

The image features two whales swimming in a deep blue ocean. The background is a gradient of blue, with large, semi-transparent letters 'IHW' overlaid on the left side. The whales are positioned diagonally, with one in the upper left and another in the lower right. The text 'Science & Education Report' is centered in white, bold font, with 'MS FRAM' in a smaller white font below it.

Science & Education Report

MS FRAM

MS FRAM
28th February-
21st March
2026

**In-depth South Georgia,
Falklands & Antarctica
Expedition**



History & Culture

Stanley – Falkland Islands

Stanley revealed the political and maritime heart of the Falklands, where colorful colonial houses, historic shipwrecks, and monuments reflect both its 19th-century British heritage and the lasting impact of the 1982 conflict.



History & Culture

Godthul – South Georgia

Remains of the whaling era on South Georgia. Godthul was named by early Norwegian sealers and later used as a sheltered anchorage during the height of South Georgia's whaling era.



History & Culture

Grytviken - South Georgia

Visiting the graves of Sir Ernest Shackleton and Frank Wild. We listened to the speech of our historian Sandra and cheered the Boss with a glass of whiskey.



History & Culture

Grytviken - South Georgia

Monument showing the number of whales that had been killed around South Georgia since 1904. It serves as a historical marker and a place of reflection on the environmental impact of whaling and the legacy it left behind.



History & Culture

Grytviken – Museum

We visited the South Georgia Museum which is in the former manager's villa of the whaling station established by Carl Anton Larsen in 1904. Today, it preserves the island's rich history – from sealing and whaling to exploration – closely linked to figures such as Ernest Shackleton, whose grave lies nearby.





NASA Globe Cloud Observer

We collected four observations for NASA. Don't hesitate to continue looking at the sky back home, since every contribution helps scientists.

[View our data](#) on the global map

Observation	GLOBE	GOES-19 Satellite	NOAA-20 Satellite
Universal Date/Time	2026-03-04 17:42:00	2026-03-04 17:37	2026-03-04 17:50
Latitude	-52.27	-52.59 to -51.95	-52.72 to -51.92
Longitude	-57.43	-57.75 to -57.11	-57.8 to -57
Total Cloud Cover	Overcast (>90%) 	Overcast 100.00% 	Overcast 100.00% 
High Clouds		Cover: Overcast 100.00%  Altitude: 7.99 (km) Phase: Ice 232.64 (K) Opacity: Opaque	Cover: Overcast 93.55%  Altitude: 6.81 (km) Phase: Ice 237.17 (K) Opacity: Opaque
Mid Clouds			Cover: Few (6.45%)  Altitude: 5.57 (km) Phase: Ice 247.56 (K) Opacity: Opaque
Low Clouds	 Nimbostratus Cover: Broken (50-90%)  Opacity: Opaque		
GLOBE Cloud Photos and Corresponding NASA Satellite	GLOBE Photos North  East  South 	GOES-19 Visible  Infrared 	VIIRS NOAA-20 Worldview  Worldview Tutorial

NASA Globe Cloud Observer

Some of these observations were matched to satellites. This table shows how our observation from the ground compared to the satellite's observation from above.

[View our data on the global map](#)



Thermal Imaging project

MS Fram is on a mission to collect thermal images of ice in the isolated locations we visit.

We collected thermal images of different icebergs and glaciers at 2 different locations during our voyage, at Signy research station and Lemaire Channel, Antarctica.

[View our data](#) on the thermal image map

Science Boat

During our voyage, we conducted 10 science boats , during which we collected Secchi disk measurements, CTD data, and plankton samples.

Our CTD data was submitted to the [South Atlantic Environmental Research Institute SAERI \(SAERI\)](#), while our Secchi disk data were uploaded to the [Secchi Disk Project](#). Finally, the plankton samples collected for [FjordPhyto](#) will be used to improve our understanding of the impacts of climate change on phytoplankton communities.

Thank you for your enthusiasm in joining the science boats and plankton sessions!





FjordPhyto

During our voyage, we collected two samples for the FjordPhyto project, along with Secchi Disk and CTD data. These measurements will help scientists gain a better understanding of the variation and dynamics of the phytoplankton community around the Antarctic Peninsula and sustain this long-term project involving more citizen scientists like you. Thank you very much for your enthusiasm and interest in the plankton communities!

To learn more about FjordPhyto, [please click here.](#)





iNaturalist

Thanks to your efforts, we recorded over 240 observations representing more than 90 different species on iNaturalist. These opportunistic observations contribute to a greater understanding of biodiversity in the remote regions where we sail. By sharing this data on iNaturalist, you are helping to build a global, open-access database that supports scientific research, conservation efforts, and species monitoring. Your contributions provide valuable records that researchers and conservationists can use to track species distributions and better understand ecosystem health.

You can view the project and also upload your observations from our voyage [by clicking here.](#)



eBird

Your onboard ornithologists completed 89 eBird checklists of 70 different species.

[View our data on our e-Bird trip report](#)

Happywhale

We submitted 7 photos to Happywhale during our voyage, with a total count of over 100 of whales and dolphins. Particularly special sightings included a blue whale during the first sea day from Punta Arenas to the Falklands, which was a first for the area, and two southern right whales after departing Stanley. Opportunistic sightings like these shows the power of Happywhale as a tool to collect key information on movements patterns of marine mobile animals. Thank you everyone for helping spot wildlife out on deck!

[View our submissions to Happywhale](#)



Guest scientists



We had the privilege of hosting Jayne Dobner and Rachael Barber, volunteer research scientists from [ORCA](#).

Jayne and Rachael have been on board carrying out some exciting whale research, a project that is monitoring recovering large whale populations in the Southern Ocean with a particular focus around South Georgia and the Antarctic Peninsula.

Jayne and Rachael have primarily been collecting data from the bridge of the ship. They have counted a total of 151 animals across 83 sightings during surveys, including Fin, Humpback and Southern Right whales and Dusky, Hourglass and Peale's dolphins.

Scan the QR code to learn
More about ORCA.



Guest scientists



We also had the privilege of hosting Sarina Niedzwiedz and Cátia Monteiro, guest scientists from University of Bremen, Germany and CIBIO/BIOPOLIS, Portugal. Amongst others, this work is supported by the EU project SEA-Quester (scan the QR code to find out more).

Sarina and Cátia have been monitoring coastal biodiversity, particularly seaweed communities, physiology and population connectivity from Patagonia, Falkland Islands, South Georgia, South Orkneys to the Antarctic Peninsula.

They have primarily been collecting data from the shore and zodiac during landings. They have collected a total of 200 seaweed samples, several grazer species, and water samples from 17 locations.





Guest scientists

We also had the privilege of hosting Jasmine Lee and Roger Stillwell from the British Antarctic Survey.

Jasmine and Roger were picked up from Signy Island, where Jasmine's project was examining human impacts around the research station area. Impacts could include disturbance or trampling, pollution, or presence of non-native species.

Jasmine and Roger continued data collection for the project at some of the landing sites in the Peninsula. They did surveys at Deception Island at varying distances along the footpath, measuring things like soil compaction and vegetation cover.

Wildlife List - Marine Mammals



Wildlife List – marine mammals



SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Balaenoptera borealis</i>	Sei whale	Seiwal
<i>Balaenoptera physalus</i>	Fin whale	Finnwal
<i>Megaptera novaeangliae</i>	Humpback whale	Buckelwal
<i>Balaenoptera musculus</i>	Blue whale	Blauwal
<i>Balaenoptera bonaerensis</i>	Antarctic Minke whale	Südlicher Zwergwal
<i>Eubalaena australis</i>	Southern Right whale	Südkaper
<i>Lagenorhynchus australis</i>	Peale's dolphin	Peale-Delfin
<i>Lagenorhynchus obscurus</i>	Dusky dolphin	Dunkler Delfin
<i>Lagenorhynchus cruciger</i>	Hourglass dolphin	Stundenglasdelfin
<i>Arctocephalus gazella</i>	Antarctic fur seal	Antarktischer Seebär
<i>Arctocephalus australis</i>	South American Fur Seal	Südamerikanischer Seebär
<i>Hydrurga leptonyx</i>	Leopard seal	Leopardrobbe
<i>Lobodon carcinophaga</i>	Crabeater seal	Krabbenfresser
<i>Leptonychotes weddellii</i>	Weddell seal	Weddellrobbe
<i>Miroungo leonina</i>	Southern elephant seal	Südlicher See-Elefant
<i>Otaria byronia</i>	South American Sea Lion	Mähnenrobbe

Wildlife List - Birds



Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Aptenodytes patagonicus</i>	King Penguin	Königspinguin
<i>Eudyptes chrysocome</i>	Western Rockhopper Penguin	Südfelsenpinguin
<i>Eudyptes chrysolophus</i>	Macaroni Penguin	Goldschopfpinguin
<i>Spheniscus magellanicus</i>	Magellanic Penguin	Magellanpinguin
<i>Pygoscelis papua</i>	Gentoo Penguin	Eselspinguin
<i>Pygoscelis adeliae</i>	Adelie Penguin	Adeliepinguin
<i>Pygoscelis antarcticus</i>	Chinstrap Penguin	Kehlstreifpinguin
<i>Oceanites oceanicus</i>	Wilson's Storm Petrel	Buntfuß-Sturmschwalbe
<i>Garrodia nereis</i>	Grey-backed Storm Petrel	Graurücken-Sturmschwalbe
<i>Fregetta tropica</i>	Black-bellied Storm Petrel	Schwarzbauch-Sturmschwalbe
<i>Diomedea exulans</i>	Wandering (snowy) Albatross	Wanderalbatros
<i>Phoebetria fusca</i>	Sooty albatross	Rußalbatros
<i>Phoebetria palpebrata</i>	Light-mantled Albatross	Graumantelalbatros
<i>Thalassarche melanophris</i>	Black-browed Albatross	Schwarzbrauenalbatros
<i>Diomedea epomophora</i>	Southern Royal Albatross	Südkönigsalbatros
<i>Diomedea sanfordi</i>	Northern Royal Albatross	Nordkönigsalbatros
<i>Thalassarche chrysostoma</i>	Grey-headed Albatross	Graukopfalbatros

Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Macronectes giganteus</i>	Southern Giant Petrel	Riesensturmvogel
<i>Macronectes halli</i>	Northern Giant Petrel	Hallsturmvogel
<i>Fulmarus glacialis</i>	Southern Fulmar	Silbersturmvogel
<i>Aphrodroma brevirostris</i>	Kerguelen Petrel	Kerguelensturmvogel
<i>Pterodroma mollis</i>	Soft-plumaged Petrel	Weichfeder-Sturmvogel
<i>Daption capense</i>	Cape Petrel	Kapsturmvogel
<i>Halobaena caerulea</i>	Blue Petrel	Blausturmvogel
<i>Procellaria aequinoctialis</i>	White-chinned Petrel	Weißkinn-Sturmvogel
<i>Ardenna gravis</i>	Great Shearwater	Großer Sturmtaucher
<i>Ardenna grisea</i>	Sooty Shearwater	Dunkler Sturmtaucher
<i>Pachyptila desolata</i>	Antarctic Prion	Taubensturmvogel
<i>Pachyptila belcheri</i>	Slender-billed Prion	Dünnschnabel-Sturmvogel
<i>Pelecanoides urinatrix</i>	Common Diving Petrel	Subantarktisch-Lummensturmvogel
<i>Pelecanoides georgicus</i>	South Georgia Diving Petrel	Breitschnabel-Lummensturmvogel

Wildlife List – Seabirds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Sterna vittata</i>	Antarctic Tern	Antarktikseeschwalbe
<i>Sterna hirundinacea</i>	South American Tern	Falklandseeschwalbe
<i>Stercorarius maccormicki</i>	South Polar Skua	Antarktiskua
<i>Stercorarius antarcticus</i>	Brown Skua	Subantarktiskua
<i>Stercorarius chilensis</i>	Chilean Skua	Chileskua
<i>Chroicocephalus maculipennis</i>	Brown-hooded Gull	Patagonienmöwe
<i>Leucophaeus scoresbii</i>	Dolphin Gull	Blutschnabelmöwe
<i>Larus dominicanus</i>	Kelp Gull	Dominikanermöwe

Wildlife List – Water birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Tachyeres brachypterus</i>	Falkland Steamer Duck	Falkland-Dampfschiffente
<i>Chloephaga picta</i>	Upland Goose	Magellangans
<i>Chloephaga hybrida</i>	Kelp Goose	Kelpgans
<i>Chloephaga rubidiceps</i>	Ruddy-headed Goose	Rotkopfgans
<i>Lophonetta specularioides</i>	Crested Duck	Schopfente
<i>Anas georgica</i>	Yellow-billed Pintail	Spitzschwanzente
<i>Anas flavirostris</i>	Yellow-billed Teal	Südandenente
<i>Bubulcus ibis</i>	Western Cattle Egret	Kuhreiher
<i>Nycticorax nycticorax</i>	Black-crowned Night Heron	Nachtreiher
<i>Phalacrocorax magellanicus</i>	Rock Shag	Felsenscharbe
<i>Leucocarbo atriceps</i>	Imperial Shag	Kaiserscharbe
<i>Haematopus leucopus</i>	Magellanic Oystercatcher	Magellanausternfischer
<i>Charadrius falklandicus</i>	Two-banded Plover	Falkland-Regenpfeifer
<i>Charadrius modestus</i>	Rufous-chested Plover	Rotbrust-Regenpfeifer
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	Weißbürzel-Strandläufer

Wildlife List – Land birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH
<i>Chionis albus</i>	Snowy Sheathbill	Weißgesicht-Scheidenschnabel
<i>Cathartes aura</i>	Turkey Vulture	Truthahngeier
<i>Phalacrocorax australis</i>	Striated Caracara	Falklandkarakara
<i>Caracara plancus</i>	Southern Crested Caracara	Schopfkarakara
<i>Cinclodes patagonicus</i>	Dark-bellied cinclodes	Streifenbauch-Uferwipper
<i>Cinclodes antarcticus</i>	Blackish Cinclodes	Falkland-Uferwipper
<i>Muscisaxicola maclovianus</i>	Dark-faced Ground Tyrant	Maskengrundtyrann
<i>Cistothorus platensis</i>	Grass Wren	Graszaunkönig
<i>Troglodytes cobbi</i>	Cobb's Wren	Falklandzaunkönig
<i>Turdus falcklandii</i>	Austral Thrush	Magellandrossel
<i>Passer domesticus</i>	House Sparrow	Hausperling
<i>Anthus antarcticus</i>	South Georgia Pipit	Riesenpieper
<i>Spinus barbatus</i>	Black-chinned Siskin	Bartzeisig
<i>Leistes loyca</i>	Long-tailed Meadowlark	Langschwanzstärling
<i>Melanodera melanodera</i>	White-bridled Finch	Weißbart-Ammertangare



IX

**Connect with your
inner scientist**