



# WEATHER

*Meteorological observations and forecasts*

**Friday 02/02/2018**

*MET Office - "Mario Zucchelli" Base - Terranova Bay*

Ten. Col. Luigi Verzelletti  
Cap. Francesco Mariella



Agenzia nazionale per le nuove tecnologie,  
l'energia e lo sviluppo economico sostenibile

*Information NOT intended for flight planning and pre-flight*



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# WEATHER

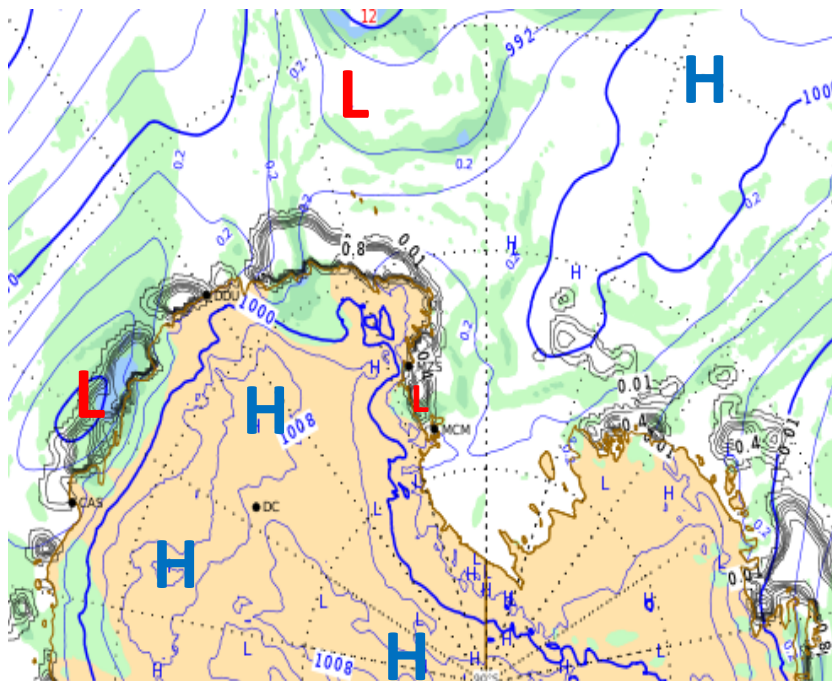
Meteorological observations and forecasts



## Friday 02/02/2018

Sea Level Pressure + Precipitation at 07:00

Latest Report



### MARIO ZUCHELLI Station

2018-02-01 17:10:00 UTC (74° 41' 45.3" S, 164° 05' 31.8" E)  
<http://www.climanartide.it>

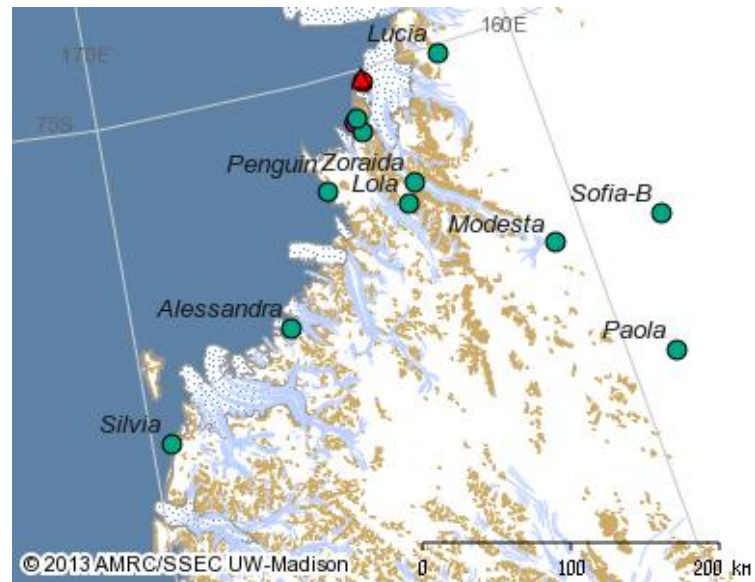
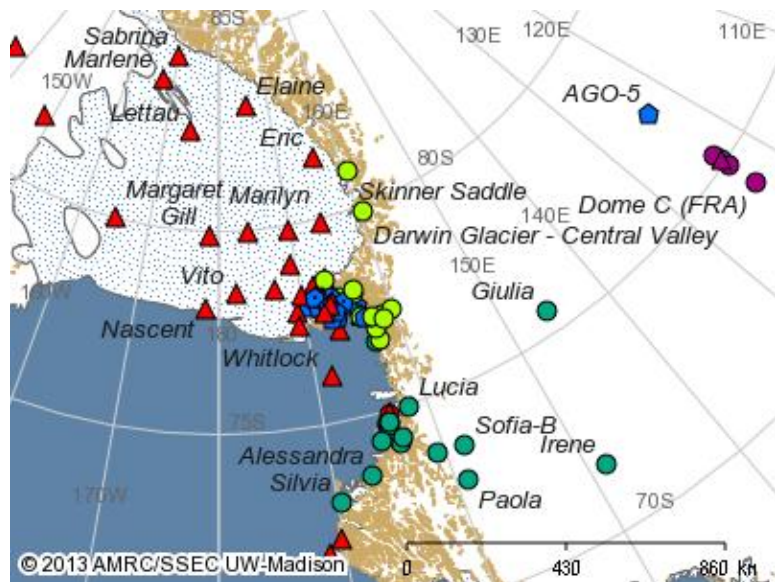
	Pressure (mba)	982.5
	Temperature (C°)	-5.7
	Wind Speed (knt)	11.4
	Relative Humidity (%)	31
	Sun Radiation (W/m <sup>2</sup> )	147

**VENTO AREA BOULDER: NW 31 KT** (06:10 loc time recorded)

# Automatic Weather Stations (AWS) Updates

AWS	Datetime UTC	Wind Direction [°]	Wind Speed [kts]	Wind Gust [kts]	Temperature [°C]	MAX_Temp [°C]	MIN_Temp [°C]	Humidity [%]	Pressure [hPa]
Alessandra	2018-02-01 16:00	220	1	6	-6.9	-6.9	-7.6	70	974.7
Arelis	2018-02-01 16:00	180	16	18	-6.7	-6.6	-6.9	11	973.7
Concordia	2018-02-01 16:00	210	6	7	-44.0	-42.0	-44.0	59	646.8
Eneide	2018-02-01 16:00	160	5	9	-5.0	-5.0	-6.1	25	982.5
Giulia	2018-02-01 16:00	240	7	8	-43.4	-42.2	-43.4	59	715.2
Lola	2018-02-01 16:00	230	7	18	-18.8	-18.8	-20.3	46	804.4
Modesta	2018-02-01 16:00	310	//	//	//	//	//	//	//
Paola	2018-02-01 16:00	240	7	14	-29.7	-24.5	-29.7	73	//
Rita	2018-02-01 16:00	300	23	25	-9.0	-7.5	-10.2	41	960.8
Silvia	2018-02-01 16:00	240	5	6	-9.5	-9.4	-9.6	//	928.8
Sofiab	2018-02-01 16:00	180	14	17	-18.2	-18.2	-18.7	86	811.3
Zoraida	2018-02-01 15:00	310	24	41	-12.8	-12.6	-13.4	43	889.4

N.B. I dati presenti non sono validati e quindi non adatti ad un uso operativo.



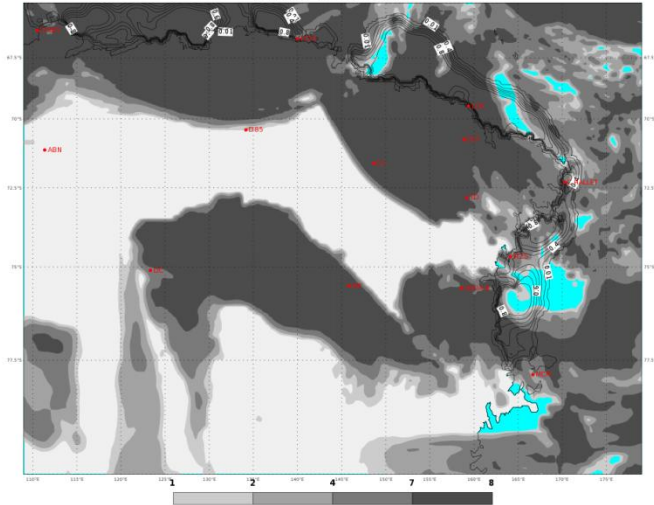
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# PREVISIONI - FORECASTS

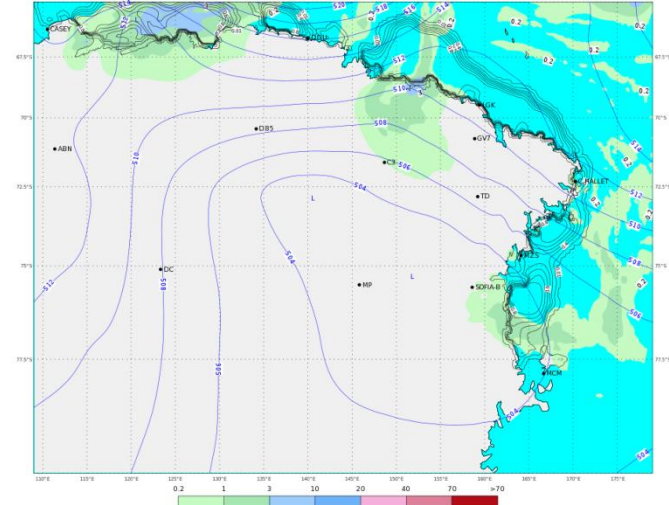
OGGI - ORE 07 LT

TODAY - 07 LT

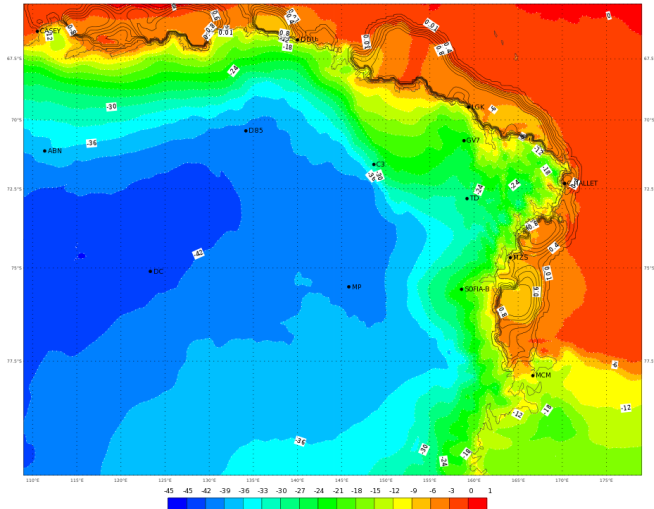
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Terra Vittoria - Total cloud cover (oct)



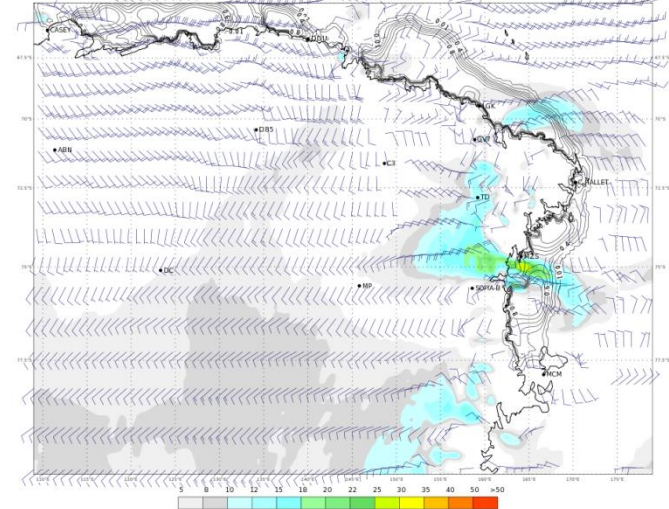
ECMWF 01 Febbraio 2018 00UTC Forecast T+18 VT: Giovedì 01 Febbraio 2018 18UTC  
Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 01 Febbraio 2018 00UTC Forecast T+18 VT: Giovedì 01 Febbraio 2018 18UTC  
Terra Vittoria - Temperature at 2 m (°C)



ECMWF 01 Febbraio 2018 00UTC Forecast T+18 VT: Giovedì 01 Febbraio 2018 18UTC  
Terra Vittoria - Wind at 10 m (kts)

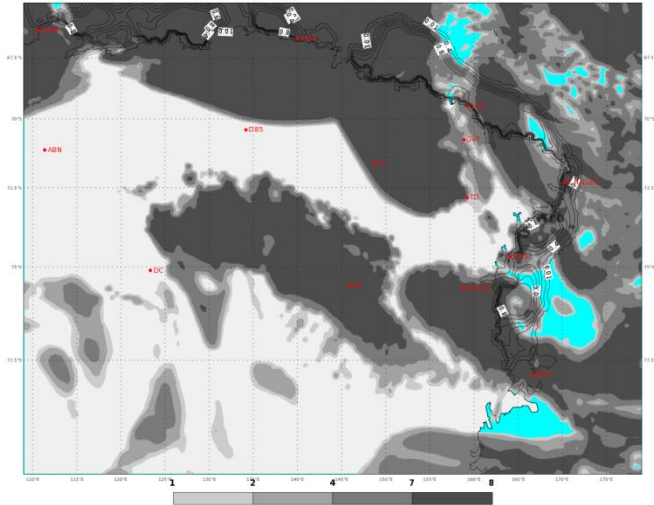


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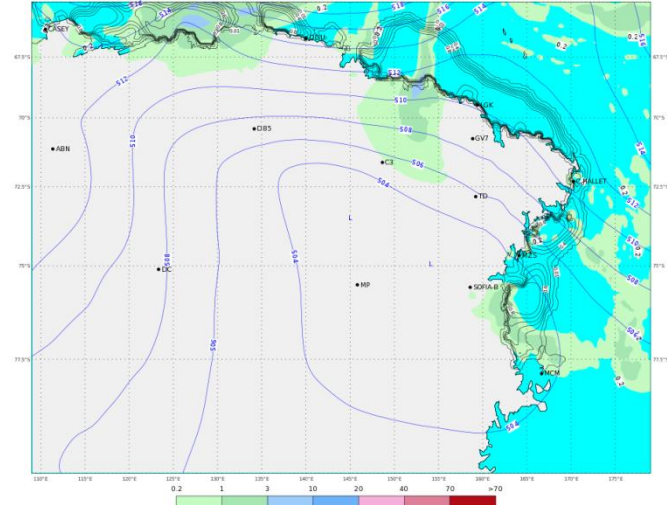
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## TODAY - 13 LT

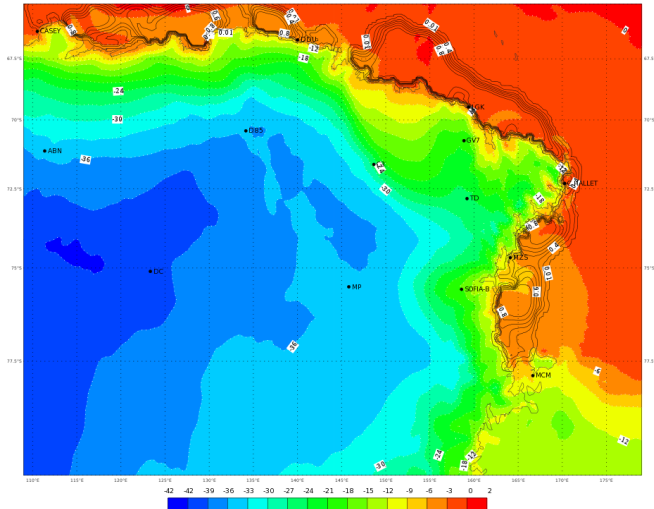
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Terra Vittoria - Total cloud cover (oct)



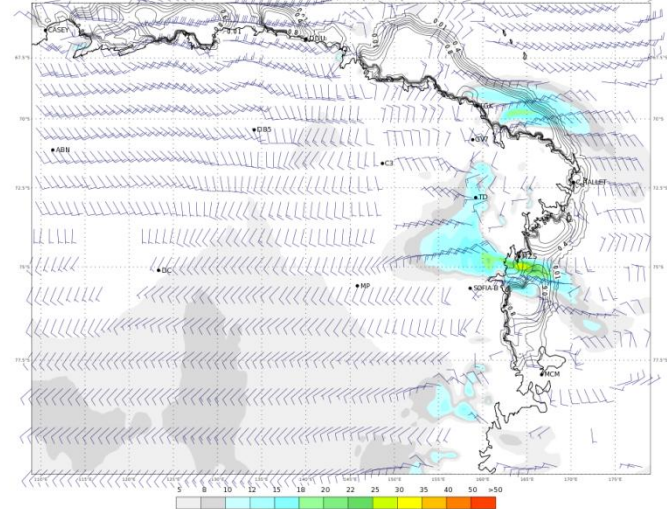
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Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



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ECMWF 01 Febbraio 2018 00UTC Forecast T+24 VT: Venerdì 02 Febbraio 2018 00UTC  
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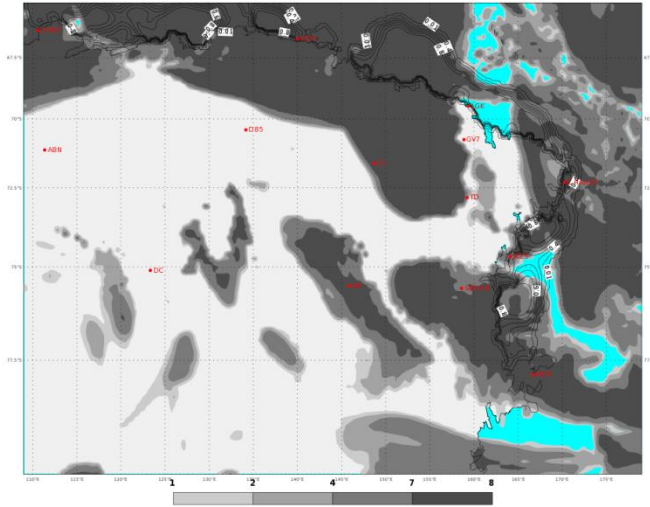


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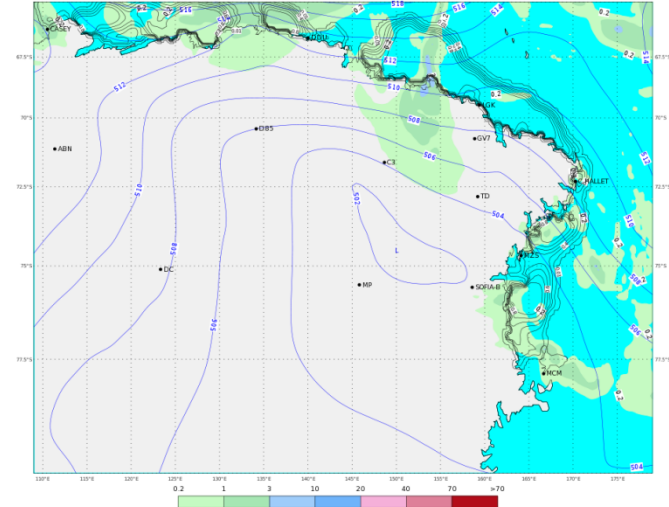
OGGI - ORE 19 LT

TODAY - 19 LT

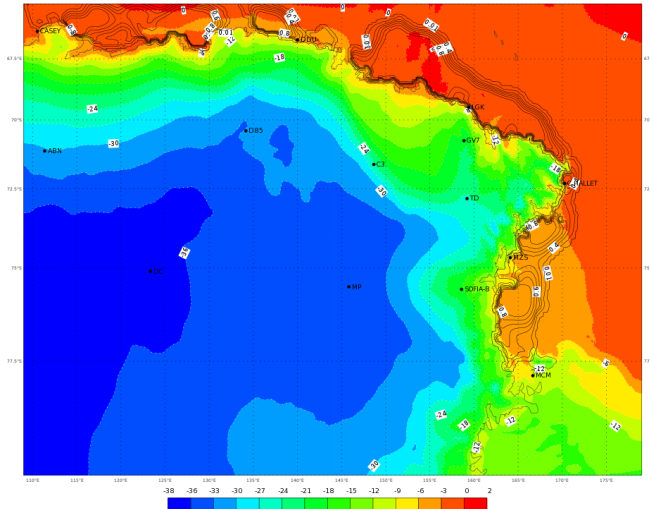
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Terra Vittoria - Total cloud cover (oct)



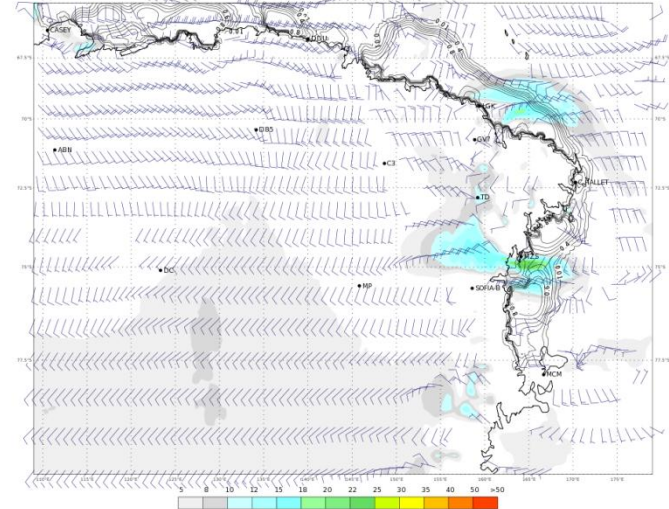
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ECMWF 01 Febbraio 2018 00UTC Forecast T+30 VT: Venerdì 02 Febbraio 2018 06UTC  
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ECMWF 01 Febbraio 2018 00UTC Forecast T+30 VT: Venerdì 02 Febbraio 2018 06UTC  
Terra Vittoria - Wind at 10 m (kts)



# WEATHER FORECAST FOR TODAY AT TERRA NOVA BAY

## Friday 02/02/2018

	ORE 07	ORE 13	ORE 19
CIELO			
FENOMENI	NIL	NIL	NIL
VENTO MZS	WNW 15/25 KT	WNW 20/30 KT	WSW 15/25 KT
VENTO BOULDER	WNW 25/35 KT	WNW 30/45 KT	WSW 20/30 KT
TEMPERATURA [°C]	-08/-06 °C	-07/-05 °C	-06/-04 °C
WIND CHILL [°C]	-19/-16 °C	-19/-16 °C	-17/-14 °C
STATO DEL MARE	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO

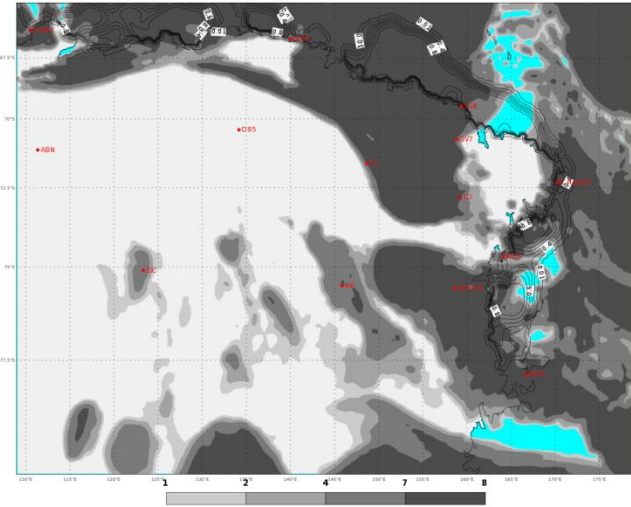


# PREVISIONI - FORECASTS

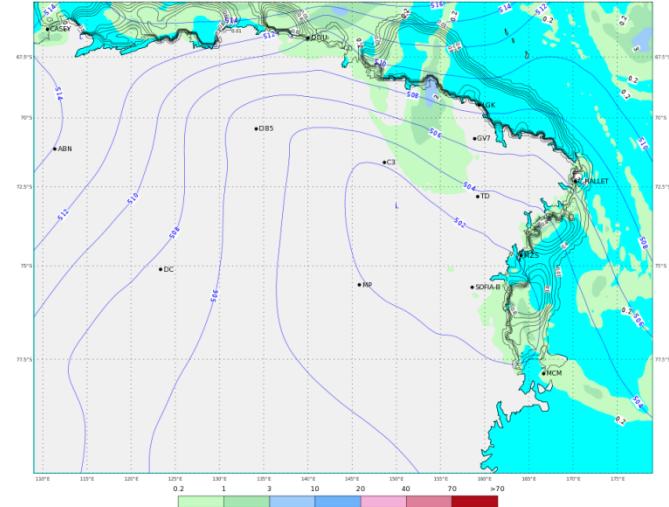
## DOMANI - ORE 01 LT

## TOMORROW - 01 LT

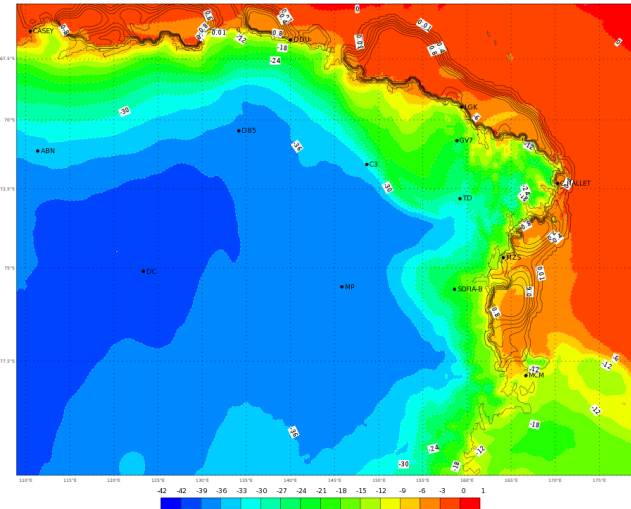
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Terra Vittoria - Total cloud cover (oct)



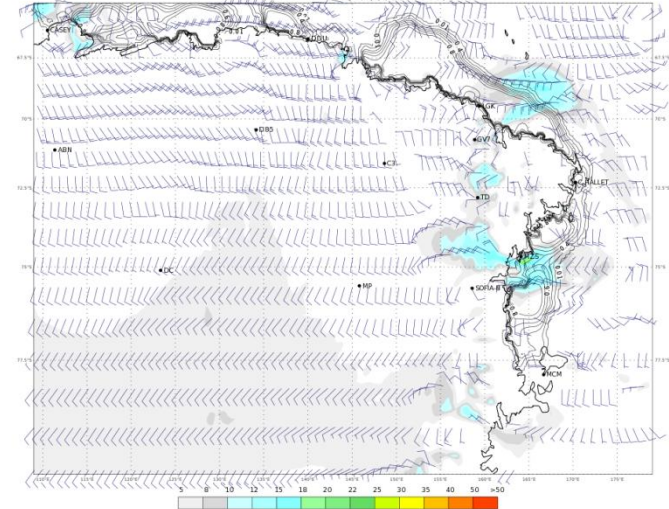
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Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 01 Febbraio 2018 00UTC Forecast T+36 VT: Venerdì 02 Febbraio 2018 12UTC  
Terra Vittoria - temperature at 2 m (°C)



ECMWF 01 Febbraio 2018 00UTC Forecast T+36 VT: Venerdì 02 Febbraio 2018 12UTC  
Terra Vittoria - Wind at 10 m (kts)

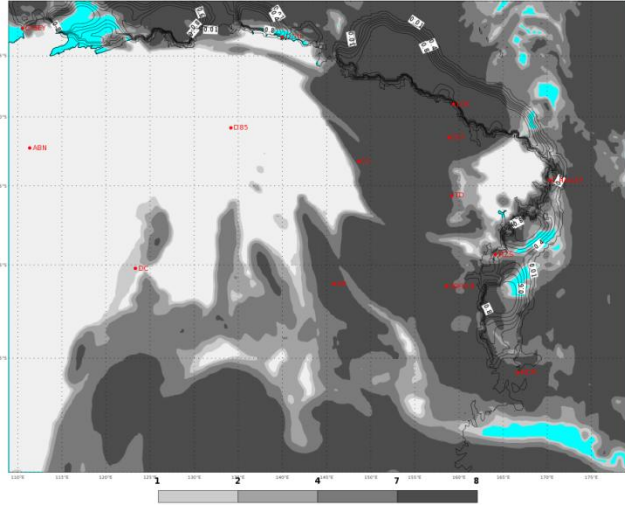


# PREVISIONI - FORECASTS

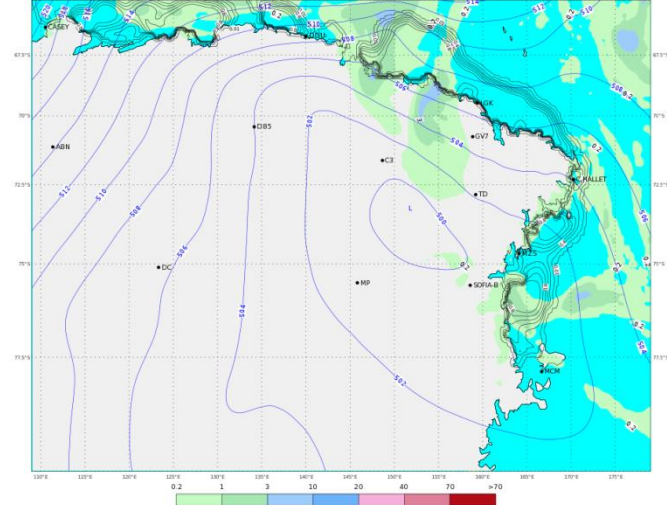
## DOMANI - ORE 07 LT

## TOMORROW - 07 LT

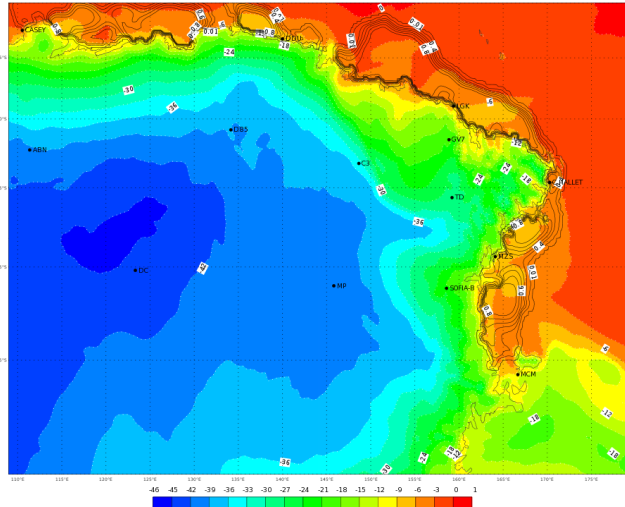
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Terra Vittoria - Total cloud cover (oct)



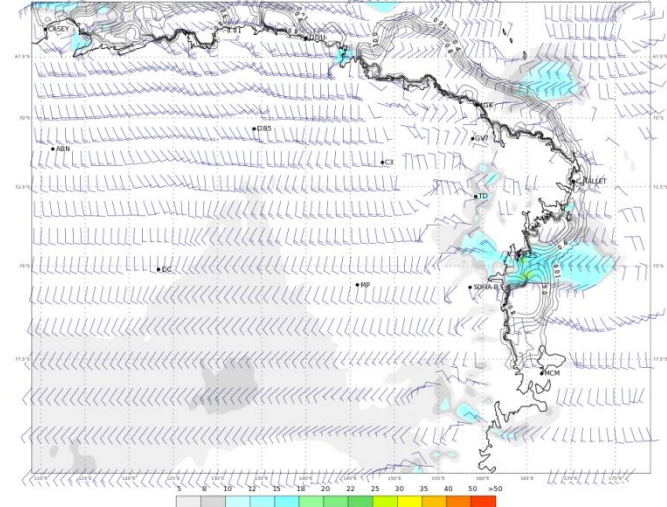
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Terra Vittoria - Wind at 10 m (kts)

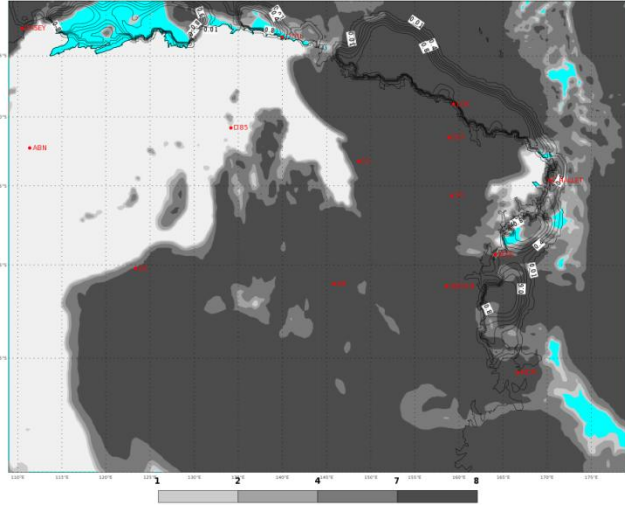


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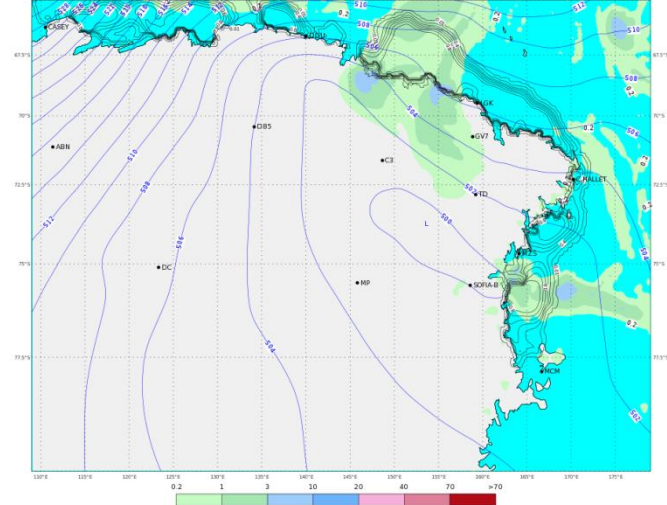
## DOMANI - ORE 13 LT

## TOMORROW - 13 LT

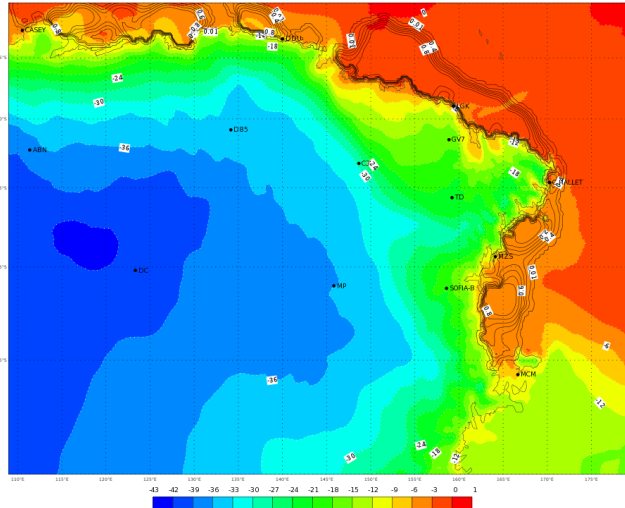
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Terra Vittoria - Total cloud cover (oct)



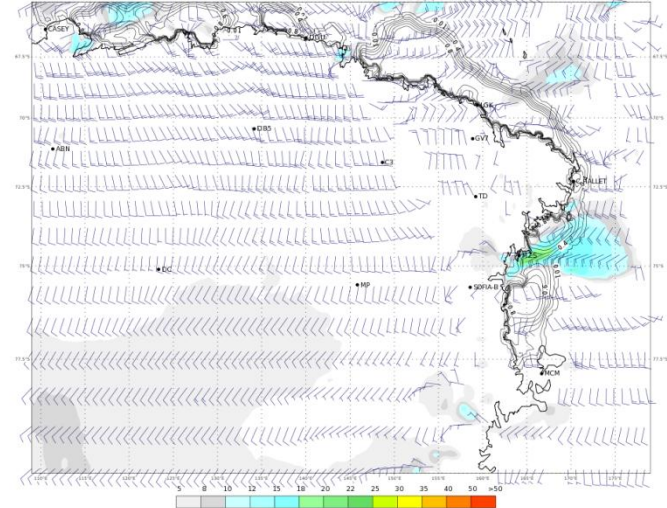
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Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 01 Febbraio 2018 00UTC Forecast T+48 VT: Sabato 03 Febbraio 2018 00UTC  
Terra Vittoria - Temperature at 2 m (°C)



ECMWF 01 Febbraio 2018 00UTC Forecast T+48 VT: Sabato 03 Febbraio 2018 00UTC  
Terra Vittoria - Wind at 10 m (kts)

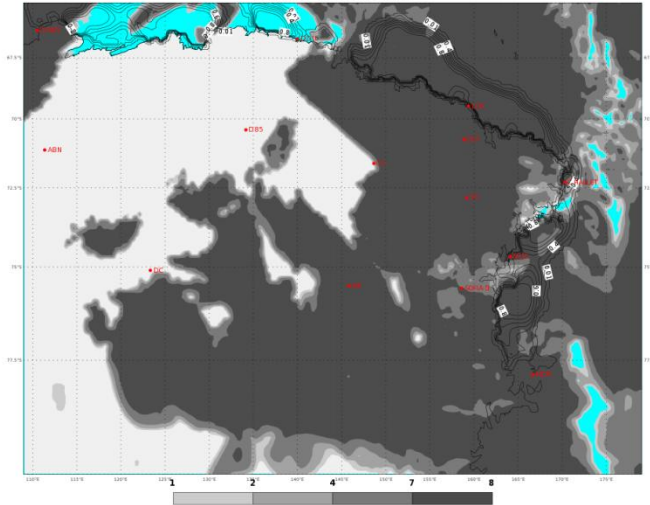


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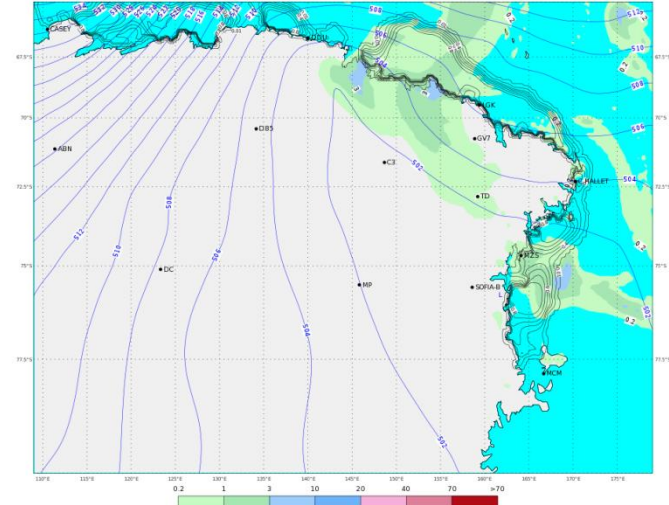
## DOMANI - ORE 19 LT

## TOMORROW - 19 LT

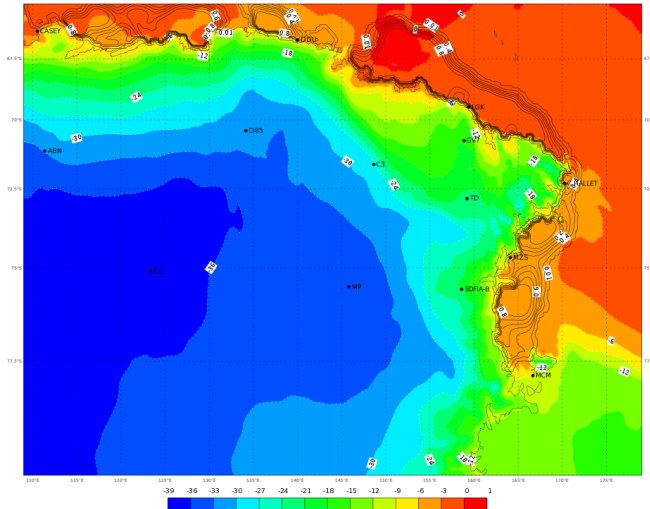
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Terra Vittoria - Total cloud cover (oct)



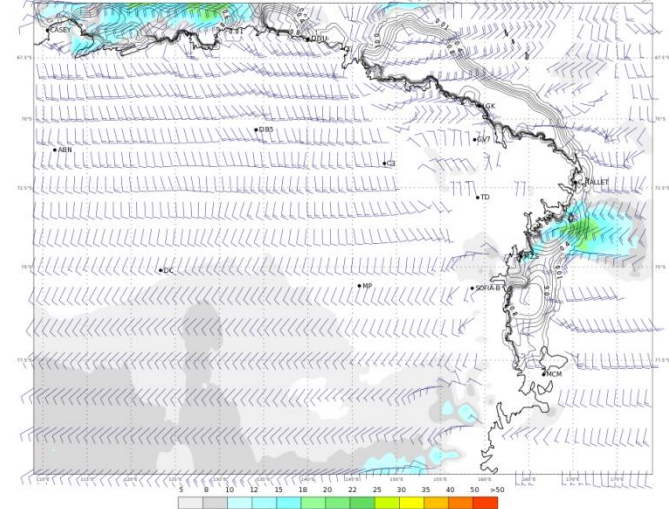
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ECMWF 01 Febbraio 2018 00UTC Forecast T+54 VT: Sabato 03 Febbraio 2018 06UTC  
Terra Vittoria - Temperature at 2 m (°C)






ECMWF 01 Febbraio 2018 00UTC Forecast T+54 VT: Sabato 03 Febbraio 2018 06UTC  
Terra Vittoria - Wind at 10 m (kts)





# WEATHER FORECAST FOR TOMORROW AT TERRA NOVA BAY

## Saturday 03/02/2018

	ORE 07	ORE 13	ORE 19
CIELO			
FENOMENI	NIL	NIL	DEBOLE NEVISCHIO
VENTO MZS	WSW 20/30 KT	WSW 20/30 KT	WSW 15/25 KT
VENTO BOULDER	WSW 30/40 KT	WSW 30/40 KT	WSW 20/30 KT
TEMPERATURA [°C]	-10/-08 °C	-07/-05 °C	-06/-04 °C
WIND CHILL [°C]	-23/-20 °C	-19/-16 °C	-17/-14 °C
STATO DEL MARE	MOSSO	MOSSO	MOSSO

# WEATHER TENDENCY AT TERRA NOVA BAY

Sunday 04/02/2018

	MATTINO	POMERIGGIO
CIELO		
FENOMENI	NIL	NIL
VENTO MZS	WSW 15/25 KT	WSW 15/25 KT
VENTO BOULDER	WSW 20/30 KT	WSW 20/30 KT
TEMPERATURA [°C]	-08/-06 °C	-06/-04 °C
WIND CHILL [°C]	-19/-16 °C	-17/-14 °C
STATO DEL MARE	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO

[http://mzs-pdc.mzs.pnra.it/meteo/bollettino\\_meteo.pdf](http://mzs-pdc.mzs.pnra.it/meteo/bollettino_meteo.pdf)

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# Extreme Values of Yesterday



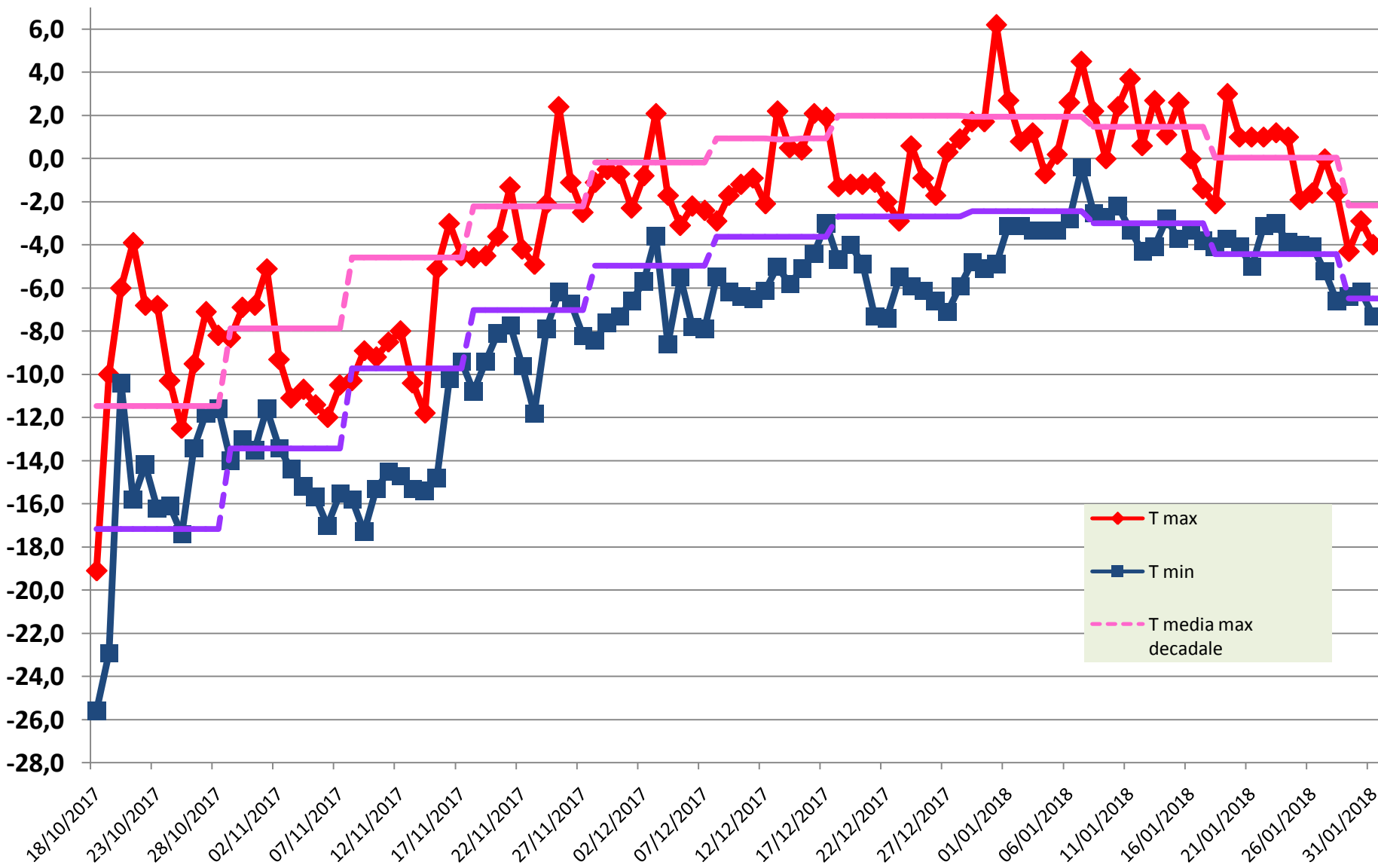
<b>01/02/2018 UTC time (13:00 31/01 - 13:00 01/02)</b>		
<b>MAX temperature</b>	<b>(ore 10:17/L)</b>	<b>-4.0 °C</b>
<b>MIN temperature</b>	<b>(ore 23:47/L)</b>	<b>-7.3 °C</b>
<b>MAX humidity</b>	<b>(ore 20:56/L)</b>	<b>98 %</b>
<b>MIN humidity</b>	<b>(ore 06:33/L)</b>	<b>48 %</b>
<b>MAX wind direction/speed</b>	<b>(ore 10:36/L)</b>	<b>354/8.4 KT</b>

**Remark:** *the reported values are referred to the previous day in terms of Universal Time and not in local time (UTC+13).*



# Temperature measured during the XXXIII Expedition

ENEIDE weather station (MZS) - Antarctic Climatology Observatory

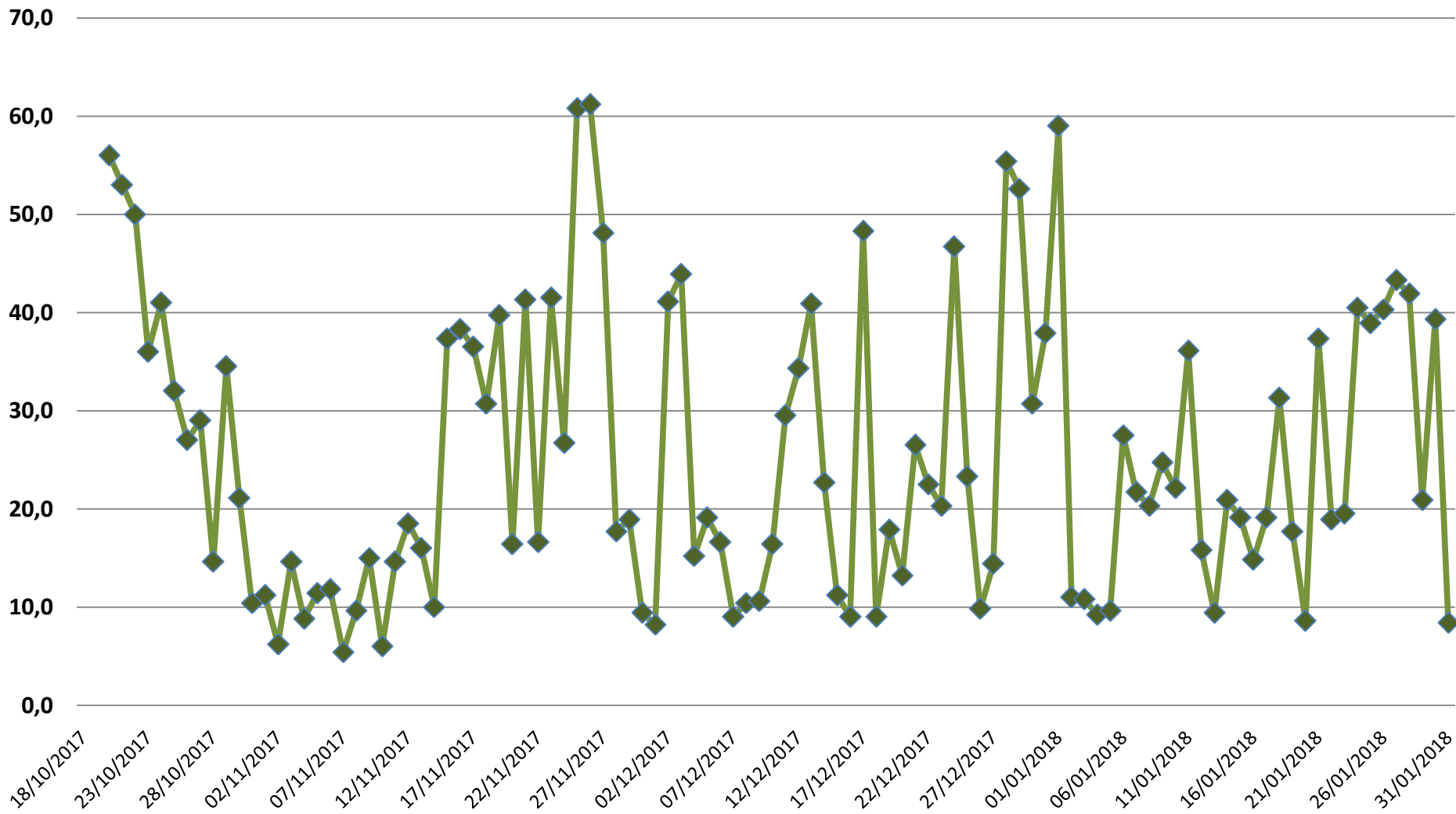






# MAX wind [kt] measured during the XXXIII Expedition

ENEIDE weather station (MZS) - Antarctic Climatology Observatory



**Per ulteriori informazioni contattare  
l'Ufficio Meteorologico di MZS  
int. 510**

**For further information please contact  
MZS Met Office  
ext. 510**

*AVVERTENZA/WARNING*

*Le presenti informazioni NON sono destinate alla pianificazione di volo e/o pre-volo  
The informations here presented are NOT intended for flight planning and/or pre-flight*

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