

HISTORY OF SEASPACE ANTARCTIC SUPPORT

Hae-Yong Shin

**SeaSpace Corporation
Poway, California, USA**

SeaSpace has been active in the Antarctic scientific activities by supplying a number of remote sensing ground stations from direct broadcast satellites. The primary telemetries down-linked are MODIS from Terra and Aqua satellites, HRPT from NOAA satellites, RTD from DMSP satellites, and GVAR from GOES satellites. The down-linked data is processed by TeraScan software to produce level 1 and level 2 products. These data products are used for the study of atmospheric and oceanographic applications over Antarctic continent and surrounding water bodies, and to support navigation operations through air and sea. Through over 20 years of Antarctic experiences SeaSpace has accumulated vast knowledge of building very reliable equipment that can survive harsh environment and providing valuable data during mission critical times. SeaSpace will continue to support Antarctic efforts by developing and implementing new products and by supporting sensors that will be flown in the future missions.