

Segundo Taller de Entrenamiento de la OMM RCC-Washington

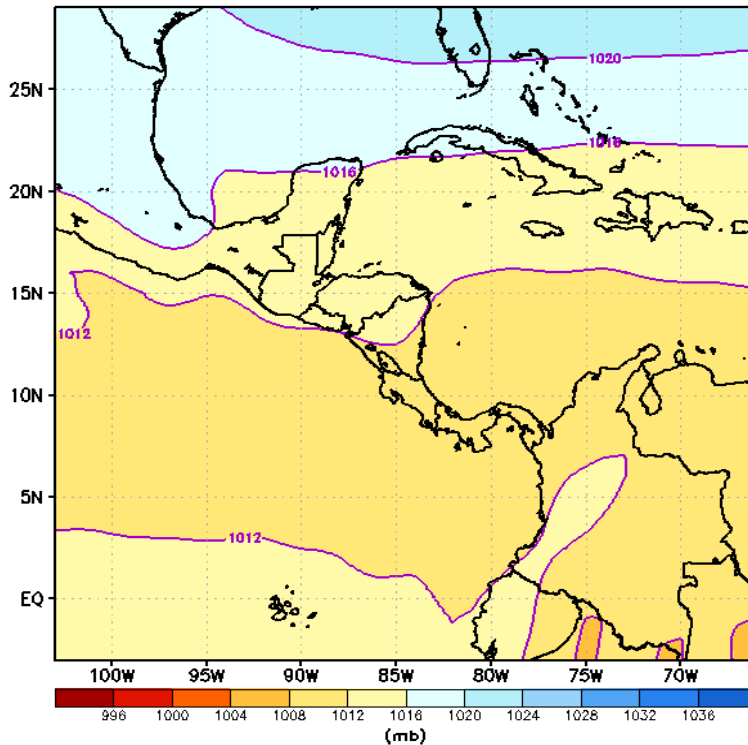
**Tiempo real de los pronósticos
extremos para la semana 2
de temperatura**

8 – 10 noviembre 2021

Presión Media al Nivel del Mar

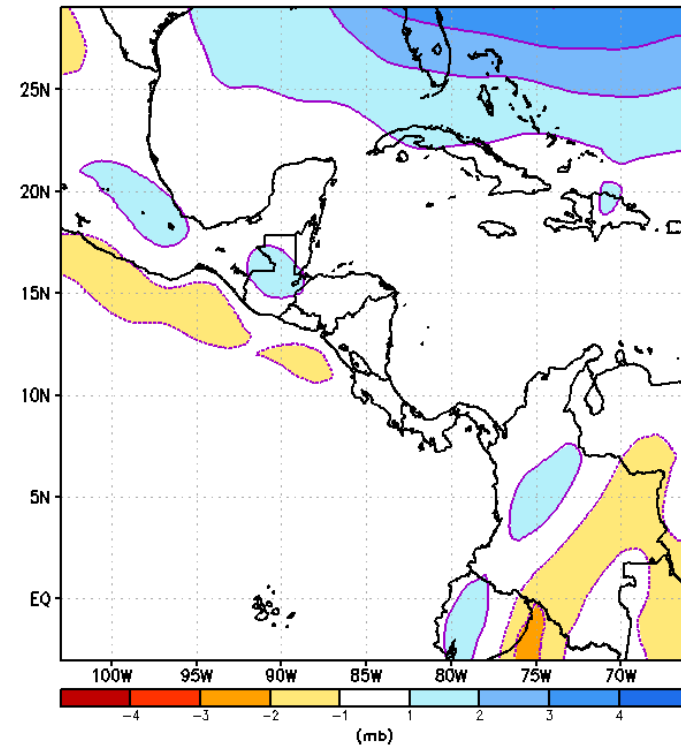
Total

GEFS Week-2 Mean Sea Level Pressure Total
Valid: 20211117 - 20211123



Anomalía

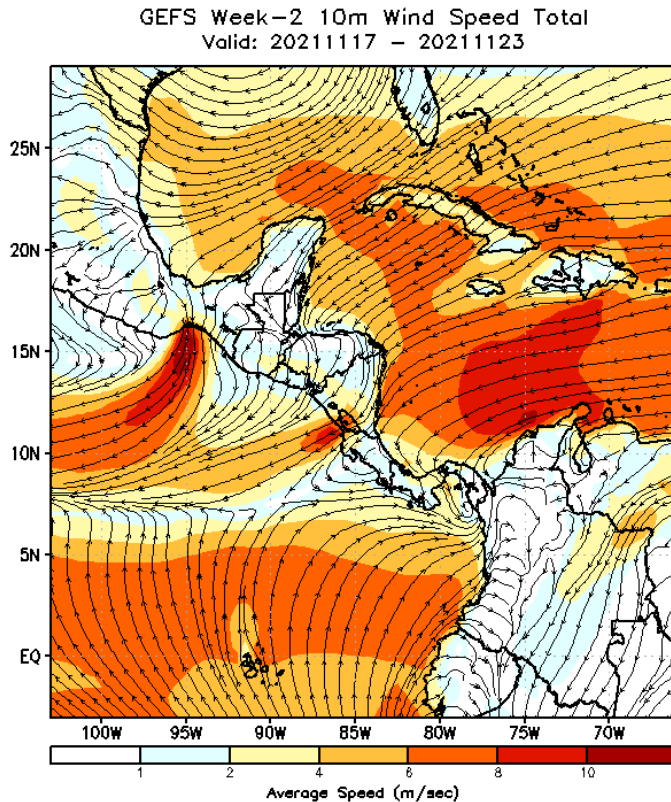
GEFS Week-2 Mean Sea Level Pressure Anomaly
Valid: 20211117 - 20211123



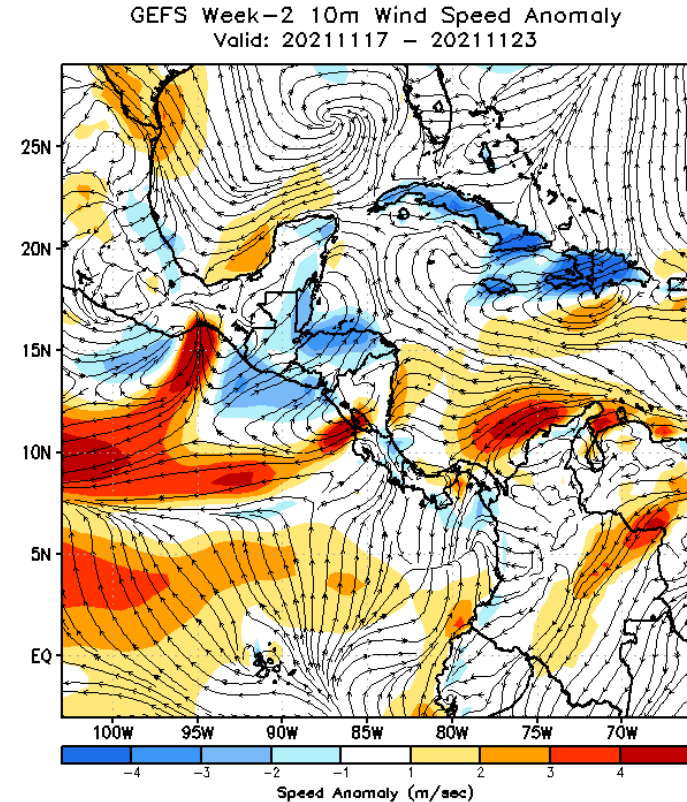
Valores normales de PNM en CA excepto por Guatemala

Vientos a 10 m de Altura

Total



Anomalía

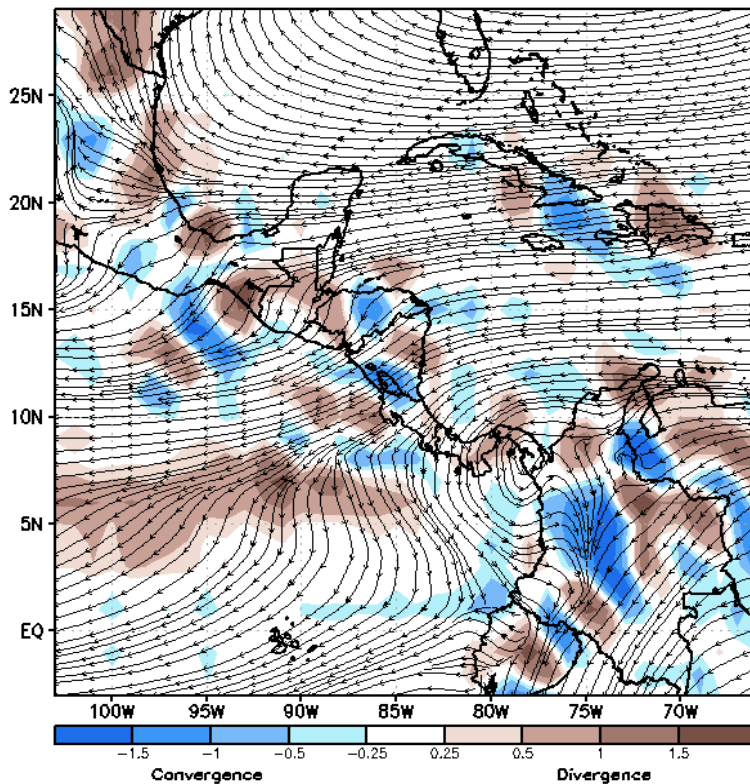


Se observa la ZCIT desorganizada en el Pacífico costarricense, además de El jet de Caribe activo. Anomalía variable en la región.

Vientos a 850 hPa

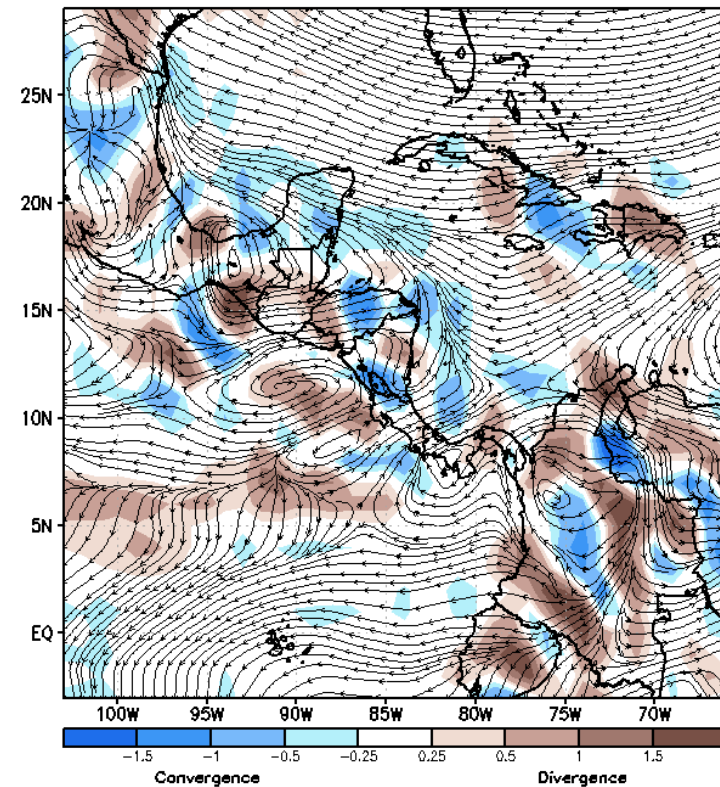
Total

GEFS Week-2 850-hPa Divergence and Wind Total
Valid: 20211117 - 20211123



Anomalía

GEFS Week-2 850-hPa Divergence and Wind Anomaly
Valid: 20211117 - 20211123

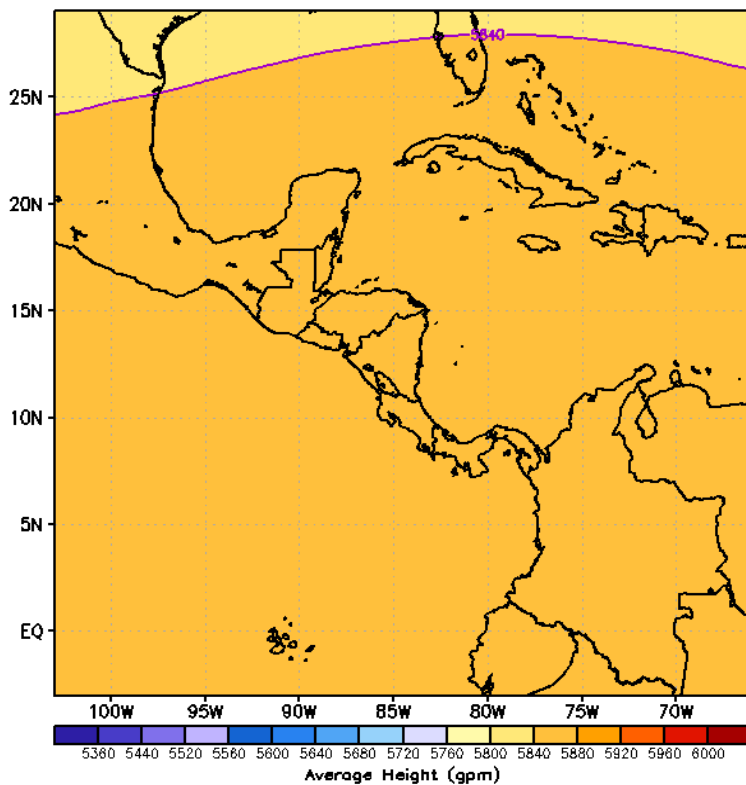


Zonas de convergencia en la frontera CR/NIC y sobre HON. Divergencia
En parte de Honduras, Guatemala y Panamá. Poca conv sobre Caribe

Altura Geopotencial a 500 hPa

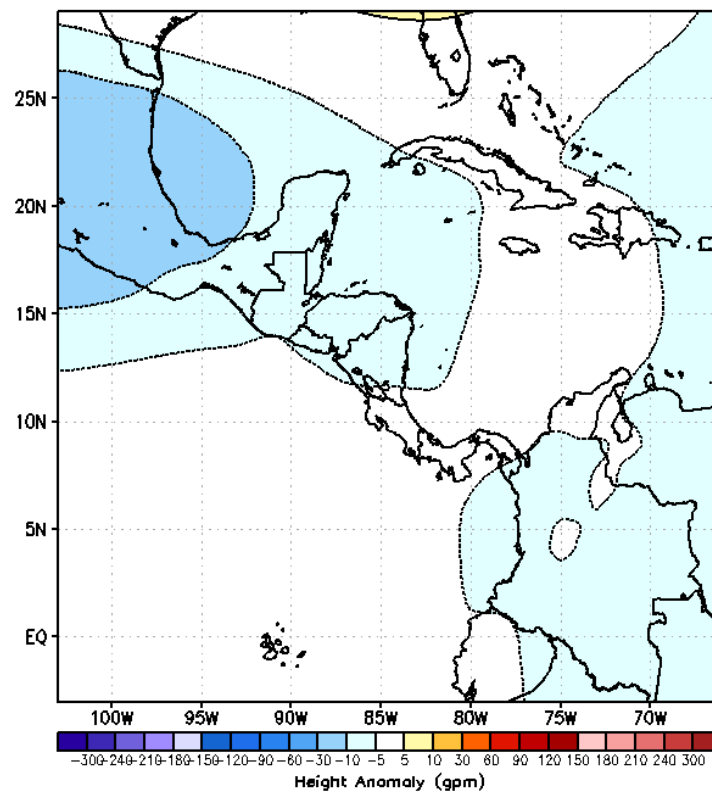
Total

GEFS Week-2 500-hPa Geo-Potential Height Total
Valid: 20211117 - 20211123



Anomalía

GEFS Week-2 500-hPa Geo-Potential Height Anomaly
Valid: 20211117 - 20211123

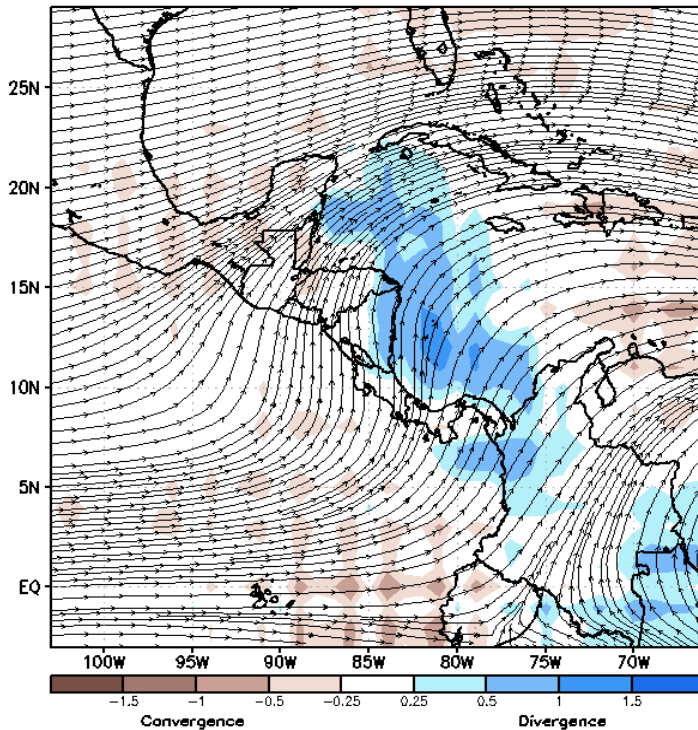


Valores ligeramente por debajo de lo normal al centro-norte de CA.

Vientos a 200 hPa

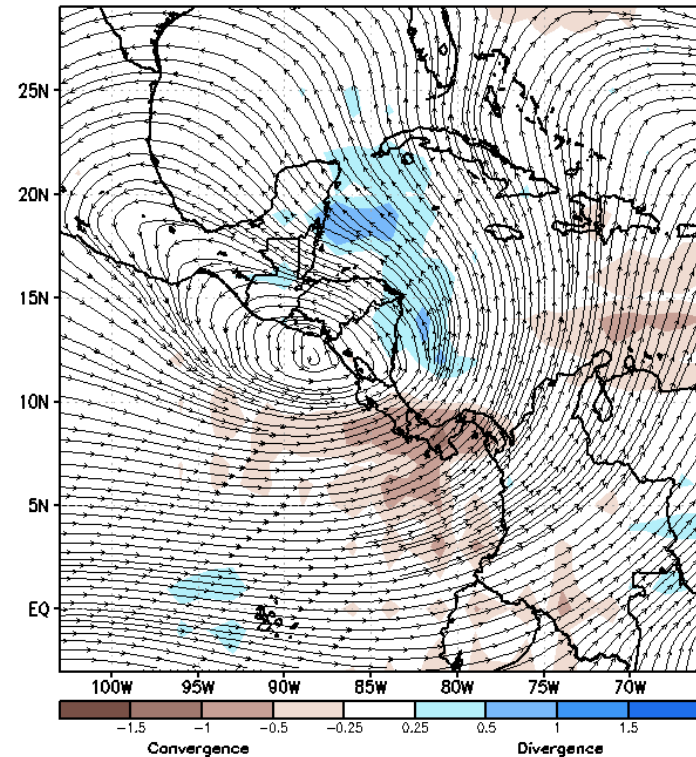
Total

GEFS Week-2 200-hPa Divergence and Wind Total
Valid: 20211117 - 20211123



Anomalía

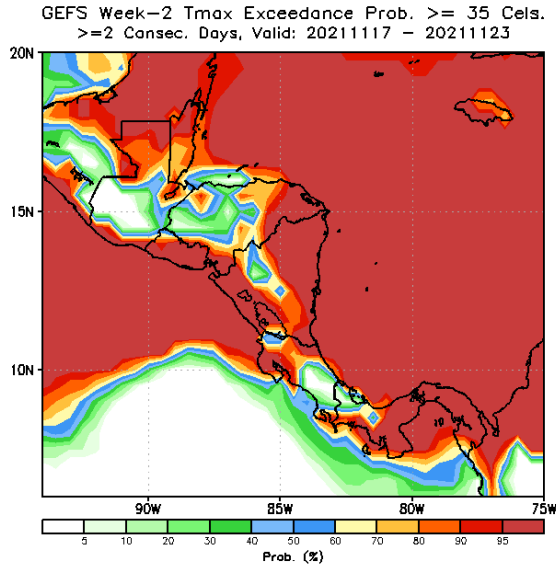
GEFS Week-2 200-hPa Divergence and Wind Anomaly
Valid: 20211117 - 20211123



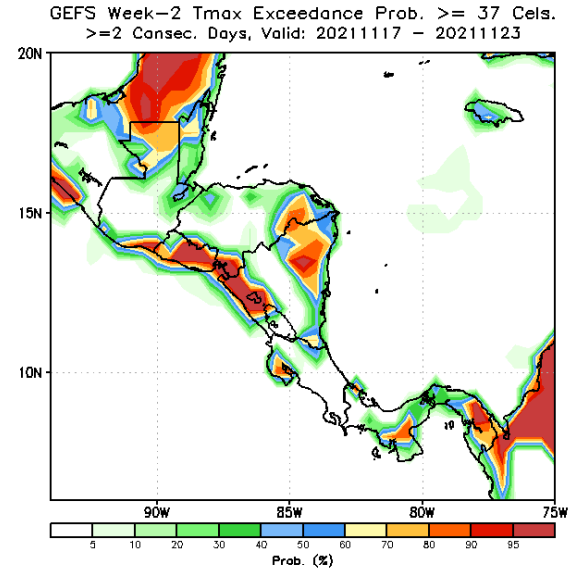
Fuerte zona de divergencia sobre el Mar Caribe. Valores por debajo de lo normal
Al sur de Costa Rica y sobre Panamá

Tmax: Pronósticos de Probabilidad de Excedencia para al menos 2 Días Consecutivos

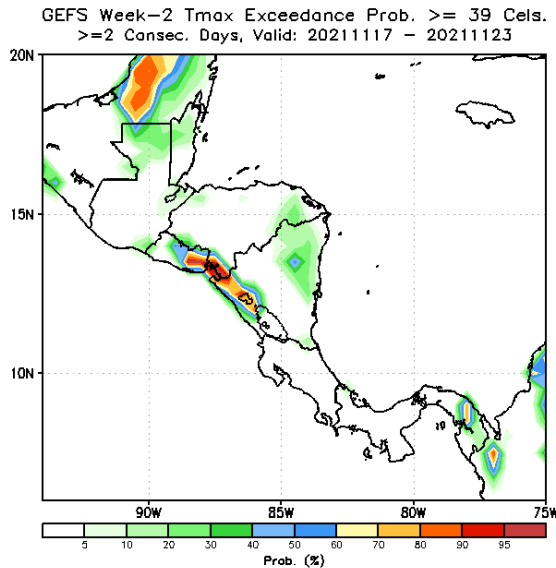
$\geq 35^{\circ}\text{C}$



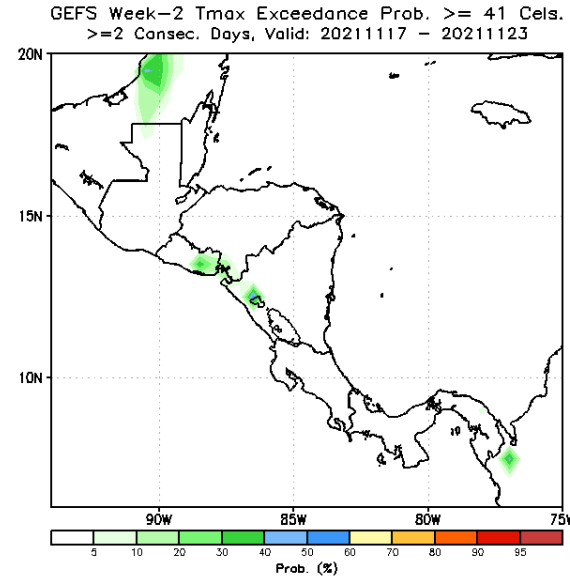
$\geq 37^{\circ}\text{C}$



$\geq 39^{\circ}\text{C}$

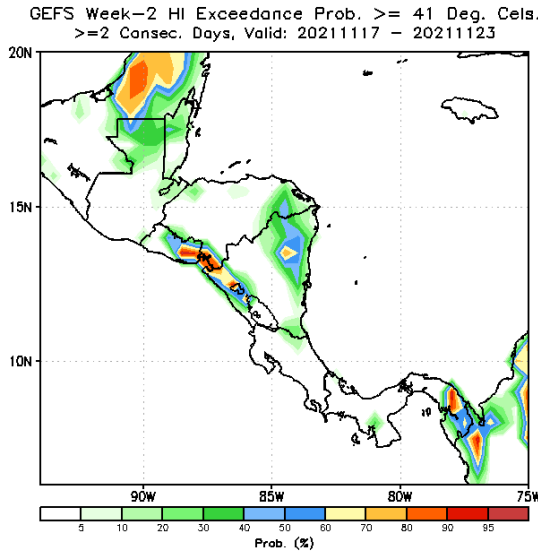


$\geq 41^{\circ}\text{C}$

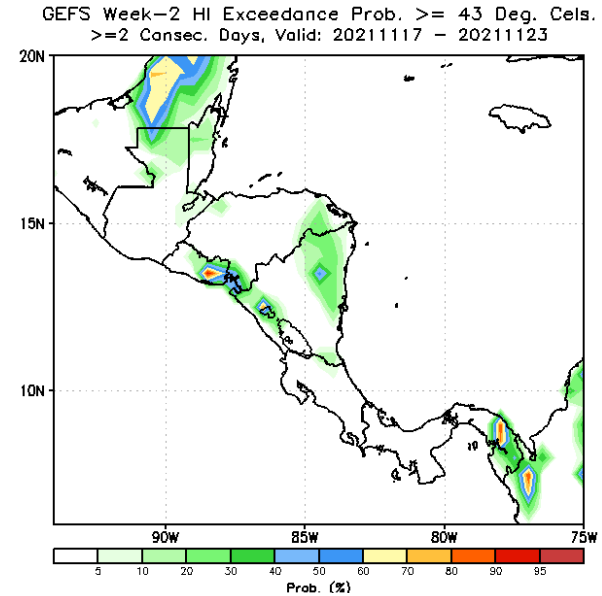


HI: Pronósticos de Probabilidad de Excedencia para al menos 2 Días Consecutivos

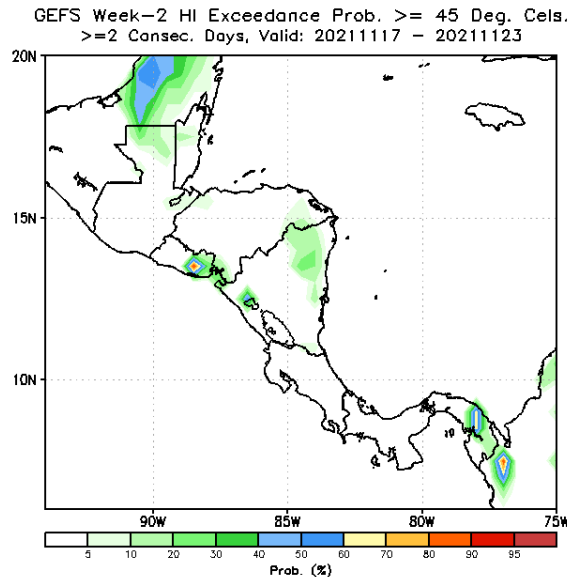
$\geq 41^{\circ}\text{C}$



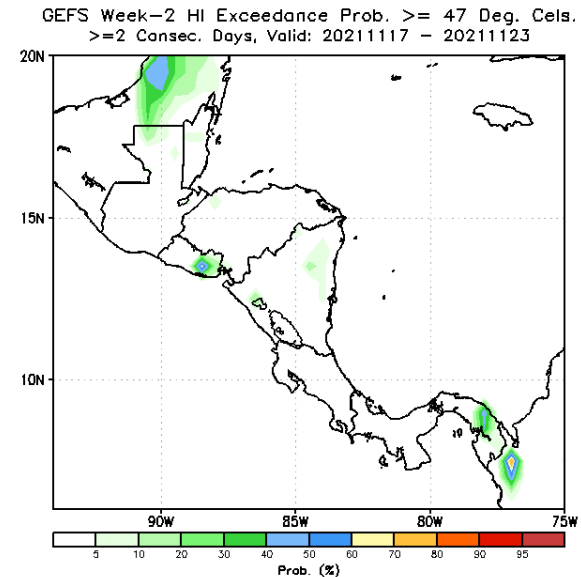
$\geq 43^{\circ}\text{C}$



$\geq 45^{\circ}\text{C}$

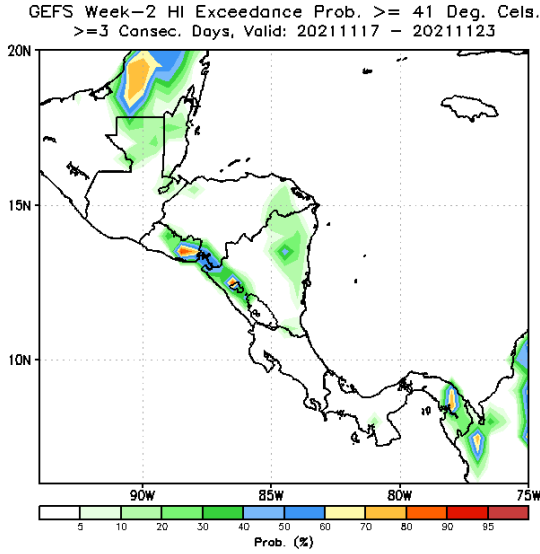


$\geq 47^{\circ}\text{C}$

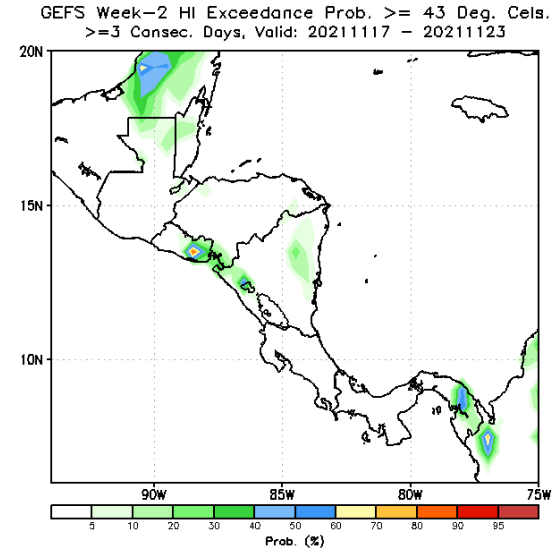


HI: Pronósticos de Probabilidad de Excedencia para al menos 3 Días Consecutivos

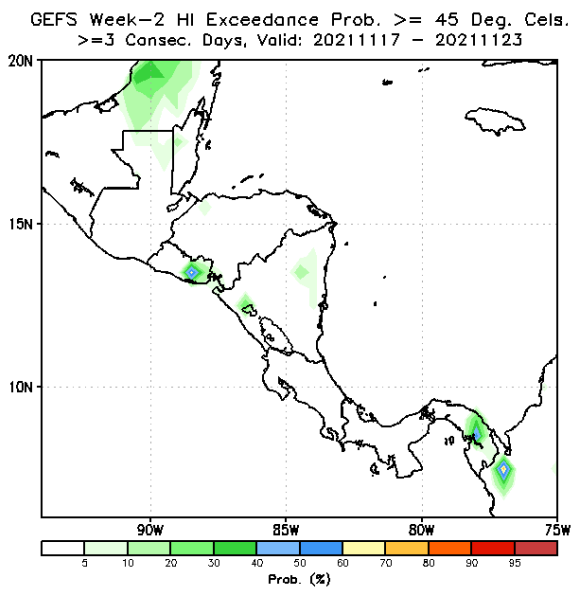
$\geq 41^{\circ}\text{C}$



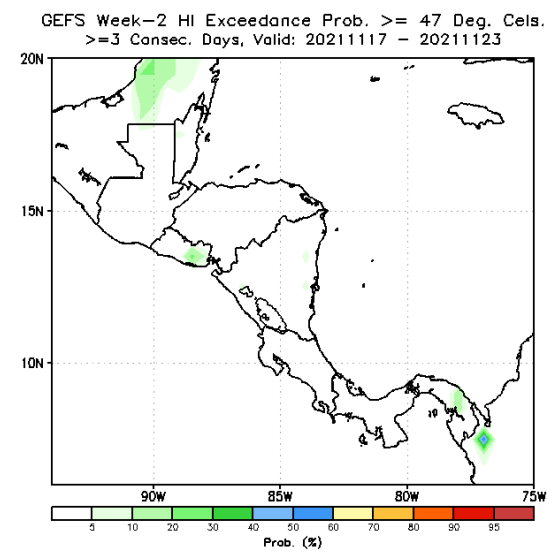
$\geq 43^{\circ}\text{C}$



$\geq 45^{\circ}\text{C}$



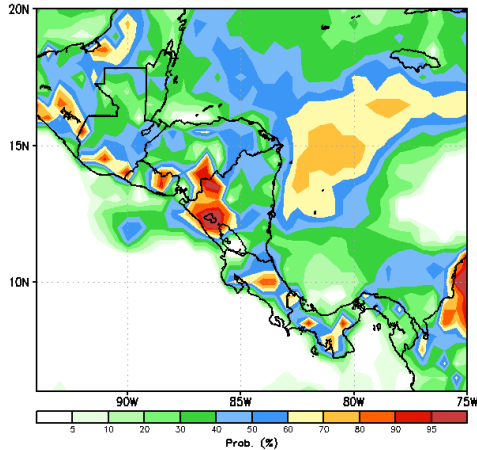
$\geq 47^{\circ}\text{C}$



Tmax: Pronósticos de Probabilidad de Excedencia con respecto a los umbrales fijos para al menos 2 Días Consecutivos

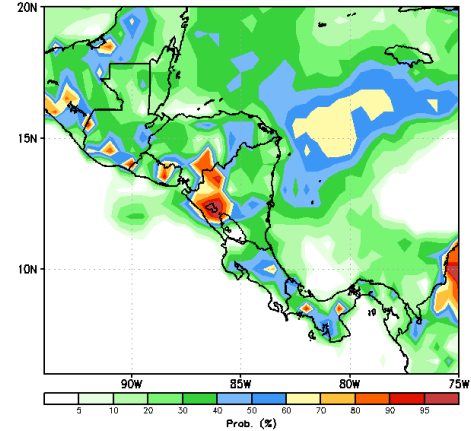
≥ 80^{avo} percentile

GEFS Week-2 Tmax Exceedance Prob. ≥ 80th Pctl.
>=2 Consec. Days, Valid: 20211117 - 20211123



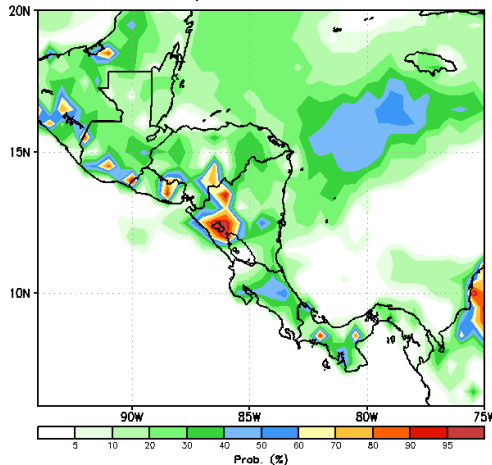
≥ 85^{avo} percentile

GEFS Week-2 Tmax Exceedance Prob. ≥ 85th Pctl.
>=2 Consec. Days, Valid: 20211117 - 20211123



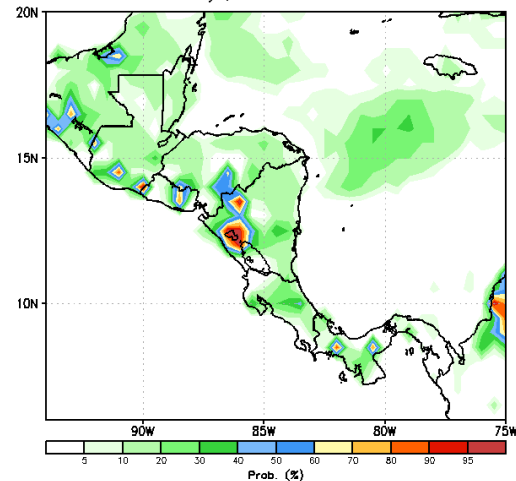
≥ 90^{avo} percentile

GEFS Week-2 Tmax Exceedance Prob. ≥ 90th Pctl.
>=2 Consec. Days, Valid: 20211117 - 20211123



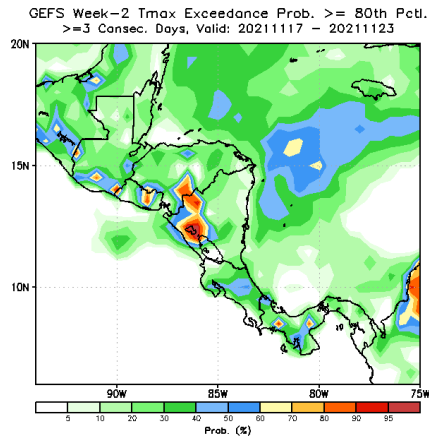
≥ 95^{avo} percentile

GEFS Week-2 Tmax Exceedance Prob. ≥ 95th Pctl.
>=2 Consec. Days, Valid: 20211117 - 20211123

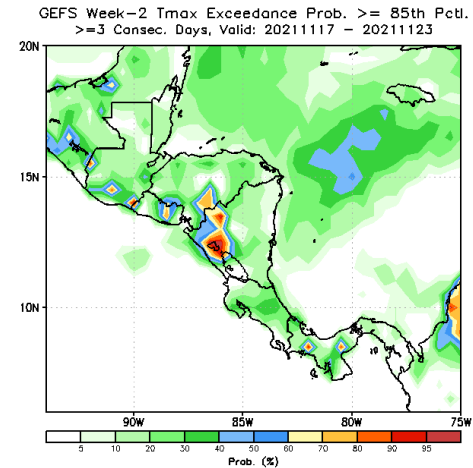


Tmax: Pronósticos de Probabilidad de Excedencia con respecto a los umbrales fijos para al menos 3 Días Consecutivos

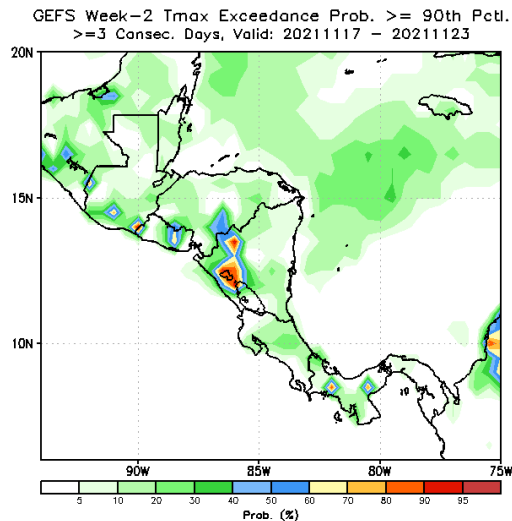
$\geq 80^{\text{avo}}$ percentile



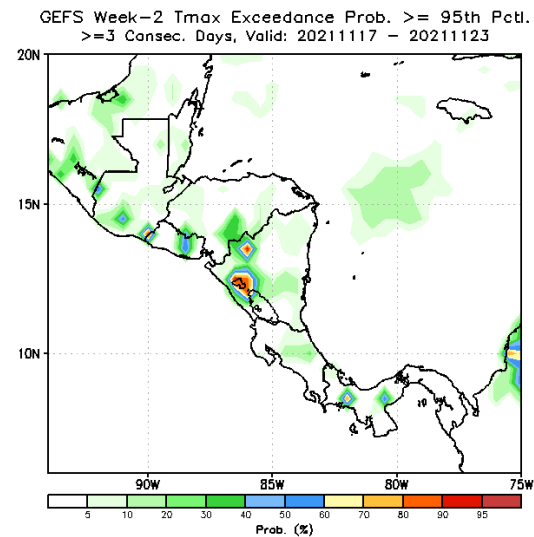
$\geq 85^{\text{avo}}$ percentile



$\geq 90^{\text{avo}}$ percentile

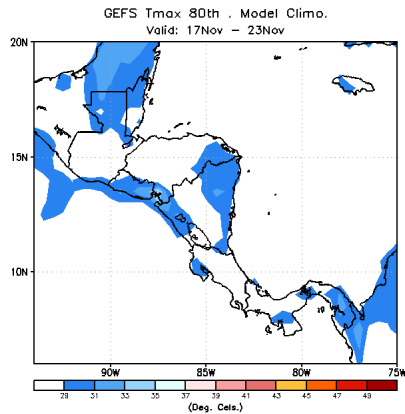


$\geq 95^{\text{avo}}$ percentile

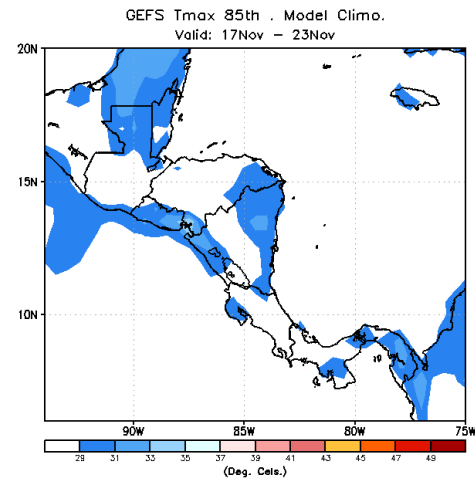


Tmax: Percentiles Climatológicos

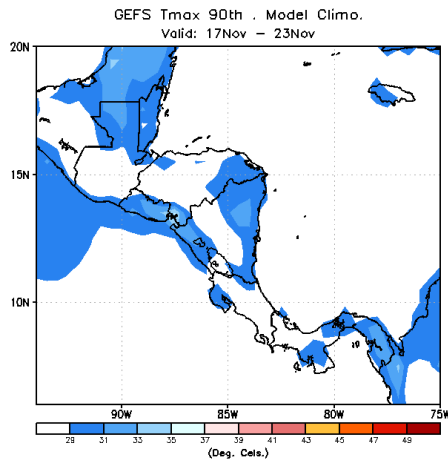
80^{avo} percentile



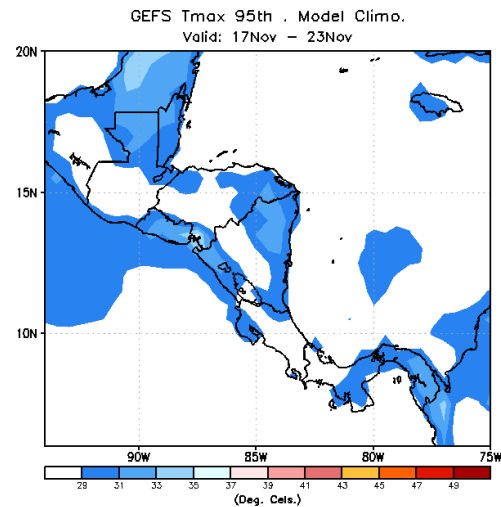
85^{avo} percentile



90^{avo} percentile

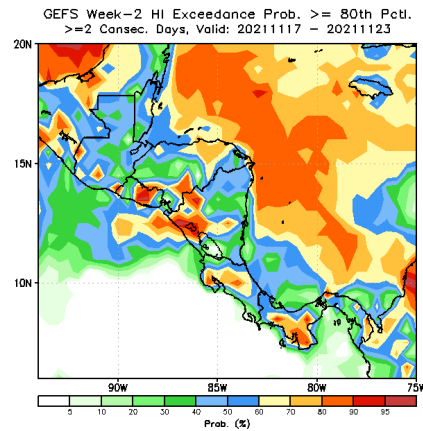


95^{avo} percentile

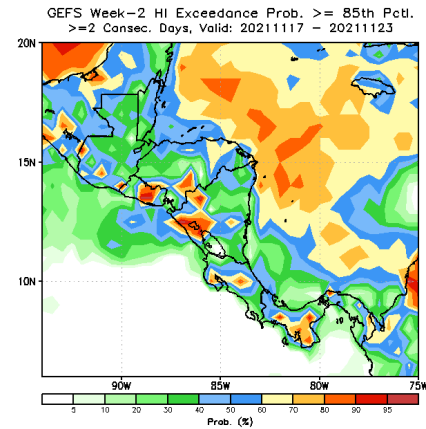


HI: Pronósticos de Probabilidad de Excedencia con respecto al Percentil para al menos 2 Días Consecutivos

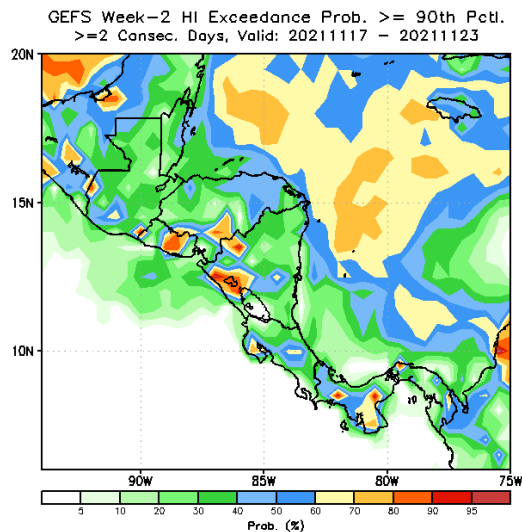
$\geq 80^{\text{avo}}$ percentile



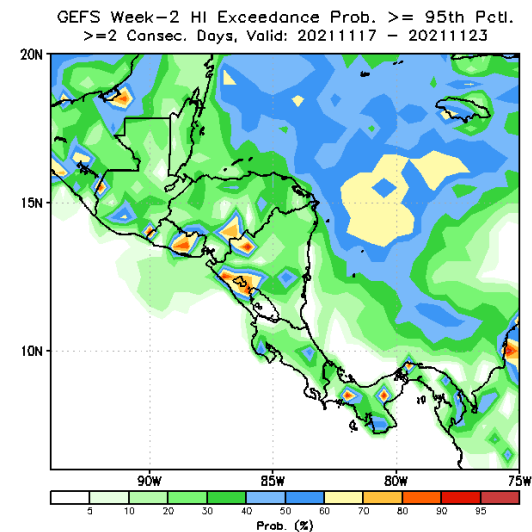
$\geq 85^{\text{avo}}$ percentile



$\geq 90^{\text{avo}}$ percentile

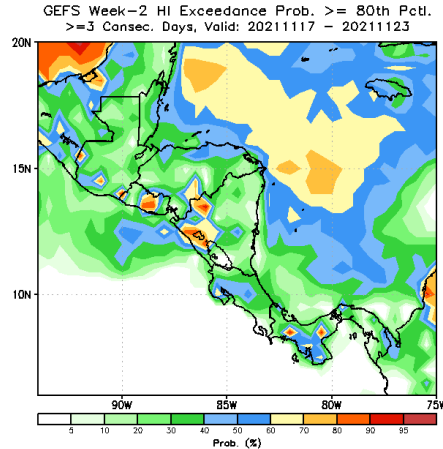


$\geq 95^{\text{avo}}$ percentile

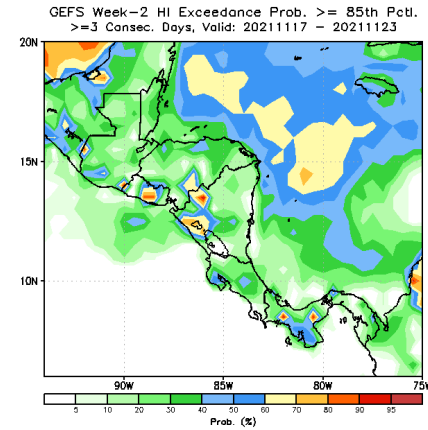


HI: Pronósticos de Probabilidad de Excedencia con respecto al Percentil para al menos 3 Días Consecutivos

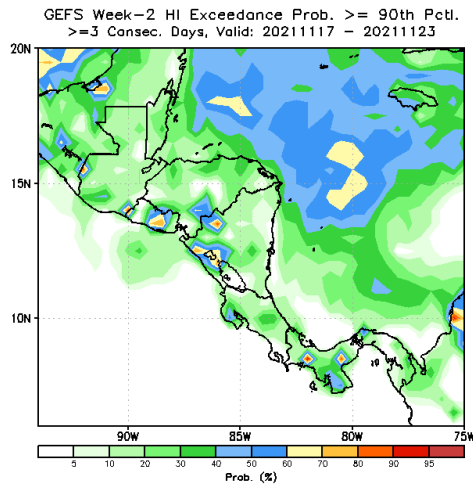
$\geq 80^{\text{avo}}$ percentile



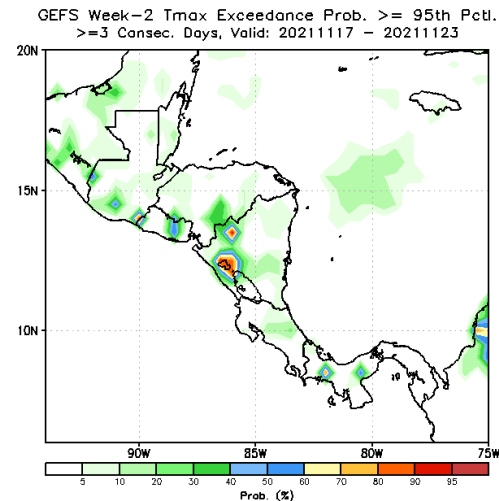
$\geq 85^{\text{avo}}$ percentile



$\geq 90^{\text{avo}}$ percentile

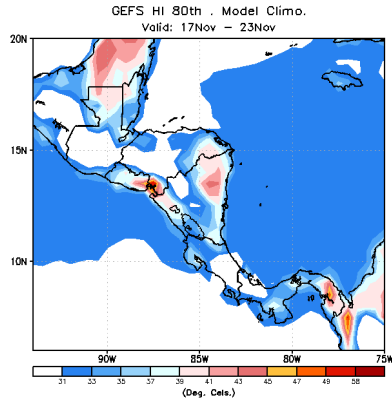


$\geq 95^{\text{avo}}$ percentile

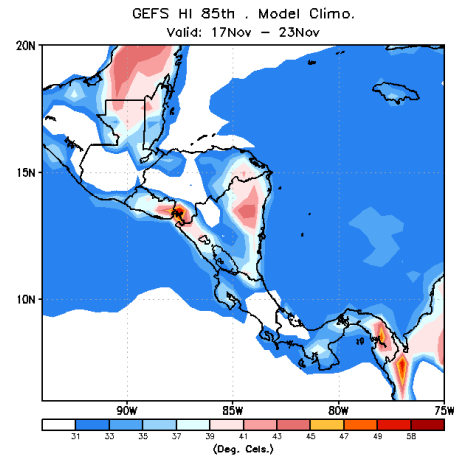


HI: Percentiles Climatológicos

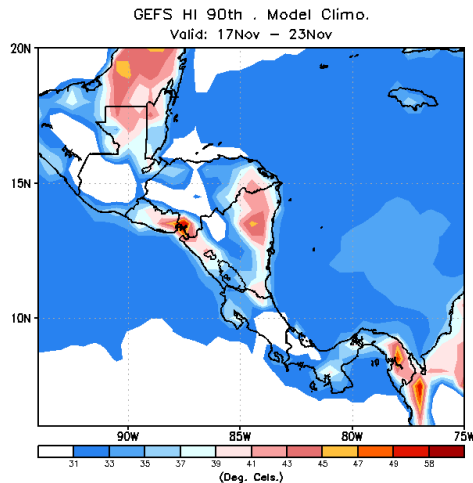
80^{avo} percentile



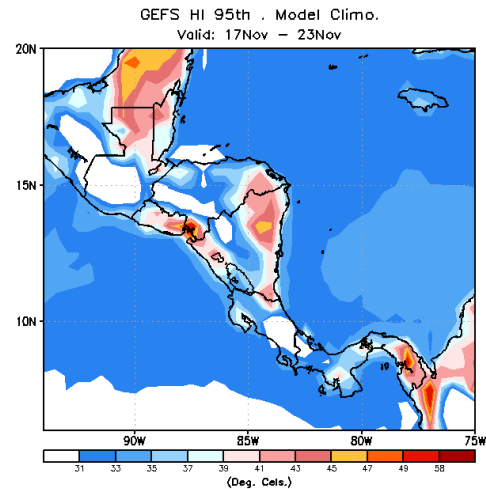
85^{avo} percentile



90^{avo} percentile

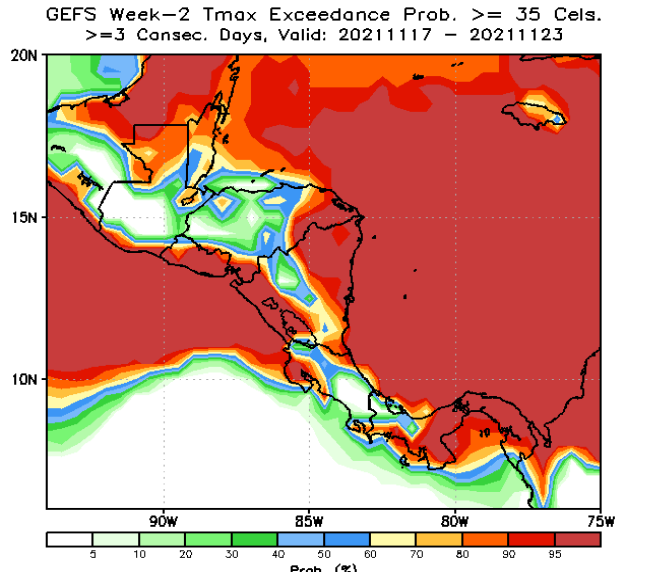


95^{avo} percentile

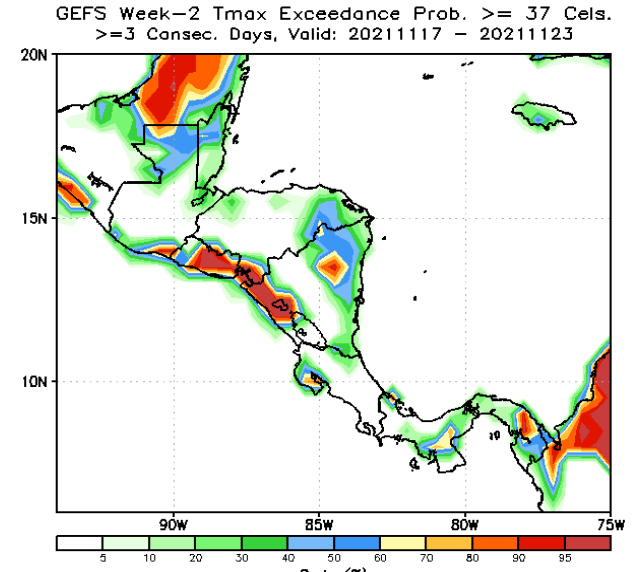


Tmax: Pronósticos de Probabilidad de Excedencia para al menos 3 Días Consecutivos

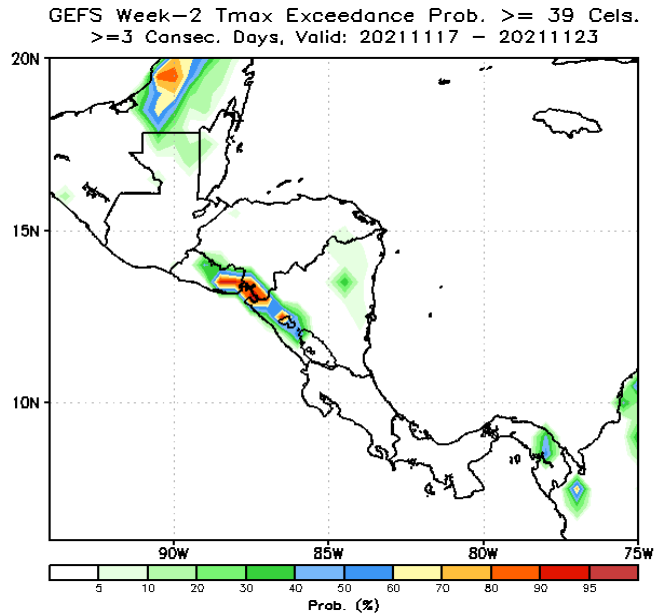
≥ 35°C



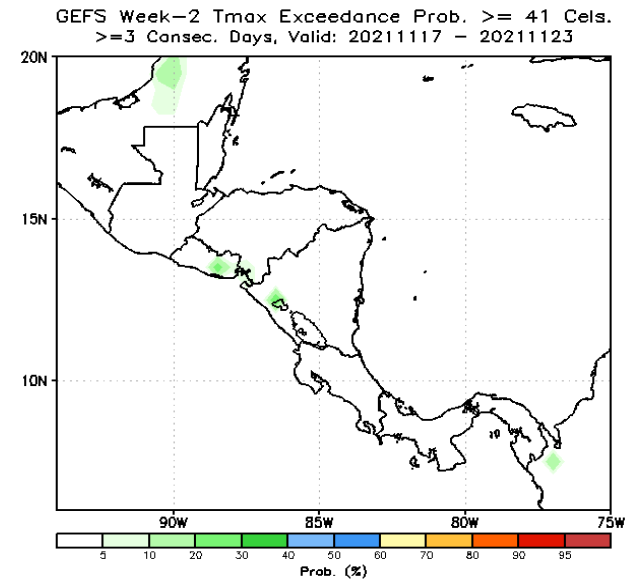
≥ 37°C



≥ 39°C



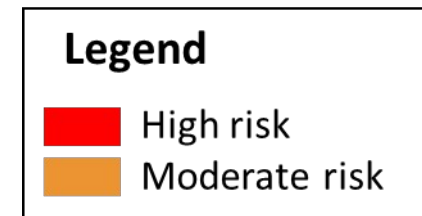
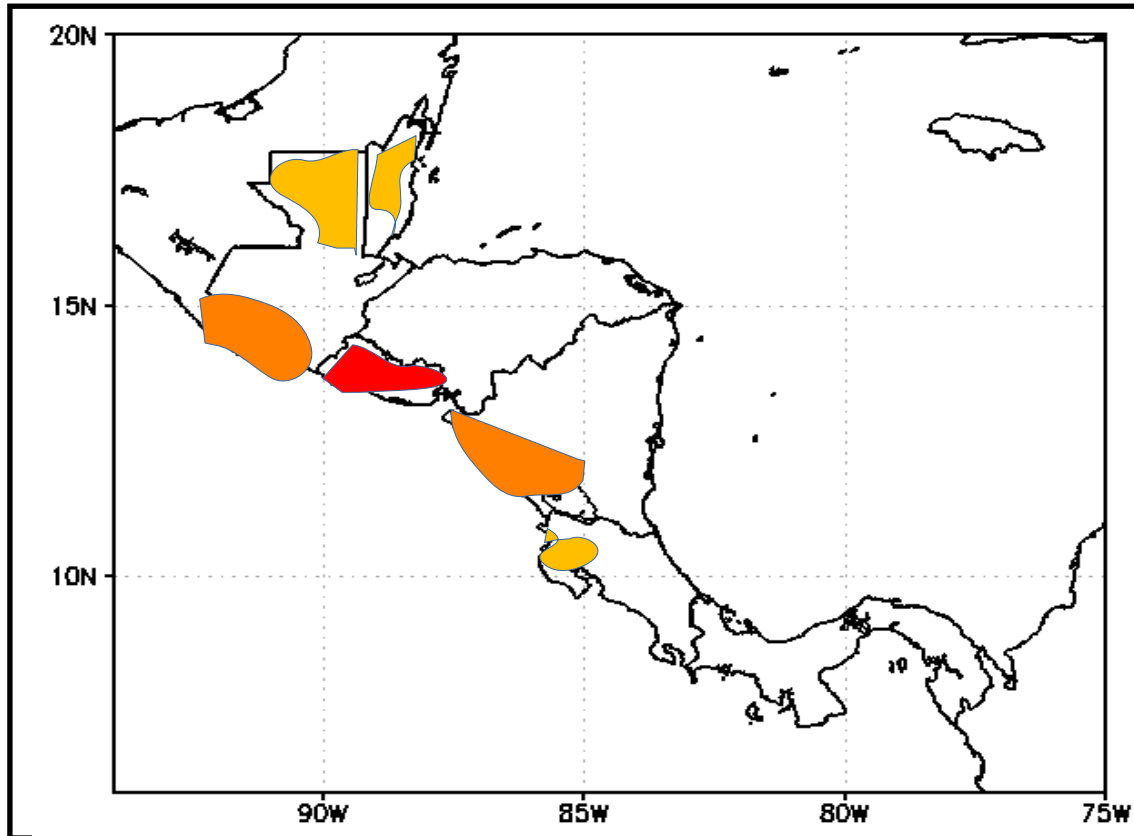
≥ 41°C



Resumen

Las variables atmosféricas muestran patrones que sugieren condiciones Ventosas sobre CR y NIC, importante cobertura nubosa en la zona del Caribe y menor nubosidad sobre Guatemala, El Salvador y Honduras.

Perspectivas de Calor Extremo



Mayor probabilidad para las zonas del Pacífico de acuerdo con el modelo y concordante con los patrones atmosféricos esperados, deberíamos tener menor cobertura nubosa y vientos más débiles en esa zona.