

# Meteorología



XXV° BUENOS AIRES – RÍO DE JANEIRO 2017

1) Pronóstico base y actualizaciones

2) Fenómenos generales en juego

3) Pronóstico

# 1) Pronóstico base y actualizaciones

# CHINONAUTICO

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Escuela Y.C.A. ▾

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Meteorología CHINONAUTICO

Escuela de náutica Y.C.A.

Cursos CHINONAUTICO

Patrón de Yate 1  Chinonautico ▾

## Manual Interactivo - Patrón de Yate

- INTRODUCCIÓN
- Cronograma
- PROGRAMA
- Equipamiento Individual
- Generalidades sobre Yates.
  - Buza
  - Tecnología Marítima
  - Gobierno y Manobra
  - Maneobra de Hombre al Agua
  - Fondos
  - Cables y Nudos
  - Navegación con mal tiempo



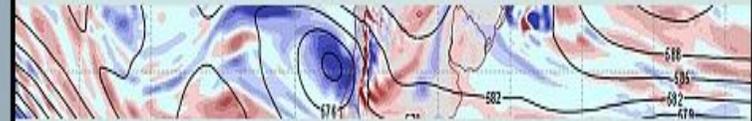
## A ) Mapas de predicción

### 1. Isobaras Sudamérica - GFS



TIPS

### 2. Isohipsas - GFS



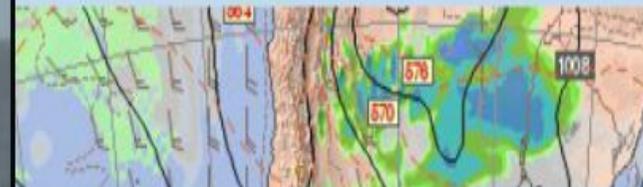
TIPS

### 3. Pronóstico a 10 días



ECMWF European Centre for Medium-Range Weather Forecasts y varios modelos para elegir, GFS a 372 horas.

### 4. OGIMET

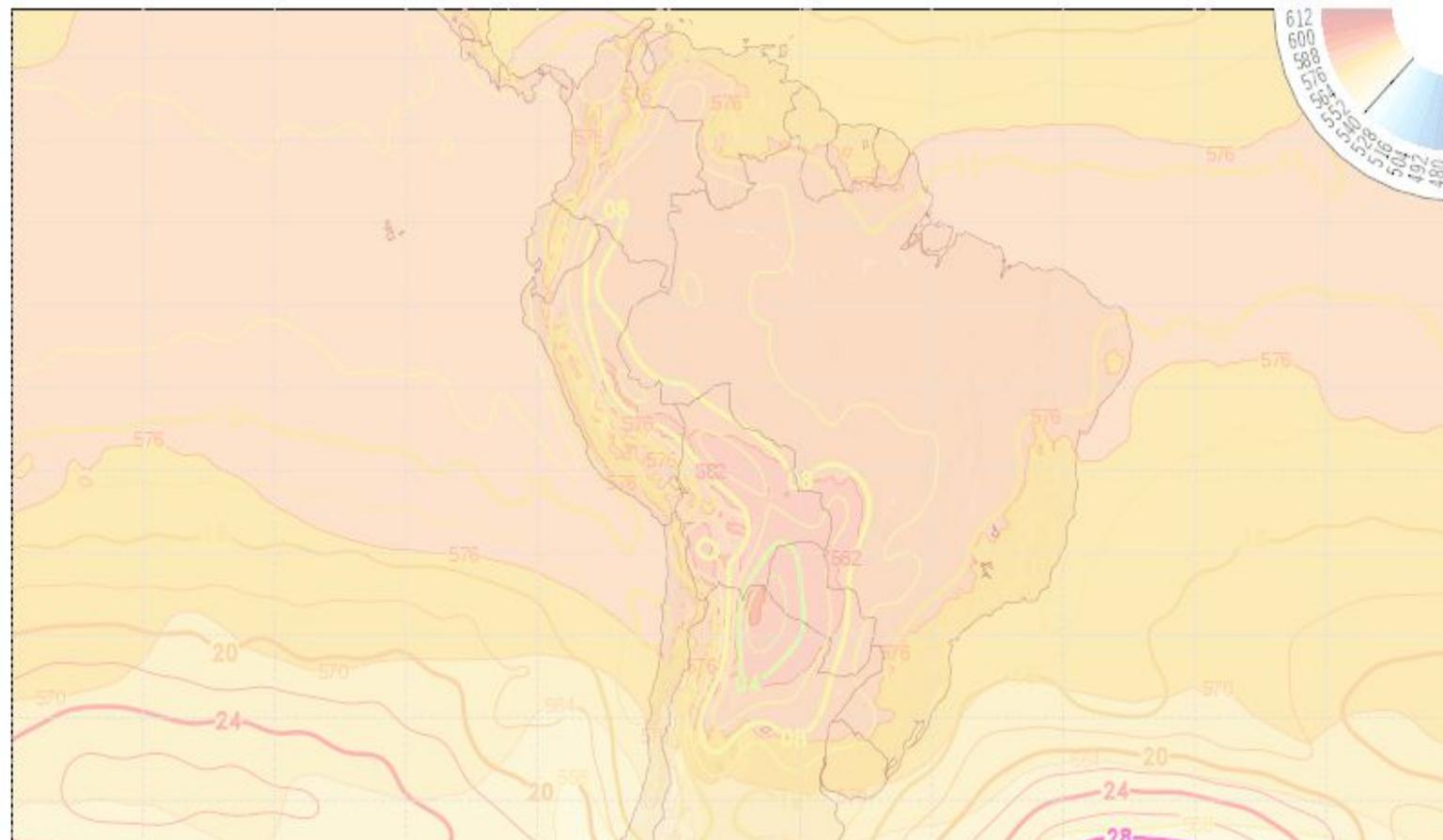


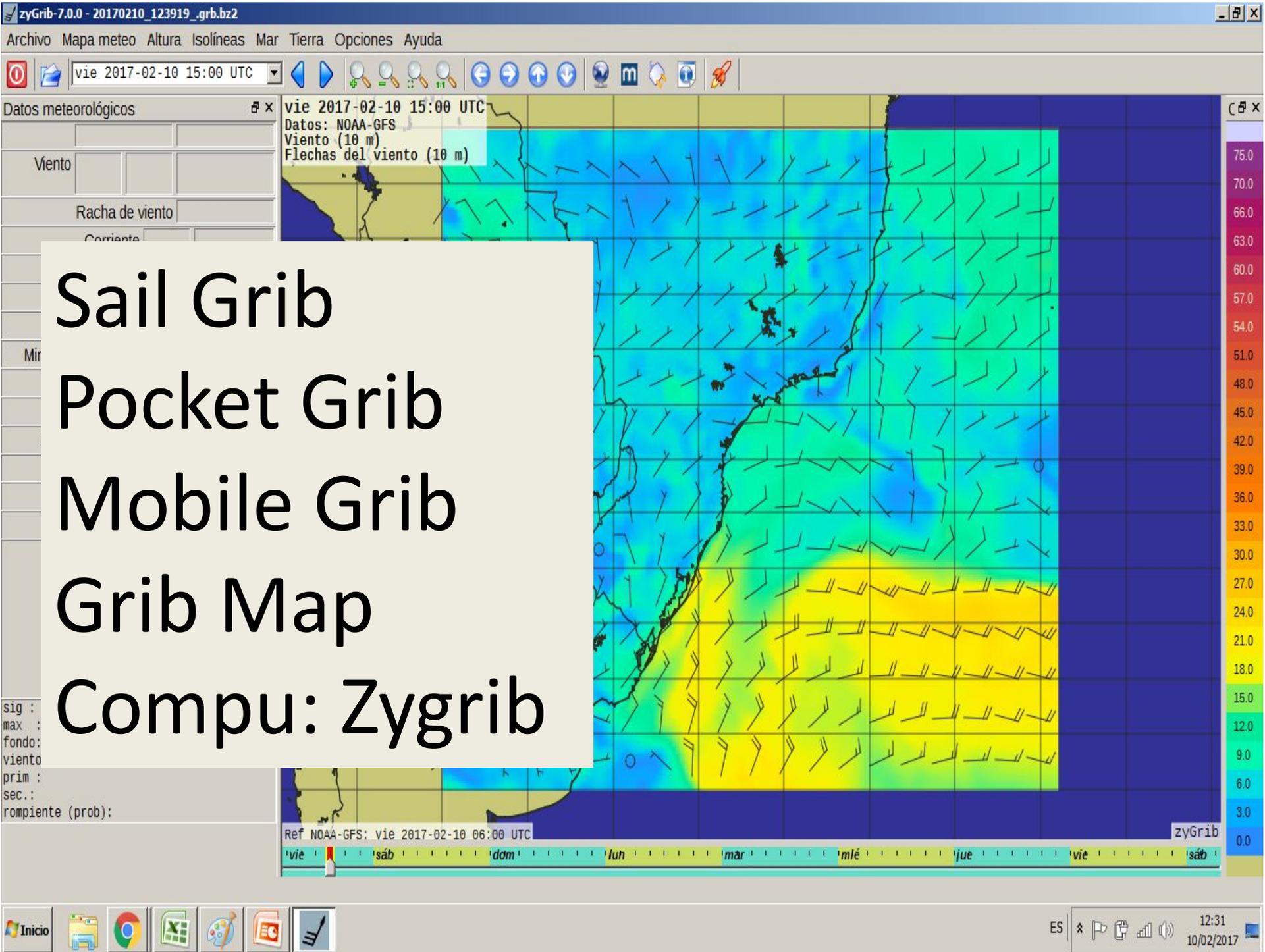
isobaras, isohipsas, dirección e intensidad del viento, nubosidad y precipitación.

# GFS Medium Range Forecasts of Sea Level Pressure and 1000-500mb Thickness

Issued: See Image Titles for Initial and Valid Times

Forecasts are issued by the National Centers for Environmental Prediction ([model documentation](#)) and are presented as a set of seven panels for each 24 hour interval from 0 (analysis) to 144 hours.





Sail Grib  
Pocket Grib  
Mobile Grib  
Grib Map  
Compu: Zygrib

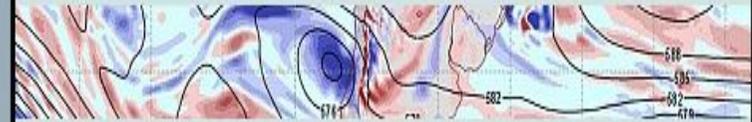
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TIPS

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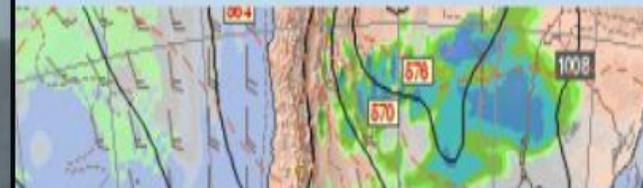
TIPS

### 3. Pronóstico a 10 días



ECMWF European Centre for Medium-Range Weather Forecasts y varios modelos para elegir, GFS a 372 horas.

### 4. OGIMET



Isobaras, isohipsas, dirección e intensidad del viento, nubosidad y precipitación.

[New](#) [GFS 0.25° resolution](#) [New](#) [Cluster GFS ENS](#)

[New](#) [Event probability P](#)

**Region - GFS**

Overview Subregion

- Europe Benelux
- Africa Caspian Sea
- North America Europe East-Central
- Central America Europe NW
- South America** Europe central
- Oceania Europe east
- East Asia France
- North Asia Greece
- South Asia Iraq
- Southeast Asia Italy
- World Japan
- Northern Hemisphere Mediterranean
- Southern Hemisphere Mediterranean east
- South America/Antarctic New Zealand
- Atlantic (North) Poland
- Atlantic (South) Russia
- Pacific (NE) Scandinavia
- Pacific (SE) Spain
- Turkey
- USA (Contiguous) USA (Contiguous)
- United Kingdom

**Parameter - GFS**

Panel parameter Convection

- Z500/Rain (+SLP)/Z850 Cape
- Prec 6h/Wind 10m/950 Lifted Index
- Cloud (high,middle,low) Convection-Index
- Soaring Index
- Pressure
- Surface pressure** Δt
- SLP tendency Air mass
- V-Adv. 850 hPa Freezing level
- V-Adv. 500 hPa T-Adv. 850 hPa
- Theta-e 850hPa T-Adv. 500 hPa
- Theta-e 700hPa Humidity/Vsibility
- Dew point

**Model**

|           |       |         |         |      |     |         |          |          |           |             |
|-----------|-------|---------|---------|------|-----|---------|----------|----------|-----------|-------------|
| GFS       | ECMWF | EURO4   | KNMI*   | RHMC | NAM | GFS ENS | GEFS TS  | Analysis | Soundings | Reanalysis  |
| GFS 0.25* | YRNO  | EURO4 h | ICON*   | JMA  | CFS | CMC ENS | CMC TS   | Index*   | Temps     | Merra2      |
| CMC       | BRAMS | Arpège* | COAMPS® |      | MOD | ECMWF   | ECMWF TS | Fronts   | GFS       | Era-Interim |
| NAVGEM    | Arome |         |         |      |     |         | ALL TS   | SST      |           |             |

**Ensemble**

hourly period

Base **Fr, 06 GMT**

|     |     |     |     |     |     |     |     |     |     |     |     |         |         |         |         |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|---------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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  | 78  | 84  | 90  | 96  | 102 | 108 | 114 | 120 | 126 | 132 | 138 | 144     | 150     | 156     | 162     | 168 | 174 | 180 | 186 | 192 | 204 | 216 | 228 | 240 |
| 252 | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | 372 | 384 | panel 1 | panel 2 | panel 3 | panel 4 |     |     |     |     |     |     |     |     |     |

Mo 20.02.06 GMT

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

Microsoft SQL Server

**FREE tool for SQL Server® database recovery**

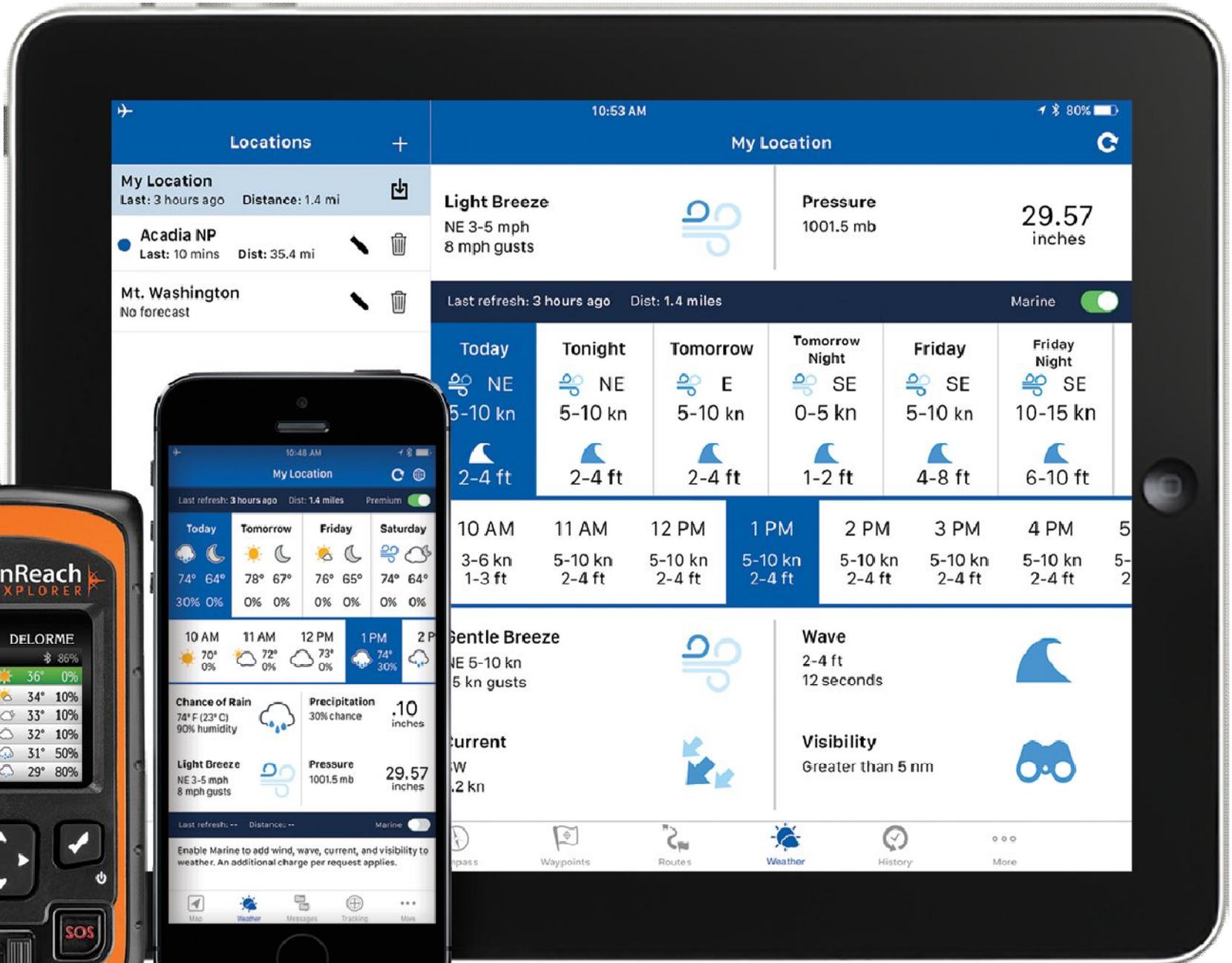
Installed by 500.000 VMware | Hyper-V admins

[DOWNLOAD NOW](#)

**veeam**

# Actualizando





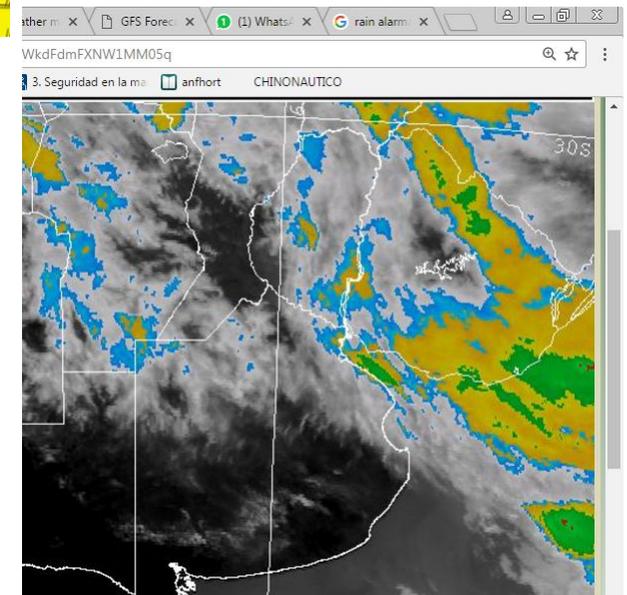
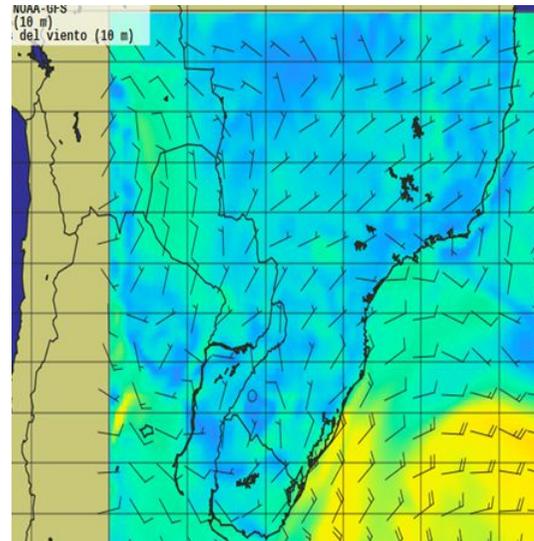
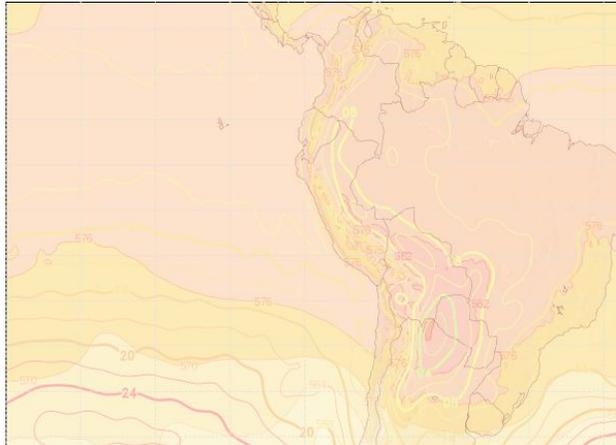
Premium (Non-marine)

Premium (Marine)

## GFS Medium Range Forecasts of Sea Level Pressure and 1000-500mb Thickness

Issued: See Image Titles for Initial and Valid Times

Forecasts are issued by the National Centers for Environmental Prediction ([model documentation](#)) and are presented as a set of seven panels for each 24 hour interval from 0 (analysis) to 144 hours.



## B) Imagenes de Satelite

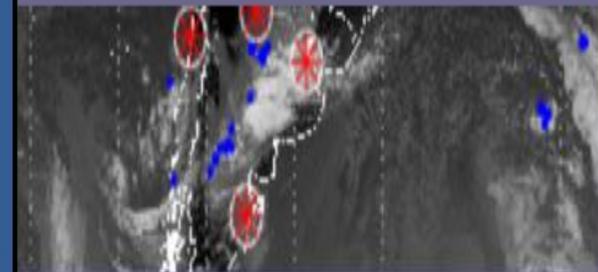
**Para los Tips de interpretación pulsar aquí.**

### 1. Satelital - SMN



Imágenes Satelitales Goes 13 - Argentina Sectorizada - Topes Nubosos (Infrarojo Color). Luego de GF5, es la herramienta más importante para hacer el seguimiento de las tormentas hasta 24 horas antes y principalmente 6 horas antes.

### 2. Tormentas - Actividad eléctrica



Tormentas activas en vivo - actividad eléctrica.

- ▶ Topes Nubosos
- ▶ Vapor de Agua
- ▶ Visible

### Sudamérica

- ▶ Infrarrojo
- ▶ Topes Nubosos
- ▶ Vapor de Agua

### Argentina

- ▶ Infrarrojo
- ▶ Topes Nubosos
- ▶ Vapor de Agua
- ▶ Visible

### Argentina 3 Hs.

- ▶ Topes Nubosos
- ▶ Vapor de Agua
- ▶ Visible

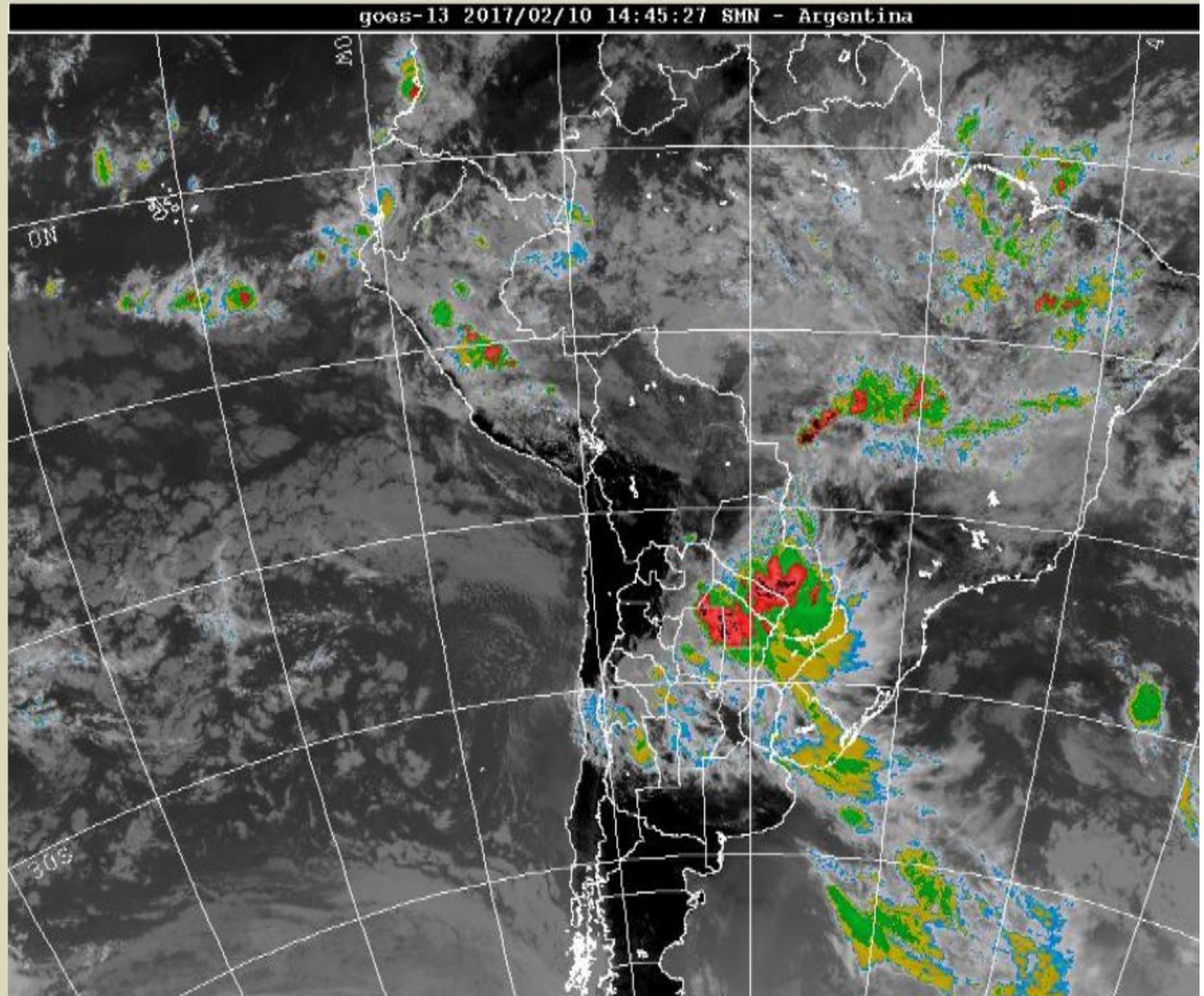
### Argentina Sectorizada

- ▶ Topes Nubosos

Los colores corresponden a los siguientes umbrales de temperaturas



[Ref](#)



## 5. Rain Alarm



Radar integrado La Pampa, Pergamino y Ezeiza. Recomiendo instalar la aplicación en el Teléfono

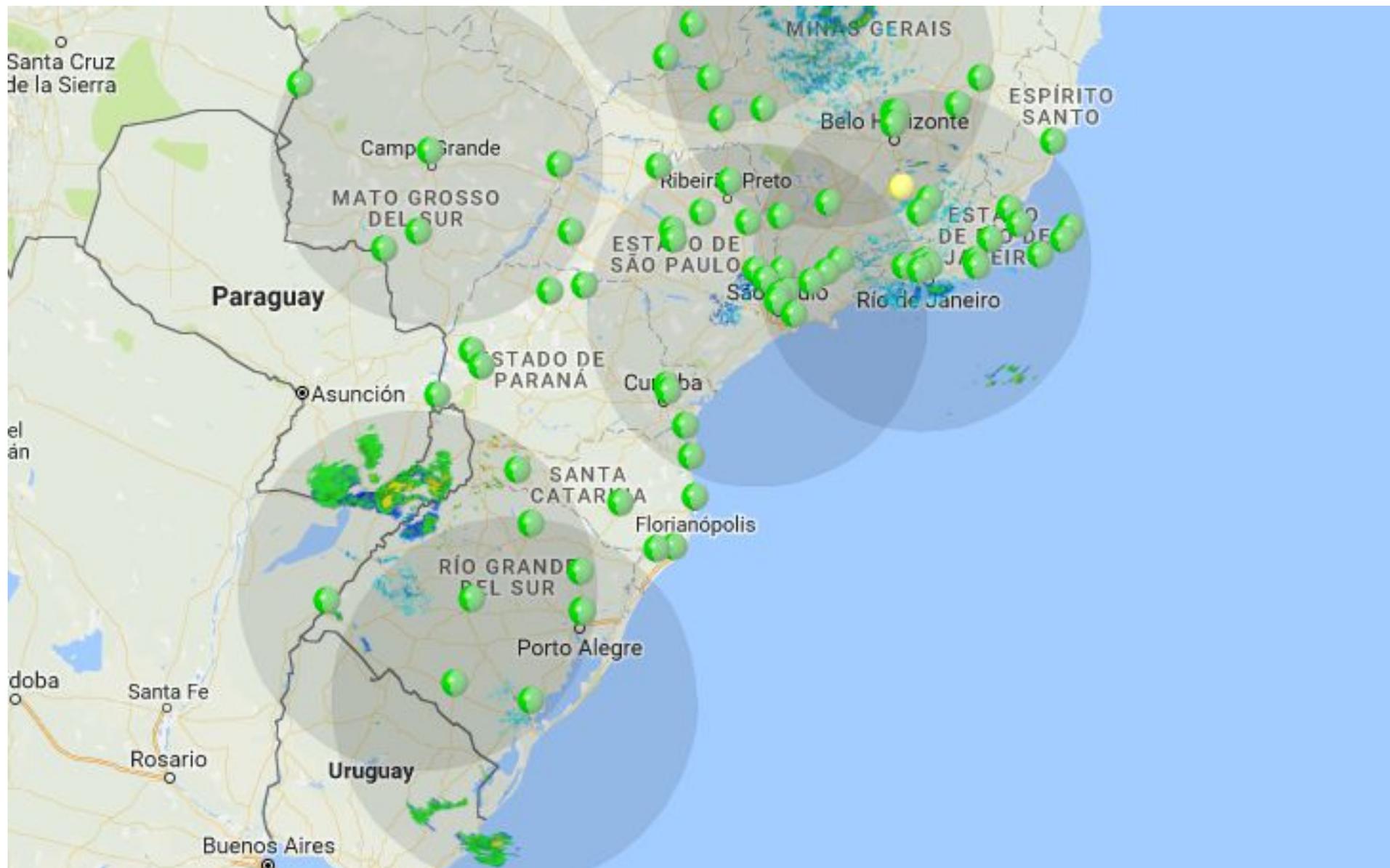
## 7. Radar Redemet Brasil



## 6. Radares INTA



Son los mismos radares, La Pampa, Pergamino y Ezeiza. El punto fuerte:: PODEMOS VER IMÁGENES ANTERIORES.



Actualizar pronóstico  
Diseño especial

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- Solutions
- Enterprise
- Shop by Product
- Newest Releases
- XMap GIS
- Digital Base Maps - for GIS & OEM Markets
- Earthmate App for Mobile
- Earthmate GPS
- inReach
- inReach Accessories
- Paper Atlases
- Street Atlas USA
- Blogs
- Customer Service
- Technical Support
- About DeLorme
- inReach Users**
- Access Your Account

Mapping, Satellite Communication, GPS, and Digital Data Technologies

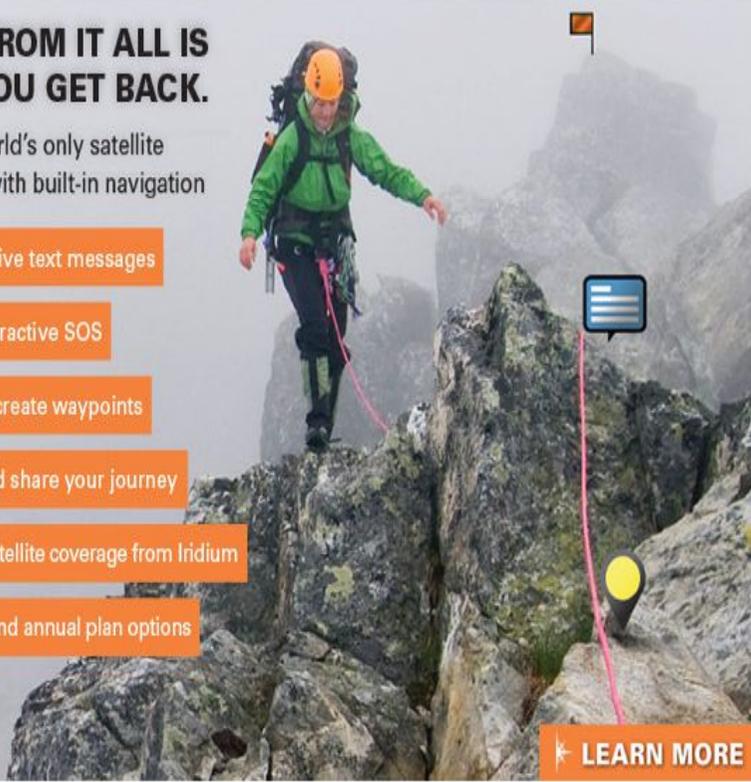
## inReach Explorer 2-Way Satellite Communicator



**GETTING AWAY FROM IT ALL IS ONLY GREAT IF YOU GET BACK.**

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1:53 PM



84%



Routes



Tracking



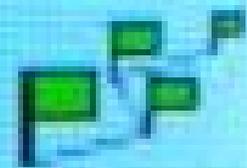
Social



Map



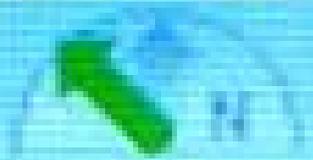
Messages



Waypoints



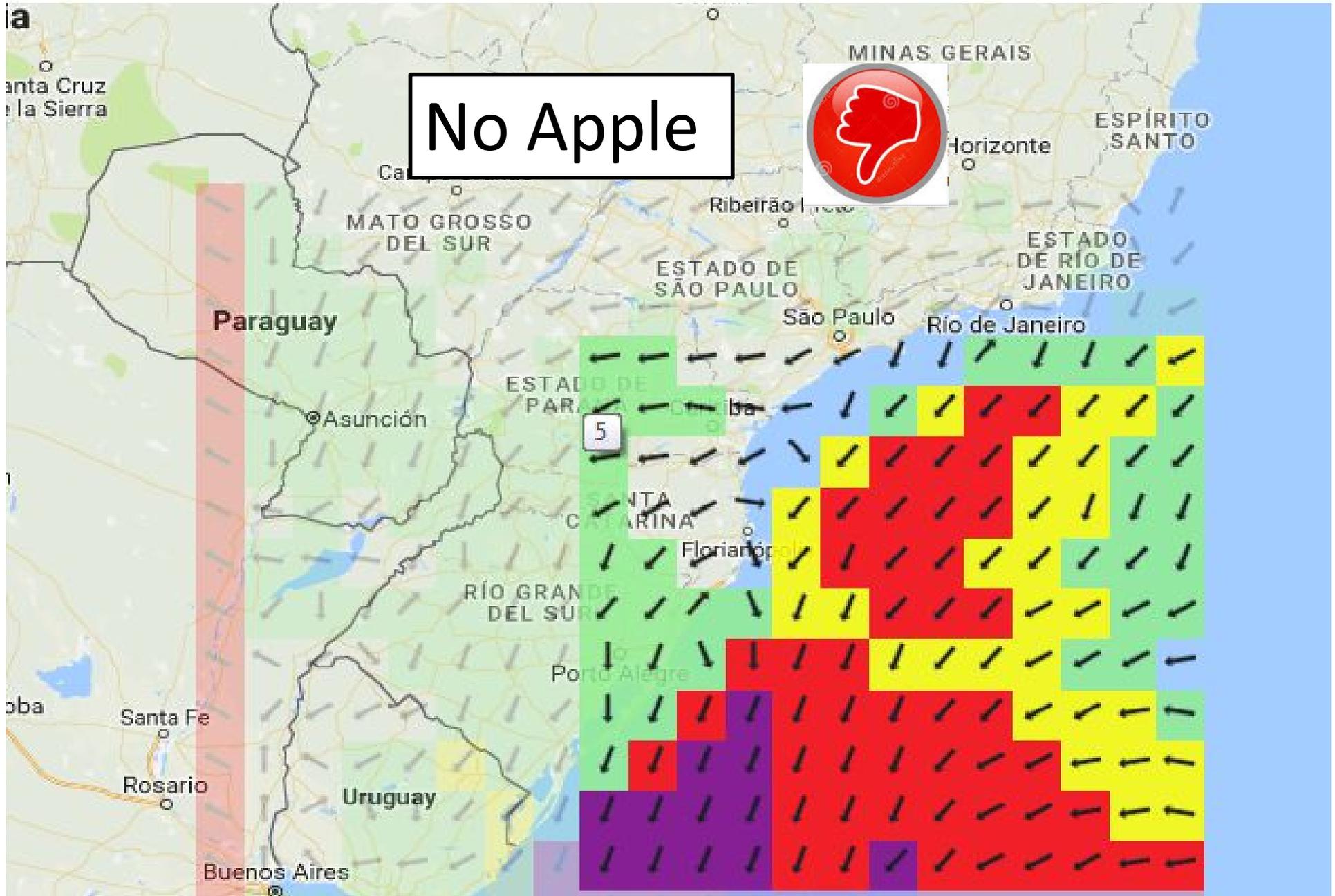
Weather



Compass



SOS





## Earthmate – GPS with Topo Maps

DeLorme Publishing, Inc

Para todos

INSTALAR

Diseñada para teléfonos



Descargas



458 ▲



Viajes y guías

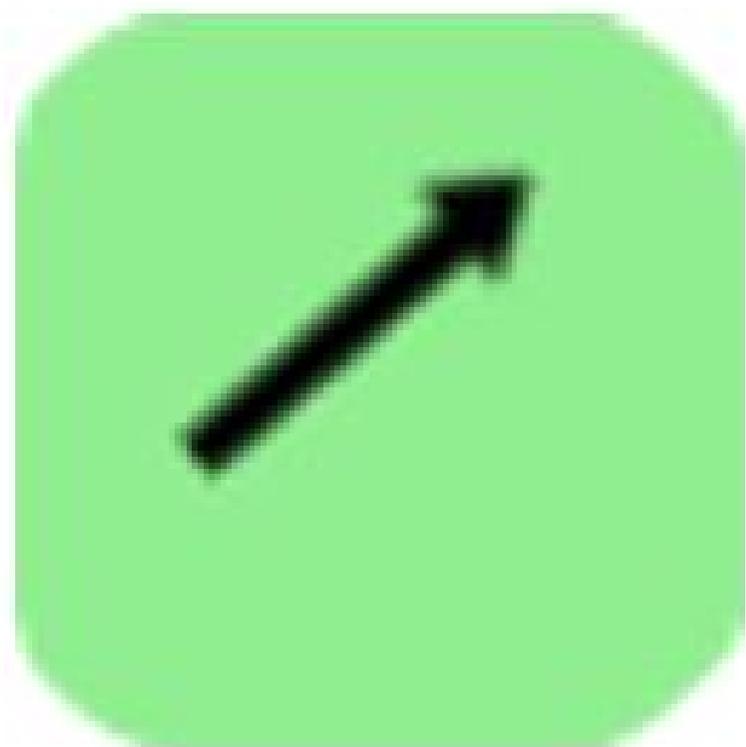


Similar

De navegación GPS para al aire libre o de caza

[MÁS INFORMACIÓN](#)

# Play Store

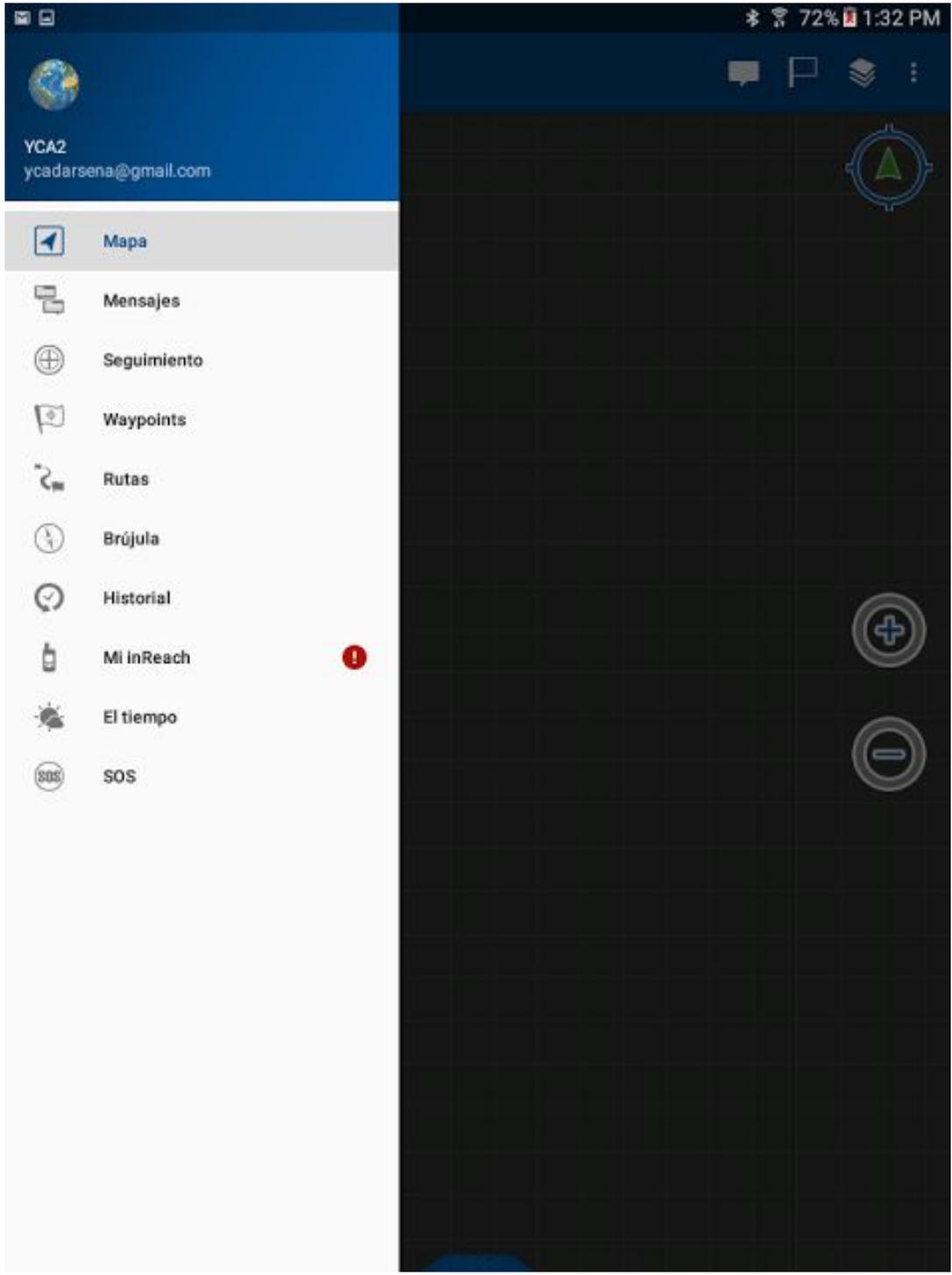


## SmsGrib

Matias Bagini

Visualizador de  
pronosticos en formato  
Grib

GRATIS





chinonautico@gmail.com

Martes

+#+005949956&\*00005449556&+/+++044116+++++00\*%,11++++&&&X',270000++0+(-2220,1111,-...2220,+...

unknown@delorme.com

Martes

+^#=#\*00005449556&+/+++044116+++++00\*%,11++++&&&X',270000++0+(-2220,1111,-...2220,+1...-221111,-...-

MapShare

Martes

Para publicar en tu página de MapShare, responde a este hilo de mensajes.

< chinonautico@gmail.com

+#+###0+005949956&\*00005449556&+/###044116+++++00+%,11+++  
++&&&X;270000++0+(-2220,1111,...2220,+1,.....-221111,-...-21,,0,.....-2-...  
0)-...-

Martes  
6:15 PM

⚡ Escribe el mensaje

22/160  
ENVIAR

< Detalles del mensaje

+ '#=++0+005949956&\*00005449556&+/+++044116+++++00+\*%,11++++&&X',270000++0+  
(-2220,1111,-.2220,+1,,...-221111,-...-21,,0,.....-2,,())-...-

Enviado desde  
chinonautico@gmail.com

6:15 PM  
7 de febrero de 2017



< Detalles del mensaje

+'+#=#++0+005949956&\*00005449556&+//+++044116+++++00+\*%,11  
(-2220,1111,-..2220,+1,,.....-221111,-...-21,,0,.....-2,,,)}-...-

Enviado desde  
chinonautico@gmail.com

6:15 PM  
7 de febrero de 2017

- Reenviar
- Sincronización
- Desvincular
- Configuración
- Ayuda

Nuevo mens.

A 

FW: +'=#=++0+005949956&\*00005449556&+//+++044116+++++00+\*%,11++  
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0)-...-

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0)-...-

152/160  
ENVIAR



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**SMSGRIB**

---

Ingresar el código de hasta 140 caracteres:

Enviar

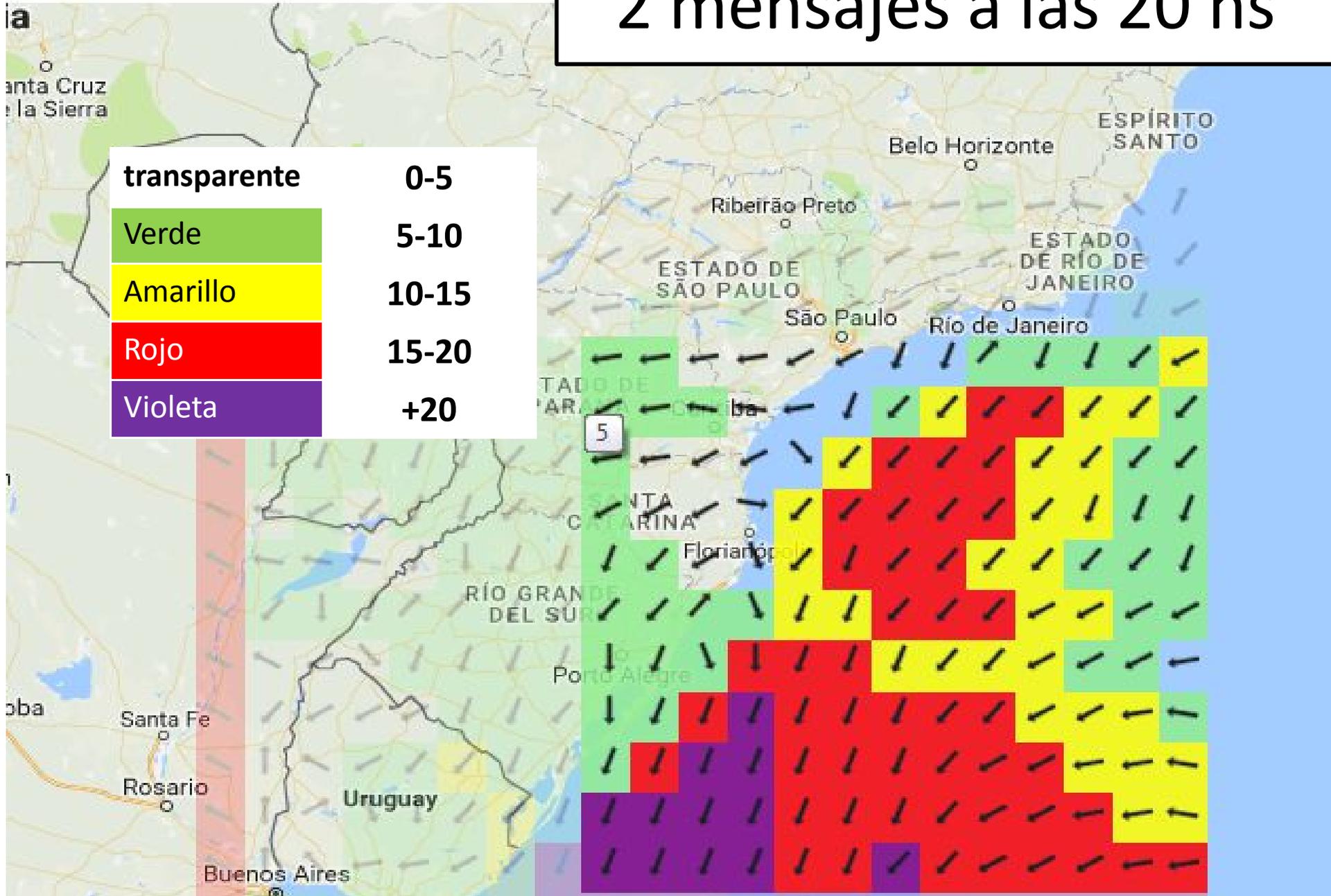


Ingresar el código de hasta 140 caracteres:

```
,*!!EAX%*/**////+44549CRA!&**+*////00/4/*Xu*A!&&+*/4540/0/*9%&0A&&&&*/05544//%X&&+1A&&&&+005:94%+,-,+,A!&&&&+54//p,-,-,+,A90*&&+0//f,----,'&&A:9%&&&+u,(-  
-,+,+&A+!&XX&+++Xv'---1100A>/p&&&&!&v#(',,1004A*//&&+!&)((--116:AM>0+,&&&())((-2266;AM\v!+,&))((-2276;AMC550,()))((.-22277AI?:5:1-((())).--2227AEE50,,  
(((())----222AEE@?&'""#')(-222
```

Enviar

2 mensajes a las 08 hs  
2 mensajes a las 20 hs



|              |       |
|--------------|-------|
| transparente | 0-5   |
| Verde        | 5-10  |
| Amarillo     | 10-15 |
| Rojo         | 15-20 |
| Violeta      | +20   |

## 2) Fenómenos generales en juego

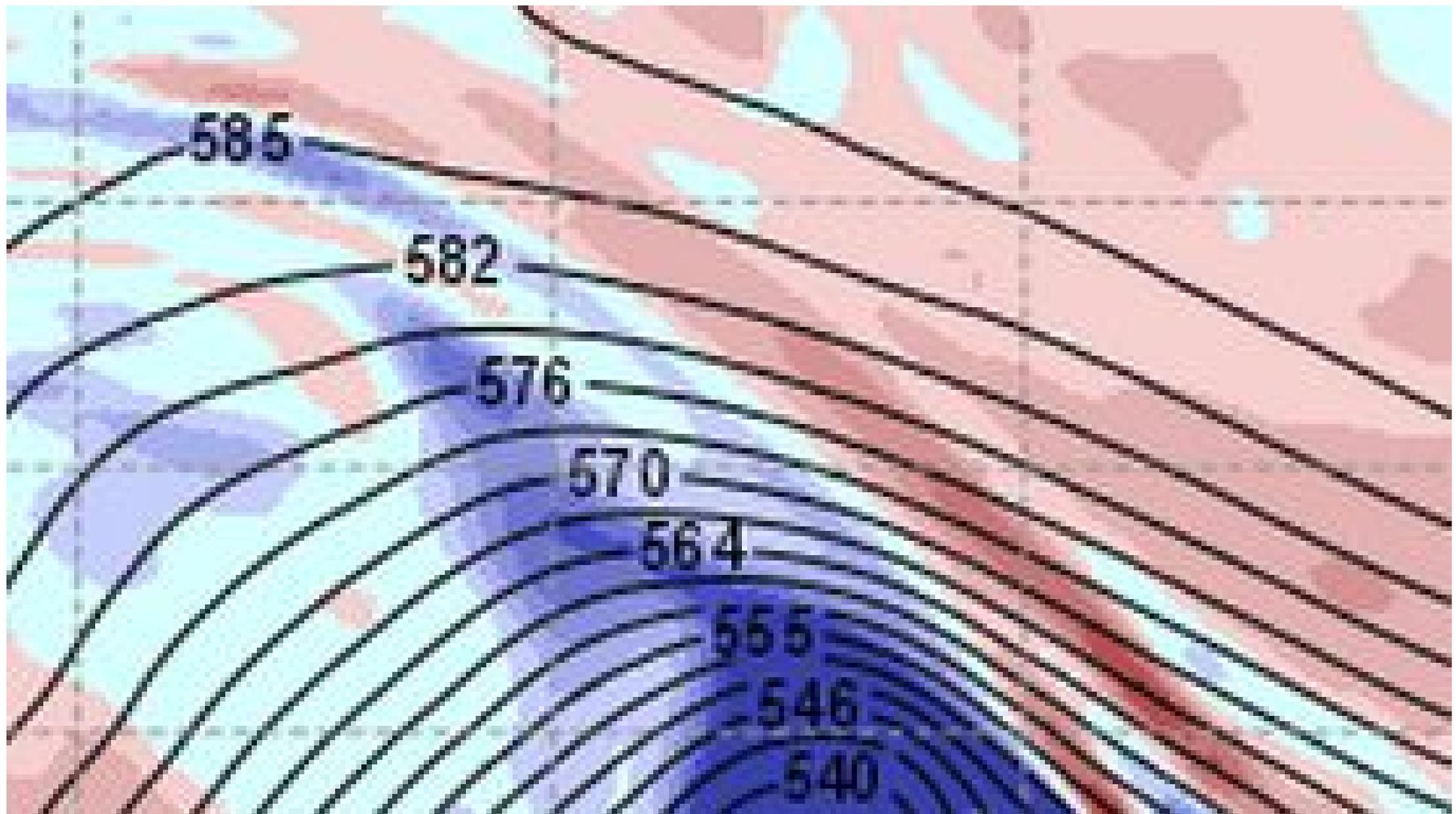
## Fenómenos meteorológicos en juego.

- a) Desplazamiento natural de los sistemas
- b) Inestabilidad en capas medias
- c) Diferencia en la TSM, corrientes marinas
- d) Fenómeno térmico local - Brisa y Terral
- e) Centro de Alta presión
- f) Vaguada - Frente frío - Pampero
- g) Baja presión
- h) Transición de los centros de Alta

## a) Desplazamiento de los sistemas



## b) Inestabilidad en capas medias



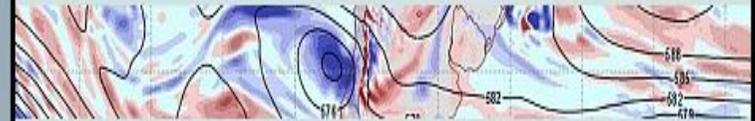
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TIPS

### 2. Isohipsas - GFS



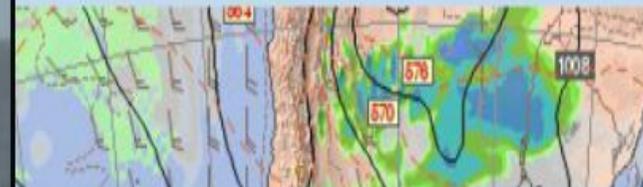
TIPS

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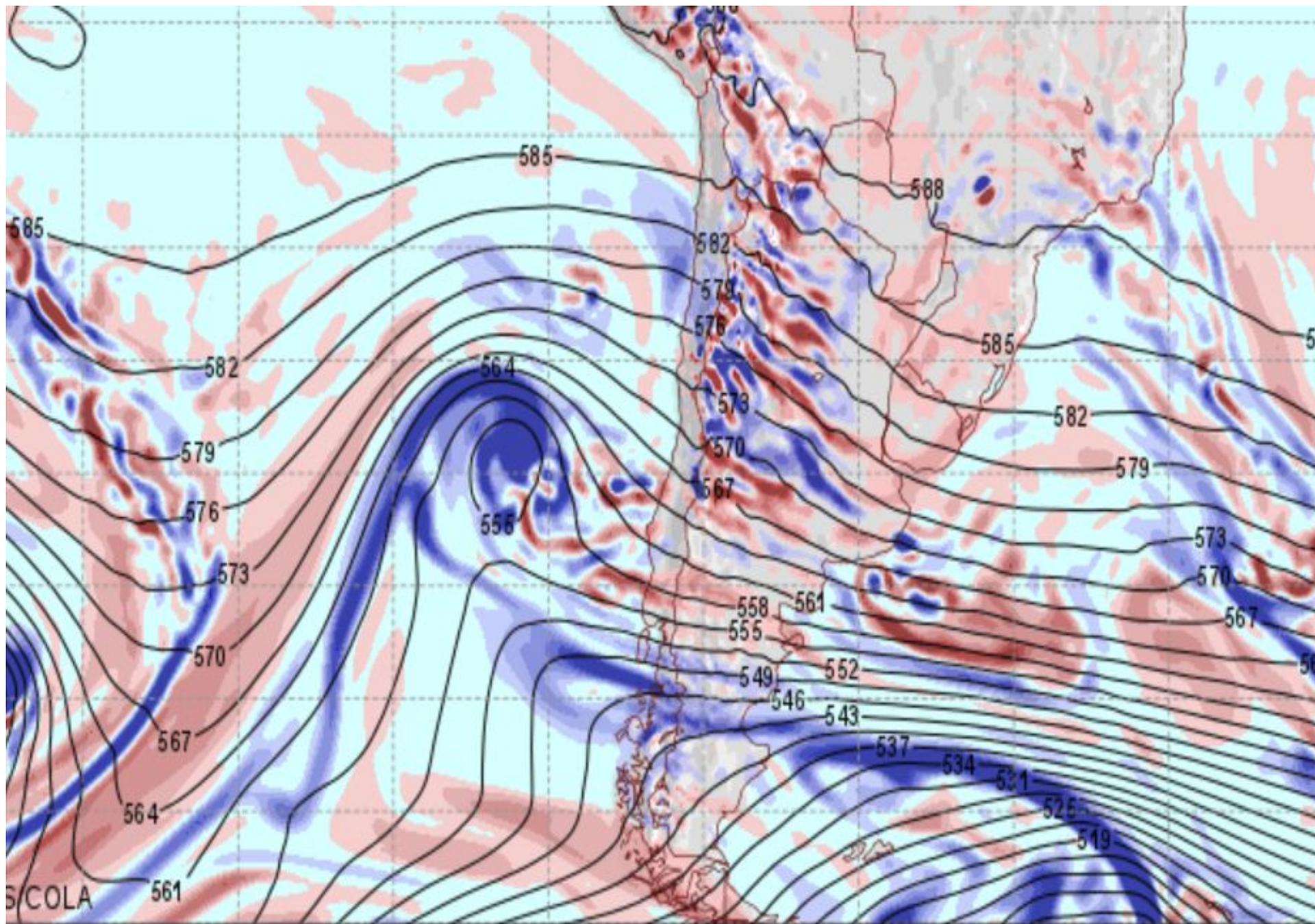


ECMWF European Centre for Medium-Range Weather Forecasts y varios modelos para elegir, GFS a 372 horas.

### 4. OGIMET



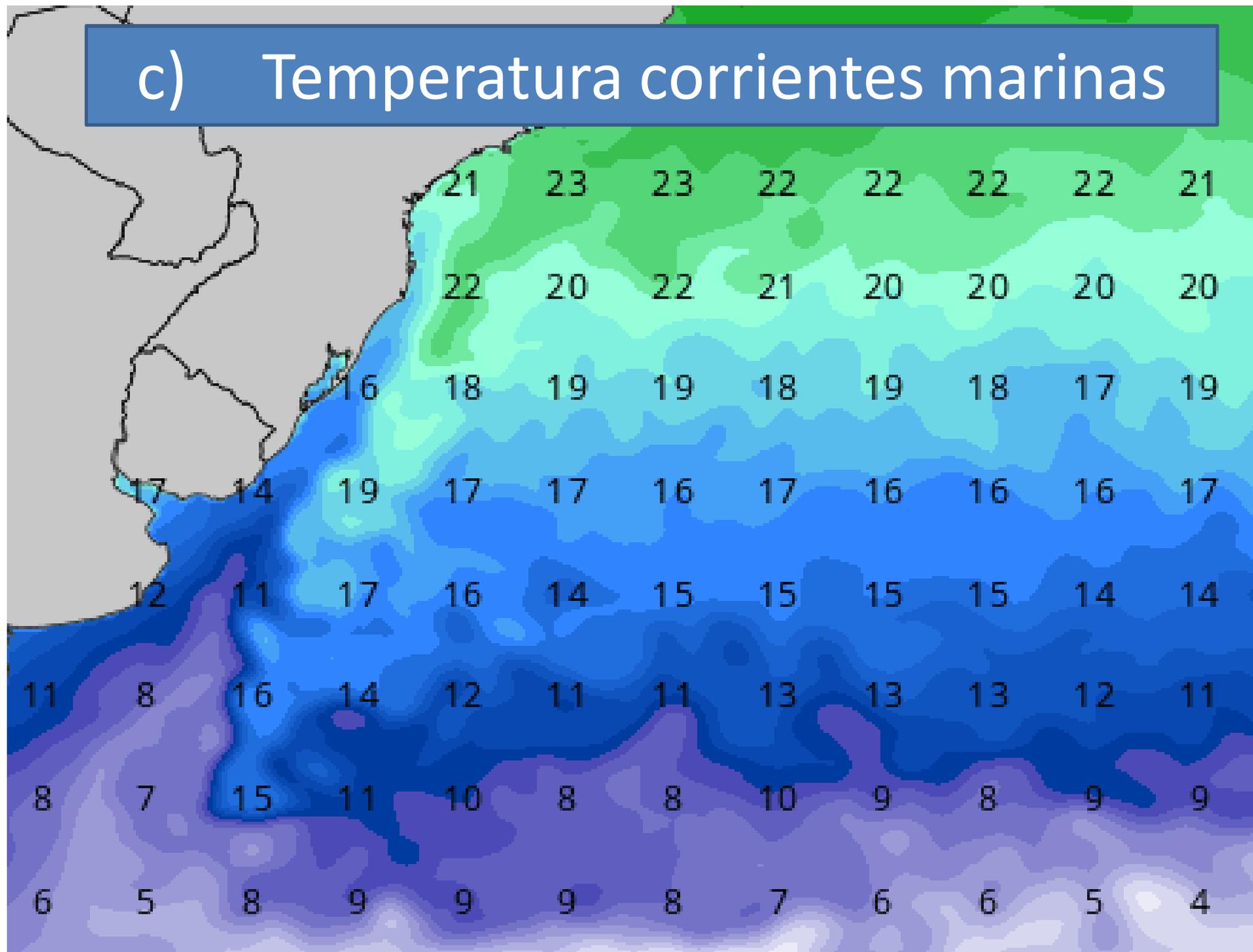
Isobaras, isohipsas, dirección e intensidad del viento, nubosidad y precipitación.



GFS Issued: 00Z13OCT2016 Valid: 00Z Sat 15 OCT 2016

500mb Heights

## c) Temperatura corrientes marinas



## d) Brisa y Terral

Con buen Tiempo y vientos  
leves debemos esperar  
desarrollo del fenómeno  
térmico local

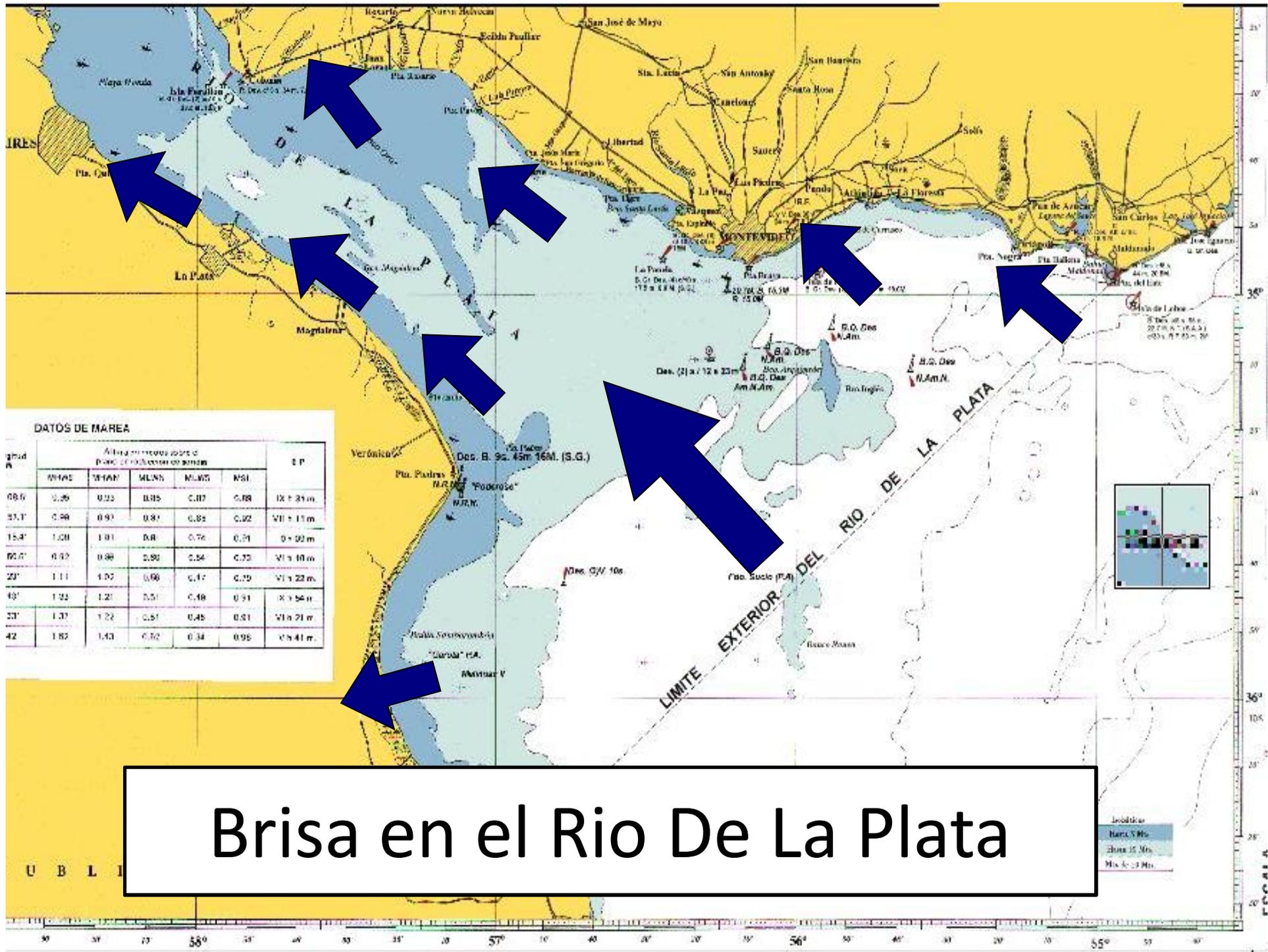


Brisa:  
Perpendicular a  
la costa, por la  
tarde y hasta  
medianoche.

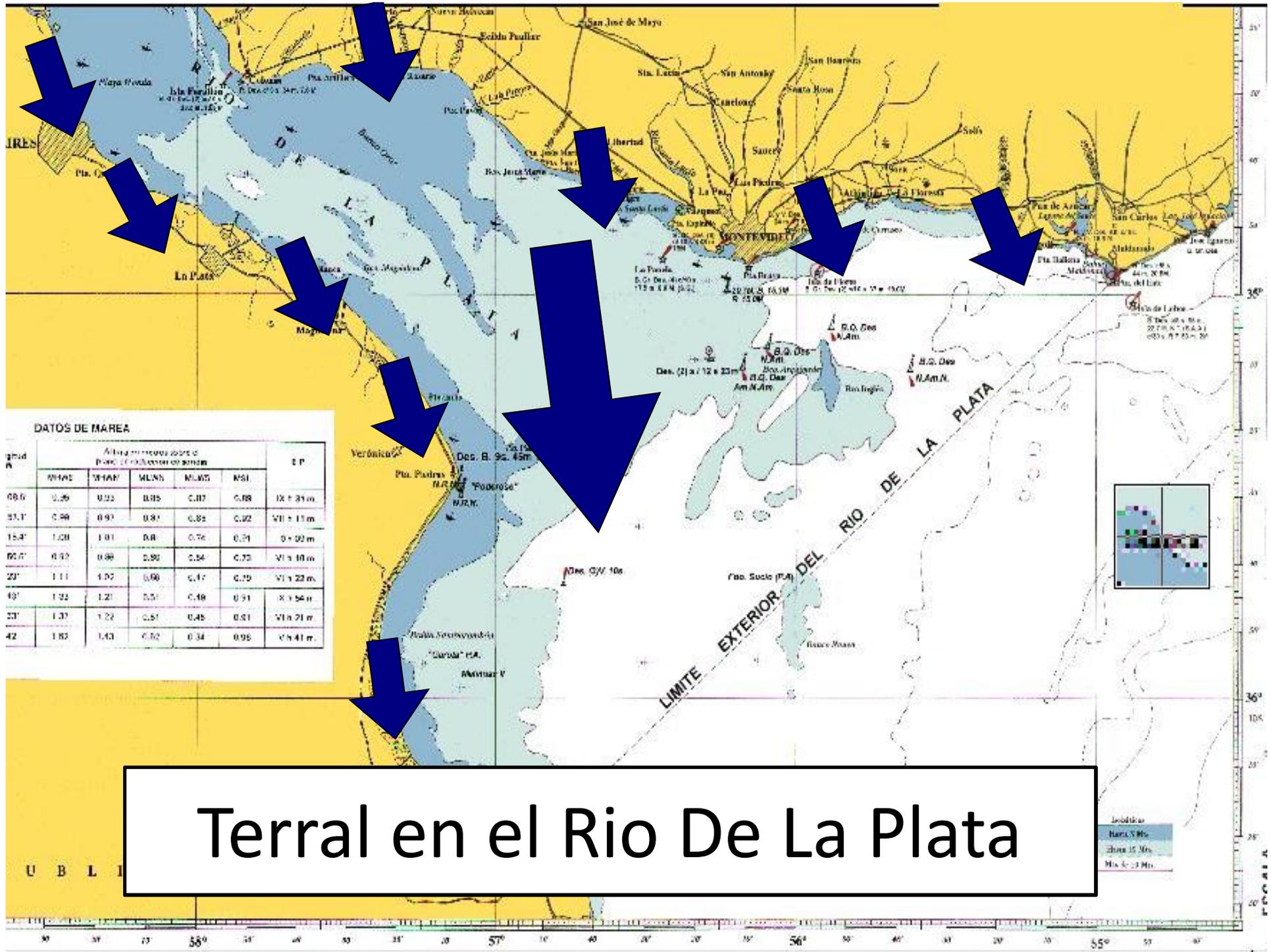
Franja de 20 millas  
náuticas



Terral: Entre la medianoche y la madrugada  
Calma al mediodía



# Brisa en el Rio De La Plata

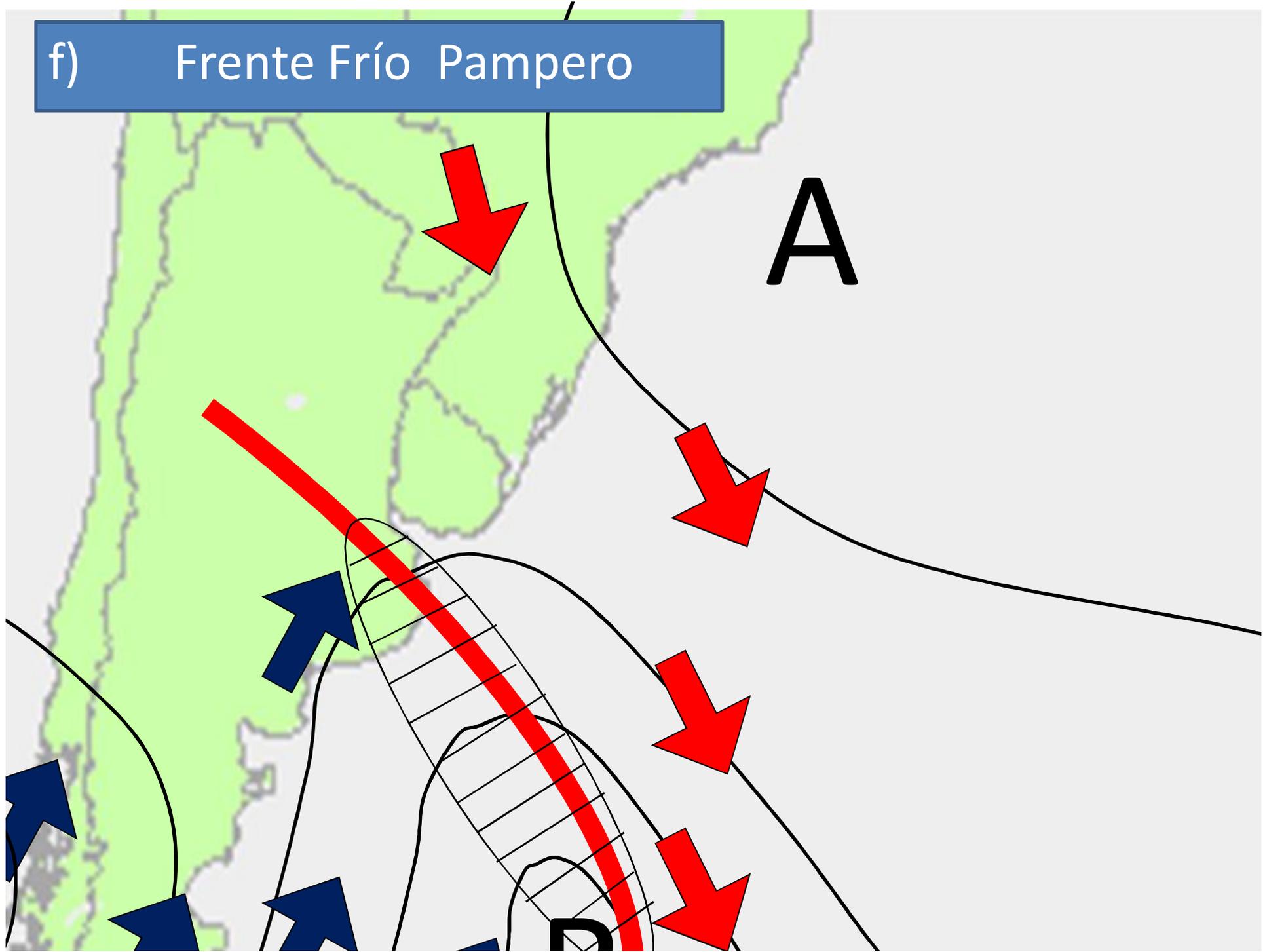


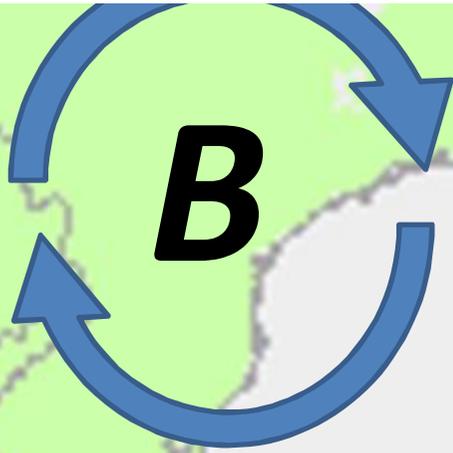
# Terral en el Rio De La Plata

## e) Centro de alta presión

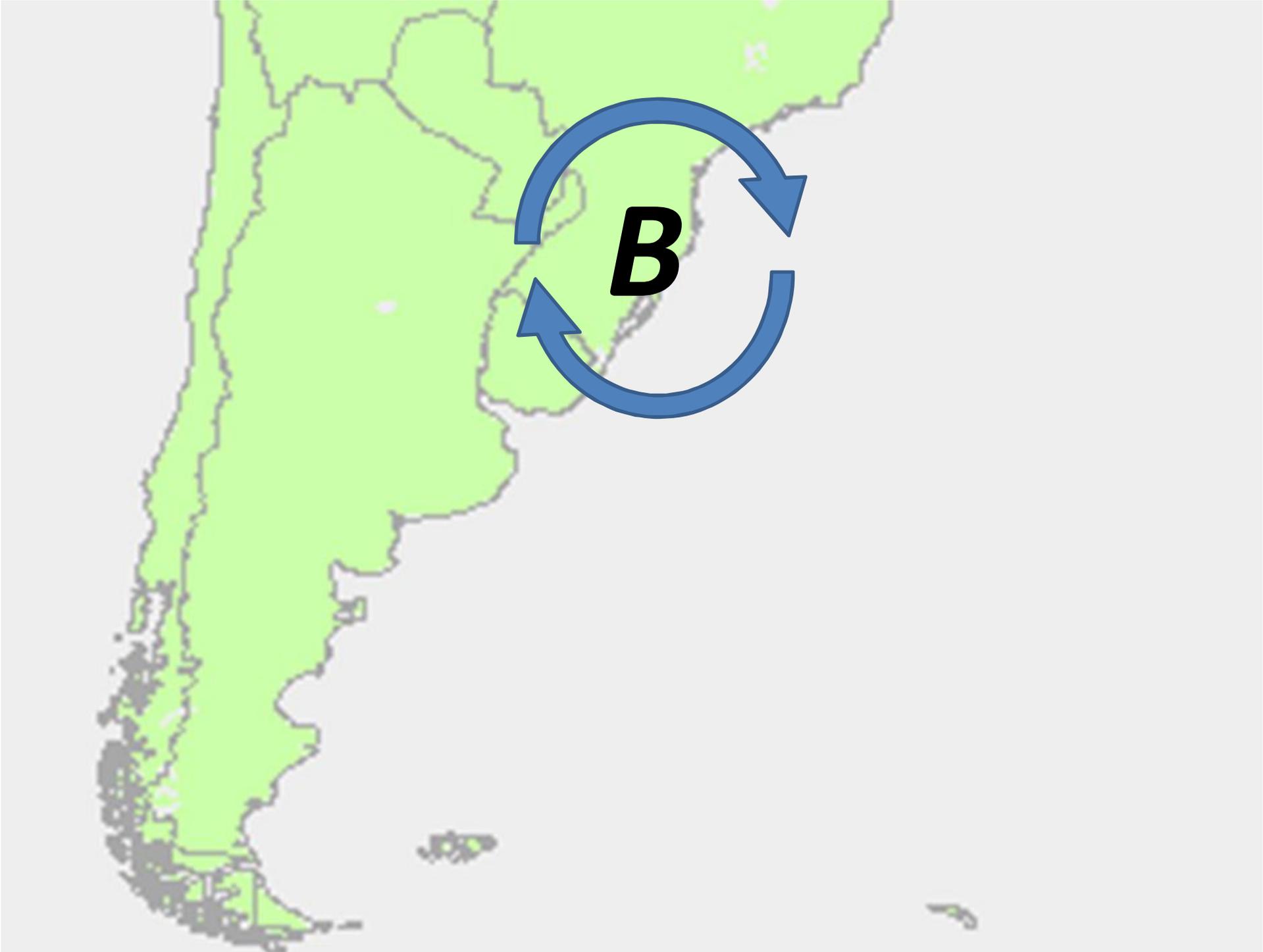


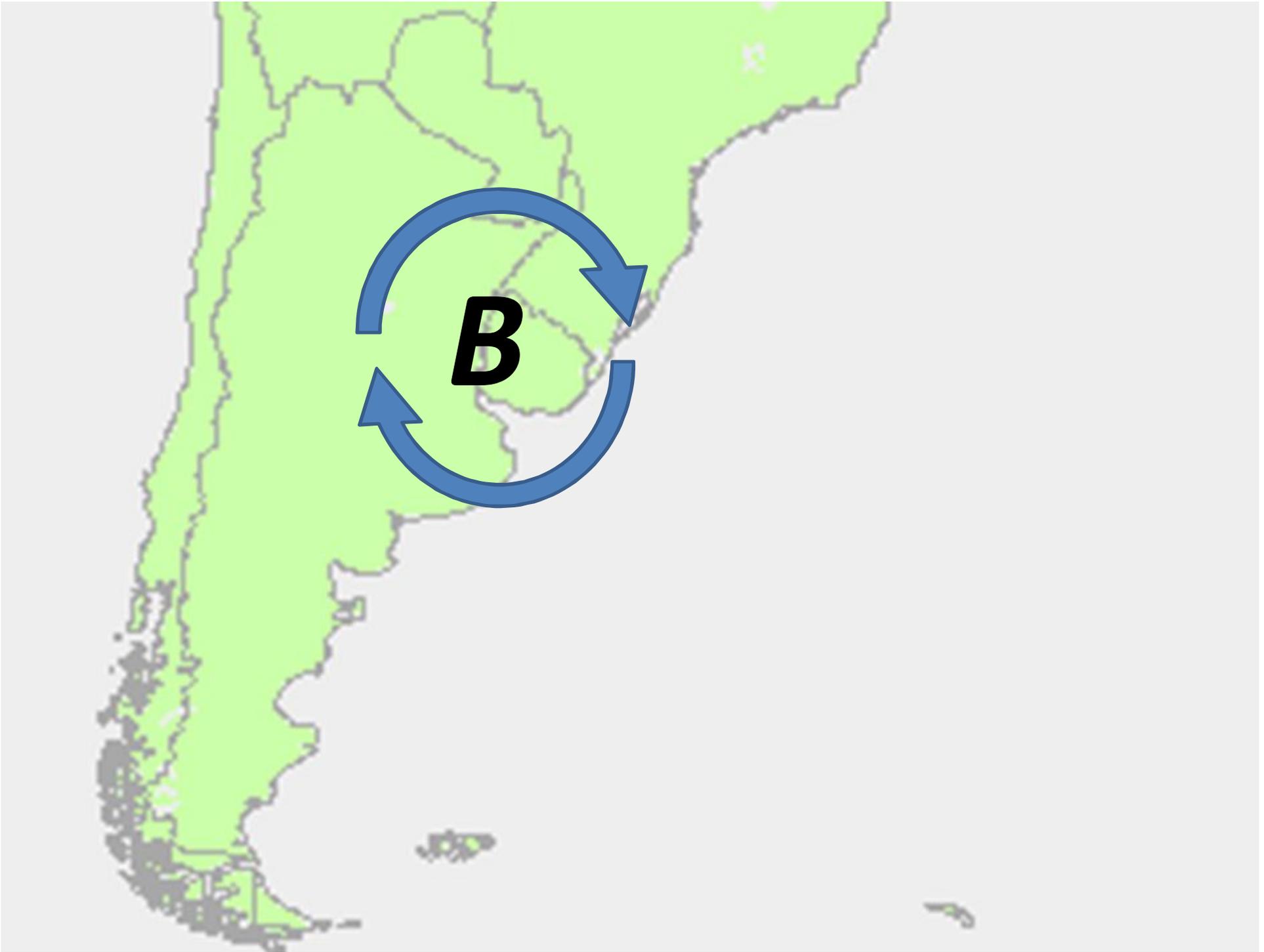
f) Frente Frío Pampero





a) Centro de Baja presión



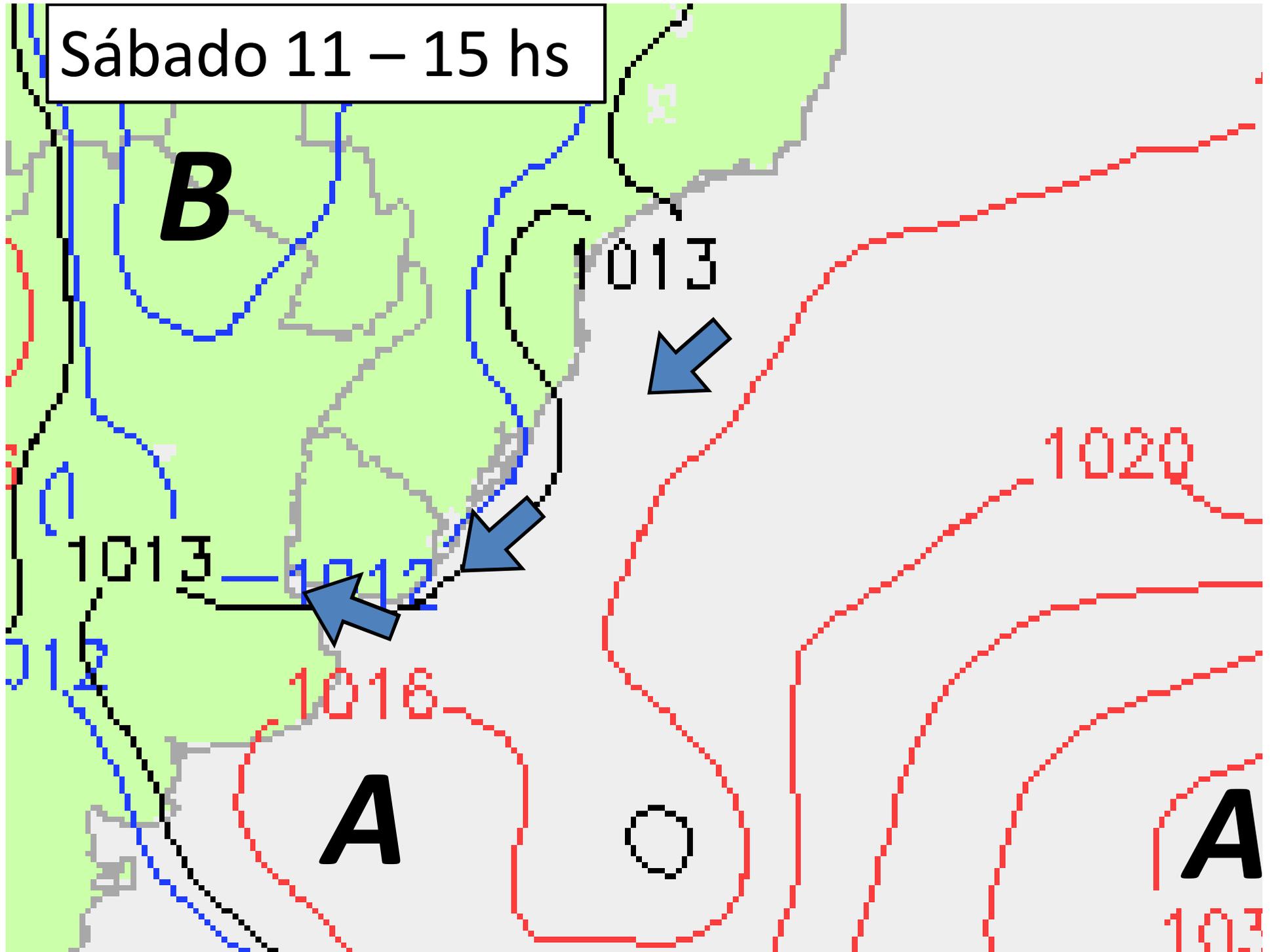


## h) Transición de las Altas

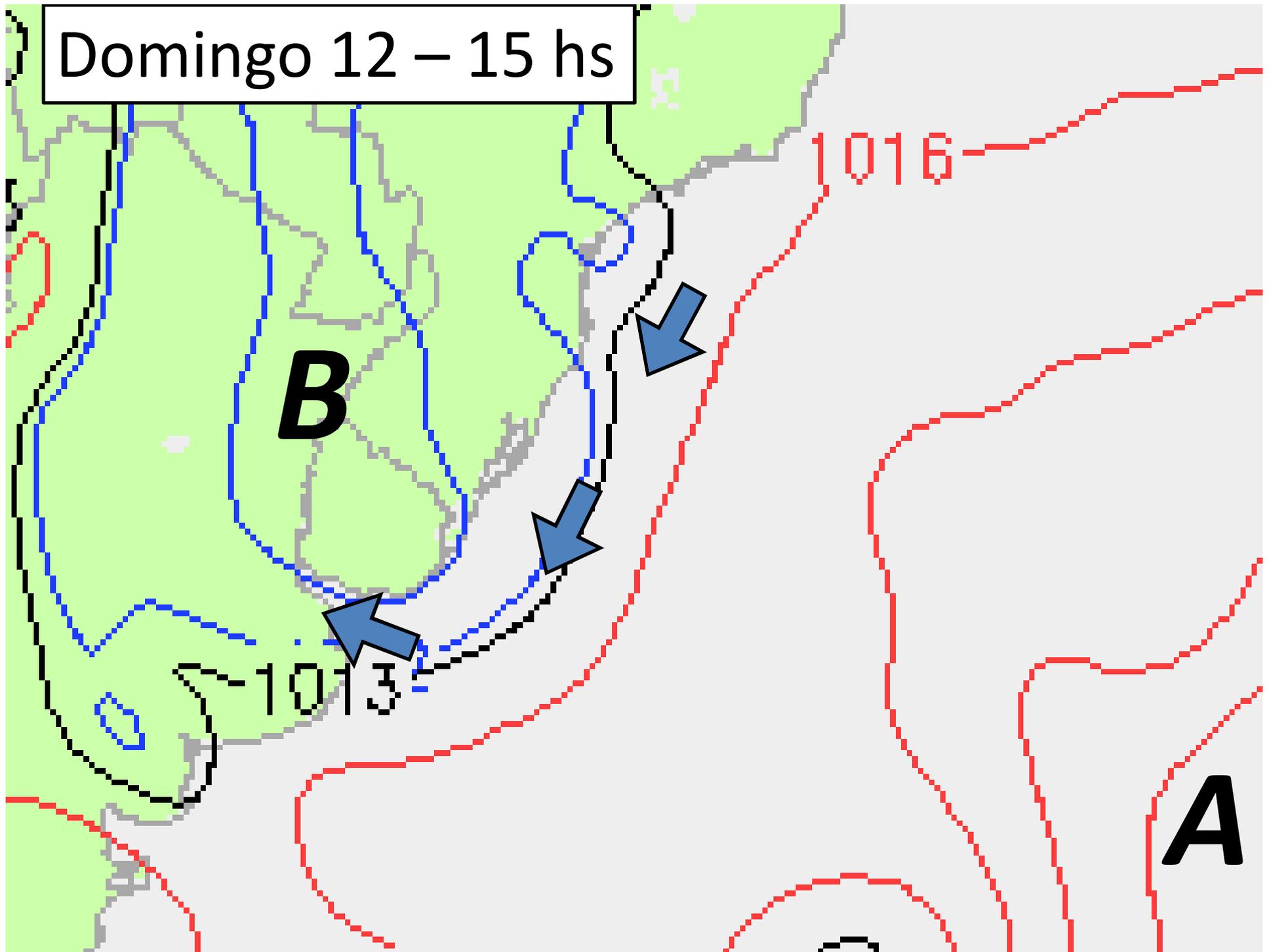


### 3) Pronóstico

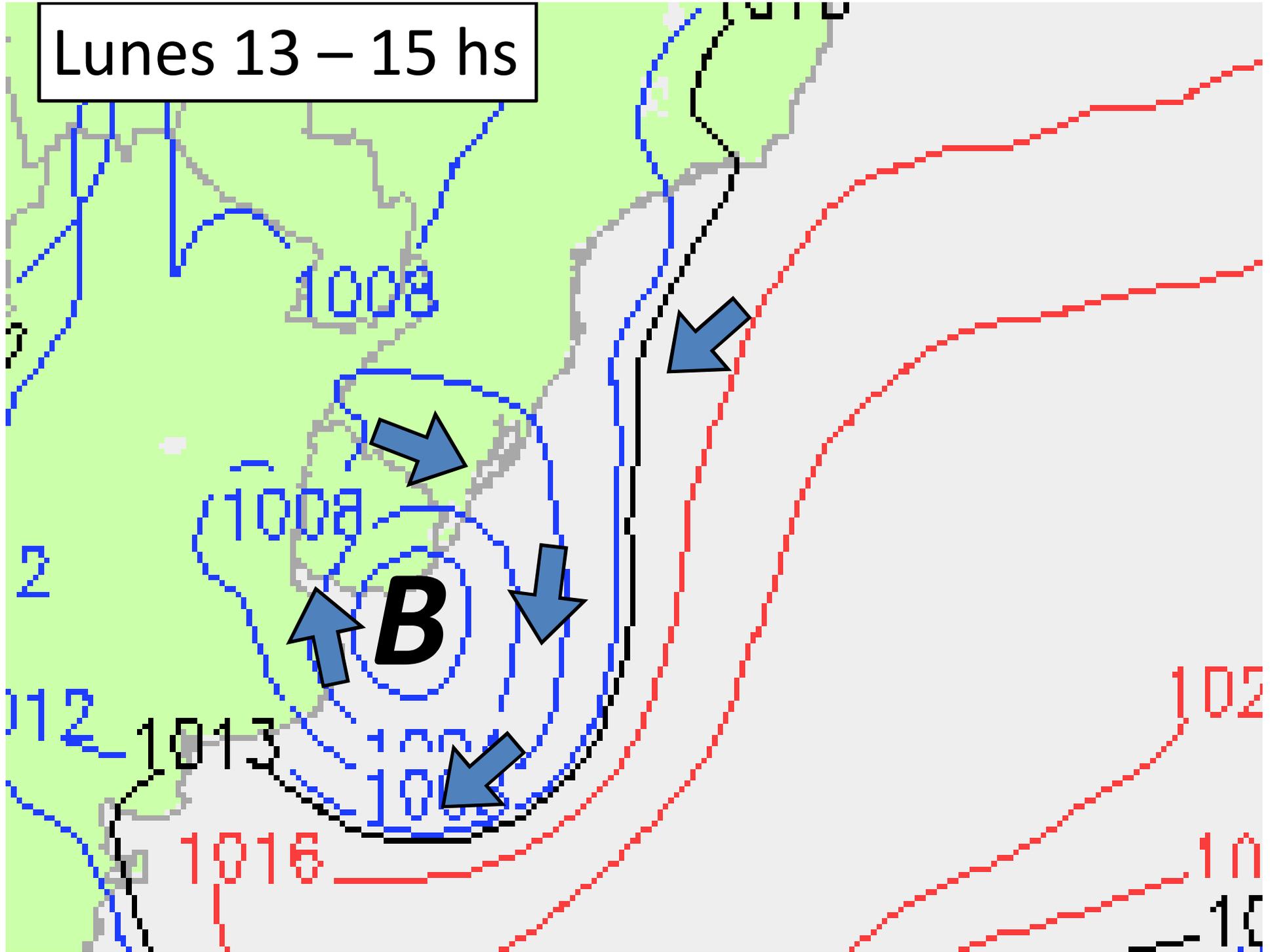
Sábado 11 – 15 hs



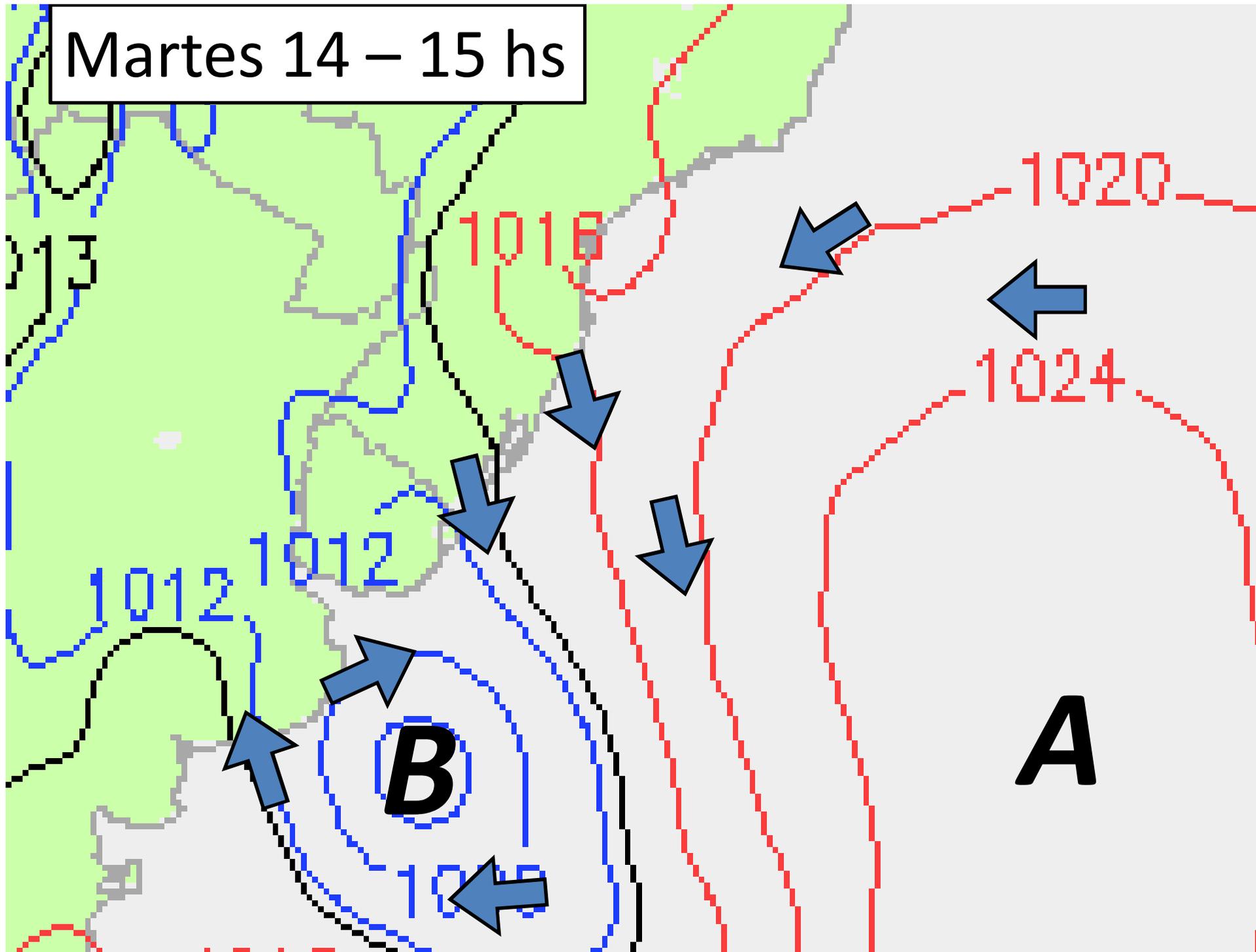
Domingo 12 – 15 hs



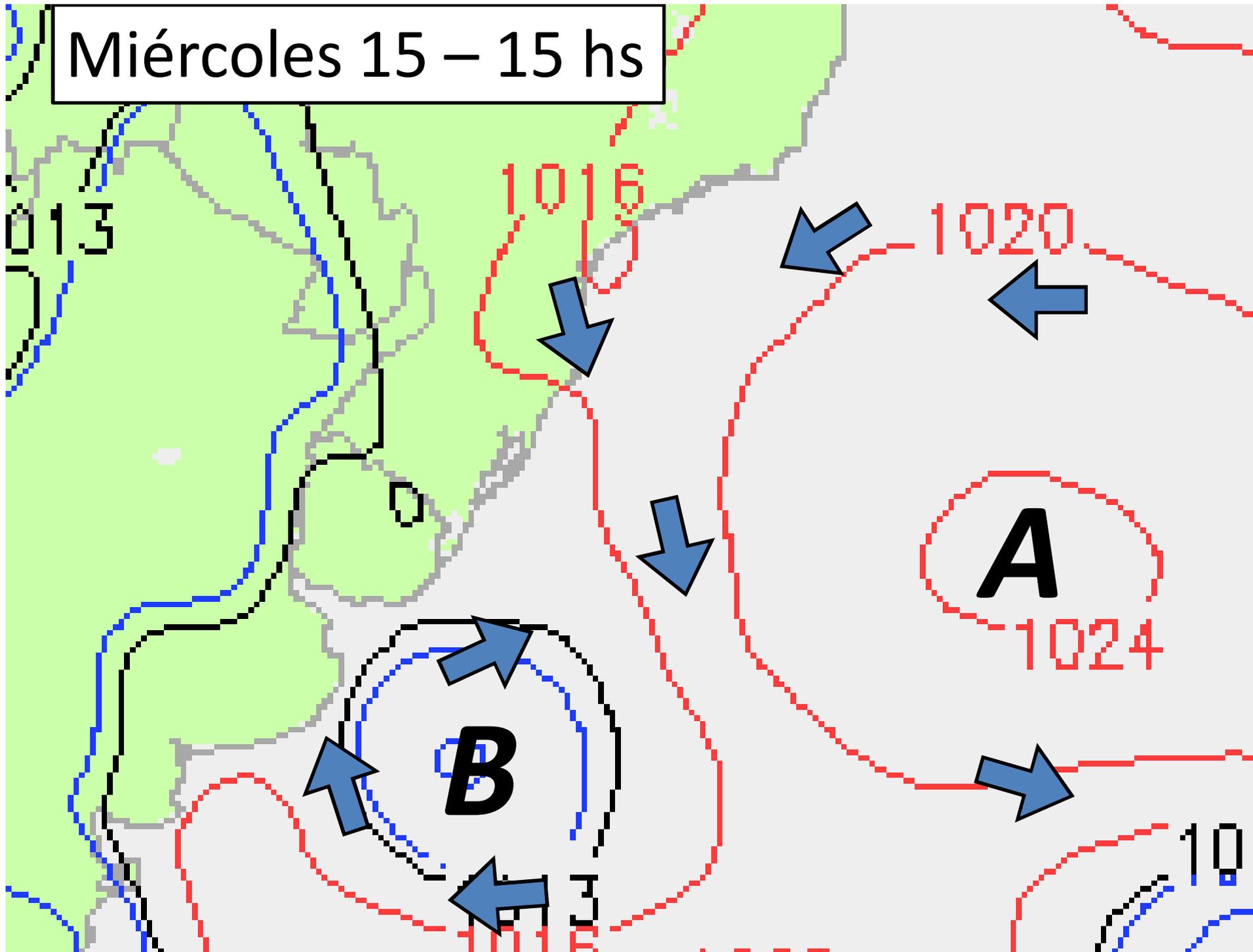
Lunes 13 – 15 hs



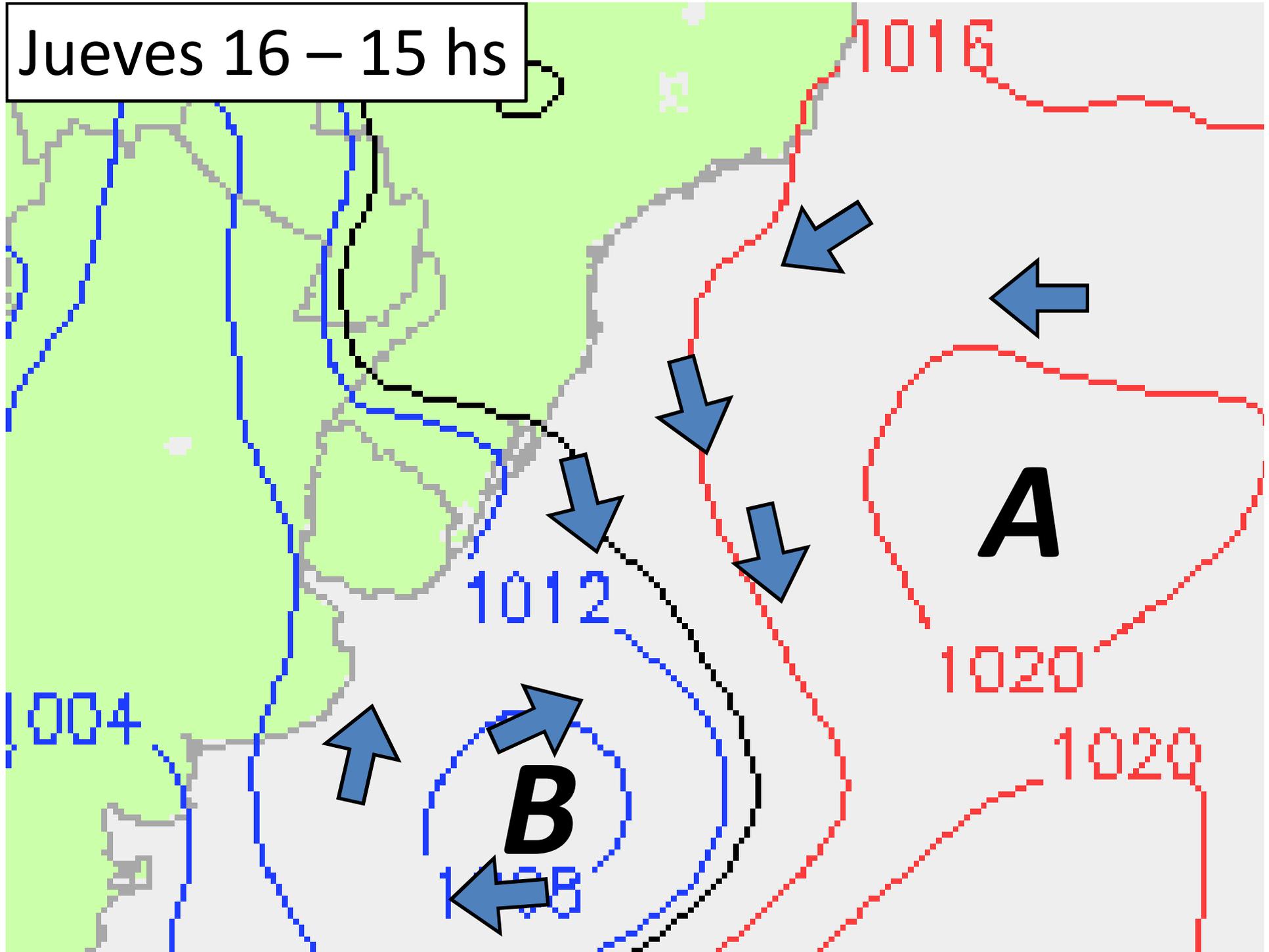
Martes 14 – 15 hs



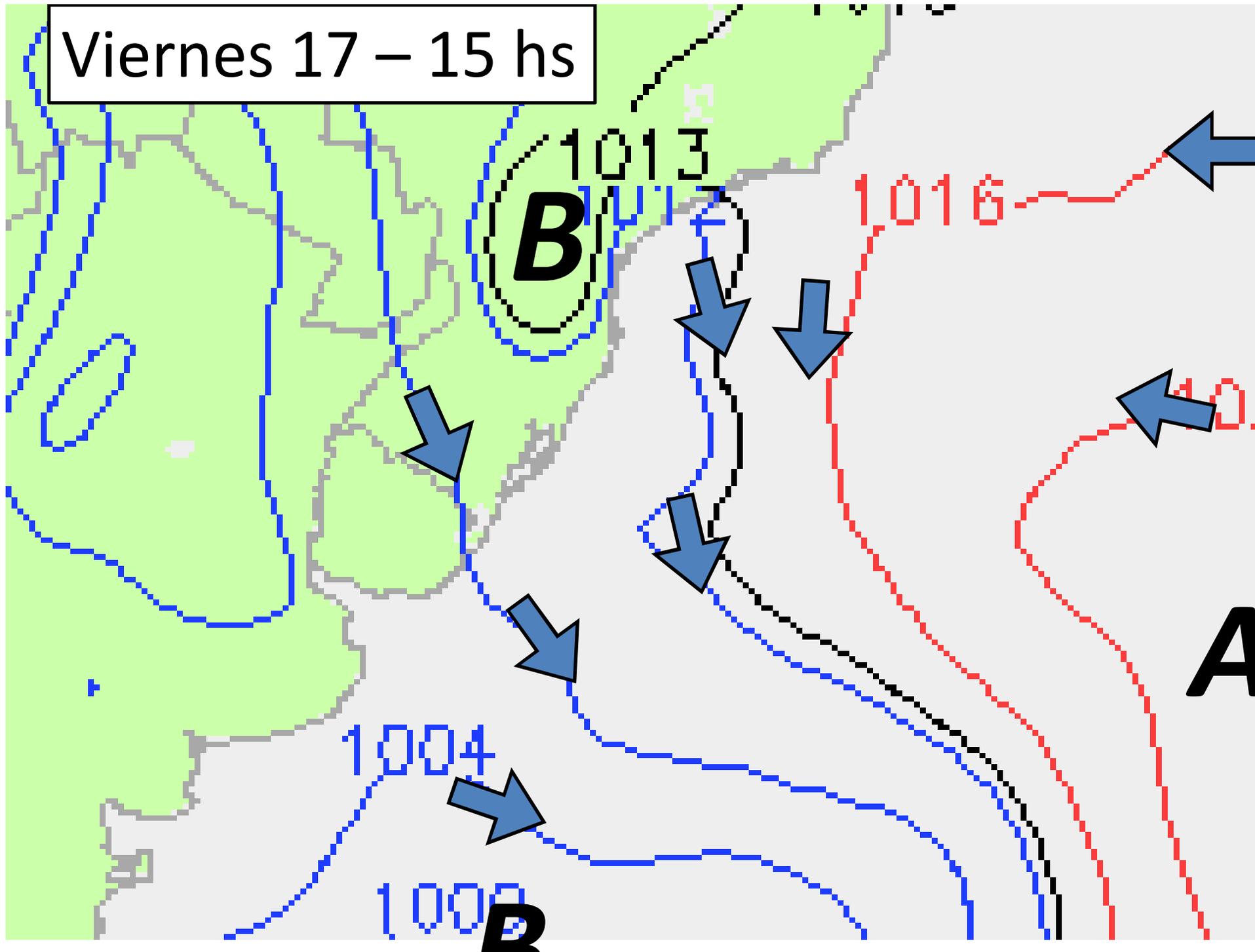
Miércoles 15 – 15 hs



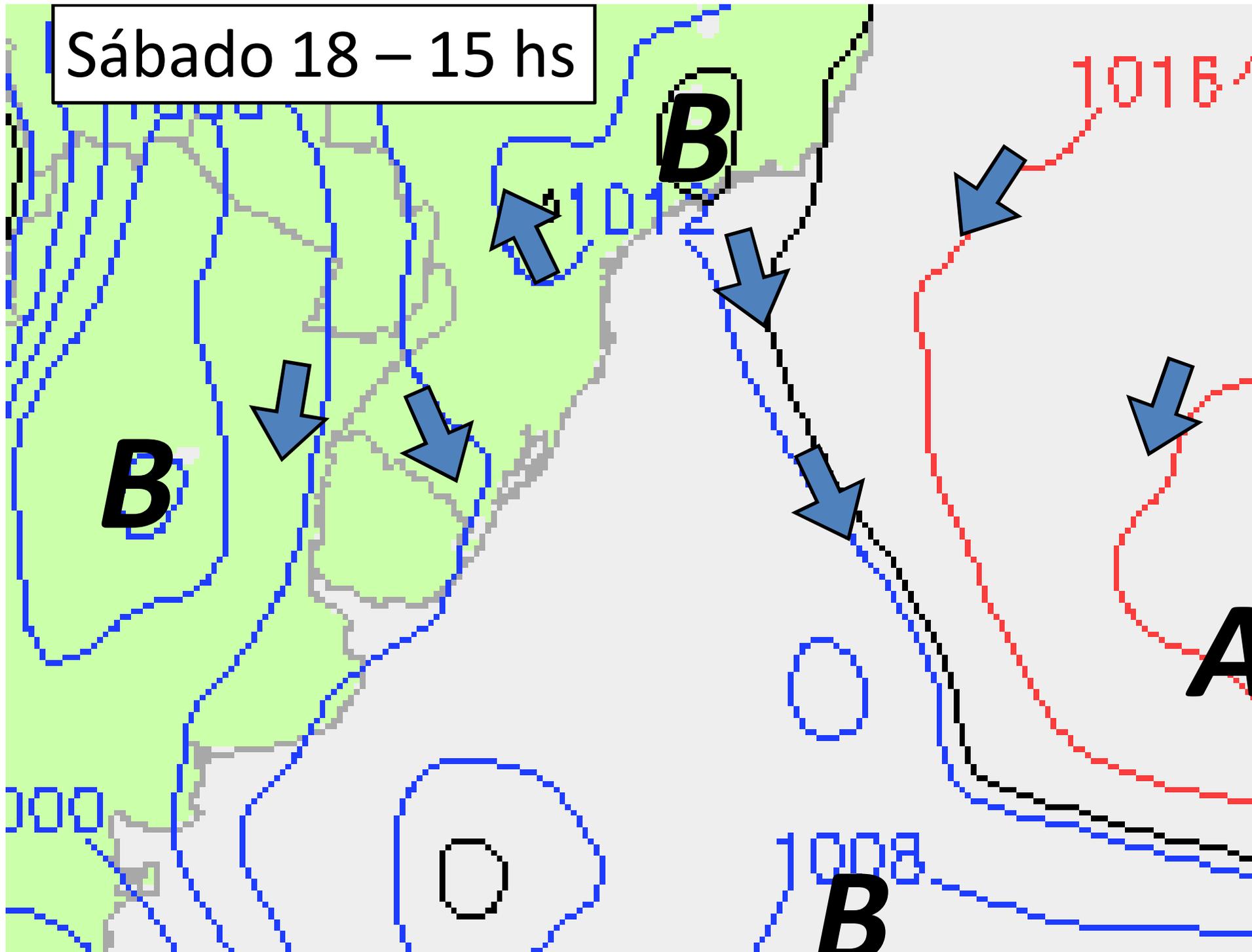
Jueves 16 – 15 hs



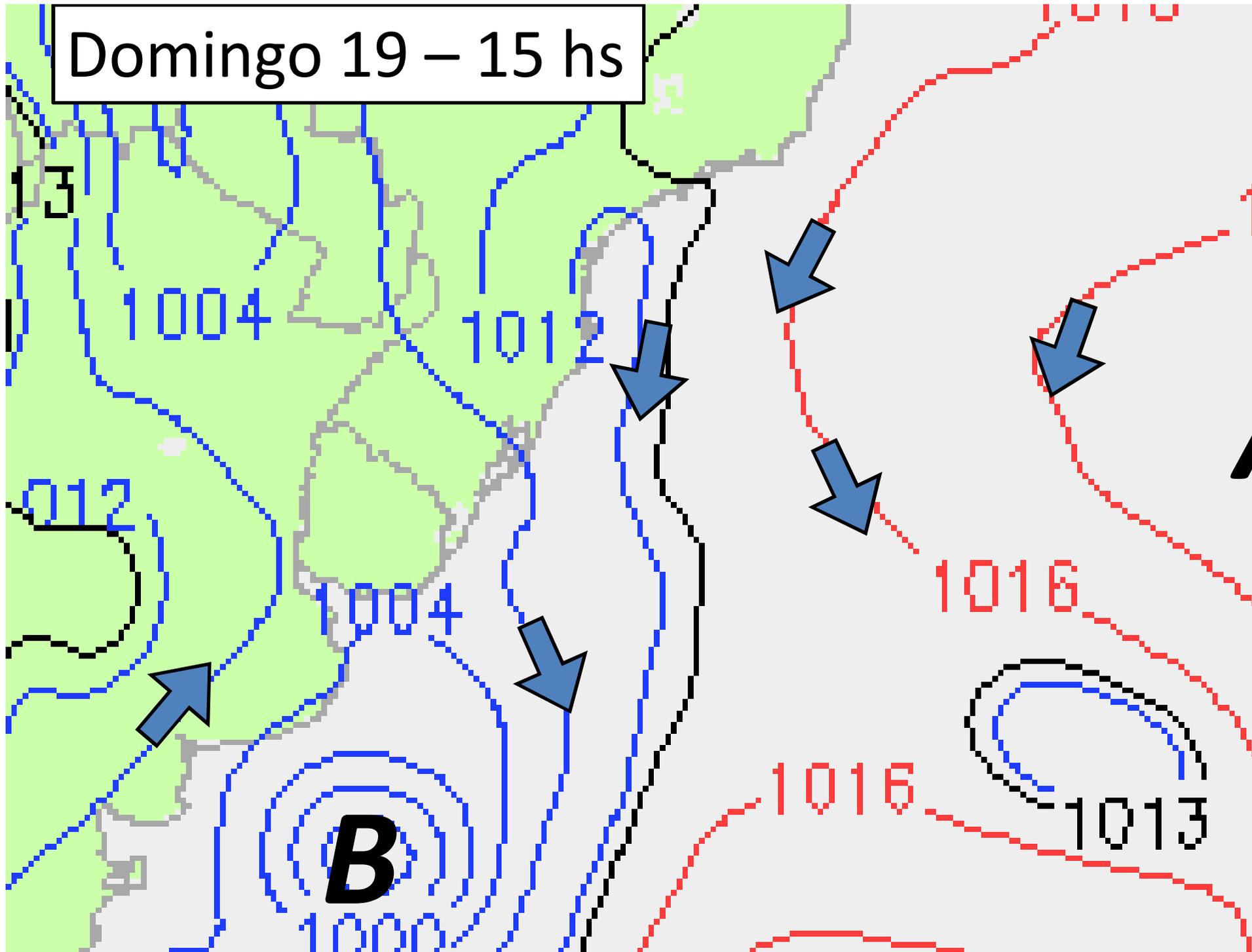
Viernes 17 – 15 hs



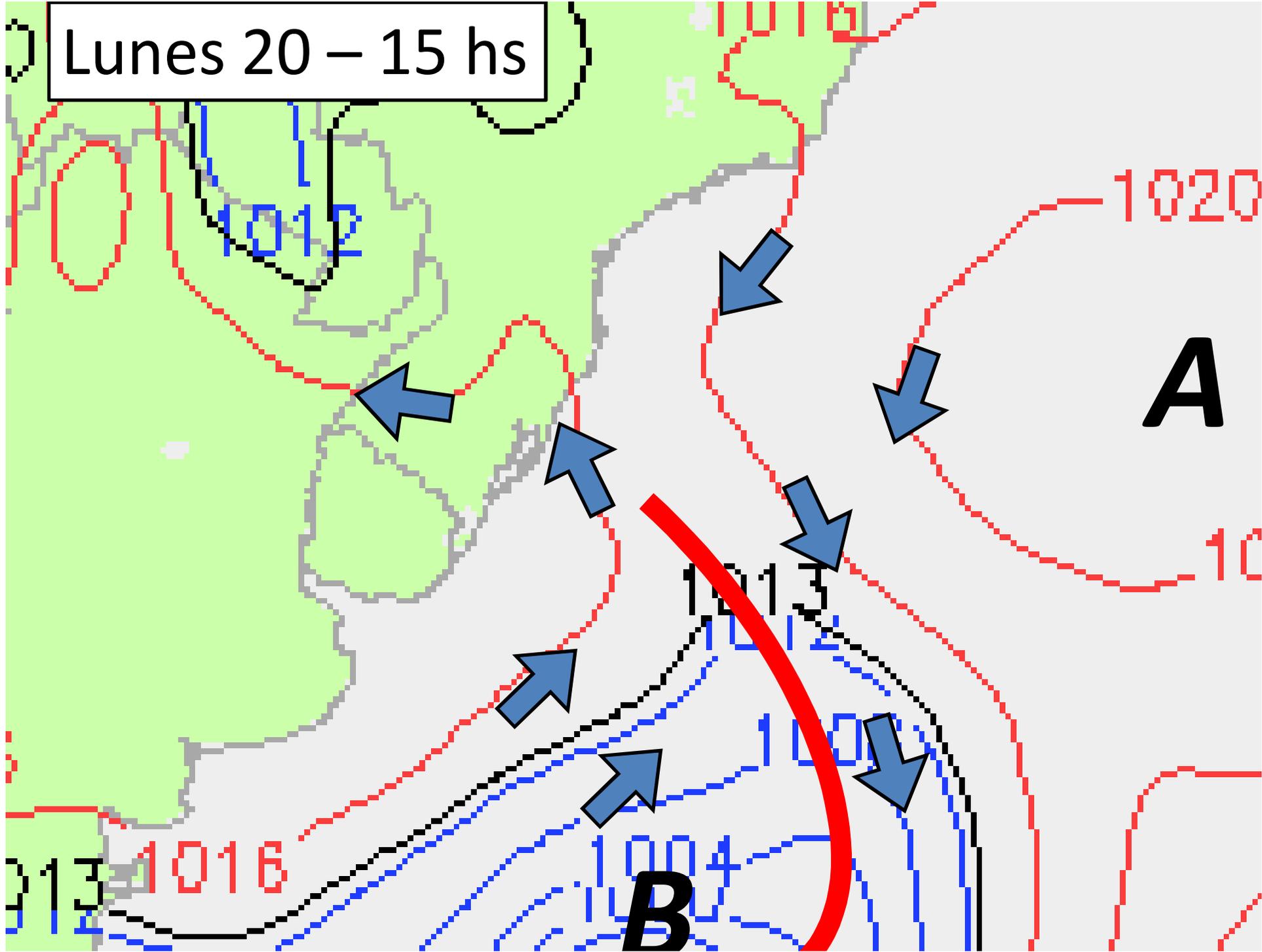
Sábado 18 - 15 hs



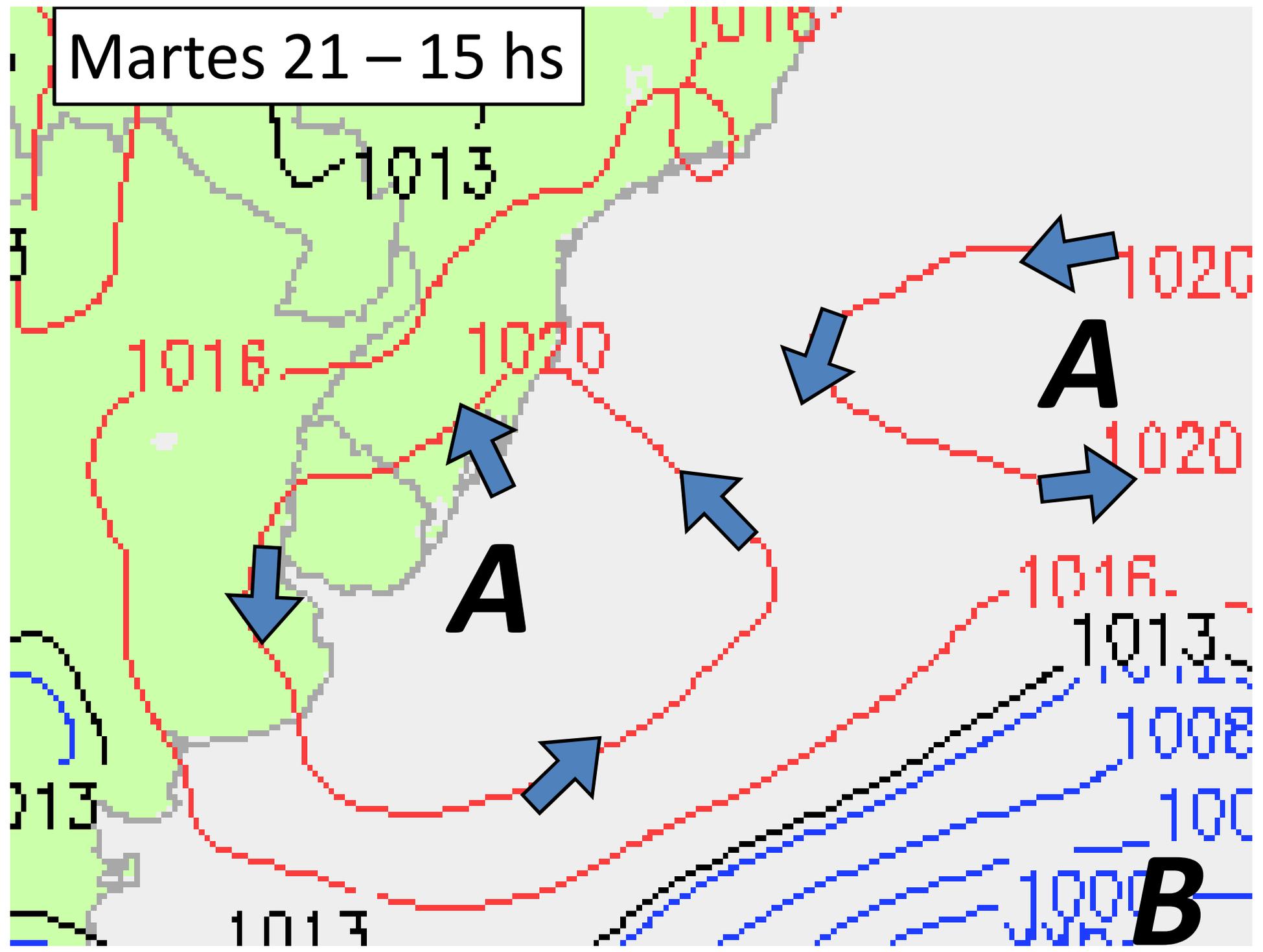
Domingo 19 – 15 hs



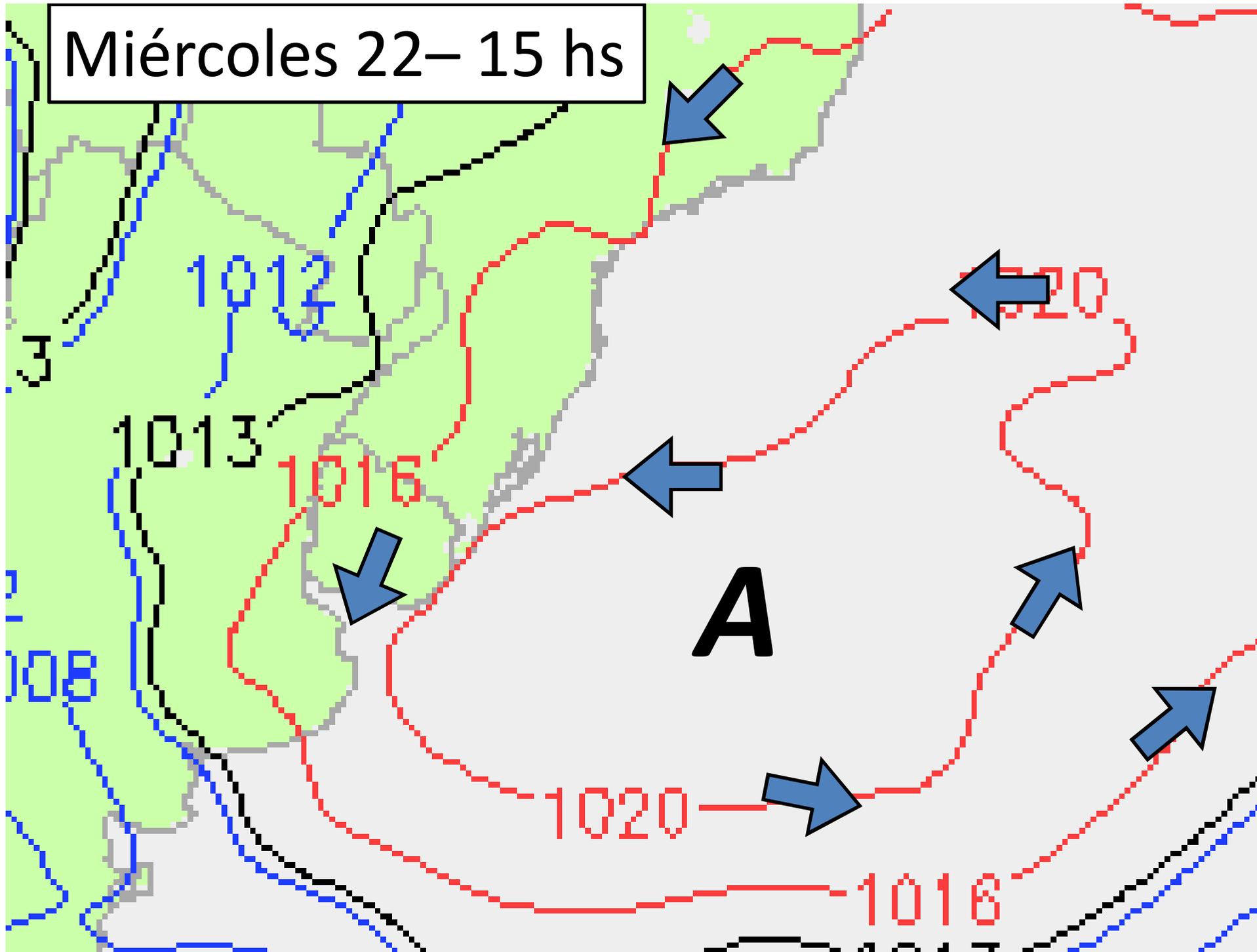
Lunes 20 – 15 hs



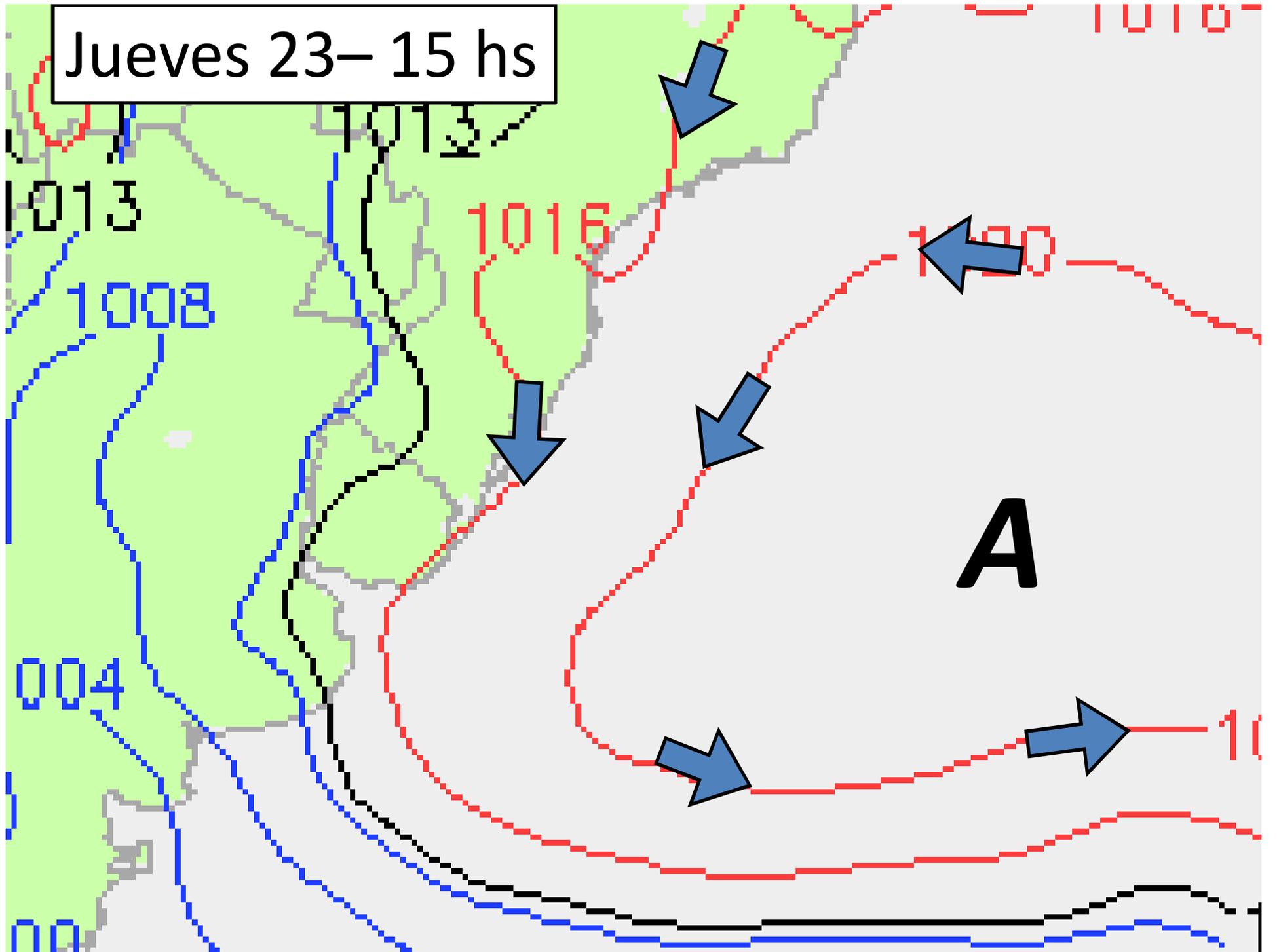
Martes 21 – 15 hs



Miércoles 22- 15 hs



Jueves 23- 15 hs



Viernes 24- 15 hs

