Briefing hebdomadaire

Suivi MJO et ondes équatoriales pour le bassin SOOI

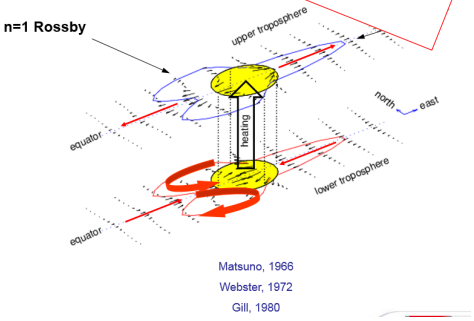
DATE : 09/05/2023

H. Vérèmes

ATTENTION : Changement de formalisme des semaines !!!! S0 est devenu S1 mais correspond toujours à la semaine en cours.

support produit le 09/05/2023 sur bulletin ECMWF du 08/05 et figures du 08/05

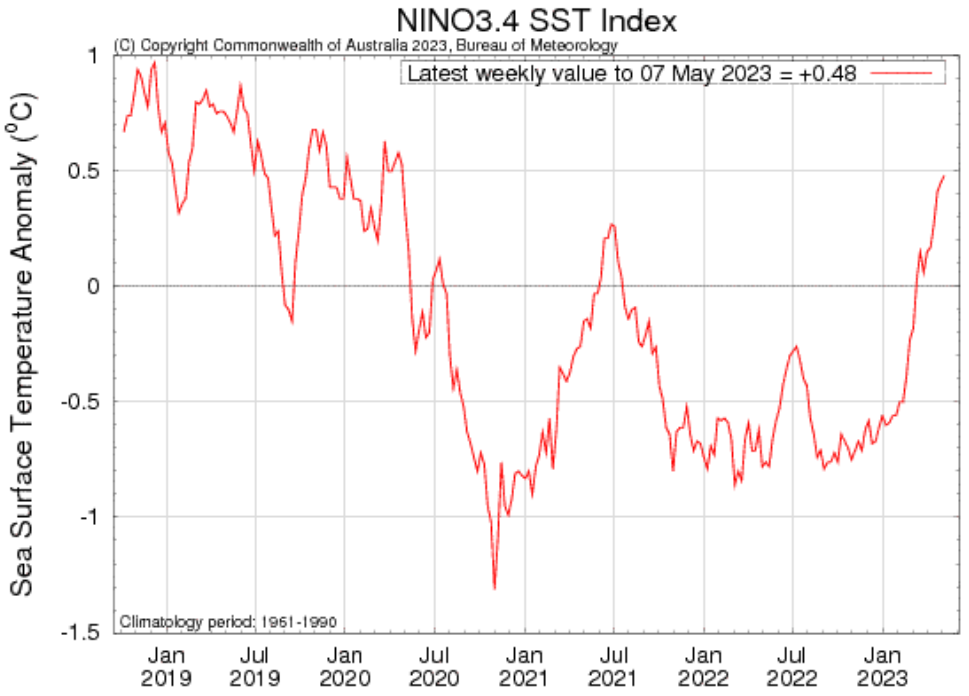
S1 : 08 mai-14 mai
S2 : 15 mai-21 mai
S3 : 22 mai-28 mai
S4 : 29 mai-04 juin
S5 : 05 juin-11 juin

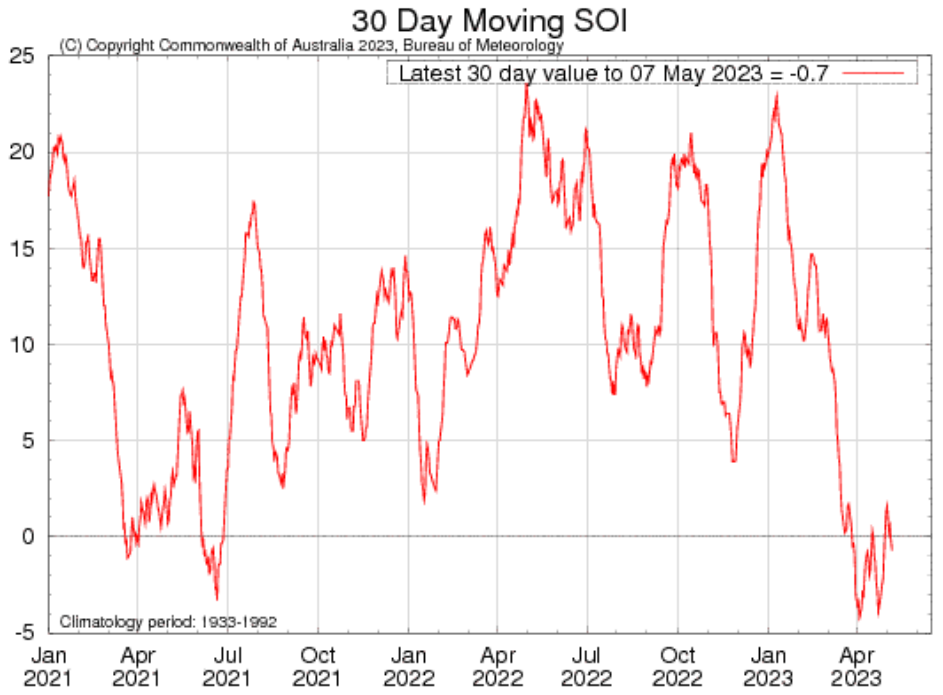


1. Prévision - Basse fréquence

Signal Basse Fréquence

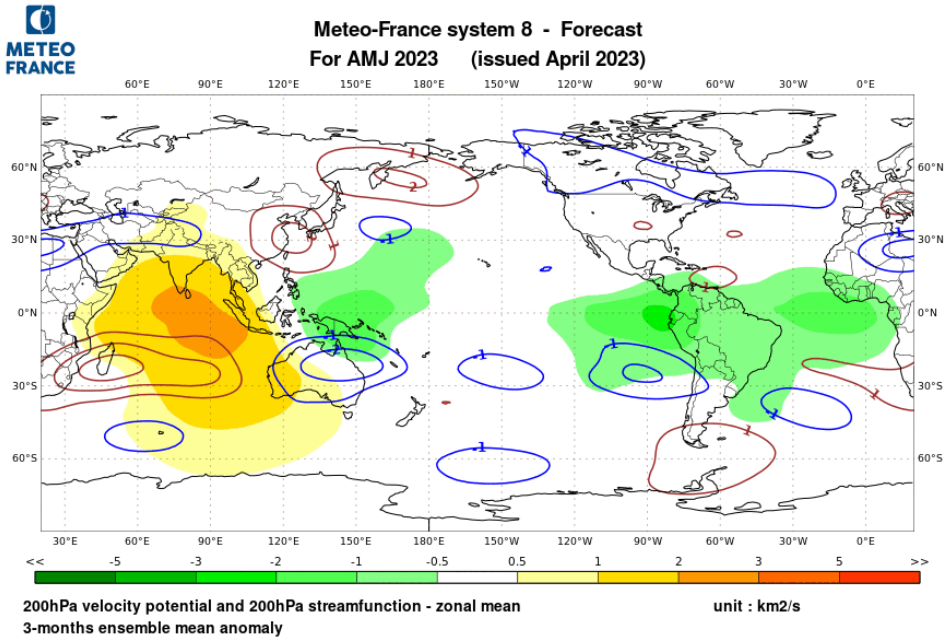
Contexte ENSO

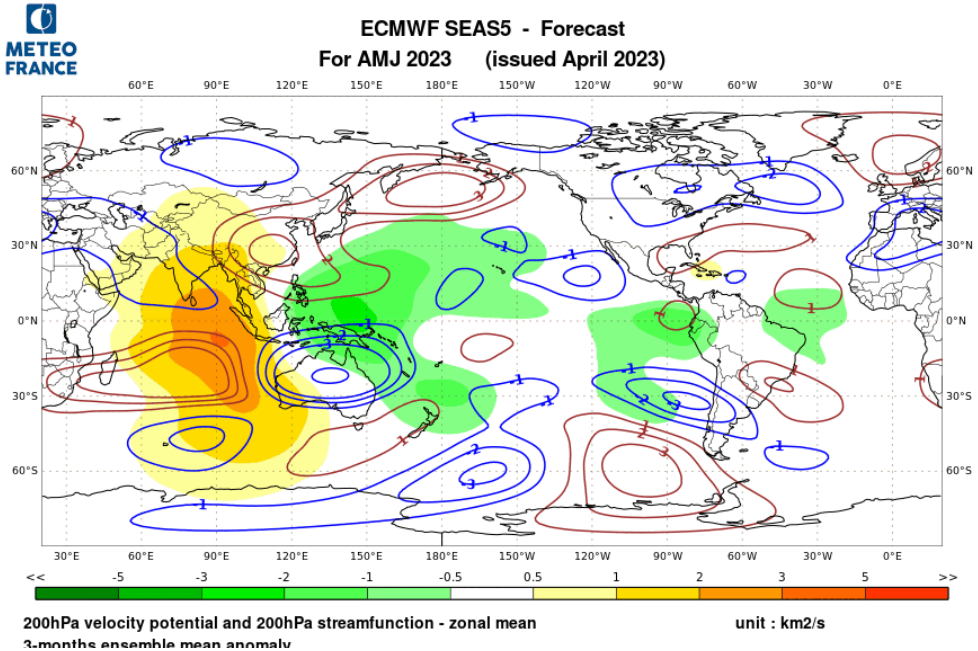




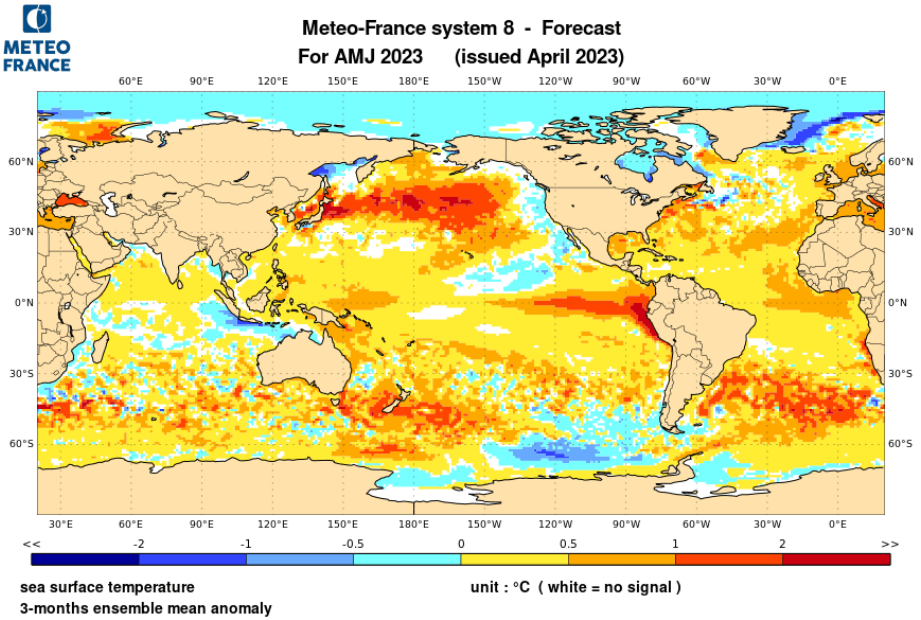
Signal Basse Fréquence

VP 200 prévu

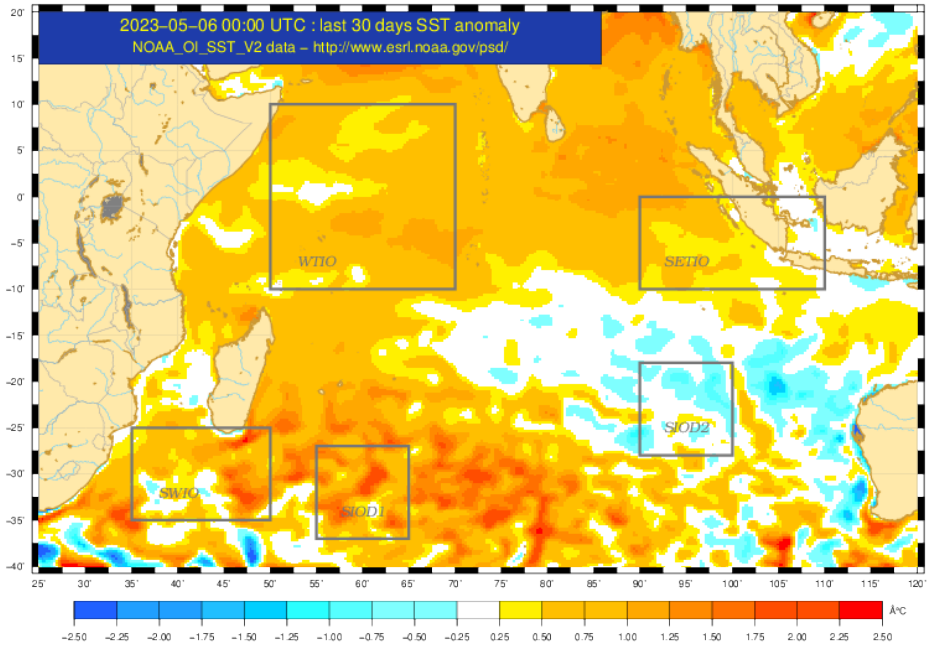


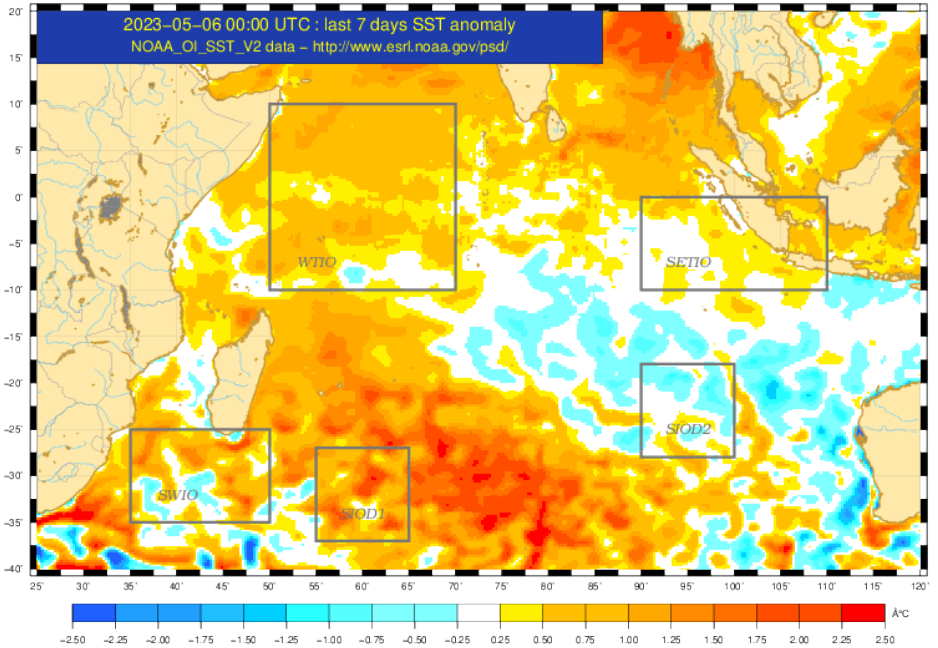


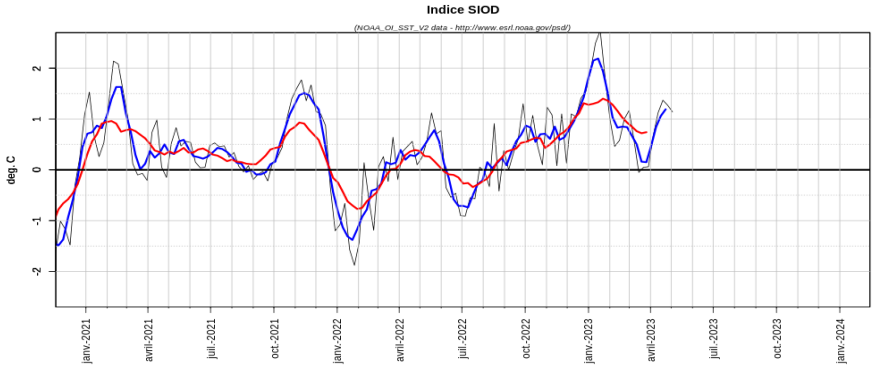
SST prévue

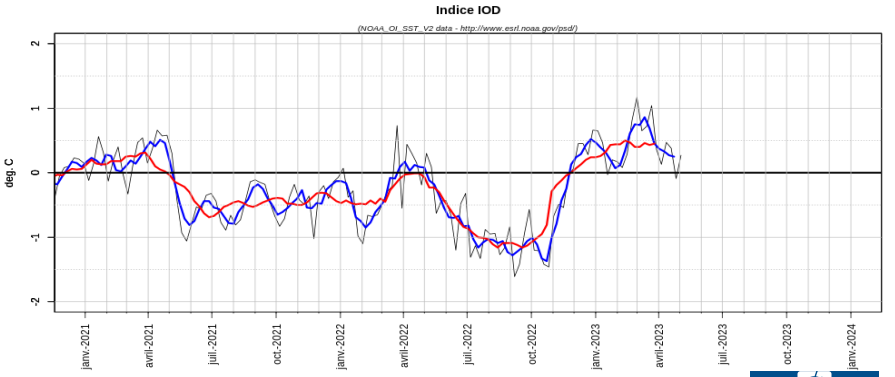


Signal Basse Fréquence - Zoom sur l'OI









Signal Basse Fréquence - Zoom sur l'OI

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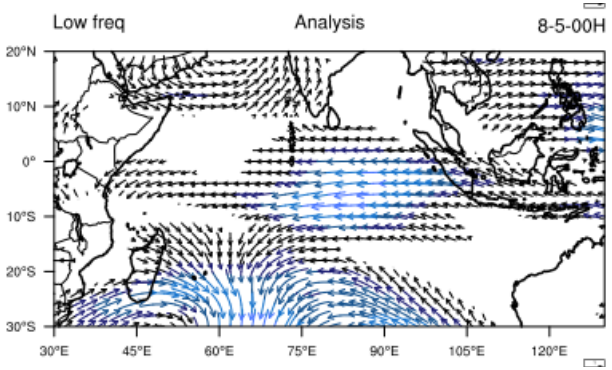
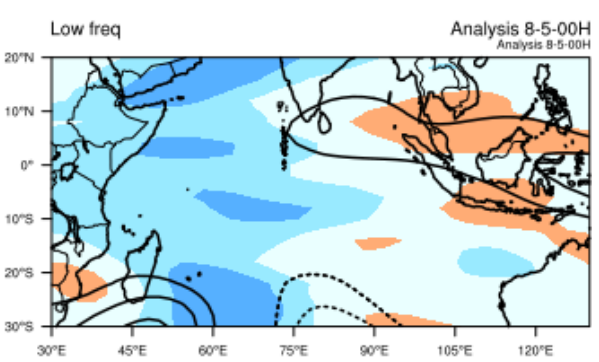
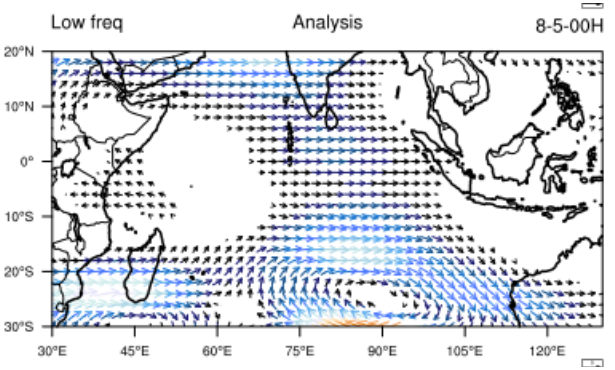
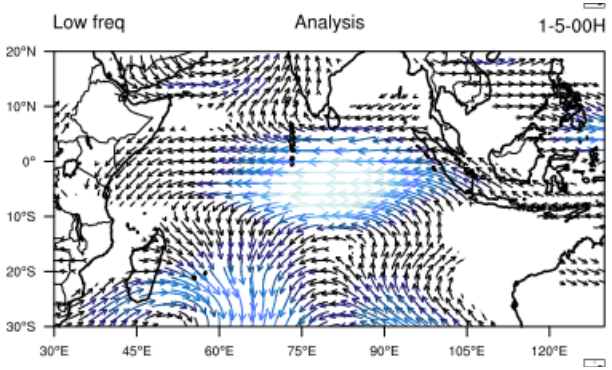
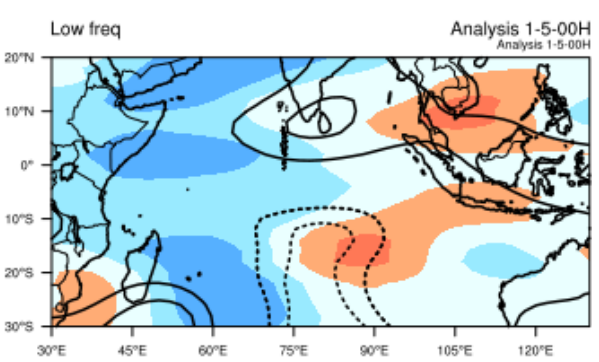
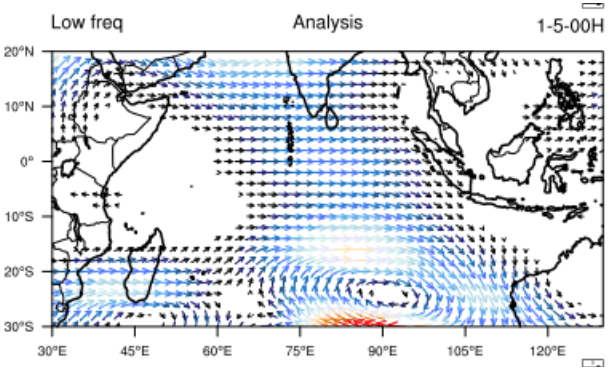
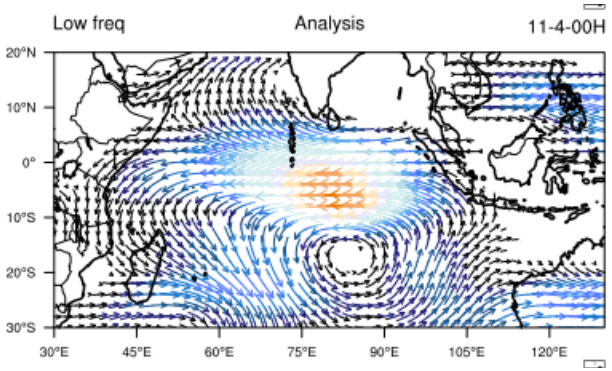
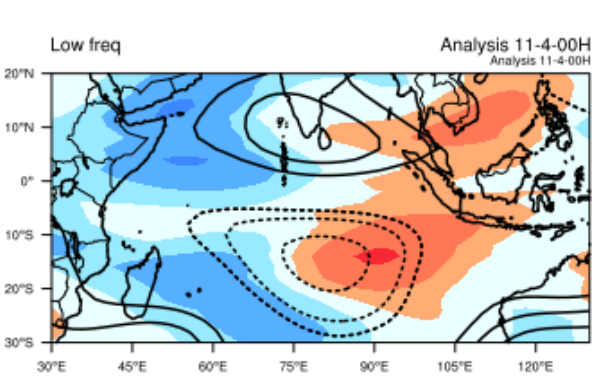
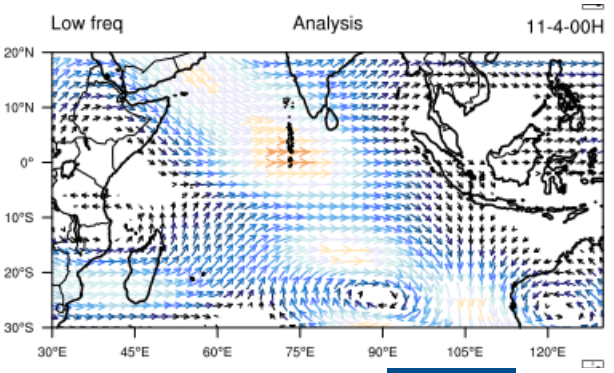
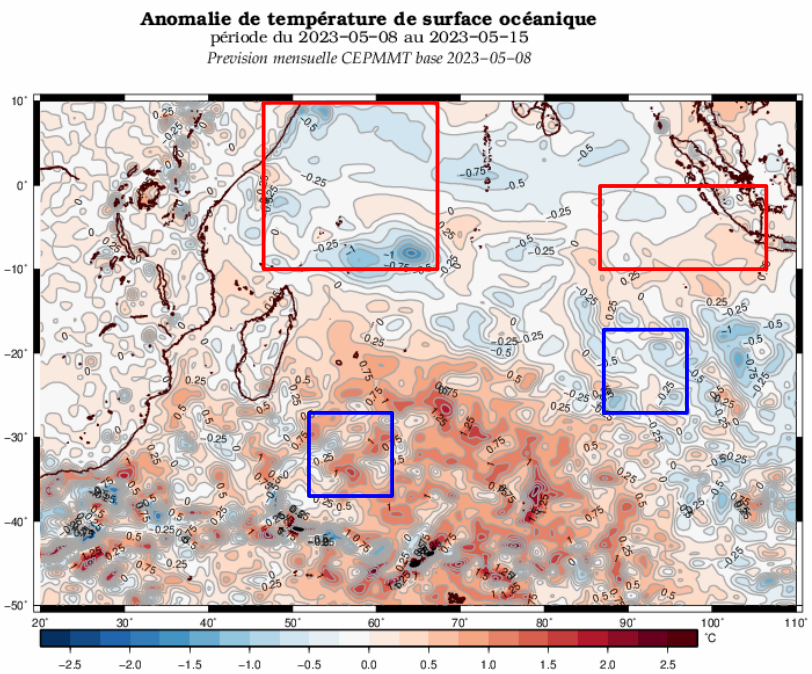
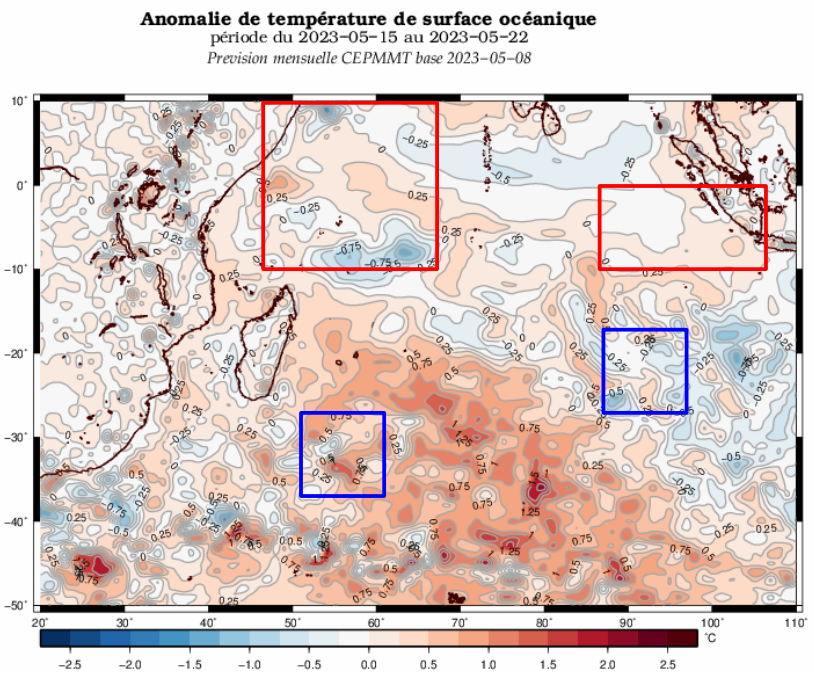
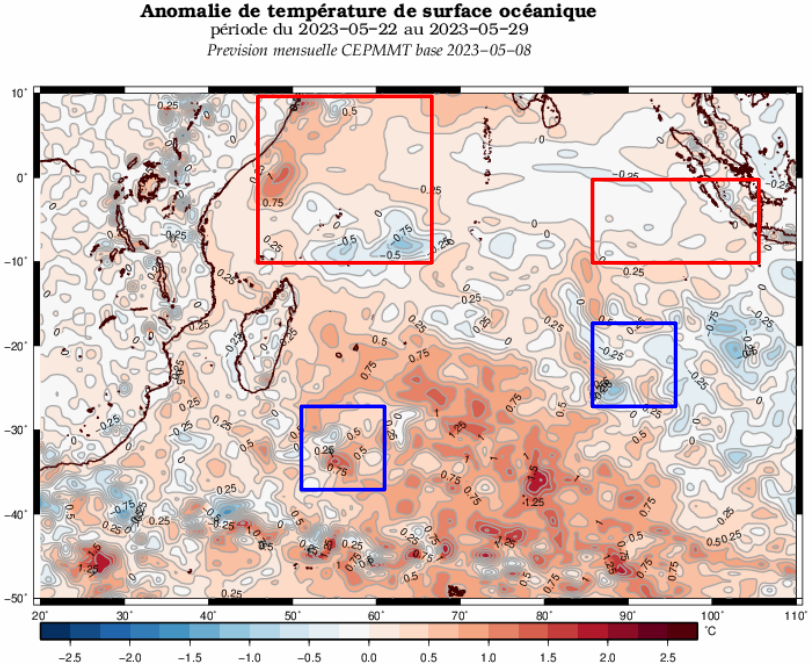
J0			
J-7			
J-28			

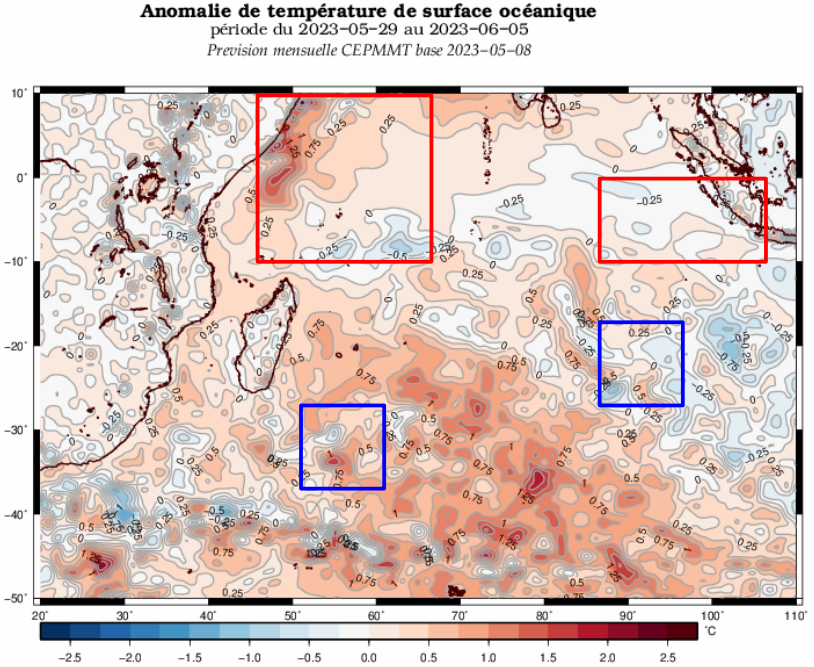
FRANCE

Signal Basse Fréquence – Prévision SST OI

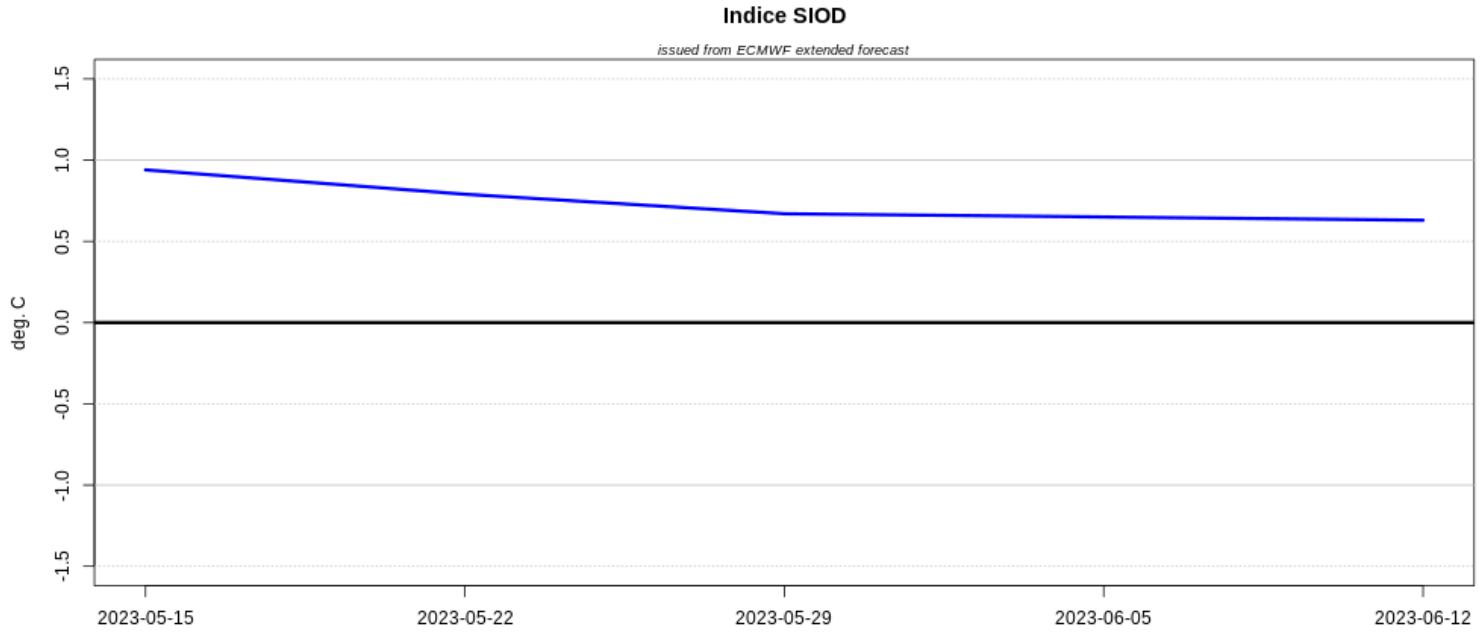


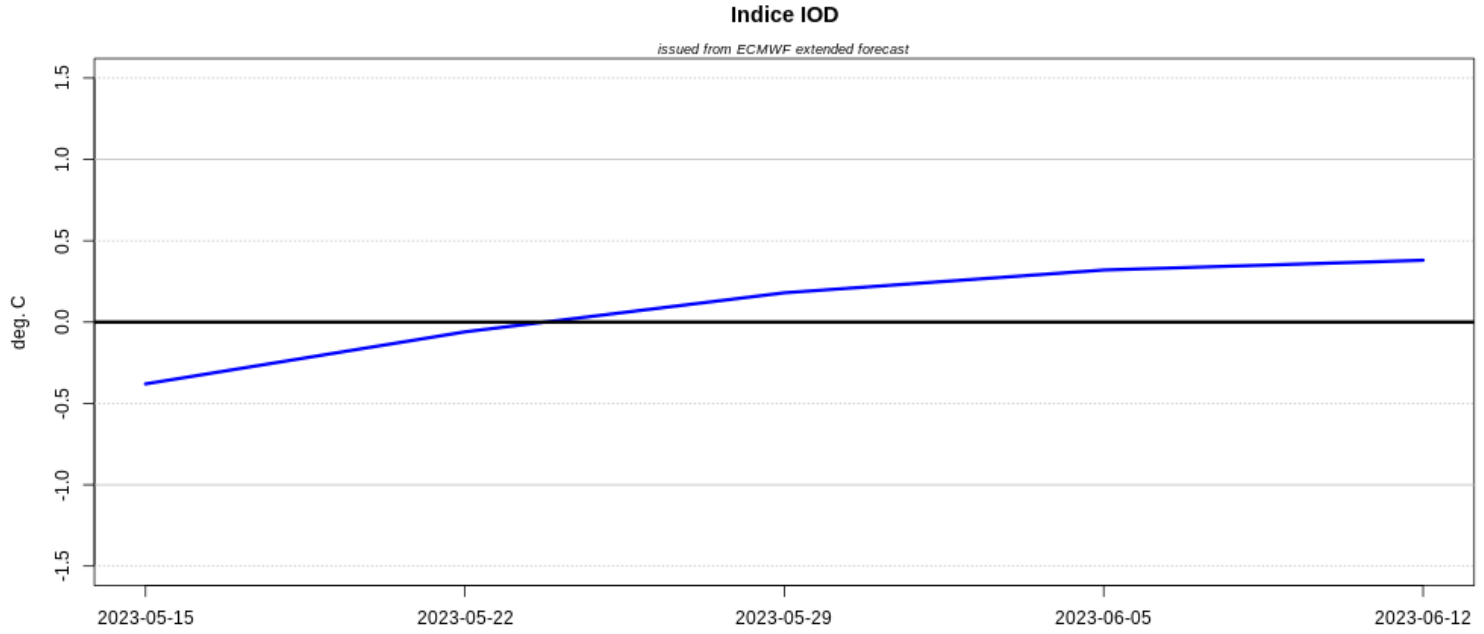






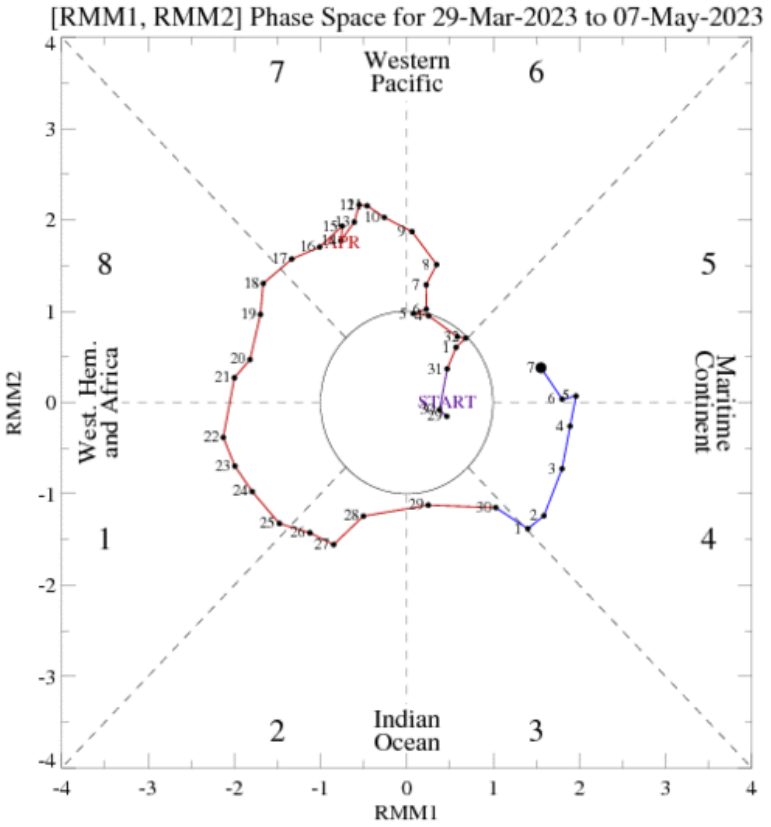
Signal Basse Fréquence – Prévision SST OI



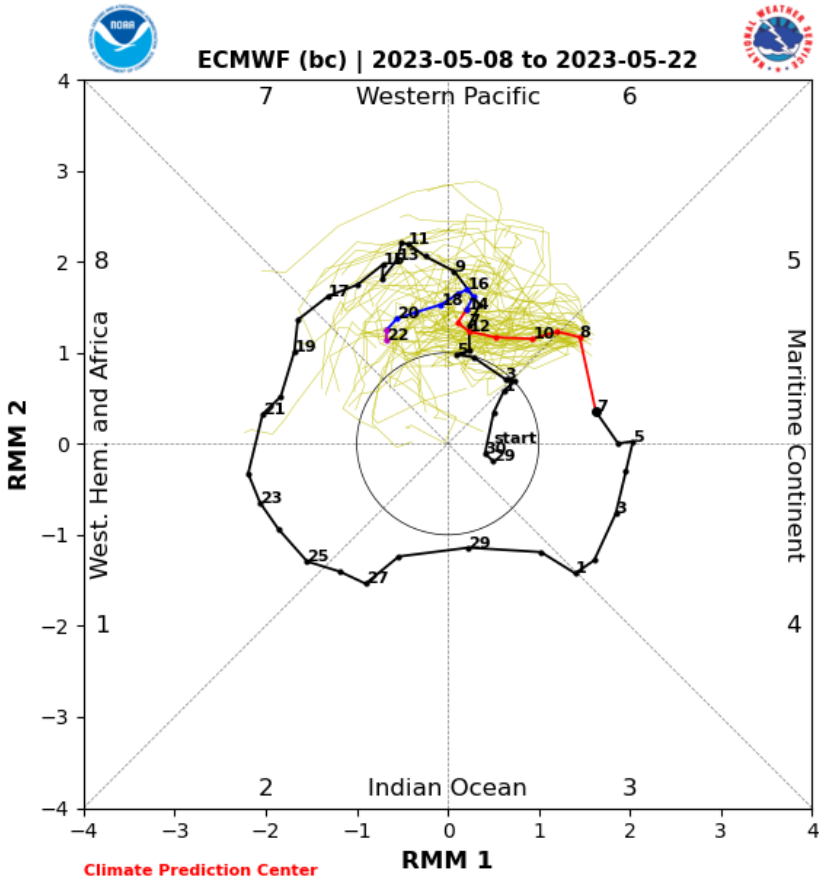


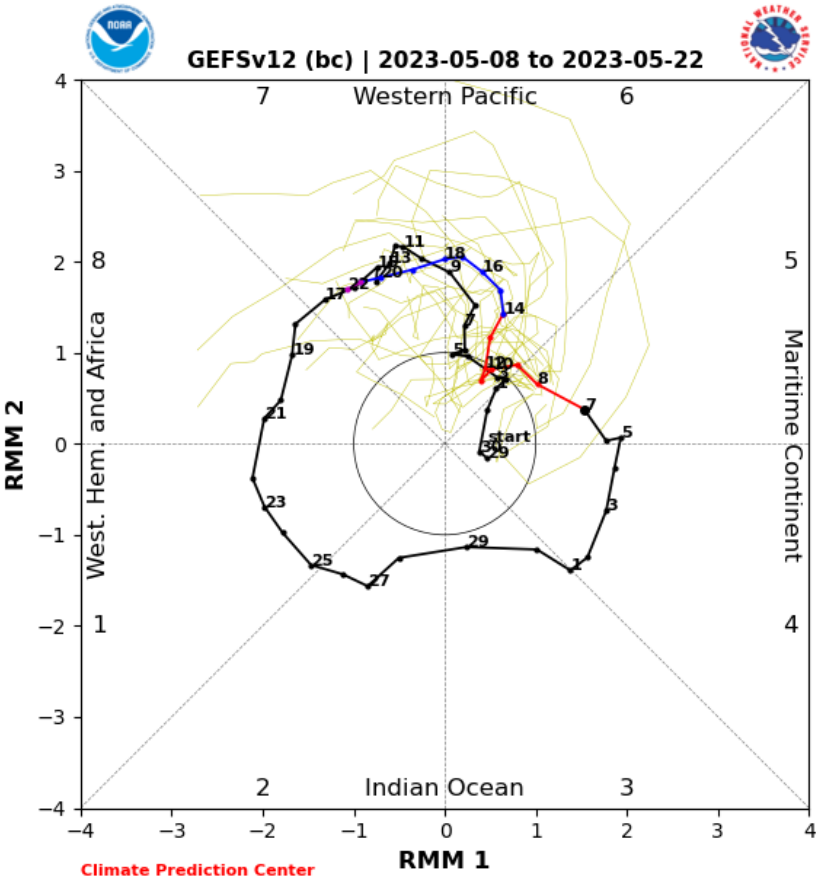
2. Prévision - MJO

2. MJO observée, indice RMM

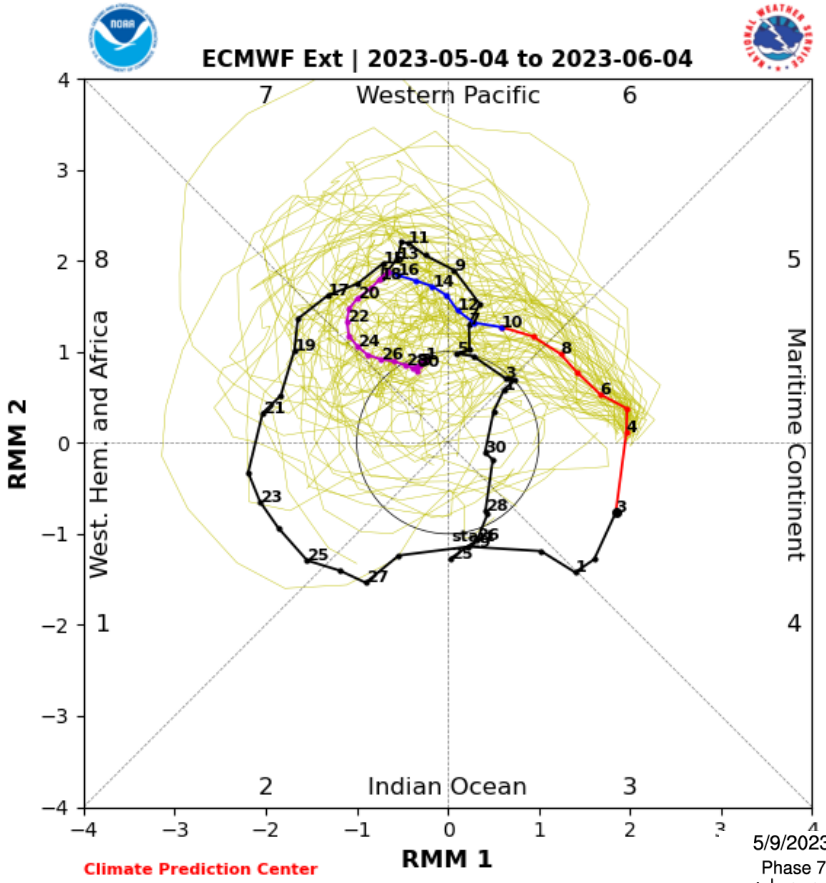


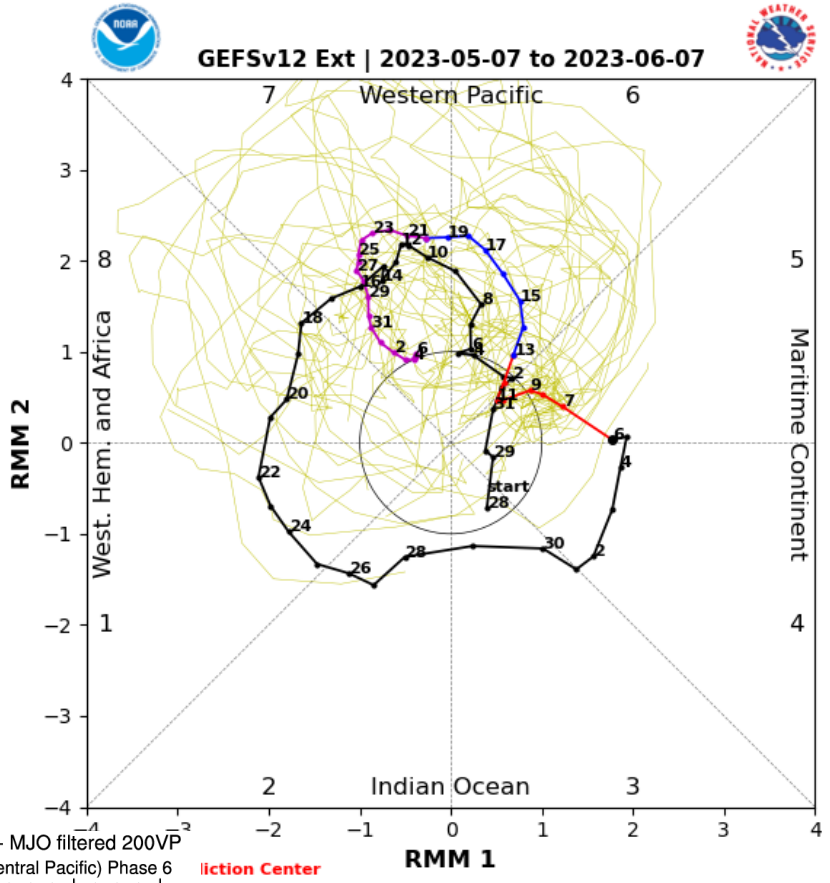
MJO prévue
indice RMM multi modèles

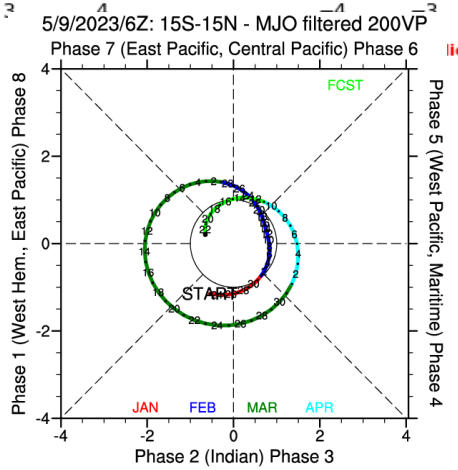




MJO prévue
indice RMM multi modèles



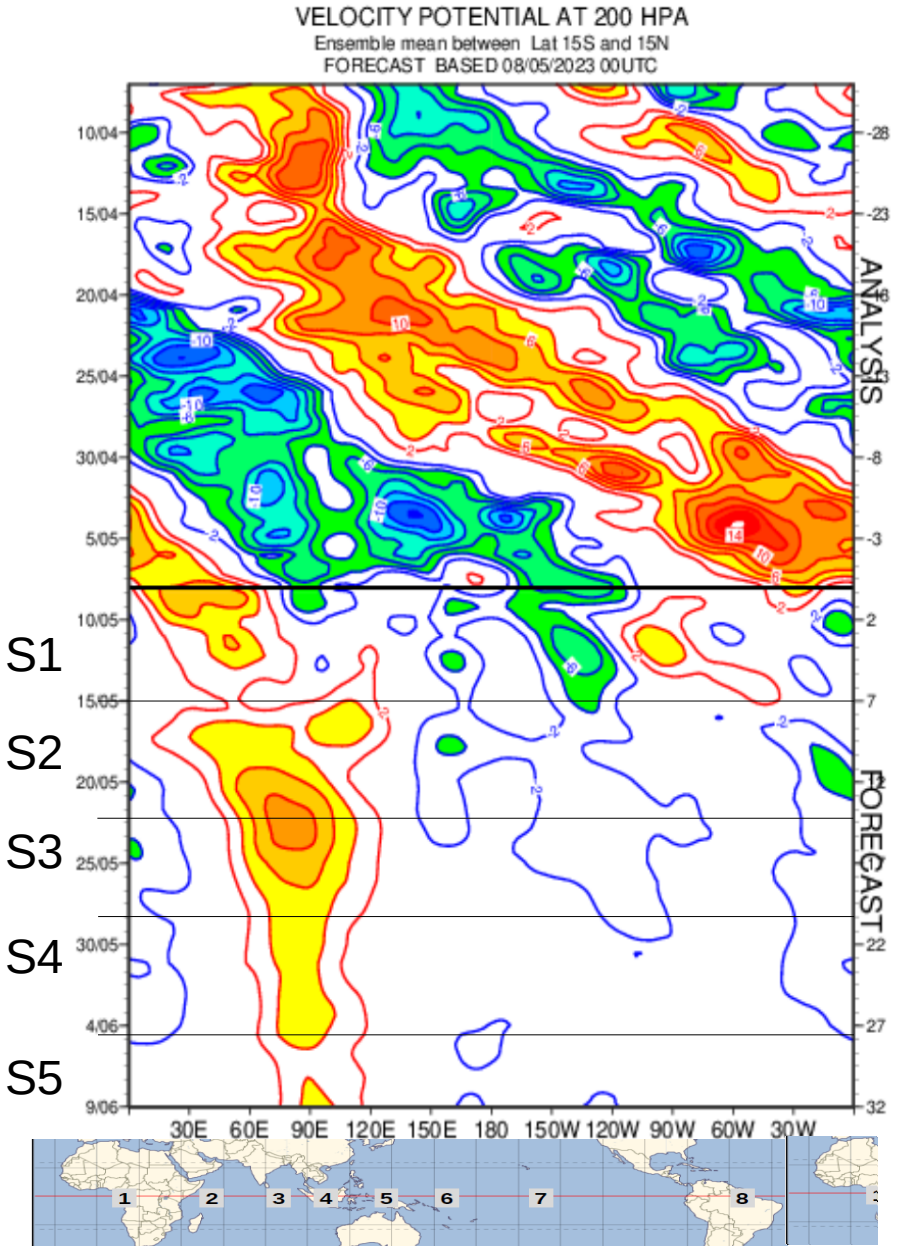




Indice VPM

VP200 – EPS mensuel

Moyenne EPS



S1

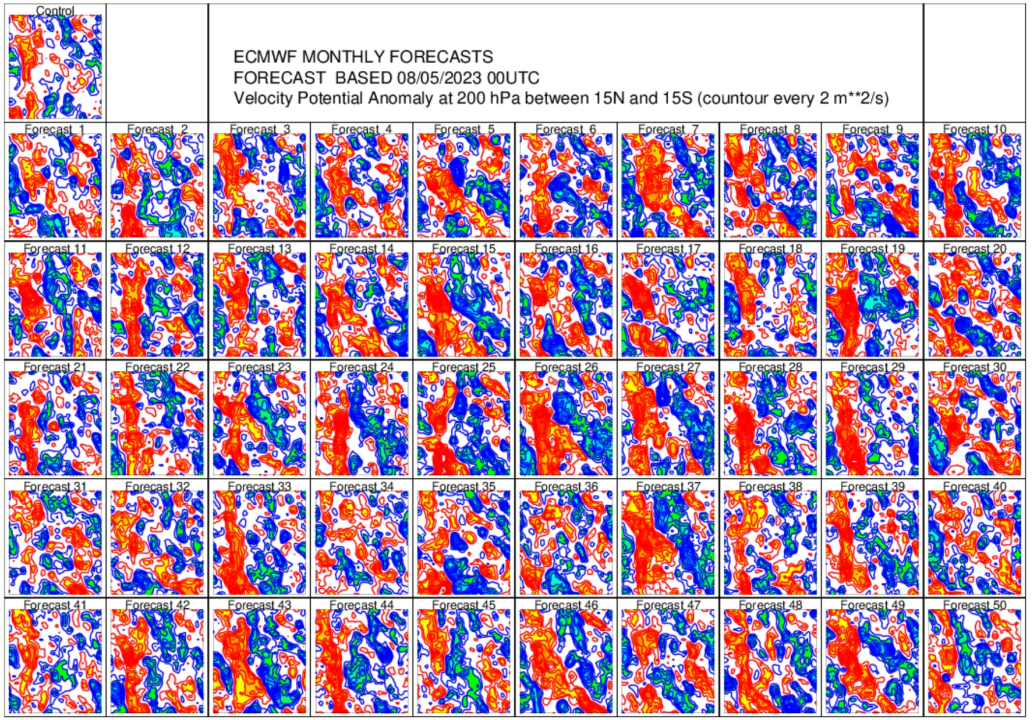
S2

S3

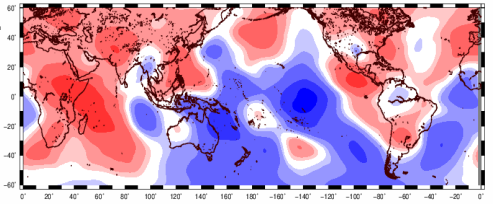
S4

S5

Prévisions 51 membres



S1



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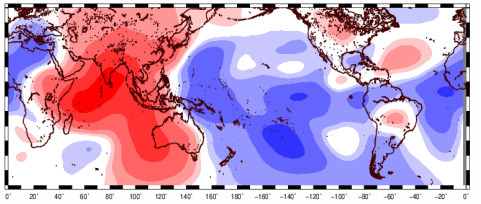

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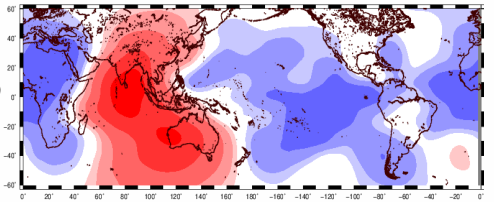

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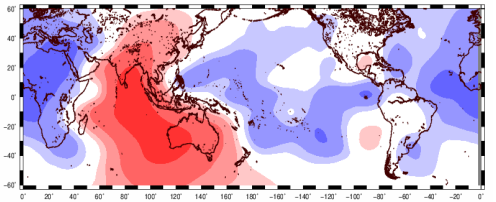
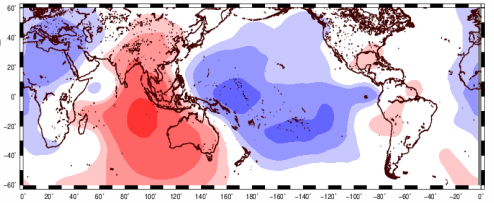


S5

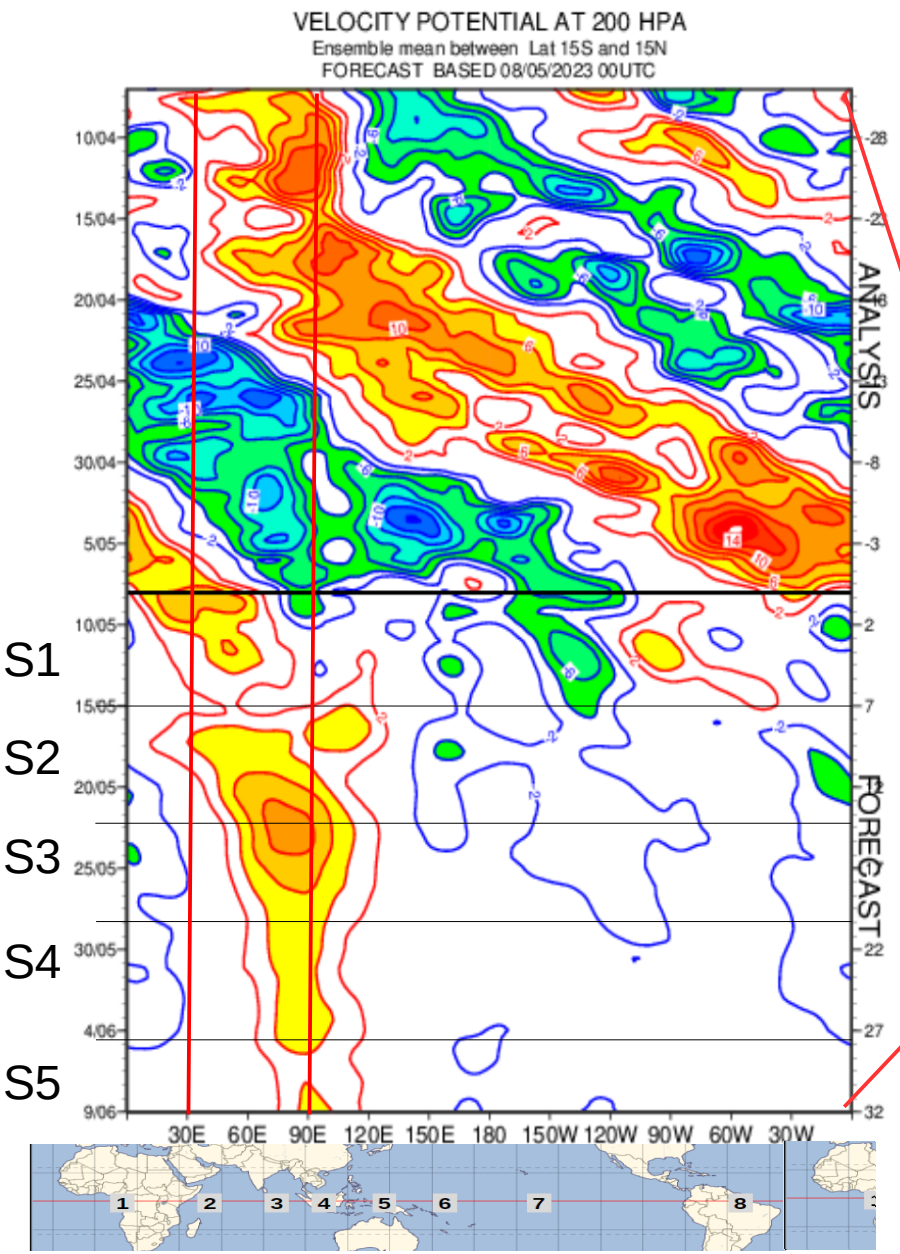


S1 : 08 mai-14 mai
S2 : 15 mai-21 mai
S3 : 22 mai-28 mai
S4 : 29 mai-04 juin
S5 : 05 juin-11 juin

METEO FRANCE

VP200 – EPS mensuel

Moyenne EPS



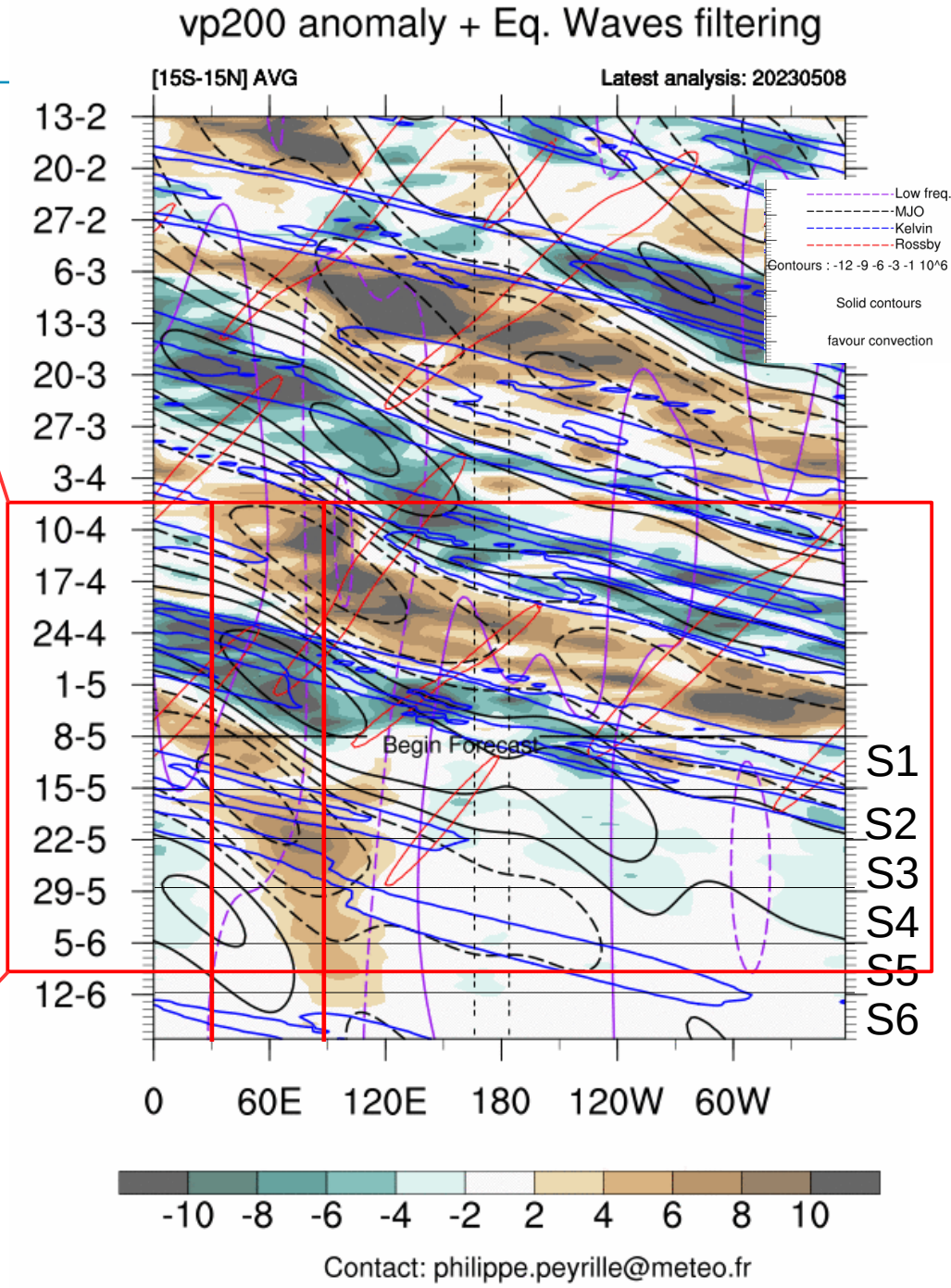
S1

S2

S3

S4

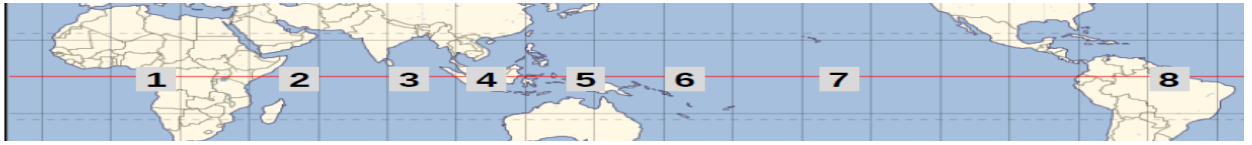
S5

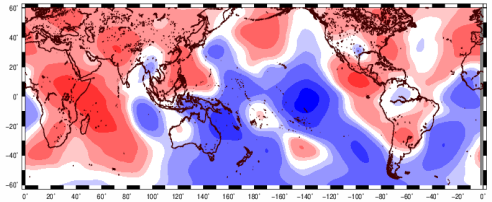


Contact: philippe.peyrille@meteo.fr

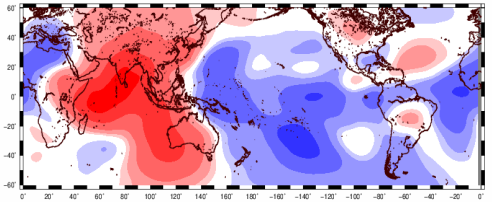
Synthèse MJO

	S1	S2	S3	S4	S5
Phase MJO prévue	X	X	X	X	X
Intensité	x	x	x	x	x
Confiance	x	x	x	x	x





S1



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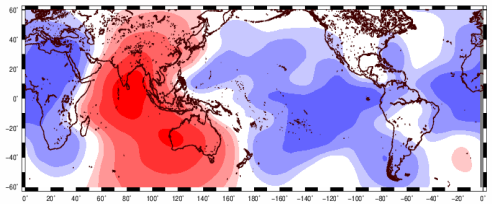

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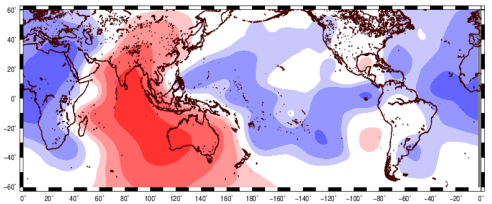
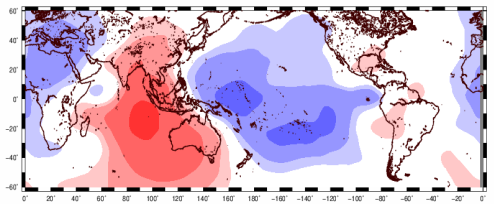


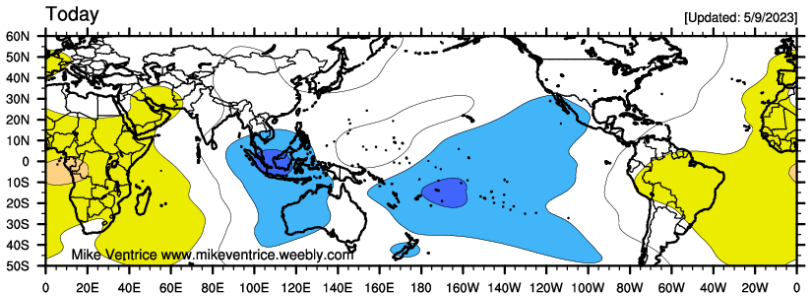
S4

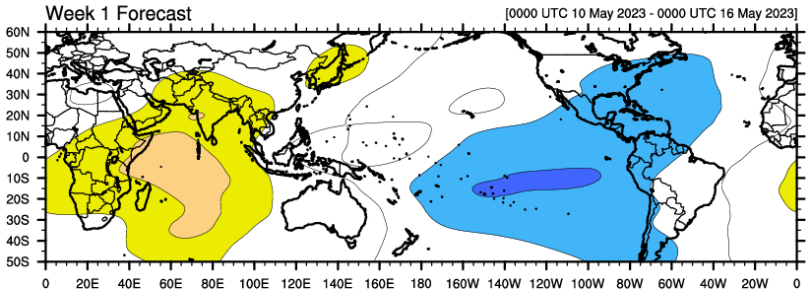


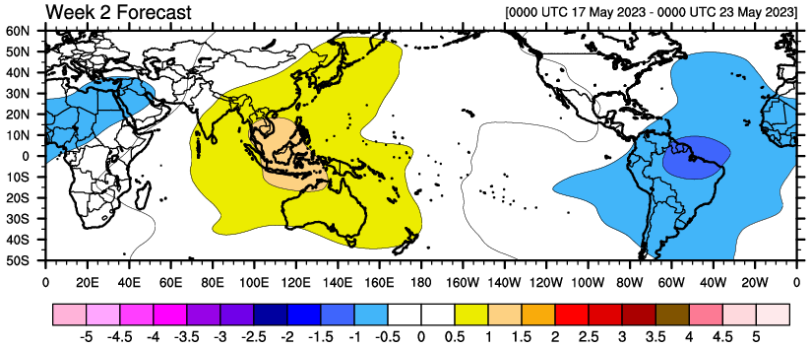
S5

S1 : 08 mai-14 mai
S2 : 15 mai-21 mai
S3 : 22 mai-28 mai
S4 : 29 mai-04 juin
S5 : 05 juin-11 juin

MJO filtered VP200 Forecast

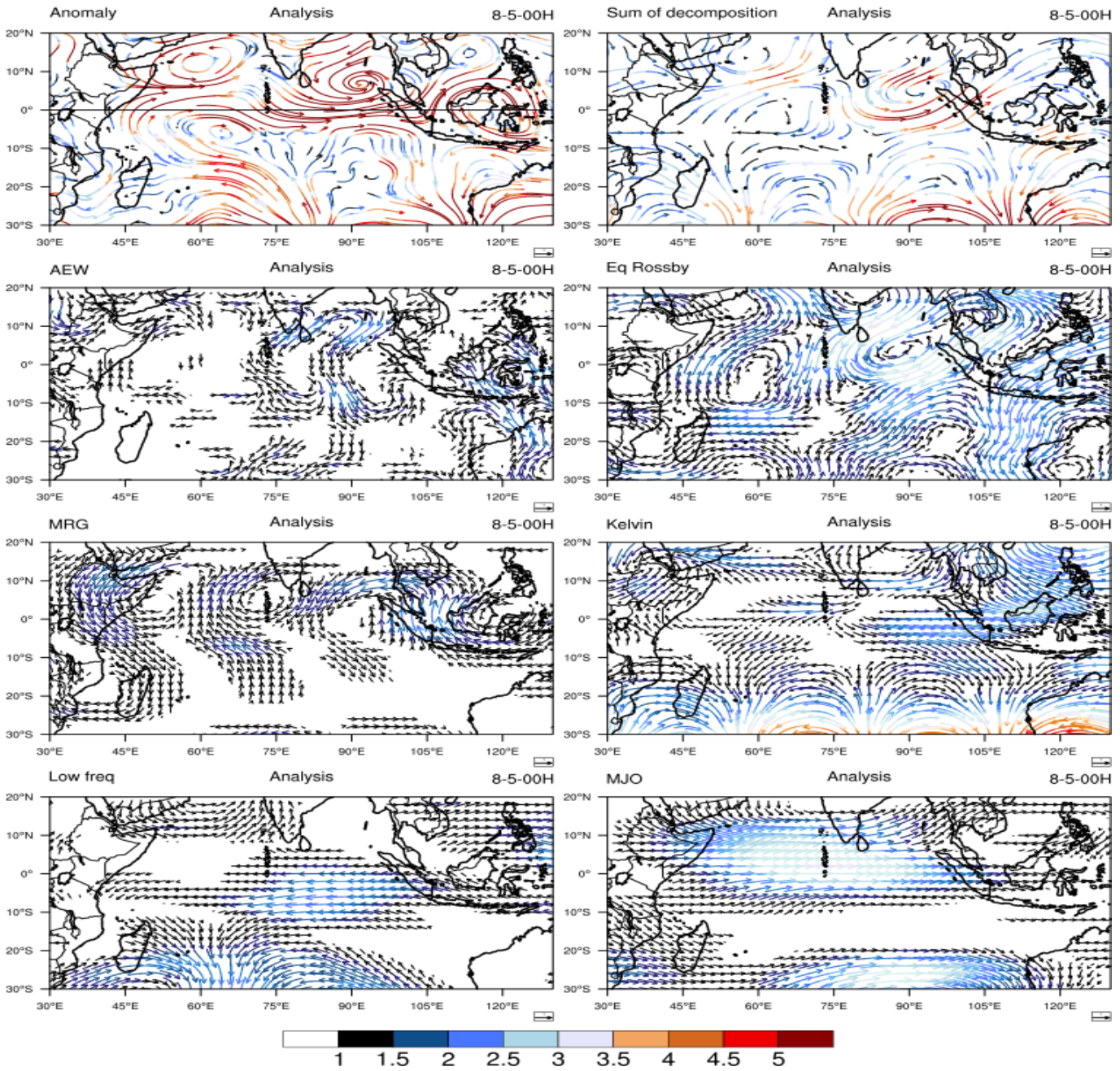




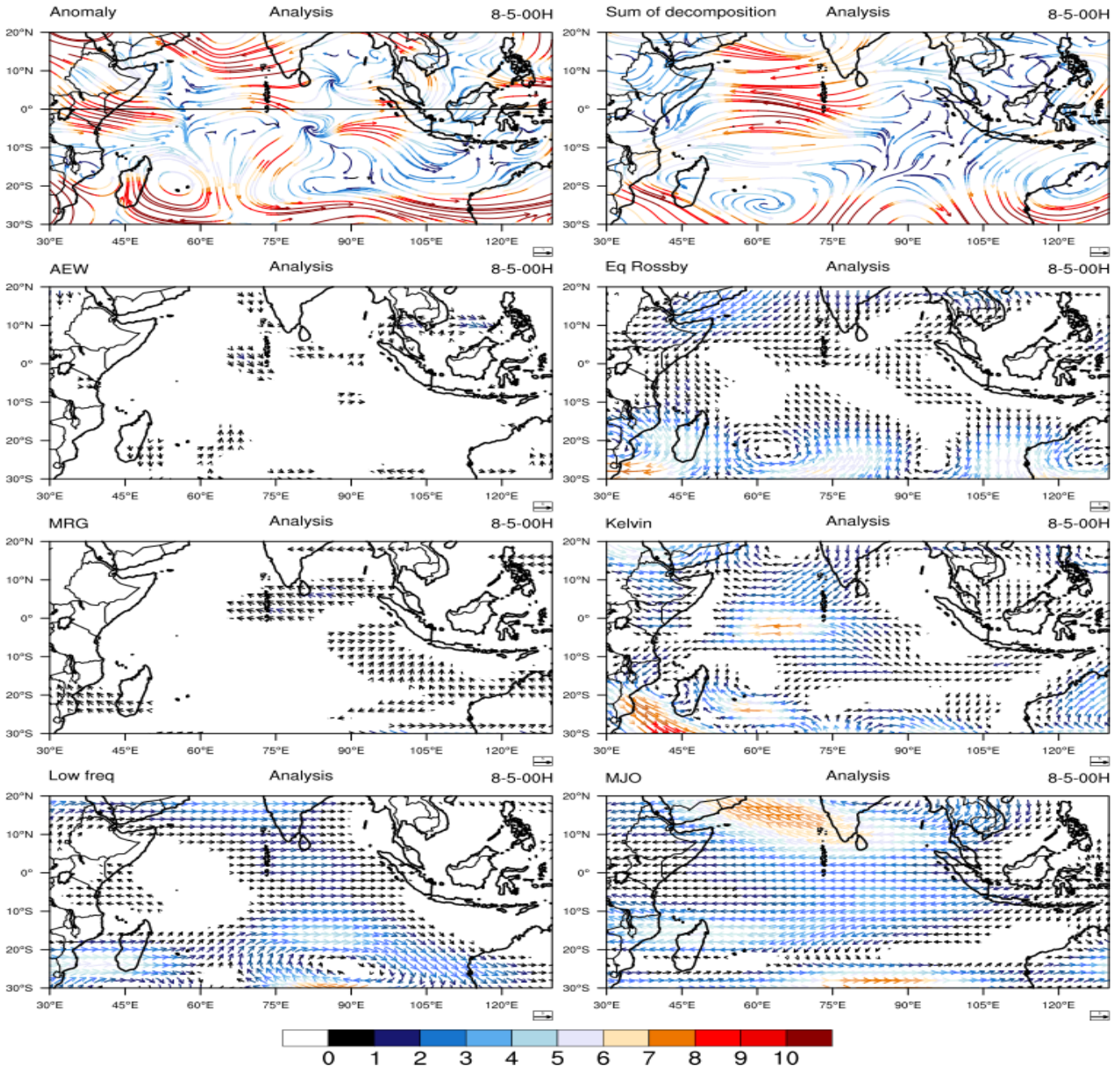


3. Prévision – Ondes équatoriales

3. Ondes équatoriales



3. Ondes équatoriales



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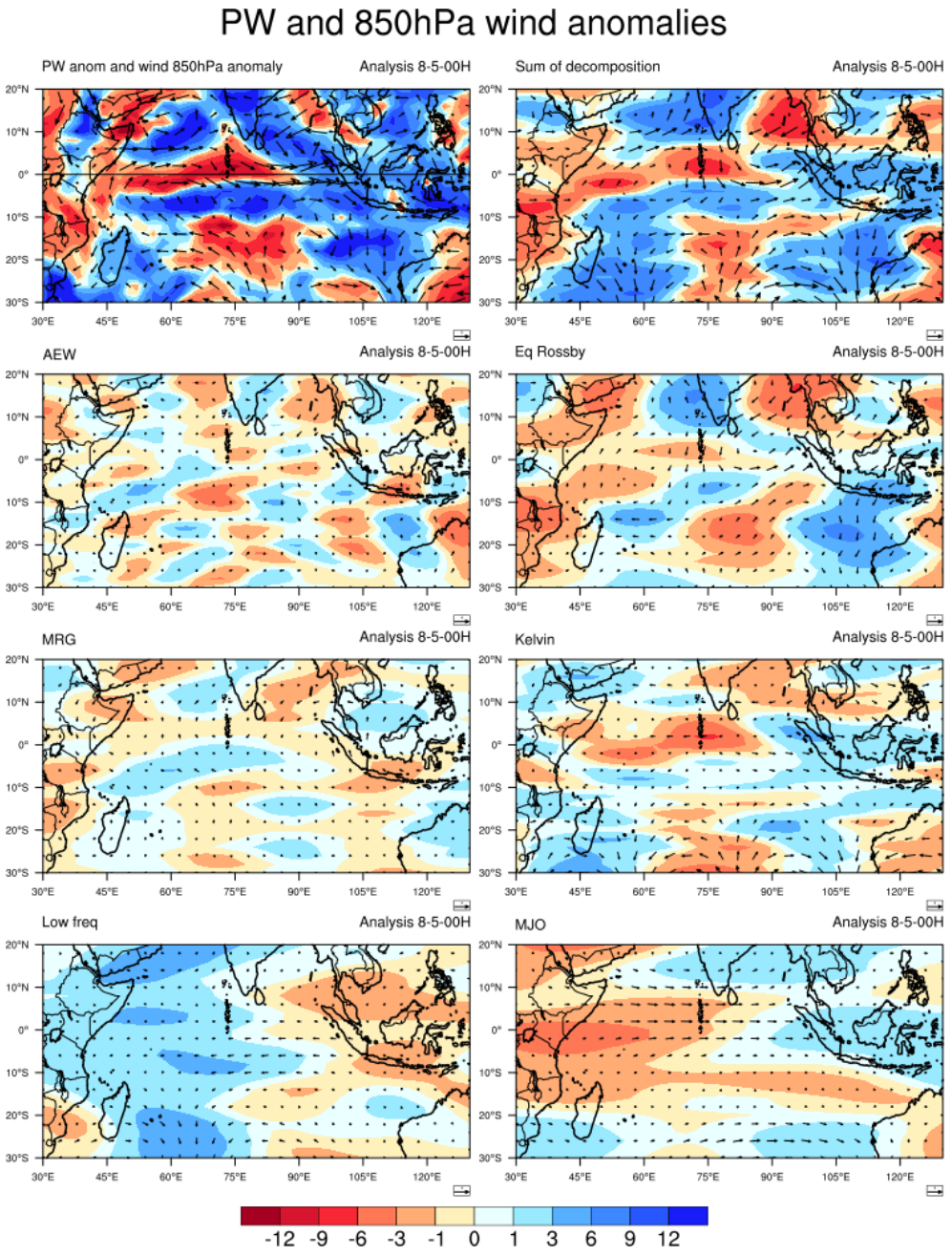
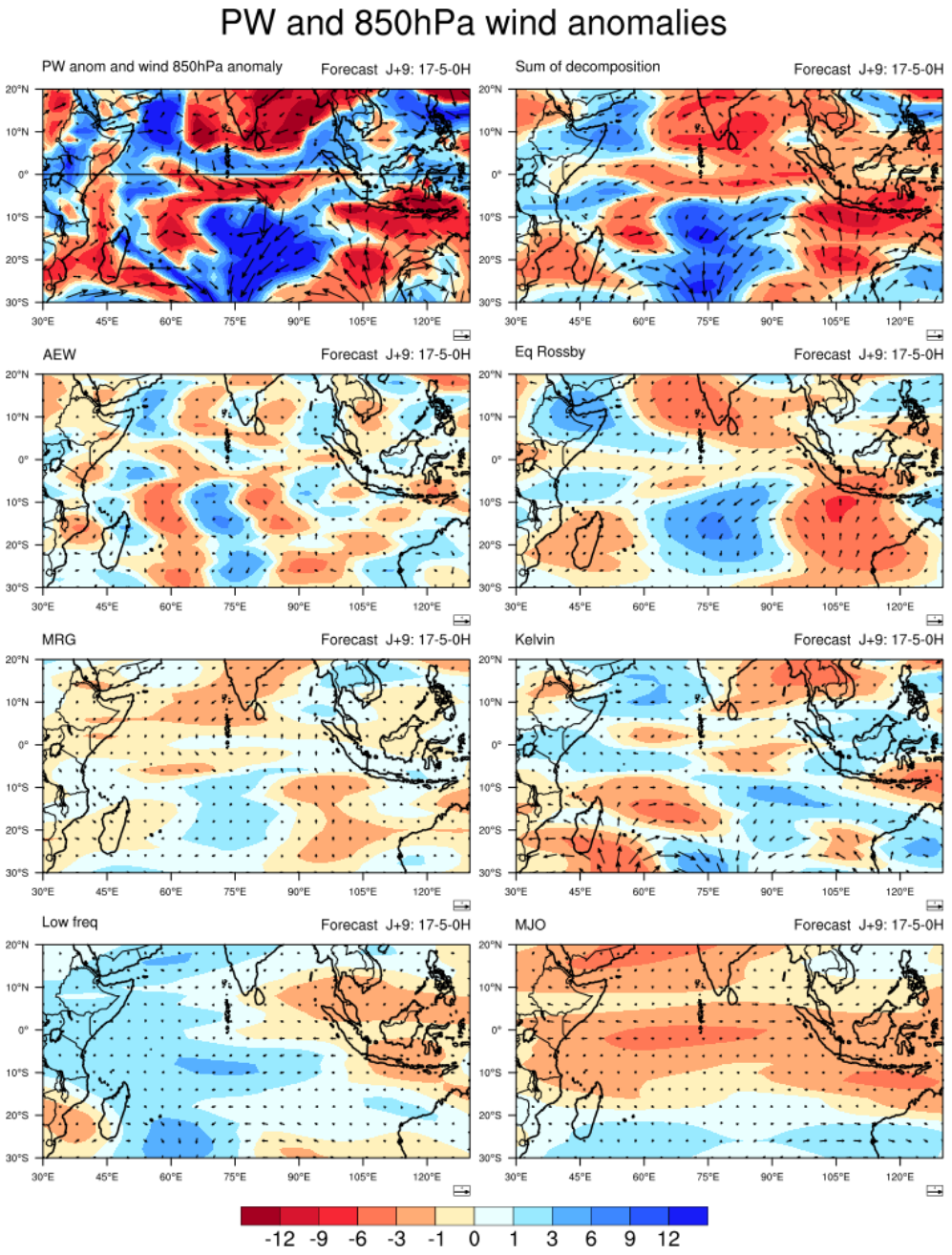
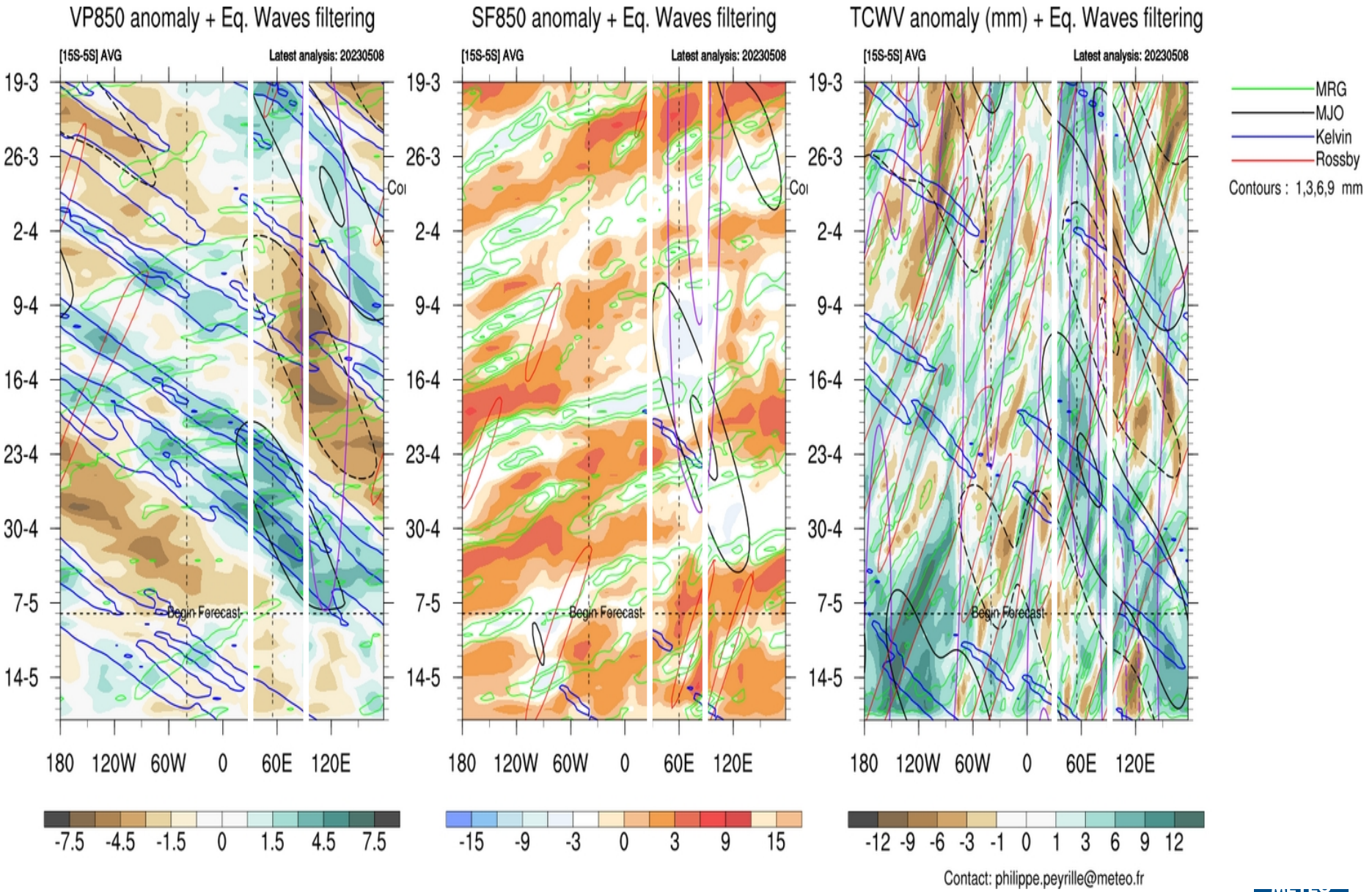


3. Ondes équatoriales

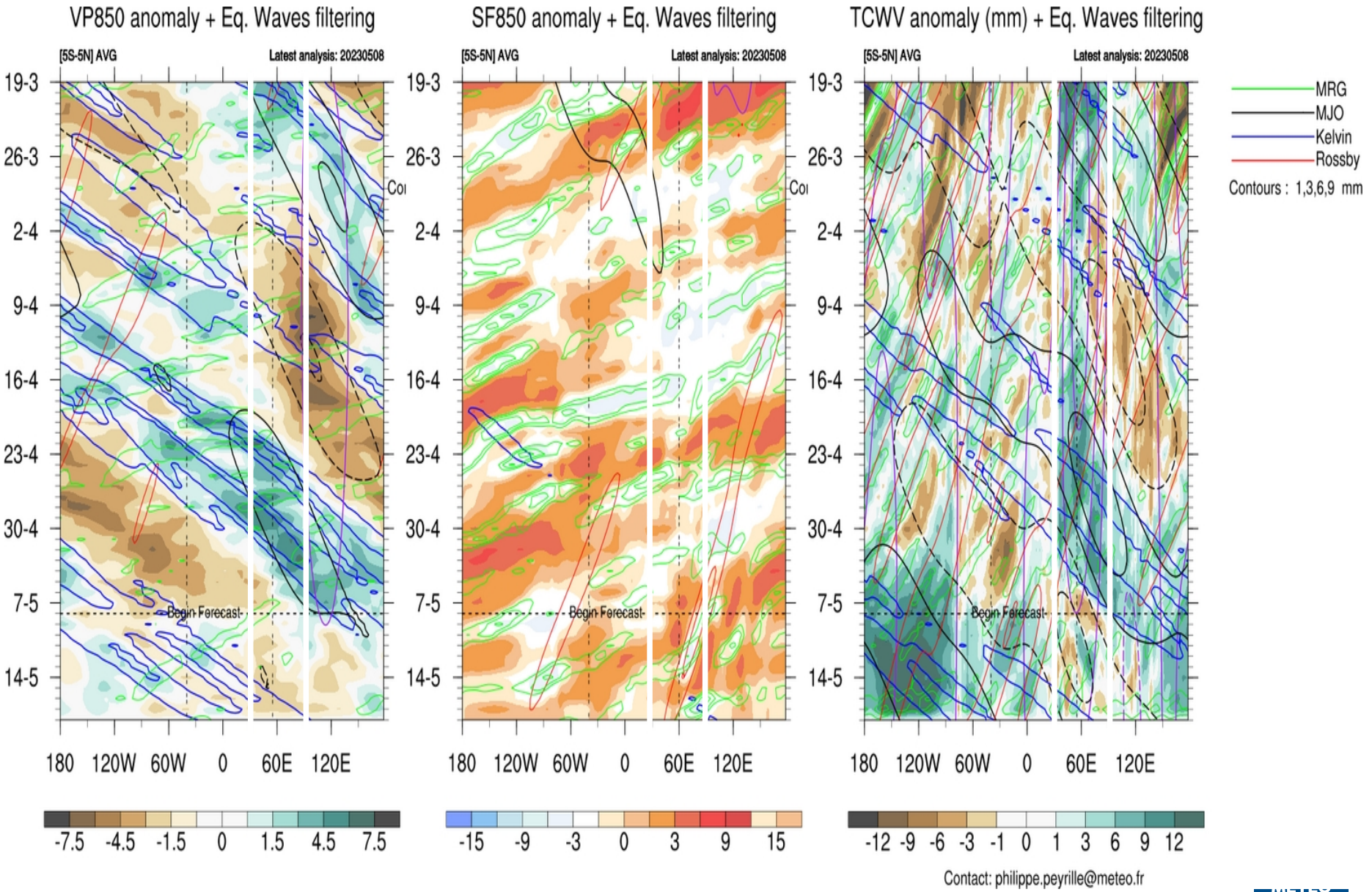


3. Ondes équatoriales



Contact: philippe.peyrille@meteo.fr

3. Ondes équatoriales



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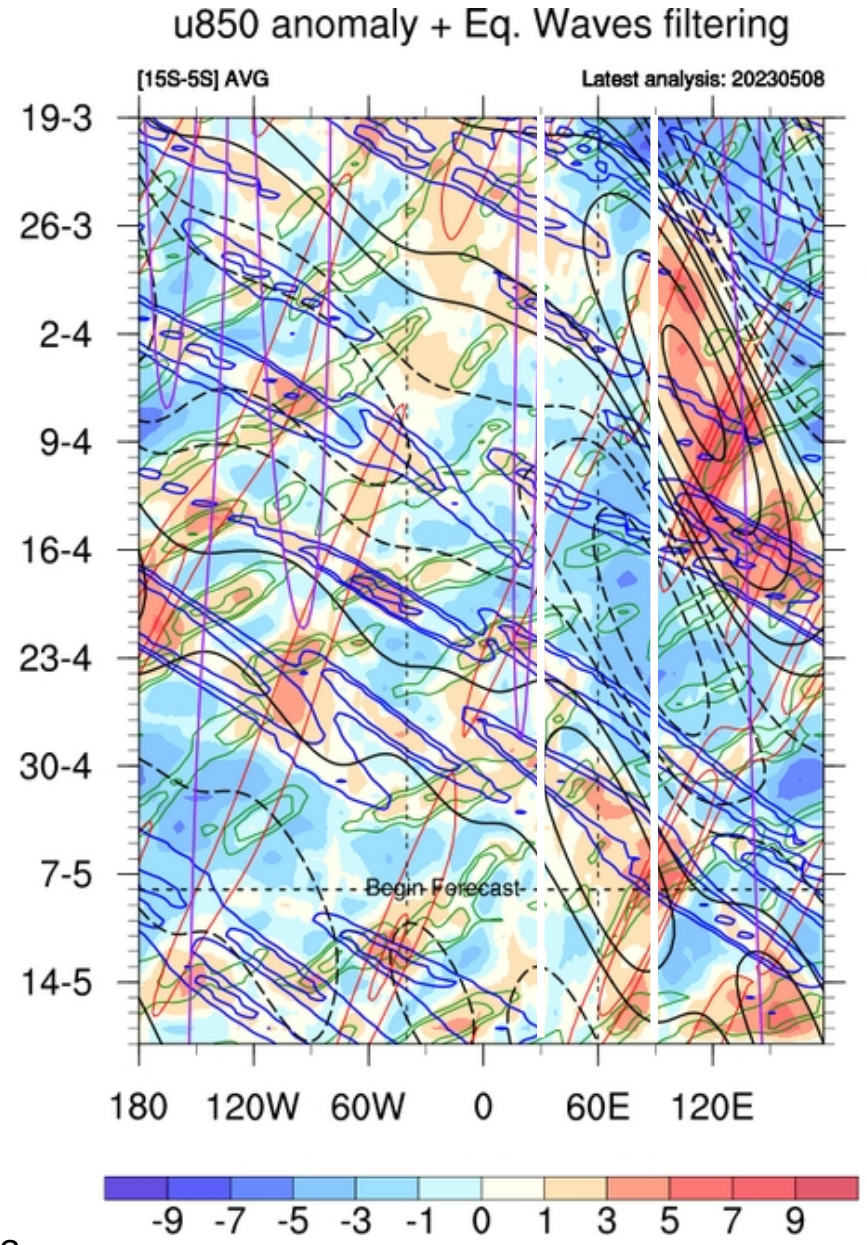
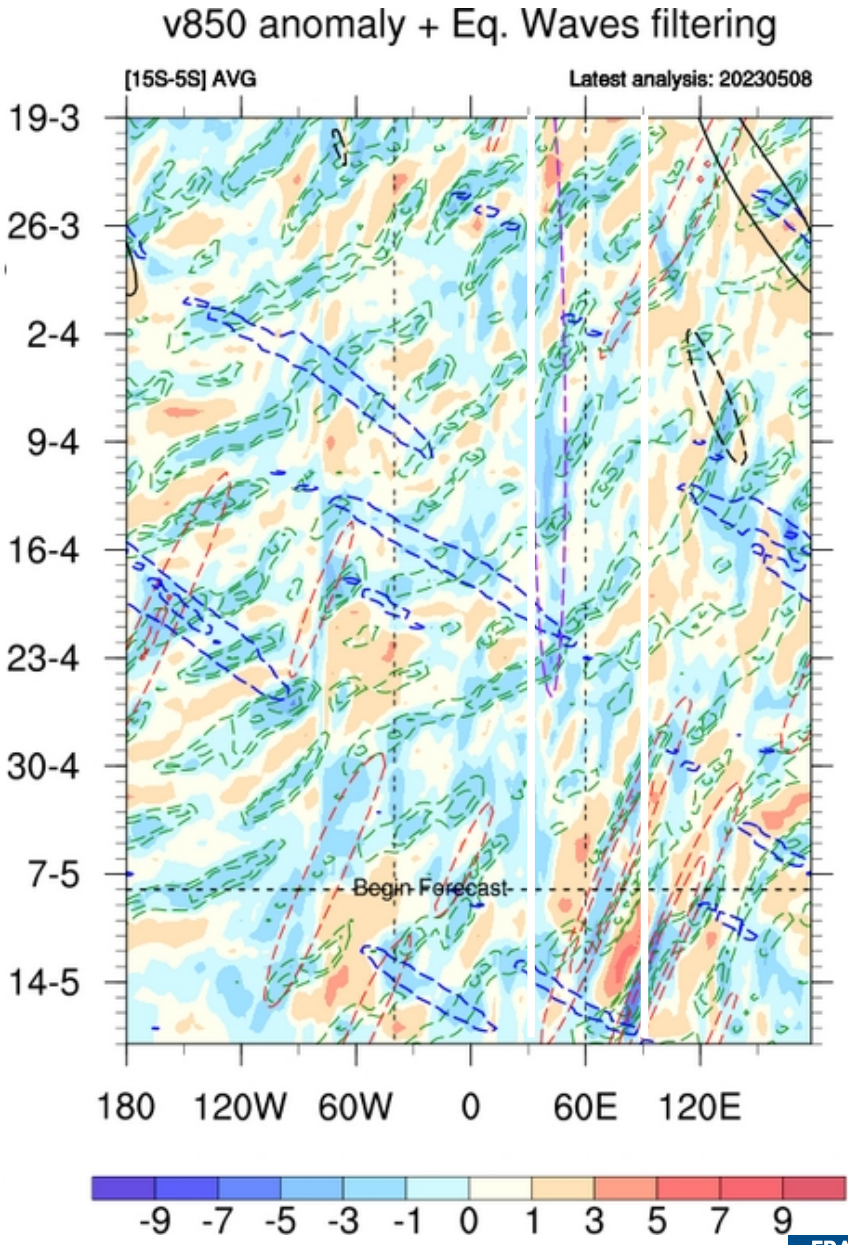
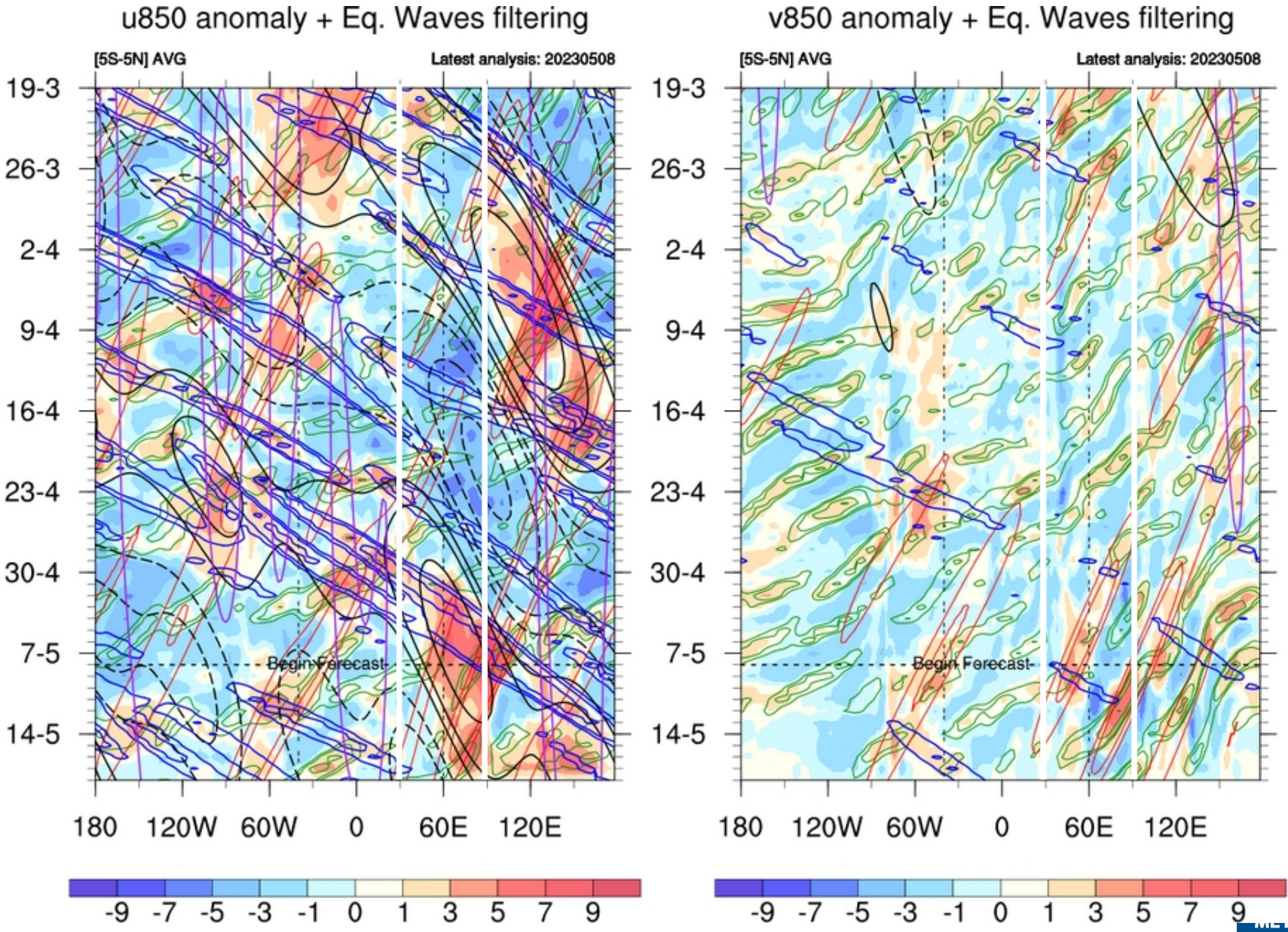




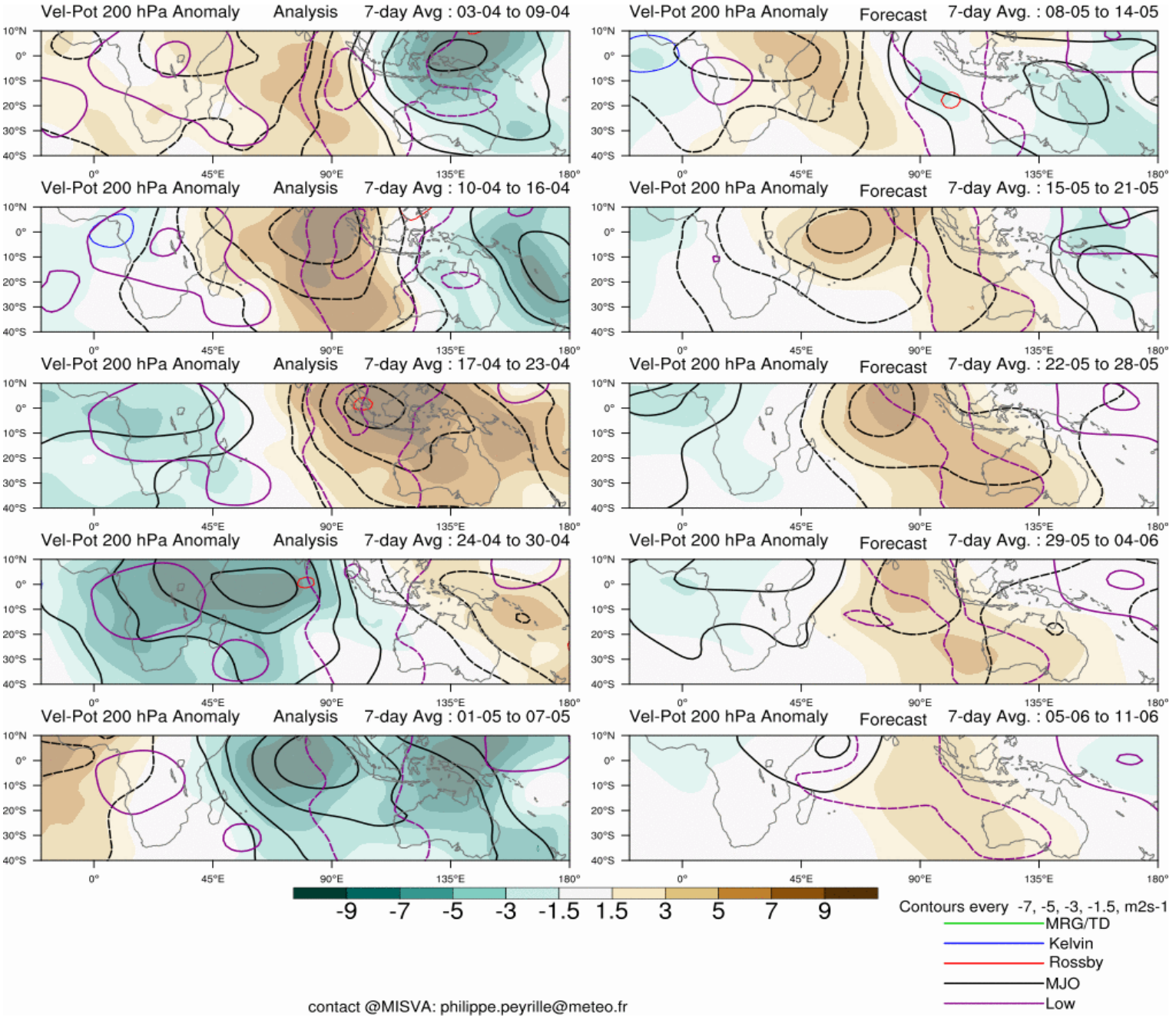
3. Ondes équatoriales



VP200 – MJO, ER dans l'Indien

Analyse

S1 à S4



S1

S2

S3

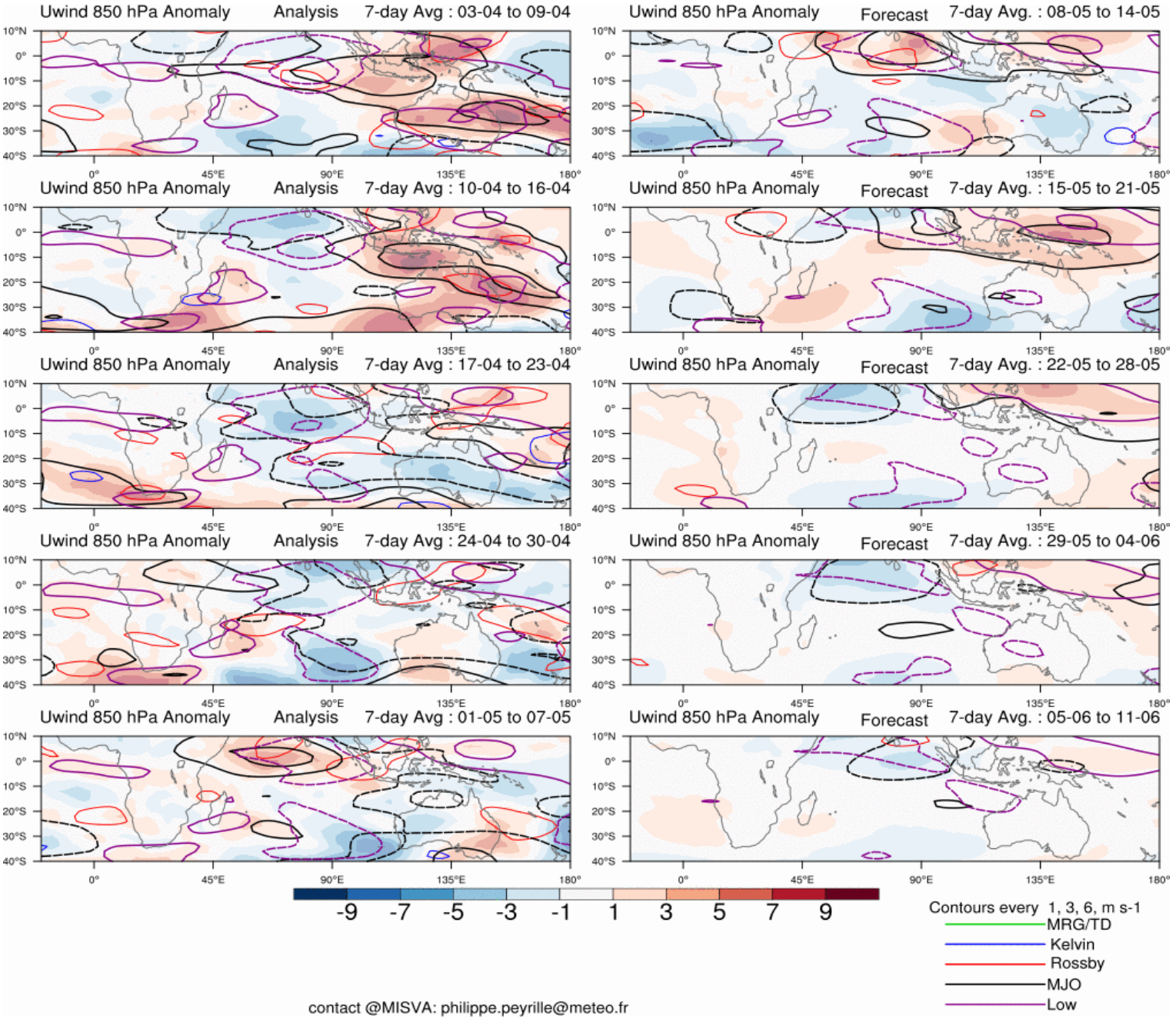
S4

S5

U850 – MJO, ER dans l'Indien

Analyse

S1 à S4



S1

S2

S3

S4

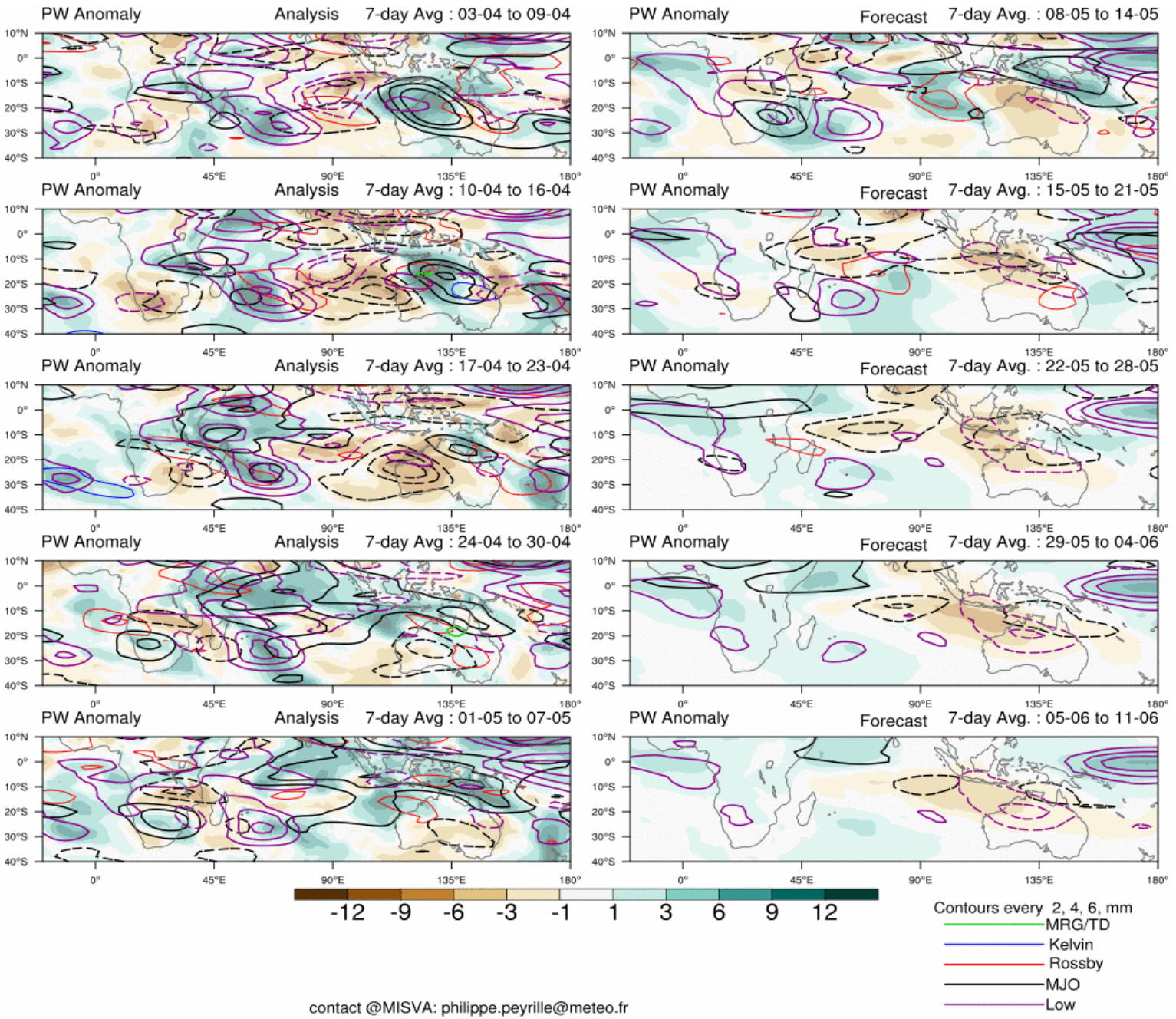
S5

contact @MISVA: philippe.peyrille@meteo.fr

PW – MJO, ER dans l'Indien

Analyse

S1 à S4



S1

S2

S3

S4

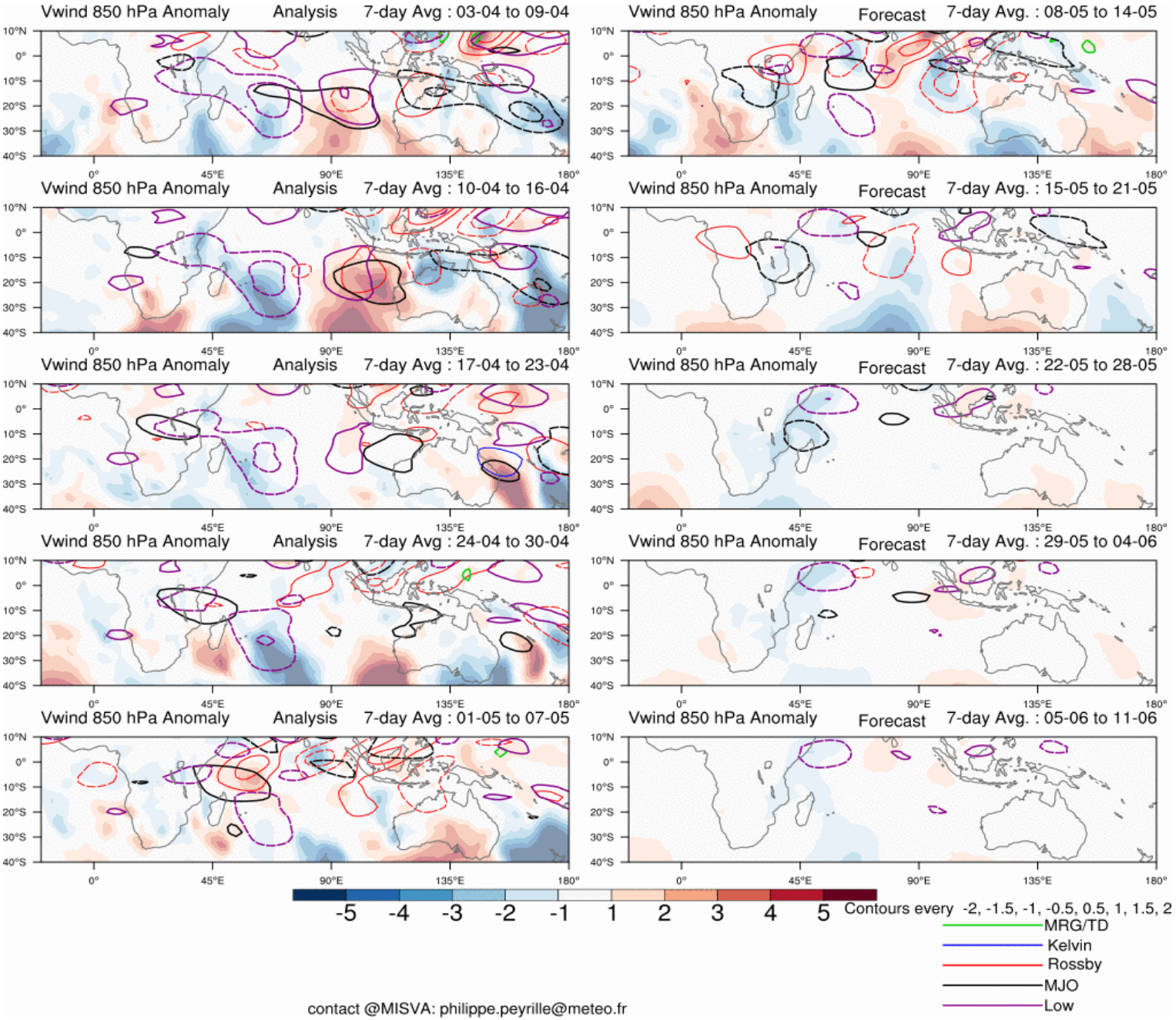
S5

contact @MISVA: philippe.peyrille@meteo.fr

V850 – MJO, ER dans l'Indien

Analyse

S1 à S4



S1

S2

S3

S4

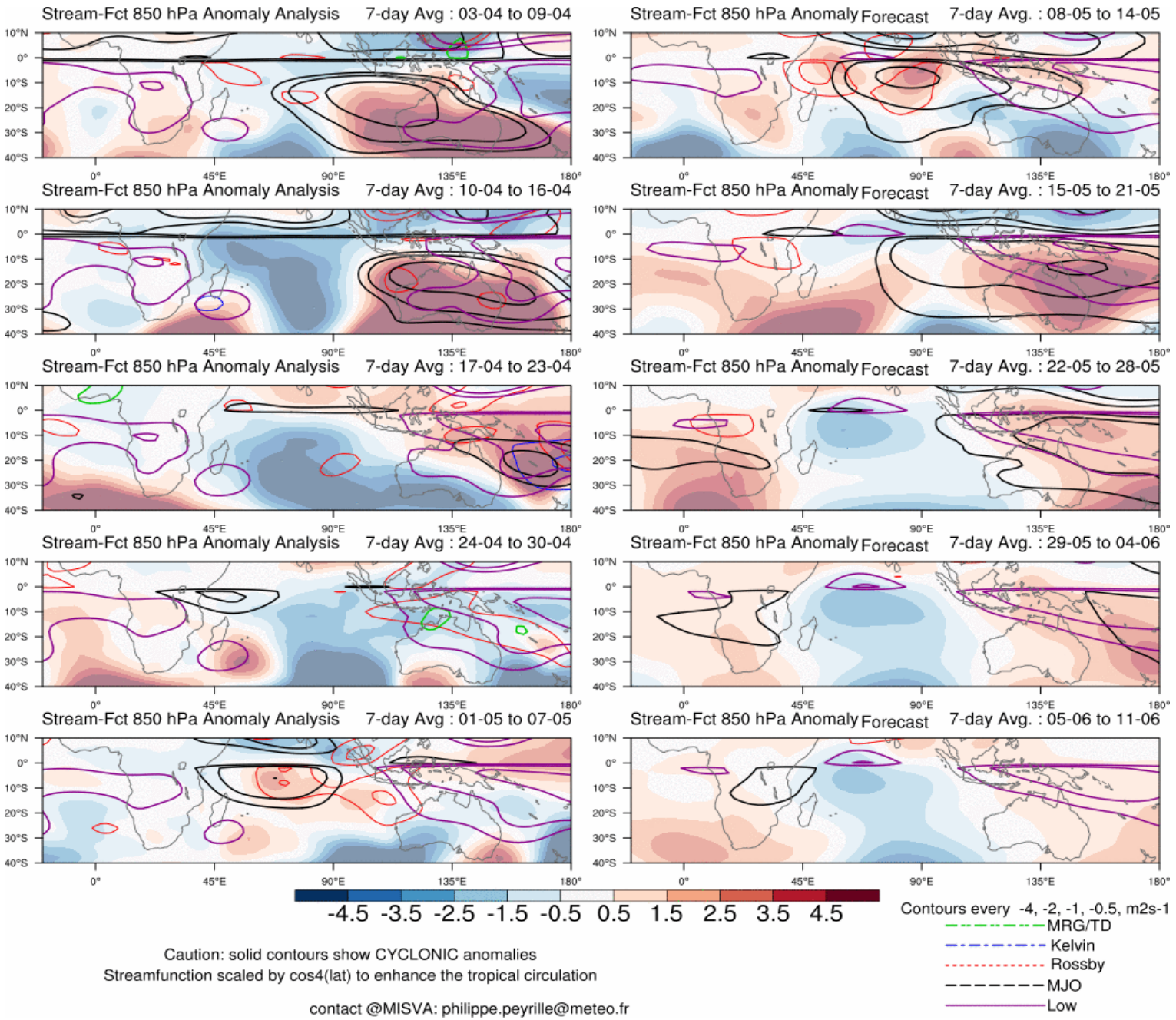
S5

contact @MISVA: philippe.peyrille@meteo.fr

SF850 – MJO, ER dans l'Indien

Analyse

S1 à S4



S1

S2

S3

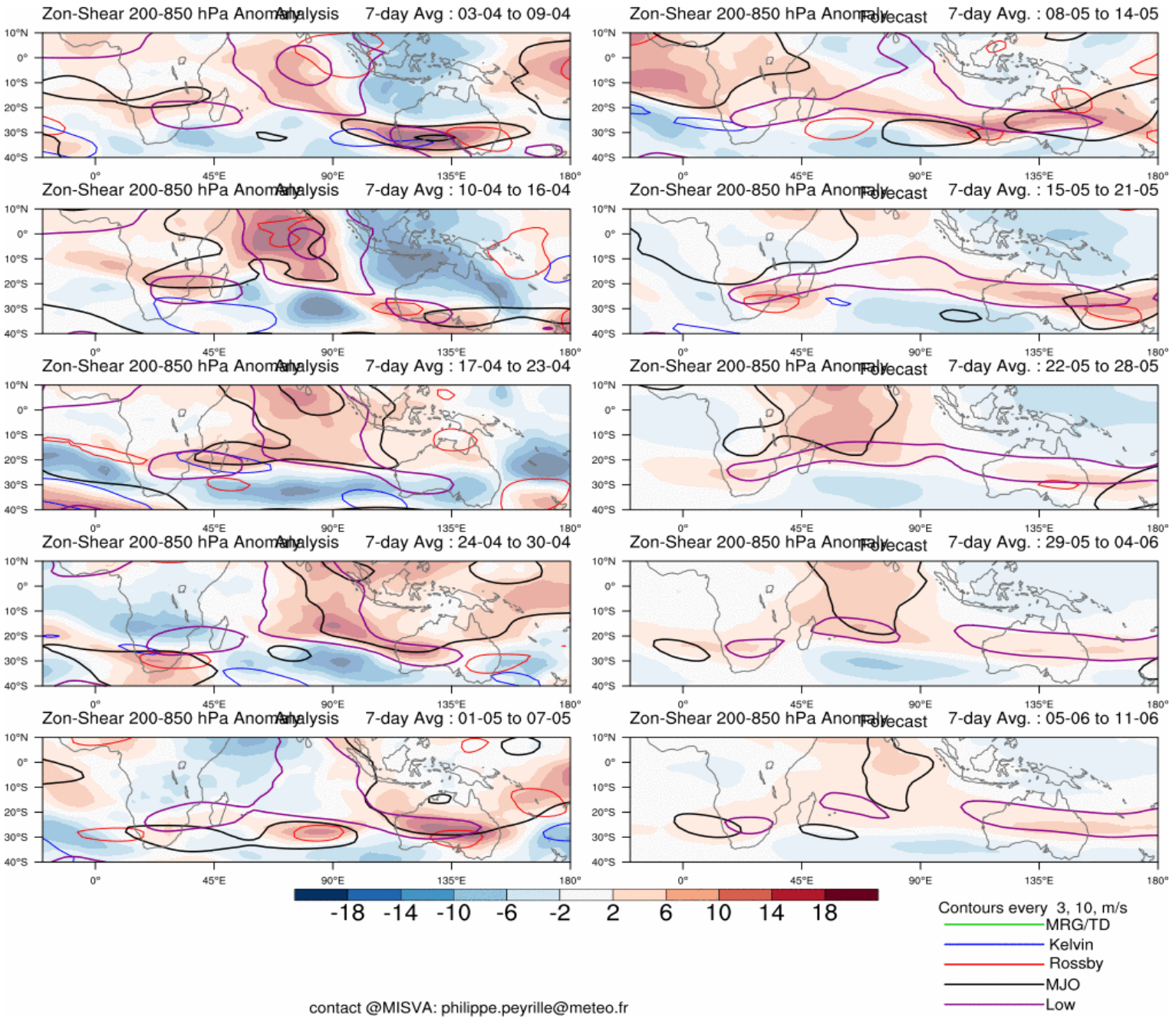
S4

S5

U_{shear} – MJO, ER dans l'Indien

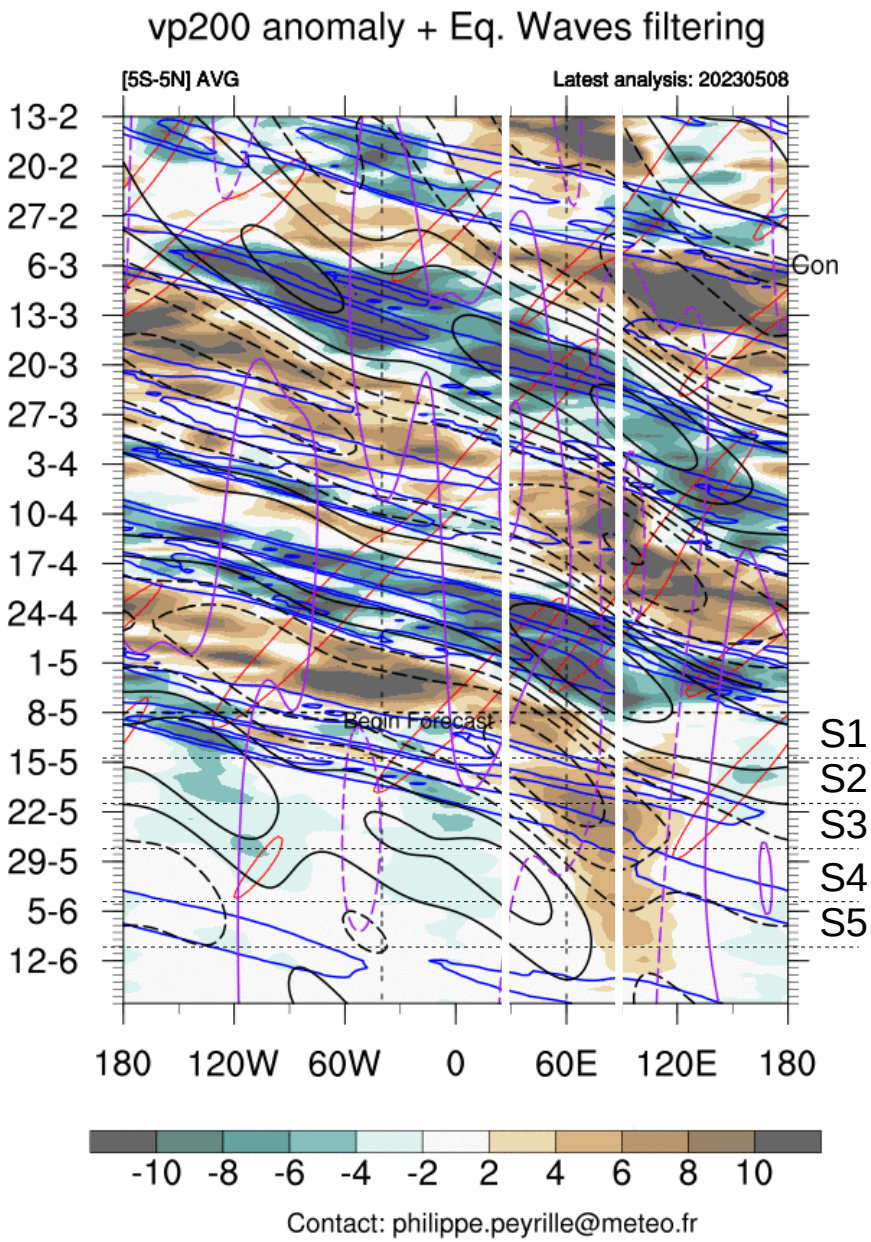
Analyse

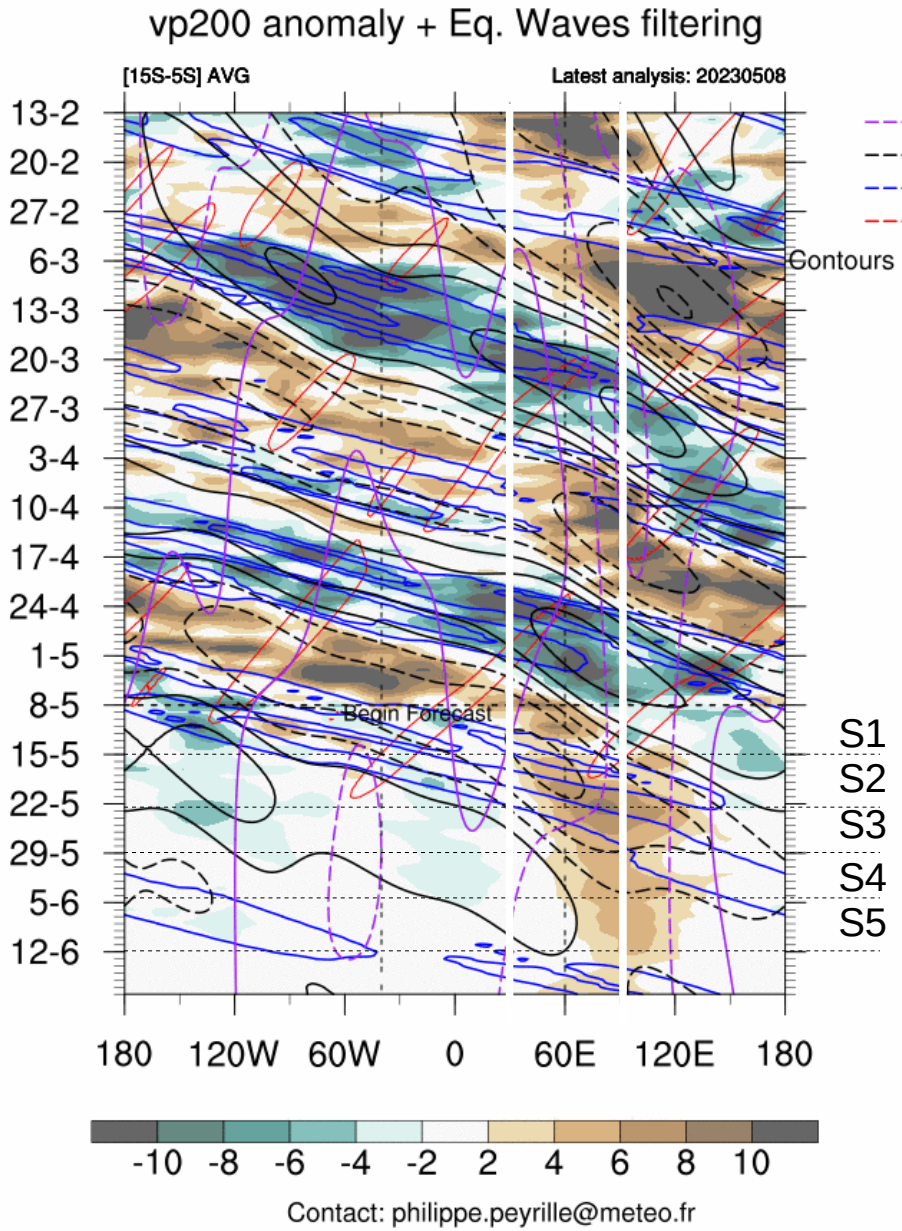
S1 à S4

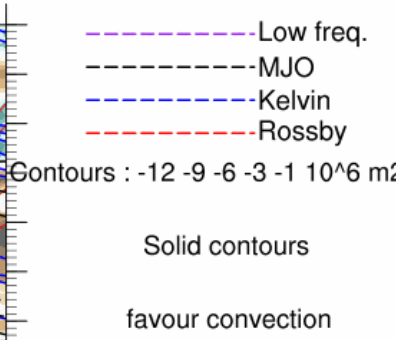


contact @MISVA: philippe.peyrille@meteo.fr

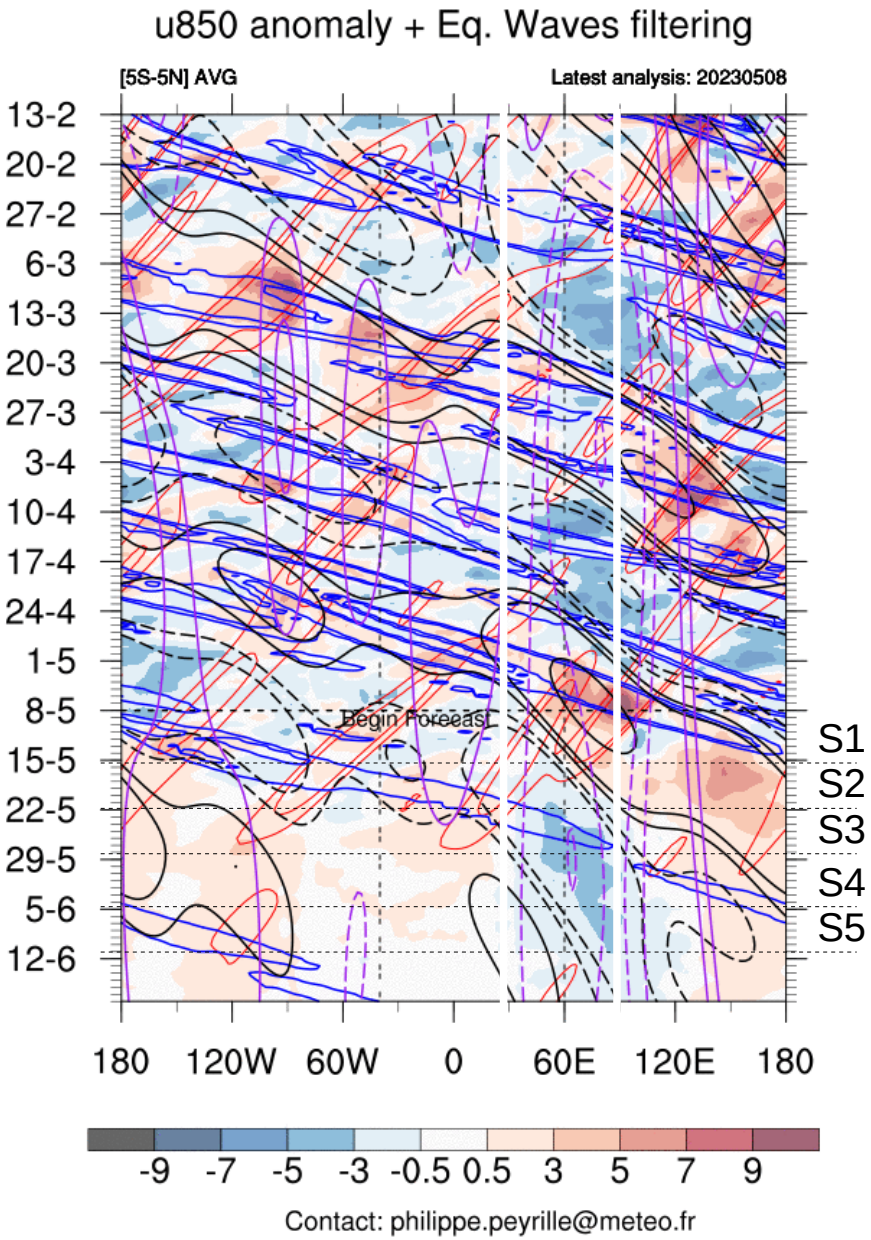
3. Ondes équatoriales

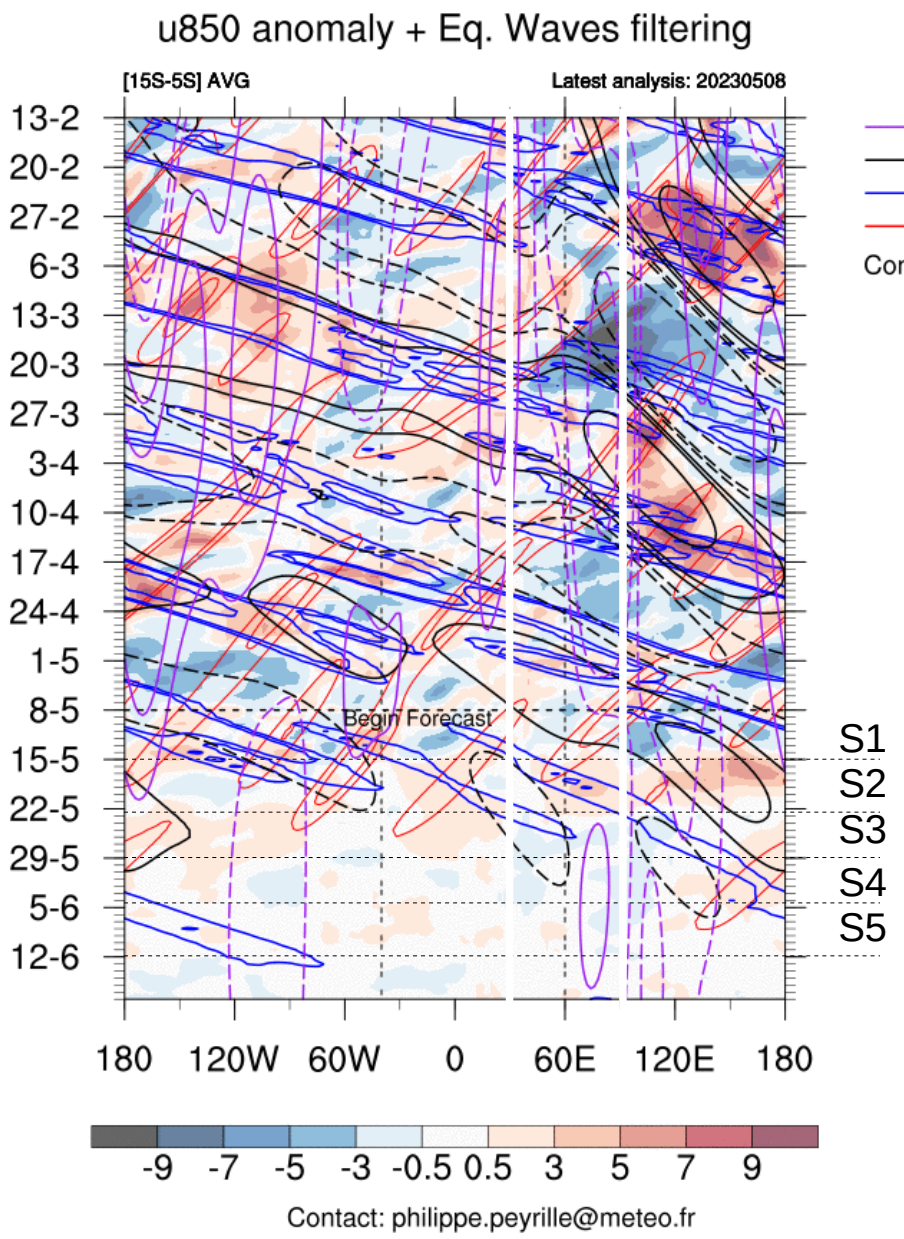


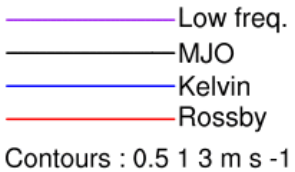




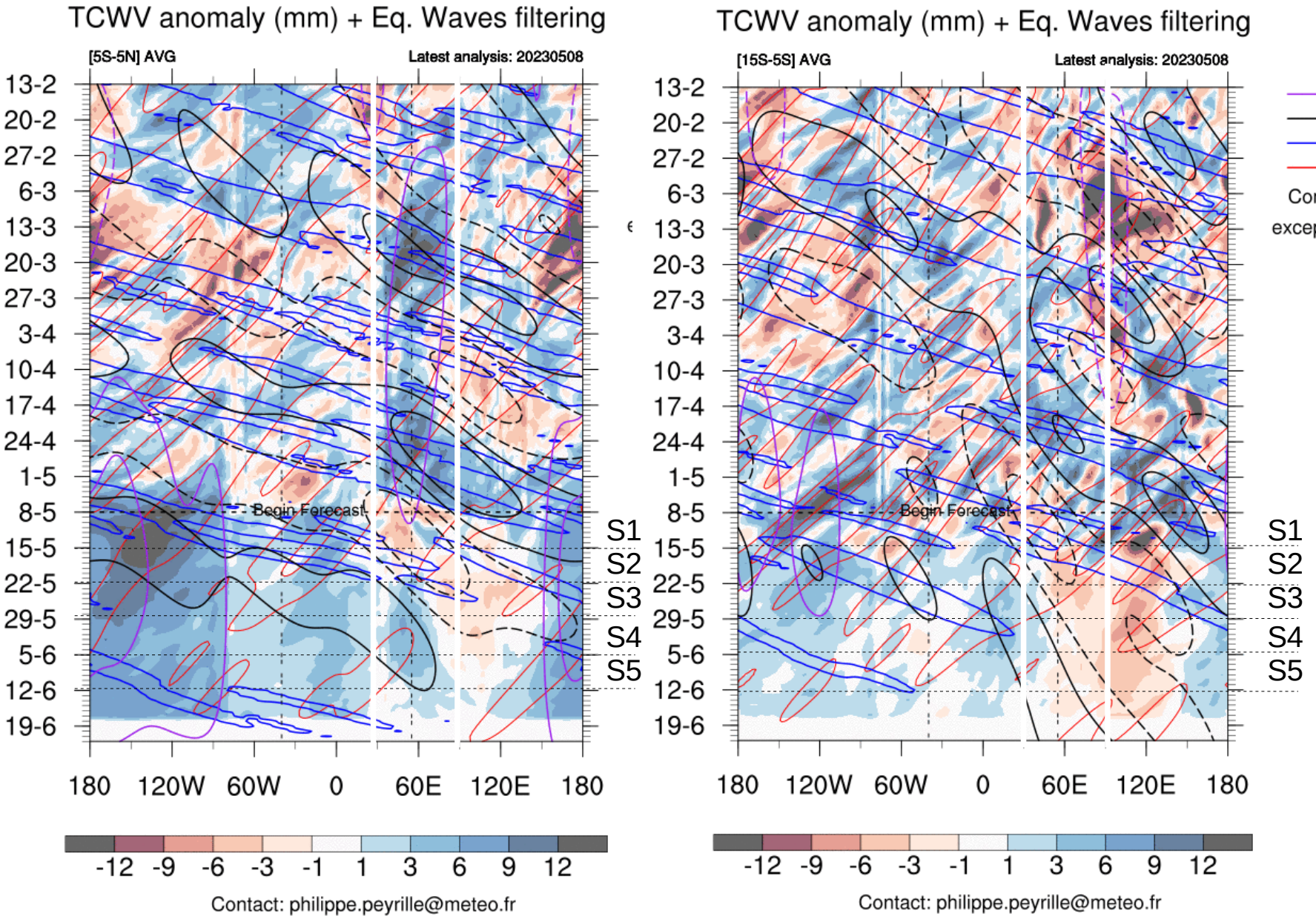
3. Ondes équatoriales



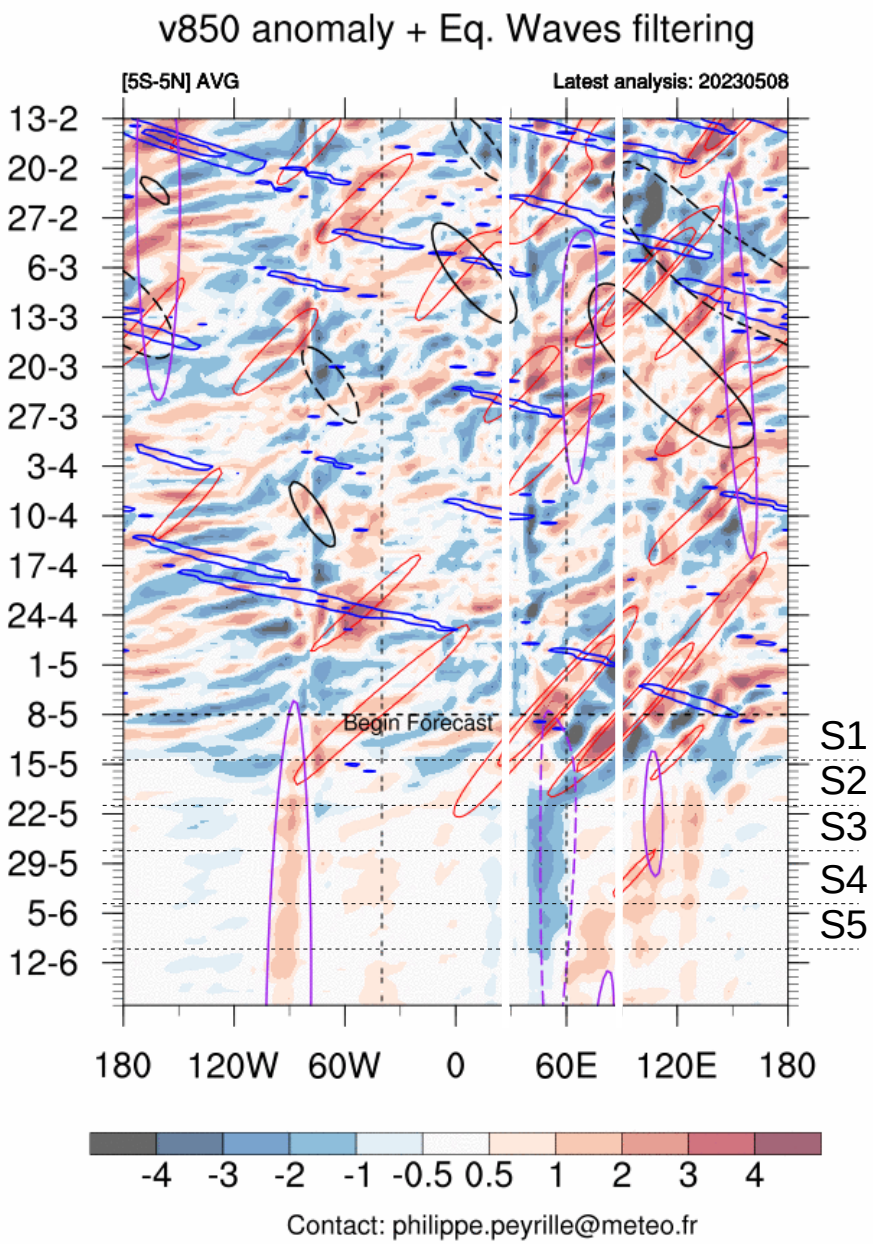


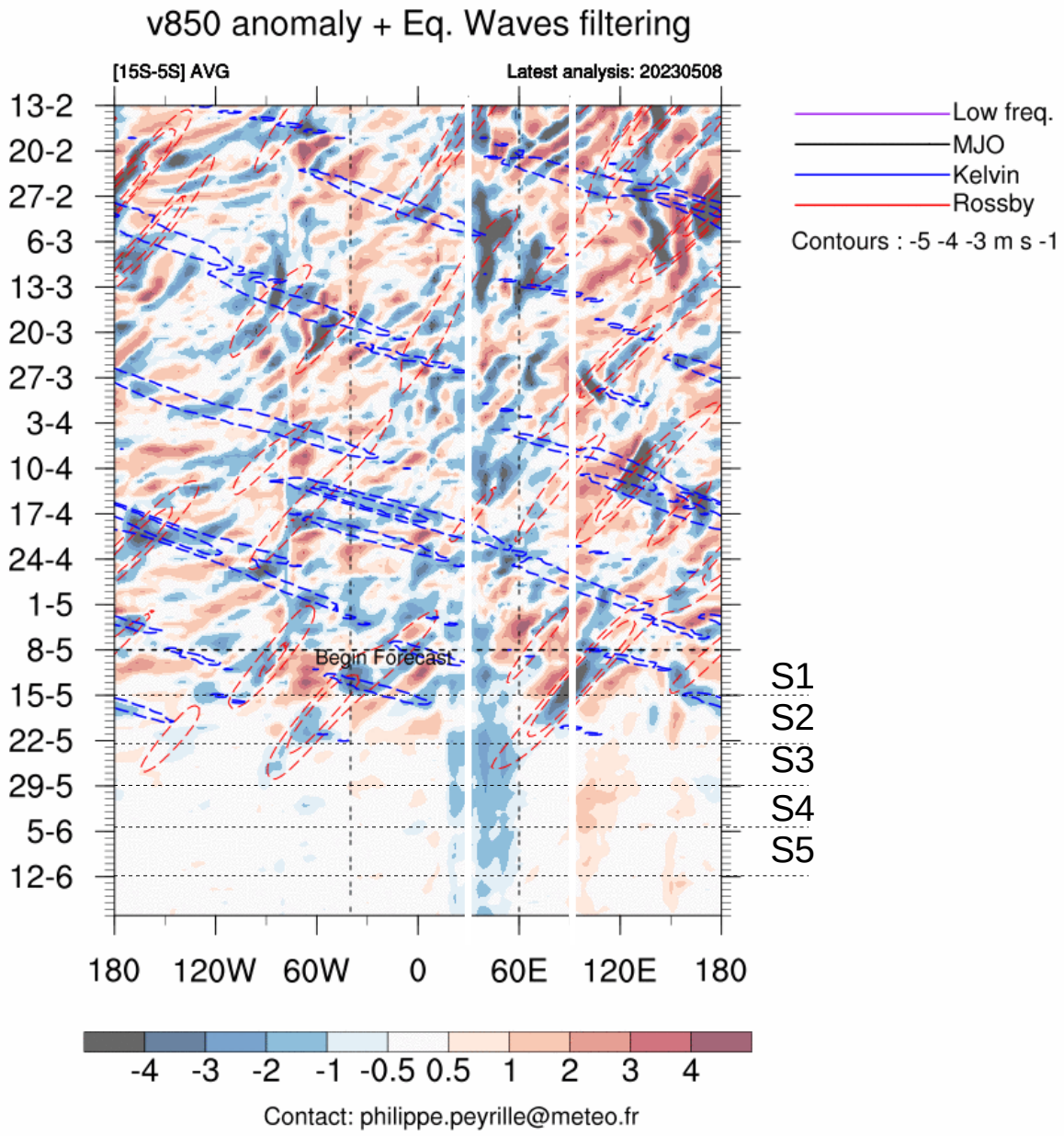


3. Ondes équatoriales

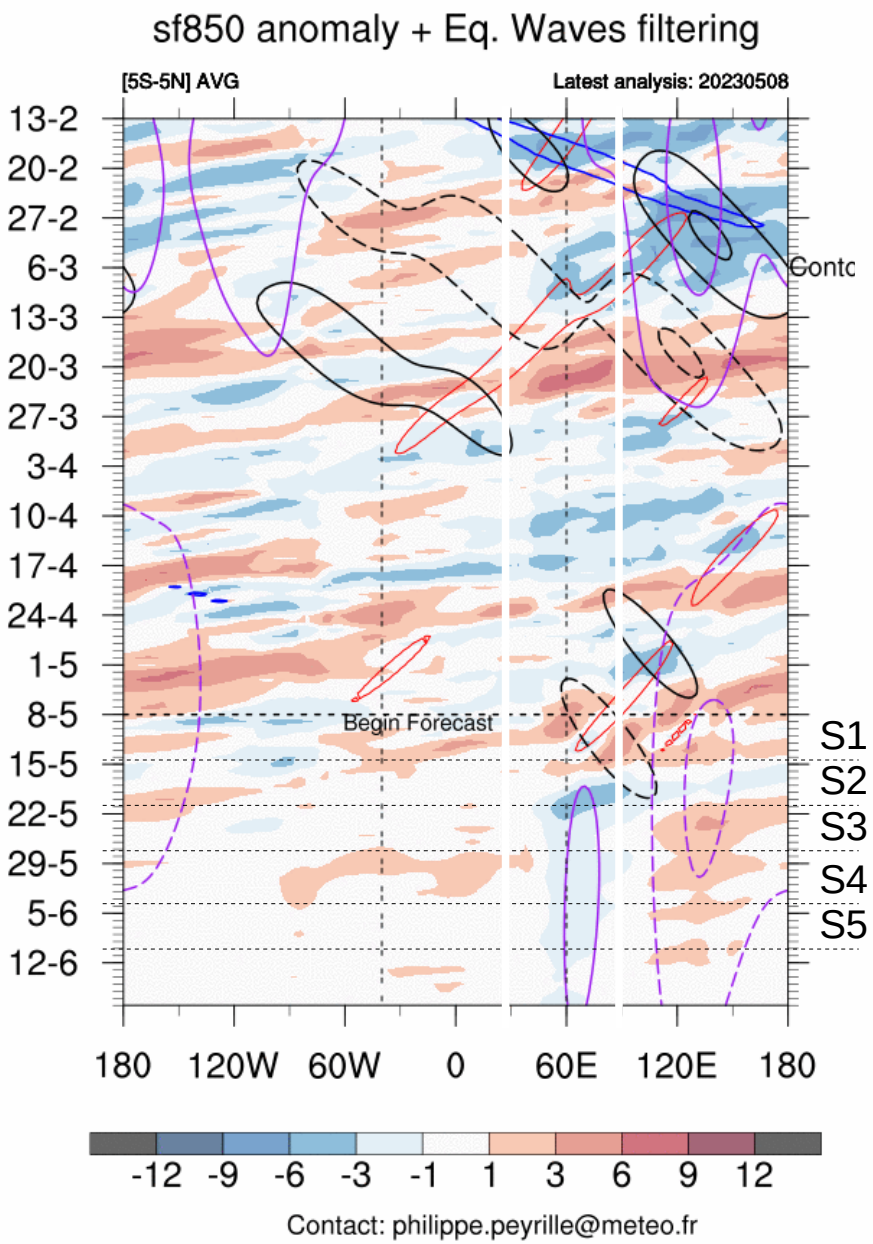


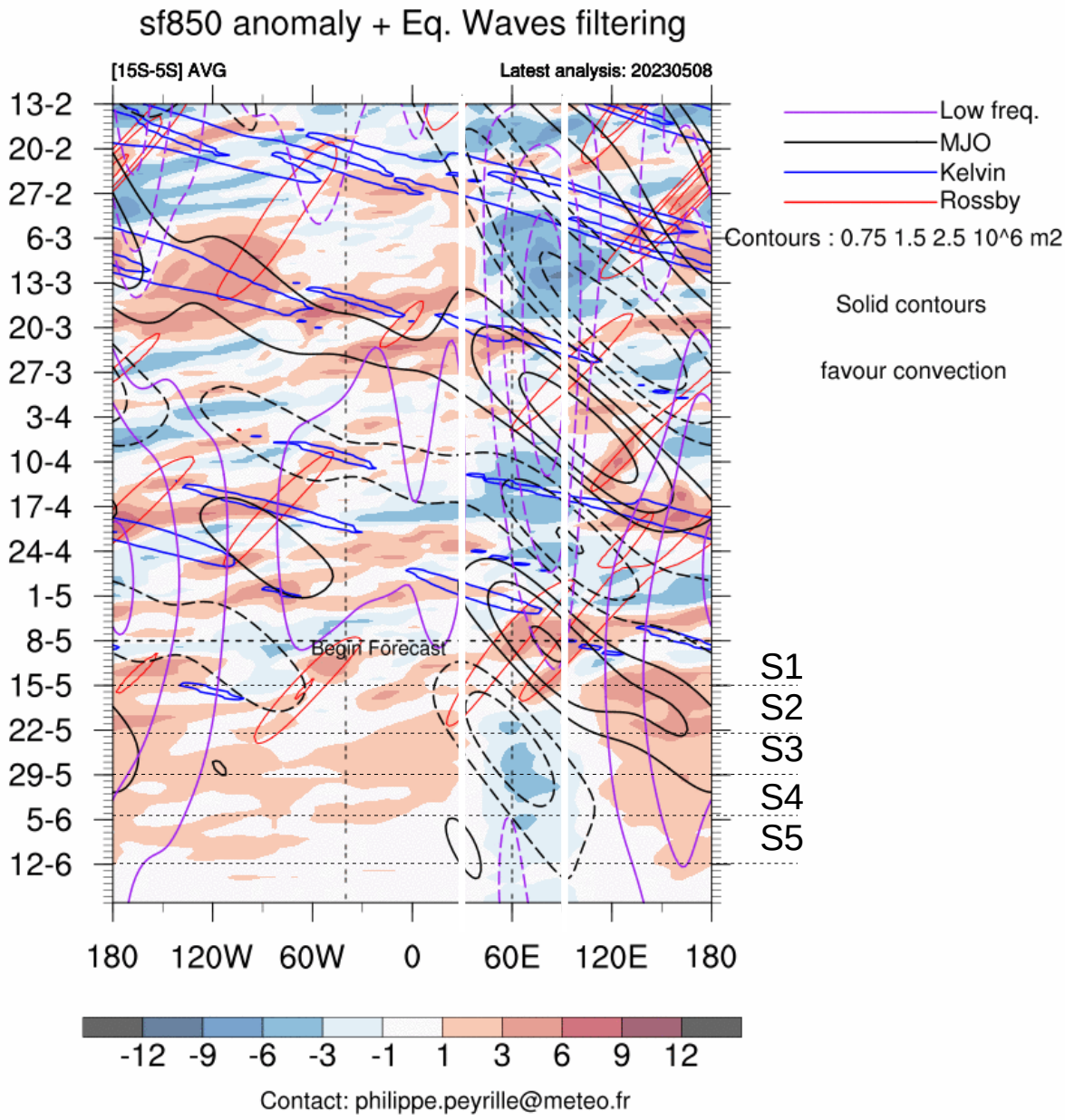
3. Ondes équatoriales



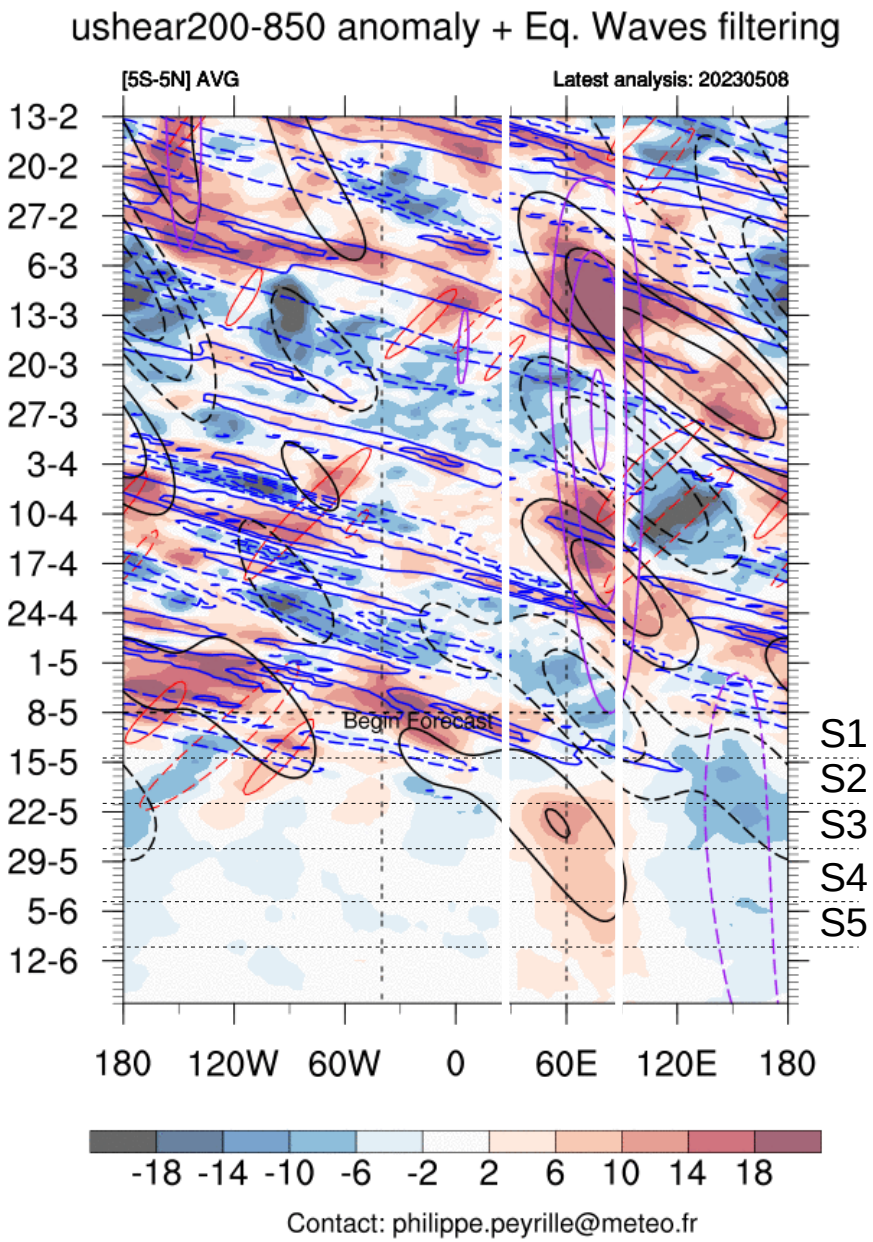


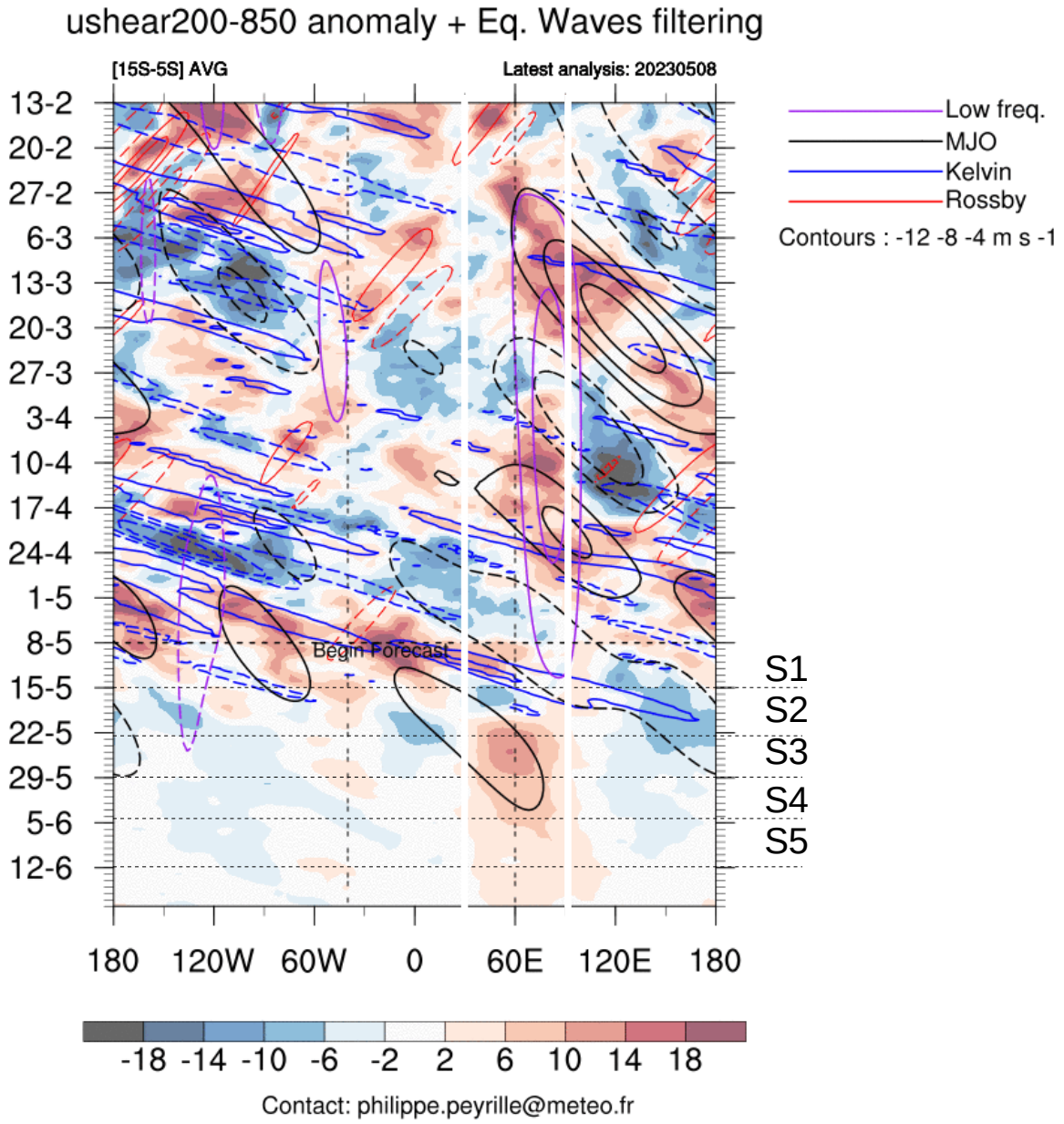
3. Ondes équatoriales





3. Ondes équatoriales

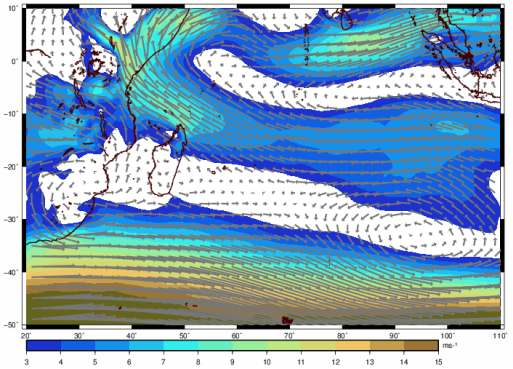


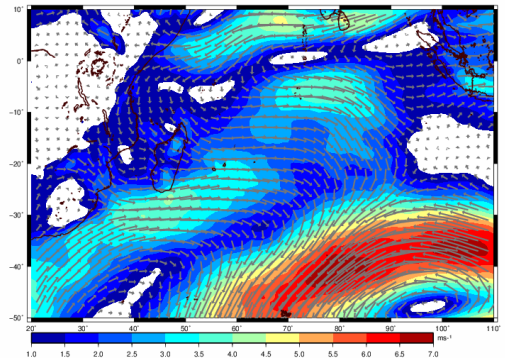


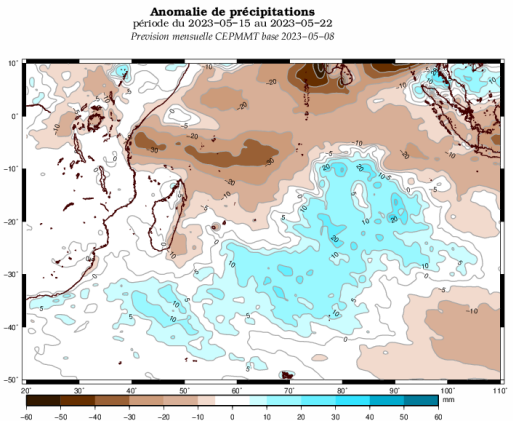
4. Impacts en temps sensible, temps sévère

Configuration du bassin

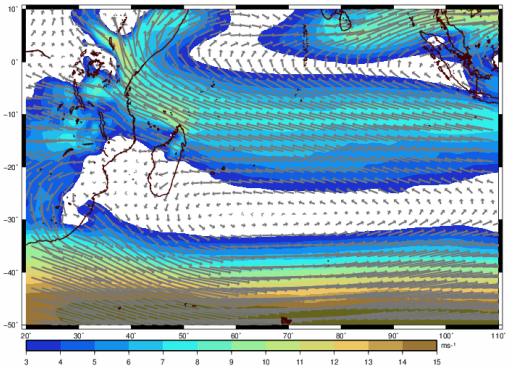
S2

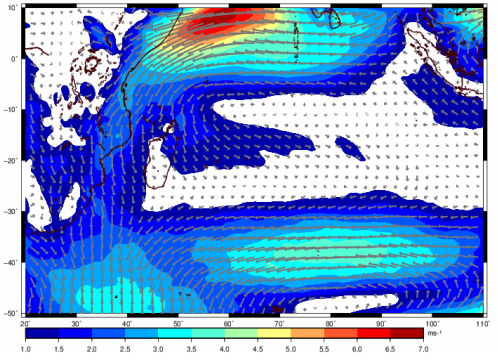


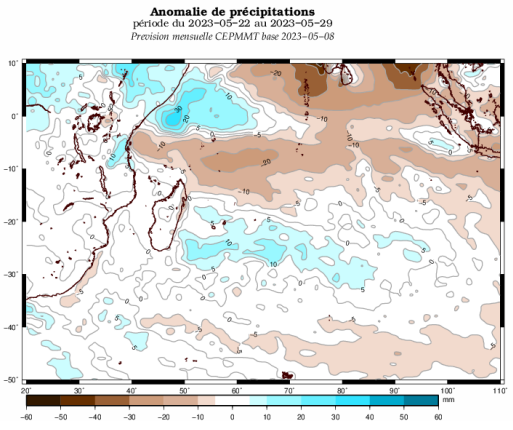




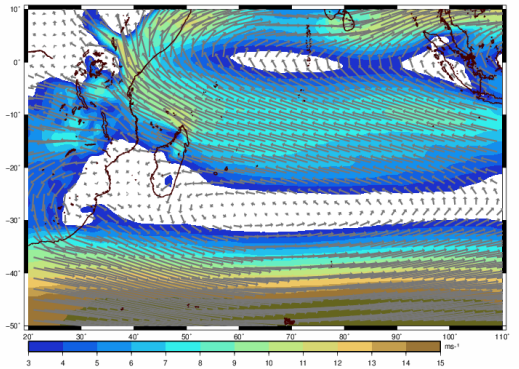
S3

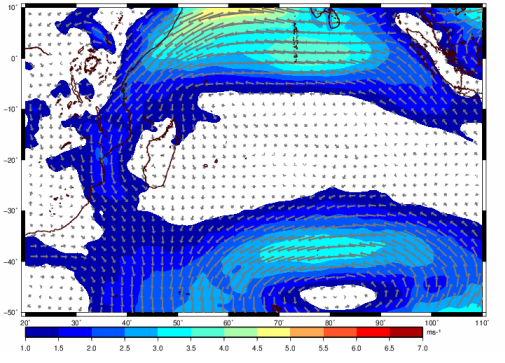


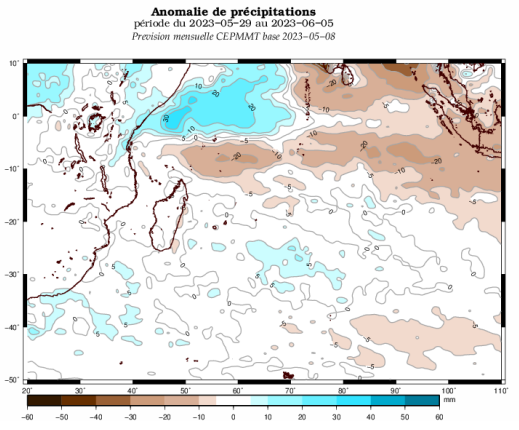




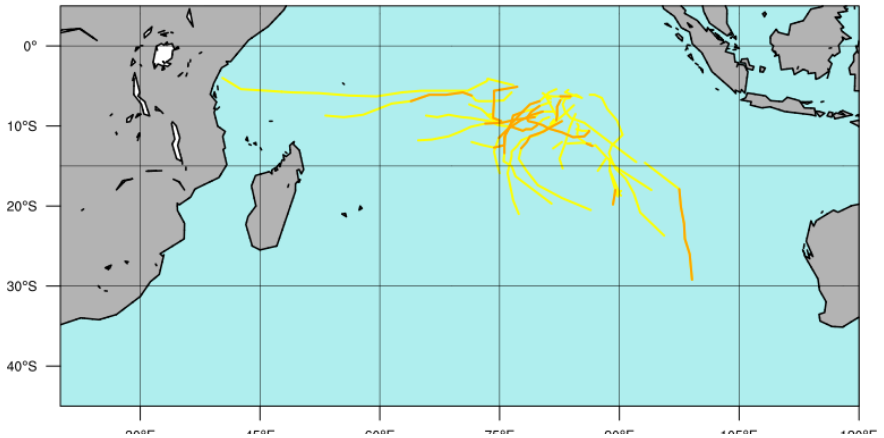
S4

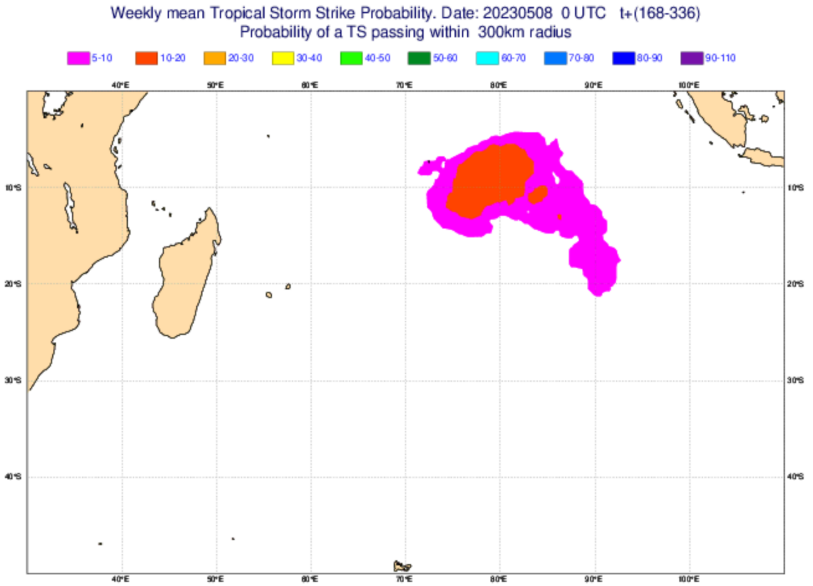


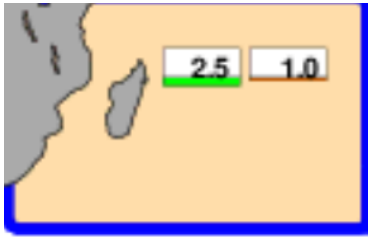




Activité cyclonique [S2]



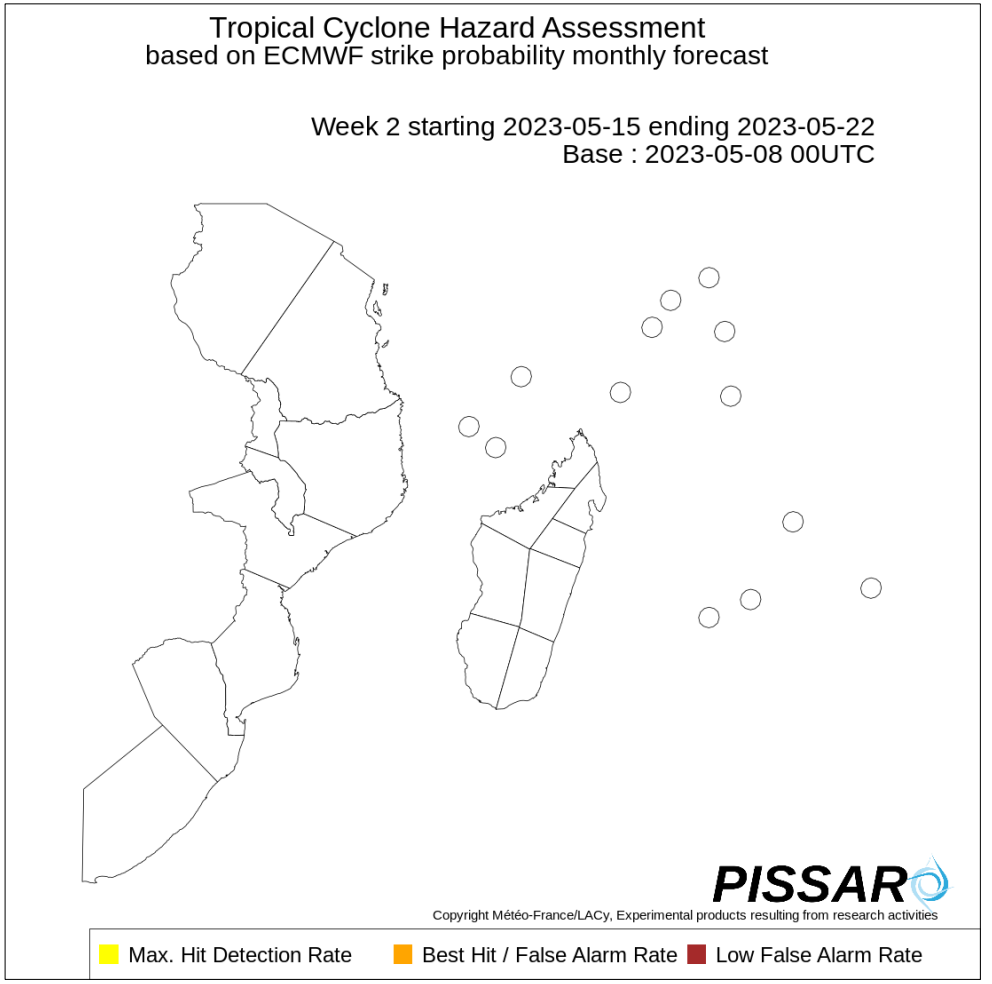




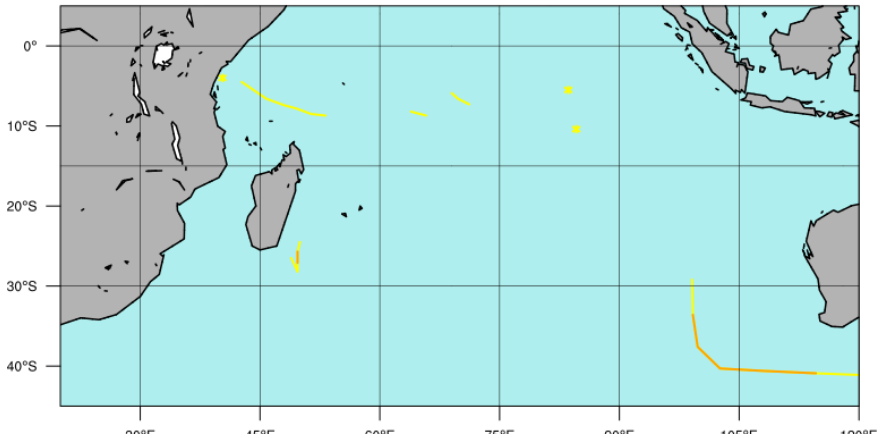
ECMWF Monthly Forecast
Accumulated Cyclone Energy

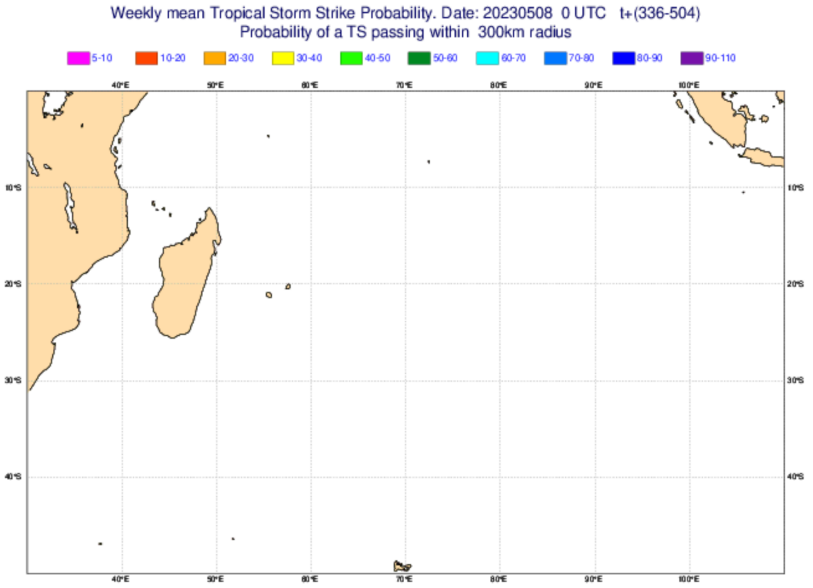
Forecast Mean | Climate Mean

No Significant | Significant at 5%



Activité cyclonique [S3]

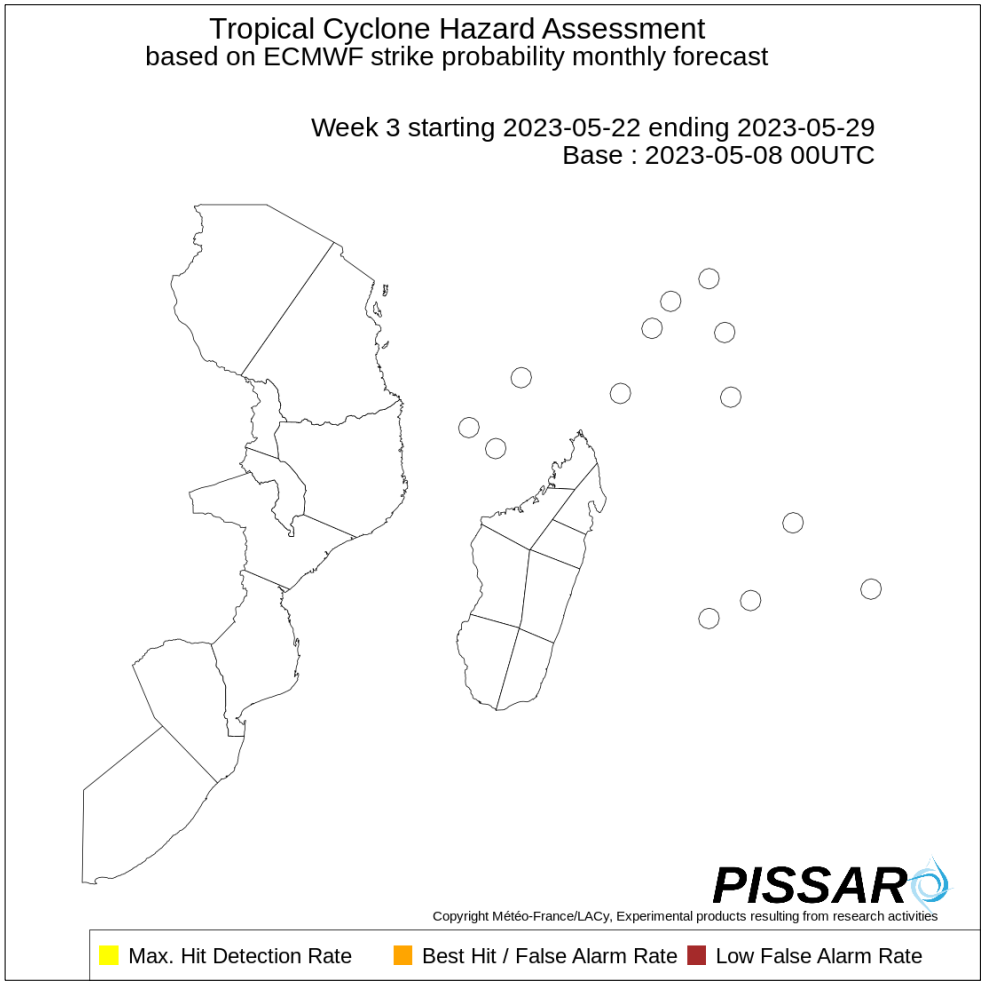




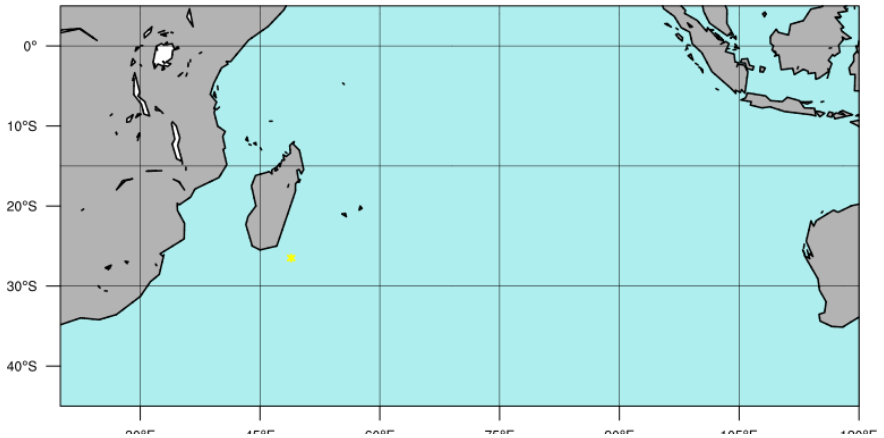
ECMWF Monthly Forecast
Accumulated Cyclone Energy

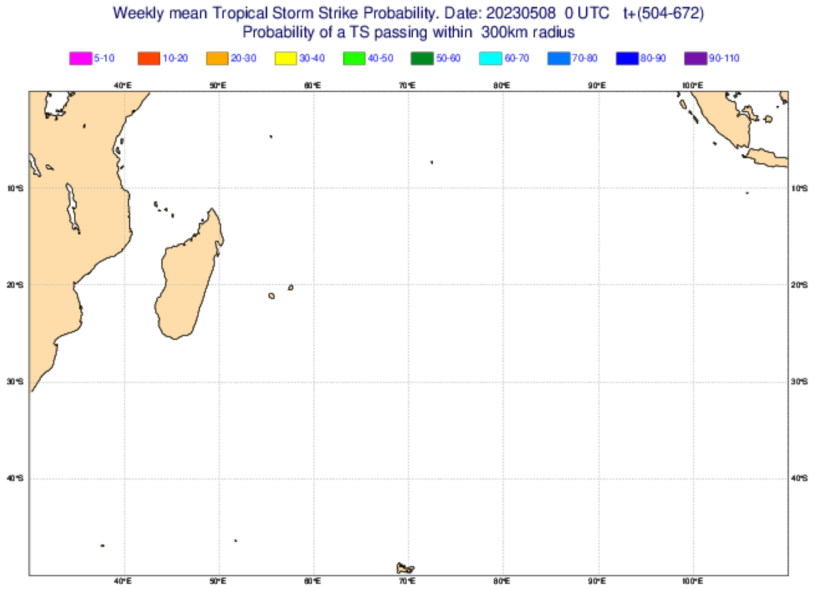
Forecast Mean | Climate Mean

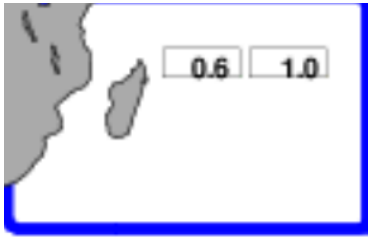
No Significant | Significant at 5%



Activité cyclonique [S4]



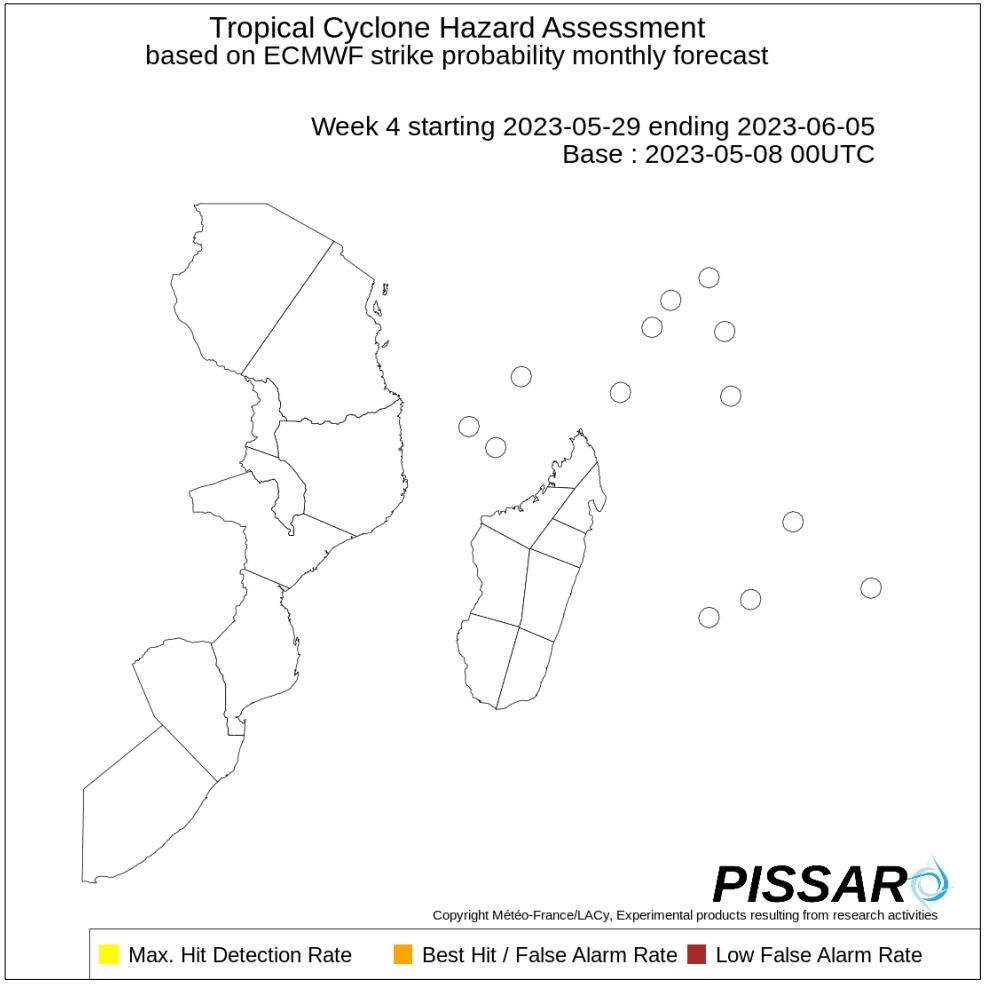




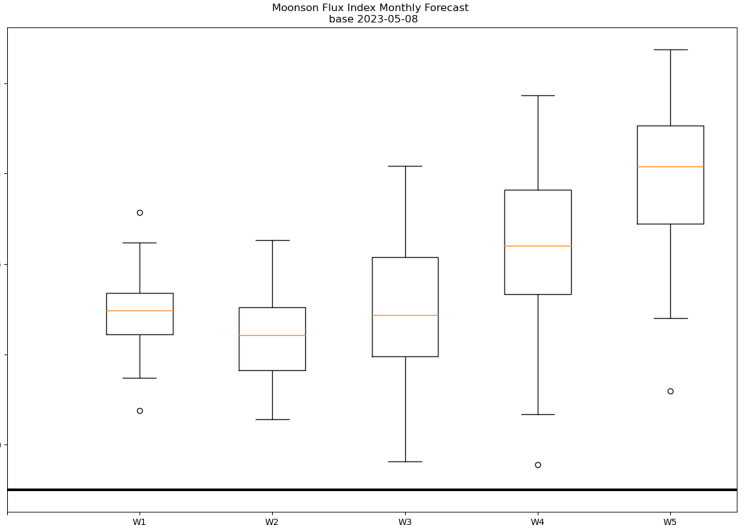
ECMWF Monthly Forecast
Accumulated Cyclone Energy

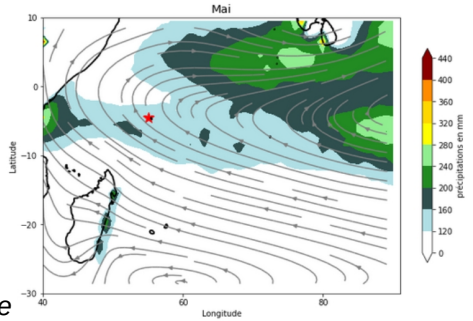
Forecast Mean | Climate Mean

No Significant | Significant at 5%



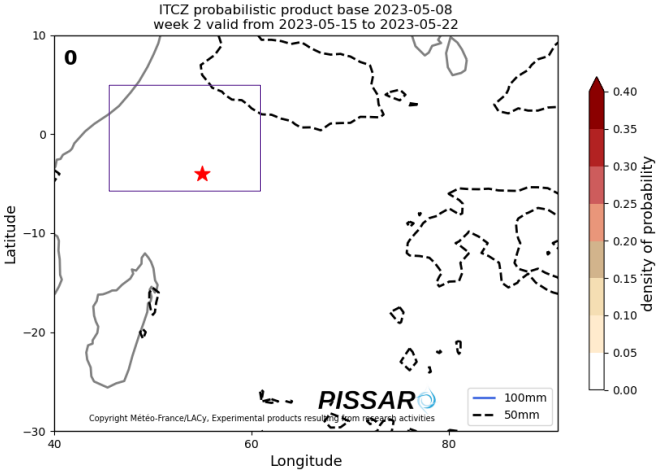
Configuration du bassin et prévision ZCIT



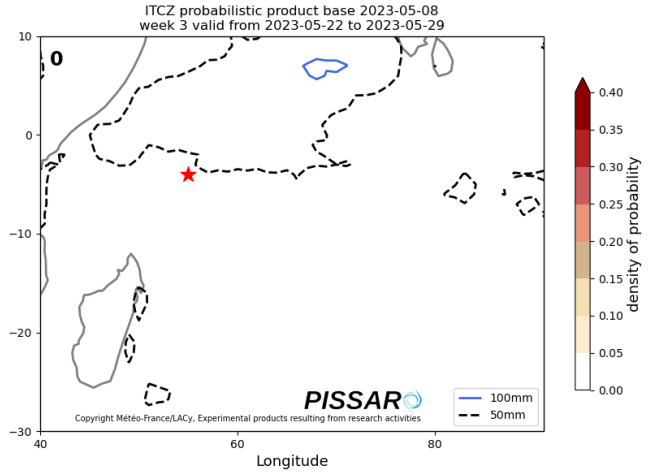


Climatologie mensuelle

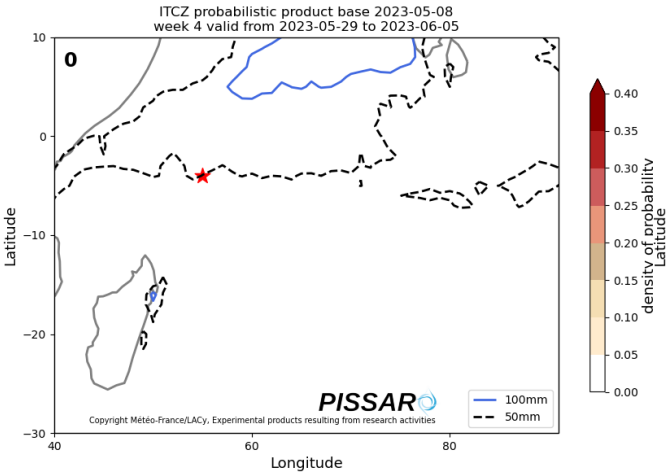
S2



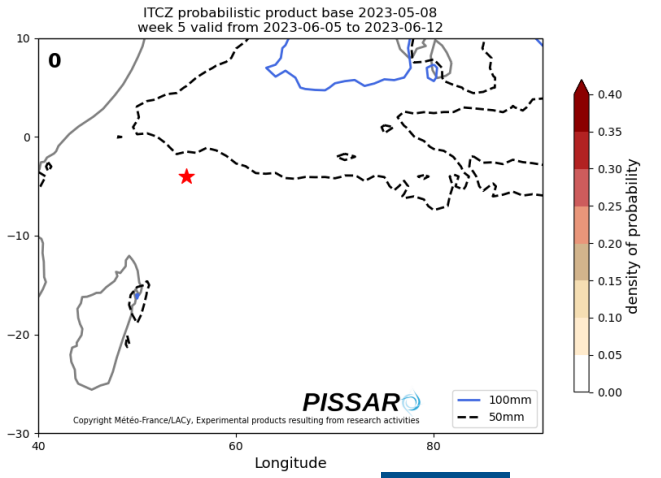
S3



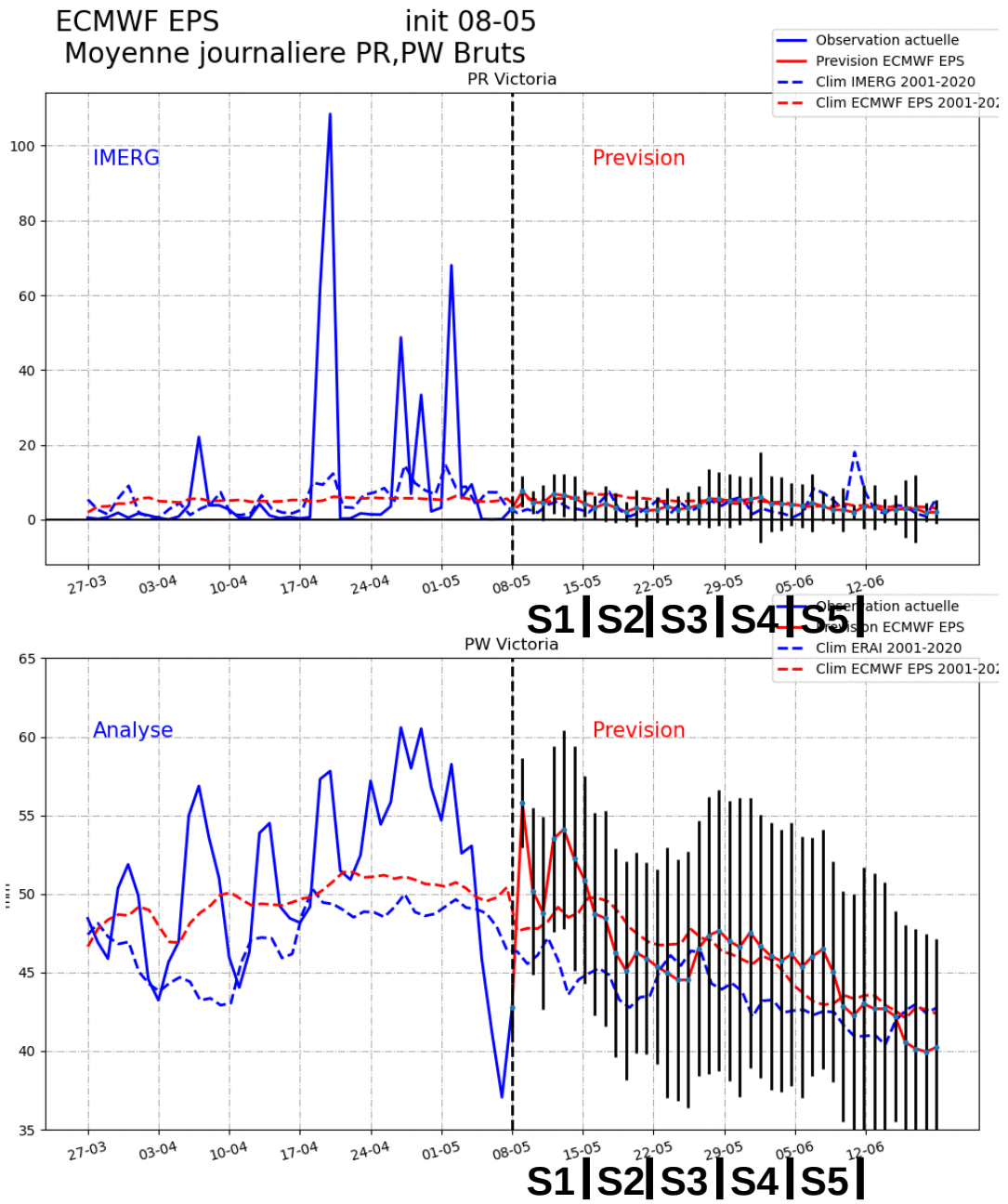
S4



S5

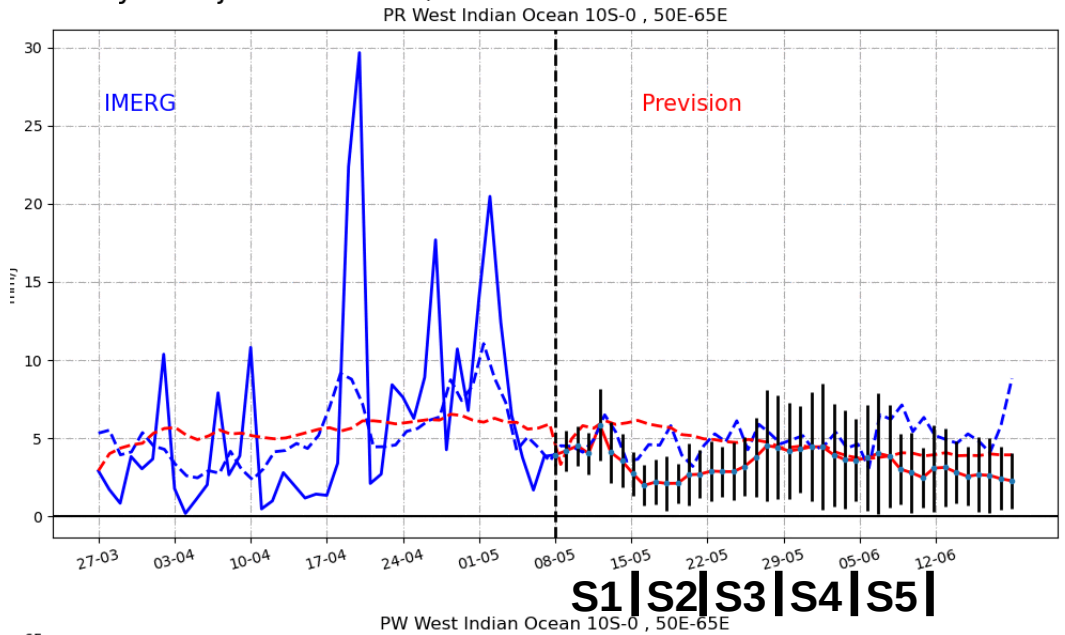


Synthèse temps sensible S2 – S4 [SEYCHELLES]

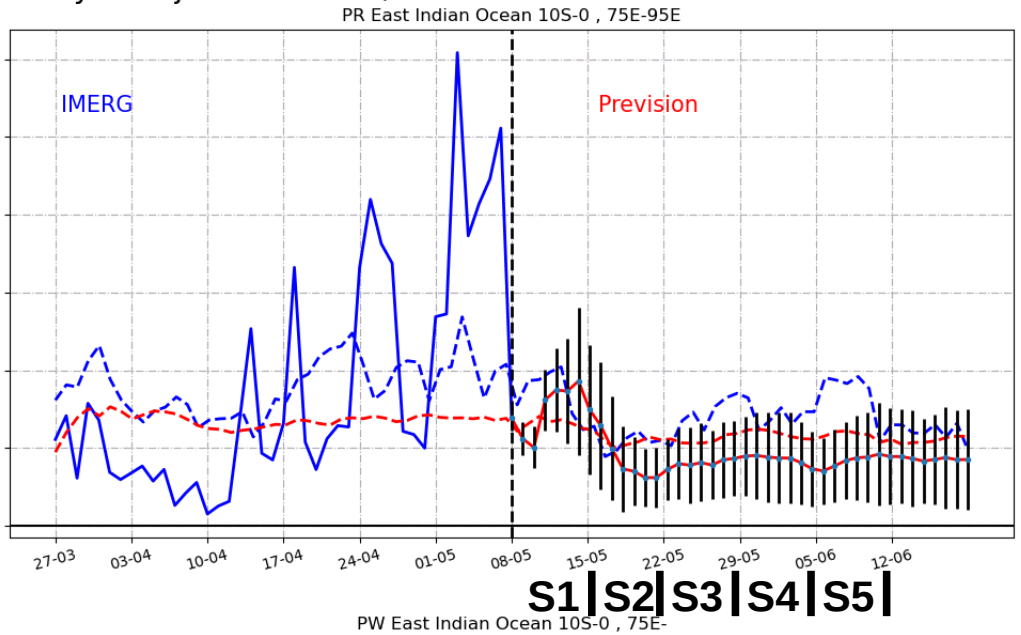


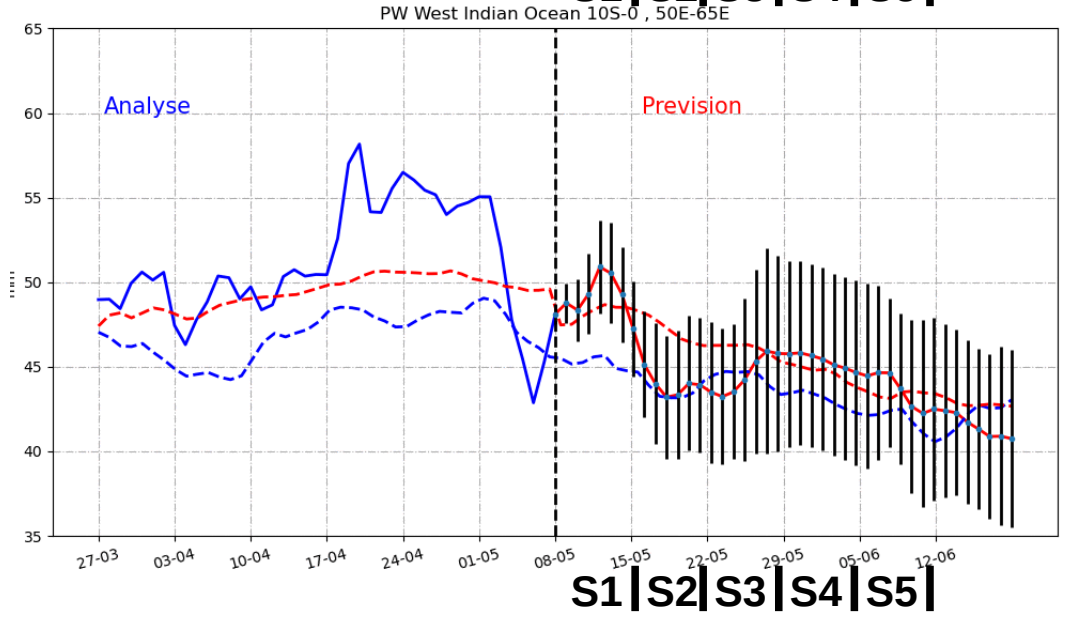
Synthèse temps sensible S2 – S4 [SEYCHELLES]

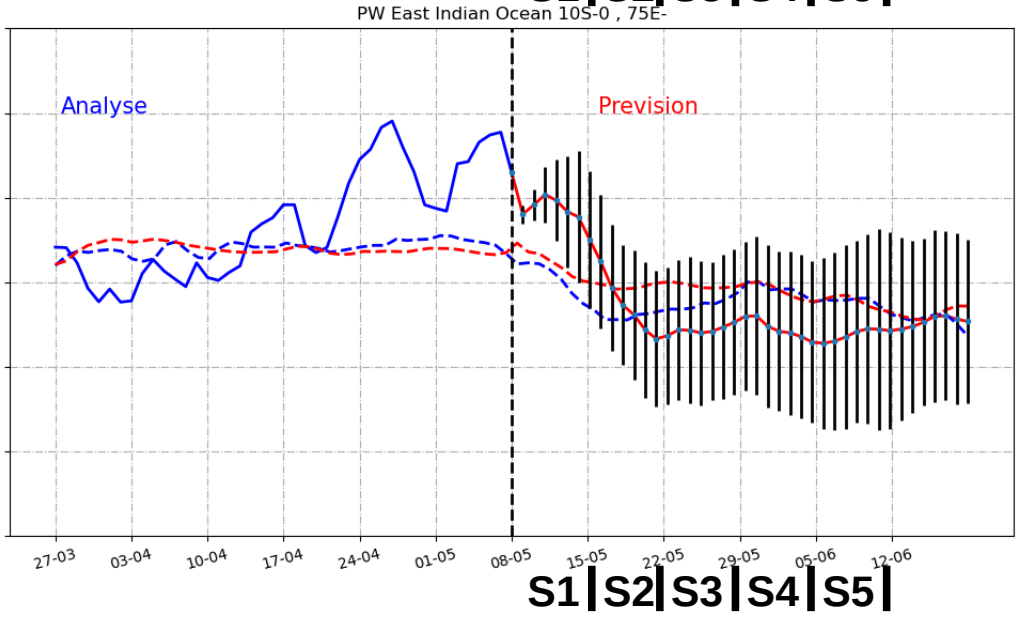
ECMWF EPS init 08-05
Moyenne journaliere PR,PW Bruts



ECMWF EPS init 08-05
Moyenne journaliere PR,PW Bruts



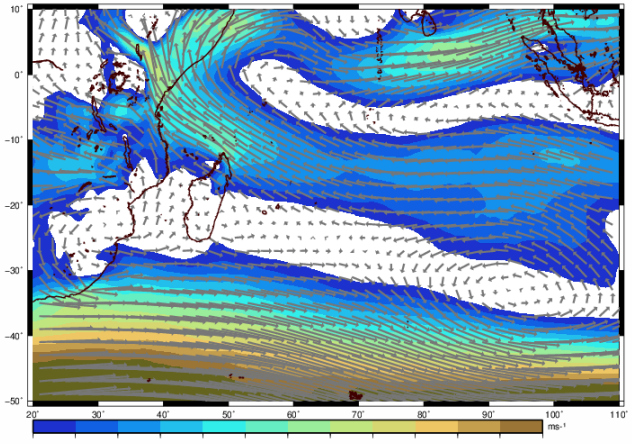




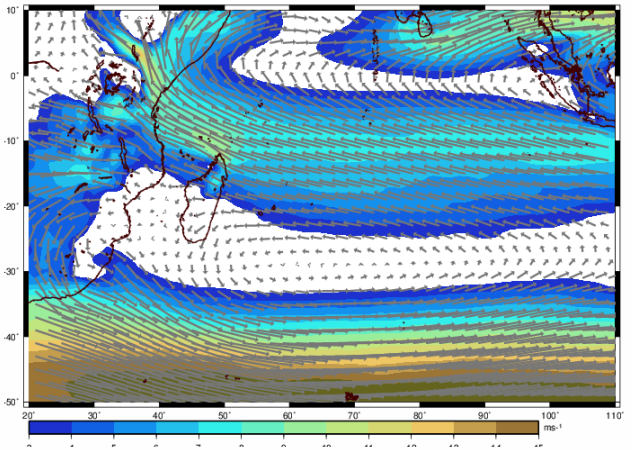
Synthèse temps sensible S2 – S4 [MAYOTTE]

S2 **S3** **S4**

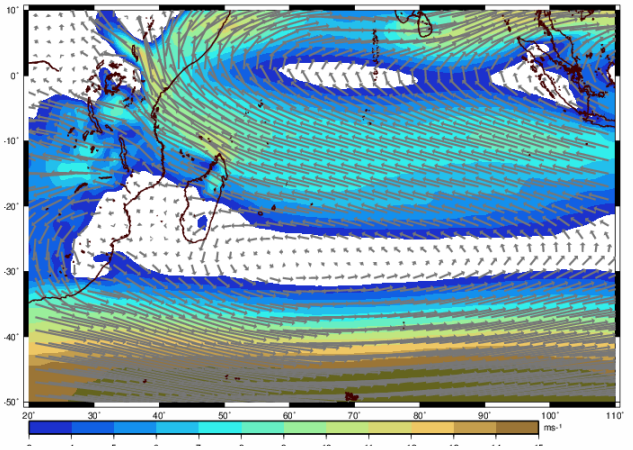
Vent 850hPa
période du 2023-05-15 au 2023-05-22
Prevision mensuelle CEPMMT base 2023-05-08



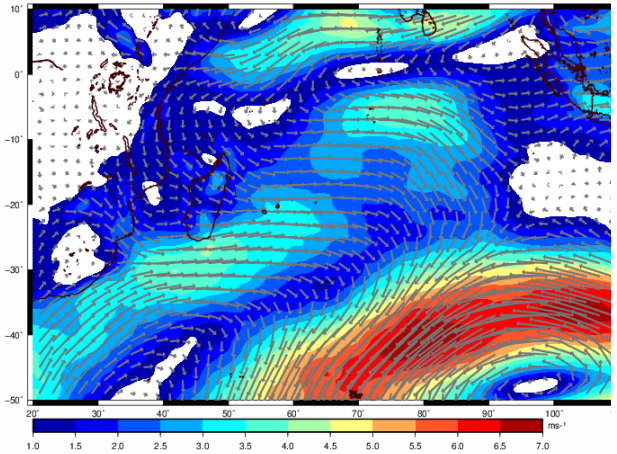
Vent 850hPa
période du 2023-05-22 au 2023-05-29
Prevision mensuelle CEPMMT base 2023-05-08



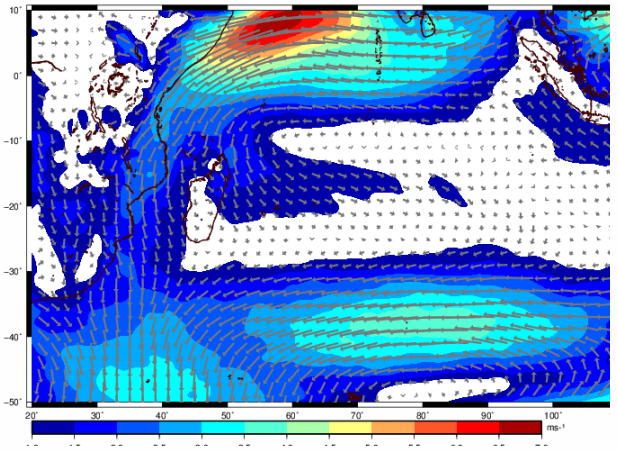
Vent 850hPa
période du 2023-05-29 au 2023-06-05
Prevision mensuelle CEPMMT base 2023-05-08



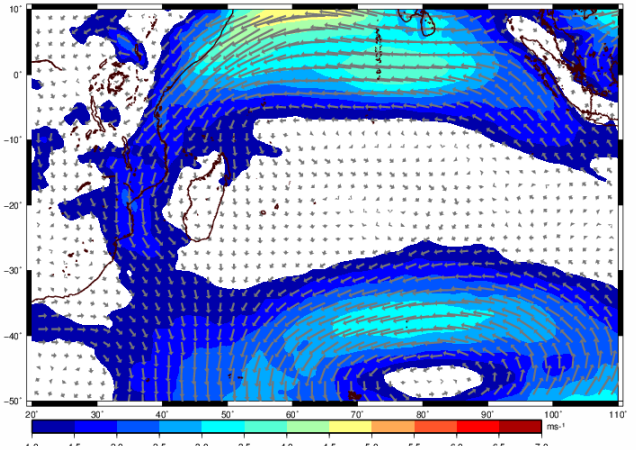
Anomalie force du vent 850hPa
période du 2023-05-15 au 2023-05-22
Prevision mensuelle CEPMMT base 2023-05-08



Anomalie force du vent 850hPa
période du 2023-05-22 au 2023-05-29
Prevision mensuelle CEPMMT base 2023-05-08

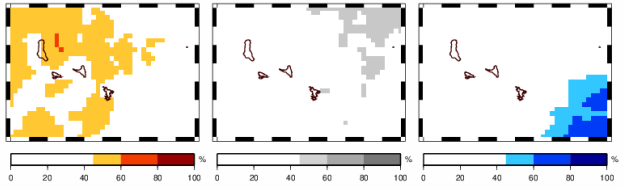


Anomalie force du vent 850hPa
période du 2023-05-29 au 2023-06-05
Prevision mensuelle CEPMMT base 2023-05-08



Probabilité tercile des précipitations
période du 2023-05-15 au 2023-05-22
Prevision mensuelle CEPMMT base 2023-05-08

Terc. Inf **Terc. Med** **Terc. Sup**



Probabilité tercile des précipitations
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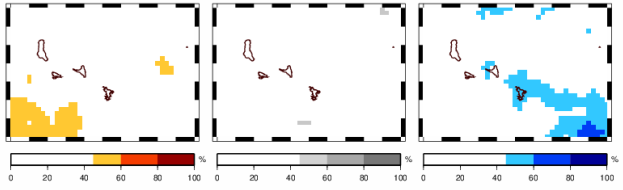
Prevision mensuelle CEPMMT base 2023-05-08

Terc. Inf **Terc. Med** **Terc. Sup**



Probabilité tercile des précipitations
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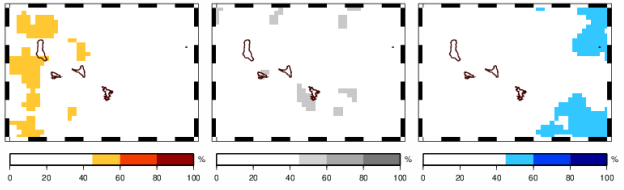
Prevision mensuelle CEPMMT base 2023-05-08

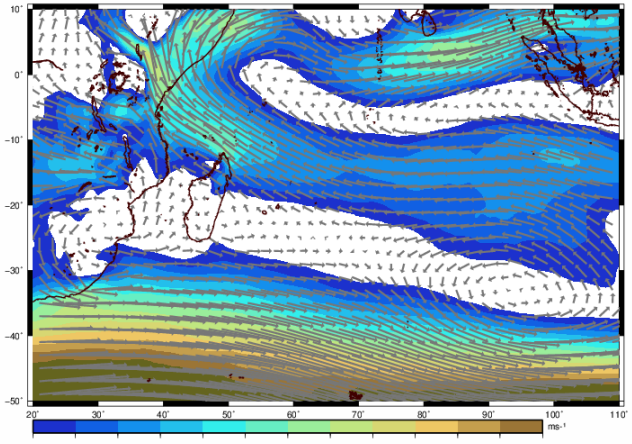
Terc. Inf **Terc. Med** **Terc. Sup**



Synthèse temps sensible S2 – S4 [LA REUNION]

S2

Vent 850hPa
période du 2023-05-15 au 2023-05-22
Prevision mensuelle CEPMMT base 2023-05-08



Anomalie force du vent 850hPa
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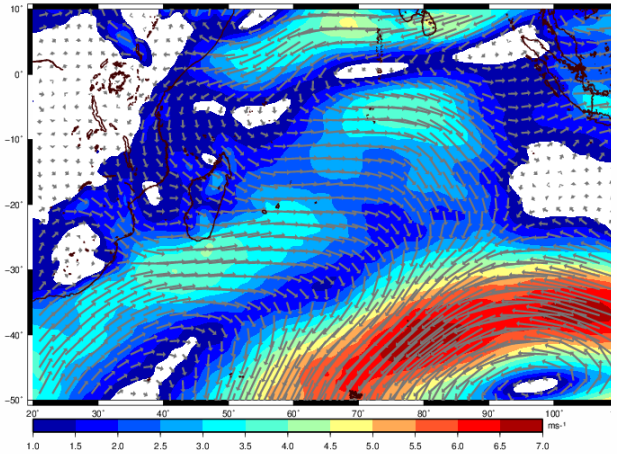
Prevision mensuelle CEPMMT base 2023-05-08



Probabilité tercile des précipitations
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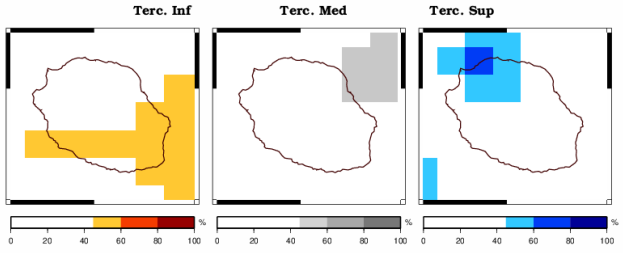
Prevision mensuelle CEPMMT base 2023-05-08



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Vent 850hPa
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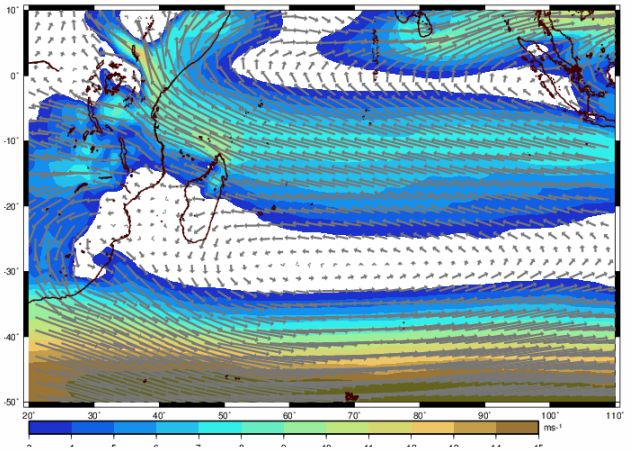
Prevision mensuelle CEPMMT base 2023-05-08



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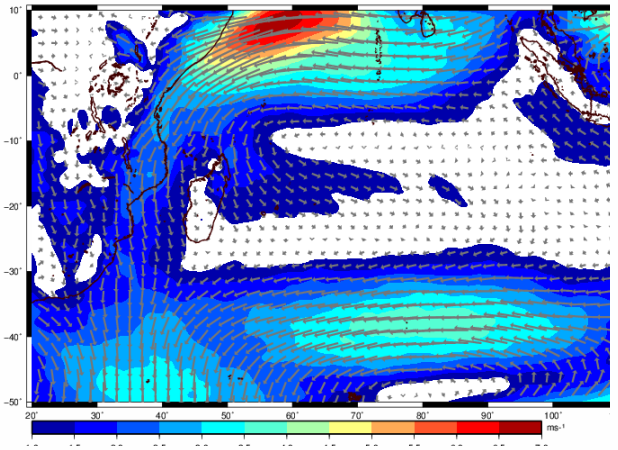

Probabilité tercile des précipitations
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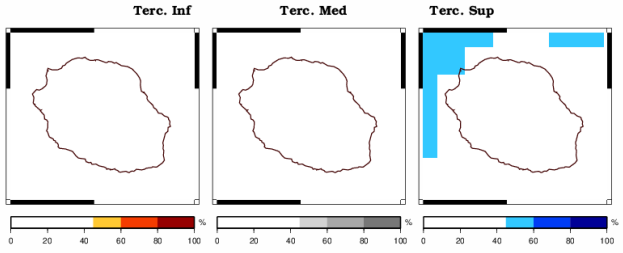
Prevision mensuelle CEPMMT base 2023-05-08



S4

Vent 850hPa
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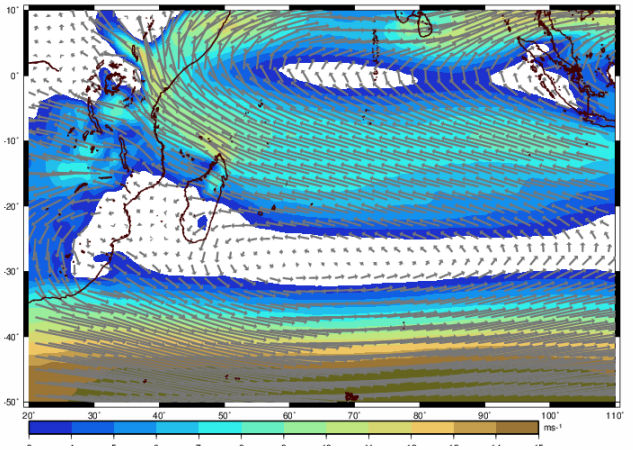
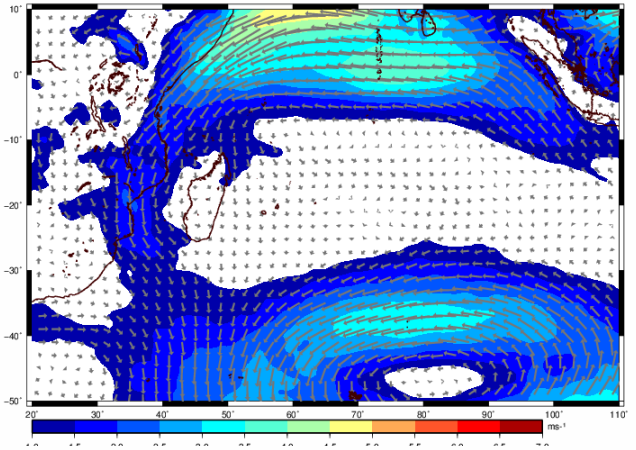
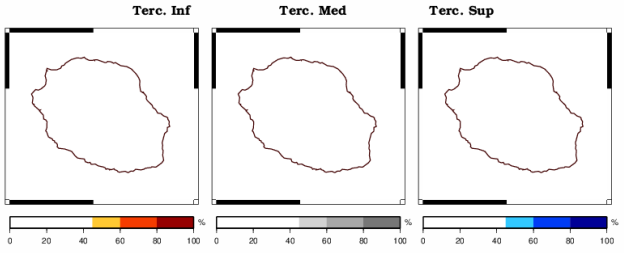
Prevision mensuelle CEPMMT base 2023-05-08



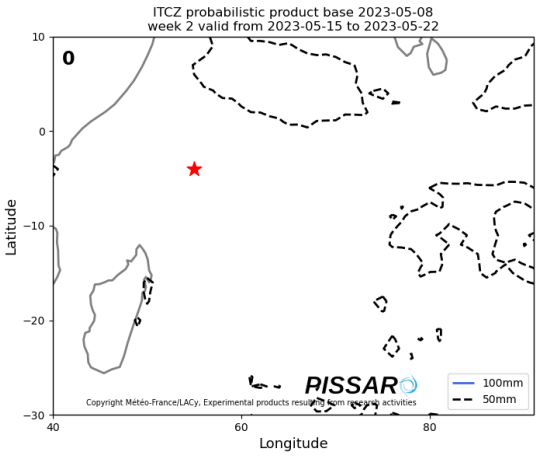
Anomalie force du vent 850hPa
période du 2023-05-29 au 2023-06-05
Prevision mensuelle CEPMMT base 2023-05-08

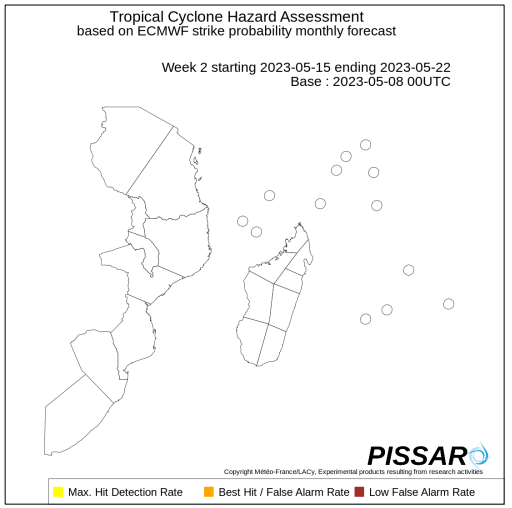


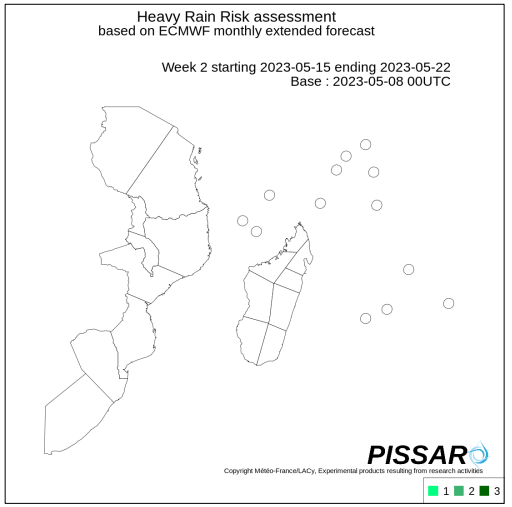
Probabilité tercile des précipitations
période du 2023-05-29 au 2023-06-05
Prevision mensuelle CEPMMT base 2023-05-08



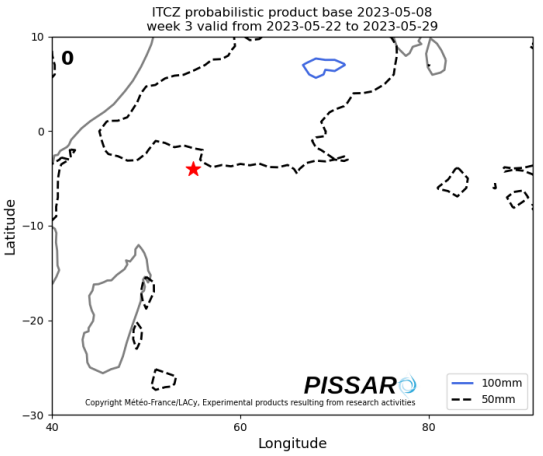
S2

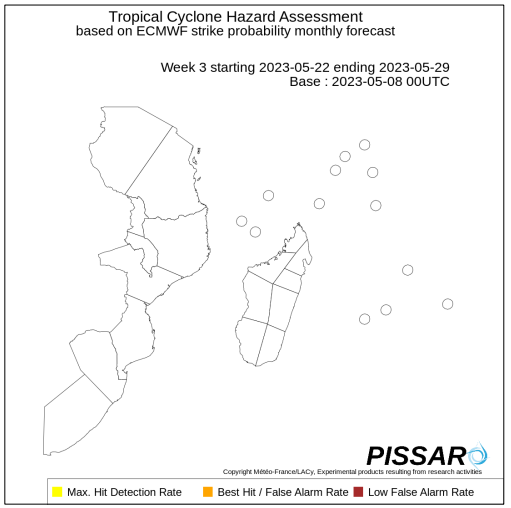

ITCZ probabilistic product base 2023-05-08
week 2 valid from 2023-05-15 to 2023-05-22
0
Latitude
Longitude
PISSAR
Copyright Météo-France/LACy, Experimental products resulting from research activities
100mm
50mm

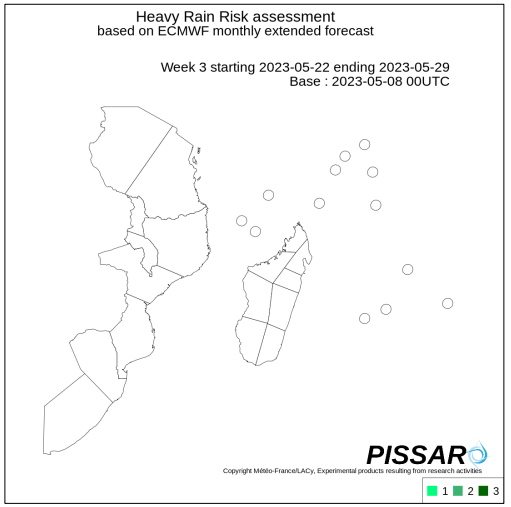

Tropical Cyclone Hazard Assessment
based on ECMWF strike probability monthly forecast
Week 2 starting 2023-05-15 ending 2023-05-22
Base : 2023-05-08 00UTC
PISSAR
Max. Hit Detection Rate
Best Hit / False Alarm Rate
Low False Alarm Rate


Heavy Rain Risk assessment
based on ECMWF monthly extended forecast
Week 2 starting 2023-05-15 ending 2023-05-22
Base : 2023-05-08 00UTC
PISSAR
1
2
3

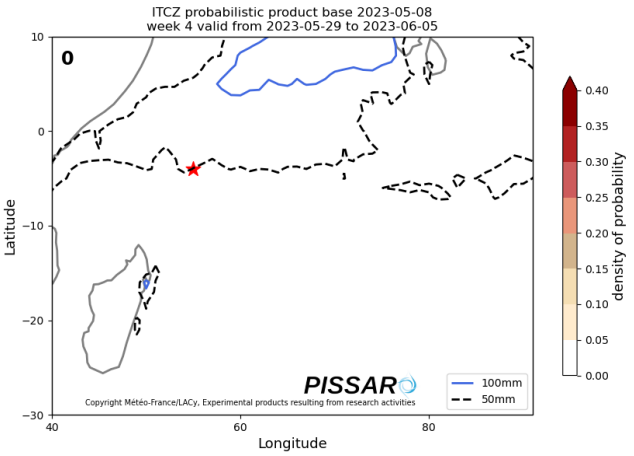
S3

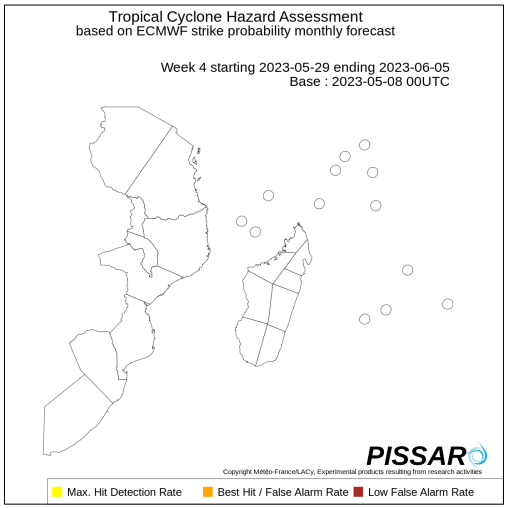

ITCZ probabilistic product base 2023-05-08
week 3 valid from 2023-05-22 to 2023-05-29
0
Latitude
Longitude
PISSAR
Copyright Météo-France/LACy, Experimental products resulting from research activities
100mm
50mm


Tropical Cyclone Hazard Assessment
based on ECMWF strike probability monthly forecast
Week 3 starting 2023-05-22 ending 2023-05-29
Base : 2023-05-08 00UTC
PISSAR
Max. Hit Detection Rate
Best Hit / False Alarm Rate
Low False Alarm Rate


Heavy Rain Risk assessment
based on ECMWF monthly extended forecast
Week 3 starting 2023-05-22 ending 2023-05-29
Base : 2023-05-08 00UTC
PISSAR
1
2
3

S4


ITCZ probabilistic product base 2023-05-08
week 4 valid from 2023-05-29 to 2023-06-05
0
Latitude
Longitude
PISSAR
Copyright Météo-France/LACy, Experimental products resulting from research activities
100mm
50mm
density of probability
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00


Tropical Cyclone Hazard Assessment
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Base : 2023-05-08 00UTC
PISSAR
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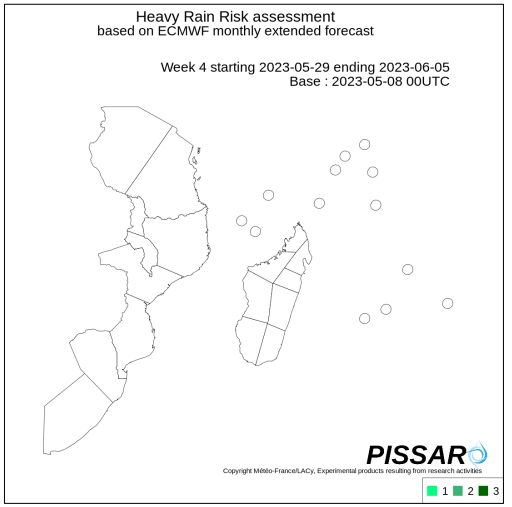
Best Hit / False Alarm Rate
Low False Alarm Rate


Heavy Rain Risk assessment
based on ECMWF monthly extended forecast
Week 4 starting 2023-05-29 ending 2023-06-05
Base : 2023-05-08 00UTC
PISSAR
1
2
3

Briefing hebdomadaire

Suivi MJO et ondes équatoriales pour le bassin SOOI

Sources :

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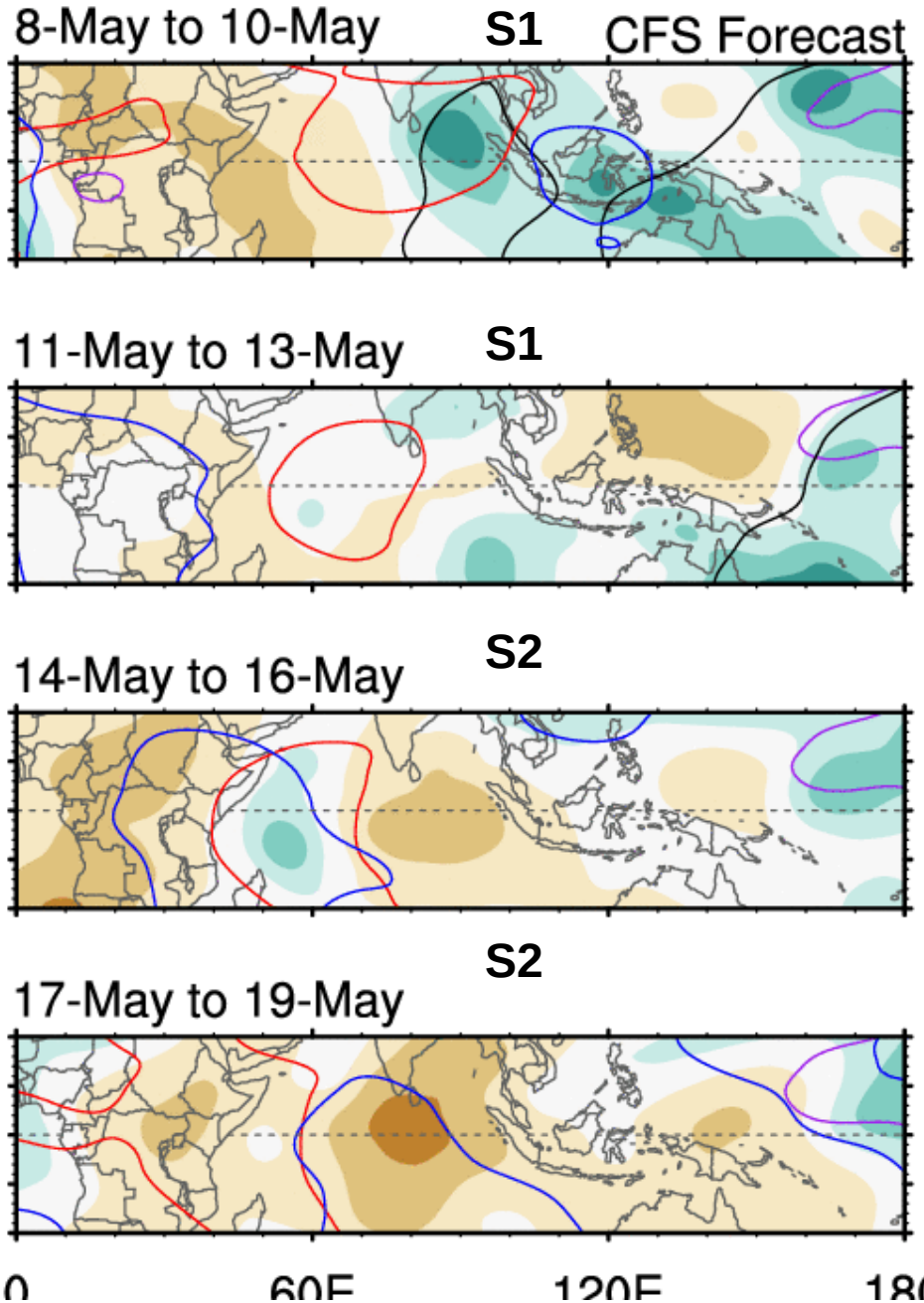
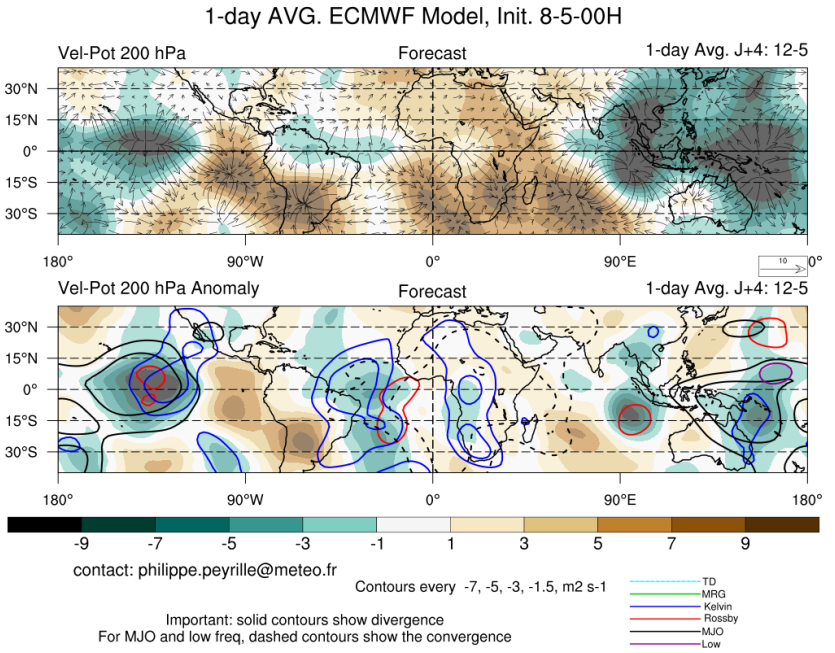
https://misva.aeris-data.fr/products/

S1 / S2 – VP 200 – MJO, ER et Kelvin dans l'Indien



S1



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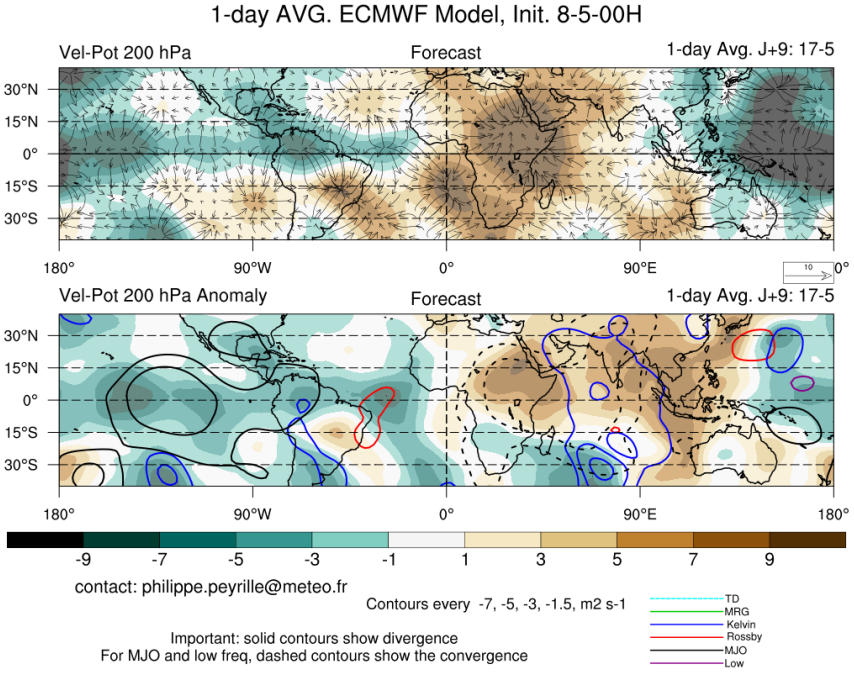
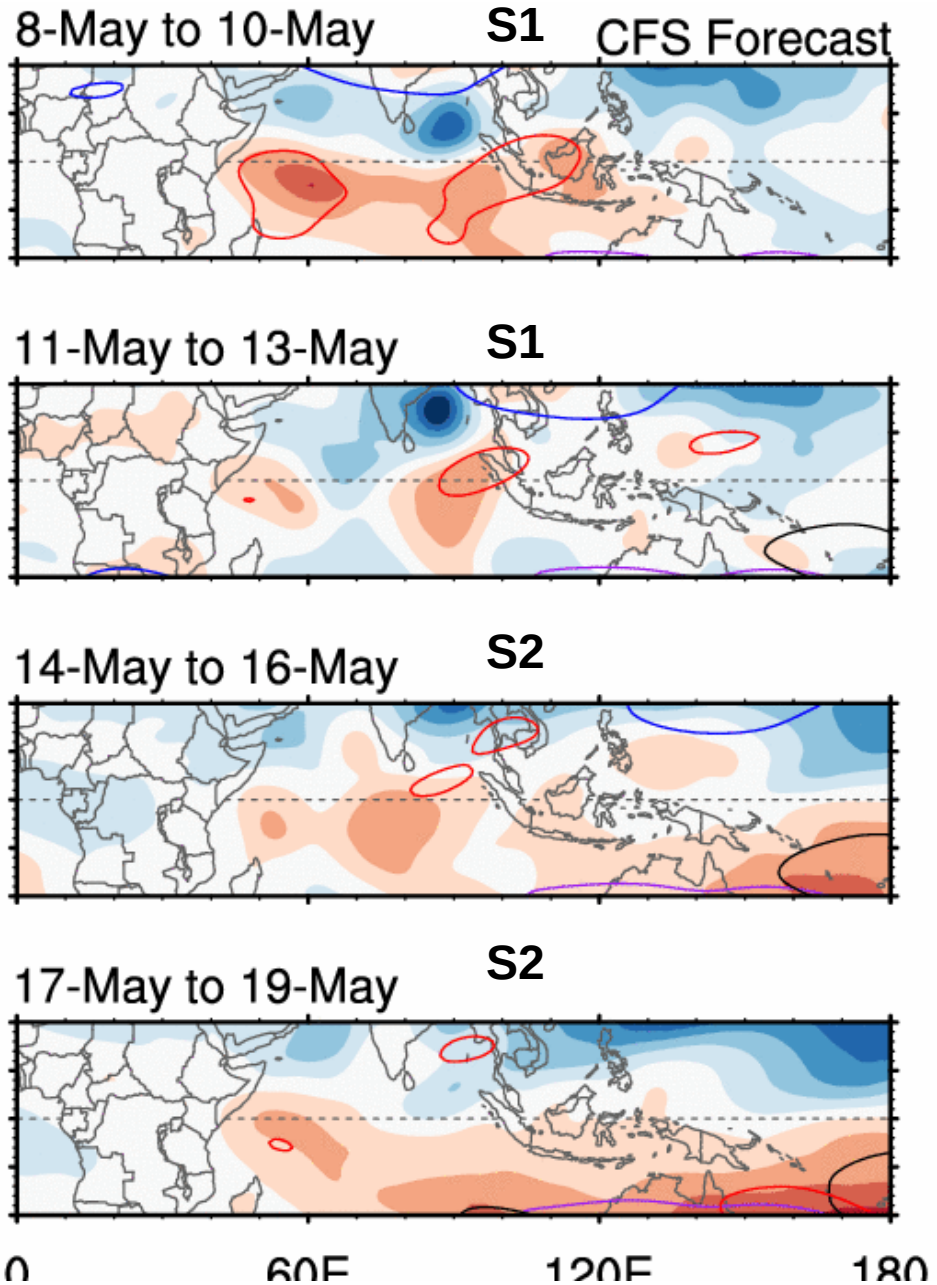


S1 / S2 – SF 850 – MJO, ER et Kelvin dans l'Indien



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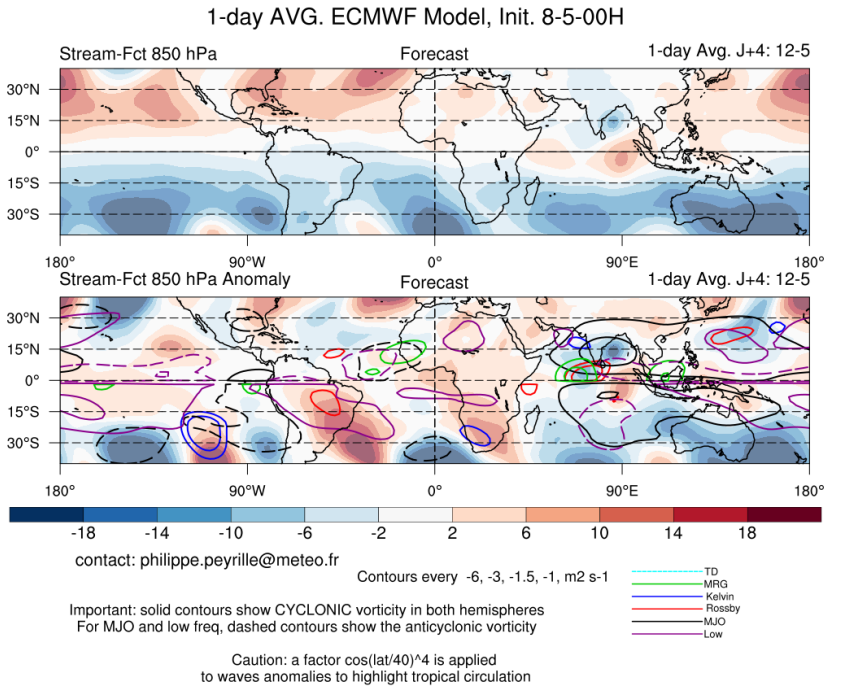

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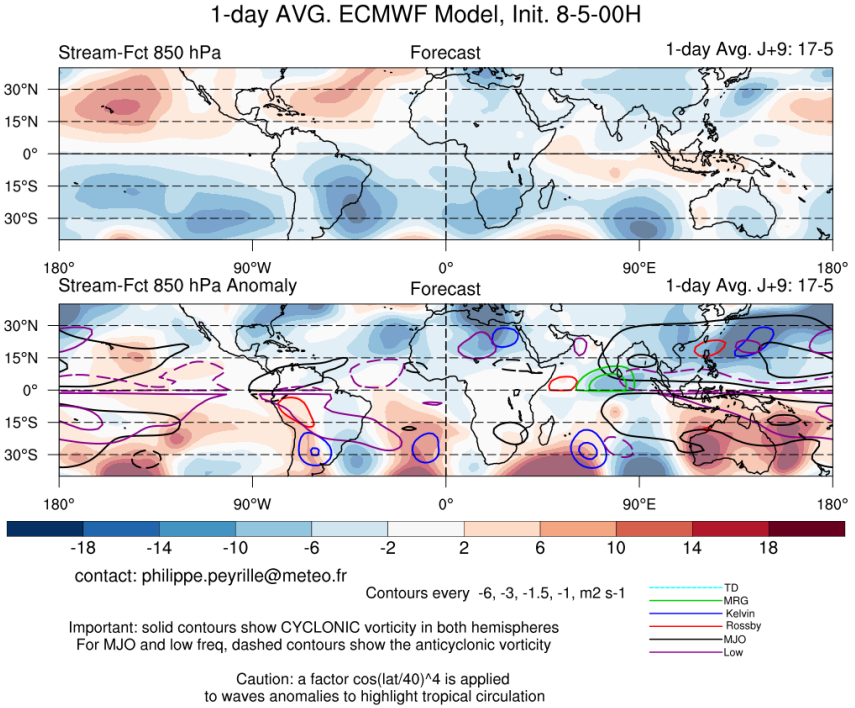
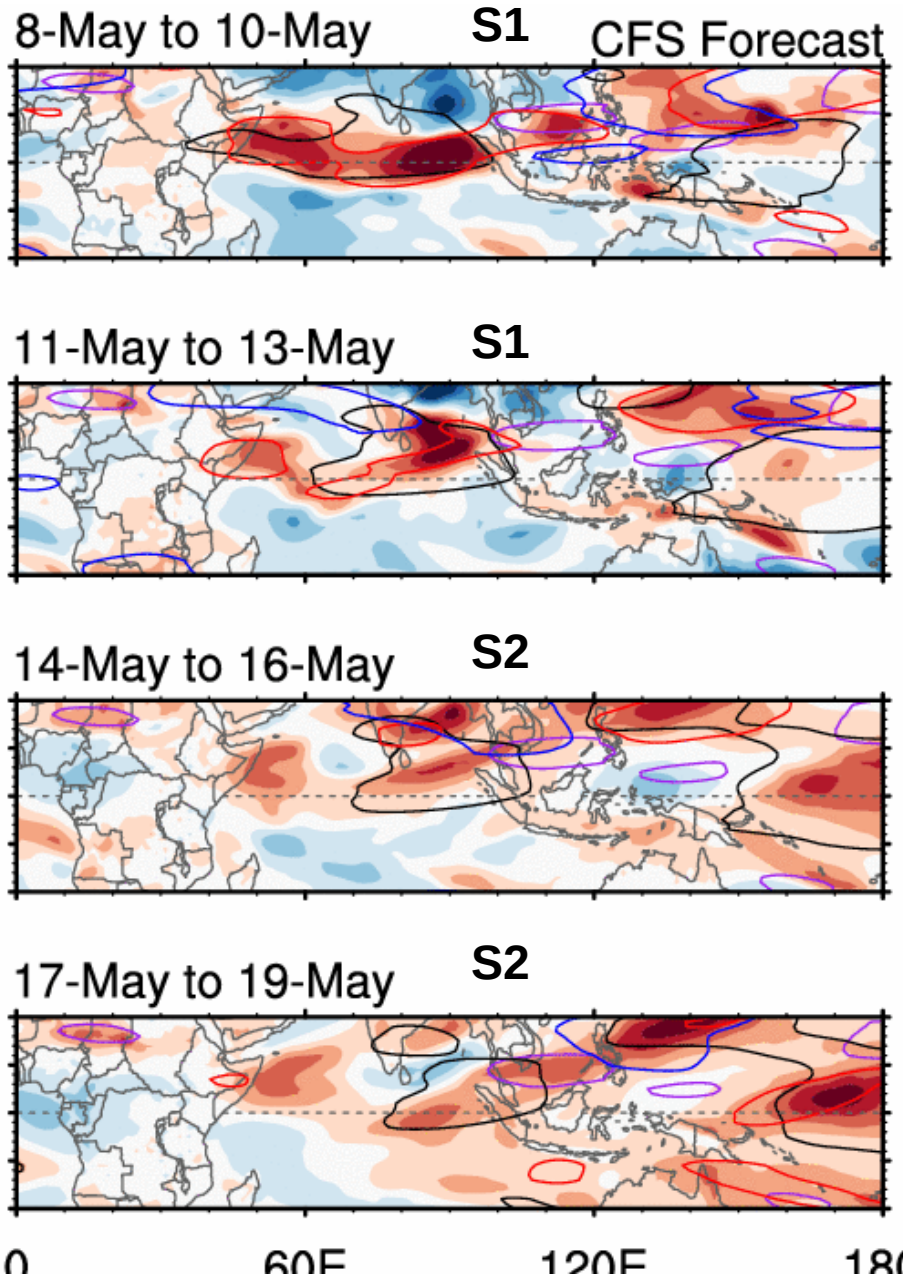


S1 / S2 – U850 - MJO, ER, Kelvin dans l'Indien



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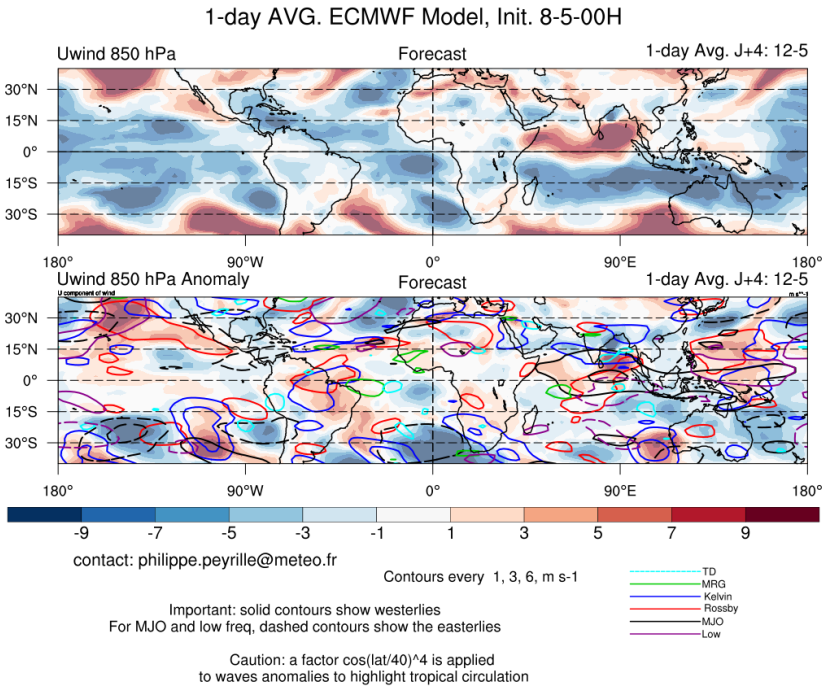

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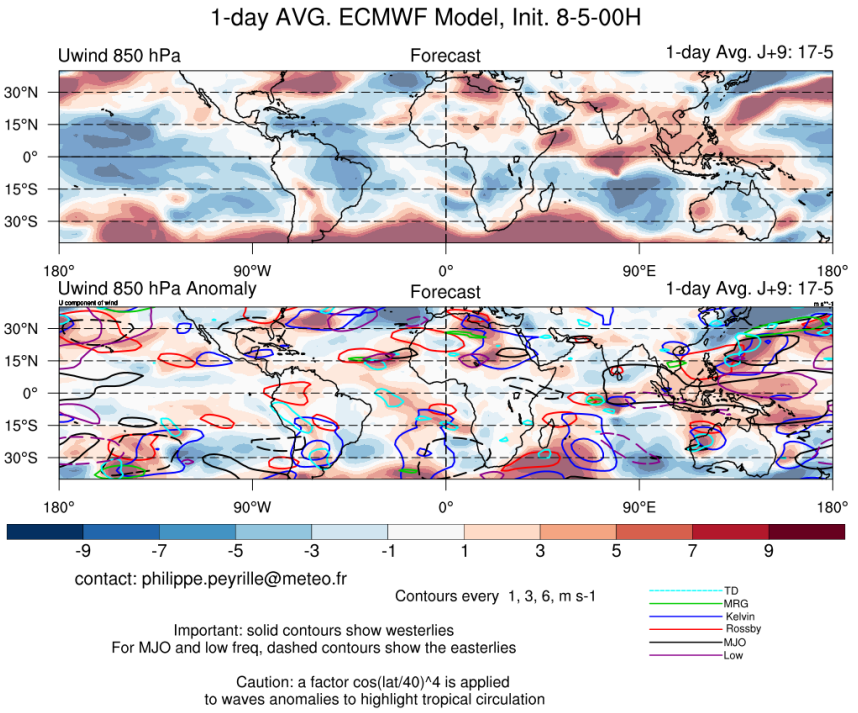
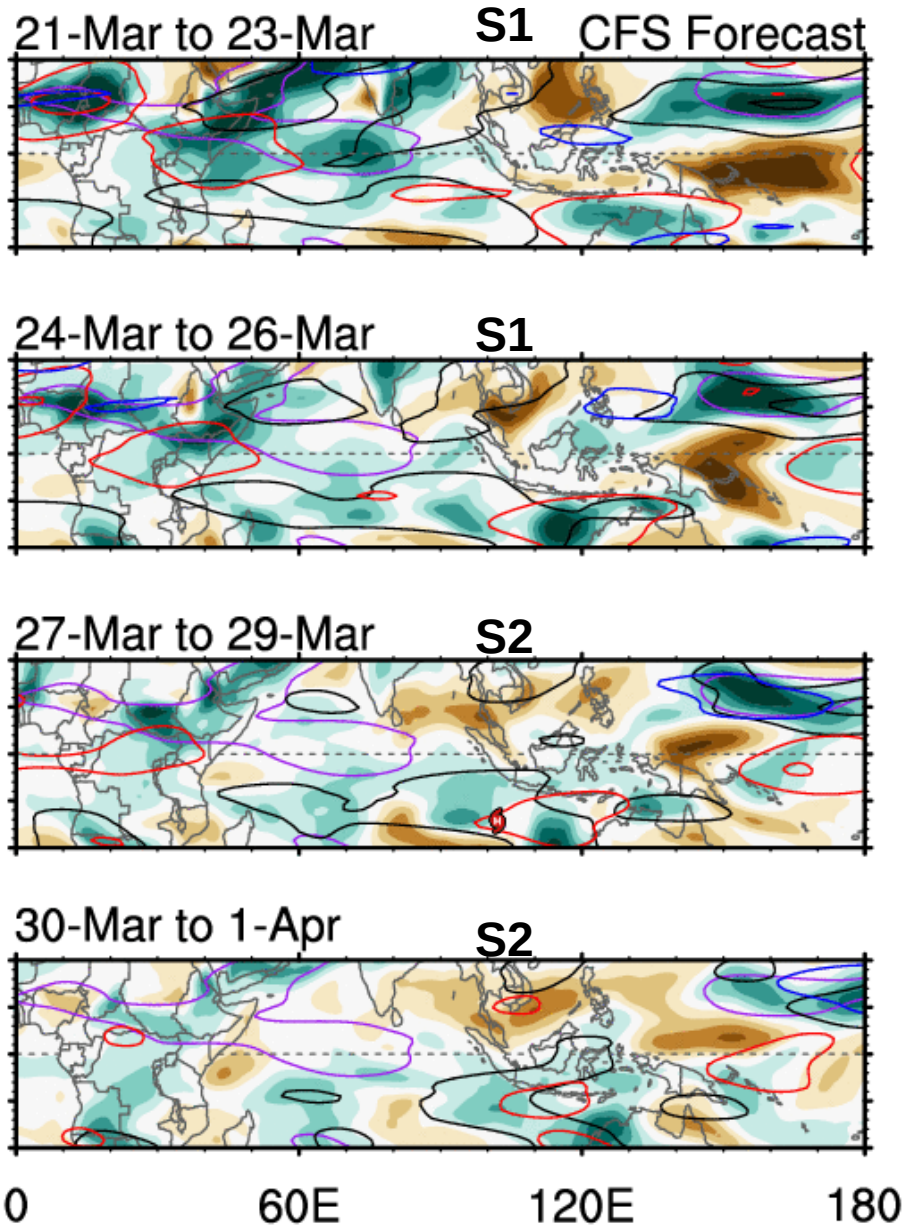


S1 / S2 – PW - MJO, ER, Kelvin dans l'Indien



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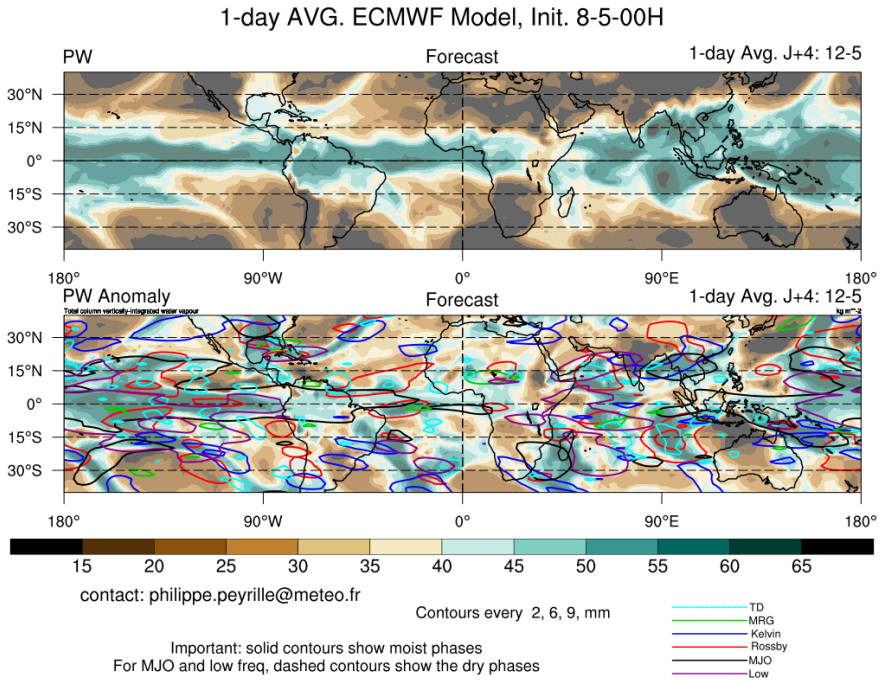

S2