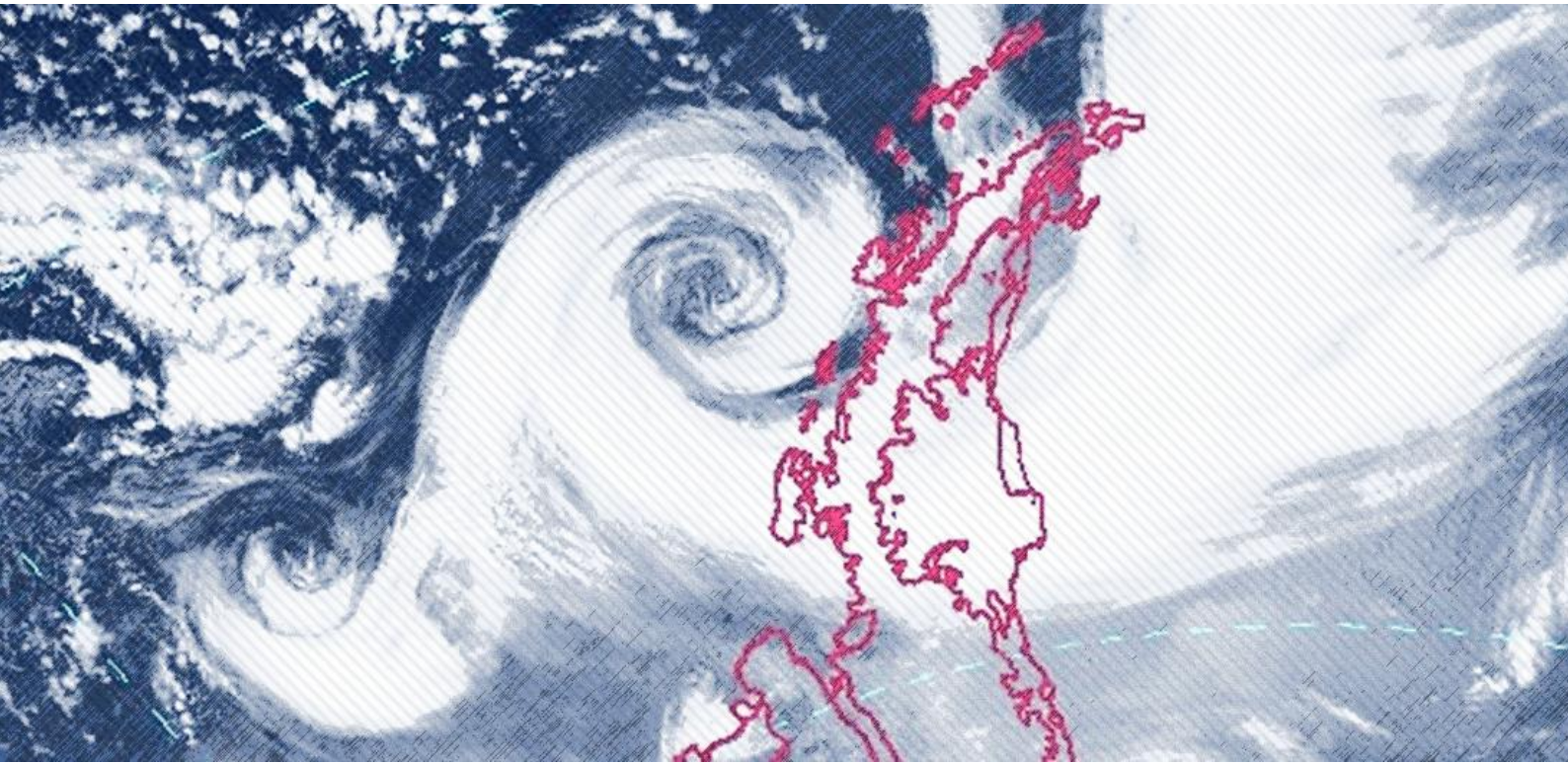




WORLD
ENVIRONMENTAL
CONSERVANCY

MONITORING EXPLOSIVE CYCLONES ON THE COAST OF THE ANTARCTIC CONTINENT



By Romao, M. and Pires, L. B. M.



MONITORING EXPLOSIVE CYCLONES ON THE COAST OF THE ANTARCTIC CONTINENT

JUNE 2023

During this month, only 03 events were registered among the 13 research stations located on the coast of the Antarctic utilized as references for the monitoring of bomb cyclones. The stations hit by a cyclone this month was Palmer and Mirny.

TOTAL OF EVENTS REGISTERED IN STATIONS IN JUNE

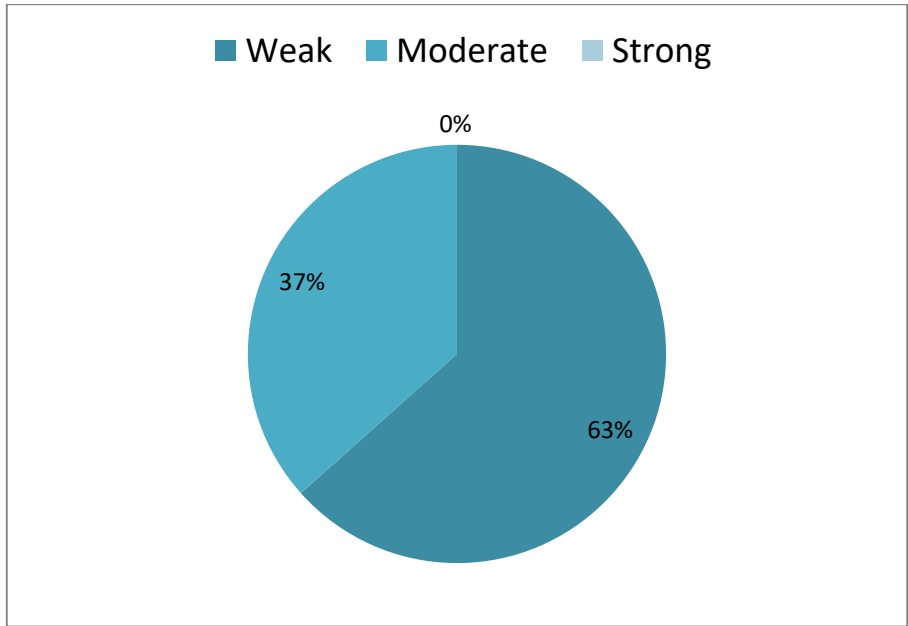
2017	2018	2019	2020	2021	2022	2023
06	10	12	06	09	09	03

STATISTICS OF THE MONTH: JUNE 2023

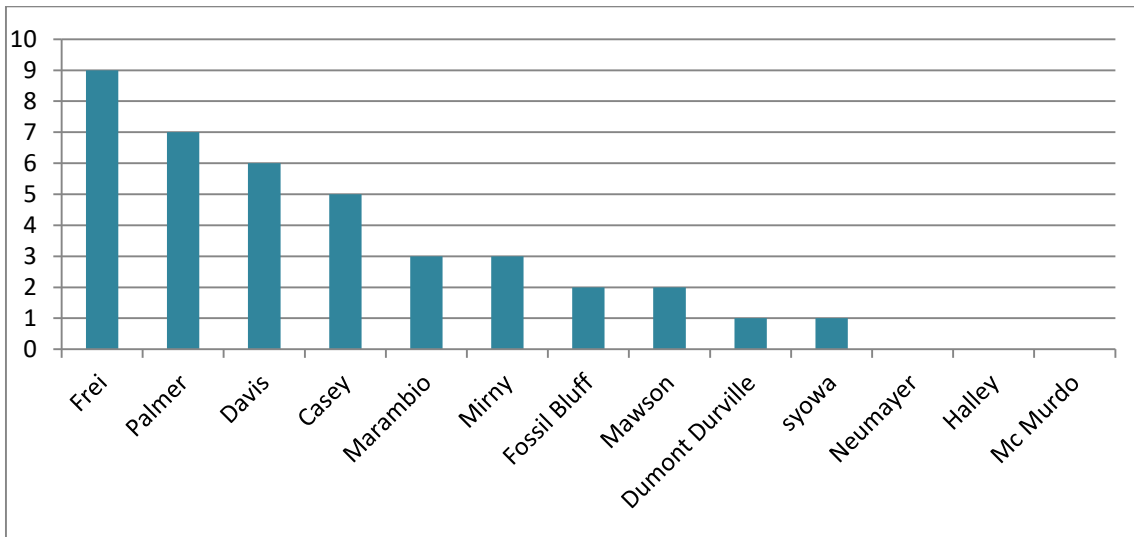
CLASSIFICATION	BERGERON SCALE	INTENSITY	TOTAL OF CASES REGISTERED IN THE MONTH
B1	1 a 1.2	Weak	02
B2	1.3 a 1.8	Moderate	01
B3	> 1.8	Strong	00

HIGHEST PRESSURE DROP	LOWEST RECORDED PRESSURE	HIGHEST SUSTAINED WIND
-30.6 hPa/24h	963.9 hPa	28.0 m/s
Mirny Station	Palmer Station	Mirny Station
June 06	June 10	June 06

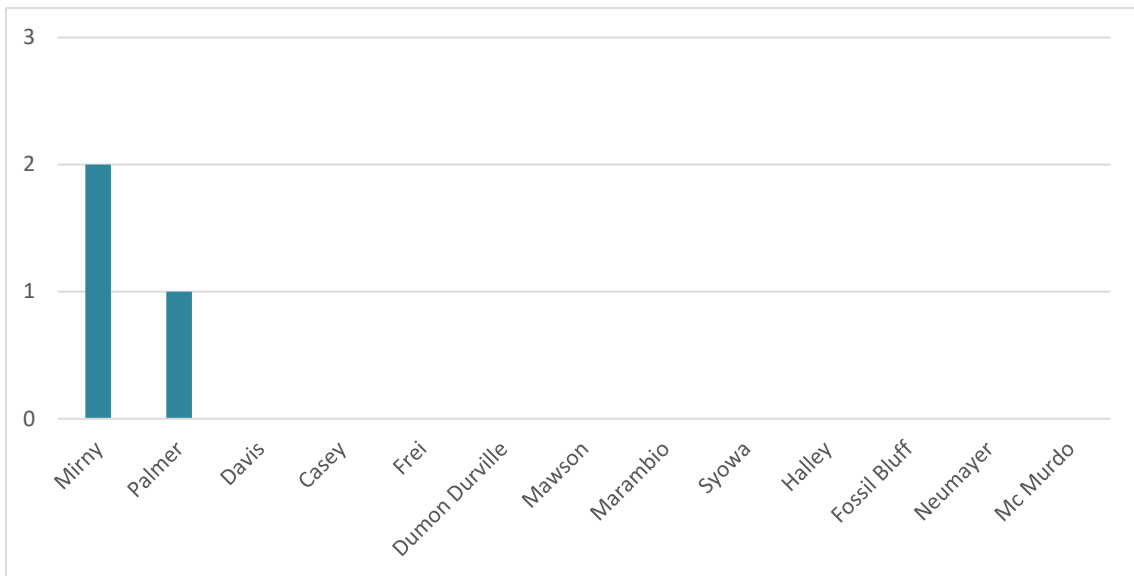
BERGERON INTENSITY TOTAL OF ANNUAL EVENTS IN 2023



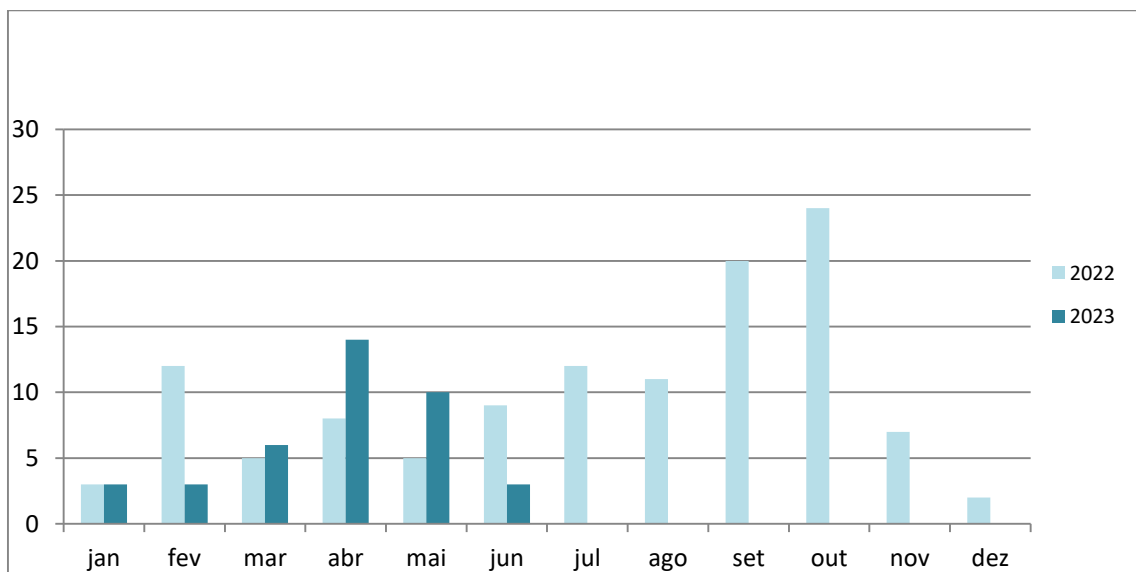
TOTAL OF EVENTS REGISTERED BY STATION IN 2023



TOTAL OF EVENTS REGISTERED IN EACH STATION IN THE MONTH OF JUNE/2023

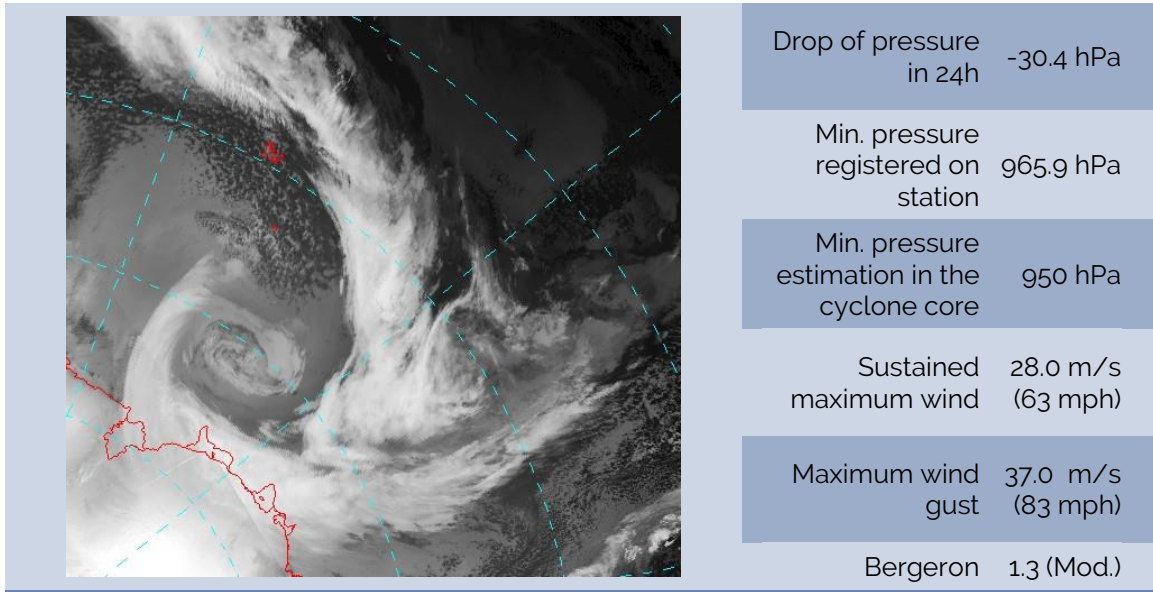


TOTAL EXPLOSIVE CYCLONES IN THE ANTARCTIC



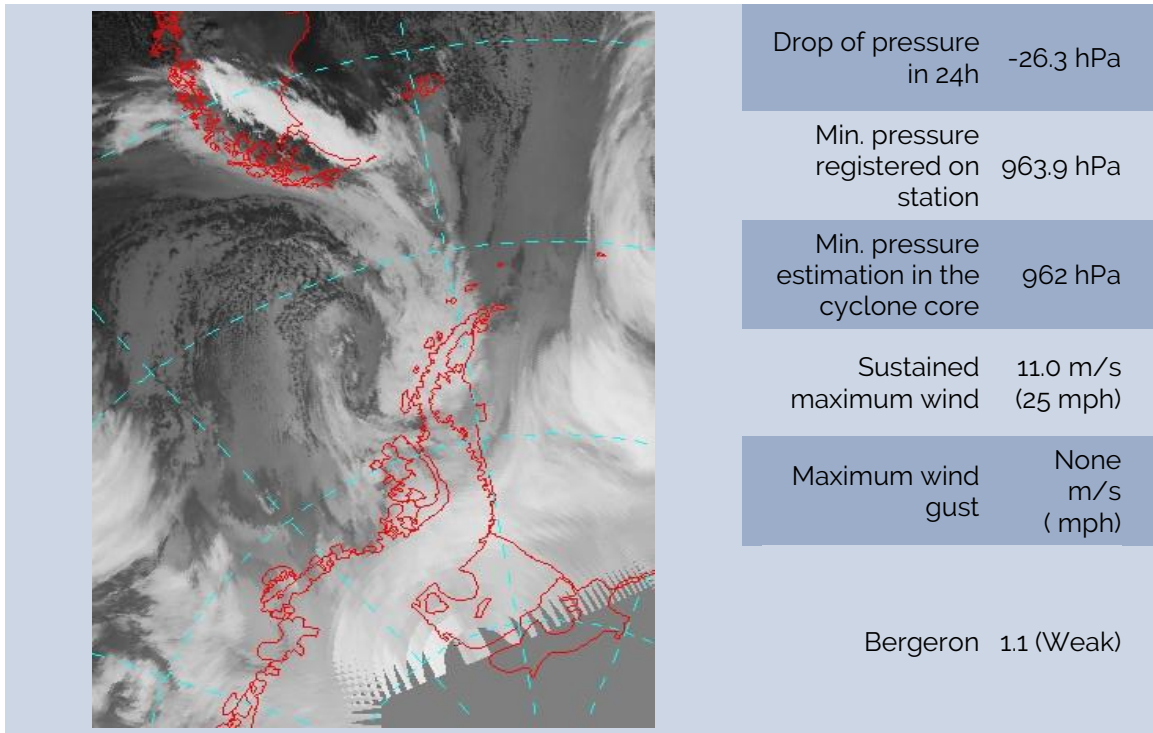
BOMB CYCLONE N°37/2023- DATE: JUNE/06/2023

LOCAL: MIRNY STATION – WMO 89592 (OPERATED BY RUSSIA)



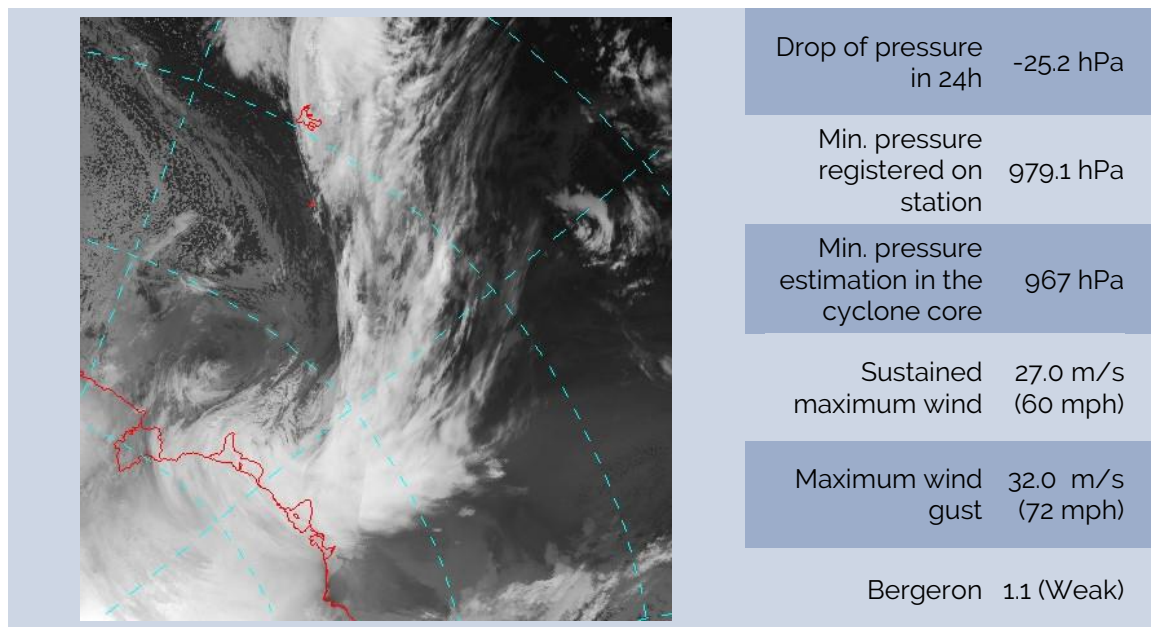
BOMB CYCLONE N°38/2023 - DATE: JUNE/10/2023

LOCAL: PALMER STATION – WMO 89061 (OPERATED BY U.S.A.)



BOMB CYCLONE N°39/2023 - DATE: JUNE/24/2023

LOCAL: MIRNY STATION – WMO 89592 (OPERATED BY RUSSIA)



SOURCES

<https://worldview.earthdata.nasa.gov>

<http://www.bom.gov.au>

<https://data.aad.gov.au>

<http://www.smn.gov.ar>

<http://meteoarmada.directemar.cl>

<https://www.marinha.mil.br/chm/chm/dados-do-smm-cartas-sinoticas>

<https://amrc.ssec.wisc.edu/>