

MEMBER COUNTRY: ARGENTINA

National Report to SCAR for year:

2011 – 2012

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>National SCAR Committee</b>						
<b>SCAR Delegates</b>						
1) Delegate	Dr. Sergio A. Marensi	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 203	54-11-4-331- 2903	<a href="mailto:smarensi@dna.gov.ar">smarensi@dna.gov.ar</a>	<a href="http://www.dna.gov.ar">www.dna.gov.ar</a>
2) Alternate Delegate	Dr. Viviana Alder	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-576-3300/09 int.248	54-11-4-331- 2903	<a href="mailto:viviana_alder@yahoo.com">viviana_alder@yahoo.com</a>	
<b>Standing Scientific Groups</b>						
<b>Life Sciences</b>						
1)	Dr. Néstor R. Coria	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-275-7523	54-11-4-331- 2903	<a href="mailto:ncoria@dna.gov.ar">ncoria@dna.gov.ar</a>	
2)	Dr. Mariano A. Memolli	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 303	54-11-4-331- 2903	<a href="mailto:dna@dna.gov.ar">dna@dna.gov.ar</a>	
3)						
4)						
<b>Geosciences</b>						
1)	Dr. Rodolfo A. del Valle	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 235	54-11-4-331- 2903	<a href="mailto:delvalle@dna.gov.ar">delvalle@dna.gov.ar</a>	
2)	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 235	54-11-4-331- 2903	<a href="mailto:mghidella@dna.gov.ar">mghidella@dna.gov.ar</a>	
3)	Eng. Federico Mayer	Servicio de Hidrografía Naval (SIHN), Avda. Montes de Oca 2124 (C1270ABV) Buenos Aires	54-11-4-301-9809	54-11-4-301-3883	<a href="mailto:fmayer@speedy.com.ar">fmayer@speedy.com.ar</a>	
4)						
<b>Physical Sciences</b>						
1)	Eng. Pedro Skvarca	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 233	54-11-4-331- 2903	<a href="mailto:glacio@dna.gov.ar">glacio@dna.gov.ar</a>	
2)						
3)						
4)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>Scientific Research Program</b>						
<b>ACE</b>						
1)	Dr. Sergio A. Marensi	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 203	54-11-4-331- 2903	<a href="mailto:smarensi@dna.gov.ar">smarensi@dna.gov.ar</a>	
2)						
3)						
4)						
<b>AGCS</b>						
1)						
2)						
3)						
4)						
<b>EBA</b>						
1)						
2)						
3)						
4)						
<b>ICESTAR</b>						
1)						
2)						
3)						
4)						
<b>SALE</b>						
1)						
2)						
3)						
4)						
<b>ACTION GROUPS</b>						
1)						
2)						
3)						
4)						
insert others as needed						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>EXPERT GROUPS</b>						
<b>1) Geospatial Information Geodesy (GIANT)</b>	Mr. Andrés Zakrajsek	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-331- 2903	<a href="mailto:afz@dna.gov.ar">afz@dna.gov.ar</a>	
<b>2) King George Island GIS Project (KGIS)</b>	Dr. Rodolfo A. del Valle	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 235	54-11-4-331- 2903	<a href="mailto:delvalle@dna.gov.ar">delvalle@dna.gov.ar</a>	
<b>3) Geospatial Information Geographic Information</b>	Mr. Andrés Zakrajsek	Instituto Antártico Argentino (I.A.A.), Cerrito 1248 (C1010AAZ) Buenos Aires	54-11-4-812-6313	54-11-4-331- 2903	<a href="mailto:afz@dna.gov.ar">afz@dna.gov.ar</a>	
<b>4) Permafrost and Periglacial Environments (PPE)</b>	Dr. Yevgueniy Yermolin	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 235	54-11-4-331- 2903	<a href="mailto:euermolin@dna.gov.ar">euermolin@dna.gov.ar</a> <a href="mailto:ivgen52@yahoo.com">ivgen52@yahoo.com</a>	
<b>5) Antarctic Digital Magnetic Anomaly Project (ADMAP)</b>	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 235	54-11-4-331- 2903	<a href="mailto:mghidella@dna.gov.ar">mghidella@dna.gov.ar</a>	
<b>6) Antarctic Neotectonics (ANTEC)</b>	Dr. Martha E. Ghidella	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 235	54-11-4-331- 2903	<a href="mailto:mghidella@dna.gov.ar">mghidella@dna.gov.ar</a>	
<b>7) Ice Sheet Mass Balance and Sea Level (ISMASS)</b>	Eng. Pedro Skvarca	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 233	54-11-4-331- 2903	<a href="mailto:glacio@dna.gov.ar">glacio@dna.gov.ar</a>	
<b>JCADM</b>						
1)	Prof. Diego R. Gómez Izquierdo (Alternate Delegate)	Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 244	54-11-4-331- 2903	<a href="mailto:diegogi@dna.gov.ar">diegogi@dna.gov.ar</a>	
<b>NATIONAL ANTARCTIC DATA CENTRE</b>						
<b>Argentina Antarctic Data Center</b>		Instituto Antártico Argentino (I.A.A.), Balcarce 290 (C1064 AAF) Buenos Aires	54-11-4-331-2900 int 244	54-11-4-331- 2903	<a href="mailto:cda@dna.gov.ar">cda@dna.gov.ar</a>	
<b>SCAR DATABASE</b>						
<b>Argentina Antarctic Data Center</b>						
<b>A BRIEF SUMMARY OF SCIENTIFIC HIGHLIGHTS FOLLOWS:</b>						

## National Programs/Projects by Standing Scientific Group 2011-2012

### Life Sciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Ichthyology	Ichthyology: Monitoring and general ecology of Antarctic fishes in Scotia Arc, applied to resources conservation.	Carlini (ex Jubany) Base	2011 - 15	Dr. Esteban Barrera Oro	<a href="mailto:ebarrerraoro@dna.gov.ar">ebarrerraoro@dna.gov.ar</a>
Antarctic Cormoran	Study of reproductive and alimentary aspects of the Antarctic ( <i>Phalacrocorax Bransfieldensis</i> ) and South Georgia ( <i>P. Georgianus</i> ) shags: identification of utility parameters to monitor environmental changes in littoral Antarctic ecosystems.	Nelson island, Laurie island, Antarctic peninsula	2011 - 15	Dr. Ricardo Casaux	<a href="mailto:rcasaux@dna.gov.ar">rcasaux@dna.gov.ar</a>
Mammals	Energy acquisition, prey type and potential responses of pinnipeds to climatic anomalies and sea ice extent in the Antarctic Peninsula region and the Scotia Arc.	Carlini (ex Jubany) Base	2011 - 15	Bioq. Maria Marquez	<a href="mailto:mitsuki@dna.gov.ar">mitsuki@dna.gov.ar</a>
Antarctic birds	Response of Antarctic bird populations in relation to interannual variability in their preys on areas with evident global warming effects	Laurie, Nelson and 25 de Mayo (King George) islands	2011 - 15	Dr. Néstor Coria	<a href="mailto:ncoria@dna.gov.ar">ncoria@dna.gov.ar</a>
Microbiological biodegradation	Analysis of some biological factors conditioning the efficacy of biostimulation and bio-increase strategies in Antarctic environments polluted by hydrocarbons.	Carlini (ex Jubany) Base Marambio Base	2011 - 15	Dr. Walter Mac Cormack	<a href="mailto:wmac@huemul.ffyb.uba.ar">wmac@huemul.ffyb.uba.ar</a>

Ecology of benthonic communities	Climate change process in Antarctica, their effects on a coastal ecosystem.	Potter cove	2011 - 15	Dr. Ricardo Sahade	<a href="mailto:rsahade@com.uncor.edu.ar">rsahade@com.uncor.edu.ar</a>
Phytogeography	Phytogeography of Deschampsia Antarctica through molecular, morphological, and charological studies: a window to past under change scenarios.	Carlini (ex Jubany) Base Marambio Base	2011 - 15	Dr. Chiapella, Jorge	<a href="mailto:jorge.chiapella@gmail.com">jorge.chiapella@gmail.com</a>
Sea Science	Monitoring of Antarctic and Subantarctic marine plankton.	Potter cove	2011 – 15	Dra. Alder, Viviana	<a href="mailto:viviana_alder@yahoo.com">viviana_alder@yahoo.com</a>
Animal physiology	Coastal biomonitoring: Global change and xenobiotic effects on key species of Antarctic trophic chains.	Carlini (ex Jubany) Base	2011 - 15	Dr. Martín Ansaldo	<a href="mailto:tincho@qb.fcen.uba.ar">tincho@qb.fcen.uba.ar</a>
Antarctic Bird	Migration route and its relationship with the nutritional state of South Polar skua (Stercorarius Maccormicki)	Carlini (ex Jubany) Base	2011 - 15	Dr. Montalti, Diego.	<a href="mailto:dmontalti@fcnym.unlp.edu.ar">dmontalti@fcnym.unlp.edu.ar</a>
Sea Science	Monitoring of euphasiid larvae from Weddell - Scotia confluence	Weddell - Scotia confluence	2011-15	Dr. Marschoff, Enrique	<a href="mailto:marschoff@dna.gov.ar">marschoff@dna.gov.ar</a>

## Geosciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Permafrost and GlobalChange: Geomorphological glacial, post-glacial processes and Recent-late Cenozoic vulcanism.	Geomorphology and Glacial Geology of James Ross archipelago and South Shetland islands, northern area of Antarctic Peninsula.	Patagonia – Antarctic Peninsula	2011 - 15	Lic. J. A. Strelin	<a href="mailto:jstrelin@yahoo.com.ar">jstrelin@yahoo.com.ar</a>
Paleontology of Vertebrates	Weddelian Province vertebrates from late Cretaceous-Tertiary transition of Antarctic Peninsula and Southern extreme of Patagonia (50th parallel south)	James Ross Island, Antarctic Peninsula	2011 - 15	Dr. Marcelo Reguero	<a href="mailto:mreguero@netverk.com.ar">mreguero@netverk.com.ar</a>
Paleomagnetic	Paleomagnetic and environmental magnetism studies in the Holocene, recorded in soils and lake sediments in the northeast Antarctic Peninsula.	James Ross Island, Antarctic Peninsula	2011 - 15	Dr. Chaparro, Marcos	<a href="mailto:chaparro@exa.unicen.edu.ar">chaparro@exa.unicen.edu.ar</a>
Paleontology	Paleontology and paleoecology of Cenozoic diamictitic deposits of the James Ross basin, Antarctic biote adaptations to a changing climate	James Ross Island, Antarctic Peninsula	2011 - 15	Dra. Andrea Concheyro.	<a href="mailto:aconcheyro@hotmail.com">aconcheyro@hotmail.com</a>
Permafrost-hydrogeology and climate change	Characteristics in the permafrost-hydrogeology and climate change influence in areas with cryopeg and talik in the northern of Antarctic Peninsula.	Northern of Antarctic Peninsula	2011 - 15	Dr. Eugenio Yermolin.	<a href="mailto:ivgen52@yahoo.com">ivgen52@yahoo.com</a>
Geology and Paleontology of James Ross Basin	Magnetostratigraphy and biostratigraphy of the Santonian-Maastrichtian from the James Ross basin, Antarctica.	James Ross Island	2011-15	Dr. Eduardo Olivero	<a href="mailto:eolivero@satlink.com">eolivero@satlink.com</a>

GlobalChange	Changes induced by climate warming on glaciers, on permafrost and on sedimentation dynamics of coastal environments in the north of Antarctic Peninsula.	Northern of Antarctic Peninsula	2011-15	Dr. del Valle, Rodolfo	<a href="mailto:kings_foil@hotmail.com">kings_foil@hotmail.com</a>
Vulcanism of recent-late Cenozoic	Volcanological and geomorphological study of active volcanoes in Antarctica and Los Andes.	Deception Island (South Shetland Island)	2011-15	Dr. Alberto T. Caselli	<a href="mailto:acaselli@gl.fcen.uba.ar">acaselli@gl.fcen.uba.ar</a>

### Physical Sciences

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
Environmental Chemistry	Persistent organic pollutants and trace elements in biotic and abiotic matrices of the Antarctic environment	Carlini (ex Jubany) Base	2011-15	Dr. Curtosi, Antonio	<a href="mailto:tonicur@yahoo.com">tonicur@yahoo.com</a>
UV Radiation	Effects of global change on benthic marine algae communities from Potter cove (South Shetlands, Antarctica)	Carlini (ex Jubany) Base	2011-15	Dr. María Liliana Quartino	<a href="mailto:lquartino@dna.gov.ar">lquartino@dna.gov.ar</a>
Sea Science	Effects combined of temperature increase and salinity decrease on coastal communities in polar ecosystems.	Carlini (ex Jubany) Base	2011-15	Dr. Irene Schloss	<a href="mailto:ischloss@dna.gov.ar">ischloss@dna.gov.ar</a>

## Institutional activities

<i>Subject</i>	<i>Investigation</i>	<i>Locality</i>	<i>Duration</i>	<i>Principal Investigator</i>	<i>Address</i>
<b>Life Sciences</b>					
Ecology	Conservation and Monitoring of the Ecosystem - CCAMLR	Antarctic Sea	2011-12	Dr. Néstor Coria – Dr. Enrique Marschoff.	<a href="mailto:ncoria@dna.gov.ar">ncoria@dna.gov.ar</a>
Sea Science	Oceanographic studies and chemical and biological processes to the South of 55 Parallel with special reference to Drake passage	Antarctic Sea	2011-12	Dr. Esteves José	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Benthic invertebrates	Biodiversity and Biogeography of benthic invertebrates of Bellinghausen sea: similarities and differences with Magellan fauna	Antarctic Sea	2011-12	Dr. Zelaya, Diego	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Benthic invertebrates	Evolutionary and Reproductive Biology of antarctic and subantarctic asteroids and decapods	Antarctic Sea	2011-12	Dra. Perez Analía	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Ichthyology	Genetic, energetic, and stable isotopes of antarctic and subantarctic Notothenids	Antarctic Sea	2011-12	Dr. Fernandez, Daniel	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Marine mammals	Spatial Ecology of Antarctic and Subantarctic birds and marine mammals	Antarctic Sea	2011-12	Dra. Raya Rey, Andrea	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Benthic invertebrates	Specific macrobenthic assemblages (molluscs and tunicates) of Antarctica. Systematics and analysis of epibionts conforming to a latitudinal gradient	Antarctic Sea	2011-12	Drs. Gordillo y Tatián	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Sea Science	Planktonic Communities in Scotia sea and Weddell Scotia confluence. IAA Project	Antarctic Sea	2011-12	Dr. Marschoff	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>



Sea Science	Microbial biodiversity of extreme environments of Argentine Southern sea: yeasts of marine environments and antarctic ices	Antarctic Sea	2011-12	Dra. Giraud de van Broock María Rosa	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Ichtiology	Morphological and Molecular Biotaxonomy (DNA Barcoding) of marine fishes of Argentina	Antarctic Sea	2011-12	Dr. Díaz de Astarloa, Juan	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Benthic invertebrates	Biological sample collection (gametogenesis and morphology of molluscan spermatozoon)	Antarctic Sea	2011-12	Dra. Gimenez, Juliana	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Benthic invertebrates	Biology and systematics of marine decapod crustaceans	Antarctic Sea	2011-12	Dr. Cledón, Maximiliano	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
<b>Geosciences</b>					
Earth sciences	Aerogeophysics IceGrav	Antarctic Peninsula	2011-12	Dra. Ghidella, Marta	<a href="mailto:mghidella@dna.gov.ar">mghidella@dna.gov.ar</a>
Glaciology	Mass balance, glacier monitoring, and climatic data collection in Antarctic Peninsula and Southern Patagonia	Antarctic Peninsula	2011-12	Eng. Pedro Svkarca	<a href="mailto:glacio@dna.gov.ar">glacio@dna.gov.ar</a>
Geophysics	Antarctic seismological network	Antarctic Sector	2011-12	Dra. Roucco, Maria	<a href="mailto:palmerasoleada@yahoo.com.ar">palmerasoleada@yahoo.com.ar</a>
Antarctic Geodesy	Antarctic Geodesy (Germany and USA)	Antarctic Sector	2011-12	Mr. Andrés Zakrajsek	<a href="mailto:afz@dna.gov.ar">afz@dna.gov.ar</a>
Geophysic	Geophysical and geological study of transcurrent faults of Southern extreme of South America and NW of Scotia plate	Antarctic Sea	2011-12	Dr. Tassone, Alejandro	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>

<b>Physical Sciences</b>					
Cosmic ray	LAGO Antarctica	Marambio (Seymour) island	2011-12	Dr.Dasso; Dra Gulisano	<a href="mailto:agulisano@dna.gov.ar">agulisano@dna.gov.ar</a>
Physical and Chemical Sciences	Magnetosphere	San Martin and Belgrano Stations	2011-12	Eng. Eduardo D. Calviño	<a href="mailto:edcalvino@dna.gov.ar">edcalvino@dna.gov.ar</a>
Physical and Chemical Sciences	Atmospheric ozone	Antarctic stations	2011-12	Eng. Eduardo D. Calviño -	<a href="mailto:edcalvino@dna.gov.ar">edcalvino@dna.gov.ar</a>
Physical and Chemical Sciences	Greenhouse effect	Carlini (ex Jubany) Station	2011-12	Eng. Eduardo D. Calviño	<a href="mailto:edcalvino@dna.gov.ar">edcalvino@dna.gov.ar</a>
Cosmic ray	Cosmic ray Dosimetry	Antarctic Peninsula	2011-12	Eng. Eduardo D. Calviño and Dr. Ciancio, Vicente	<a href="mailto:edcalvino@dna.gov.ar">edcalvino@dna.gov.ar</a>
Environmental Chemistry	Environmental monitoring of chemical pollutants	Carlini (ex Jubany) Station	2011-12	Dr. Cristian Vodopivec	<a href="mailto:quimica@dna.gov.ar">quimica@dna.gov.ar</a>
Environmental Chemistry	Determination of Volatile Organic Components (COVs) in the air	Antarctic Sea	2011-12	Dr. Arguello, Gustavo	CONTACT Scientific coordination IAA <a href="mailto:ssantillana@dna.gov.ar">ssantillana@dna.gov.ar</a>
Oceanograph	Physical oceanography - Carlini station	Carlini (ex Jubany) Station	2011-12	Lic. G. Tosonotto	<a href="mailto:gtosonotto@dna.gov.ar">gtosonotto@dna.gov.ar</a>
Museum	Conservation of historical shelters	Snow Hill and Paulet island	2011-12	Lic. Veronica del Valle	<a href="mailto:museoantar@dna.gov.ar">museoantar@dna.gov.ar</a>

**Permanent observatories, standard observations and long-term monitoring programmes**

**Marambio station (Marambio Antarctic Meteorological Center)**

Activity	Responsible Authority or Investigator
Meteorological observations of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, optical phenomena, soil temperature, sea ice.	SMN (National Meteorological Service, Antarctic Department)
Height observations (radio sounding, radio wind). Daily observations of temperature, pressure, moisture, wind in altitude	SMN (National Meteorological Service, Antarctic Department)
Solar radiation observations. Global solar radiation daily. Ultraviolet solar radiation	SMN (National Meteorological Service, Antarctic Department)
Atmospheric Ozone radiation. Total ozone, Dobson spectrophotometer. Vertical profile: ozone sounding, two weekly, June-December, other two monthly.	SMN (National Meteorological Service, Antarctic Department)
Observation and measurement of pollutants and atmospheric aerosols	SMN (National Meteorological Service, Antarctic Department)
Meteorological forecast, support to aviation, maritime sailing. Daily observations and storm warnings for Antarctic Argentine Sector. Bulletins for radiobroadcasting	SMN (National Meteorological Service, Antarctic Department)

**Orcadas Station (Geomagnetical and Meteorological Observatory, South Orkney)**

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glace). Glaciological observations	SMN (National Meteorological Service, Antarctic Department)
Geomagnetical observations. Normal photographic record of D, H, and Z compounds. Absolute observations. Magnetogrammes.	SMN (National Meteorological Service, Antarctic Department)

**San Martin Station**

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glace). Glaciological observations	SMN (National Meteorological Service, Antarctic Department)
--	---

**Carlini (ex Jubany) Station**

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glace). Glaciological observations	SMN (National Meteorological Service, Antarctic Department)
--	---

**Esperanza Station**

Meteorological observations every 3 hours of following parameters: Pressure, Temperature, Moisture, Wind (Direction and intensity), Clouds (Number, type and height), Visibility, Soil status, Snow height, precipitations, heliophany, special phenomena observation (noctilucent clouds, auroras, sea glaze). Glaciological observations	SMN (National Meteorological Service, Antarctic Department)
Climatological statistics of Argentine Stations	SMN (National Meteorological Service, Antarctic Department)
G.A.W. Project. Climatic Change Studies	SMN (National Meteorological Service, Antarctic Department)
G. COS Project. Global Change Survey	SMN (National Meteorological Service, Antarctic Department)
Survey of Austral Ozone Layer	SMN (National Meteorological Service, Antarctic Department)
G.A.W. Project. Climatic Change Studies	SMN (National Meteorological Service, Antarctic Department)
Survey of Pollutants and Atmospheric Aerosols	SMN (National Meteorological Service, Antarctic Department)