

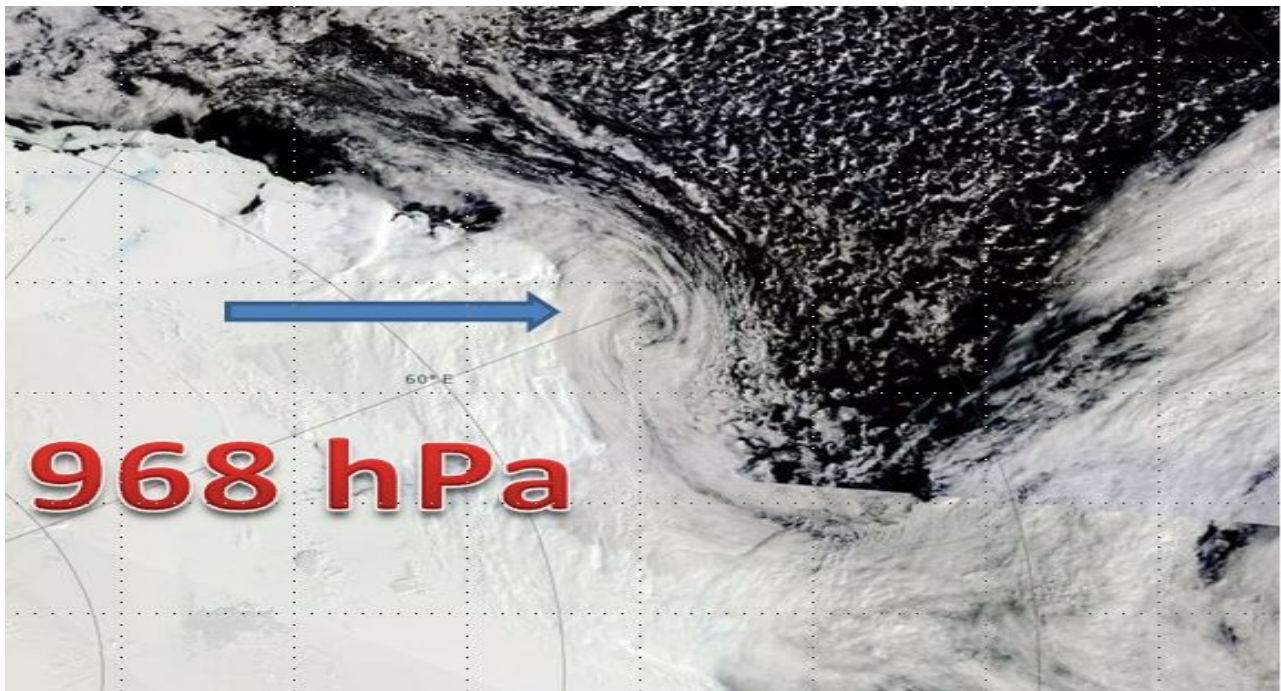
MONITORING EXPLOSIVE CYCLONES ON THE COAST OF THE ANTARCTIC CONTINENT

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FEBRUARY/2017

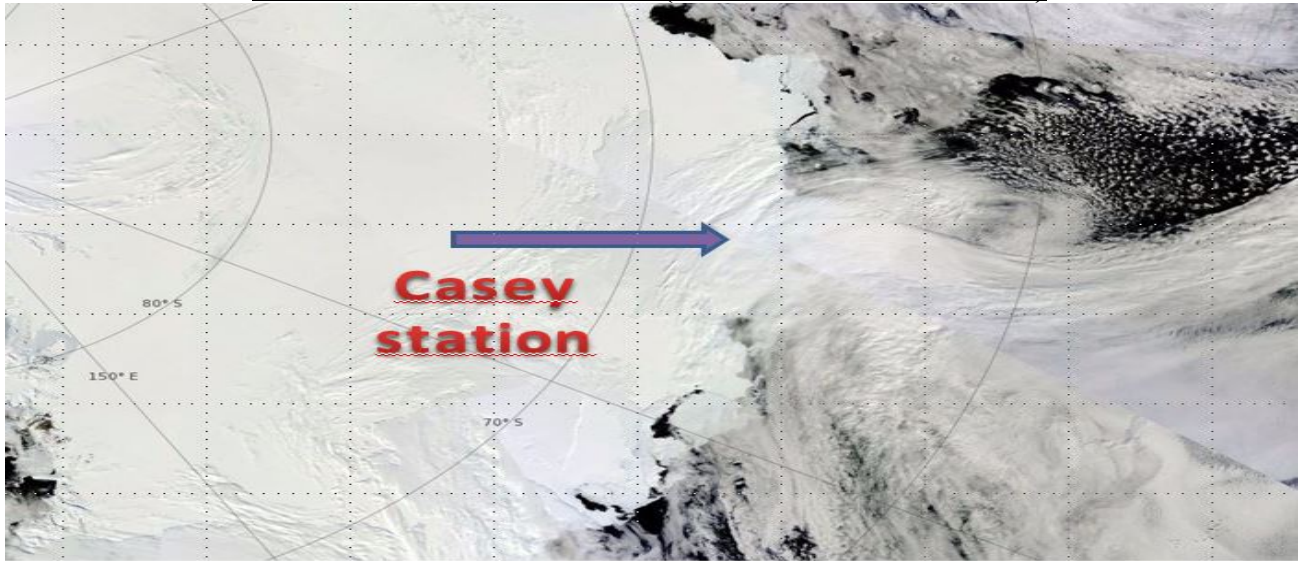
During this month, among all 12 research stations that we used as references for the monitoring of explosive cyclones located on the coast of Antarctic, only 03 events were registered, in the stations of: Mawson, Casey and Dumont D'Urville. The most intense cyclone recorded was around Mawson station with sustained winds of up to 27.8 m/s (62.2 mph). Although the strongest winds were recorded at Mawson station, it was in Dumont D'Urville where the lowest atmospheric pressure was recorded at sea level, with values reaching 961.7 hPa; but at the center of the cyclone, the lowest pressure estimate was 947.0 hPa.

EXPLOSIVE CYCLONE N°01/2017- DATA: 10/FEV/2017
LOCAL: MAWSON STATION (OPERATED BY AUSTRALIA)



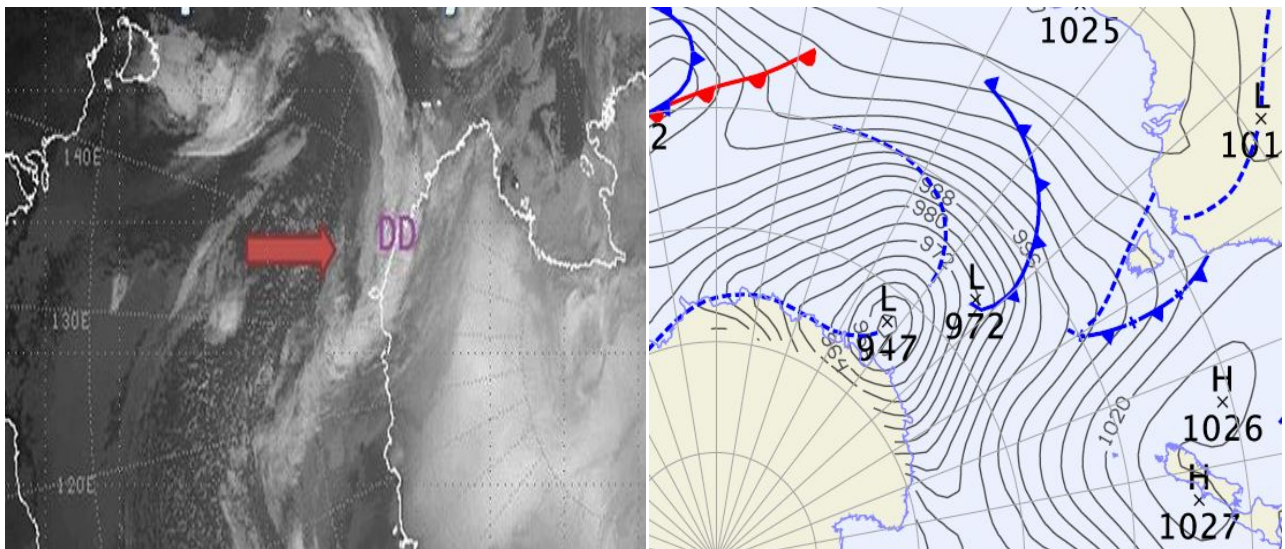
DROP OF PRESSURE IN 24H: 24.5 hPa
MINIMUM PRESSURE REGISTERED ON STATION: 972.6 hPa
MINIMUM PRESSURE ESTIMATION IN THE CYCLONE CORE: 968 hPa
SUSTAINED MAXIMUM WIND: 27.8 m/s (62.2 mph)
BERGERON: 1.0 (WEAK)

EXPLOSIVE CYCLONE N°02/2017- DATA: 12/FEV/2017
LOCAL: CASEY STATION (OPERATED BY AUSTRALIA)



DROP OF PRESSURE IN 24H: 24.5 hPa
MINIMUM PRESSURE REGISTERED ON STATION: 964.6 hPa
SUSTAINED MAXIMUM WIND: 25.7 m/s (57.5 mph)
BERGERON: 1.0 (WEAK)

EXPLOSIVE CYCLONE N°03/2017- DATA: 22/FEV/2017
LOCAL: DUMONT D'URVILLE STATION (OPERATED BY FRANCE)



DROP OF PRESSURE IN 24H: 27.6 hPa
MINIMUM PRESSURE REGISTERED ON STATION: 961.7 hPa
MINIMUM PRESSURE ESTIMATION IN THE CYCLONE CORE: 947 hPa
SUSTAINED MAXIMUM WIND: 22.7 m/s (50.8 mph)
BERGERON: 1.2 (WEAK)