



MINISTERIO DE  
GOBERNACIÓN

# La importancia de las plataformas meteorológicas para el monitoreo y predicción de lluvias.

**Departamento de Reducción de Riesgos**

09 mayo 2025

New Temperature New Cluster GFS ENS

New Precipitation New Cloud Forecast P

### Region - GFS

Overview

Subregion

Europe  
Africa  
North America  
Central America  
South America  
Oceania  
Asia

### World

Northern Hemisphere  
Southern Hemisphere  
South America/Antarctic

Atlantic (North)  
Atlantic (South)  
Pacific (NE)  
Pacific (SE)  
Indian Ocean (South)  
Indian Ocean (North)

### Parameter - GFS

Panel parameter  
Z500/Rain (+SLP)/Z850  
Prec 6h/Wind 10m/950

Pressure  
Surface pressure  $\Delta t$

Upper level  
Height/Temp. 925 hPa  
SLP/Temp. 850 hPa  
Height/Temp. 850 hPa  
Height/Temp. 500 hPa  
Height/Temp. 100 hPa  
Height/Temp. 10 hPa  
Height/Temp. 1 hPa

Wind  
Surface wind (bft)  
High wind areas  
Jet stream/Height 300 hPa  
Streamlines 500 hPa  
Streamlines 10m

Convection  
Cape  
Deep layer shear (0-1km) \*  
Deep layer shear (0-6km) \*

Humidity/Visibility  
Visibility  
Fog Stability Index \*

Precipitation/Clouds  
Precipitation  
Precipitation (6h)  
Precipitation (12h)  
Precipitation accum.  
Rain/Snowfall rate  
Snow accu.

Temperature  
Temperature (2m)  $\Delta t$

Archive - GFS - Precipitation P

Base Time

| Model     |        |           |           |       | Ensemble |         | Seasonal  | Analysis | Soundings | Reanalysis |
|-----------|--------|-----------|-----------|-------|----------|---------|-----------|----------|-----------|------------|
| GFS       | ICON   | UK-Global | Harmonie  | YRNO  | GFS ENS  | GEFS TS | CFS       | Index    | Temps     | GDAS       |
| GFS 0.25  | JMA    | ICON-EU   | Harm .025 | Arome | ECMWF    | ECMWTS  | ECMWF     | Fronts   | GFS       | Merra2     |
| ECMWF     | ARPEGE | COAMPS@   | ICON-D2   | ALARO | CMC ENS  | CMC TS  | MetOffice | SIG      |           | ERA5       |
| EC (AIFS) |        | FMI       | UK-Region | NAM   |          | ALL TS  | Meteo FR  | SST      |           |            |
| NAVGEN    |        | Arpege-eu |           | MOD   |          |         | DWD       |          |           |            |
| CMC/GEM   |        |           |           |       |          |         | CMCC      |          |           |            |
| 557ww     |        |           |           |       |          |         | NCEP      |          |           |            |

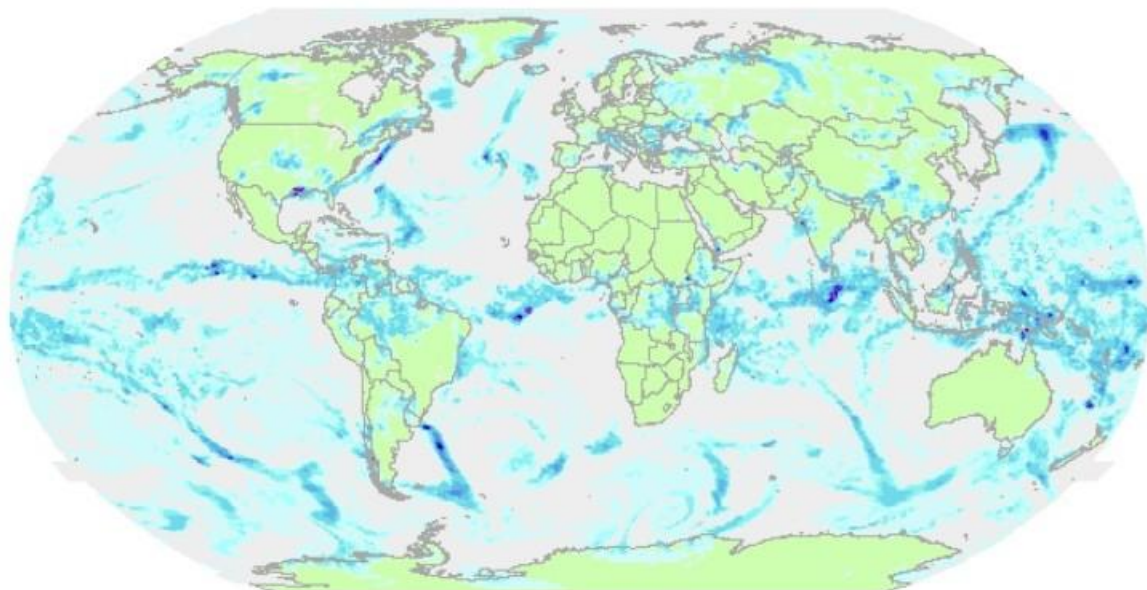
Base

We, 12 UTC

|     |     |     |     |     |     |     |     |     |         |     |     |     |     |         |     |     |     |     |         |     |     |     |     |         |  |  |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|---------|-----|-----|-----|-----|---------|-----|-----|-----|-----|---------|--|--|--|--|
| 3   | 6   | 9   | 12  | 15  | 18  | 21  | 24  | 27  | 30      | 33  | 36  | 39  | 42  | 45      | 48  | 51  | 54  | 57  | 60      | 63  | 66  | 69  |     |         |  |  |  |  |
| 72  | 75  | 78  | 81  | 84  | 87  | 90  | 93  | 96  | 99      | 102 | 105 | 108 | 111 | 114     | 117 | 120 | 123 | 126 | 129     | 132 | 135 | 138 | 141 |         |  |  |  |  |
| 144 | 147 | 150 | 153 | 156 | 159 | 162 | 165 | 168 | 171     | 174 | 177 | 180 | 183 | 186     | 189 | 192 | 195 | 198 | 201     | 204 | 207 | 210 | 213 |         |  |  |  |  |
| 216 | 219 | 222 | 225 | 228 | 231 | 234 | 237 | 240 | 243     | 246 | 249 | 252 | 255 | 258     | 261 | 264 | 267 | 270 | 273     | 276 | 279 | 282 | 285 |         |  |  |  |  |
| 288 | 291 | 294 | 297 | 300 | 303 | 306 | 309 | 312 | 315     | 318 | 321 | 324 | 327 | 330     | 333 | 336 | 339 | 342 | 345     | 348 | 351 | 354 | 357 |         |  |  |  |  |
| 360 | 363 | 366 | 369 | 372 | 375 | 378 | 381 | 384 | panel 1 |     |     |     |     | panel 2 |     |     |     |     | panel 3 |     |     |     |     | panel 4 |  |  |  |  |

We 07.05 15 UTC

Th Fr Sa Su Mo Tu We Loop |< -24 < > +24 >|



Precipitation [mm] GFS



We 07-05-2025 12..15 UTC (12+03)

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**New** Temperature

**New** Cluster GFS ENS

**New** Precipitation

**New** Cloud Forecast P

## Region - GFS

### Overview

- Europe
- Africa
- North America
- Central America
- South America
- Oceania
- Asia

### Subregion

## World

- Northern Hemisphere
- Southern Hemisphere
- South America/Antarctic

- Atlantic (North)
- Atlantic (South)
- Pacific (NE)
- Pacific (SE)
- Indian Ocean (South)
- Indian Ocean (North)

## Parameter - GFS

### Panel parameter

Z500/Rain (+SLP)/Z850  
Prec 6h/Wind 10m/950

### Pressure

**Surface pressure**  $\Delta t$   
Upper level  
Height/Temp. 925 hPa  
SLP/Temp. 850 hPa  
Height/Temp. 850 hPa  
Height/Temp. 500 hPa  
Height/Temp. 100 hPa  
Height/Temp. 10 hPa  
Height/Temp. 1 hPa

### Wind

Surface wind (bft)  
High wind areas  
Jet stream/Height 300 hPa  
Streamlines 500 hPa  
Streamlines 10m

### Convection

Cape  
Deep layer shear (0-1km) \*  
Deep layer shear (0-6km) \*

### Humidity/Visibility

Visibility  
Fog Stability Index \*

### Precipitation/Clouds

Precipitation  
Precipitation (6h)  
Precipitation (12h)  
Precipitation accum.  
Rain/Snowfall rate  
Snow accum.

### Temperature

Temperature (2m)  $\Delta t$

| Model     |        |           |           |       | Ensemble |         | Seasonal  | Analysis | Soundings | Reanalysis |
|-----------|--------|-----------|-----------|-------|----------|---------|-----------|----------|-----------|------------|
| GFS       | ICON   | UK-Global | Harmonie  | YRNO  | GFS ENS  | GEFS TS | CFS       | Index    | Temps     | GDAS       |
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| 557ww     |        |           |           |       |          |         | NCEP      |          |           |            |

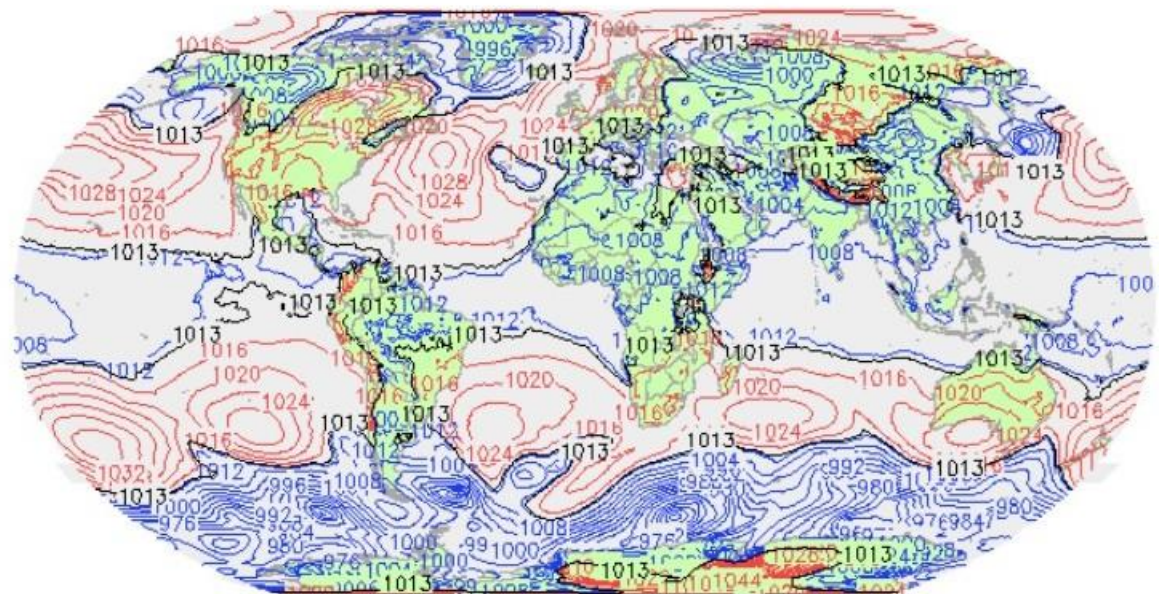
**hourly** period

**Base**  
We, 12 UTC

|         |     |     |     |     |     |     |     |     |     |     |     |         |     |     |     |         |     |     |     |         |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|
| 0       | 3   | 6   | 9   | 12  | 15  | 18  | 21  | 24  | 27  | 30  | 33  | 36      | 39  | 42  | 45  | 48      | 51  | 54  | 57  | 60      | 63  | 66  | 69  |
| 72      | 75  | 78  | 81  | 84  | 87  | 90  | 93  | 96  | 99  | 102 | 105 | 108     | 111 | 114 | 117 | 120     | 123 | 126 | 129 | 132     | 135 | 138 | 141 |
| 144     | 147 | 150 | 153 | 156 | 159 | 162 | 165 | 168 | 171 | 174 | 177 | 180     | 183 | 186 | 189 | 192     | 195 | 198 | 201 | 204     | 207 | 210 | 213 |
| 216     | 219 | 222 | 225 | 228 | 231 | 234 | 237 | 240 | 252 | 264 | 276 | 288     | 300 | 312 | 324 | 336     | 348 | 360 | 372 | 384     |     |     |     |
| panel 1 |     |     |     |     |     |     |     |     |     |     |     | panel 2 |     |     |     | panel 3 |     |     |     | panel 4 |     |     |     |

We 07.05 15 UTC

Th Fr Sa Su Mo Tu We Loop < -24 < > +24 >



## Region - GFS

Overview

Europe  
Africa  
North America  
**Central America**  
South America  
Oceania  
Asia

World

Northern Hemisphere  
Southern Hemisphere  
South America/Antarctic

Atlantic (North)

Atlantic (South)

Pacific (NE)

Pacific (SE)

Indian Ocean (South)

Indian Ocean (North)

## Parameter - GFS

Panel parameter  
Z500/Rain (+SLP)/Z850  
Prec 6h/Wind 10m/950  
Cloud (high,middle,low)

Pressure  
Surface pressure  $\Delta t$   
SLP tendency  
V-Adv. 850 hPa  
V-Adv. 500 hPa  
Theta-e 850hPa  
Theta-e 700hPa  
Theta-W 850hPa  
Wet bulb zero level  
Thck 850-1000 hPa  
Thck 700-1000 hPa  
Thck 500-1000hPa

Upper level  
Height/Temp. 925 hPa  
SLP/Temp. 850 hPa  
Height/Temp. 850 hPa  
Height/Temp. 700 hPa  
Height/Temp. 500 hPa  
Height/Temp. 100 hPa  
Height/Temp. 10 hPa  
Height/Temp. 1 hPa

Wind

Subregion

Caribbean

Convection

Cape  
Lifted Index  
Convection-Index  
Storm Relative Helicity \*  
Soaring Index  
K-Index  
Deep layer shear (0-1km) \*  
Deep layer shear (0-6km) \*

Air mass

Freezing level  
T-Adv. 850 hPa  
T-Adv. 500 hPa

Humidity/Visibility

Dew point  
RH 850 hPa  
RH 700 hPa  
Visibility  
Fog Stability Index \*

Precipitation/Clouds

**Precipitation**  
Precipitation (6h)  
Precipitation (12h)  
Precipitation accum.  
Rain/Snowfall rate  
Snow accu.

GFS 0.25  
ECMWF  
EC (AIFS)  
NAVDEM  
CMC/GEM  
557ww

JMA  
ARPEGE  
COAMPS®  
FMI  
Arpege-eu

ICON-EU  
ICON-D2  
UK-Region  
NAM  
MOD

Harm. 025  
Arome  
ALARO  
NAM  
MOD

ECMWF  
CMC ENS  
ALL TS

ECMWF  
CMC TS  
MetOffice  
Meteo FR  
DWD  
CMCC  
NCEP

Fronts  
SIG  
SST

GFS  
Merra2  
ERA5

Base

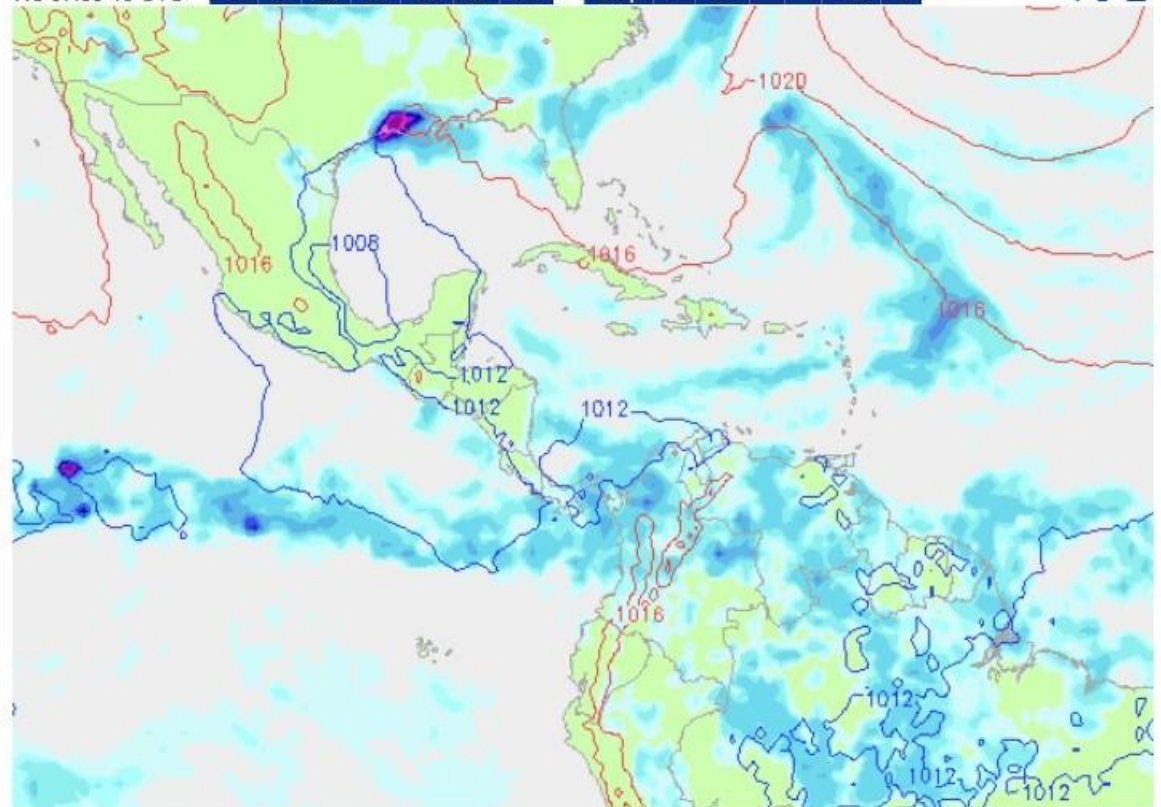
We, 12 UTC

|     |     |     |     |     |     |     |     |     |         |     |     |     |         |     |     |     |         |     |     |     |         |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|--|
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| 72  | 75  | 78  | 81  | 84  | 87  | 90  | 93  | 96  | 99      | 102 | 105 | 108 | 111     | 114 | 117 | 120 | 123     | 126 | 129 | 132 | 135     | 138 | 141 |  |
| 144 | 147 | 150 | 153 | 156 | 159 | 162 | 165 | 168 | 171     | 174 | 177 | 180 | 183     | 186 | 189 | 192 | 195     | 198 | 201 | 204 | 207     | 210 | 213 |  |
| 216 | 219 | 222 | 225 | 228 | 231 | 234 | 237 | 240 | 243     | 246 | 249 | 252 | 255     | 258 | 261 | 264 | 267     | 270 | 273 | 276 | 279     | 282 | 285 |  |
| 288 | 291 | 294 | 297 | 300 | 303 | 306 | 309 | 312 | 315     | 318 | 321 | 324 | 327     | 330 | 333 | 336 | 339     | 342 | 345 | 348 | 351     | 354 | 357 |  |
| 360 | 363 | 366 | 369 | 372 | 375 | 378 | 381 | 384 | panel 1 |     |     |     | panel 2 |     |     |     | panel 3 |     |     |     | panel 4 |     |     |  |

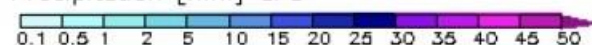
panel 1 panel 2 panel 3 panel 4

We 07.05 15 UTC

Th Fr Sa Su Mo Tu We Loop < -24 < > +24 >



Precipitation [mm] GFS



We 07-05-2025 12..15 UTC (12+03)

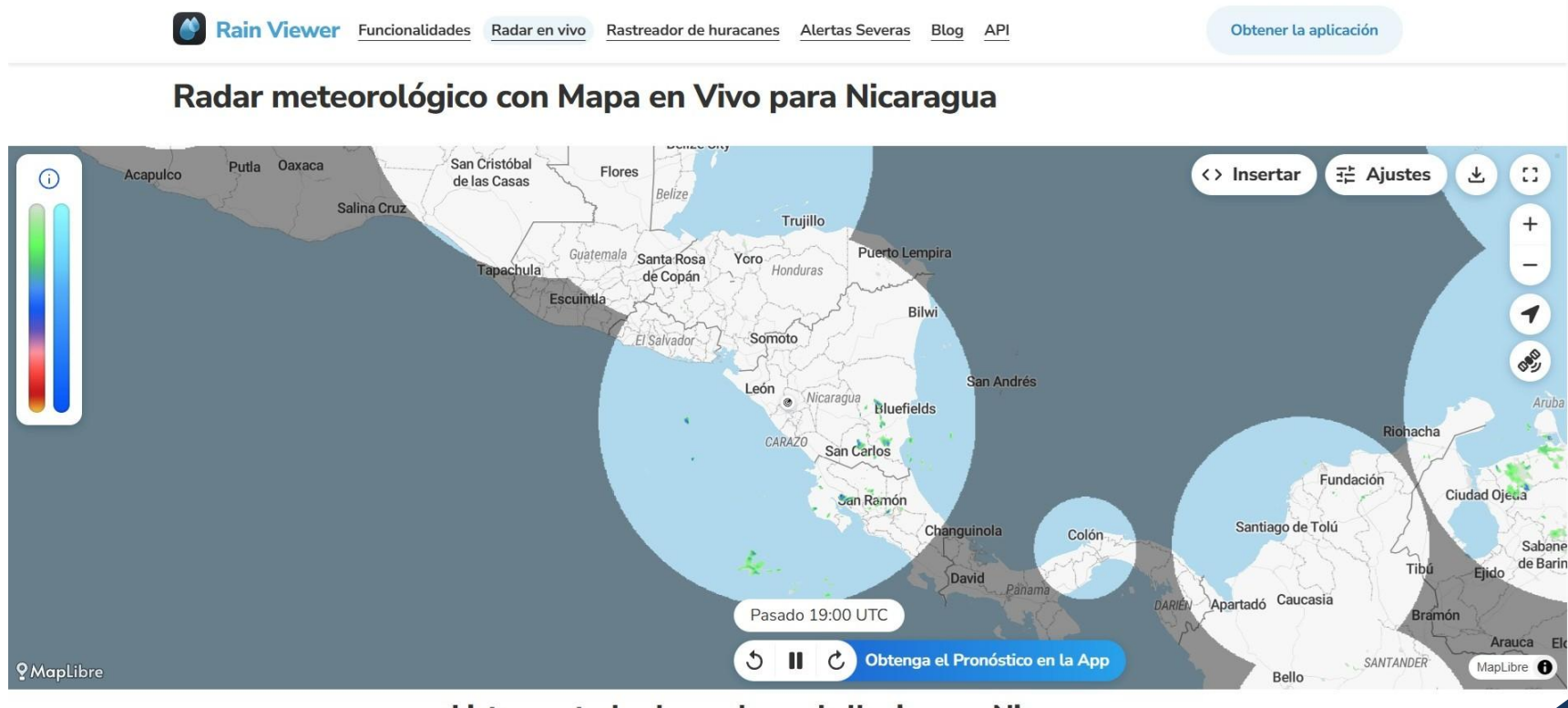
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☐ Mouseover effect

Times: ☐ available ☒ selected ☐ available (previous base) ☐ not available

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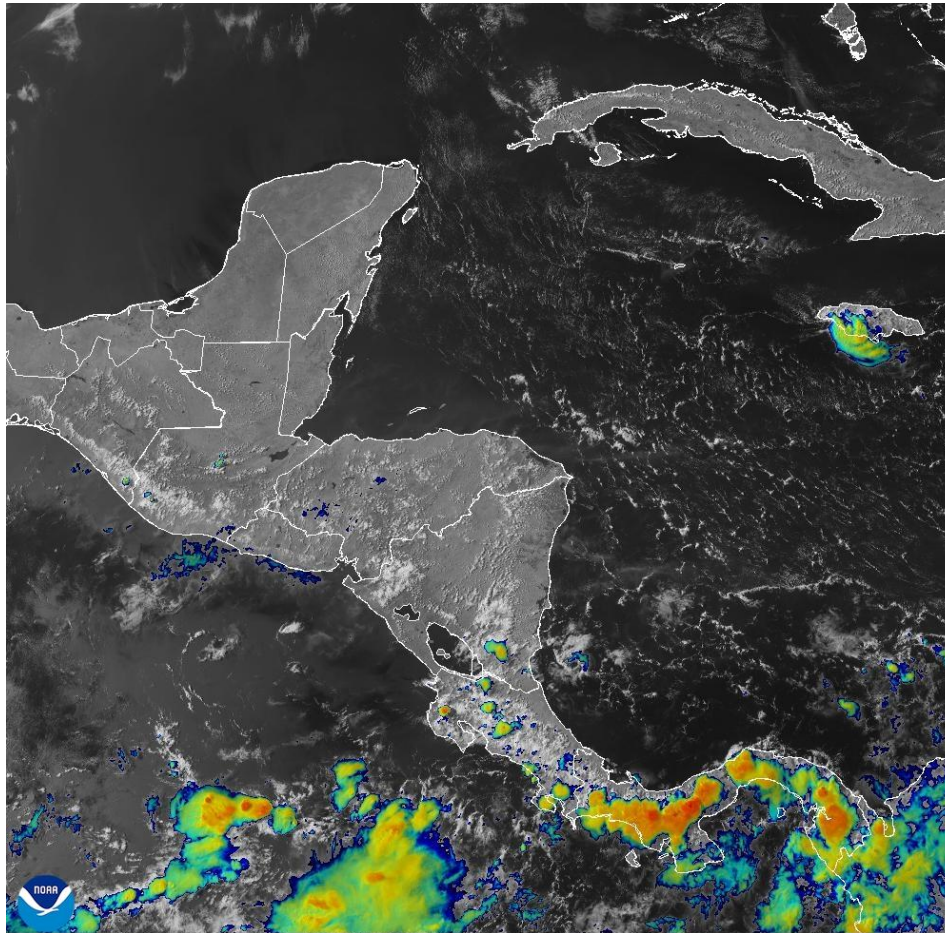
# Imagen de radar solo lluvias



# Imagen radar de lluvias y nubes



# Imagen satelital



07 May 2025 20:30Z - NOAA/NESDIS/STAR - GOES-19 - Sandwich Composite - CAM



**Gracias...!!!**

