

**PERSPECTIVA AGROCLIMÁTICA PARA EL FINAL DE LA
TEMPORADA 2023/2024 Y EL INICIO DE LA TEMPORADA
2024/2025 EN EL ÁREA AGRÍCOLA DEL PARAGUAY**



**Ing Agr Eduardo M. Sierra
Especialista en Agroclimatología**

15 de Abril de 2024

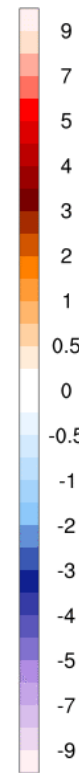
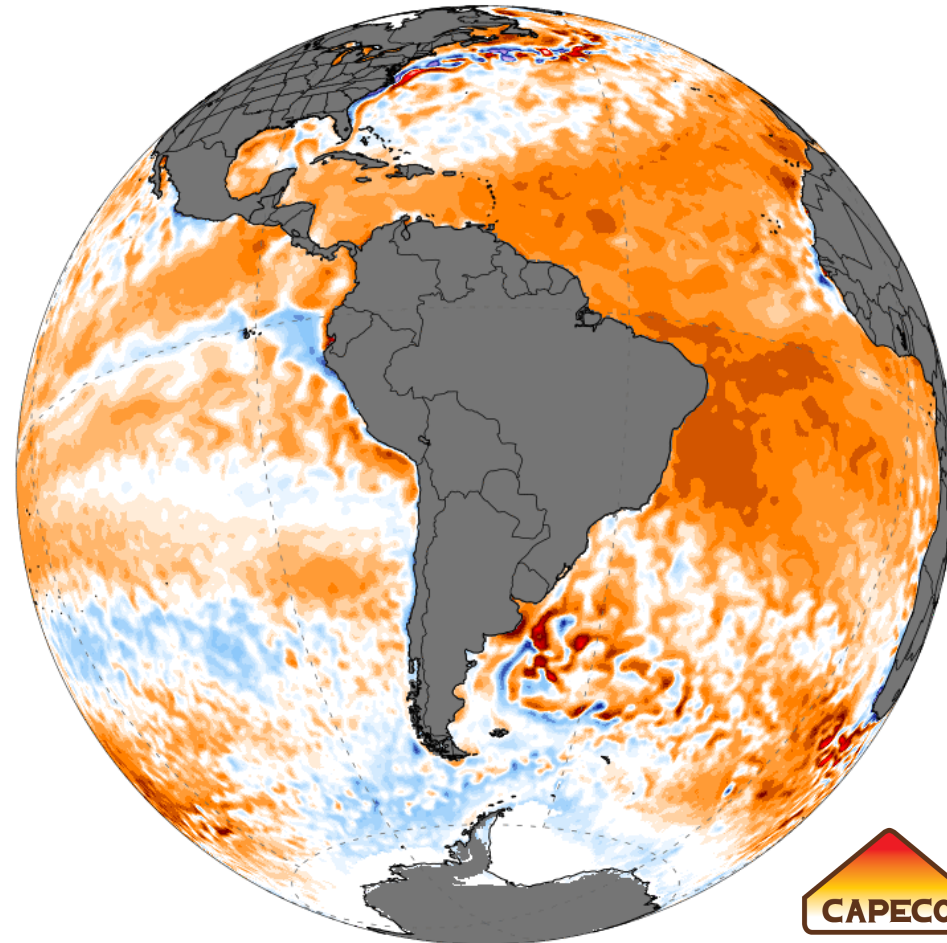
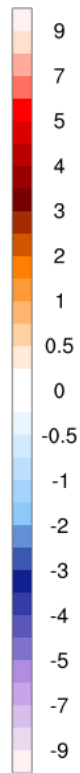
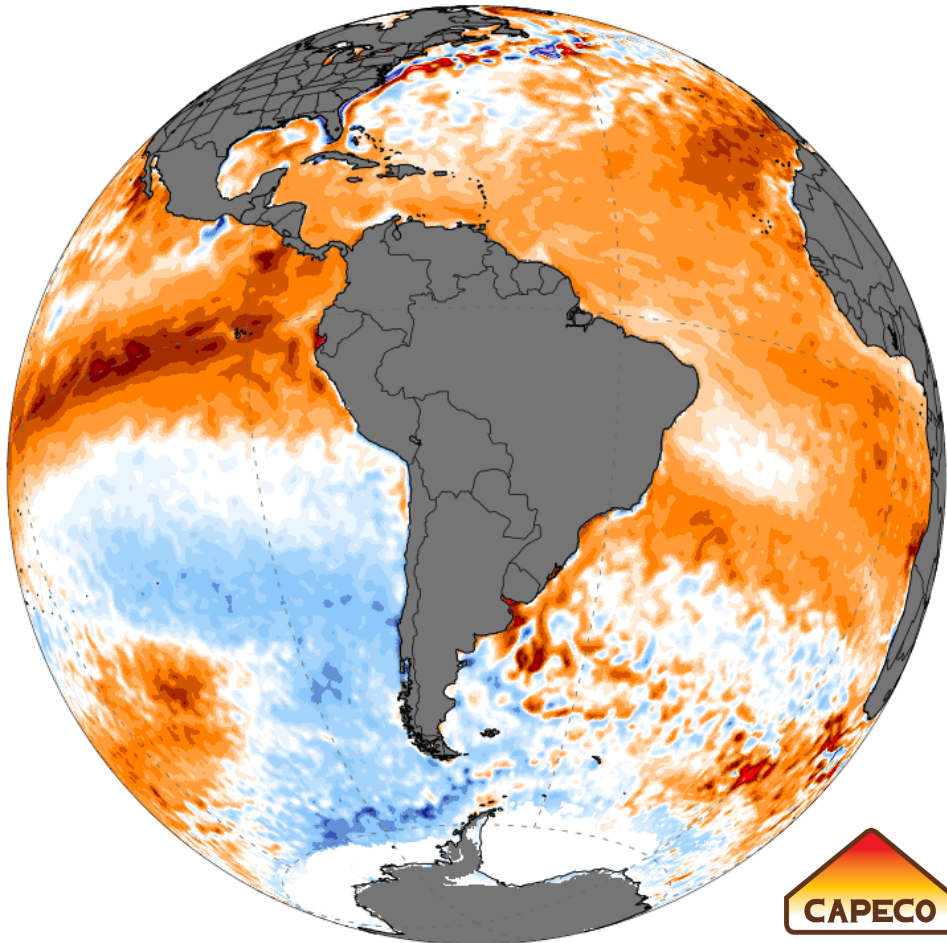
ESTADO Y POSIBLE EVOLUCIÓN DEL SISTEMA CLIMÁTICO



OISST SST Anomaly (°C) [1971-2000 baseline]
1-day Avg | Mon, Dec 18, 2023

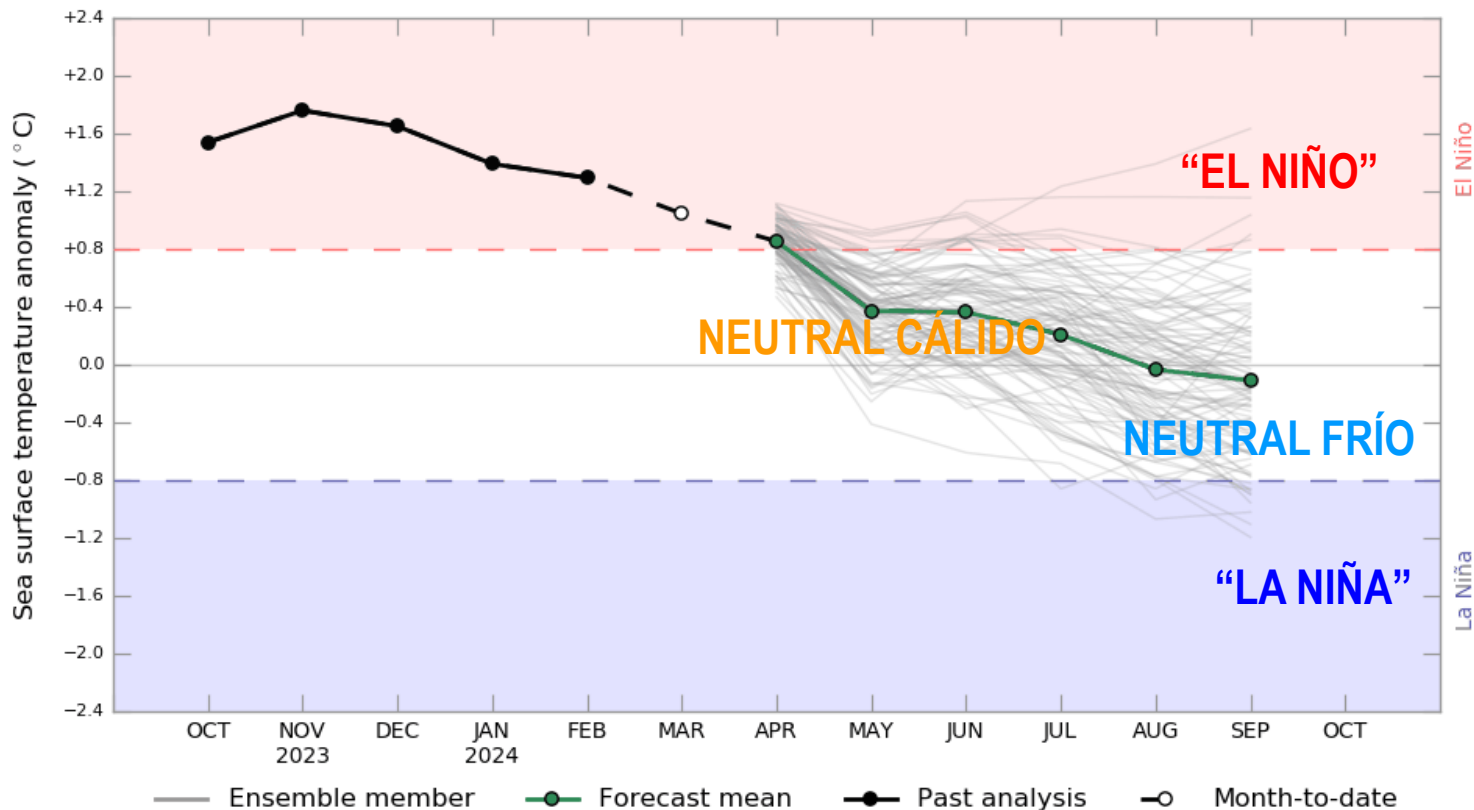
ClimateReanalyzer.org OISST SST Anomaly (°C) [1971-2000 baseline]
Climate Change Institute | University of Maine 1-day Avg | Fri, Apr 12, 2024

ClimateReanalyzer.org
Climate Change Institute | University of Maine





NINO3.4 index

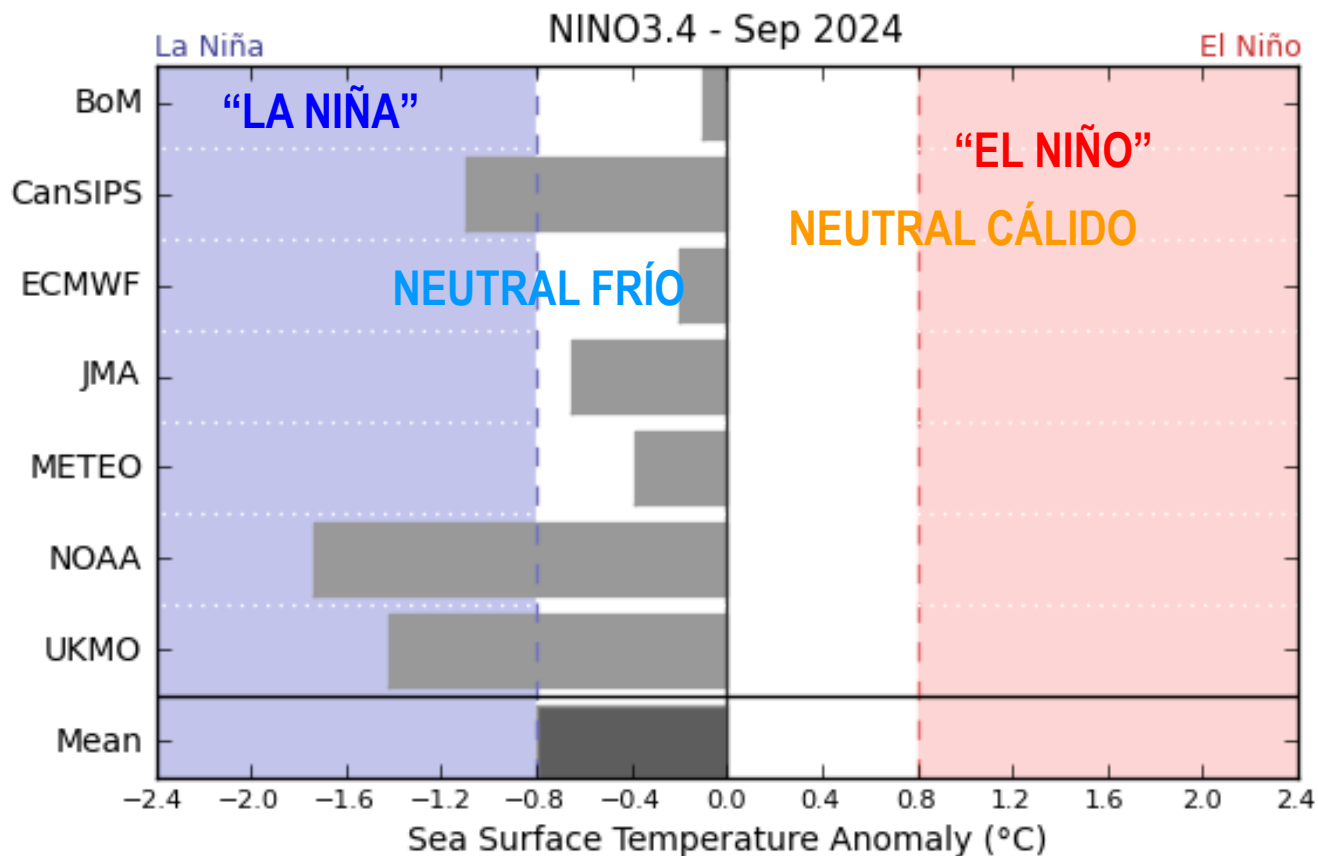


www.bom.gov.au/climate
Commonwealth of Australia 2024, Australian Bureau of Meteorology

Past analysis base period: 1961-1990
Forecast base period: 1981-2018

Model: ACCESS-S2
Model run: 30 Mar 2024

REANÁLISIS Y PRONÓSTICO DE LA EVOLUCIÓN DE LAS ANOMALÍAS DE TEMPERATURA EN LA ZONA "EL NIÑO 3.4", EMITIDA POR EL BOM (AU) EL 30 DE MARZO DE 2024

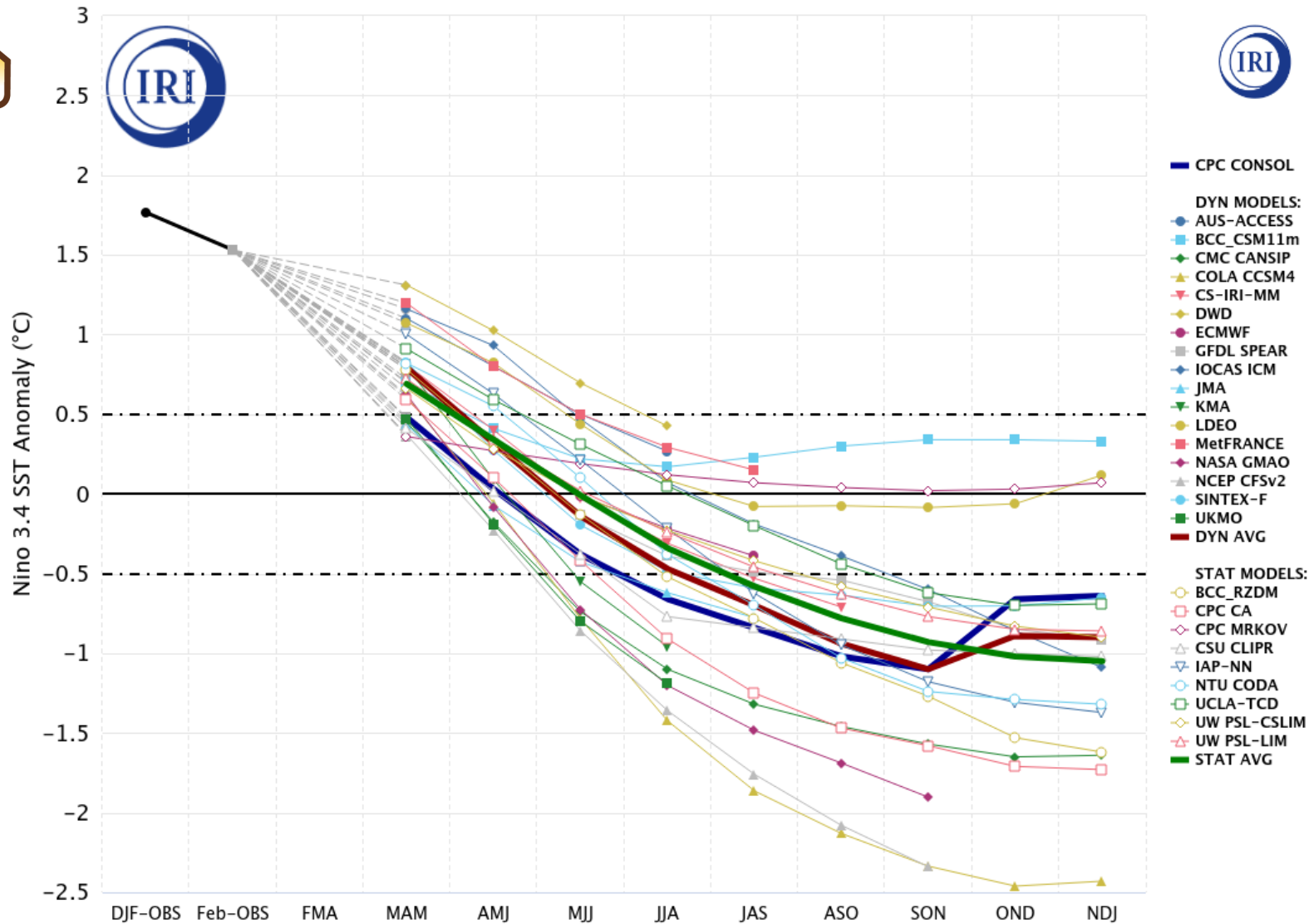


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COMPULSA DE PRONÓSTICOS DE LA EVOLUCIÓN DE LAS ANOMALÍAS DE TEMPERATURA EN LA ZONA "EL NIÑO 3.4", EMITIDA POR EL BOM (AU) EL 30 DE MARZO DE 2024



Model Predictions of ENSO from Mar 2024



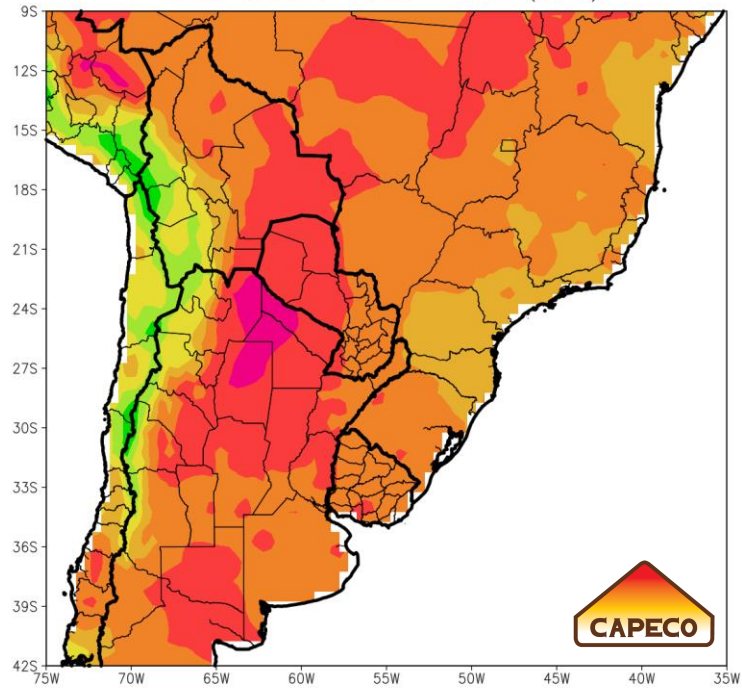
- CPC CONSOL
- DYN MODELS:
 - AUS-ACCESS
 - BCC_CSM11m
 - CMC CANSP
 - COLA CCSM4
 - CS-IRI-MM
 - DWD
 - ECMWF
 - GFDL SPEAR
 - IOCAS ICM
 - JMA
 - KMA
 - LDEO
 - MetFRANCE
 - NASA GMAO
 - NCEP CFSv2
 - SINTEX-F
 - UKMO
 - DYN AVG
- STAT MODELS:
 - BCC_RZDM
 - CPC CA
 - CPC MRKOV
 - CSU CLIPR
 - IAP-NN
 - NTU CODA
 - UCLA-TCD
 - UW PSL-CSLIM
 - UW PSL-LIM
 - STAT AVG

REANALISIS REGIONAL VERANO 2024

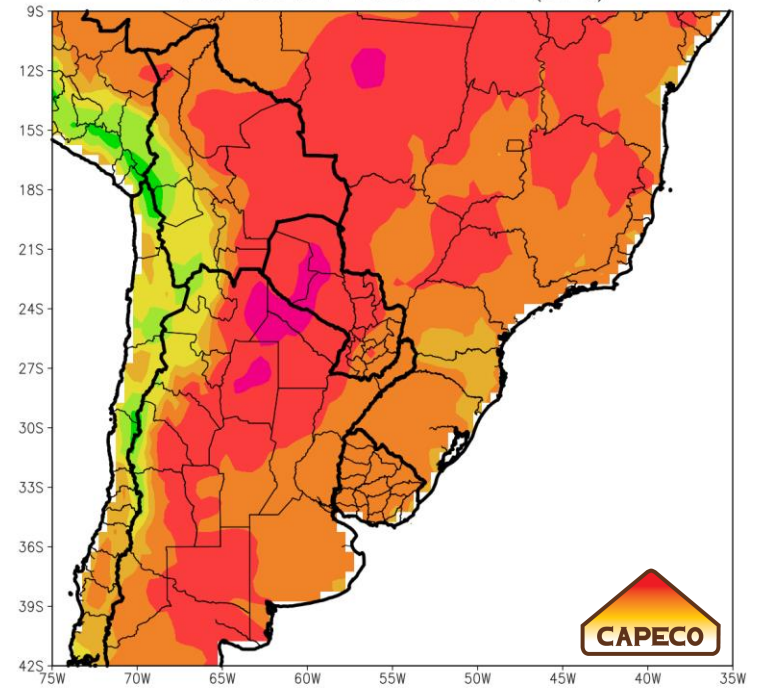


TEMPERATURA MÁXIMA ESTIVAL

TEMPERATURA MAXIMA ABSOLUTA
TEMPORADA 2022-2023 (CPC)

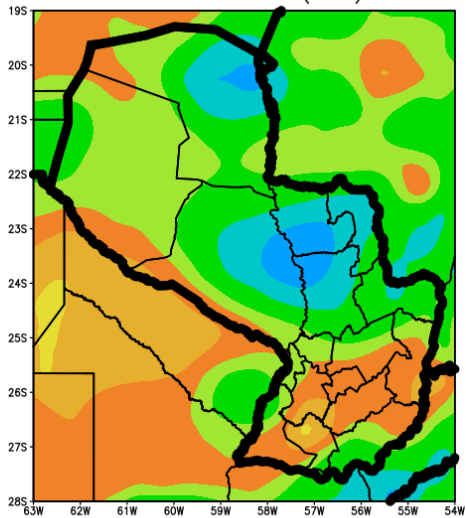


TEMPERATURA MAXIMA ABSOLUTA
TEMPORADA 2023-2024 (CPC)

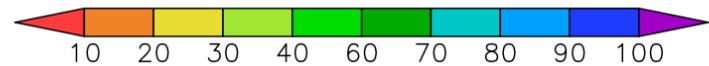
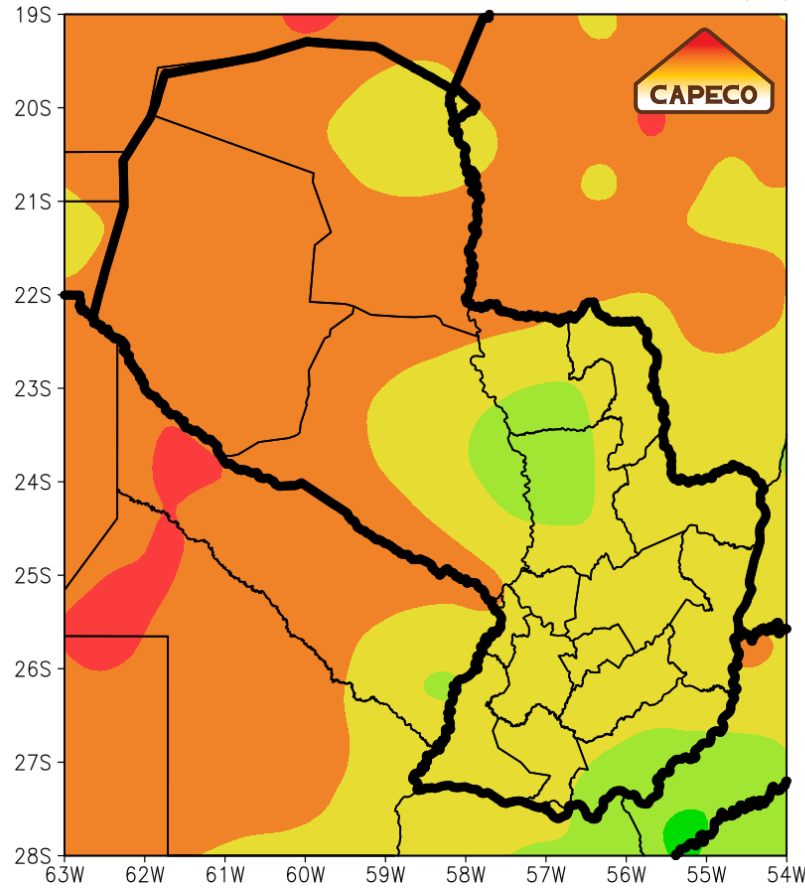




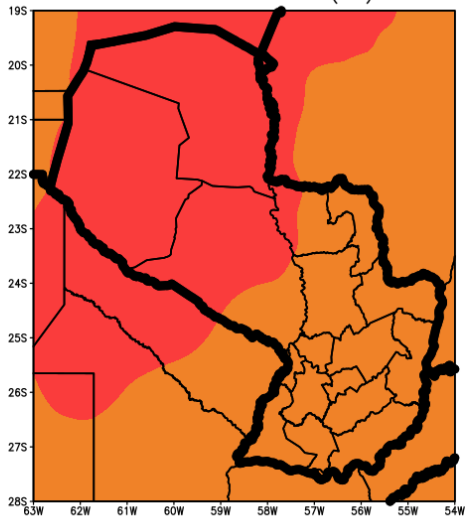
PRECIPITACION (mm)



REANALISIS BHS AÑO 2024 MES 1 (Enero)
CONTENIDO DE AGUA DEL SUELO (%)

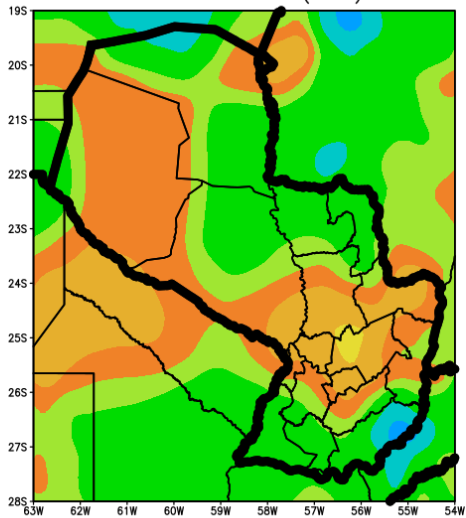


TEMPERATURA MEDIA (GC)

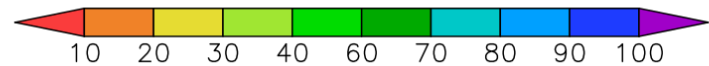
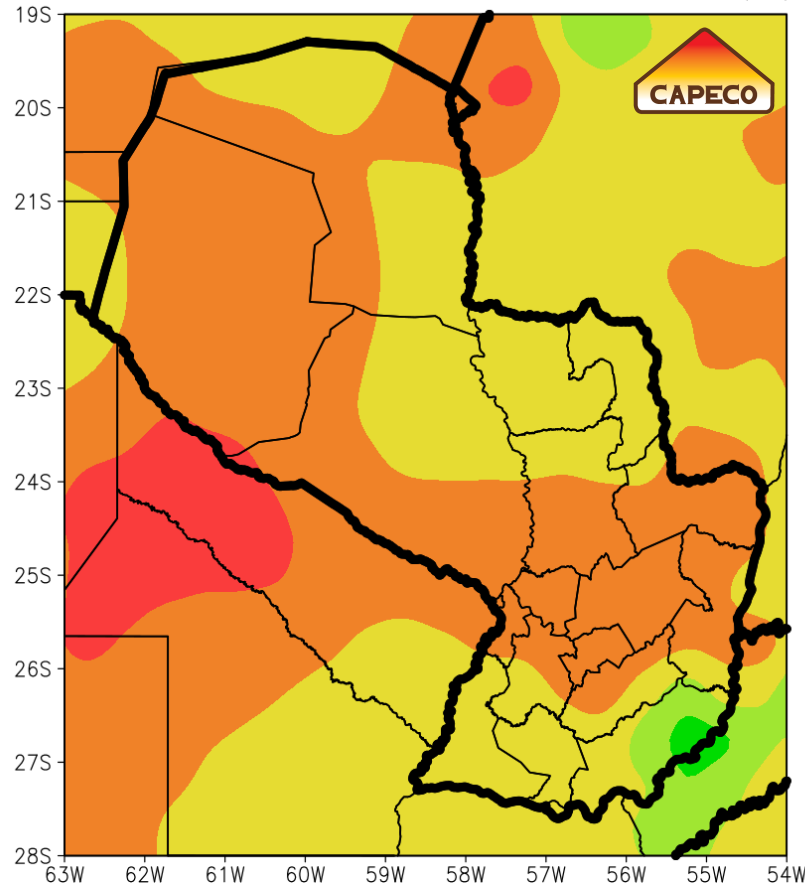




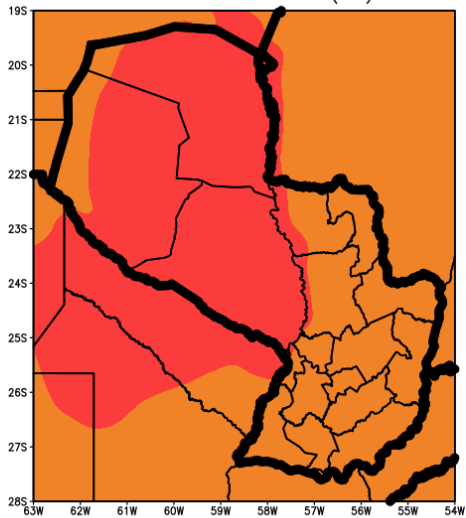
PRECIPITACION (mm)



REANALISIS BHS AÑO 2024 MES 2 (Febrero)
CONTENIDO DE AGUA DEL SUELO (%)

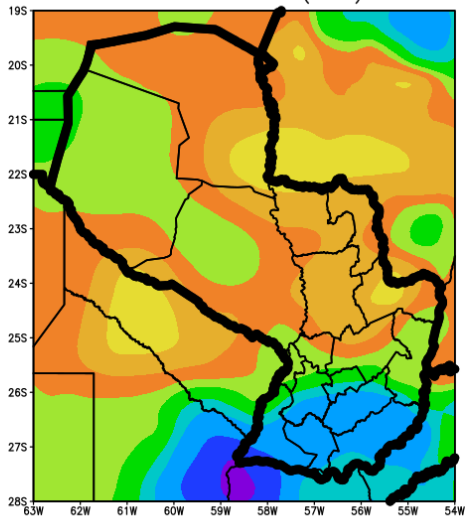


TEMPERATURA MEDIA (GC)

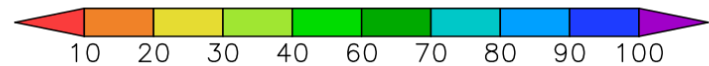
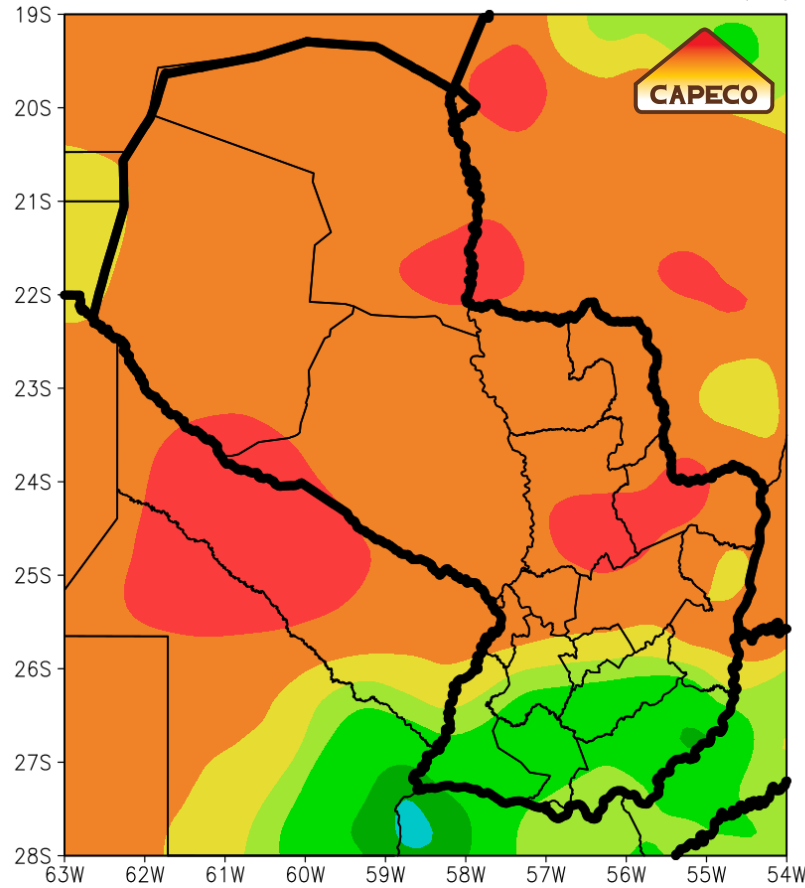




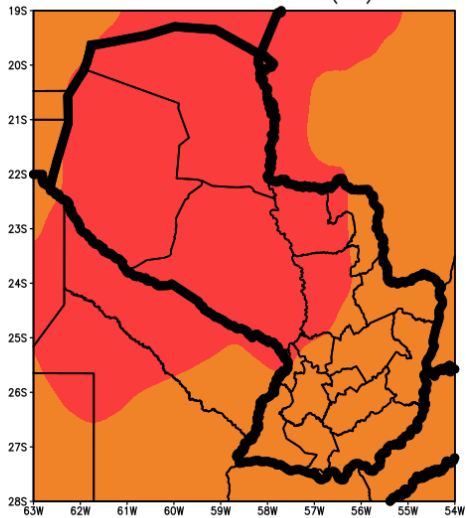
PRECIPITACION (mm)



REANALISIS BHS AÑO 2024 MES 3 (Marzo)
CONTENIDO DE AGUA DEL SUELO (%)



TEMPERATURA MEDIA (GC)



PERSPECTIVA REGIONAL OTOÑO 2024

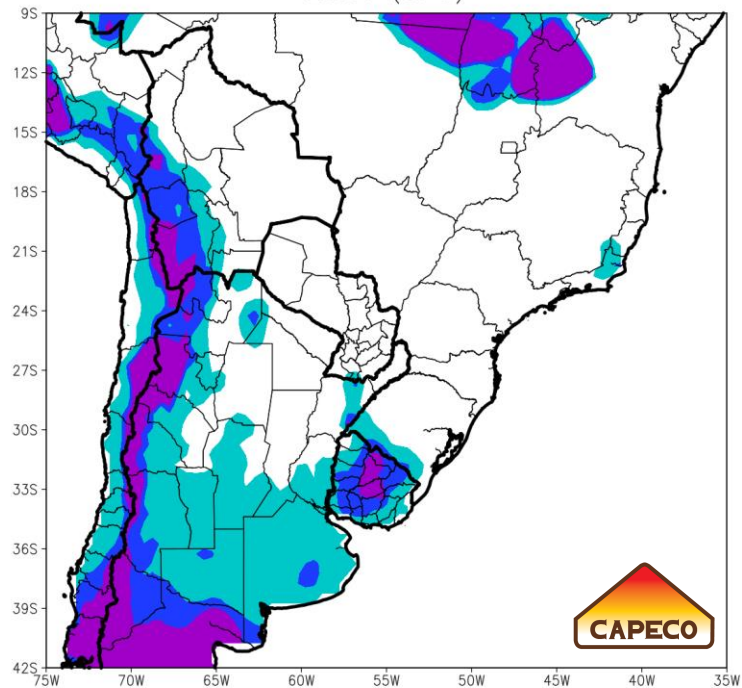


REGIMEN DE HELADAS 2024

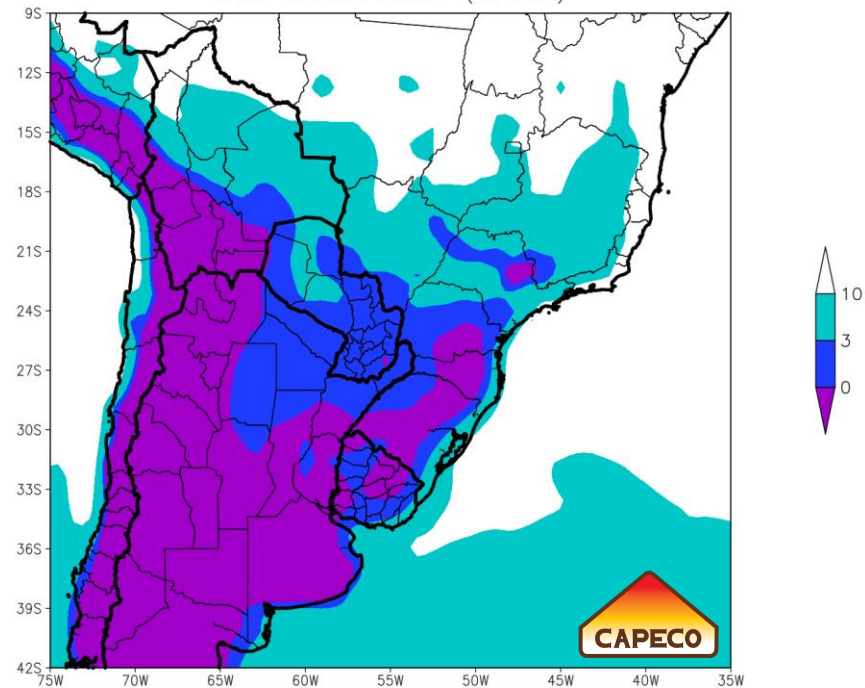
HASTA EL 9/04

EN TODA LA TEMPORADA

TEMPERATURA MINIMA ABSOLUTA ANUAL OBSERVADA
2024 (CPC)



TEMPERATURA MINIMA ABSOLUTA PREVISTA
TEMPORADA 2024 (CFSV2)



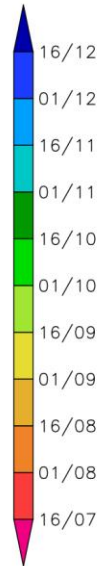
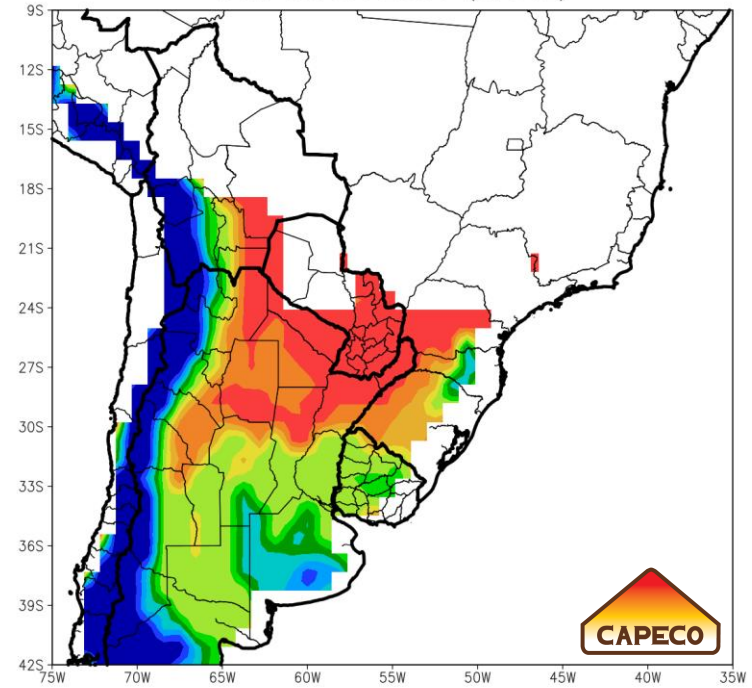
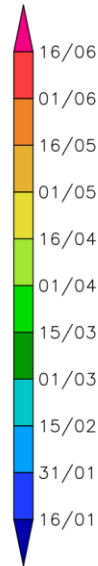
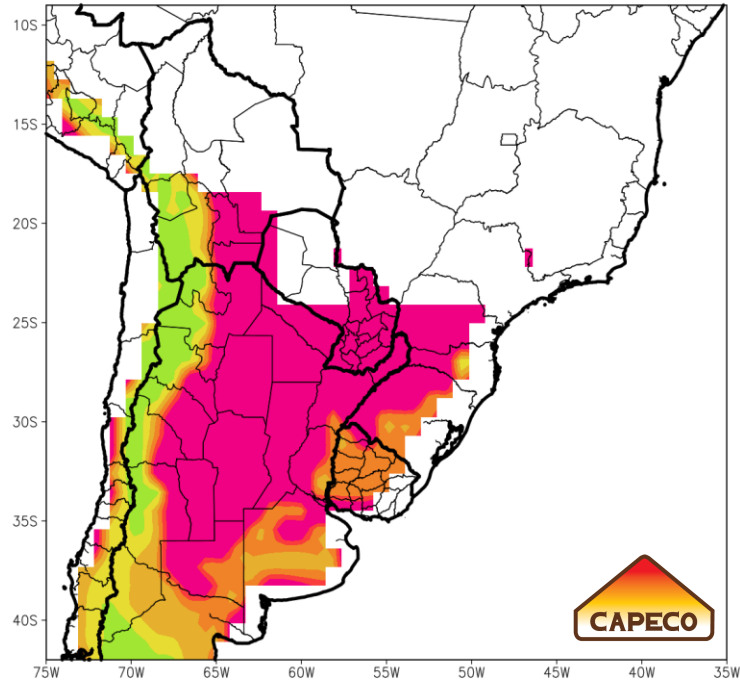
REGIMEN DE HELADAS 2024

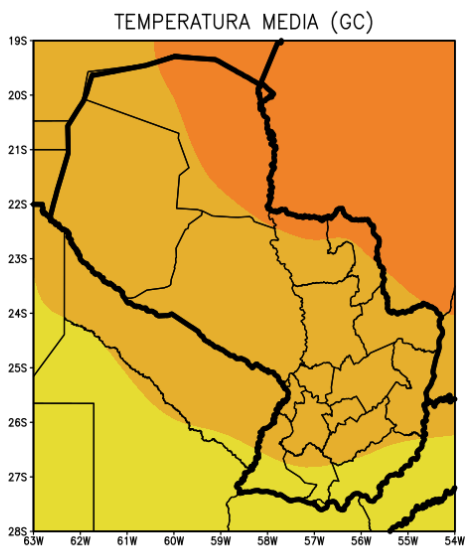
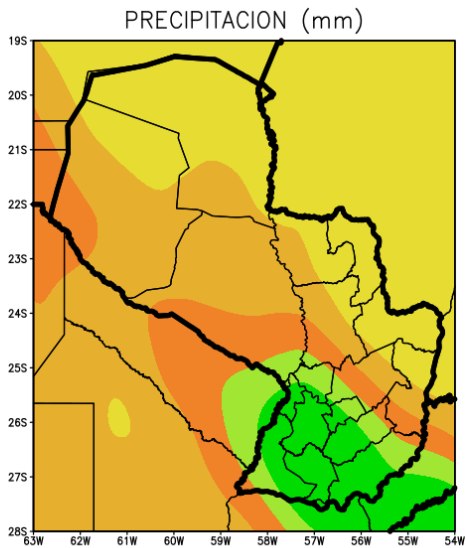
COMIENZO

FINAL

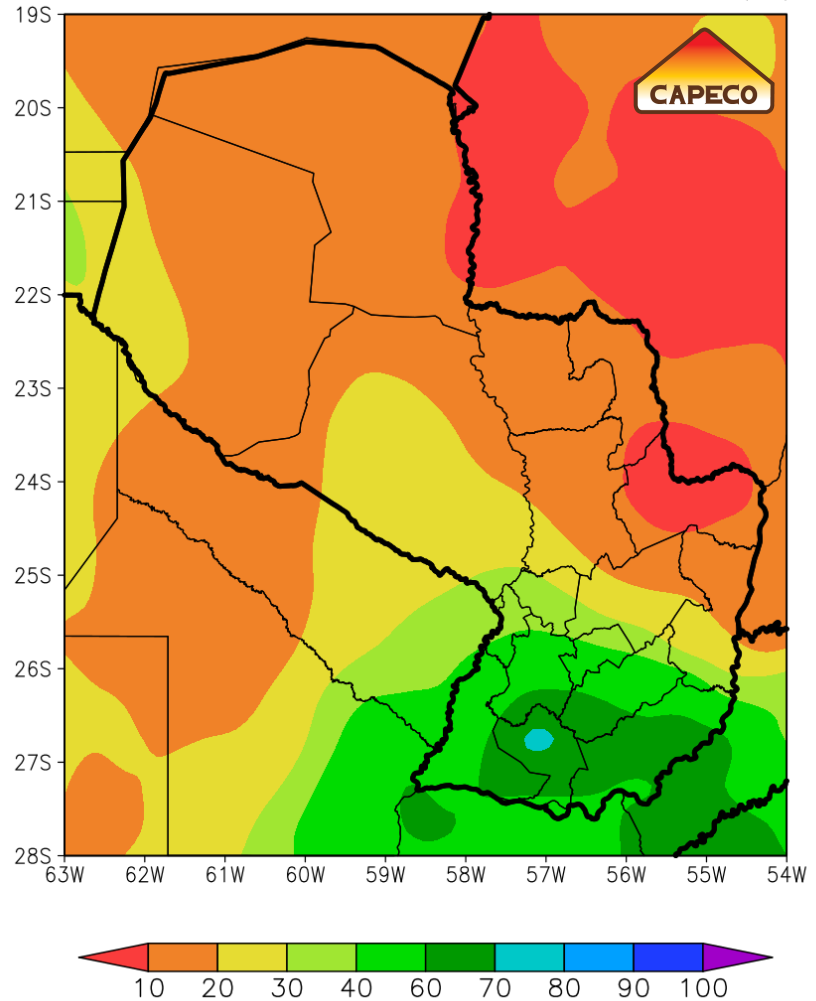
FECHA PREVISTA DE PRIMERA HELADA AGRONOMICA (Minima < 3 GC)
TEMPORADA 2024 (CFSV2)

FECHA PREVISTA DE ULTIMA HELADA AGRONOMICA (Minima < 3 GC)
TEMPORADA 2024 (CFSV2)



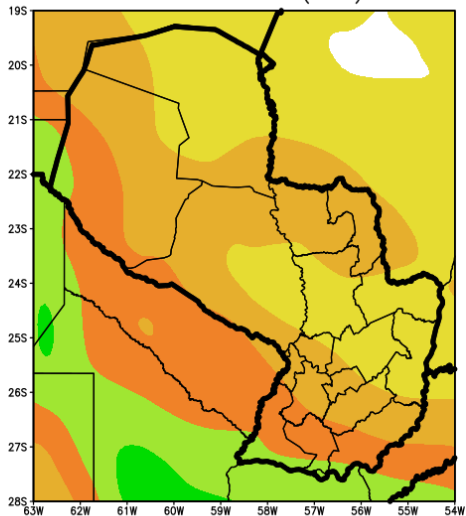


PRONOSTICO BHS ANO 2024 MES 4(Abril) CONTENIDO DE AGUA DEL SUELO (%)

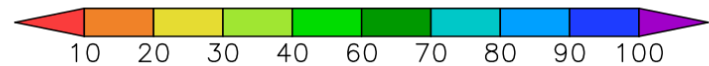
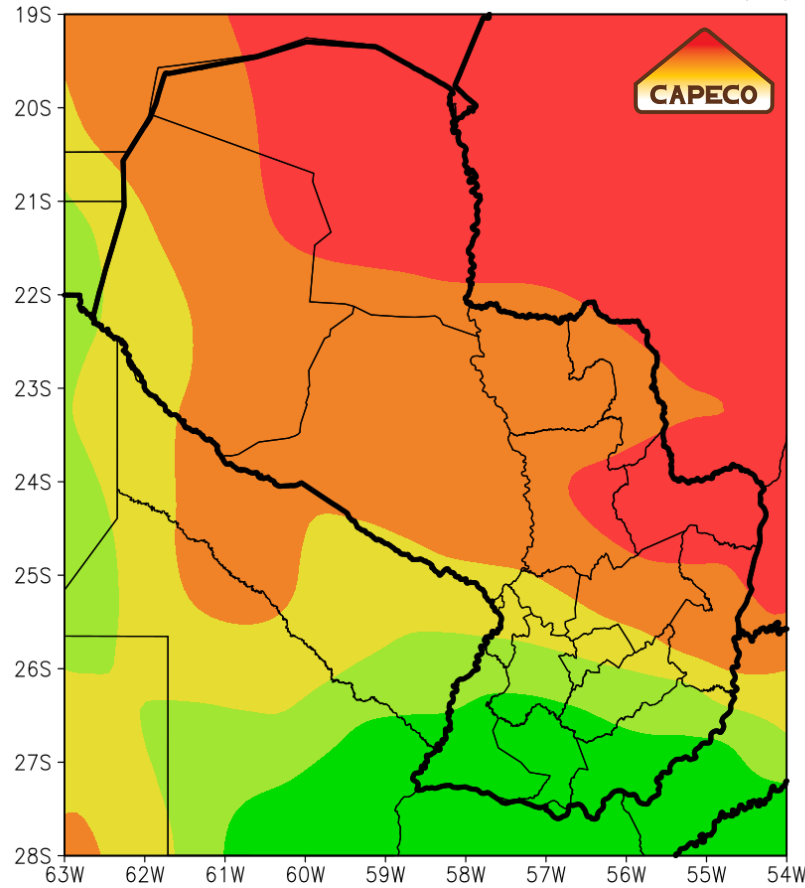




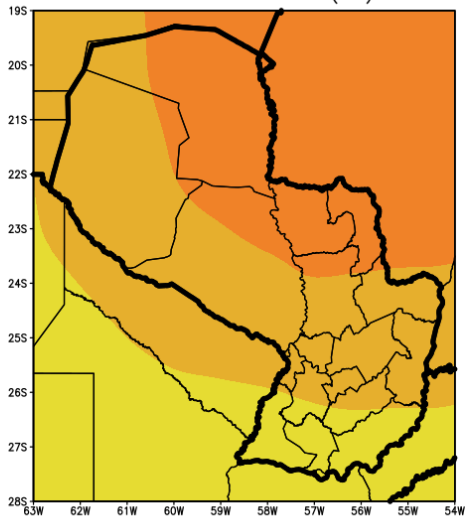
PRECIPITACION (mm)



PRONOSTICO BHS ANO 2024 MES 5(Mayo)
CONTENIDO DE AGUA DEL SUELO (%)

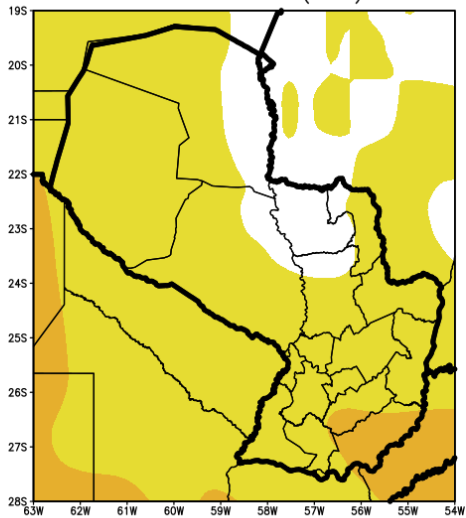


TEMPERATURA MEDIA (GC)

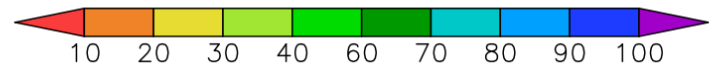
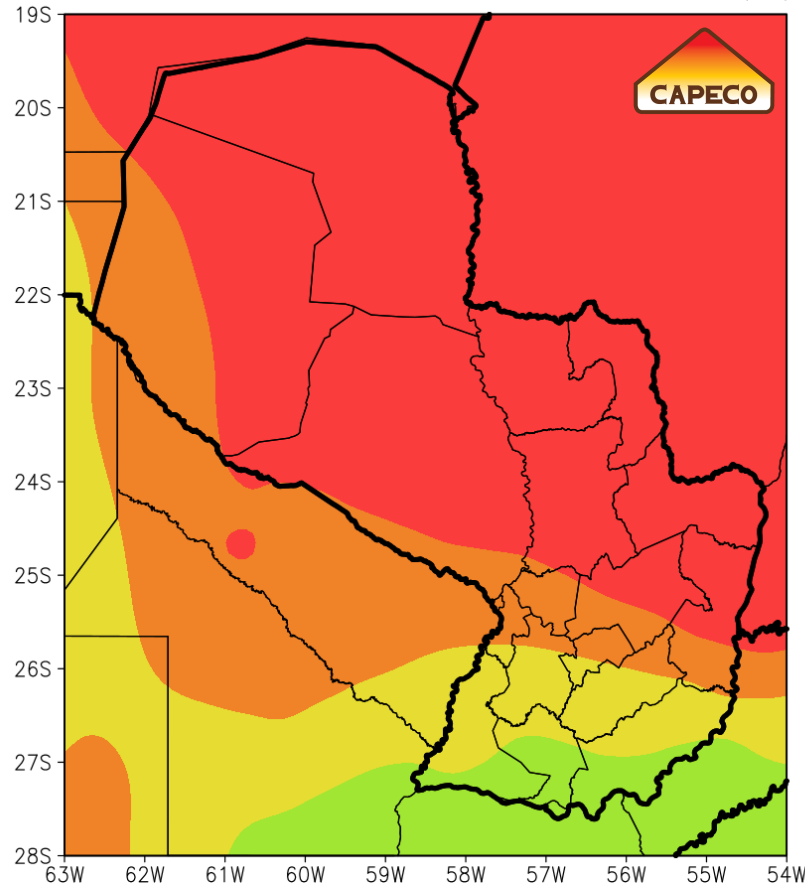




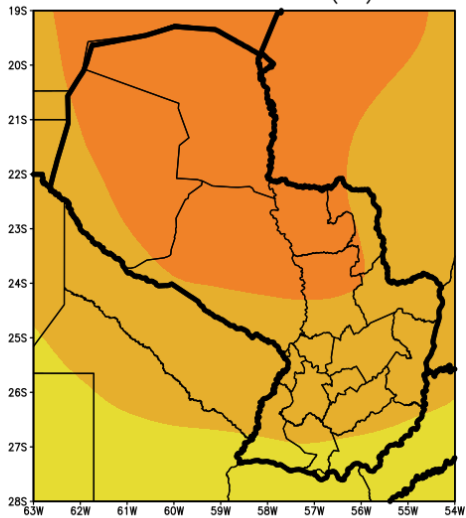
PRECIPITACION (mm)



PRONOSTICO BHS ANO 2024 MES 6(Junio)
CONTENIDO DE AGUA DEL SUELO (%)



TEMPERATURA MEDIA (GC)

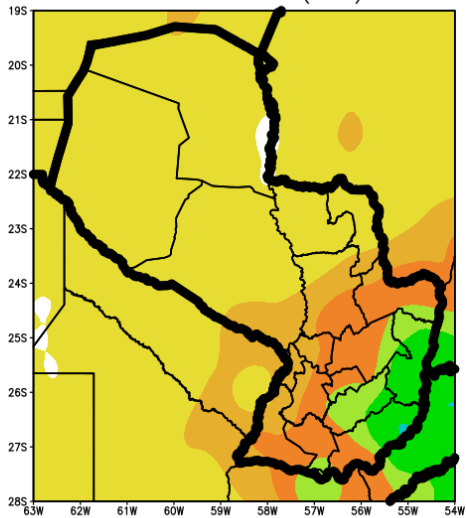


PERSPECTIVA REGIONAL INVIERNO 2024

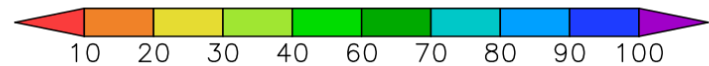
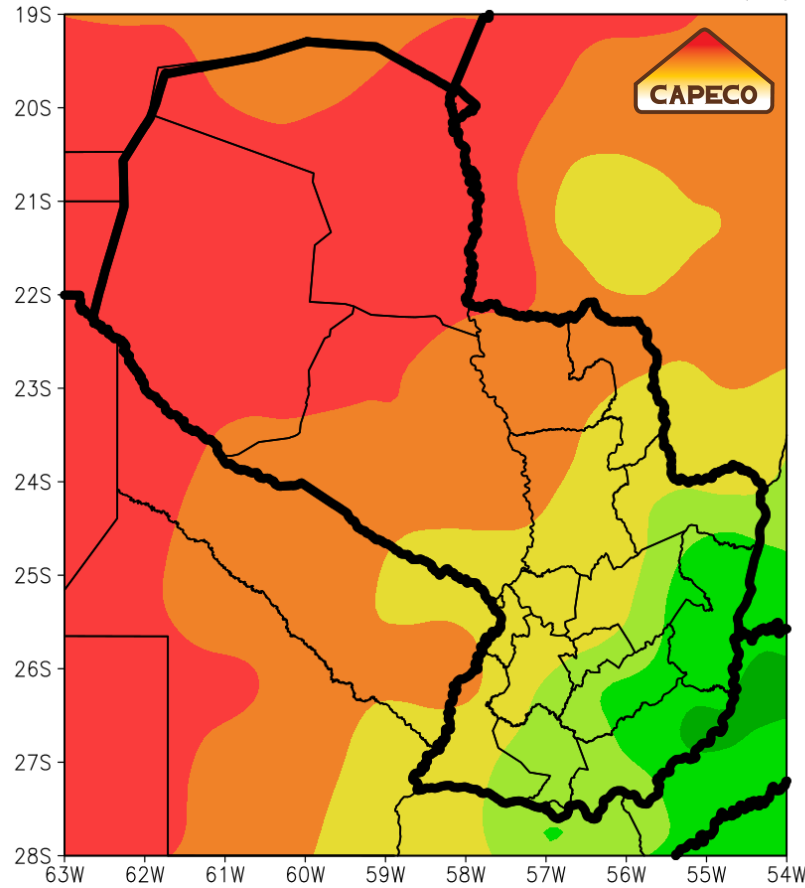




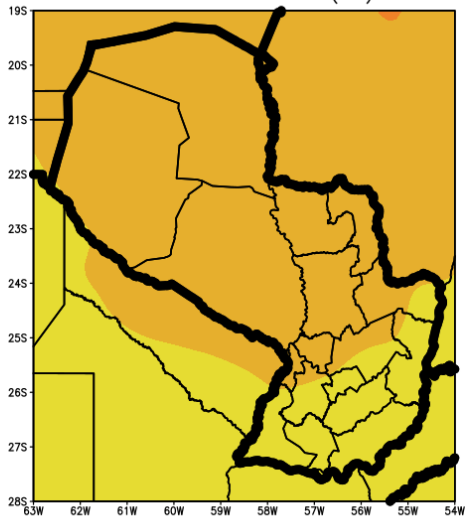
PRECIPITACION (mm)

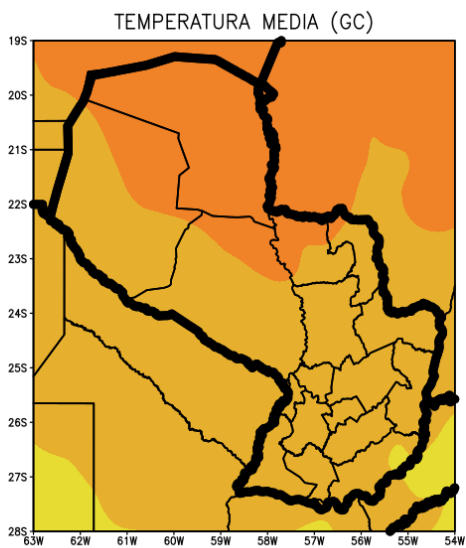
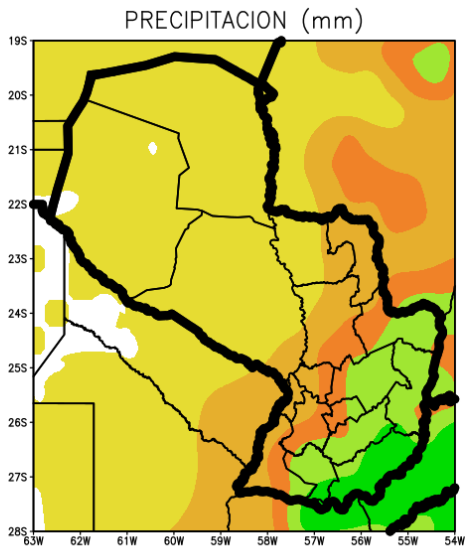


REANALISIS BHS AÑO 2023 MES 7 (Julio)
CONTENIDO DE AGUA DEL SUELO (%)

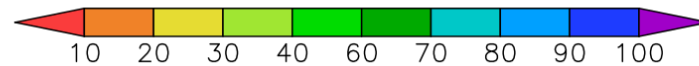
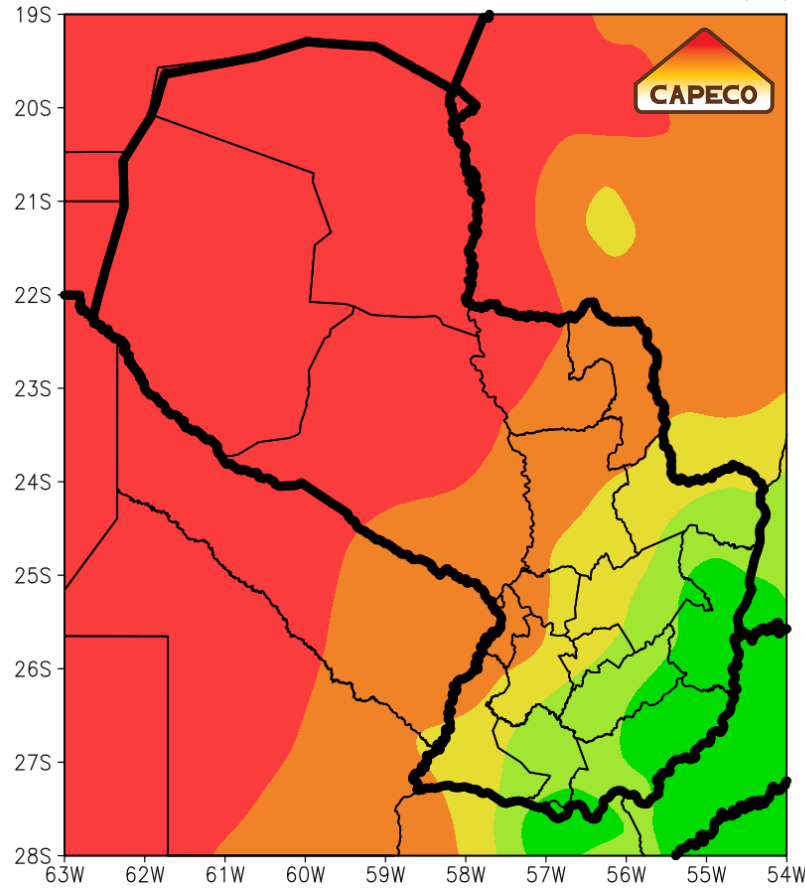


TEMPERATURA MEDIA (GC)



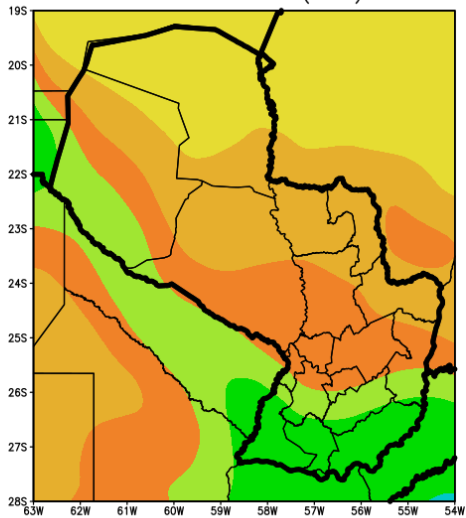


REANALISIS BHS AÑO 2023 MES 8 (Agosto)
CONTENIDO DE AGUA DEL SUELO (%)

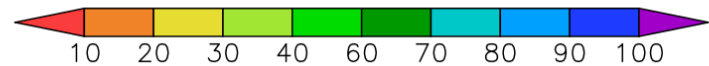
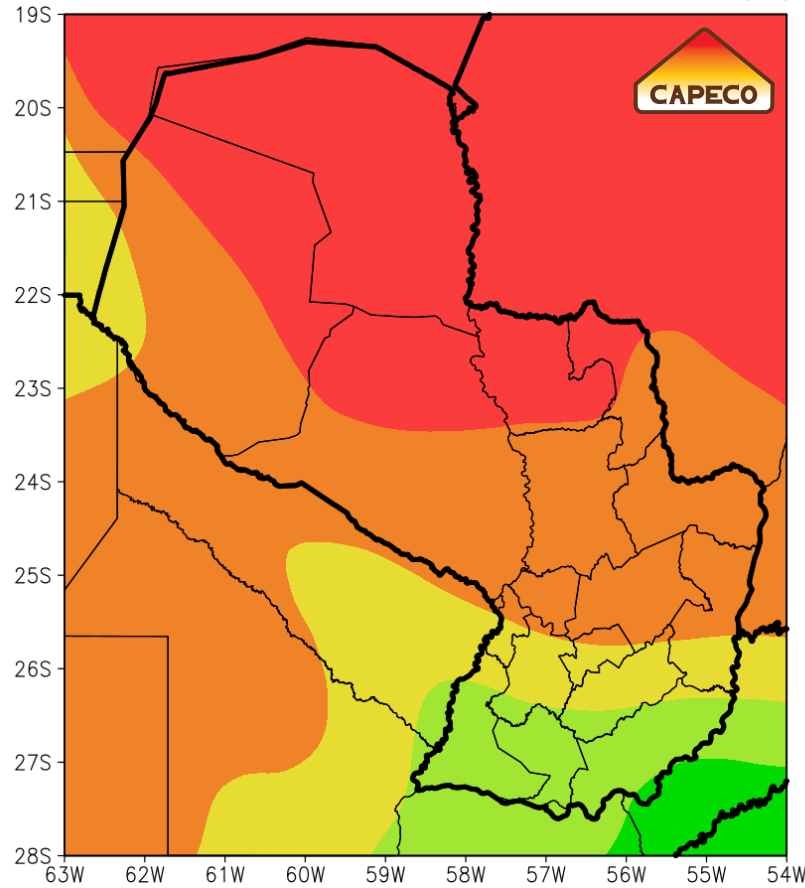




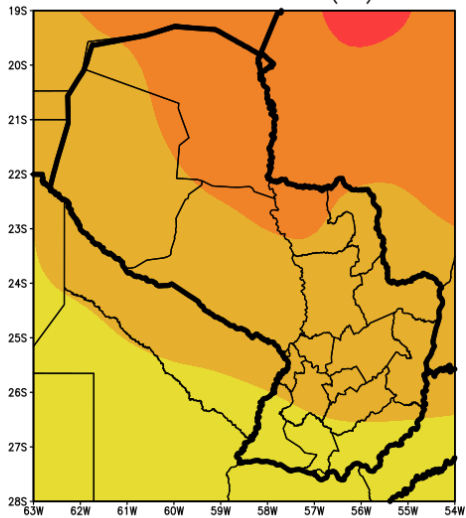
PRECIPITACION (mm)



PRONOSTICO BHS ANO 2024 MES 9(Septiembre)
CONTENIDO DE AGUA DEL SUELO (%)



TEMPERATURA MEDIA (GC)



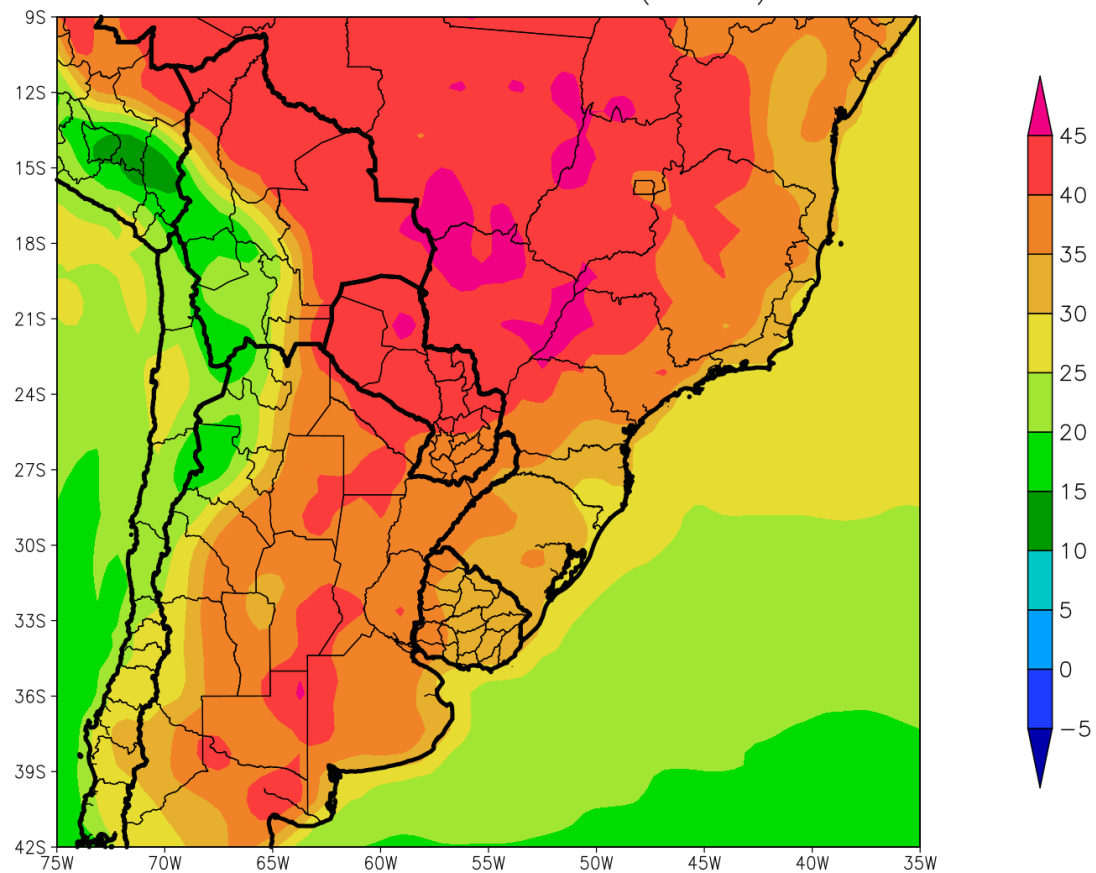
PERSPECTIVA REGIONAL PRIMAVERA 2024





TEMPERATURA MÁXIMA PREVISTA 2024/2025

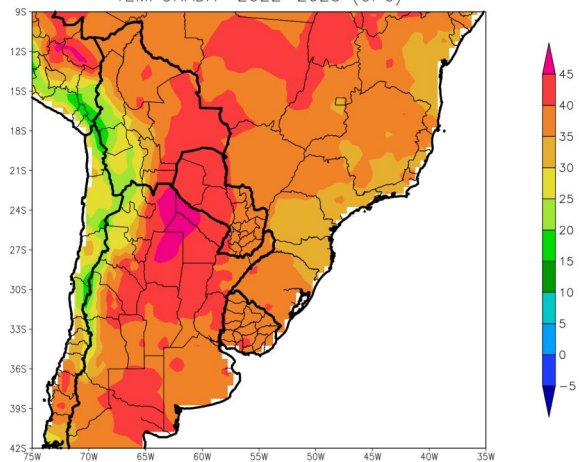
TEMPERATURA MAXIMA ABSOLUTA
TEMPORADA 2024-2025 (CFSV2)



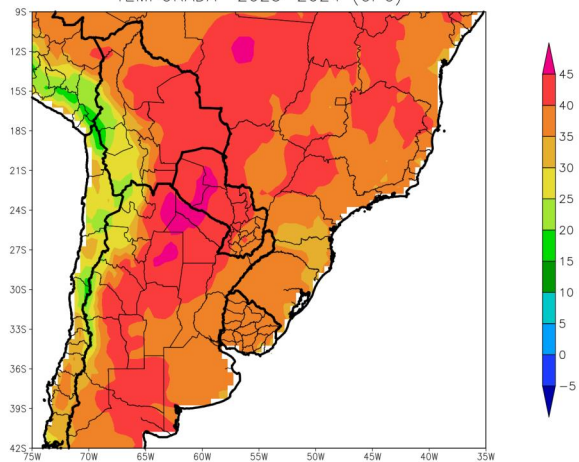


INVREMENTO DE LA TEMPERATURA MÁXIMA ESTIVAL

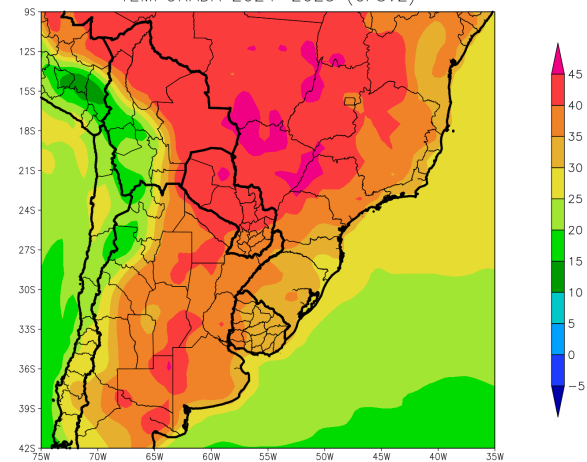
TEMPERATURA MAXIMA ABSOLUTA
TEMPORADA 2022-2023 (CPC)



TEMPERATURA MAXIMA ABSOLUTA
TEMPORADA 2023-2024 (CPC)

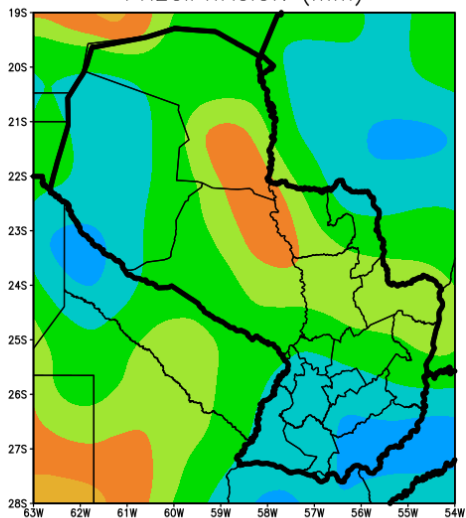


TEMPERATURA MAXIMA ABSOLUTA
TEMPORADA 2024-2025 (CFSV2)

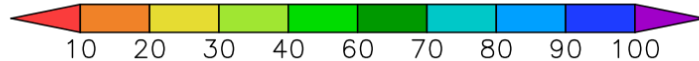
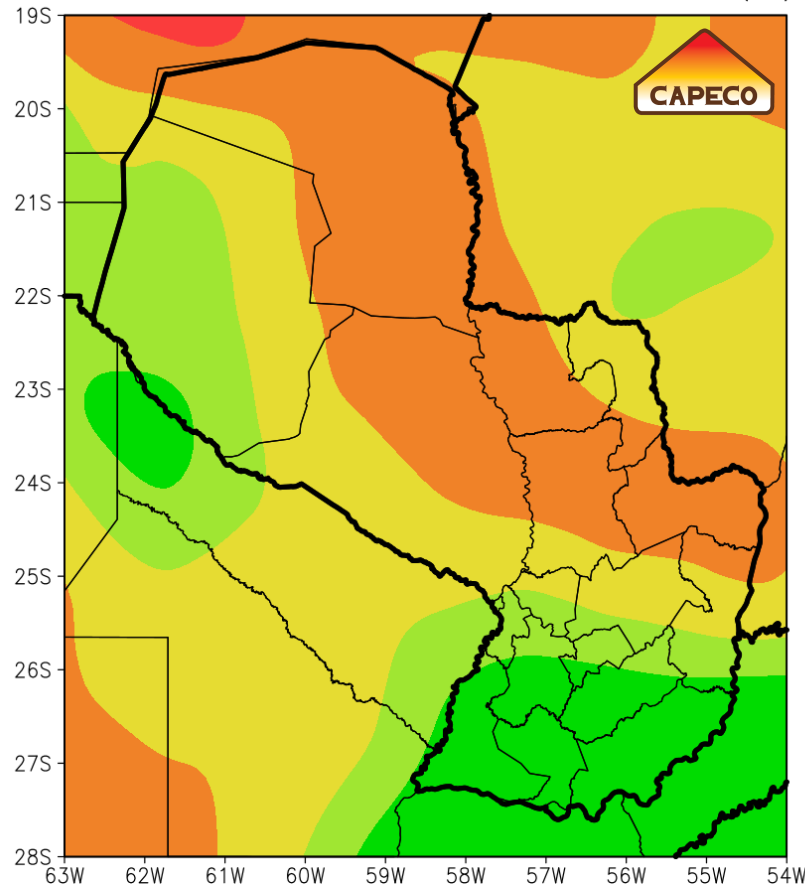




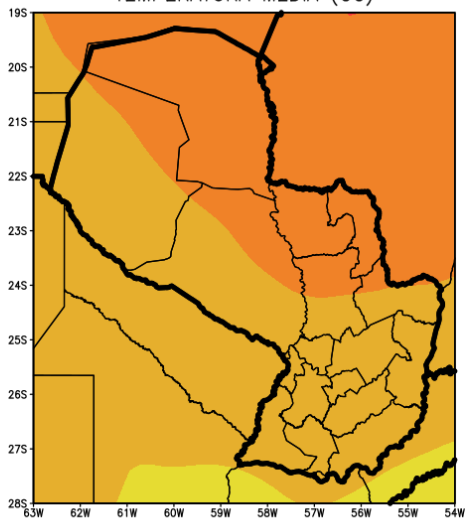
PRECIPITACION (mm)



PRONOSTICO BHS AÑO 2024 MES 10 (Octubre)
CONTENIDO DE AGUA DEL SUELO (%)

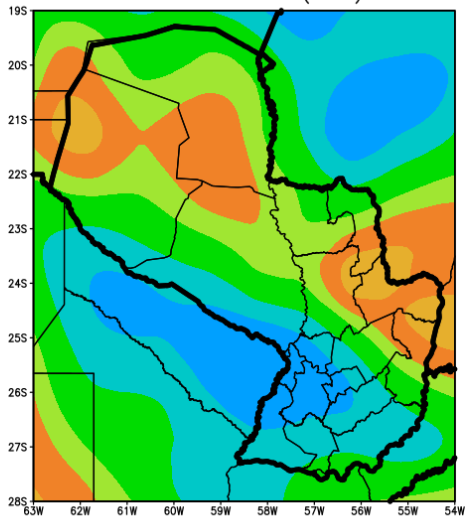


TEMPERATURA MEDIA (GC)

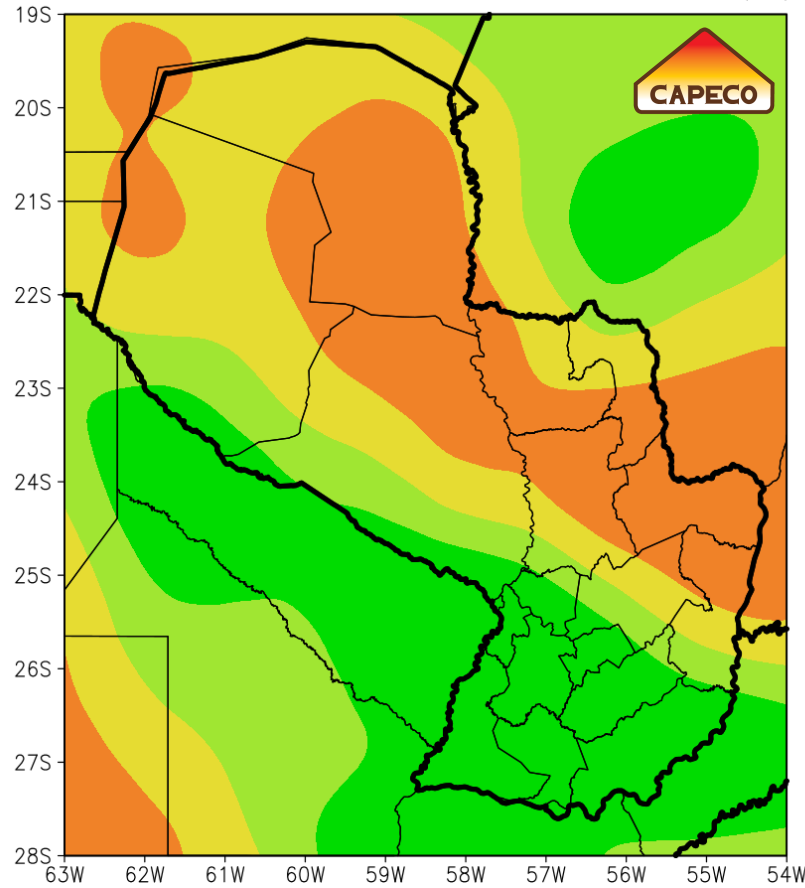




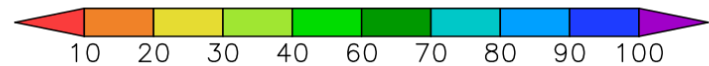
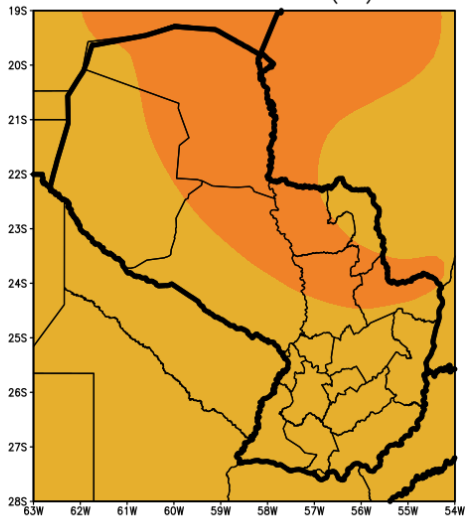
PRECIPITACION (mm)



PRONOSTICO BHS ANO 2024 MES 11 (Noviembre)
CONTENIDO DE AGUA DEL SUELO (%)

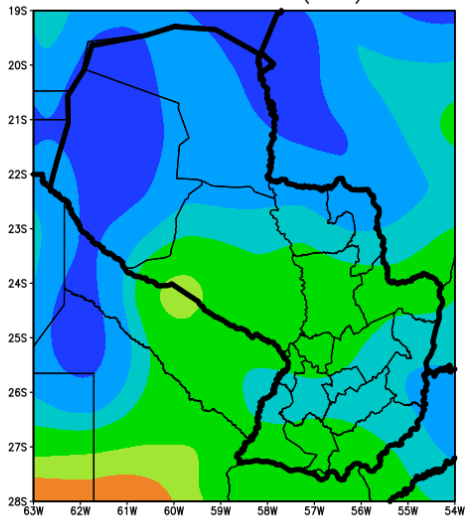


TEMPERATURA MEDIA (GC)

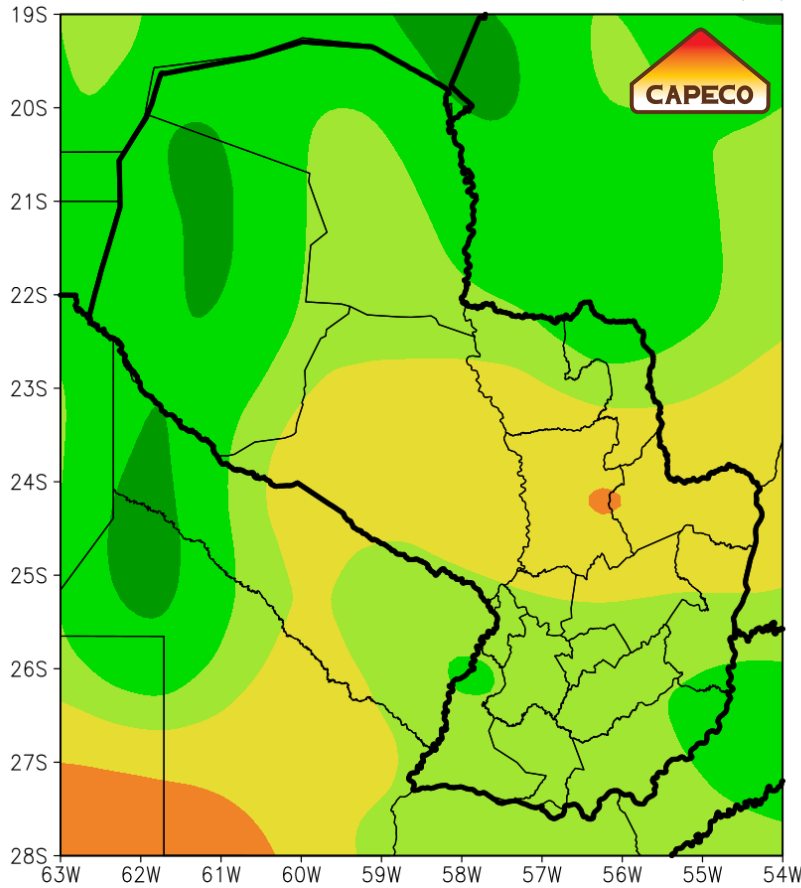




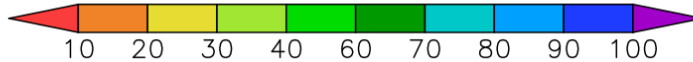
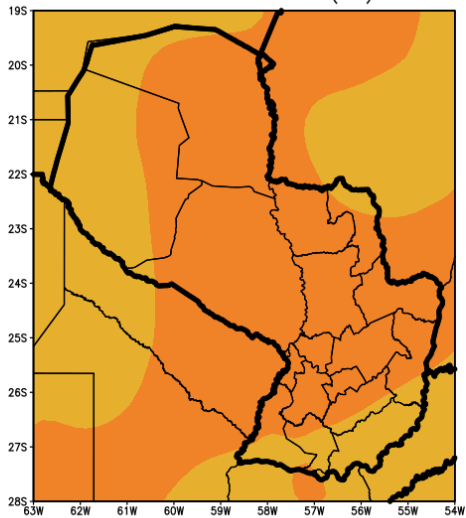
PRECIPITACION (mm)



PRONOSTICO BHS AÑO 2024 MES 12 (Diciembre)
CONTENIDO DE AGUA DEL SUELO (%)

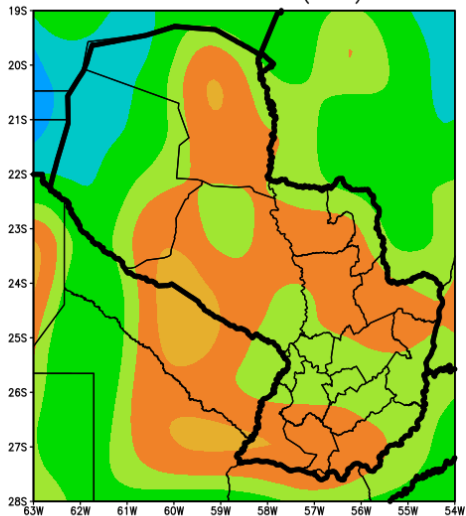


TEMPERATURA MEDIA (GC)

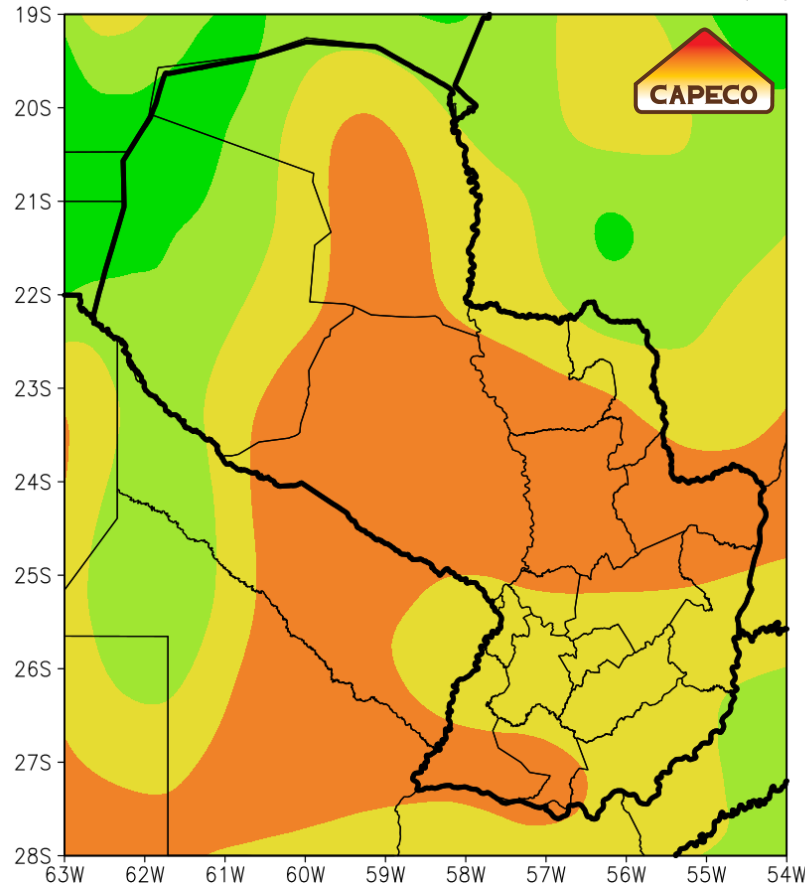




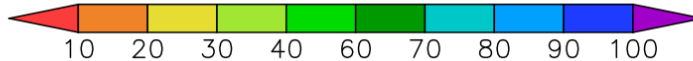
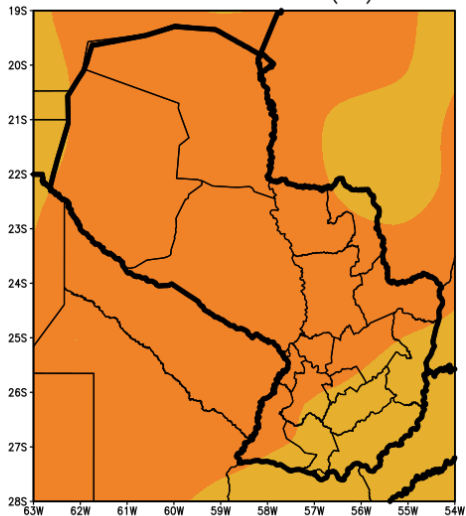
PRECIPITACION (mm)



PRONOSTICO BHS ANO 2025 MES 1 (Enero)
CONTENIDO DE AGUA DEL SUELO (%)



TEMPERATURA MEDIA (GC)

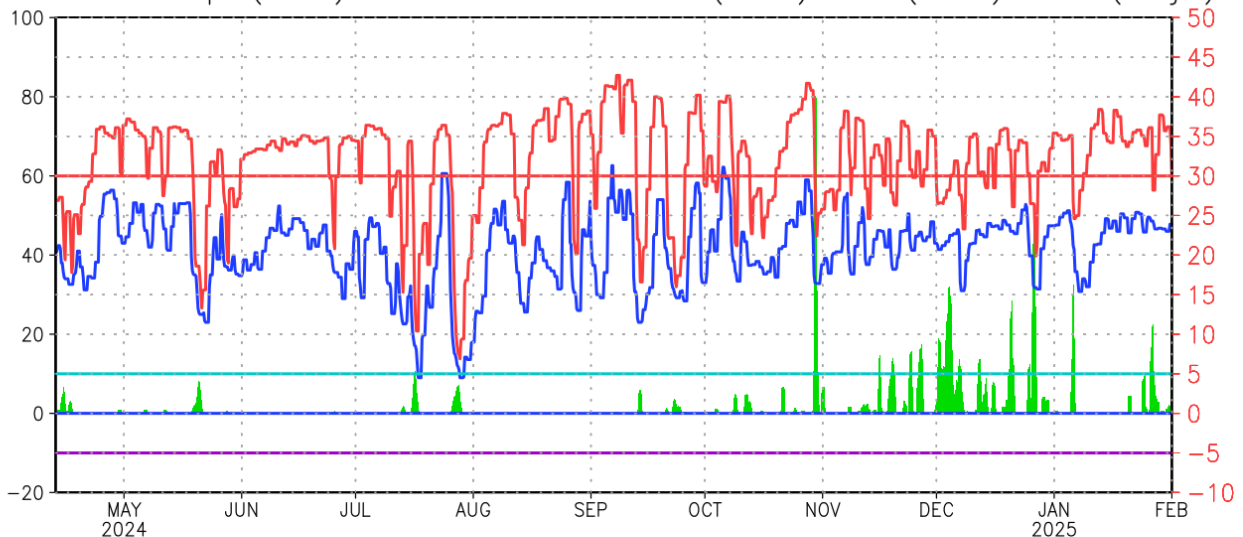


PERSPECTIVAS LOCALES

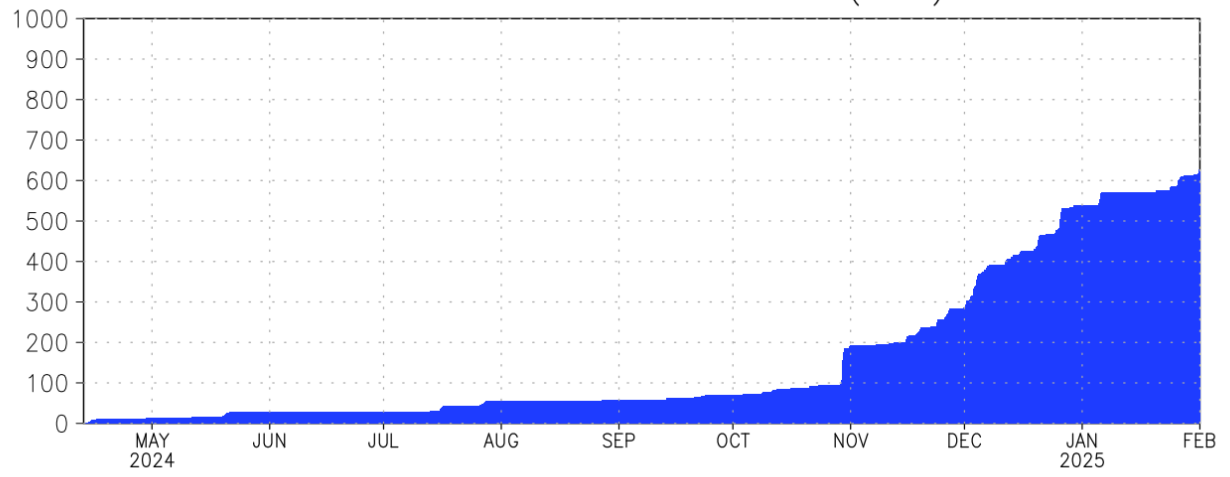




AGUA DULCE (Alto Paraguay, PY)
EJE IZQ. Pp (mm) – EJE DER. TEMP.(G.C.) Min.(Azul) Max.(Rojo)

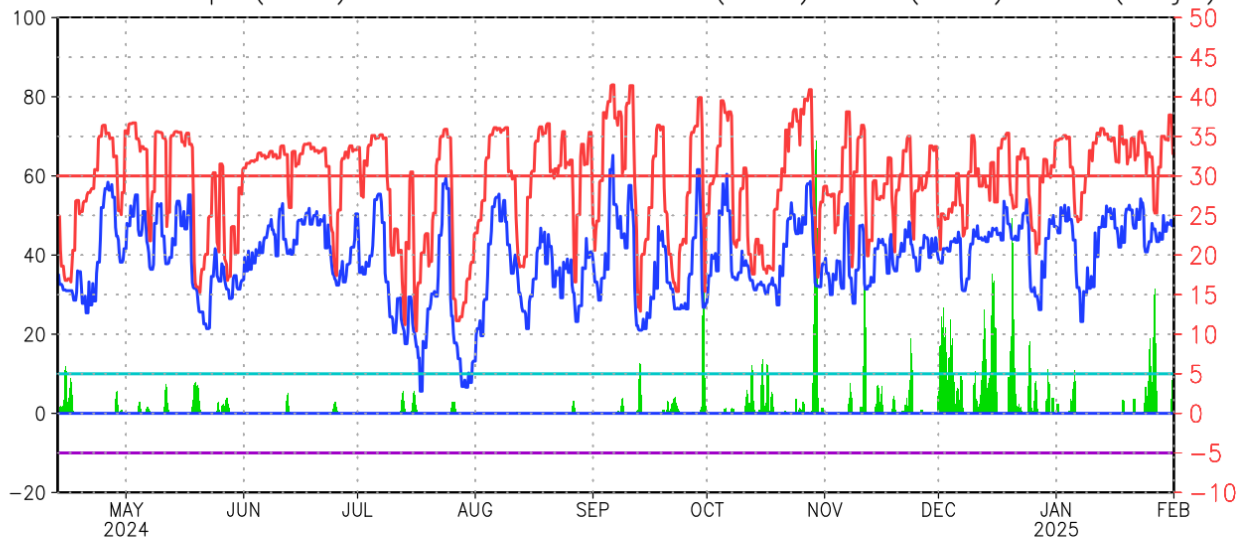


PRECIPITACION ACUMULADA (mm)

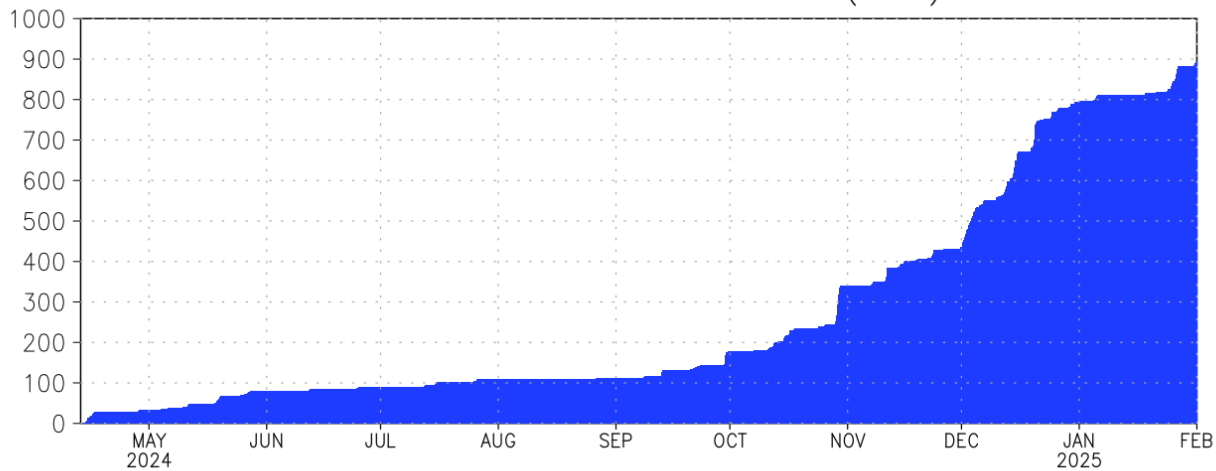


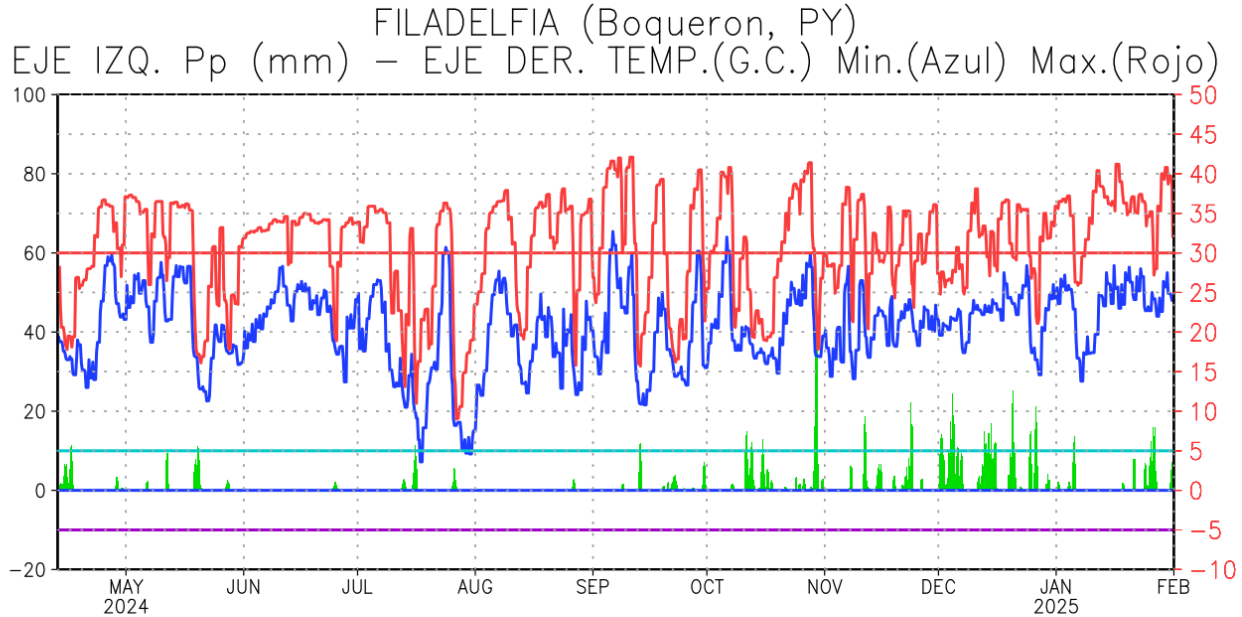


MARISCAL ESTIGARRIBIA (Boqueron, PY)
EJE IZQ. Pp (mm) – EJE DER. TEMP.(G.C.) Min.(Azul) Max.(Rojo)

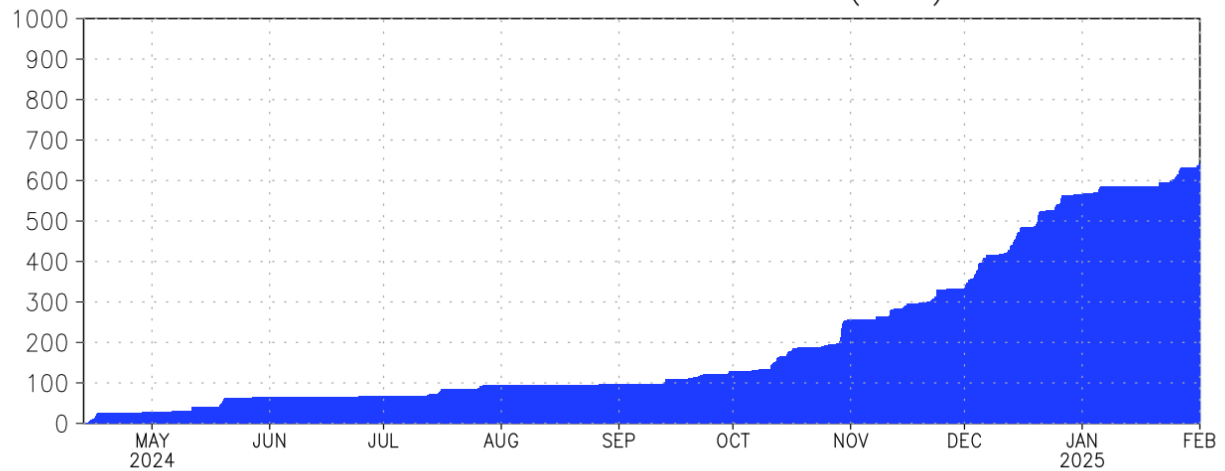


PRECIPITACION ACUMULADA (mm)



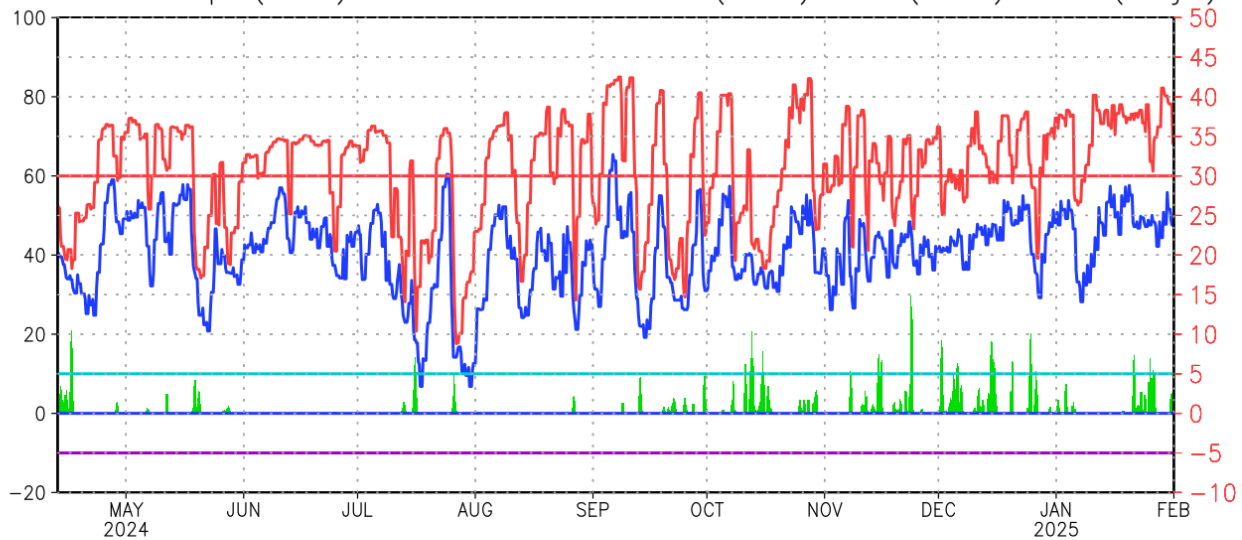


PRECIPITACION ACUMULADA (mm)

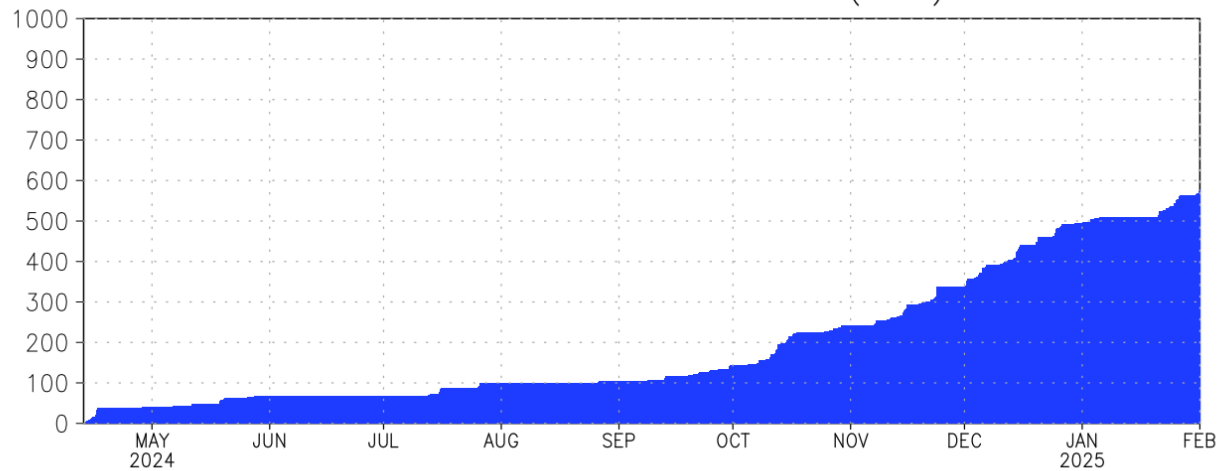


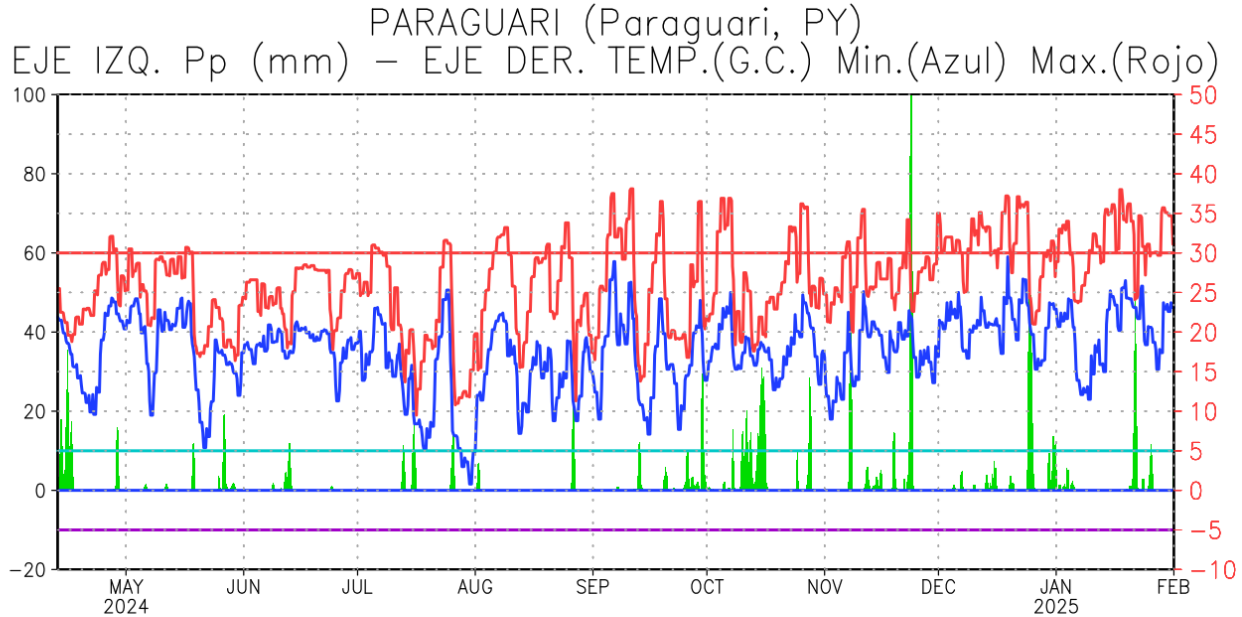


POZO COLORADO (Pte Hayes, PY)
EJE IZQ. Pp (mm) – EJE DER. TEMP.(G.C.) Min.(Azul) Max.(Rojo)

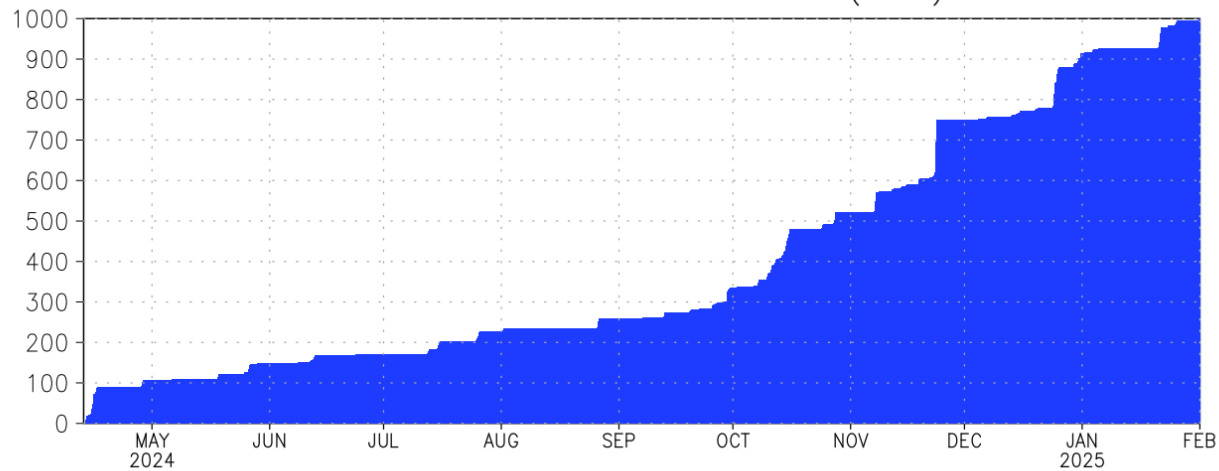


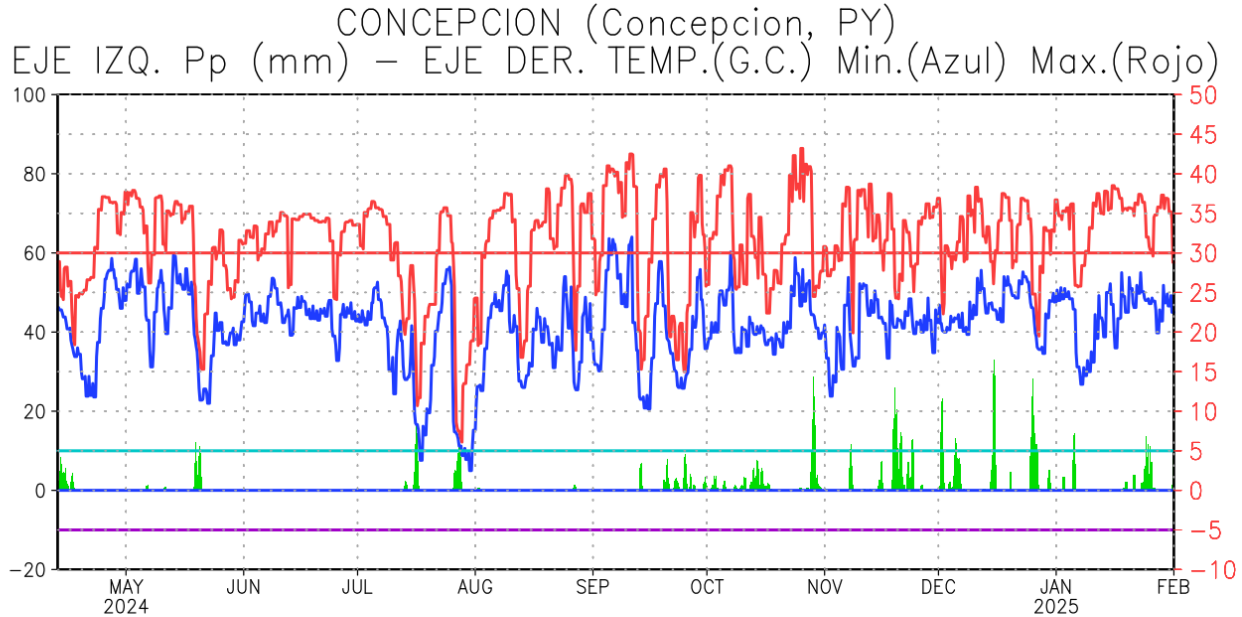
PRECIPITACION ACUMULADA (mm)



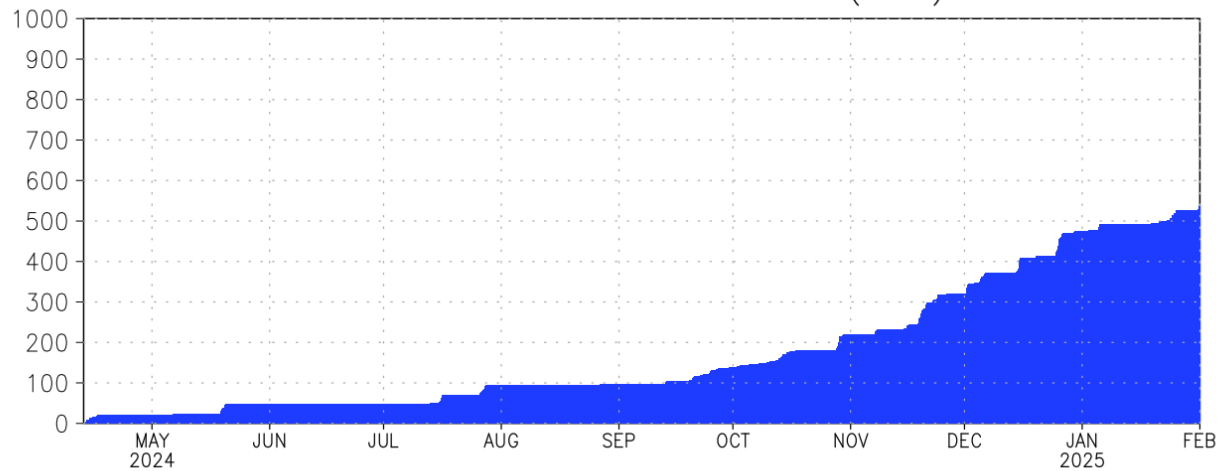


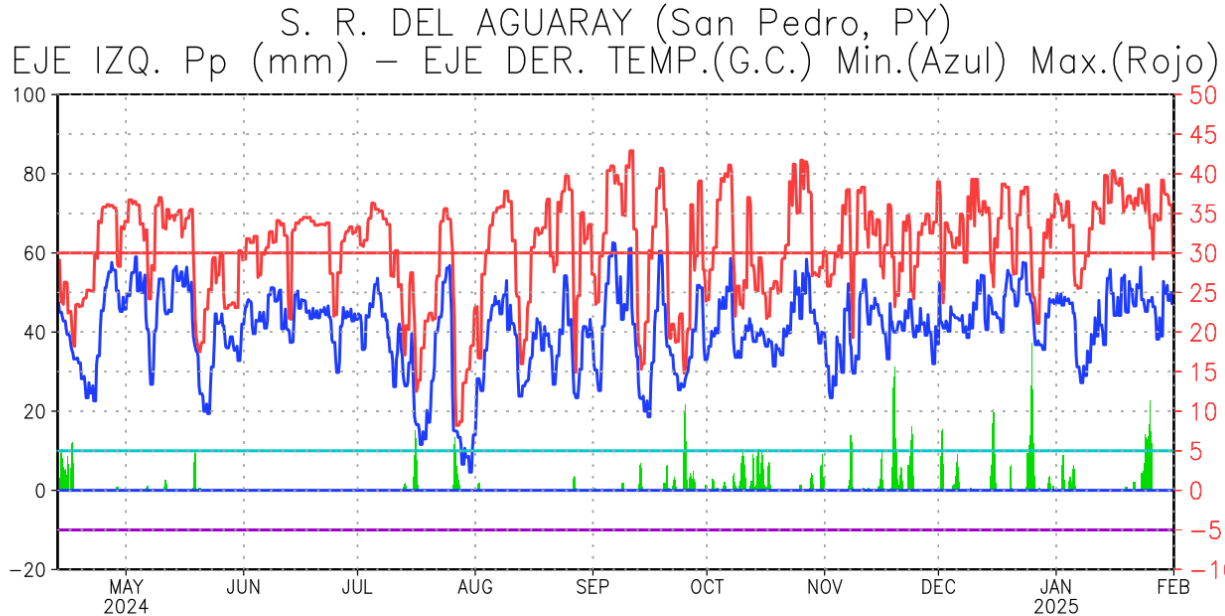
PRECIPITACION ACUMULADA (mm)



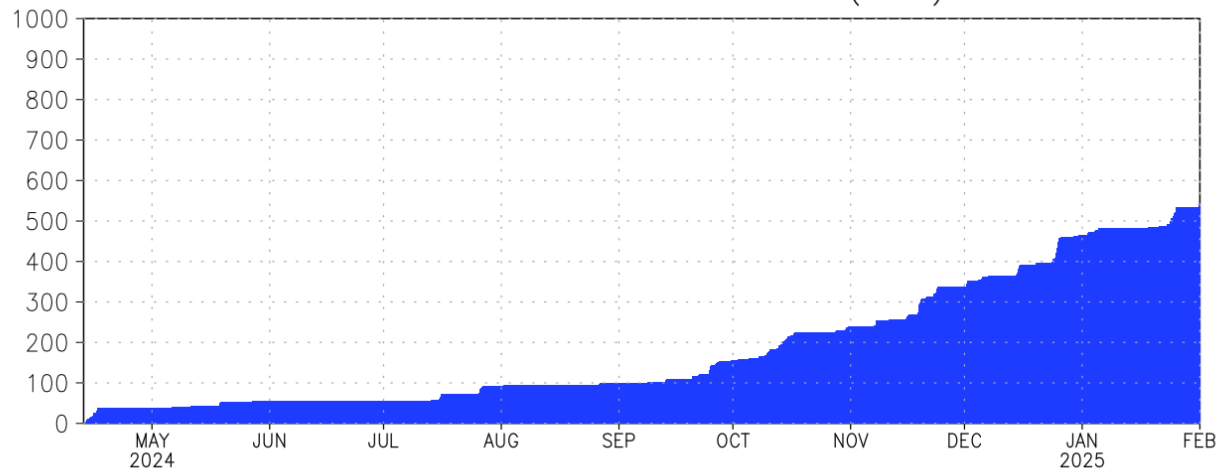


PRECIPITACION ACUMULADA (mm)





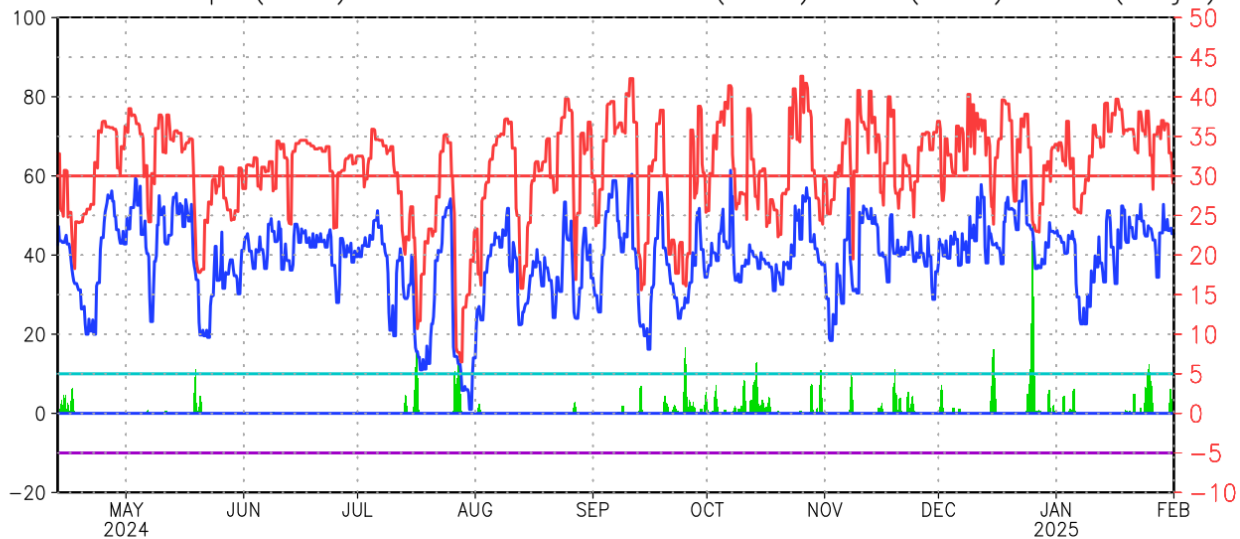
PRECIPITACION ACUMULADA (mm)



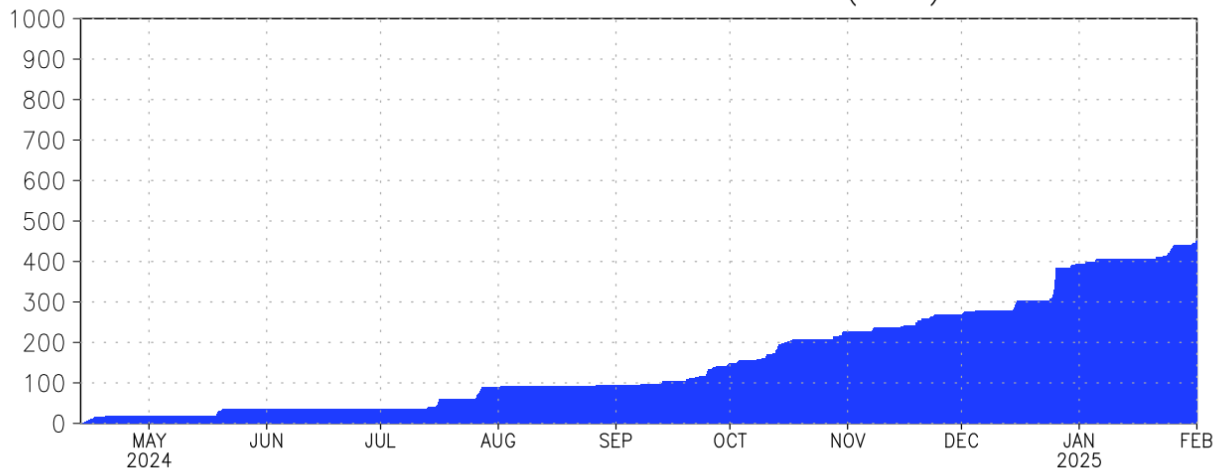


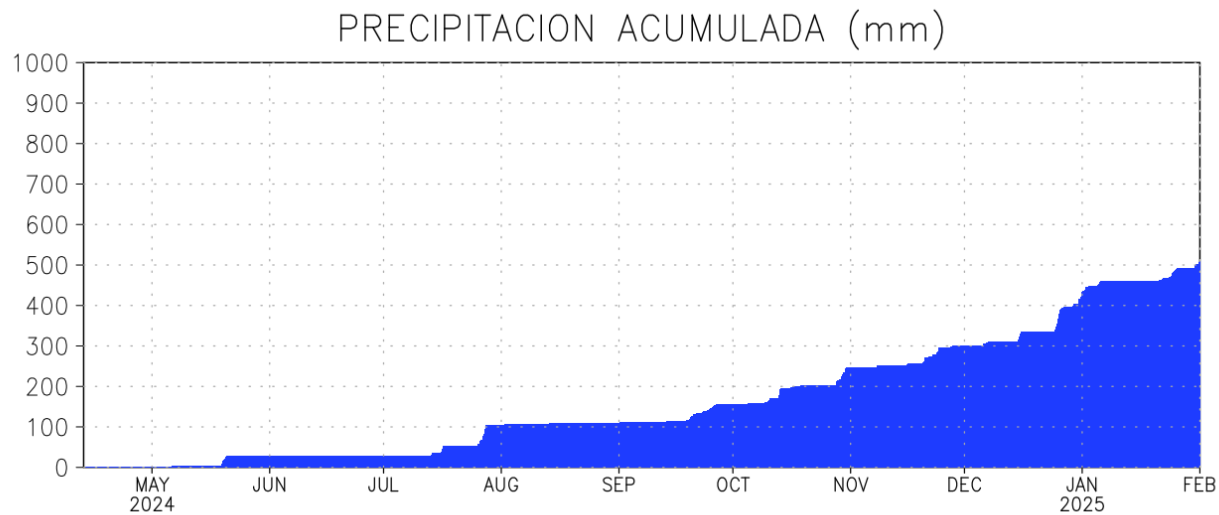
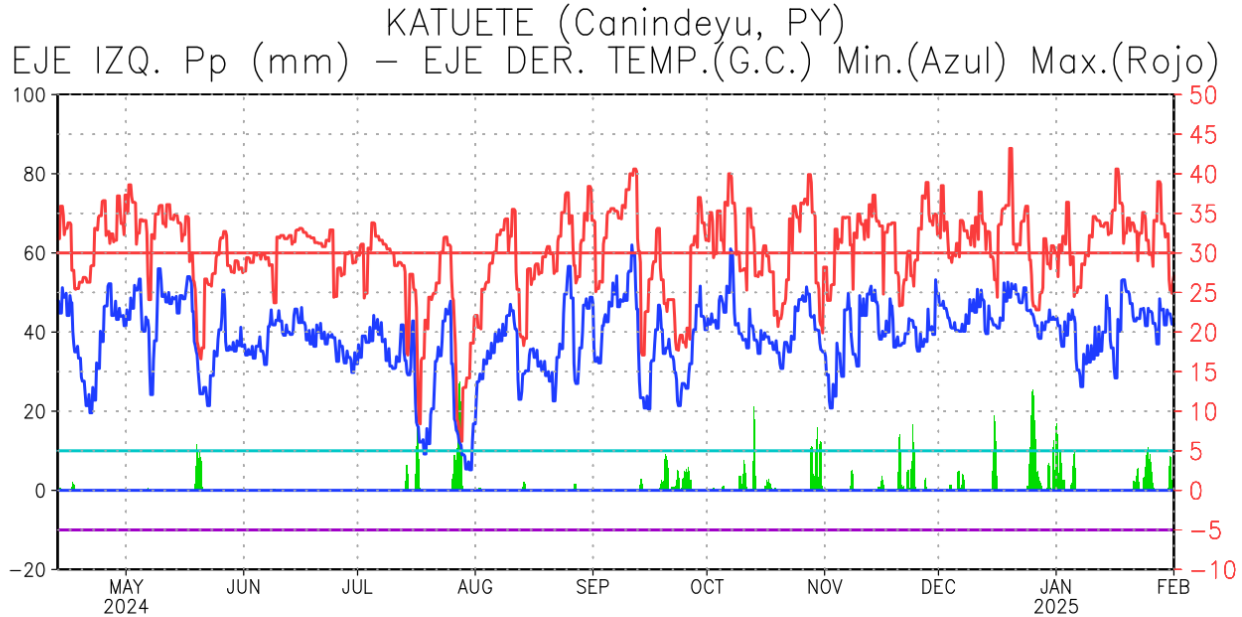
GUAYAIBI (San Pedro, PY)

EJE IZQ. Pp (mm) – EJE DER. TEMP.(G.C.) Min.(Azul) Max.(Rojo)



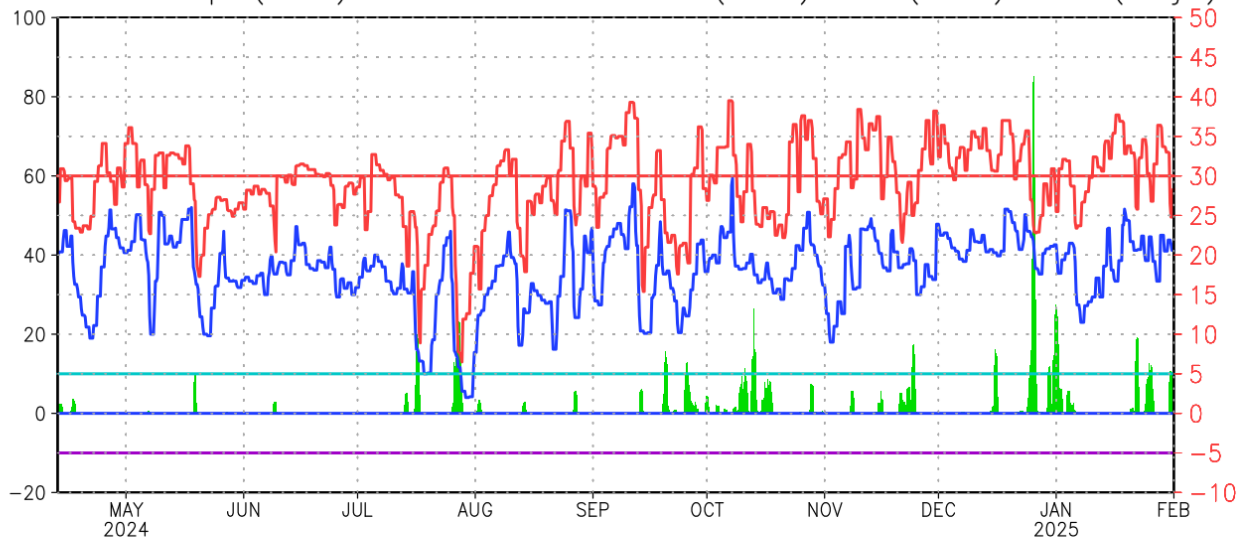
PRECIPITACION ACUMULADA (mm)



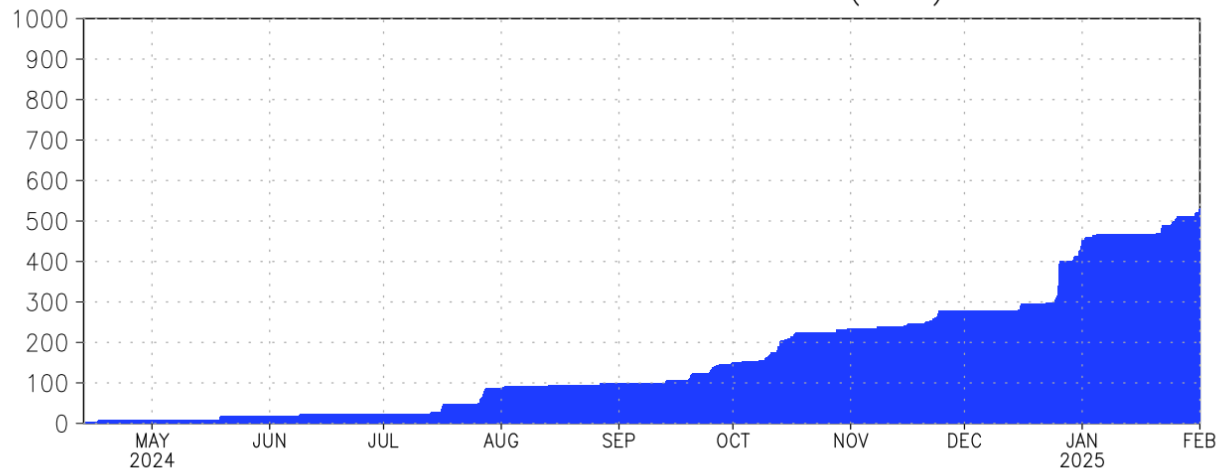




CIUDAD DEL ESTE (Alto Parana, PY)
EJE IZQ. Pp (mm) – EJE DER. TEMP.(G.C.) Min.(Azul) Max.(Rojo)

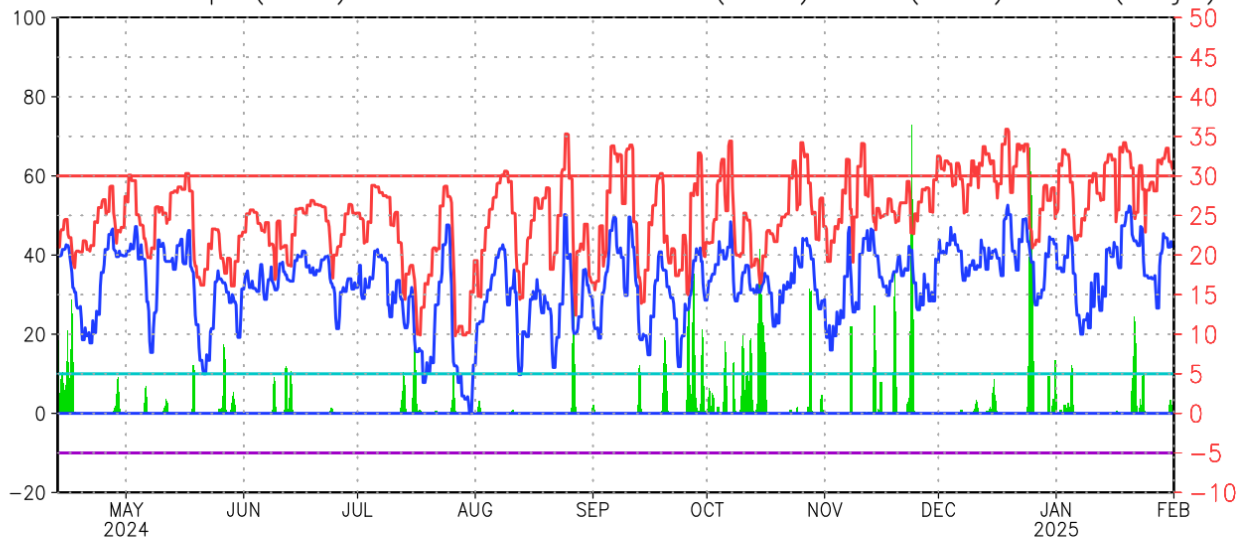


PRECIPITACION ACUMULADA (mm)

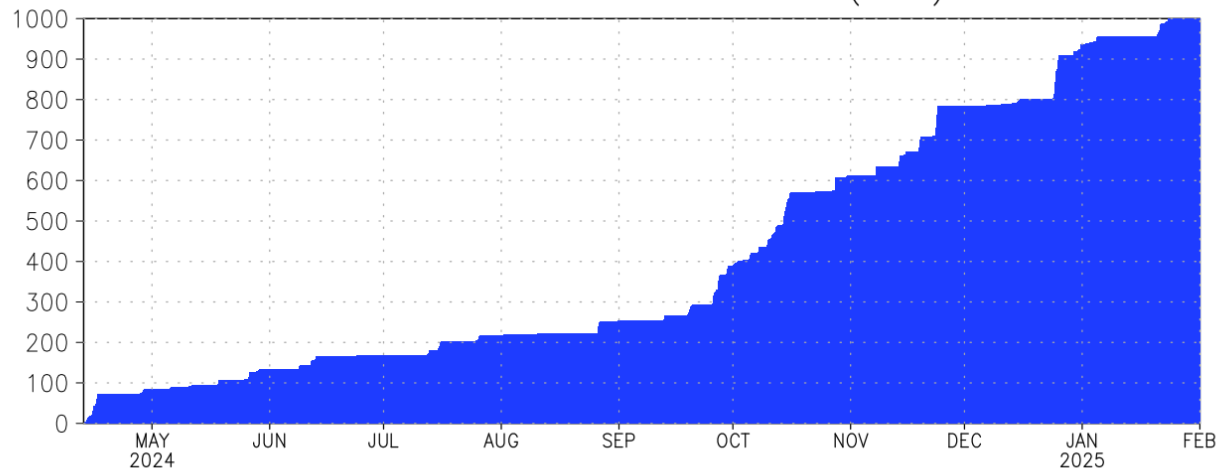




OBLIGADO (Itapúa, PY)
EJE IZQ. Pp (mm) – EJE DER. TEMP.(G.C.) Min.(Azul) Max.(Rojo)



PRECIPITACION ACUMULADA (mm)





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