



# WEATHER

*Meteorological observations and forecasts*

**Wednesday 31/01/2018**

*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

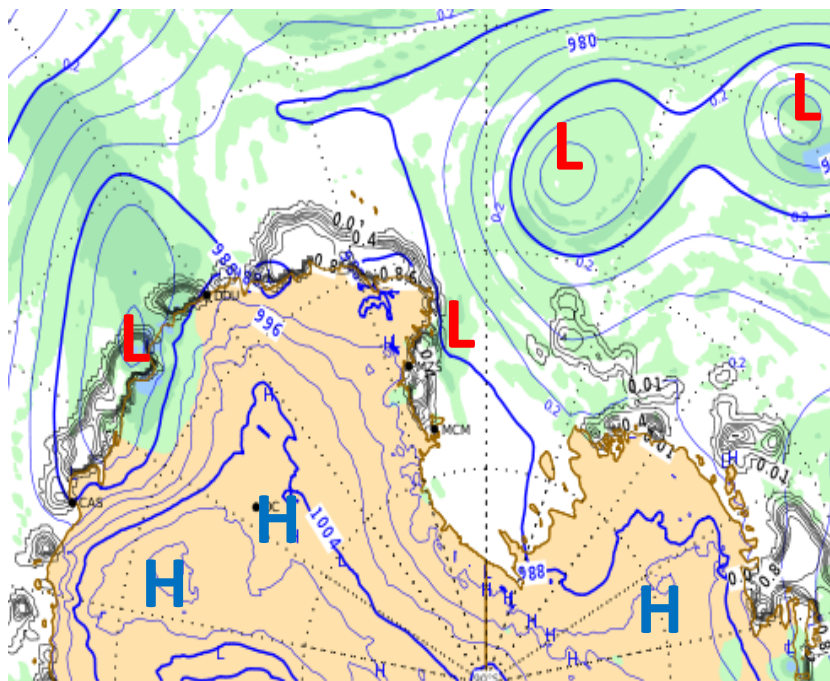
Meteorological observations and forecasts



## Wednesday 31/01/2018

Sea Level Pressure + Precipitation at 07:00

Latest Report



### MARIO ZUCHELLI Station

2018-01-30 17:06:00 UTC (74° 41' 45.3" S, 164° 05' 31.8" E)  
<http://www.climanartide.it>

	Pressure (mba)	978.3
	Temperature (C°)	-5.2
	Wind Speed (knt)	1.8
	Relative Humidity (%)	56
	Sun Radiation (W/m <sup>2</sup> )	63

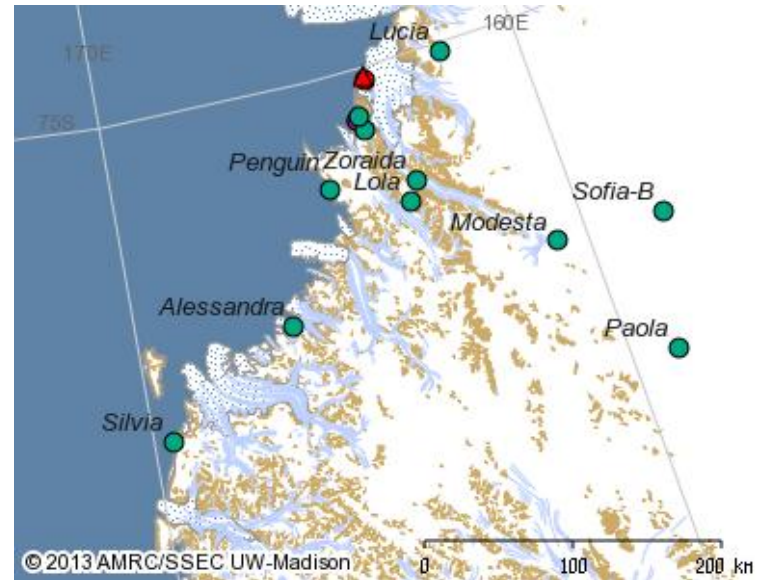
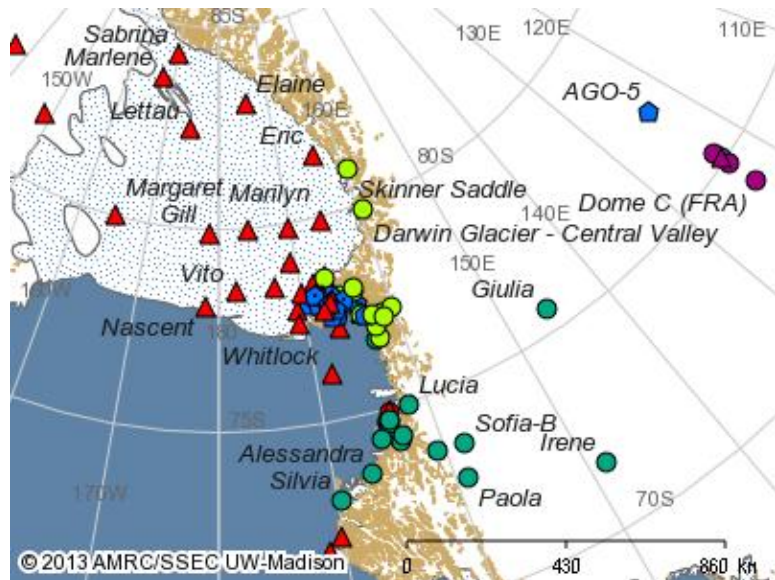
**VENTO AREA BOULDER: SW 03 KT (06:10 loc time recorded)**



# 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	2018-01-30 16:00	280	2	5	-6.8	-6.1	-6.8	64	969.4
Arelis	2018-01-30 16:00	110	1	2	-6.5	-5.5	-6.5	11	970.3
Concordia	2018-01-30 16:00	180	7	8	-44.6	-43.9	-45.4	58	644.1
Eneide	2018-01-30 16:00	160	3	6	-5.4	-5.2	-5.5	59	978.1
Giulia	2018-01-30 16:00	230	7	8	-42.3	-41.3	-42.4	60	711.2
Lola	2018-01-30 16:00	80	6	7	-19.0	-18.1	-19.0	82	800.3
Modesta	2018-01-30 16:00	300	8	14	-33.2	-32.6	-33.3	70	762.4
Paola	2018-01-30 16:00	80	2	2	-29.2	-29.1	-30.8	74	//
Rita	2018-01-30 16:00	240	3	5	-7.8	-7.6	-8.1	56	956.8
Silvia	2018-01-30 16:00	240	22	27	-9.1	-8.9	-9.4	92	922.4
Sofiab	2018-01-30 16:00	150	11	15	-19.3	-19.0	-19.3	86	807.3
Zoraida	2018-01-30 16:00	310	24	30	-16.9	-16.8	-17.3	58	885.2

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

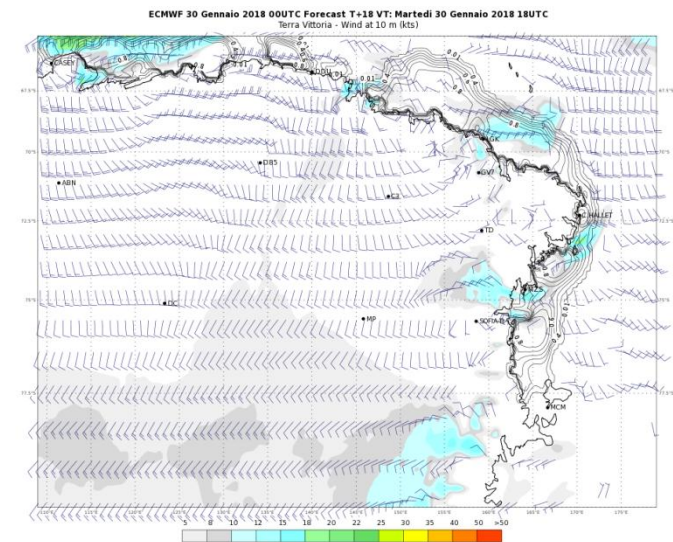
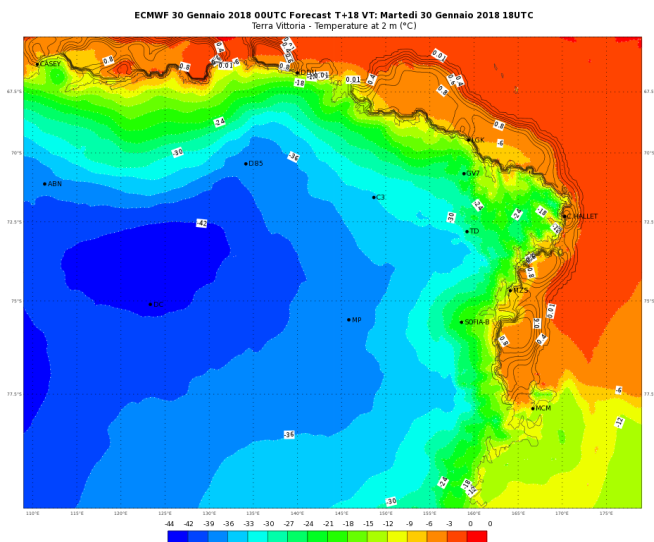
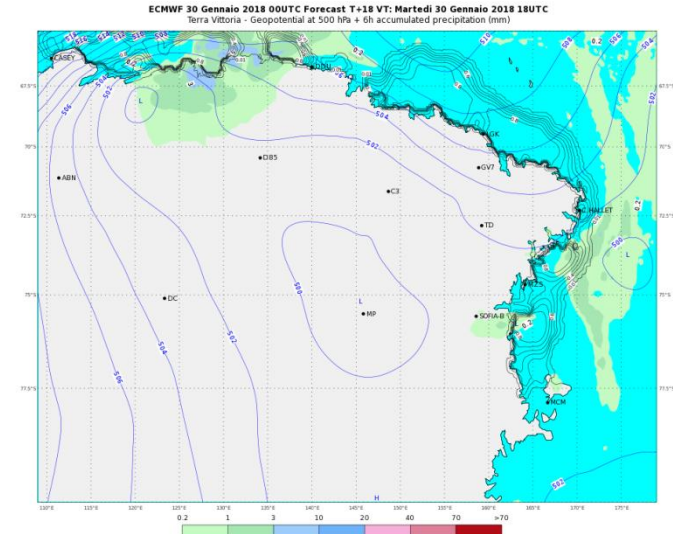
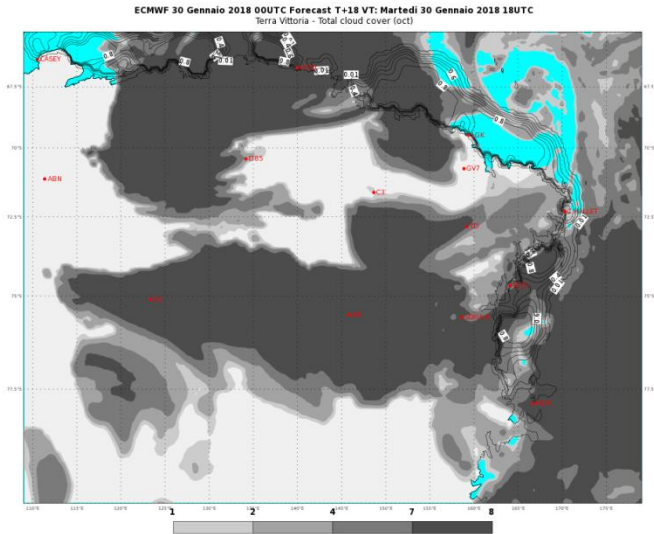


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# PREVISIONI - FORECASTS

## OGGI - ORE 07 LT

## TODAY - 07 LT



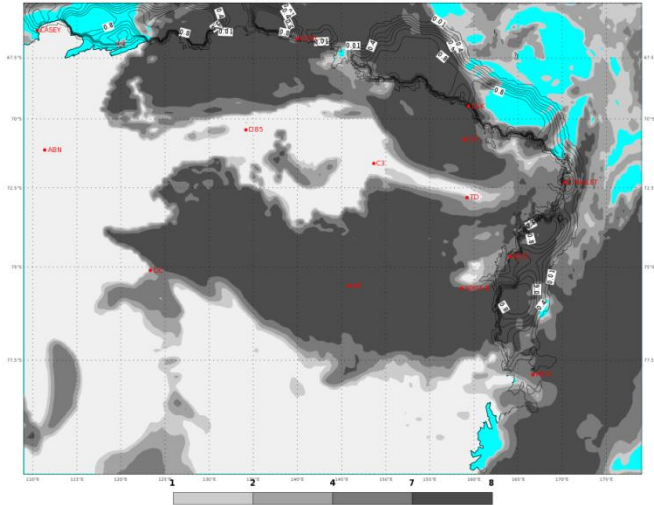


# PREVISIONI - FORECASTS

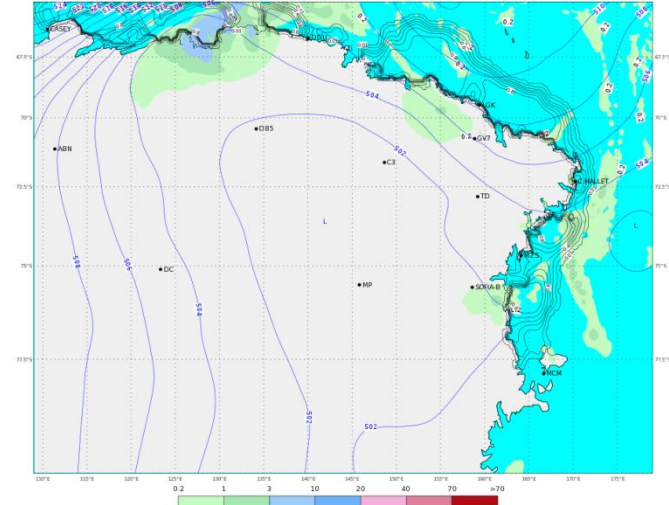
OGGI - ORE 13 LT

TODAY - 13 LT

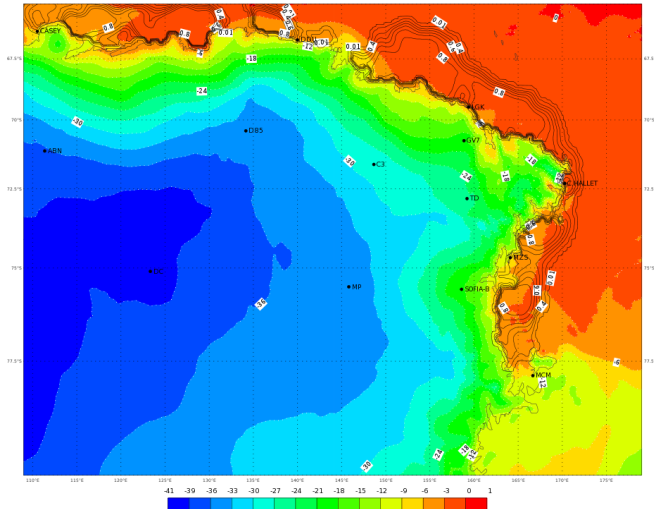
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Terra Vittoria - Total cloud cover (oct)



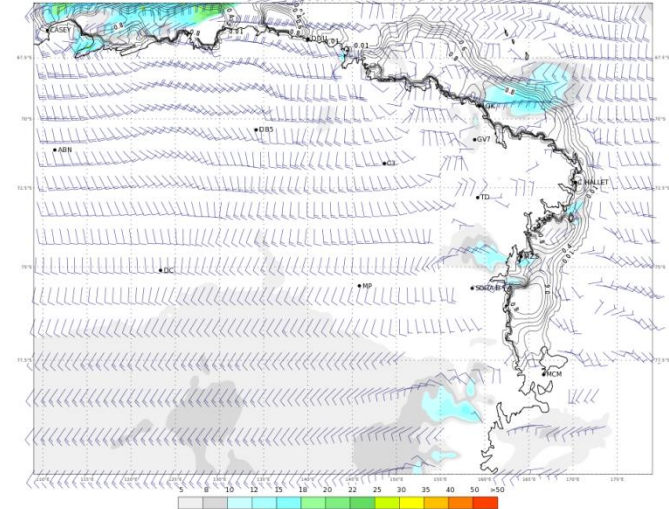
ECMWF 30 Gennaio 2018 00UTC Forecast T+24 VT: Mercoledì 31 Gennaio 2018 00UTC  
Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 30 Gennaio 2018 00UTC Forecast T+24 VT: Mercoledì 31 Gennaio 2018 00UTC  
Terra Vittoria - temperature at 2 m (°C)



ECMWF 30 Gennaio 2018 00UTC Forecast T+24 VT: Mercoledì 31 Gennaio 2018 00UTC  
Terra Vittoria - Wind at 10 m (kts)

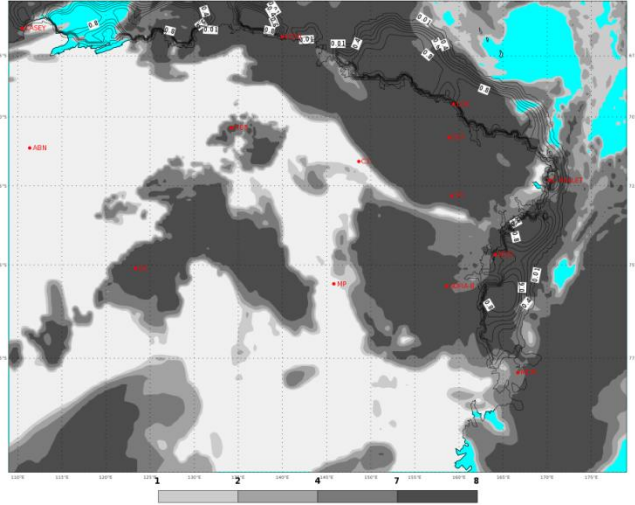


# PREVISIONI - FORECASTS

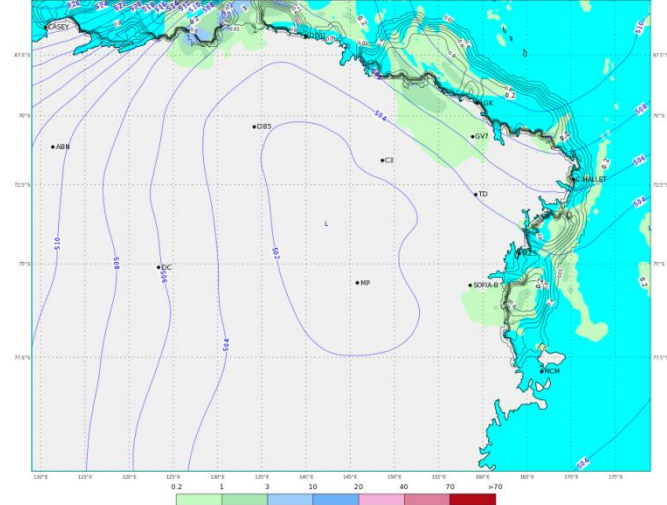
## OGGI - ORE 19 LT

## TODAY - 19 LT

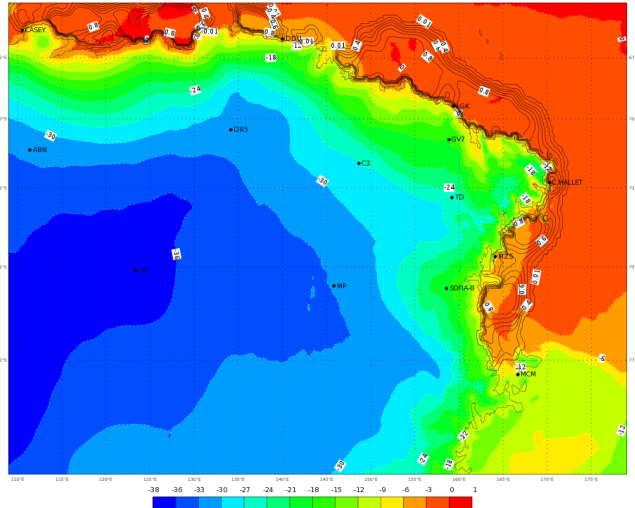
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Terra Vittoria - Total cloud cover (oct)



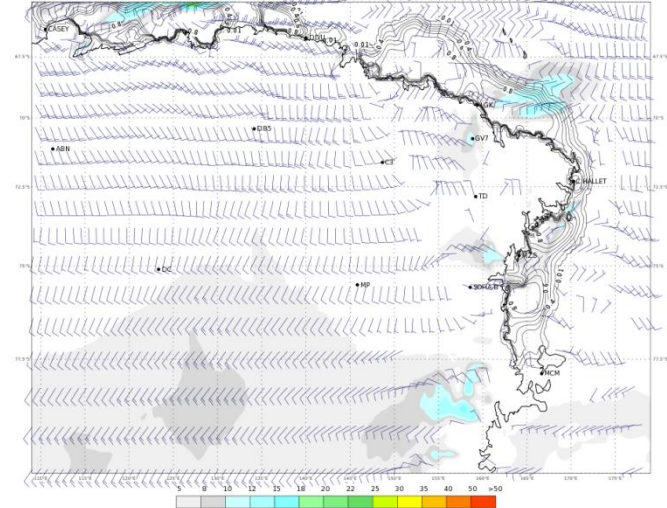
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ECMWF 30 Gennaio 2018 00UTC Forecast T+30 VT: Mercoledì 31 Gennaio 2018 06UTC  
Terra Vittoria - Wind at 10 m (kts)



# WEATHER FORECAST FOR TODAY AT TERRA NOVA BAY

## Wednesday 31/01/2018

	ORE 07	ORE 13	ORE 19
CIELO			
FENOMENI	NIL	NIL	NIL
VENTO MZS	VRB 05 KT	WSW 05/10 KT	WSW 05/10 KT
VENTO BOULDER	VRB 07 KT	WSW 15/20 KT	WSW 15/20 KT
TEMPERATURA [°C]	-08/-06 °C	-07/-05 °C	-07/-05 °C
WIND CHILL [°C]	-13/-10 °C	-14/-11 °C	-14/-11 °C
STATO DEL MARE	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO

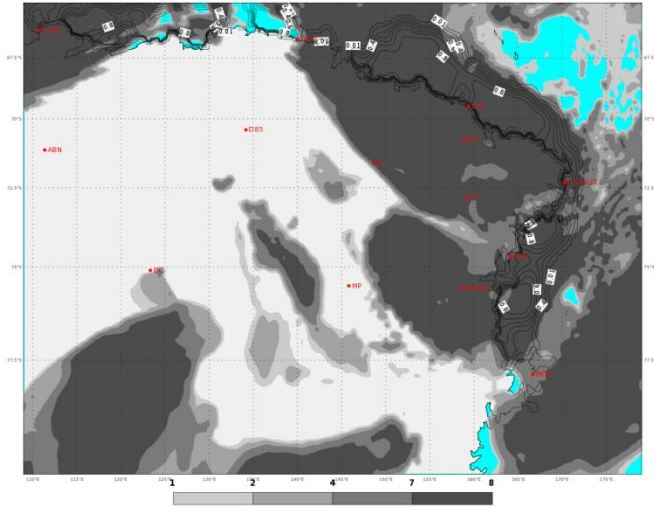


# PREVISIONI - FORECASTS

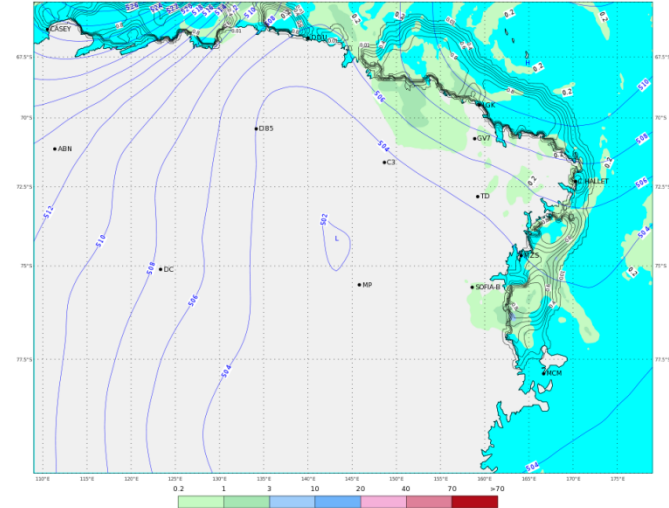
## DOMANI - ORE 01 LT

## TOMORROW - 01 LT

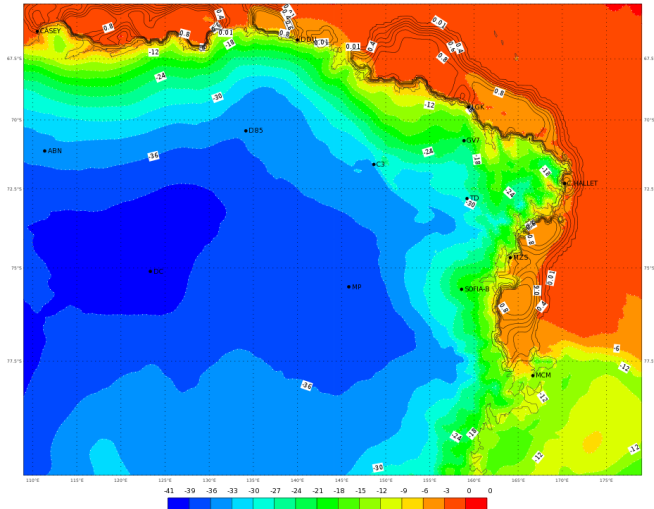
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Terra Vittoria - Total cloud cover (oct)



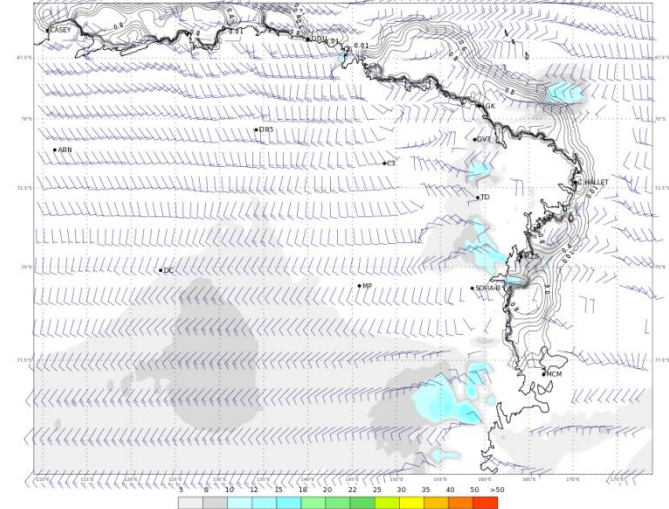
ECMWF 30 Gennaio 2018 00UTC Forecast T+36 VT: Mercoledì 31 Gennaio 2018 12UTC  
Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 30 Gennaio 2018 00UTC Forecast T+36 VT: Mercoledì 31 Gennaio 2018 12UTC  
Terra Vittoria - Temperature at 2 m (°C)



ECMWF 30 Gennaio 2018 00UTC Forecast T+36 VT: Mercoledì 31 Gennaio 2018 12UTC  
Terra Vittoria - Wind at 10 m (kts)

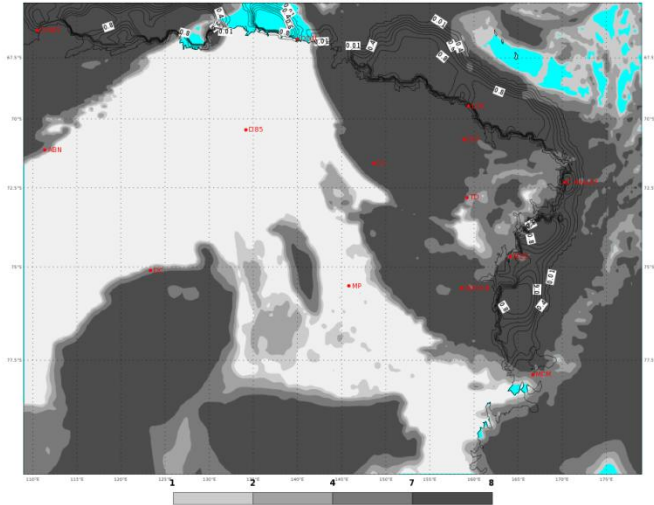


# PREVISIONI - FORECASTS

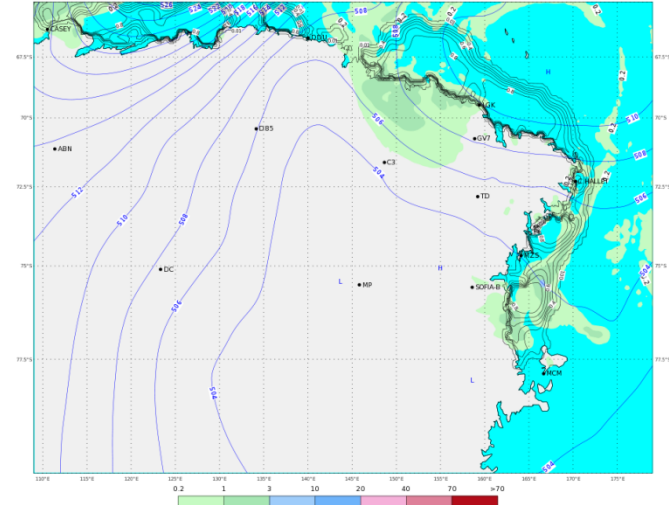
## DOMANI - ORE 07 LT

## TOMORROW - 07 LT

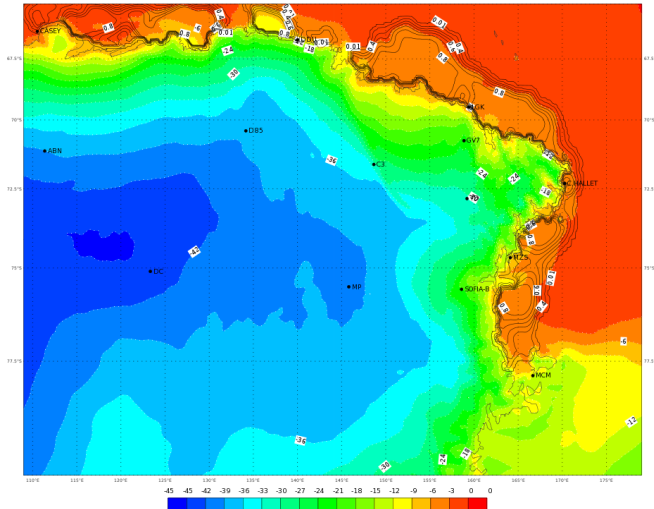
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Terra Vittoria - Total cloud cover (oct)



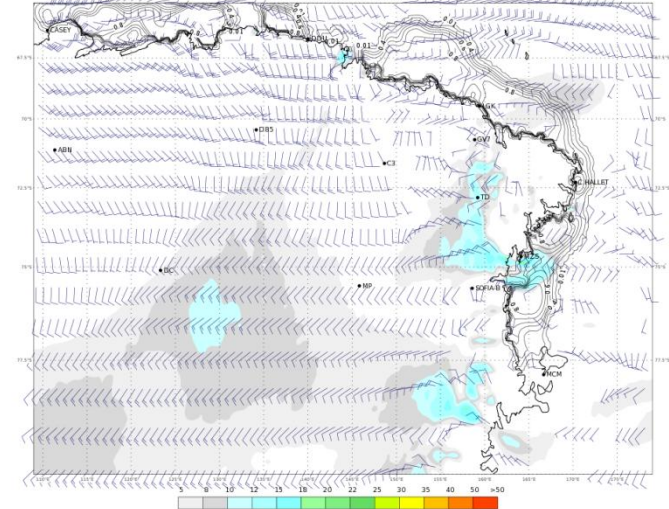
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Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 30 Gennaio 2018 00UTC Forecast T+42 VT: Mercoledì 31 Gennaio 2018 18UTC  
Terra Vittoria - Temperature at 2 m (°C)



ECMWF 30 Gennaio 2018 00UTC Forecast T+42 VT: Mercoledì 31 Gennaio 2018 18UTC  
Terra Vittoria - Wind at 10 m (kts)



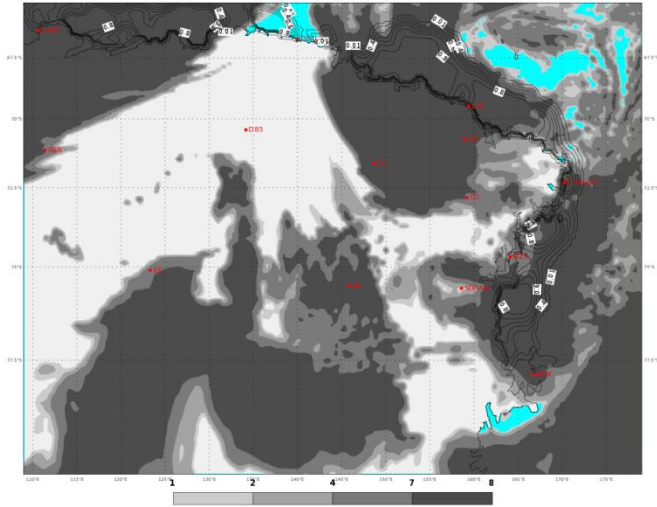


# PREVISIONI - FORECASTS

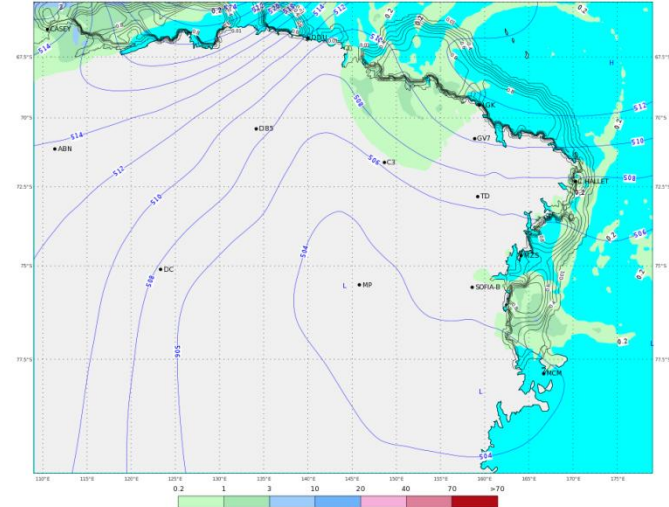
## DOMANI - ORE 13 LT

## TOMORROW - 13 LT

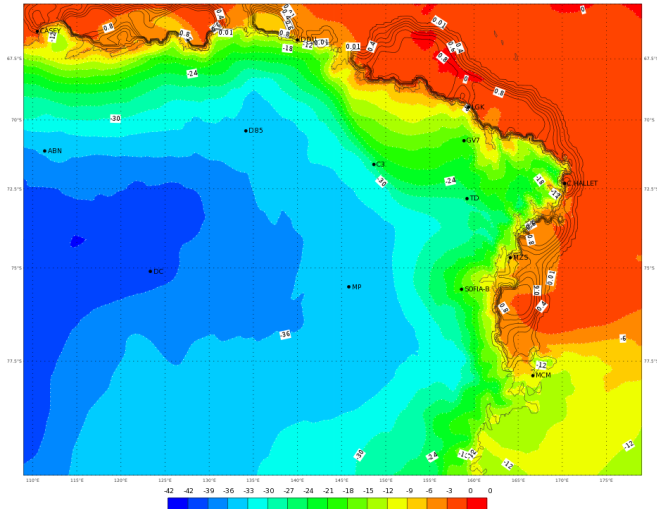
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Terra Vittoria - Total cloud cover (oct)



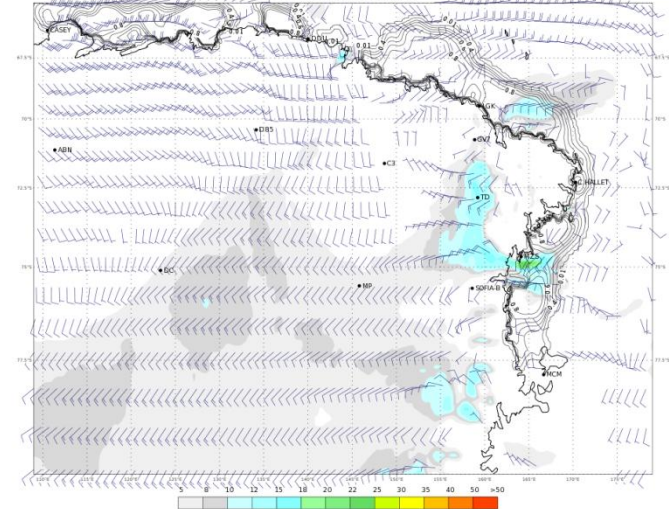
ECMWF 30 Gennaio 2018 00UTC Forecast T+48 VT: Giovedì 01 Febbraio 2018 00UTC  
Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 30 Gennaio 2018 00UTC Forecast T+48 VT: Giovedì 01 Febbraio 2018 00UTC  
Terra Vittoria - temperature at 2 m (°C)



ECMWF 30 Gennaio 2018 00UTC Forecast T+48 VT: Giovedì 01 Febbraio 2018 00UTC  
Terra Vittoria - Wind at 10 m (kts)



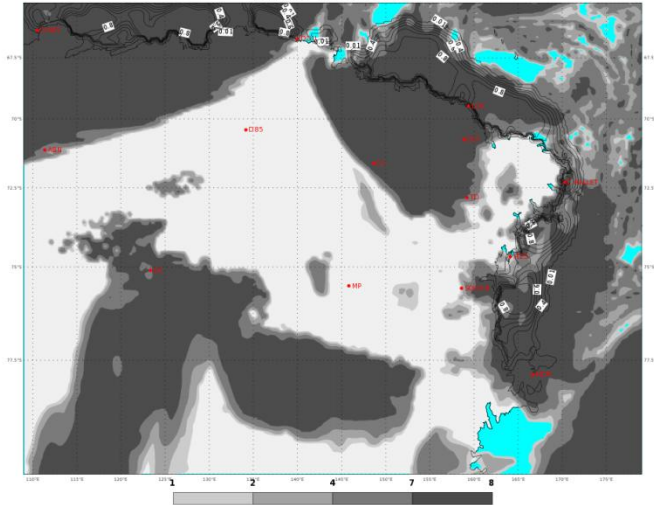


# PREVISIONI - FORECASTS

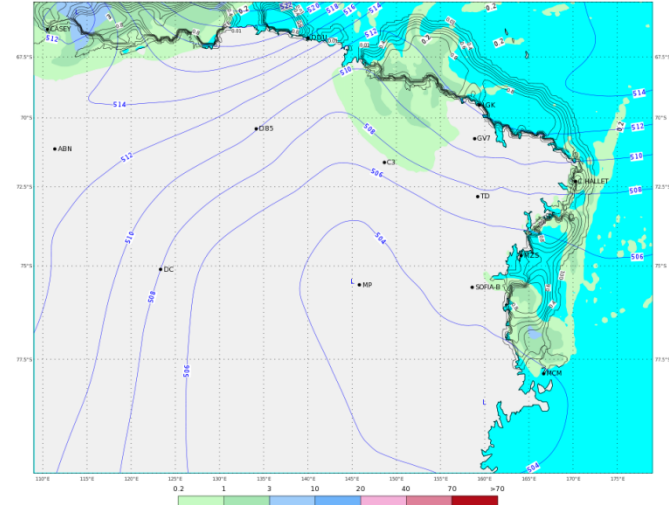
## DOMANI - ORE 19 LT

## TOMORROW - 19 LT

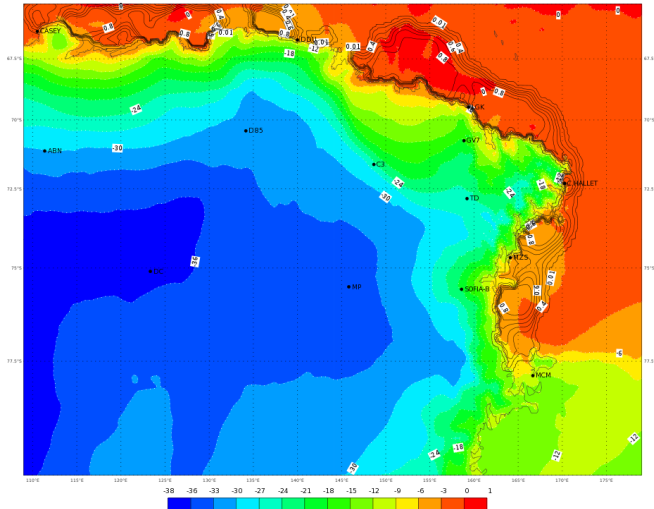
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Terra Vittoria - Total cloud cover (oct)



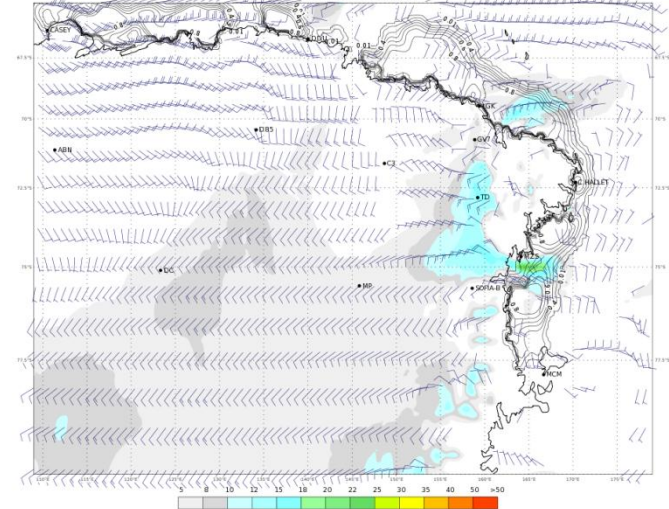
ECMWF 30 Gennaio 2018 00UTC Forecast T+54 VT: Giovedì 01 Febbraio 2018 06UTC  
Terra Vittoria - Geopotential at 500 hPa + 6h accumulated precipitation (mm)



ECMWF 30 Gennaio 2018 00UTC Forecast T+54 VT: Giovedì 01 Febbraio 2018 06UTC  
Terra Vittoria - Temperature at 2 m (°C)






ECMWF 30 Gennaio 2018 00UTC Forecast T+54 VT: Giovedì 01 Febbraio 2018 06UTC  
Terra Vittoria - Wind at 10 m (kts)





# WEATHER FORECAST FOR TOMORROW AT TERRA NOVA BAY

## Thursday 01/02/2018

	ORE 07	ORE 13	ORE 19
CIELO			
FENOMENI	NIL	NIL	NIL
VENTO MZS	WSW 15/25 KT	WSW 20/35 KT	WSW 15/25 KT
VENTO BOULDER	WSW 25/35 KT	WSW 30/45 KT	WSW 25/35 KT
TEMPERATURA [°C]	-10/-08 °C	-07/-05 °C	-06/-04 °C
WIND CHILL [°C]	-21/-18 °C	-19/-16 °C	-16/-13 °C
STATO DEL MARE	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO	POCO MOSSO O MOSSO

# WEATHER TENDENCY AT TERRA NOVA BAY

Friday 02/02/2018

	MATTINO	POMERIGGIO
CIELO		
FENOMENI	NIL	NIL
VENTO MZS	WNW 20/35 KT	WNW 20/35 KT
VENTO BOULDER	WNW 30/45 KT	WNW 30/45 KT
TEMPERATURA [°C]	-10/-08 °C	-08/-06 °C
WIND CHILL [°C]	-23/-20 °C	-20/-17 °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



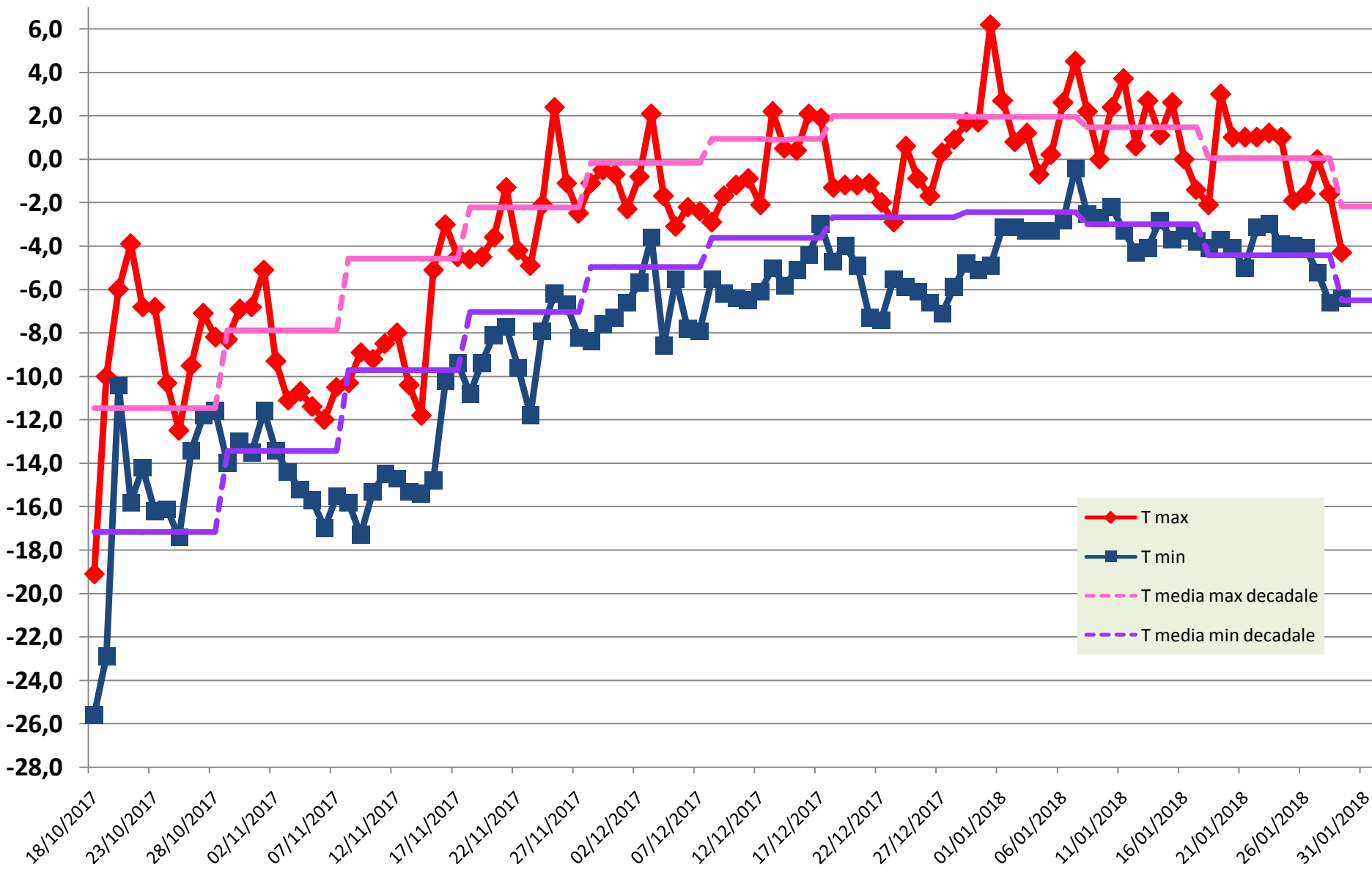
<b>30/01/2018 UTC time (13:00 29/01 - 13:00 30/01)</b>		
<b>MAX temperature</b>	<b>(ore 00:00/L)</b>	<b>-4.3 °C</b>
<b>MIN temperature</b>	<b>(ore 08:35/L)</b>	<b>-6.4 °C</b>
<b>MAX humidity</b>	<b>(ore 09:05/L)</b>	<b>79 %</b>
<b>MIN humidity</b>	<b>(ore 13:15/L)</b>	<b>43 %</b>
<b>MAX wind direction/speed</b>	<b>(ore 23:47/L)</b>	<b>281/20.9 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

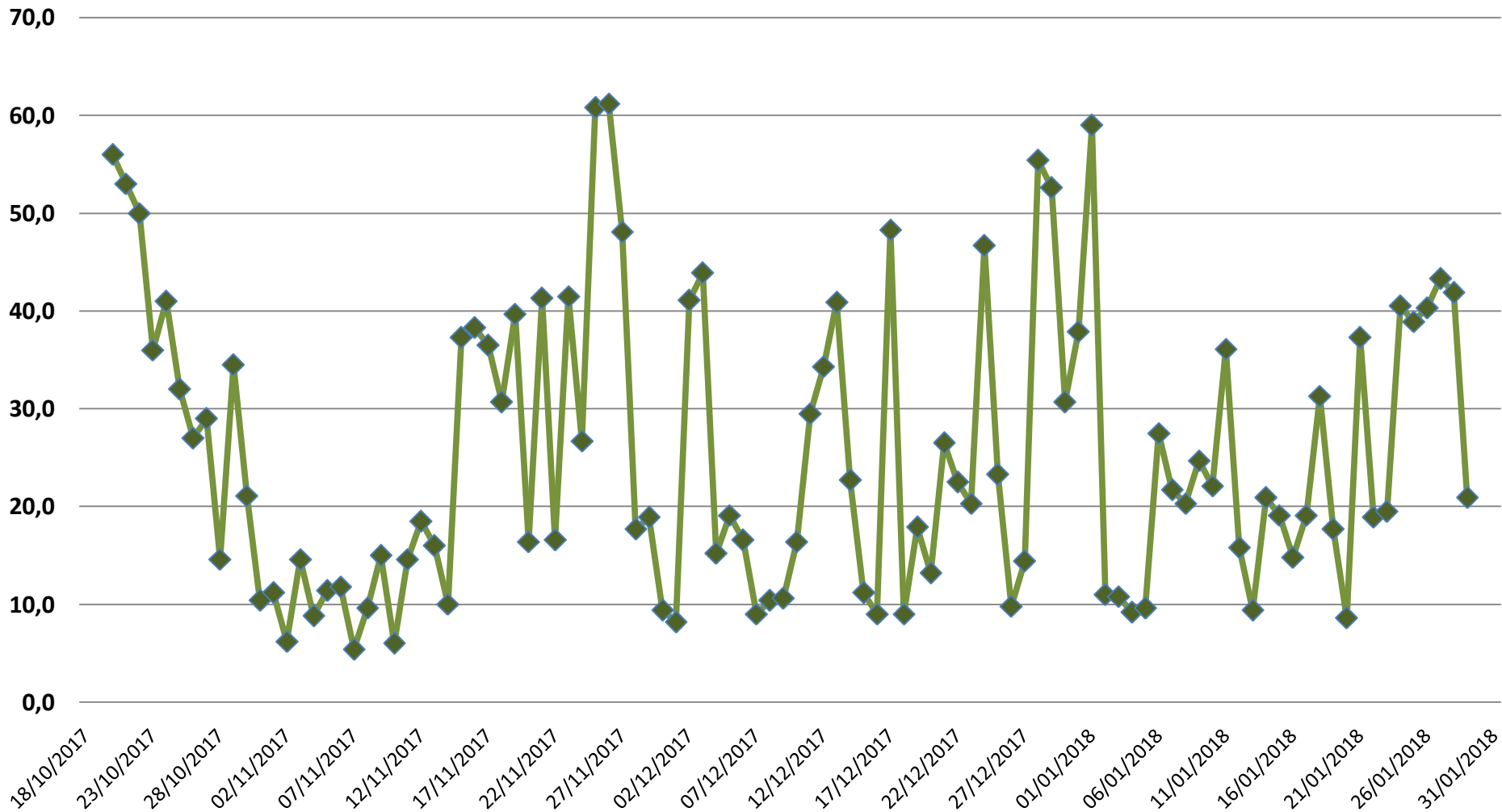
ENEIDE weather station (MZS) - Antarctic Climatology Observatory





# 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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