

# 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

Home

Aplicación

Escuela Y.C.A. ▾

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Links

Contacto

Meteorología CHINONAUTICO

Escuela de náutica Y.C.A.

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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



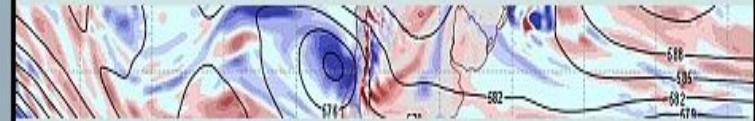
## A ) Mapas de predicción

### 1. Isobaras Sudamérica - GFS



TIPS

### 2. Isohipsas - GFS



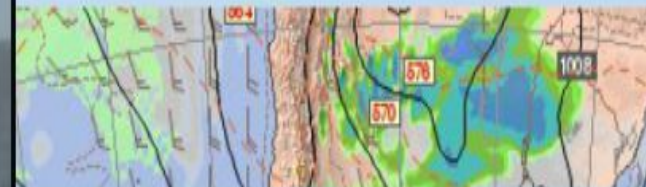
TIPS

### 3. Pronóstico a 10 días



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

### 4. OGIMET



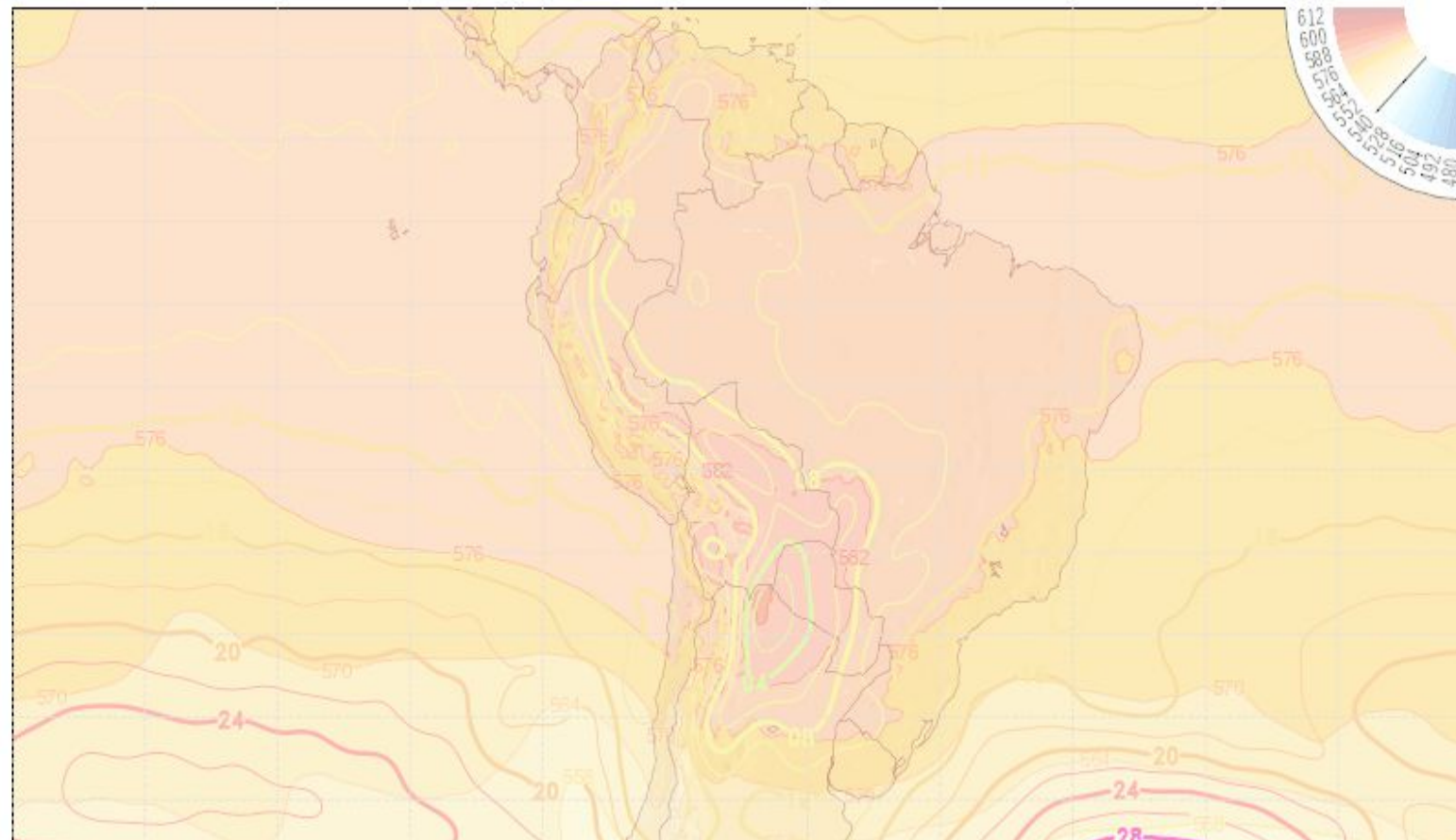
Isobaras, isohipsas, dirección e intensidad del viento, nubosidad y precipitación.

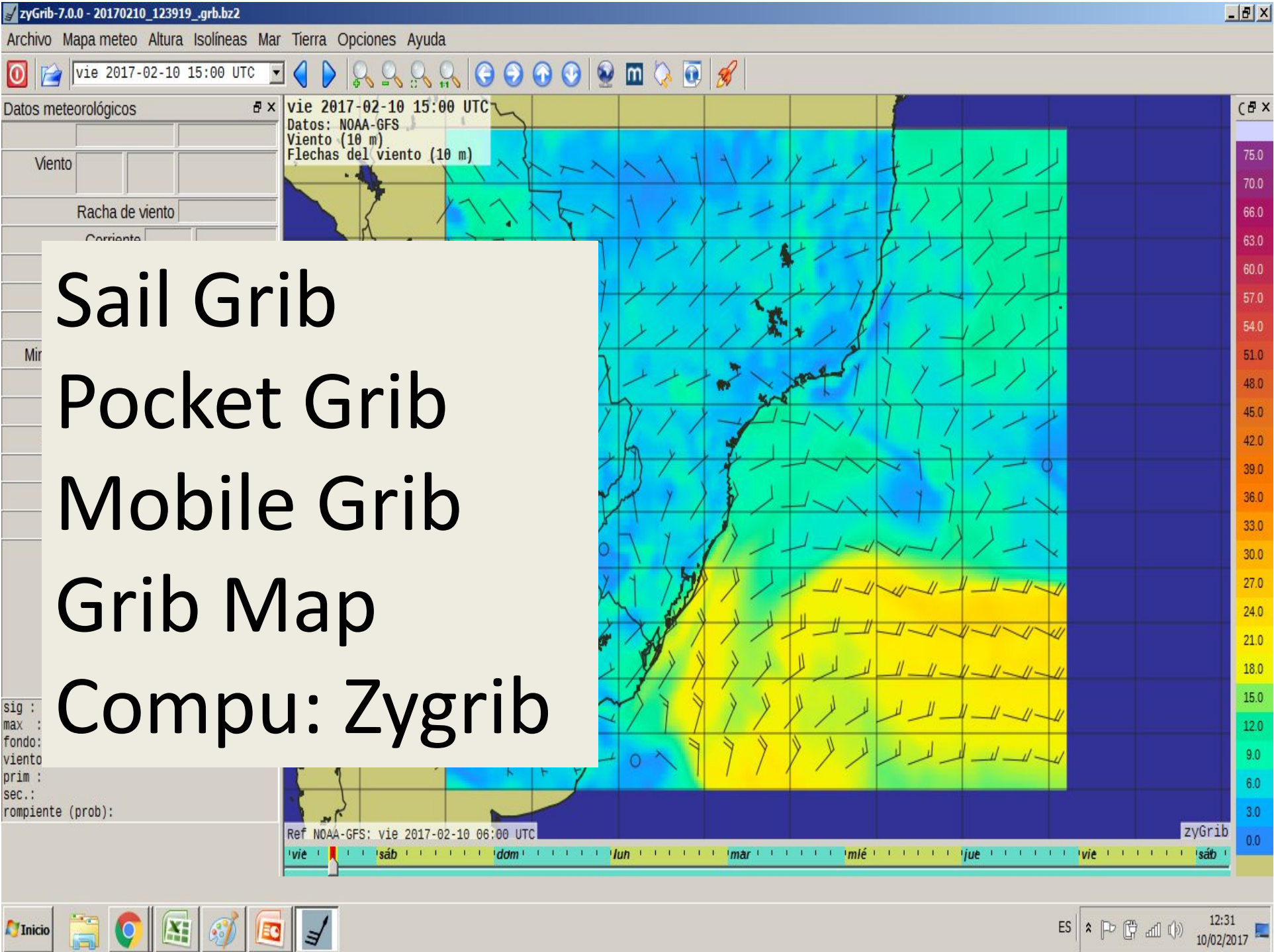


# GFS Medium Range Forecasts of Sea Level Pressure and 1000-500mb Thickness

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



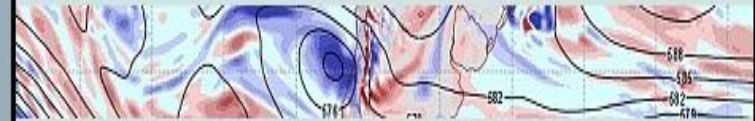
## A ) Mapas de predicción

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TIPS

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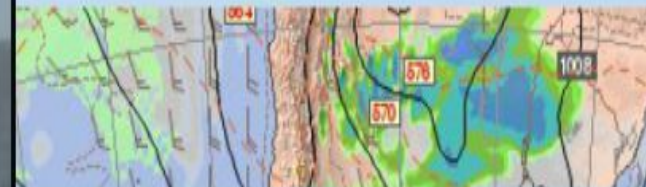
TIPS

### 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
- Japan
- World Mediterranean
- Northern Hemisphere Mediterranean east
- Southern Hemisphere New Zealand
- South America/Antarctic Poland
- Atlantic (North) Russia
- Atlantic (South) Scandinavia
- Pacific (NE) Spain
- Pacific (SE) 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 Ensemble Analysis Soundings Reanalysis

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

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
panel 1	panel 2				panel 3				panel 4															

Mo 20.02.06 GMT

Microsoft SQL Server

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

Installed by 500.000 VMware | Hyper-V admins

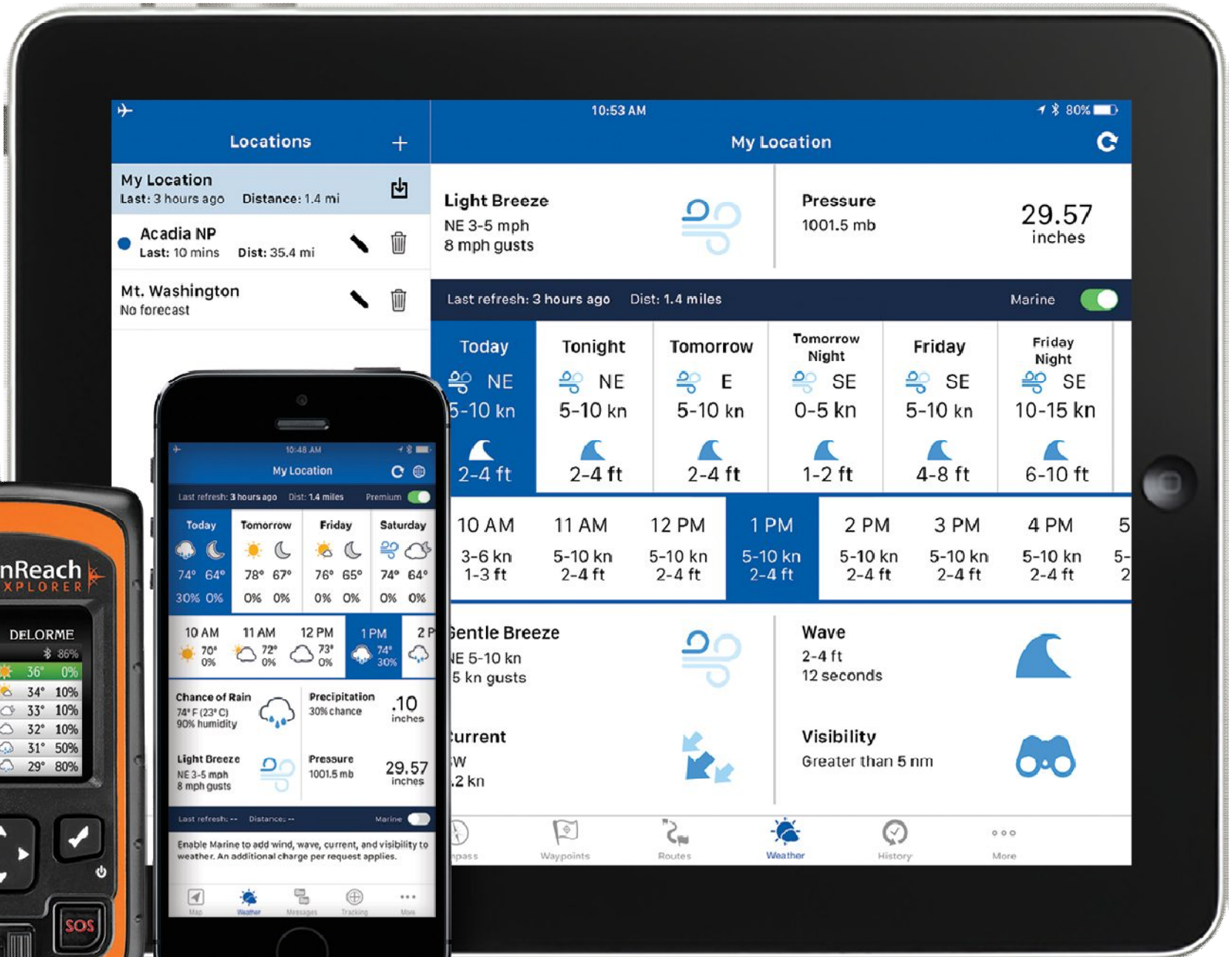
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**veeam**

# Actualizando







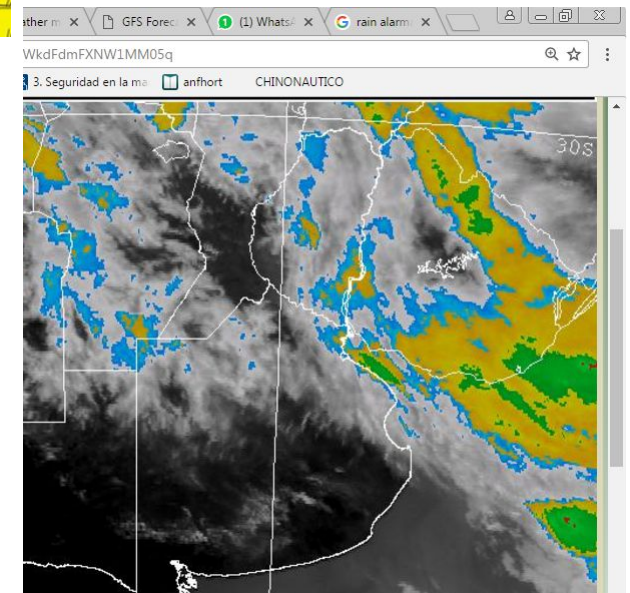
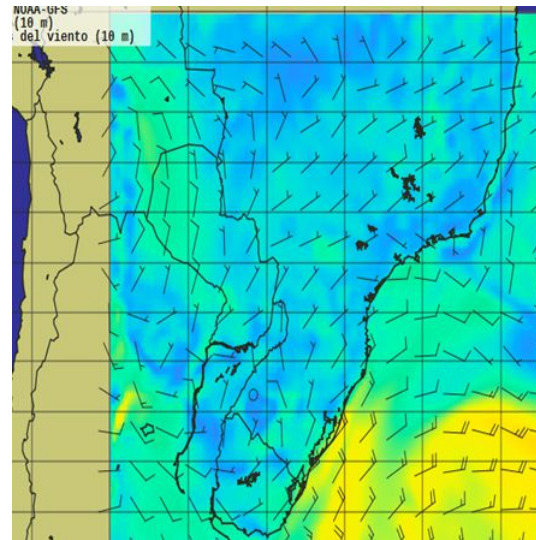
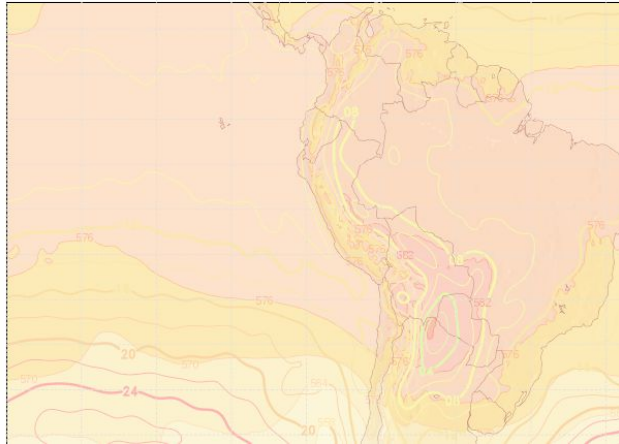
Premium (Non-marine)

Premium (Marine)

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

Issued: See Image Titles for Initial and Valid Times

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## B) Imagenes de Satelite

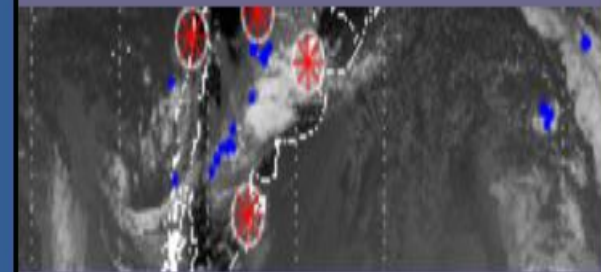
**Para los Tips de interpretación pulsar aquí.**

### 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

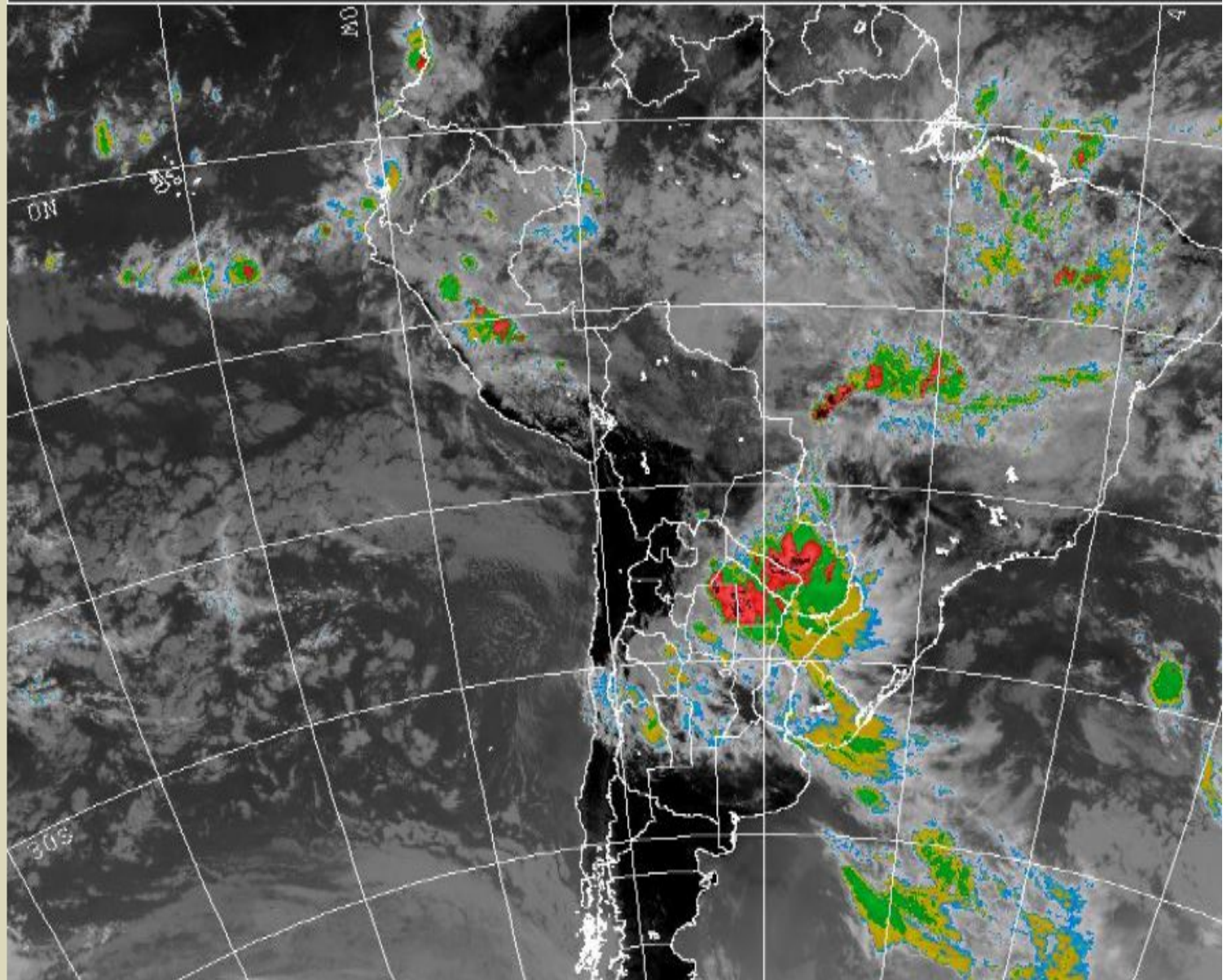
- ▶ Topes Nubosos

Los colores corresponden a los siguientes umbrales de temperaturas



Ref

goes-13 2017/02/10 14:45:27 SMN - Argentina





## 5. Rain Alarm



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

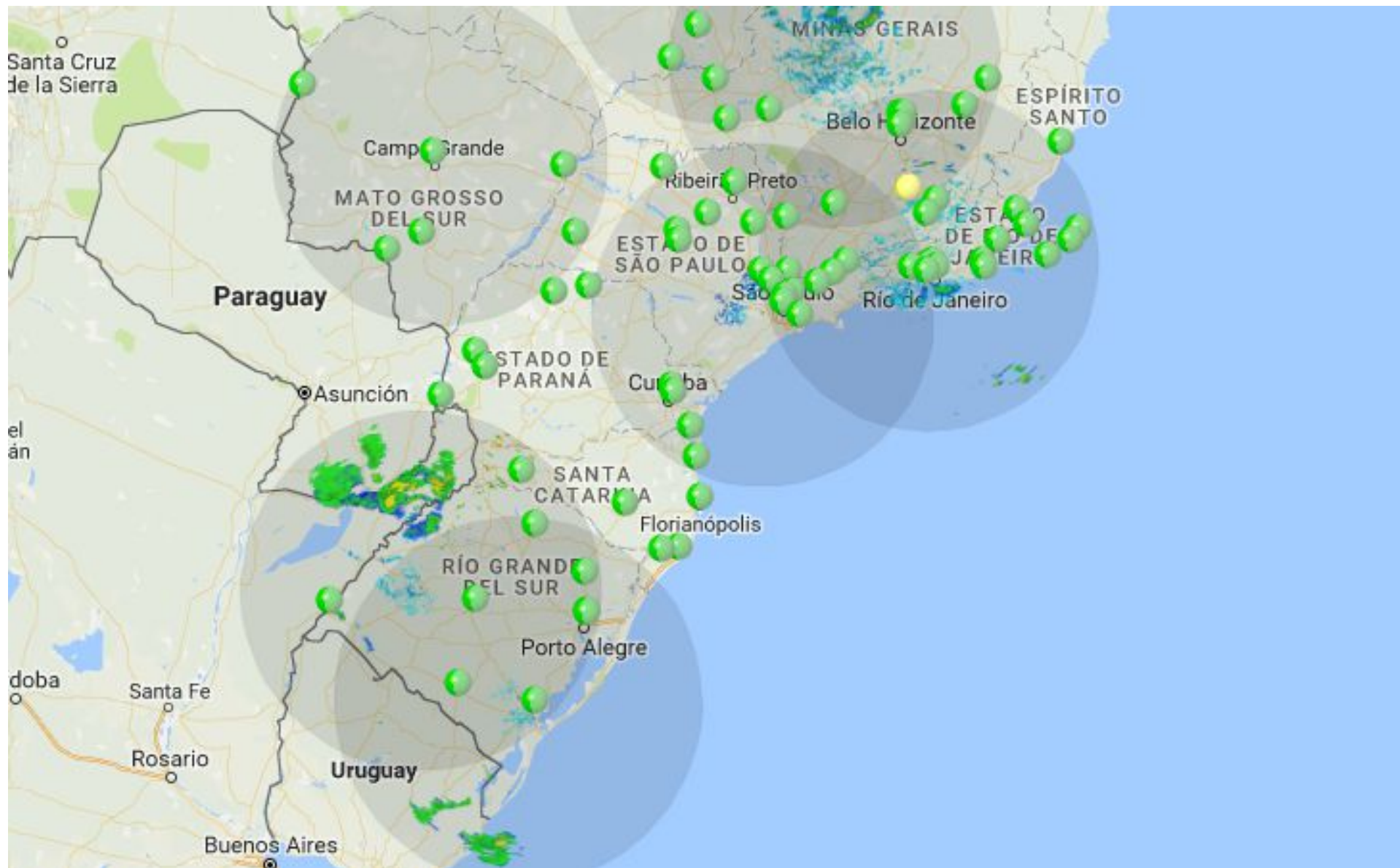
## 7. Radar Redemet Brasil



## 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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- Enterprise
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- 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

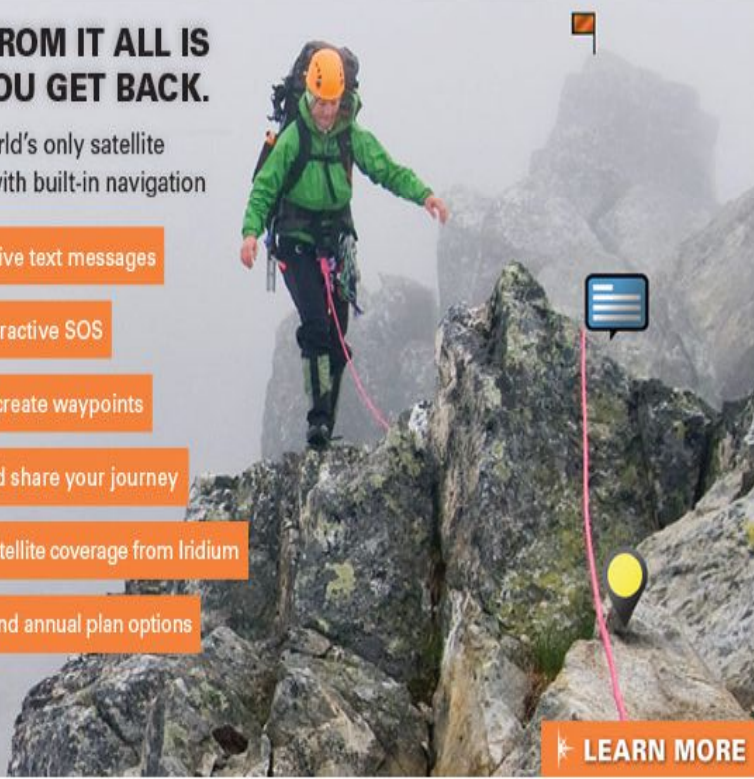
## inReach Explorer 2-Way Satellite Communicator



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

inReach Explorer – the world’s only satellite communicator with built-in navigation

- Send and receive text messages
- Trigger an interactive SOS
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1:53 PM



84%



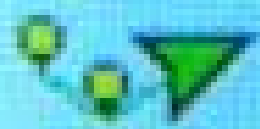
Routes



Tracking



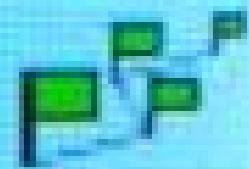
Social



Map



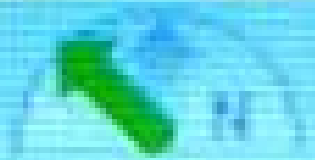
Messages



Waypoints



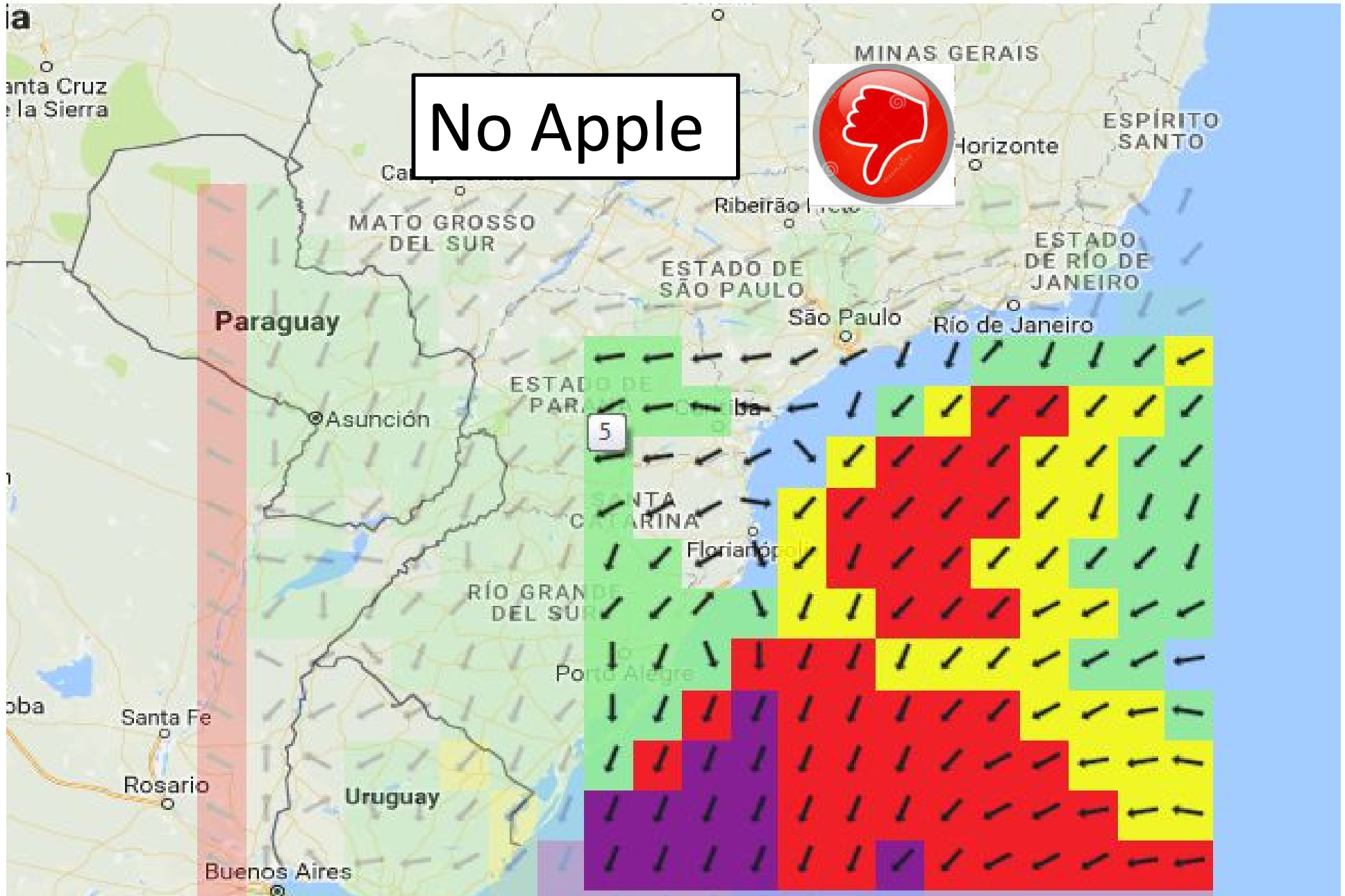
Weather



Compass



SOS







## Earthmate – GPS with Topo Maps

DeLorme Publishing, Inc

Para todos

INSTALAR

Diseñada para teléfonos



Descargas



458 ▲



Viajes y guías



Similar

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# Play Store

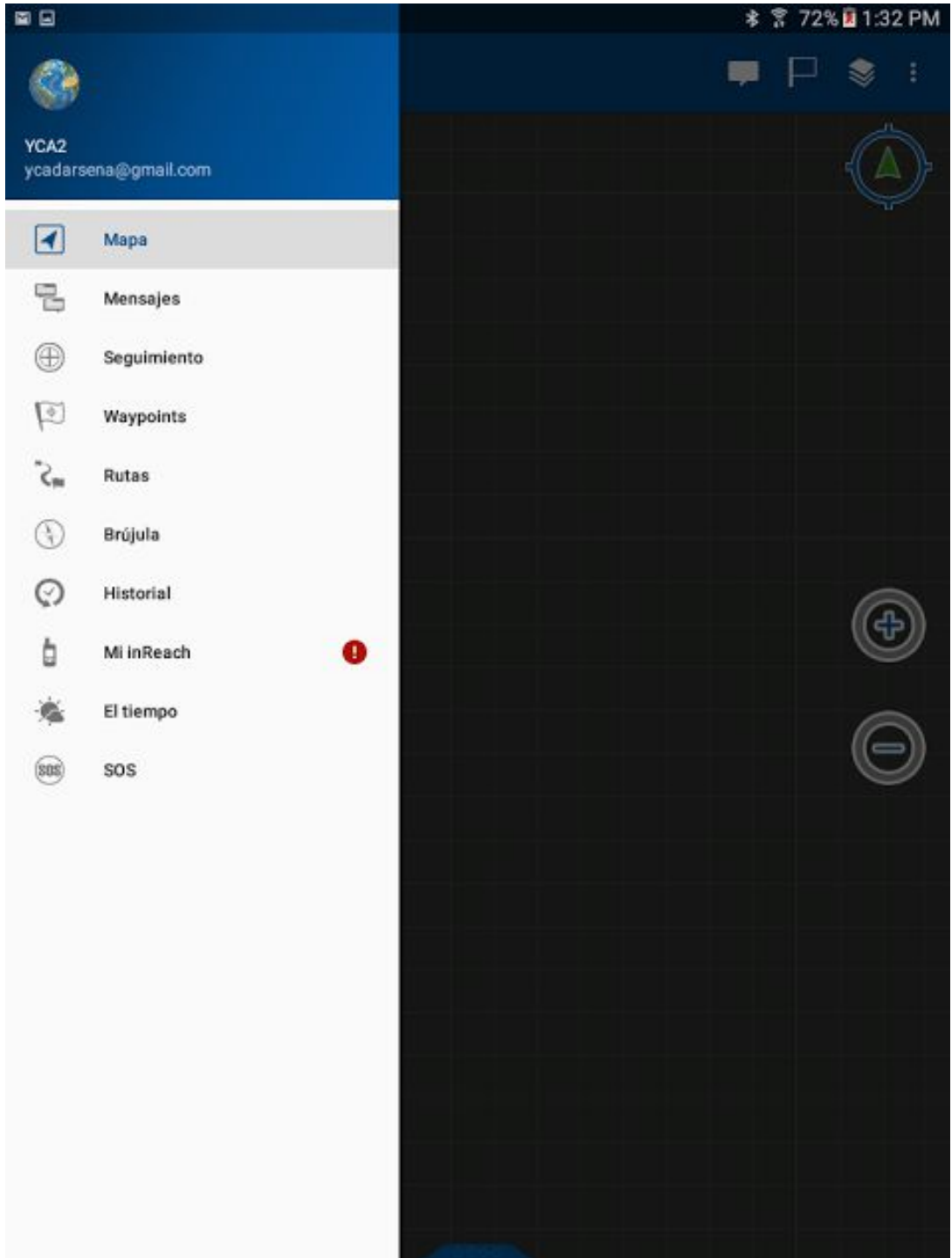


## SmsGrib

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

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Enviado desde  
chinonautico@gmail.com

6:15 PM  
7 de febrero de 2017

- Reenviar
- Sincronización
- Desvincular
- Configuración
- Ayuda

A 

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

152/160  
ENVIAR



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**SMSGRIB**

---

Ingresar el código de hasta 140 caracteres:

Enviar



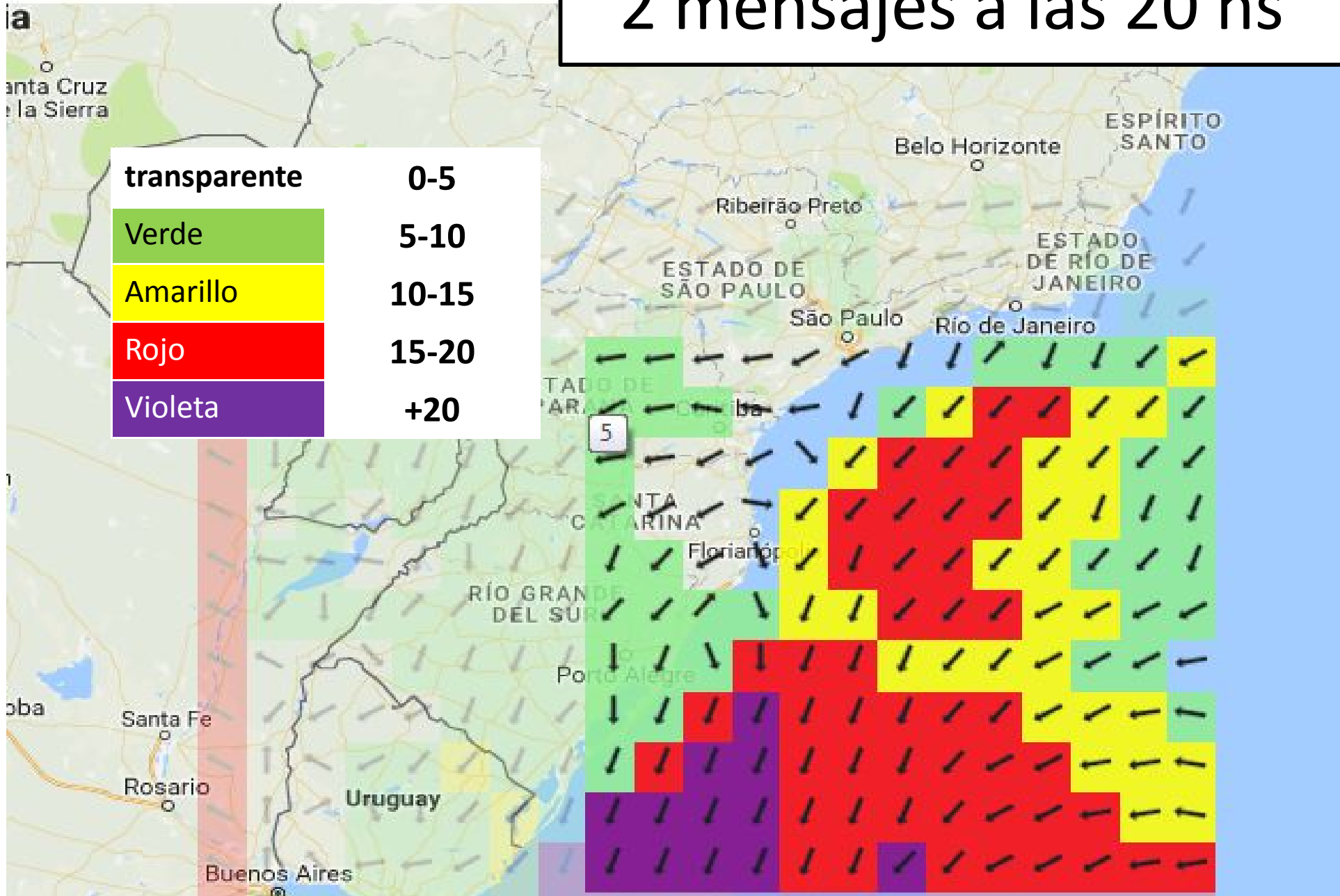


Ingresar el código de hasta 140 caracteres:

```
,*!!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.

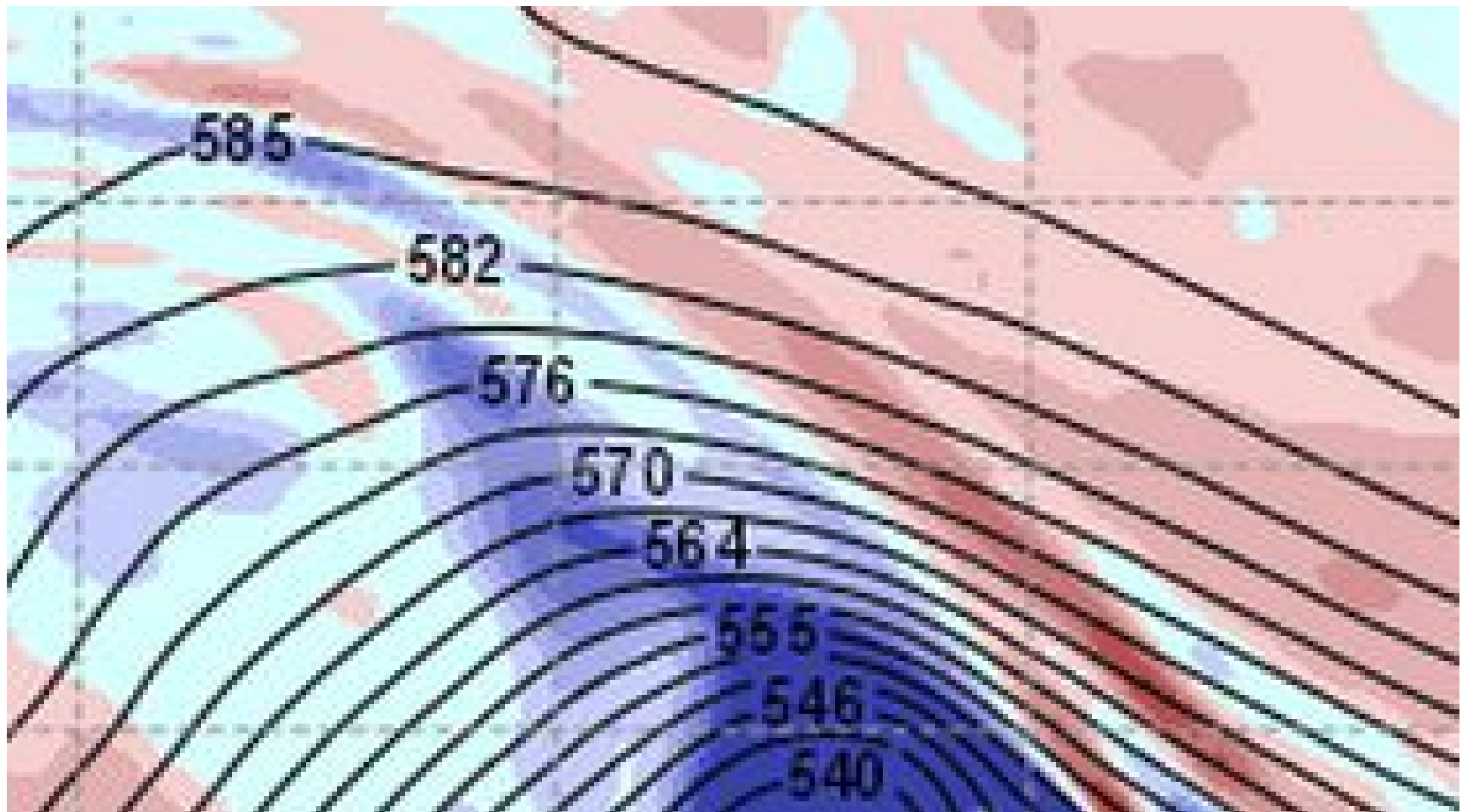
- a) Desplazamiento natural de los sistemas
- b) Inestabilidad en capas medias
- c) Diferencia en la TSM, corrientes marinas
- d) Fenómeno térmico local - Brisa y Terral
- e) Centro de Alta presión
- f) Vaguada - Frente frío - Pampero
- g) Baja presión
- h) Transición de los centros de Alta



## a) Desplazamiento de los sistemas

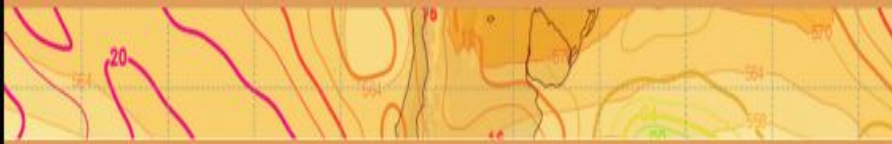


## b) Inestabilidad en capas medias



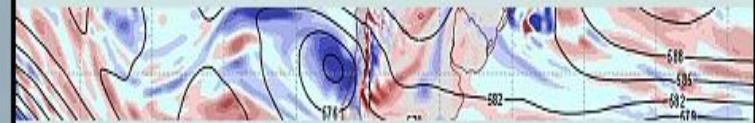
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TIPS

### 2. Isohipsas - GFS



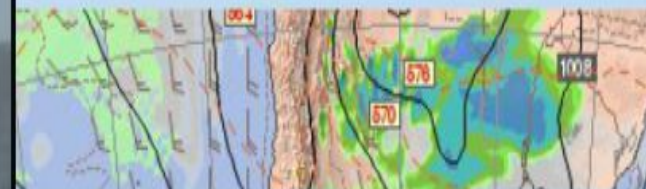
TIPS

### 3. Pronóstico a 10 días



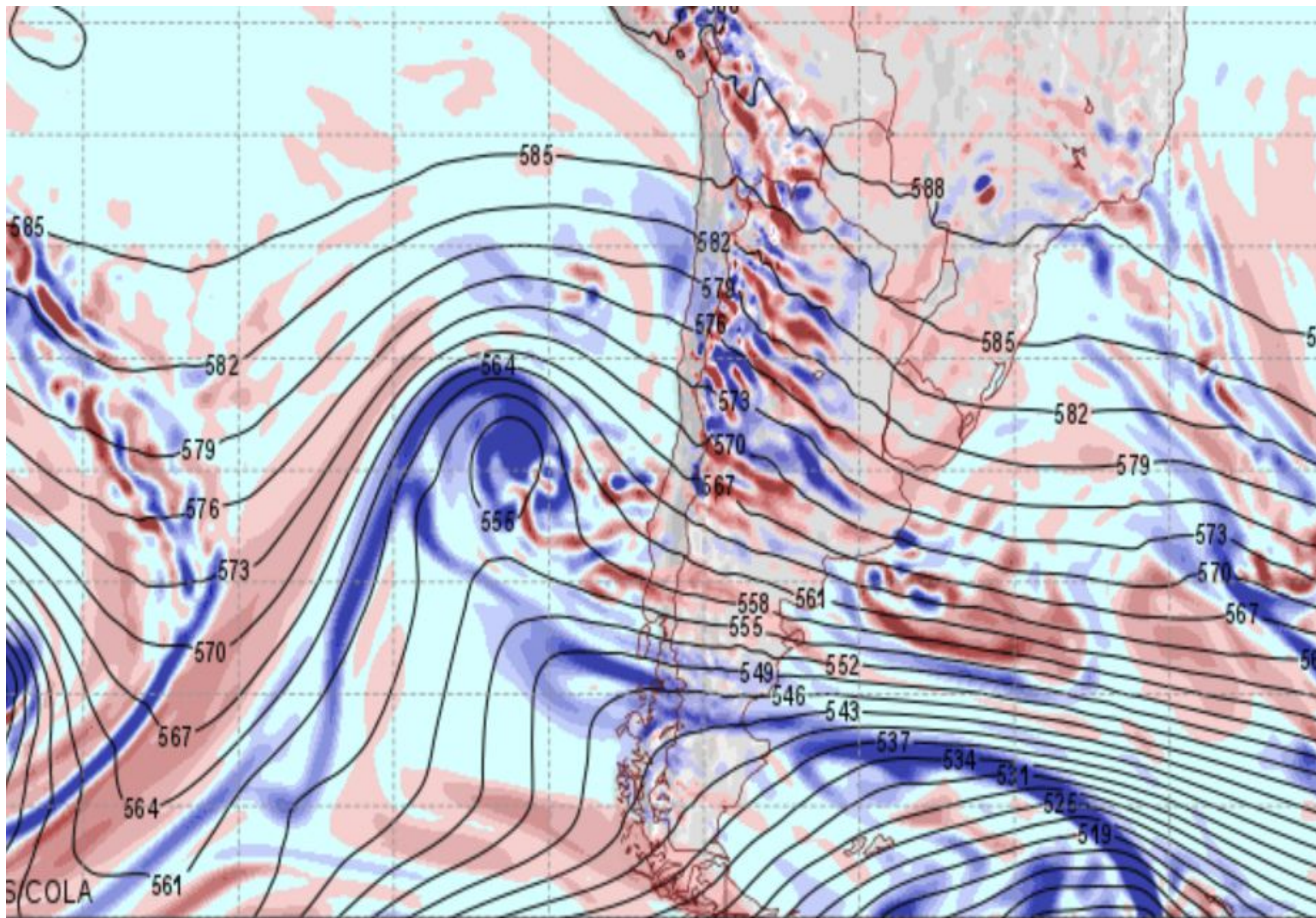
ECMWF European Centre for Medium-Range Weather Forecasts y varios modelos para elegir, GFS a 372 horas.

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



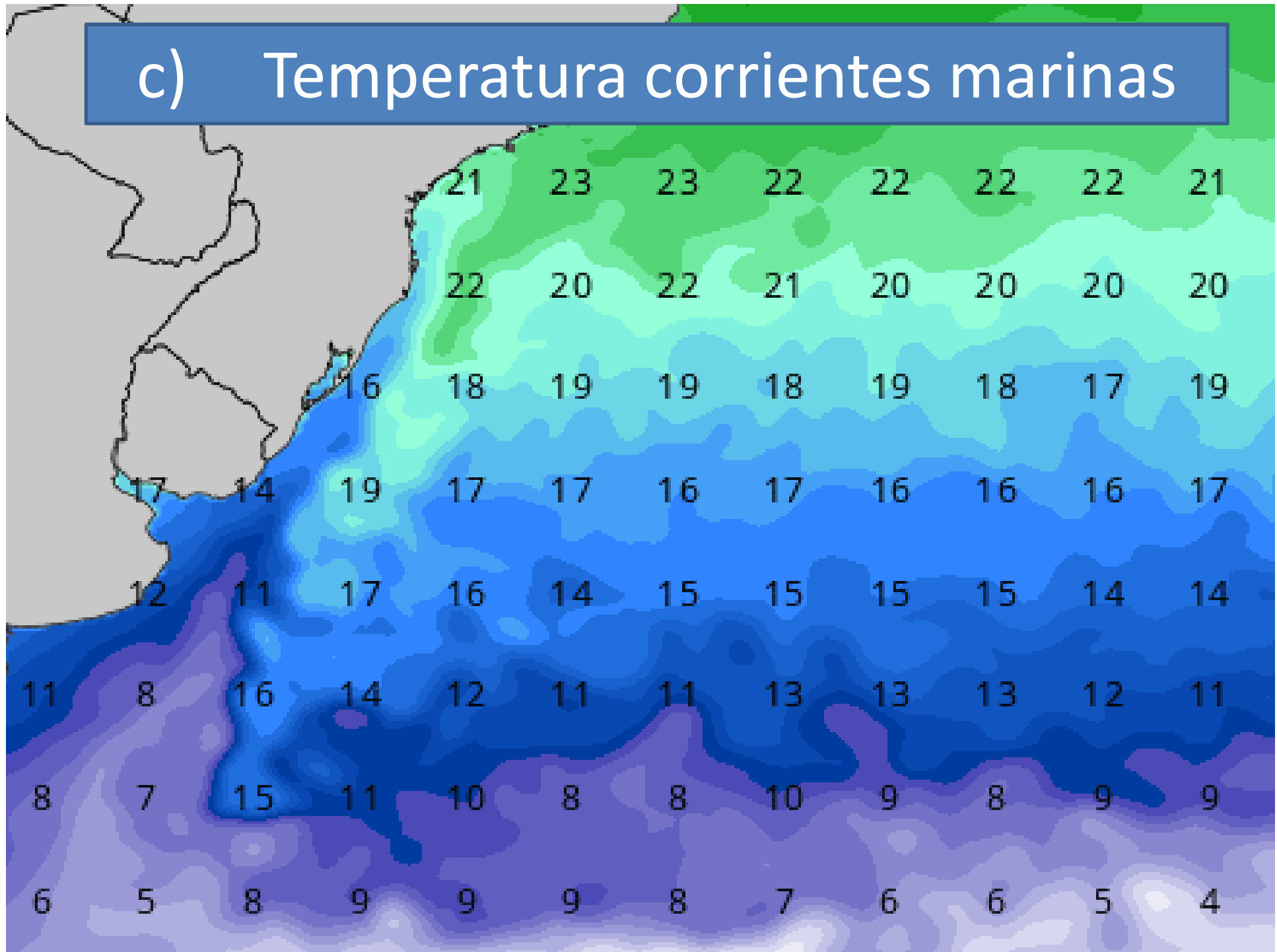


GFS Issued: 00Z13OCT2016 Valid: 00Z Sat 15 OCT 2016

500mb Heights



## c) Temperatura corrientes marinas



## d) Brisa y Terral

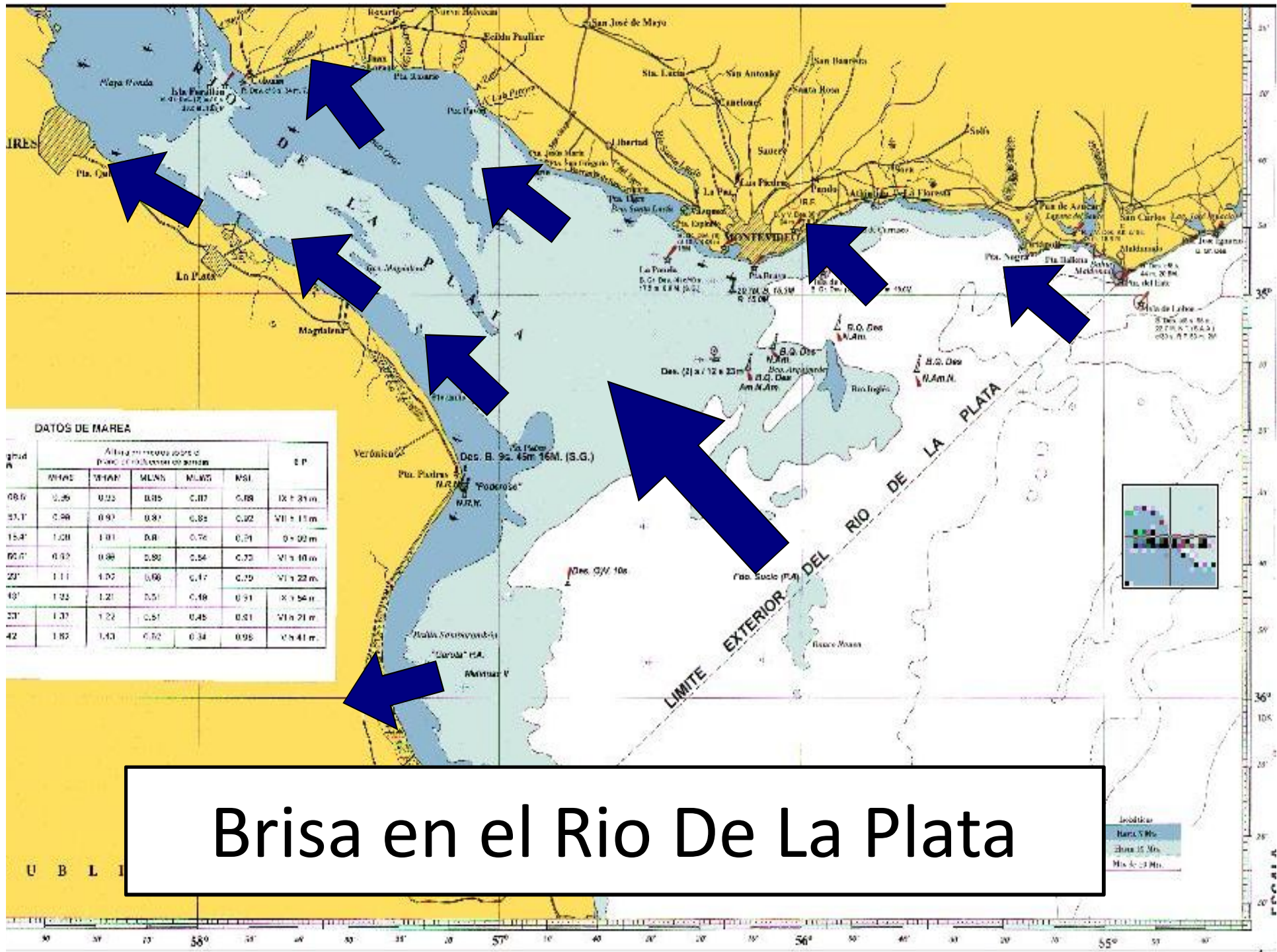
Con buen Tiempo y vientos  
leves debemos esperar  
desarrollo del fenómeno  
térmico local



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

Franja de 20 millas  
náuticas





# Brisa en el Rio De La Plata

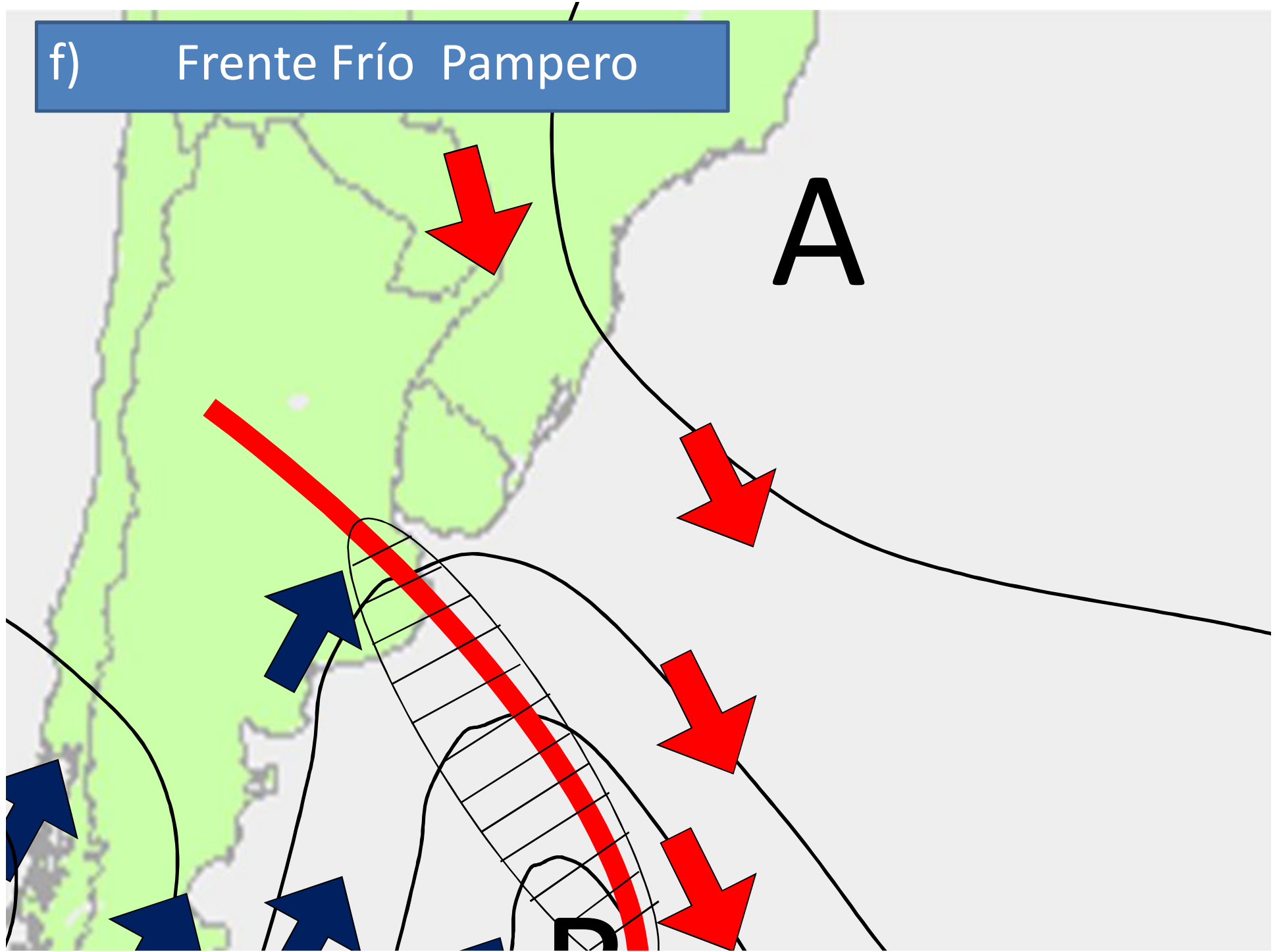


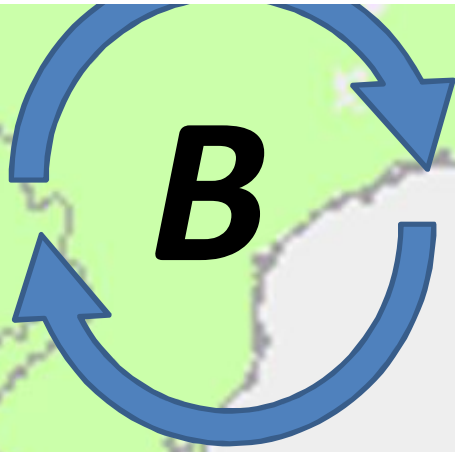


## e) Centro de alta presión

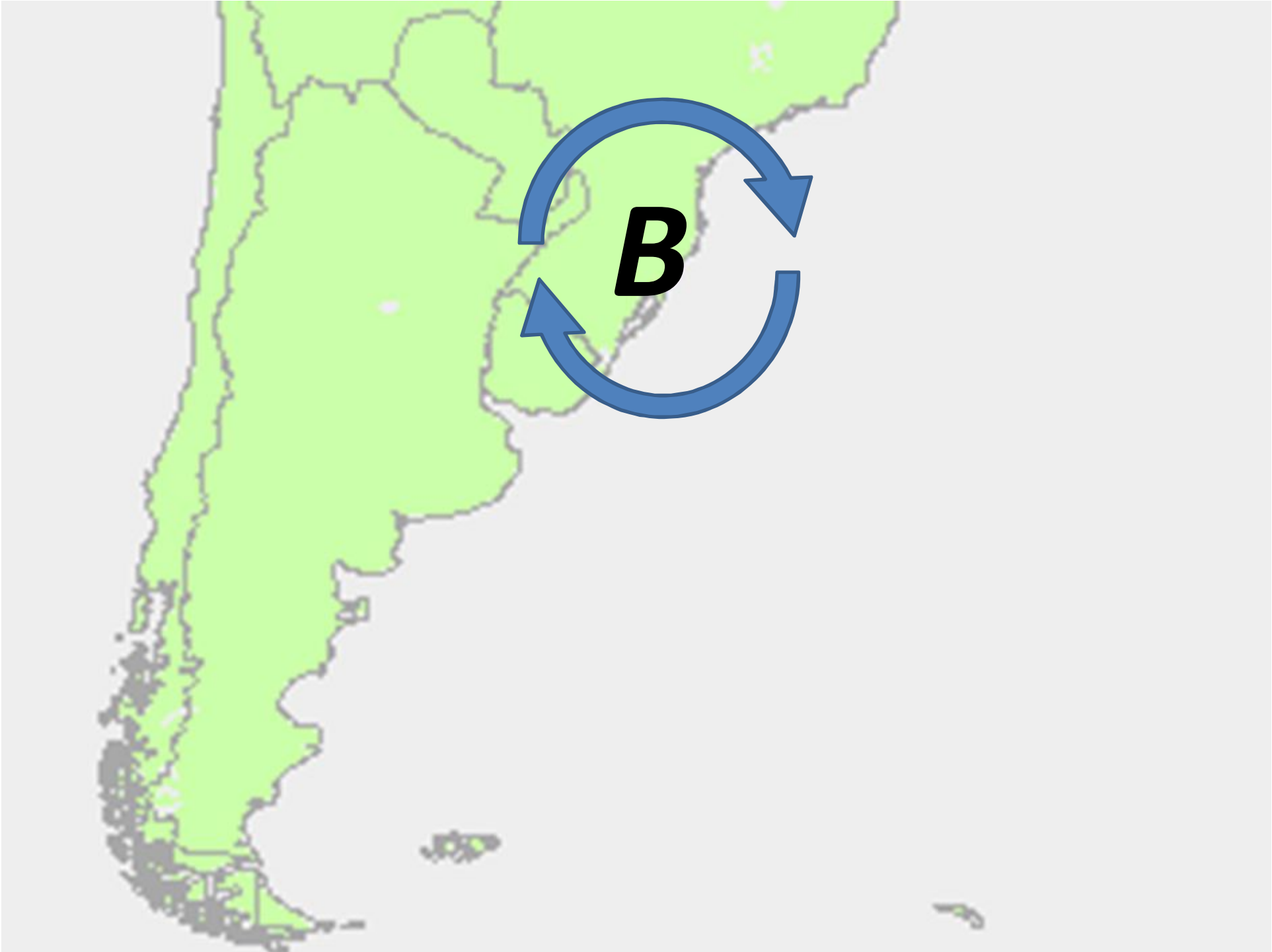


f) Frente Frío Pampero

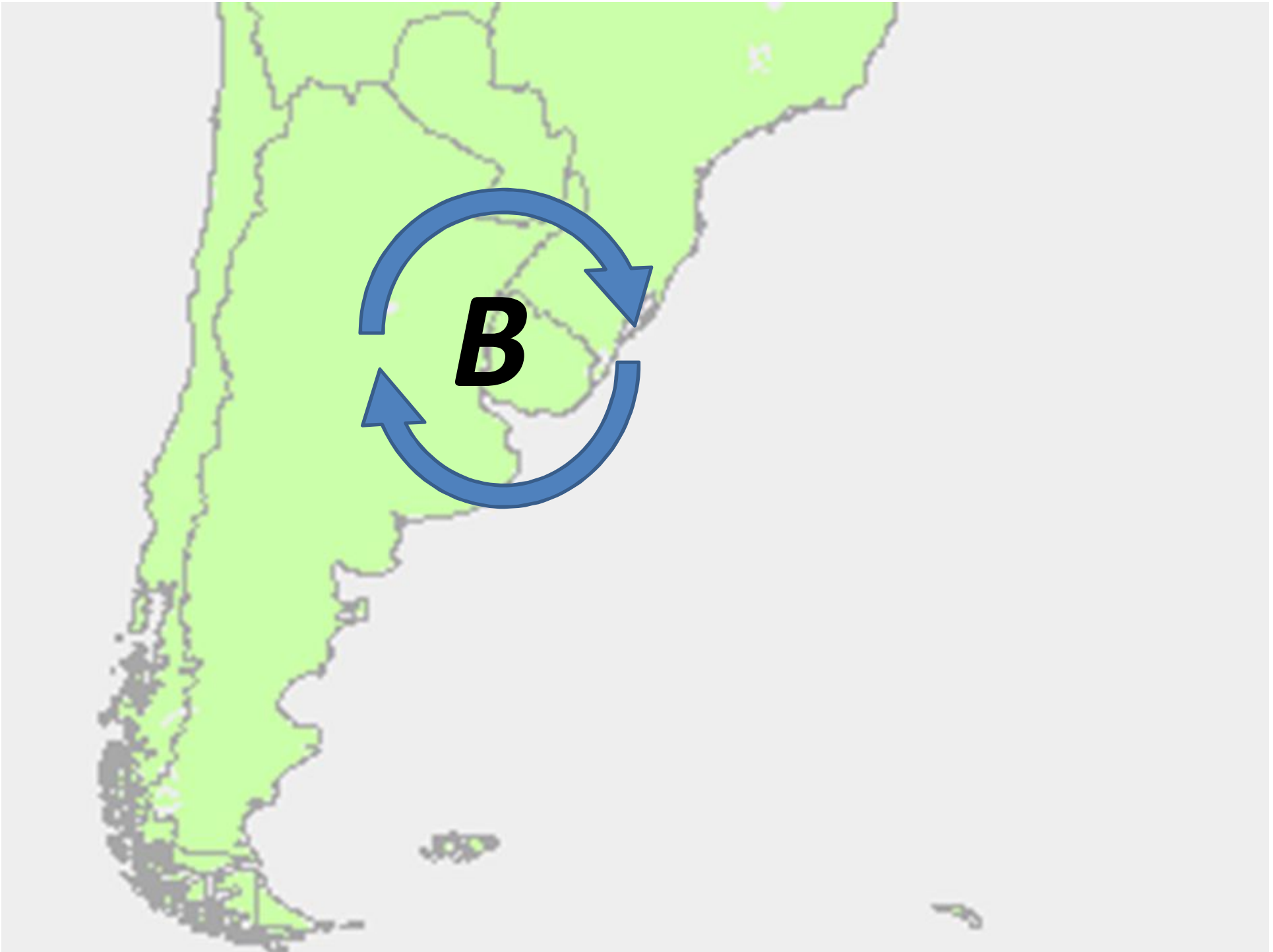




a) Centro de Baja presión







## h) Transición de las Altas



### 3) Pronóstico

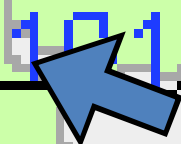
Sábado 11 – 15 hs

**B**

1013



1013



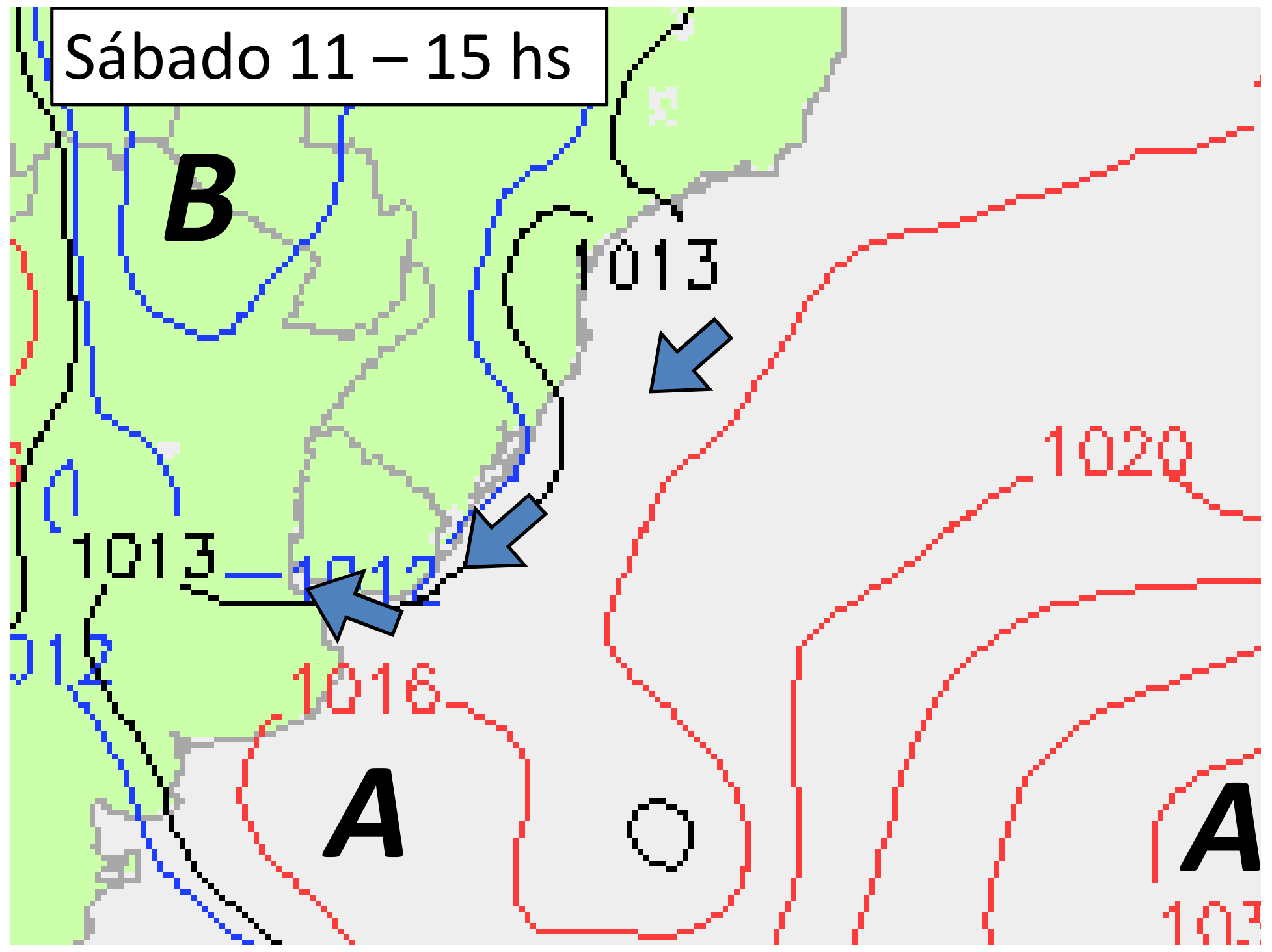
1016

**A**

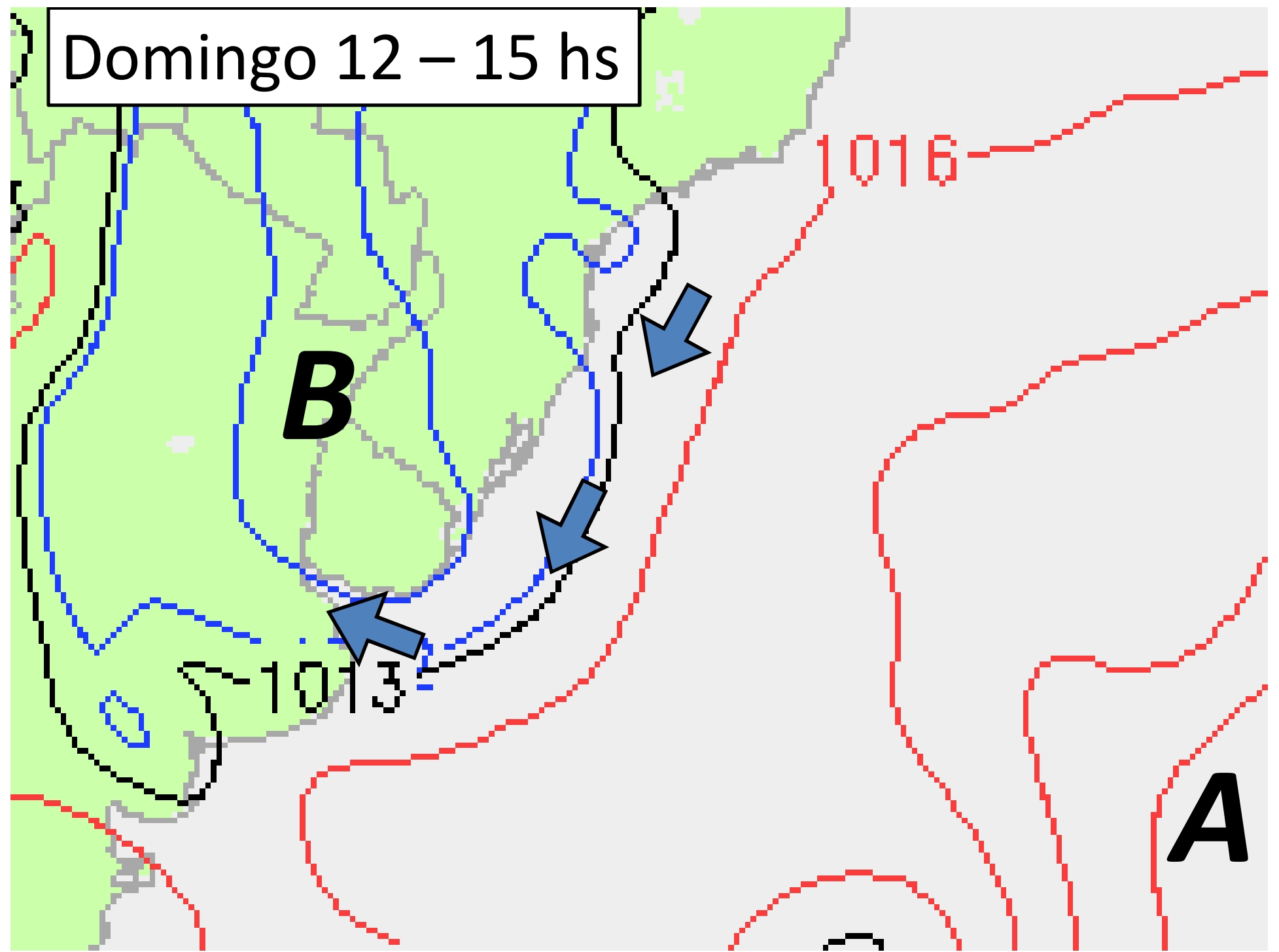
1020

**A**

103

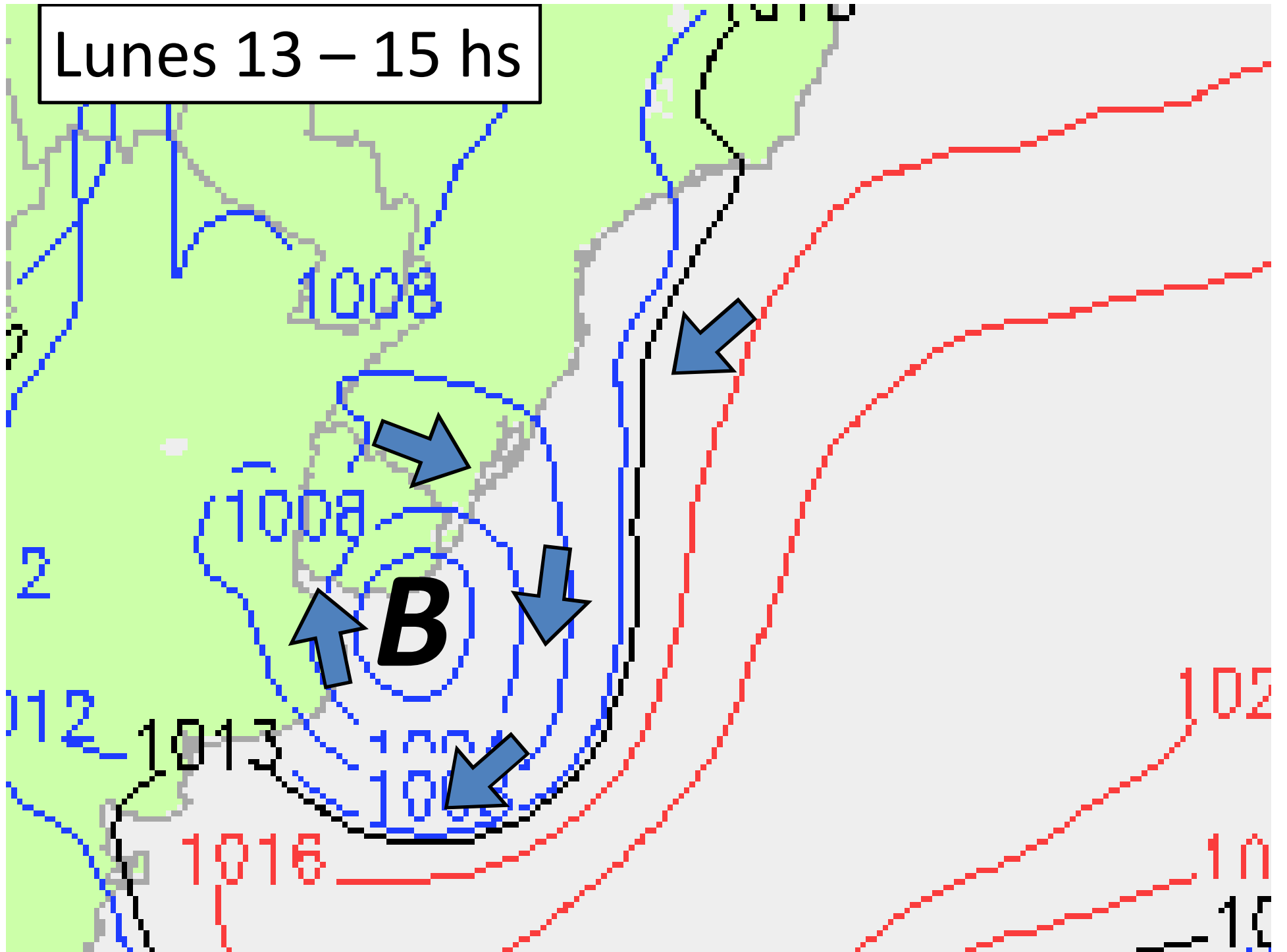


Domingo 12 – 15 hs

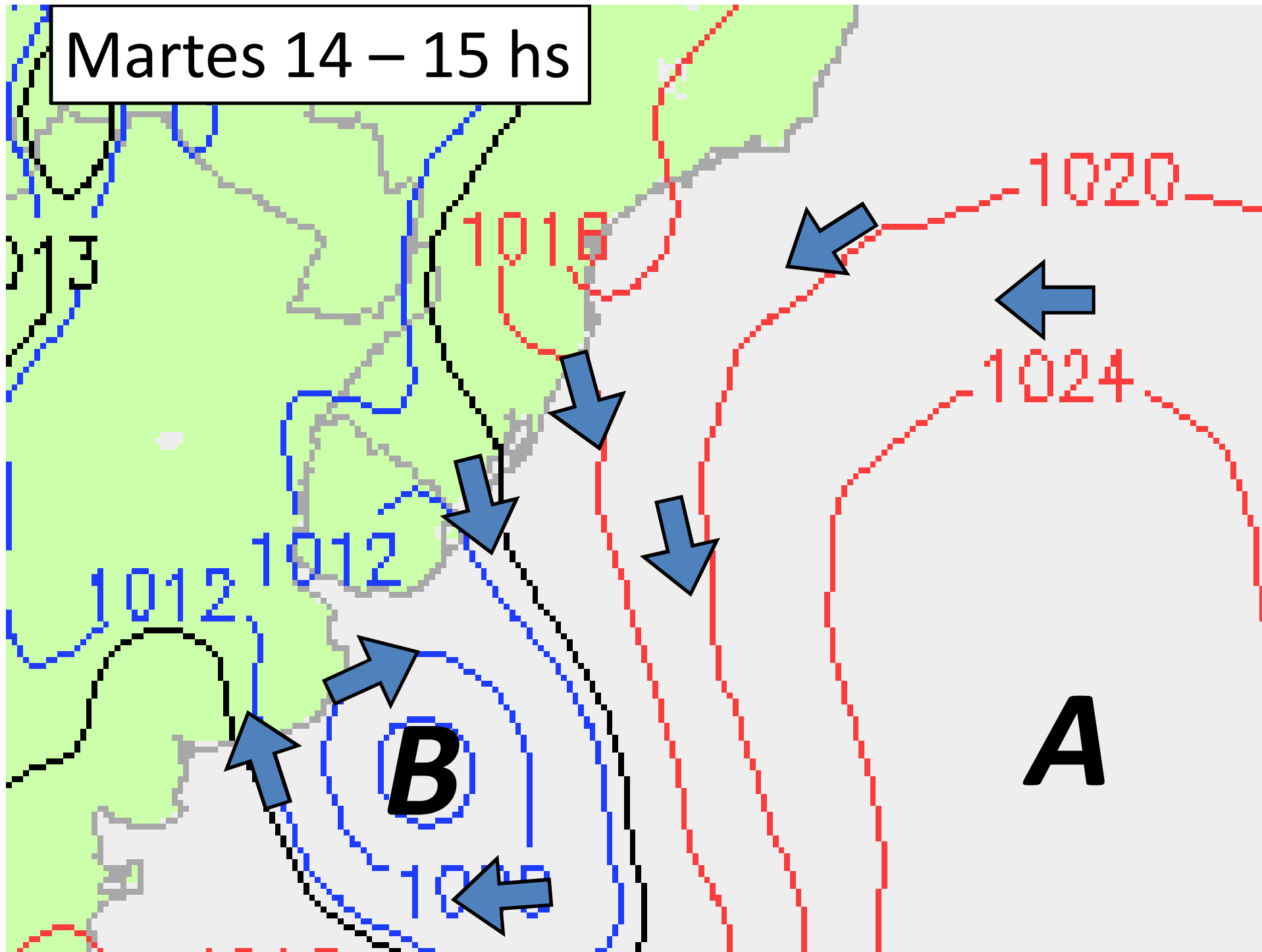




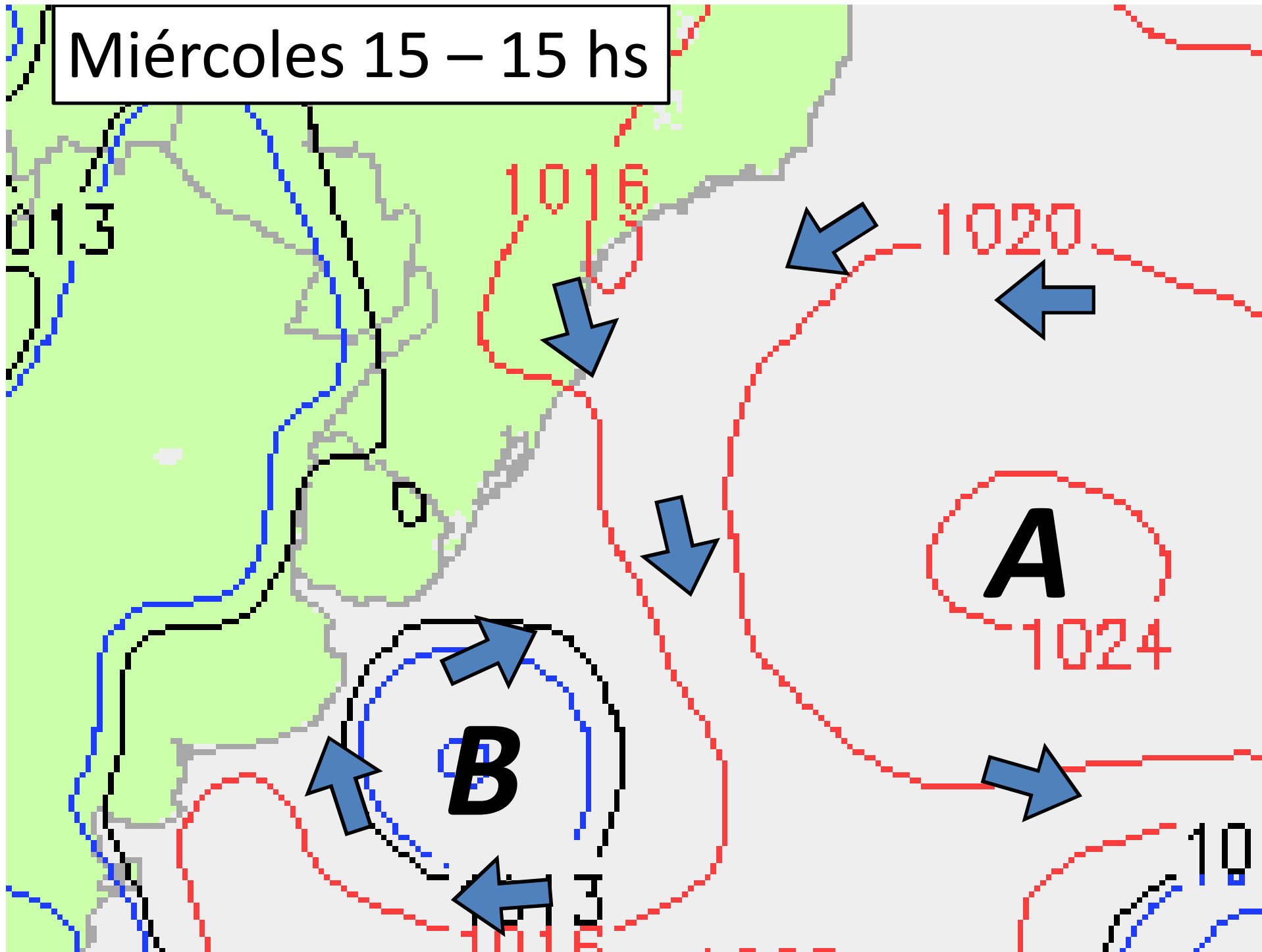
Lunes 13 – 15 hs



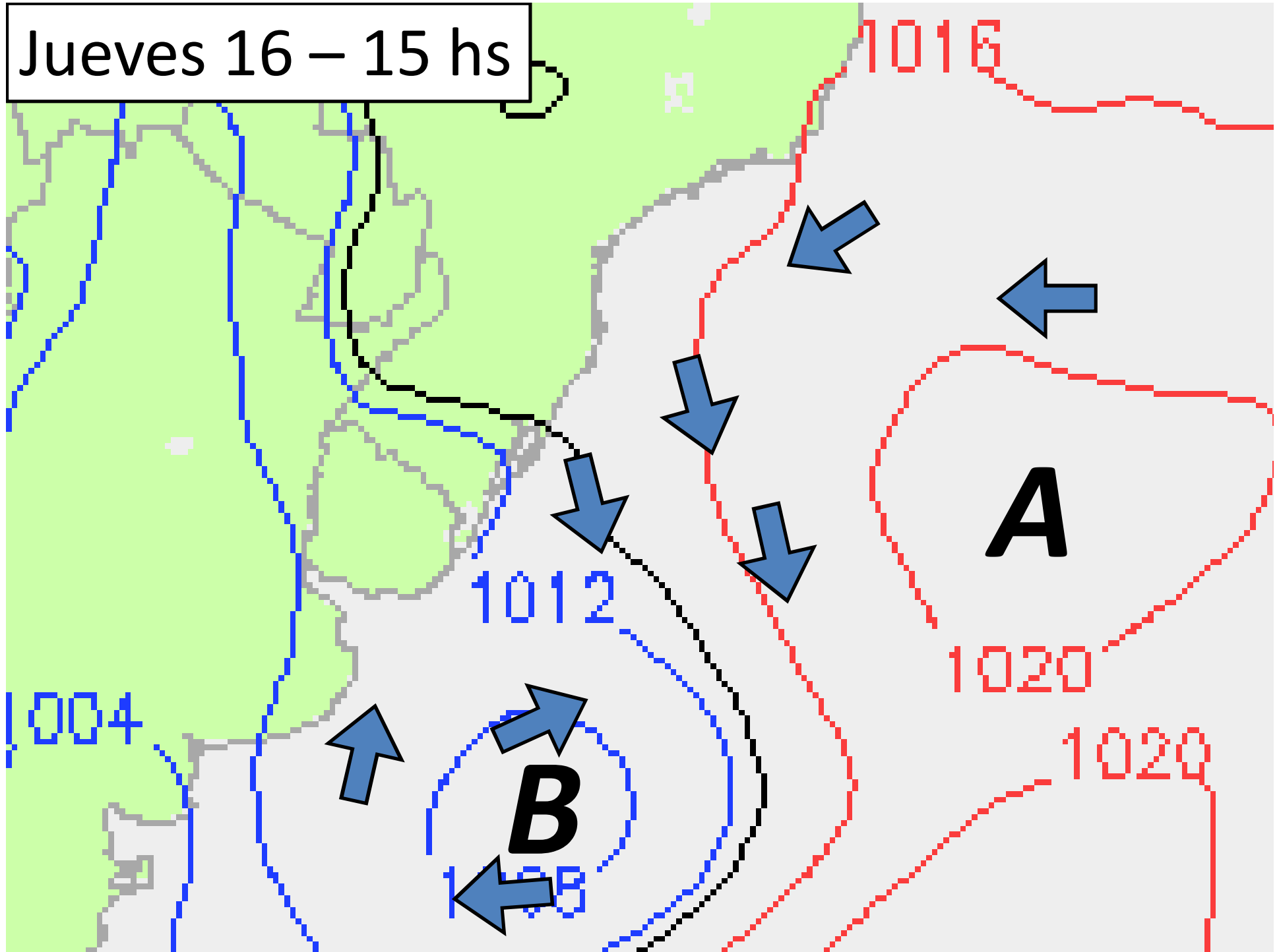
Martes 14 – 15 hs



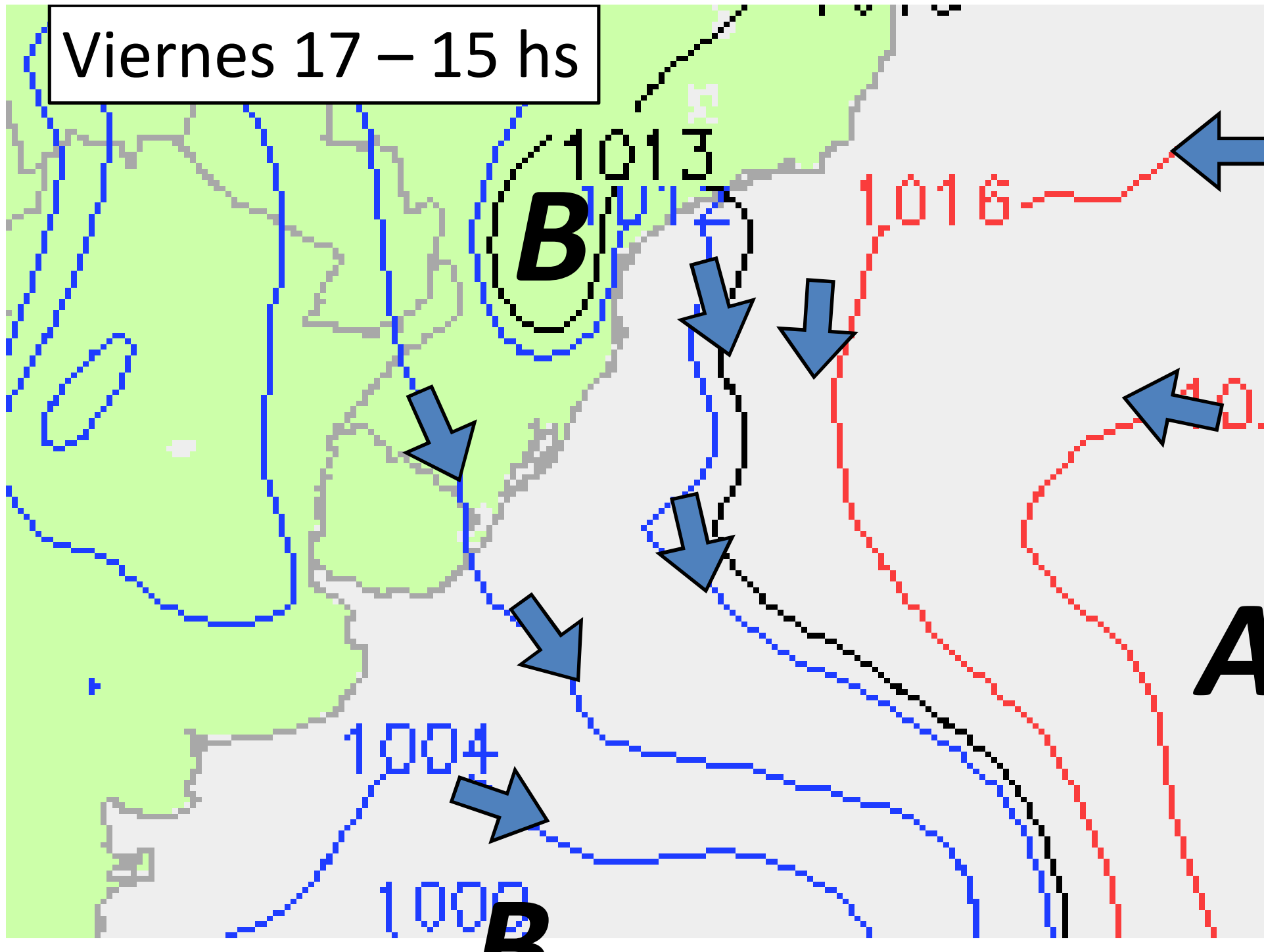
Miércoles 15 – 15 hs



Jueves 16 – 15 hs

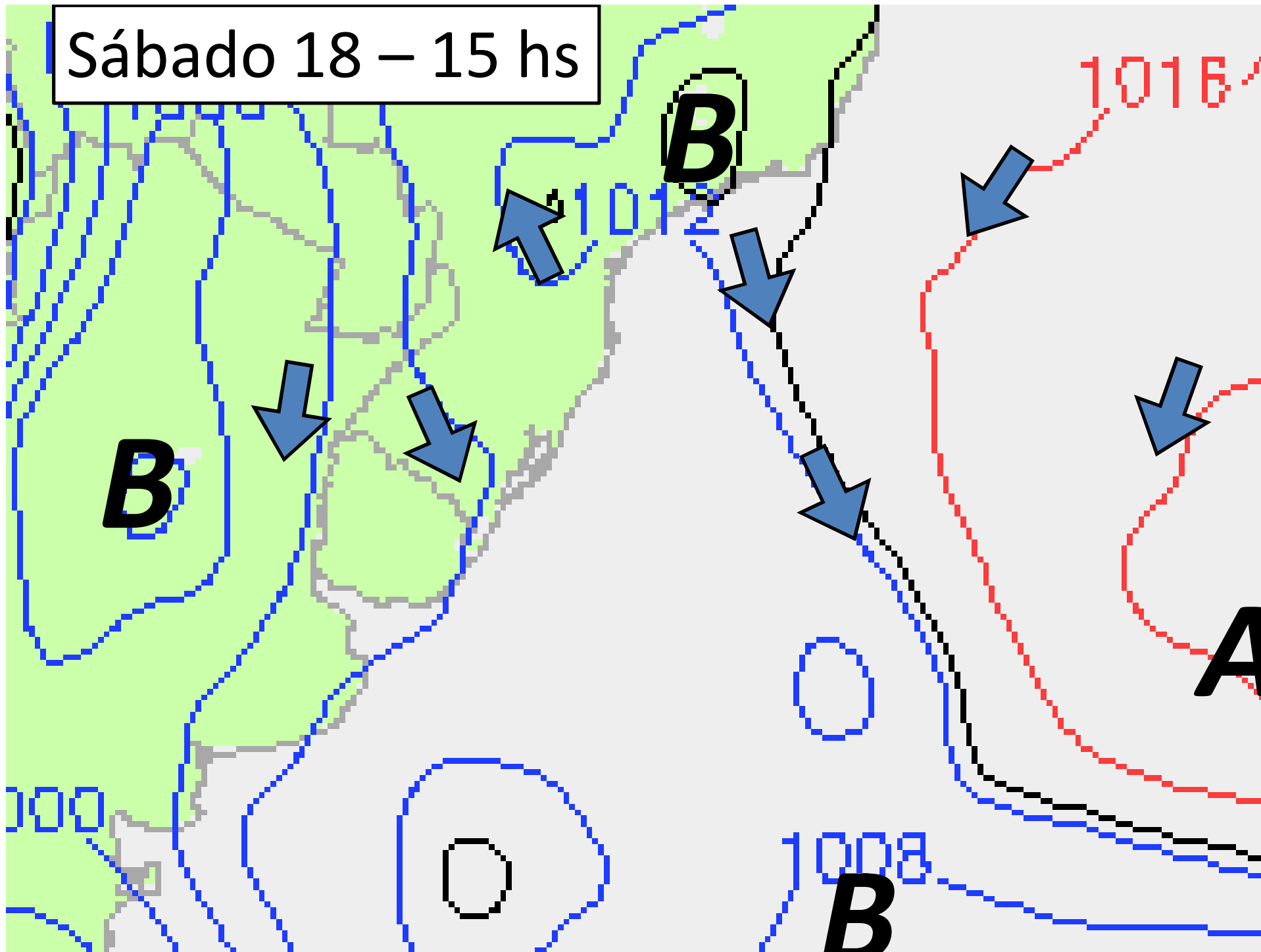


Viernes 17 – 15 hs

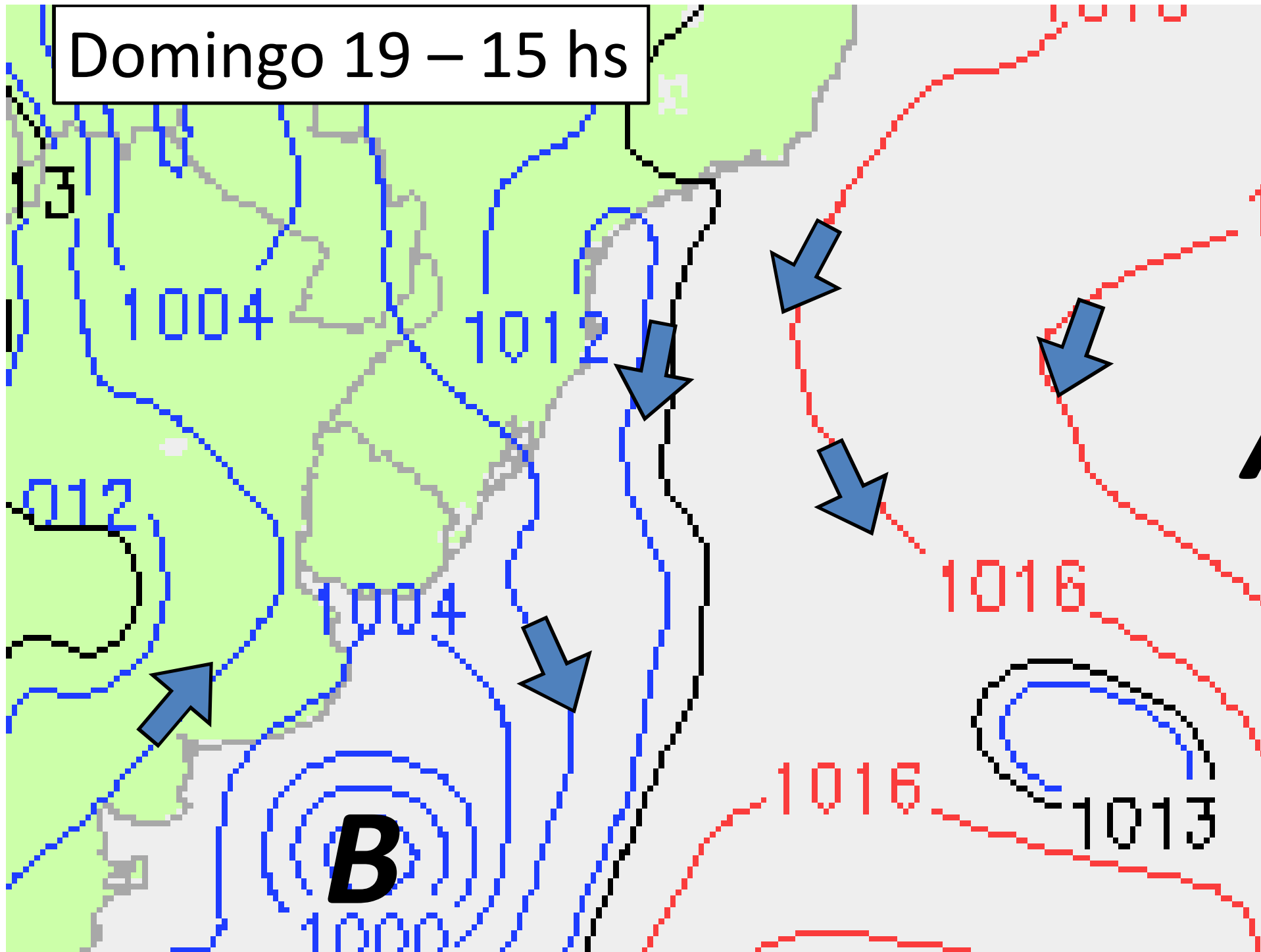




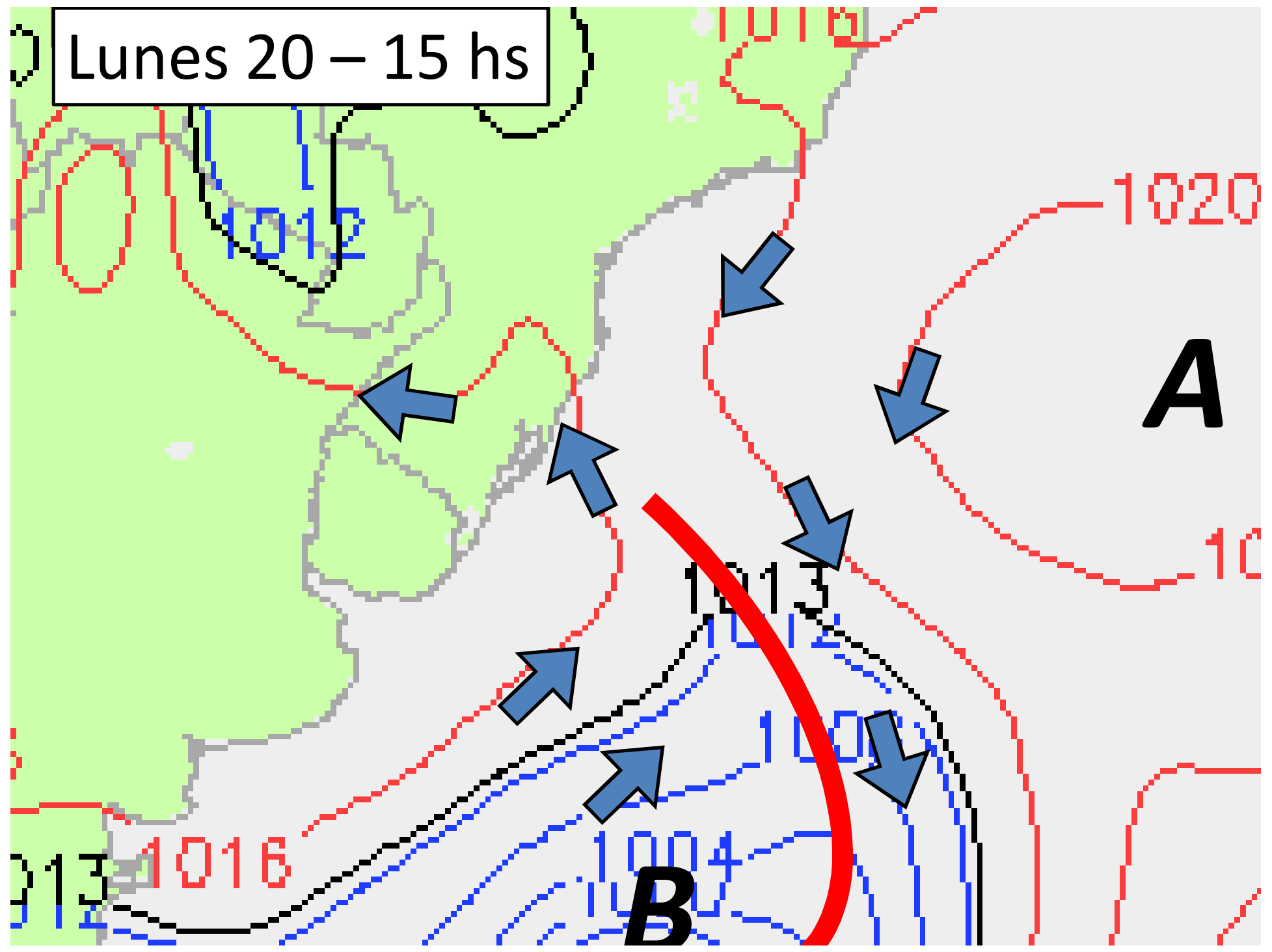
Sábado 18 - 15 hs



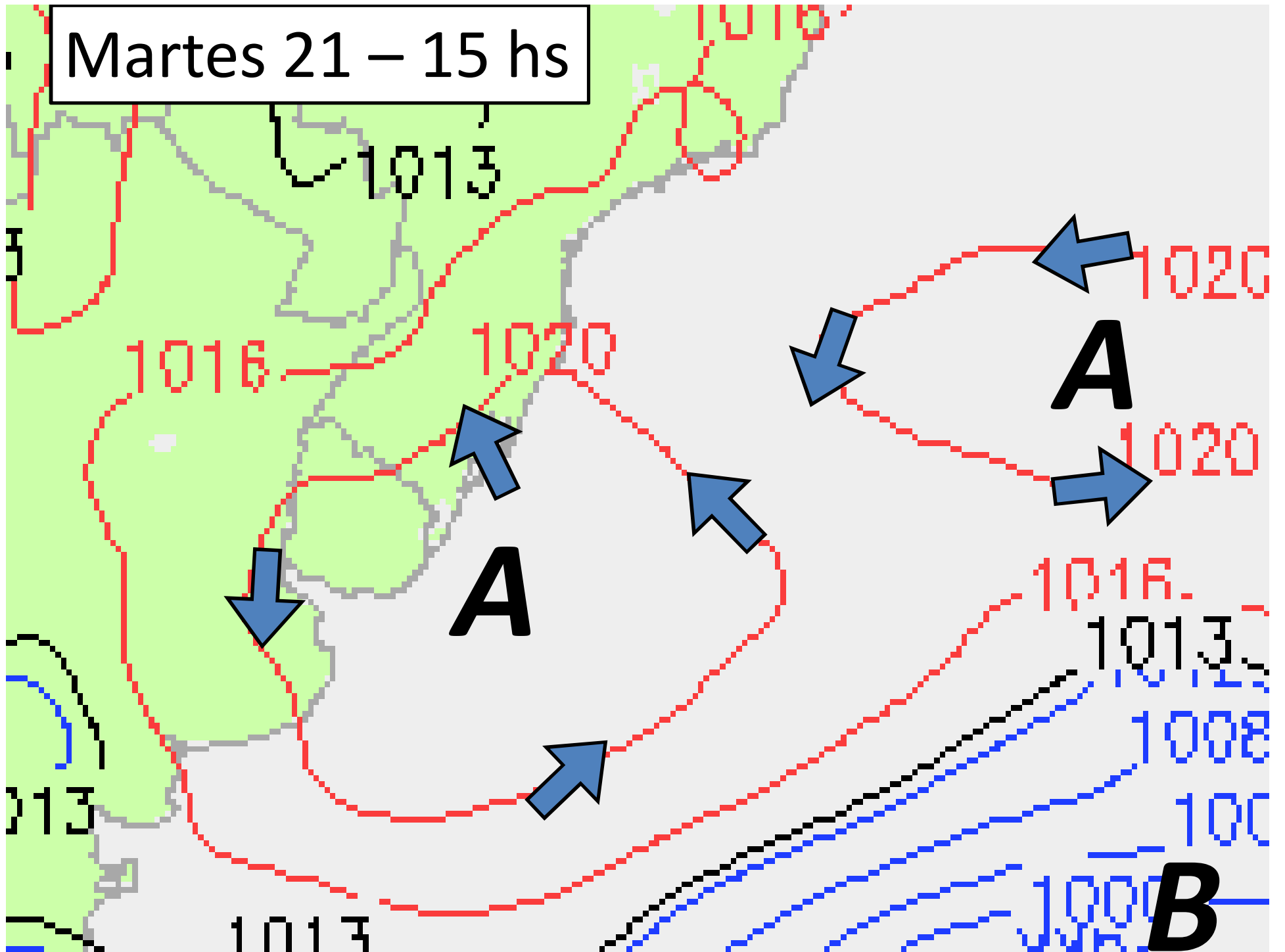
Domingo 19 – 15 hs



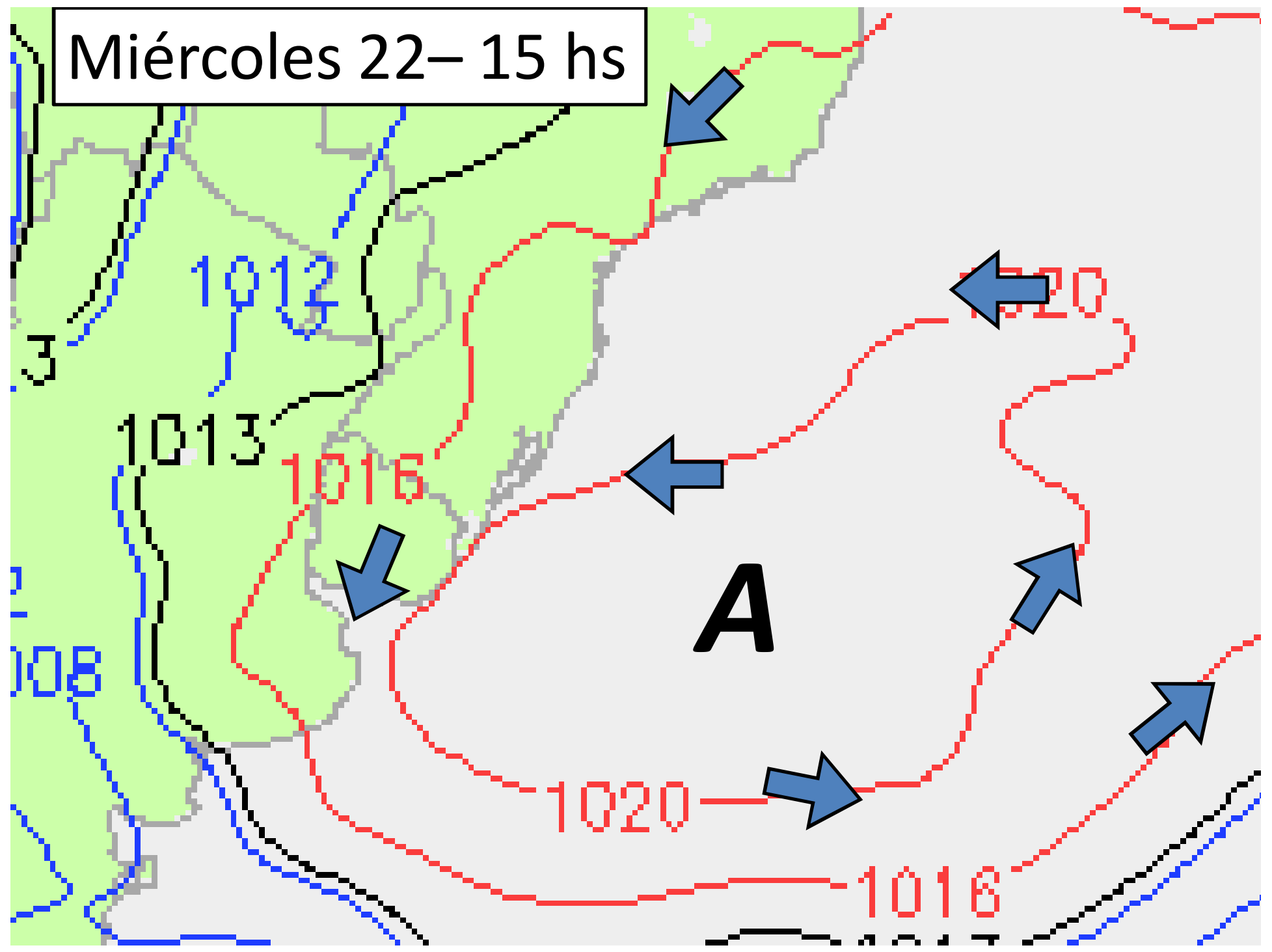
Lunes 20 – 15 hs



Martes 21 – 15 hs

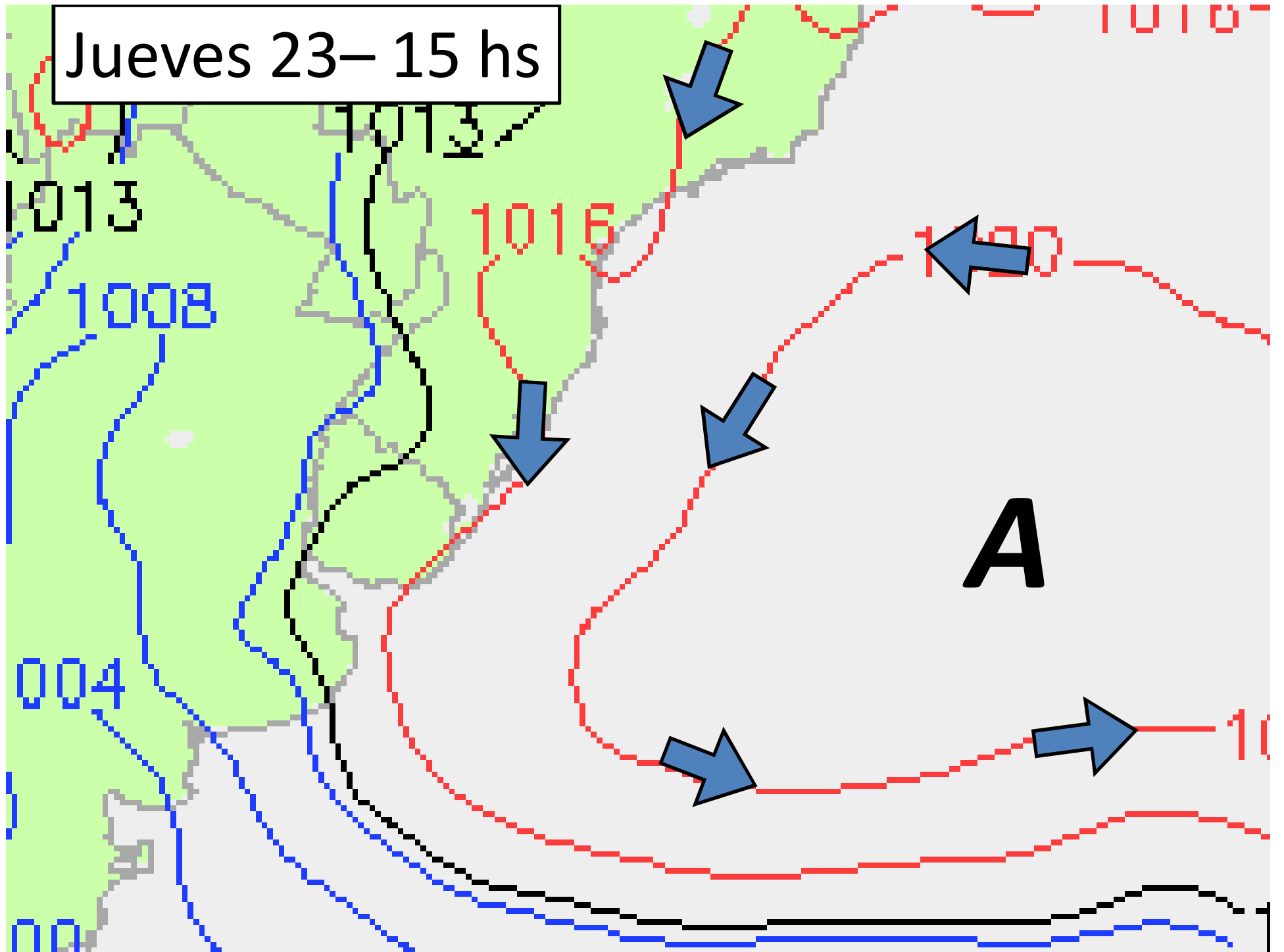


Miércoles 22- 15 hs





Jueves 23- 15 hs



Viernes 24- 15 hs

