

# Lufft WS200 wind sensors on a research station in the Antarctica



Base Orcadas is an Argentine scientific research station in the Antarctica. It is located on Laurie Island, one of the South Orkney Islands (Spanish: Islas Orcadas del Sur), at 4 meters (13.1 ft) above sea level and 170 meters (558 ft) from the coastline and is the oldest one there which is still in operation. The nearest port is the Argentine city of Ushuaia, which is 1,502 km (933 mi) away. Established by the Scottish National Antarctic Expedition in 1903 and transferred to the Argentine government in 1904, the base has been permanently populated since, being one of six Argentine permanent bases in Argentina's claim to Antarctic, and the first permanently inhabited base in Antarctic.

According to the Köppen climate classification system, the station is located under a tundra climate, very close to an ice cap climate. The research base has 11

buildings and four main research areas: continental glaciology, seismology, sea-ice-zone glaciology (since 1985) and meteorological observations (since 1903).

In 2011, our partner [American Traffic S.A.](#) won a project to install 20 of our [WS200 ultrasonic wind anemometers](#) around the station. In Addition 40 weather stations were installed in warmer fields of Argentina, proving the high flexibility and reliability of Lufft sensors.