

SCAR-SCAGI National Report of KOREA for 2013-2014
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Construction of the Jang Bogo Station (the 2nd Korean Antarctic Station)

- The construction of Jang Bogo Antarctic Station (the second base of Korea) was completed in February, 2014.
- Location: Terra Nova Bay, Northern Victoria Land, Antarctica (latitude 74.6167, longitude 164.2283)
- Housing: the station houses 15 people in winter and 60 in summer in a 4000 square-meter building with three wings.
- Naming: the Jang Bogo station is named after a powerful maritime figure in Korea in eighth-century. He pioneered a maritime route for international overseas trade around the Yellow Sea. His powerful fleet protected traders of three countries (Korea, China and Japan) from pirates.

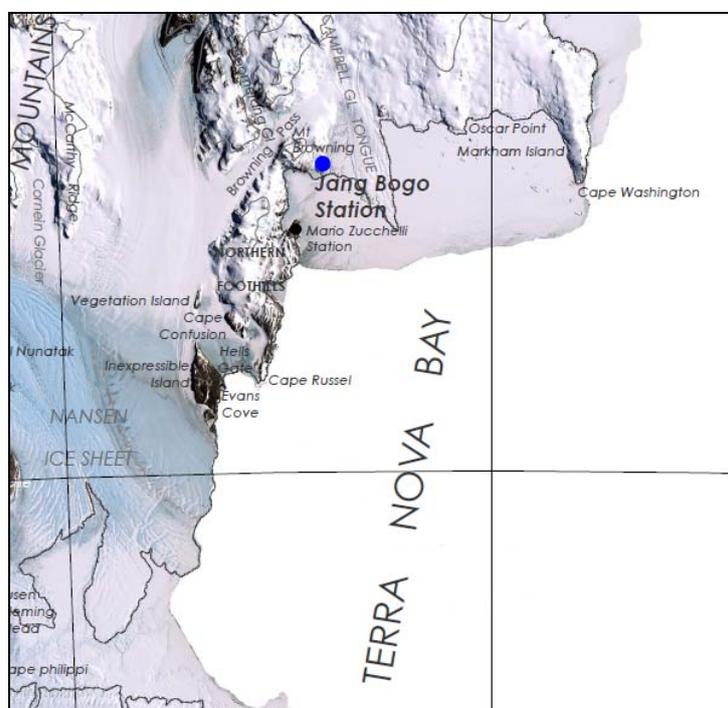


Figure 1 Location of the Jang Bogo Station



Figure 2 Jang Bogo Station in Terra Nova Bay

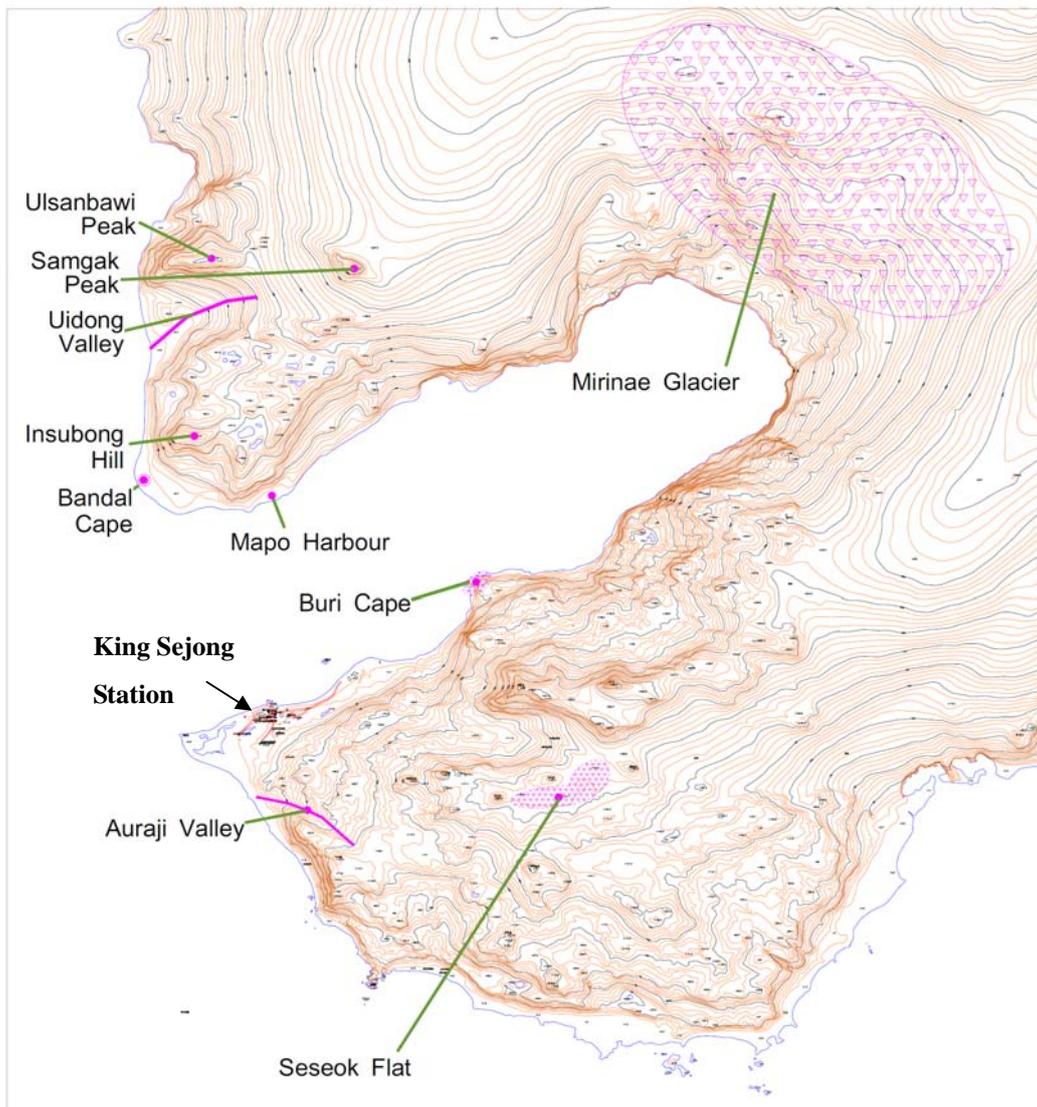
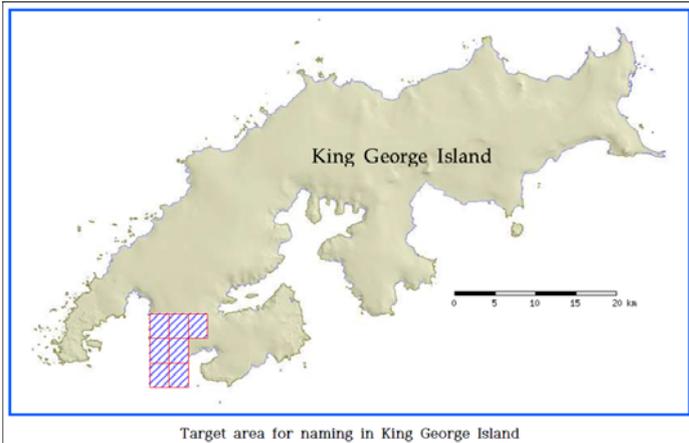
Geodetic Operation at the Jang Bogo Station

- Absolute gravity monitoring: an A10 absolute gravimeter manufactured by Micro-G will be installed in 2014/2015 summer season.
- Precise gravity monitoring by superconducting gravimeter: a superconducting gravimeter, i-Grav manufactured by GWR instruments, will be installed in 2015/2016 summer season.
- GPS monitoring: a continuous GPS system will be installed in 2015/2016 summer season.

New Antarctic names registered in 2013

Database_Id	Place_Name	Latitude (South)	Longitude (West)	SCAR_Feature_Type	SCAR_Feature_Class	Explanation
1	Seseok Flat	62.22778	58.75278	Plain	2h	This is a wide, flat piece of land at a high latitude, which is reminiscent of the Seseokpyeongjeon of Mt. Jiri.
2	Auraji Valley	62.22778	58.78333	Valley	2g	The form, which overlaps two thin valleys and continues over the beach, resembles 'Auraji' in Jeongseon-gun, Gangwon province, which means the place overlapping two flows. Gangwon province, which means the place overlapping two flows.
3	Buri Cape	62.2325	58.76111	Cape	8	The name means the beak of a bird, which is located above the King Sejong Station.

4	Mirinae Glacier	62.19722	58.725	Glacier	12	"Mirinae" is the original Korean word for the galaxy. Here, the glaciers have various shapes and hues and are spread like the galaxy in the night sky.
5	Mapo Harbour	62.21083	58.78778	Harbour	3	This is a small harbour located in Marian cove. Its name is adopted from Mapo Port in Seoul, Korea.
6	Bandal Cape	62.20917	58.80139	Cape	8	A half-moon shaped low piece of land on the beach. "Bandal" is the Korean word for half-moon.
7	Insubong Hill	62.20639	58.79583	Hill	2b	The name has been in use for the last twenty years because the shape looks like Insubong Hill in Korea.
8	Uidong Valley	62.19861	58.79444	Valley	2g	Uidong Valley takes its name from valley in Mt.Bukhann because there is the valley in the direction of coast from Insubong Hill. There are both Insubong Hill and Uidong Valley in Mt.Bukhan in Korea.
9	Samgak Peak	62.19694	58.77639	Peak	2d	The shape of the mountain is a triangular pyramid. "Samgak" is the Korean word for triangle.
10	Ulsanbawi Peak	62.19639	58.79306	Peak	2d	The form and ridge of this peak resembles the Ulsan rocks on Mt. Seorak.



The position of target area for the new naming in King George Island