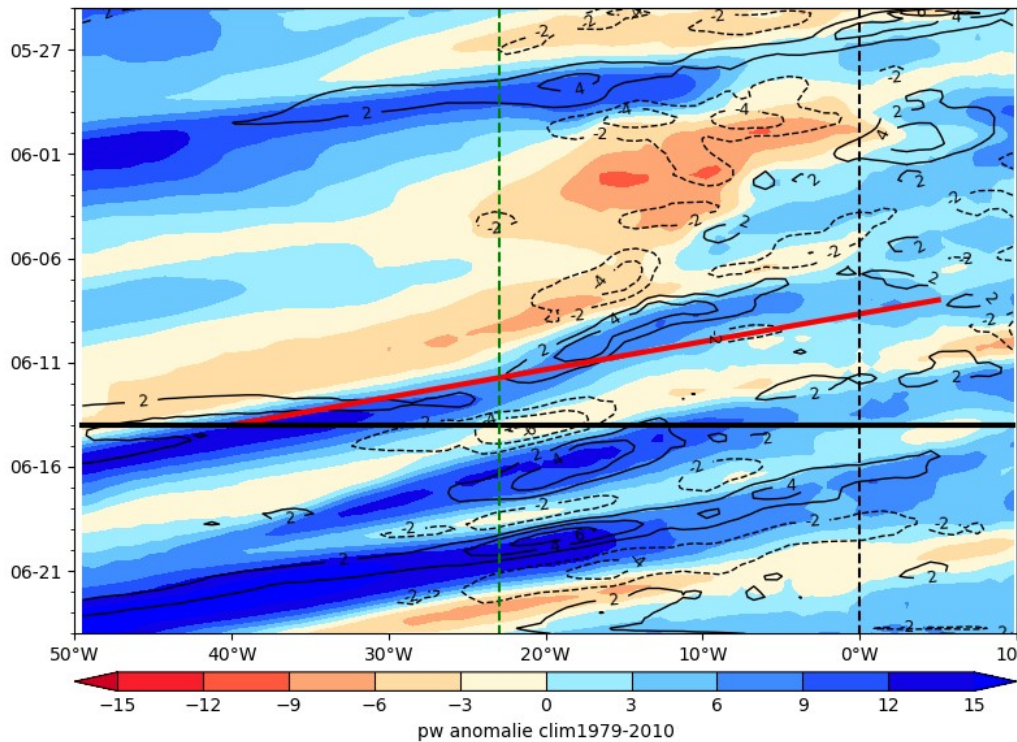
Contours every -7, -5, -3, -1.5, m<sup>2</sup>s<sup>-1</sup>

- TD
- MRG
- Kelvin
- Rossby
- MJO
- low

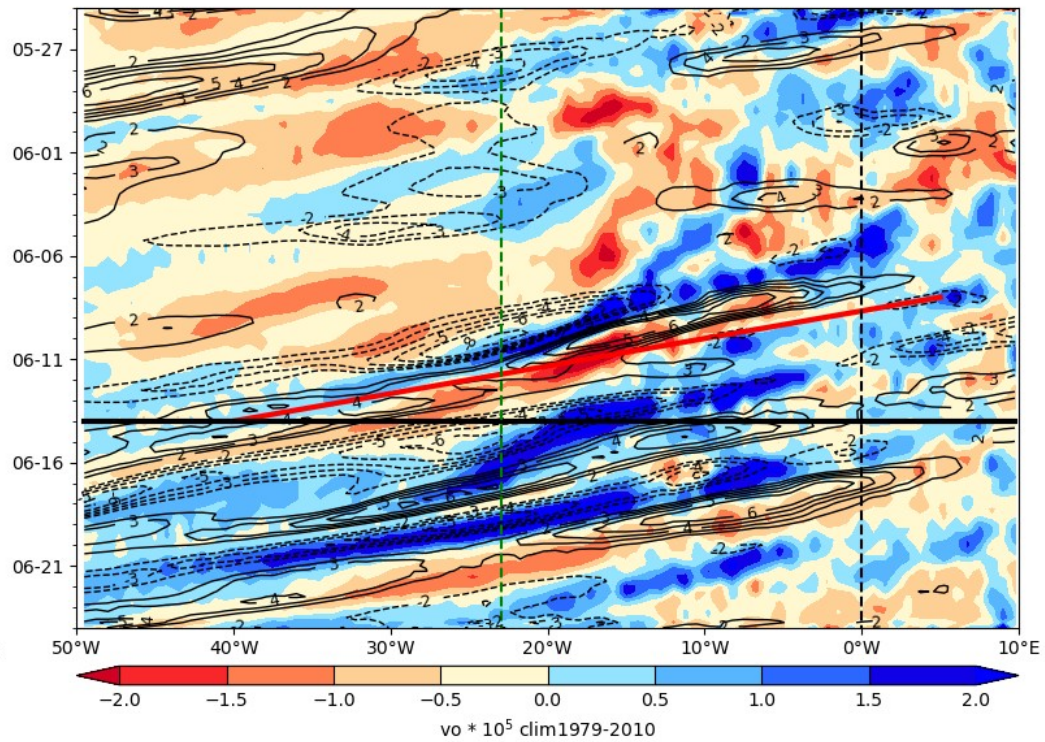
Important: solid contours show divergence  
For MJO and low freq, dashed contours show the convergence

# Hovmoller anomalie

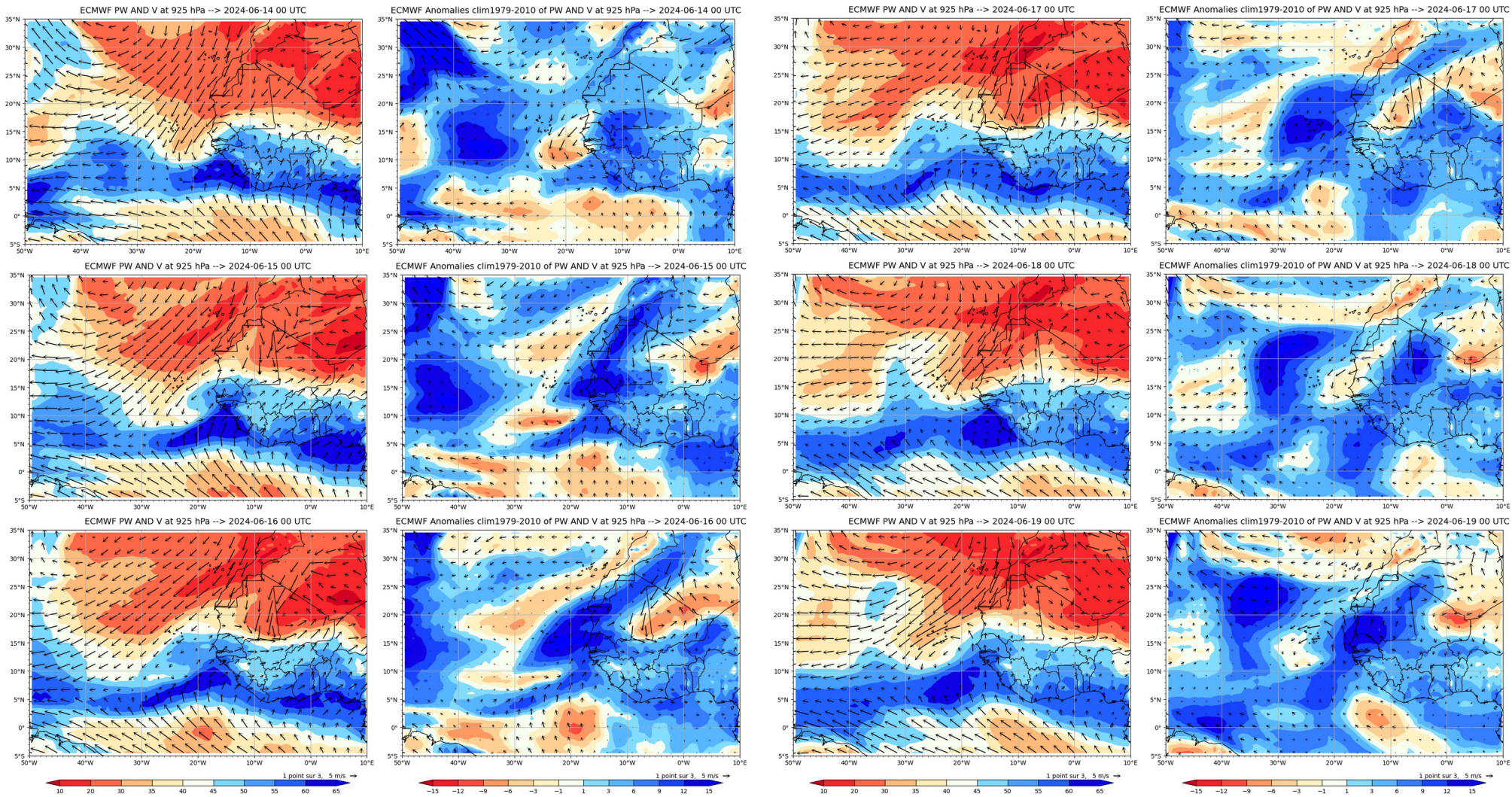
ECMWF PW (color) AND V at 925 hPa 2024-06-14



ECMWF Vorticity 850 hPa (color), V-700 hPa 2024-06-14

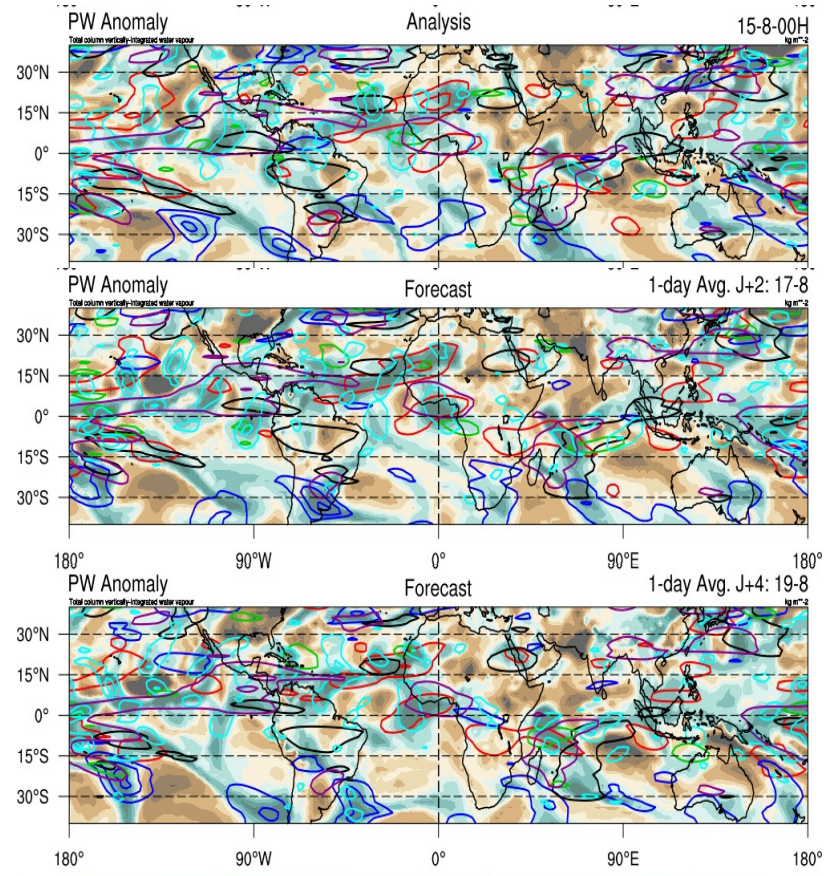
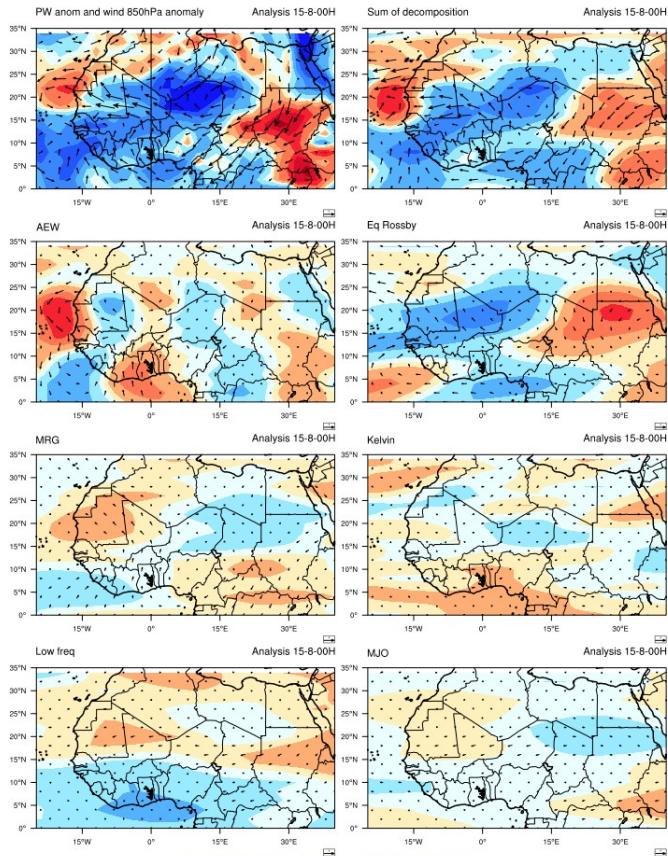


# Carte journalière de PW et Vent à 925 hPa – brut et anomalies

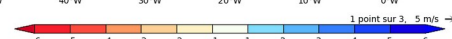
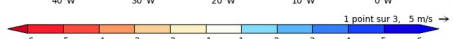
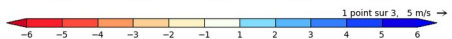
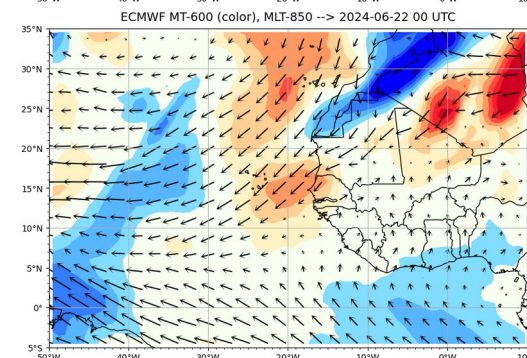
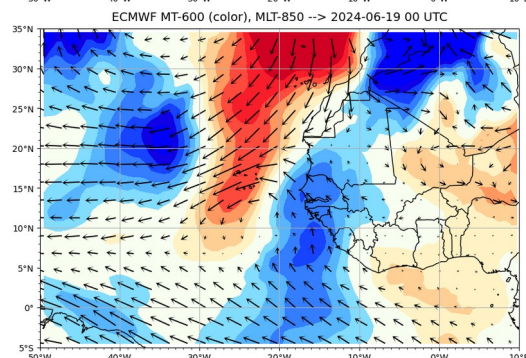
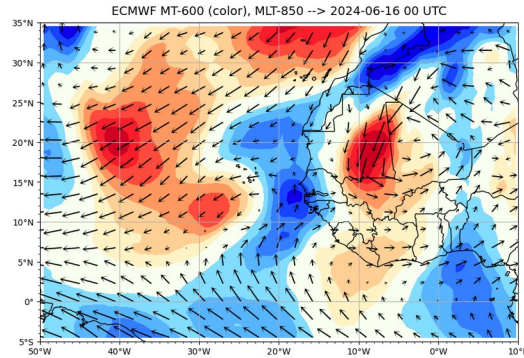
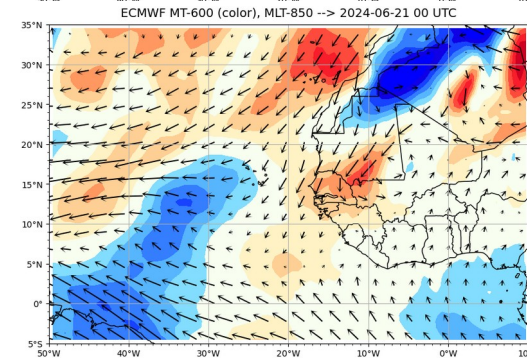
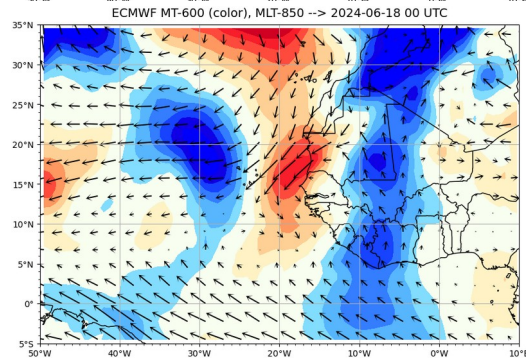
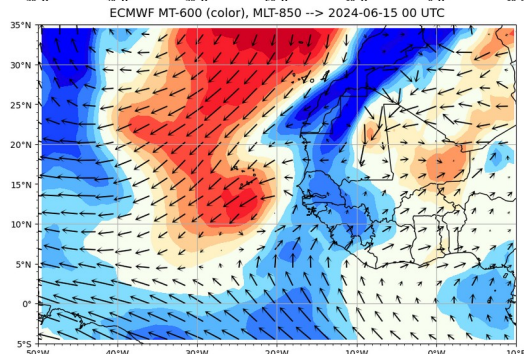
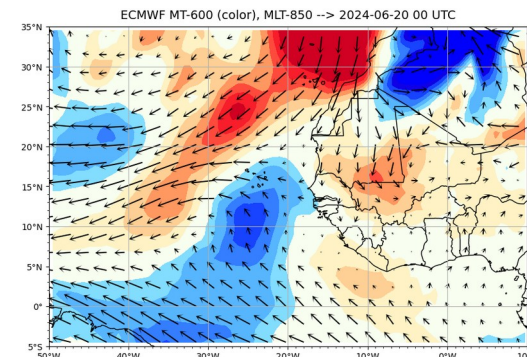
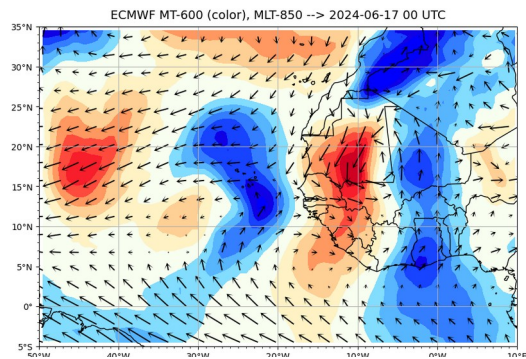
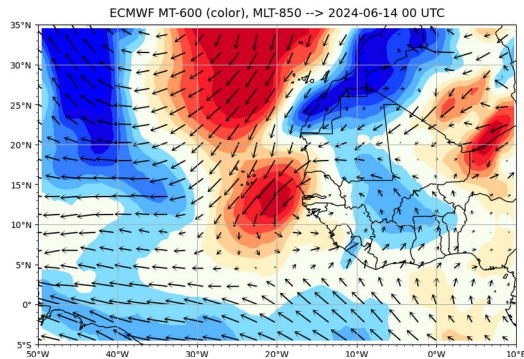


# Décomposition PW/vent en ER/TD ou carte contours superposés, à voir (à centrer sur SAL)

PW and 850hPa wind anomalies

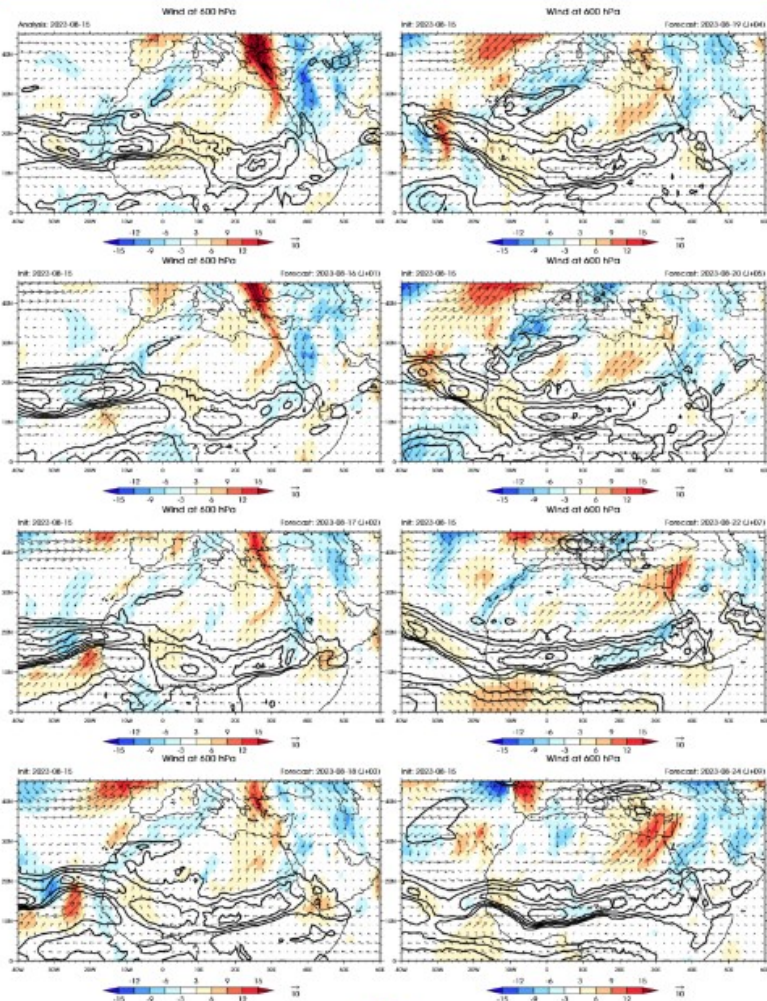


# Flux de mousson



## Cartes à 600 hPa

15 août 2023



# À centrer sur SAL

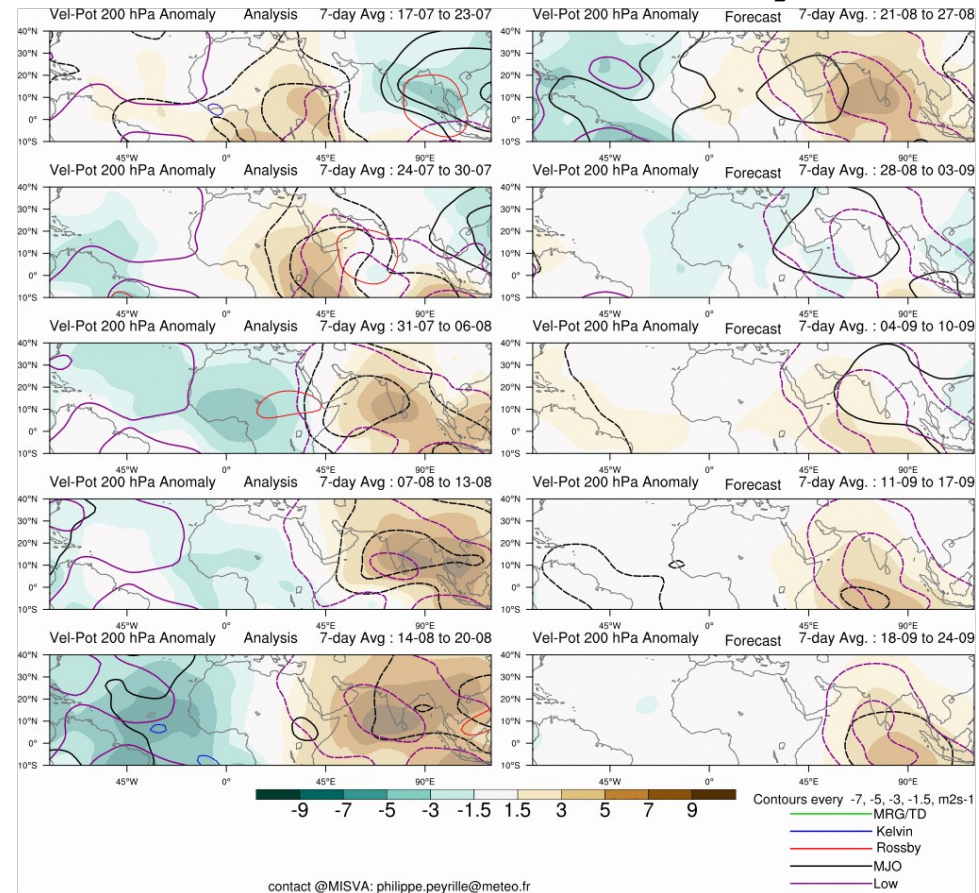
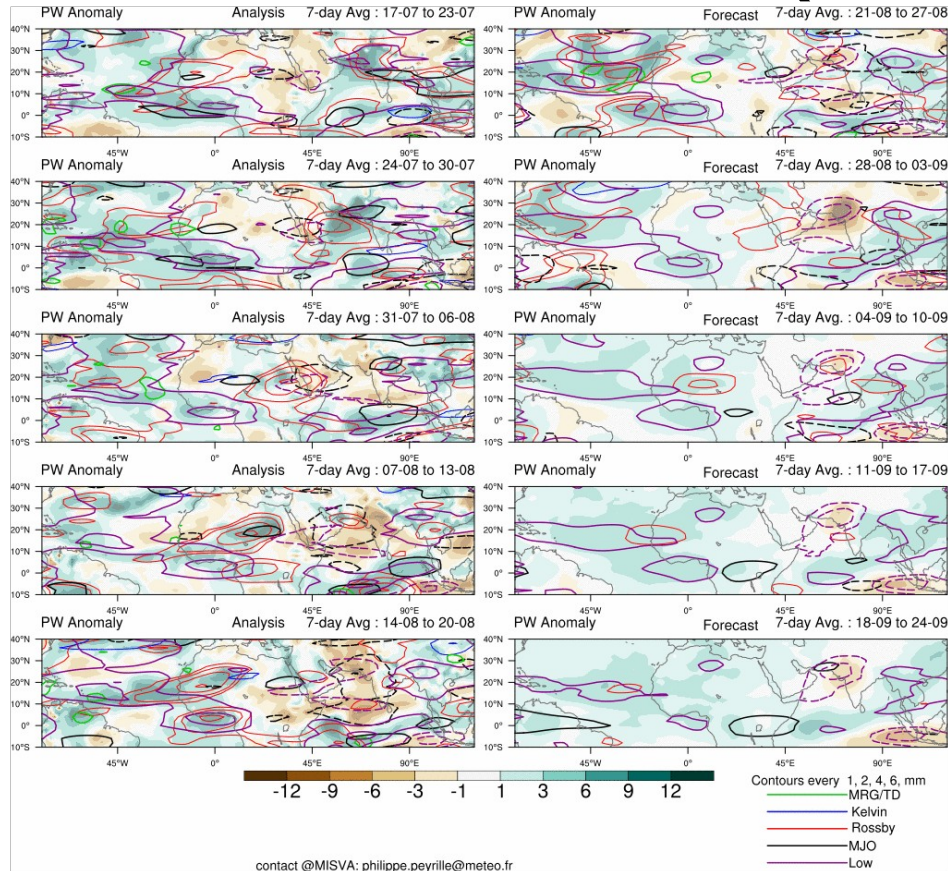
- Bien pour la position du JEA



Prévision mensuelle mis à jour 1 fois /semaine

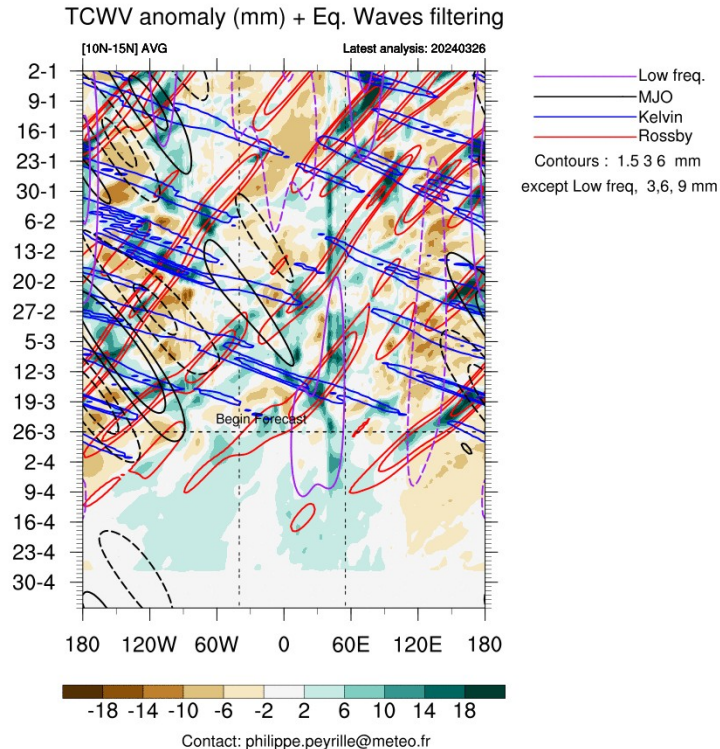
# Prévision mensuelle de la semaine

## PW et VP200 (à zoomer sur SAL)

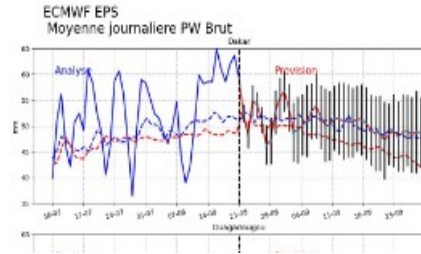
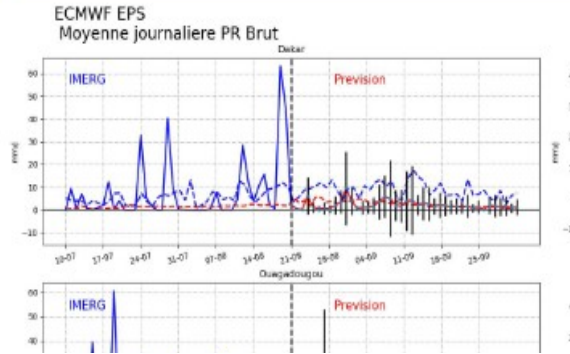


# Hovmoller previ mensuelle zoomé sur SAL (PW, VP, SF850)

À zoomer sur SAL (50W,  
10E) sur la latitude de  
SAL  $\pm 1.5^\circ$

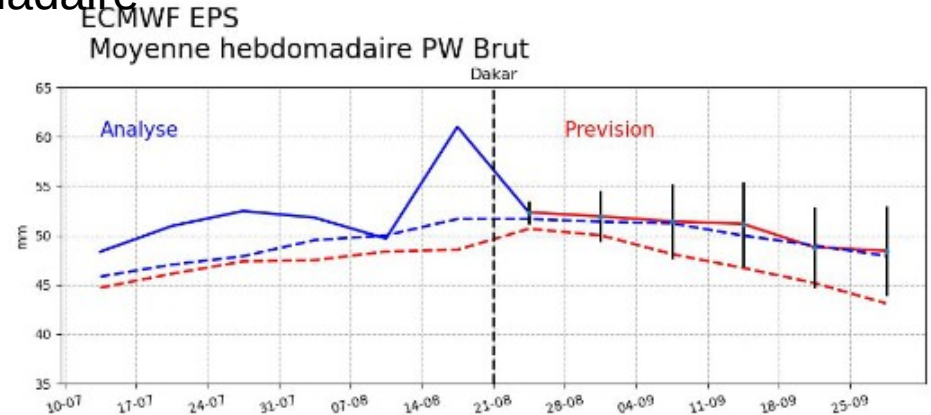
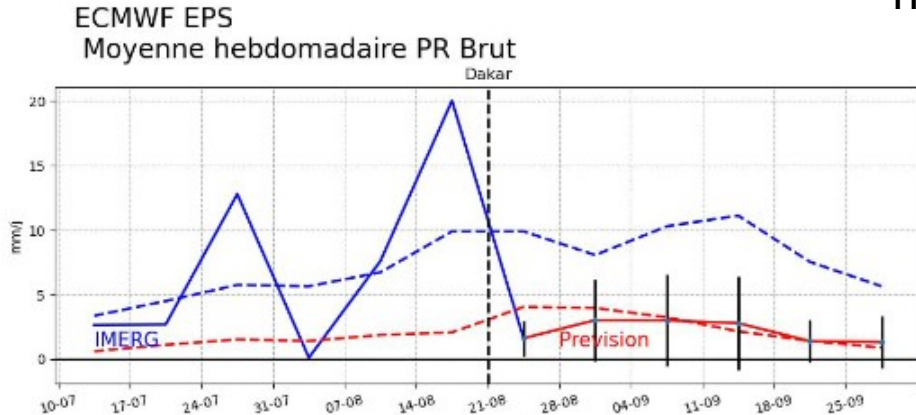


# Serie temporelle PW, PR centrer sur sur SAL (+ EKE)



journalier

hebdomadaire



## Aide pour la Synthèse

Param	J	J+1	J+2	J+3	J+4	J+5	Ondes
PW/ PW*							
VP200							
Omega 500							
Tourbillon							
Vt 700 hPa							
PBL height							
Type MCS prévu							

