AIR OPERATIONS PLANNING MAP SERIES

MAP 09: Novolazarevskaya to Syowa

Edition 2, September 2017

Scale 1: 1 000 000, Projection: Polar Stereographic

Vertical Datum: Mean Sea Level Spheroid: WGS84 Latitude of true scale: 71°S

Contours (interval 1000 ft)
2730 Surveyed height (feet)
2730 Estimated spot height (feet)
3422 Heighest point on map (feet) NOT A SAFETY ALTITUDE
Coastline
Lake
Rock outcrop
Ice shelf
All year scientific stations
Summer only stations
Camp/refuge
Airfield
129 ASPA (with number) or bird colony
112 Bird colony (Important Bird Areas - IBA)

Guidelines for the Operation of Aircraft near Concentrations of Birds

The map shows the location of the main breeding concentrations of penguins and petrels in Mount Biscoe, Cape Batterbee, Kloa Point, Taylor Rookery, Gibbney Island, Rookery Islands, Klung Island, Welch Island and Andersen Island.

Low flying and unnecessary landings increase the risk of disturbance to wildlife. Flying birds present a risk to aircraft from bird strike. To minimize the risk to both wildlife and aircraft, follow the guidelines below as closely as your operational requirements allow:

Penguin, giant petrel and other bird colonies are not to be overflown below 2000 ft (-610 m) above ground level, except when operationally necessary.

Landings within ½ nautical mile (~930 m) of penguin, giant petrel or other bird colonies should be avoided wherever possible.

Never hover or make repeated passes over wildlife concentrations or fly lower than necessary.

Maintain a vertical seperation distance of 2000 ft (-610 m) AGL and a horizontal seperation of ½ nautical mile (~460 m) from the coastline wherever possible.

Cross coasts at right angles and above 2000 ft (-610 m) AGL where possible.

For further information regarding aircraft operations near concentrations of birds see the COMNAP Antarctic Flight Information Manual www.comnap.aq/mscpages/SitePages/AFIM.aspx

Scale 1: 1 000 000

20 km 0 20 40 60 80 km

10 nm 0 10 20 30 40 nm

SCAR

INSTITUT GEOGRAPHIQUE NATIONAL
NATIONAAL GEOGRAFISCH INSTITUUT

Warnings:

This map is not an air navigation chart and it is not intended for in-flight navigation.

Spot heights do not always denote the highest point of the feature. Contours and spot heights are in feet.

Contours and hillshading are derived from a variety of sources of variable accuracy: SCAR Antarctic Digital Database (ADD) and BEDMAP2. They should only be used as an indication of topographic relief.

Bird colony information is based on limited available data - absence of a bird colony symbol does not indicate absence of birds.

For information about airfields refer to the COMNAP Antarctic Flight Information Manual: www.comnap.aq/mscpages/SitePages/AFIM.aspx

Sources:

Topographic details from the SCAR Antarctic Digital Database (ADD), Version 2015.

Airfields and Stations details from Council of Managers of National Antarctic Programs (COMNAP) www.comnap.aq/facilities

Antarctic Specially Protected Areas (ASPA) and Important Bird Areas (IBA) details from: www.ats.aq

Place names selected from SCAR Composite Gazetteer of Antarctica (CGA), 2015.

Map compiled by National Geographic Institute of Belgium, 2015-2016.

Map Sheet Key

SOUTHERN OCEAN

QUEEN MAUD LAND

Princess Astrid Coast

Princess Ragnhild Coast

Prince Harald Coast

Soya Coast

ROI BAUDOUIN ICE SHELF

LAZAREV ICE SHELF

Cape Murmanskiy
Sinjala Bay
Leningradsky Bay
Lazarev
Dakshin Gangotri
Leningradsky Dome
Mira Dome
Dakshin Gangotri Glacier
Maitri (India)
Novolazarevskaya (Russia)
Aerodromnaya Hill
Institut Geologi Arktiki Rocks
Nipaulantoppen
Starheimtind
Envuzasty Glacier
Erskine Iceport
Godel Iceport
Beregovoye Glacier
Per Rock
WOHLTHAT
Unter-See Lake
Ober-See Lake
Wegener Glacier
Nordwestinsel Range
Mt Razumovsky
Ritscher Pk
Mt Sinizin
Mt Zuckerhut
Mushketov Glacier
Afartayla
Petermann Ranges
Zwiesel Mtn
Mt Solov'yev
Liebknecht Range
Mt Nikolayev
Hanuten
Mt Neustruyev
Pieck Range
Gneiskopf Pk
Lomonosov Mountains
Storebusen
Payer Mountains
Sarhortane
Weyprecht
Mt Kibal'chich
Shatskiy Hill
Skavlva Mtn
Gleymdehorten Nk
MOUNTAINS
Ormeryggen
Linnormegget Hill
Øvrebrekka
Rokhlin Nks
Nazimova Nk
Sarkofagen Mtn
Sørsteinen
Auststeinen
Russkiye
Alveberget
Mountains
Bergekongen
Atlasova Nk
Taggen Nk
Tonnyuten Pk
Loppa Pk
Hogekletten Pk
Barnse Mtn
Mt Nils Larsen
Hansen Glacier
Reysane Rocks
Lasen
Perlebandet Nks
Ulstenen Nk
Viking Heights
Mt Widerøe
Mt Romnaes
Asuka (Japan)
Vesthaugen Nk
SØR RONDANE
Princess Elisabeth (Belgium)
Brattnipane Pk
Austkampane Hills
Luncke Range
Mt Wahlnuni
Bernhardtinden Pk
Dungane Pks
Dufek Mtn
Rogers Pks
Tufsane Pk
Gunnerud Glacier
Ebbestad Glacier
Sør Rondane Glacier
Kong Glacier
Bird Glacier
Smålhausane Nks
Simensen Pk
Menipa Pk
Mefjell Mtn
Korsa Mtn
Mt Bergersen
Isrosene Nks
Vesthjelmen Pk
Hesteskoen Nk
Balchen Mtn
Zabolotskogo Nks
Isachsen Mtn
Bond Pks
Mt Filatova
Kjelbotn Pk
Devold Pk
Klakemulen
Oberon Glacier
Ulvetanna Glacier
Høgskolten
Vørterkaka Nk
Trollryggen
Einbuen
Prince de Ligne Mtns
BELGICA MOUNTAINS
Mt Perov
Mt Victor
Mt Solvay
Glaciers Glacier
Norsk Polarinstitutt Glacier
Roi Baudouin (Belgium)
Breid Bay
Polarhav Bay
Tangekilen Bay
Breklien Bay
Kirkbryggen Ice Tongue
Derwael Ice Rise
Vestvika Bay
Riiser-Larsen Peninsula
Jarnovskogo Nk
Platta Bay
Yuki Is.
Kanalen Rocks
Innhovde Pt
Kaya Glacier
Bøtnneset Peninsula
Diupviknesset Peninsula
Lützow-Holm Bay
Padda Is.
Syowa (Japan)
Ongul Is.
Mukuto Rocks
Cape Koyubi
Harnes Glacier
Mt Hellvik
Mt Rymne
Mt Melbye
Brandvik Rocks
Howde Bay
Skallen Glacier
Telen Glacier
Trilling Islands
Hjart Is.
Kjukavåg Bay
Magoke Pt
Rundvika Bay
Shirase Glacier
Mac-Ilyanga Bay Rock
Skallen Glacier
Telen Glacier
Söya Rahyögen Ice Field
S17 Camp
Tonning Glacier
Tonning Mtn
Tonning Ridge
Mt Fukushima
Tonnai Dake
Tonnai Glacier
FABIOLA MOUNTAINS
Mt Derom
Jare IV Nks
Mt Gaston de Gerlache
Prydzbreen Glacier
Inseki Hyögen Ice Field
Kuwagata Yama
Mizuho Plateau
Oku-Shirase Daira Ice Field
Mizuho (Japan)