

Korea Aerospace Research Institute National Satellite Operation & Application Center

Integrated
Operation of
National Satellites

Integrated
Management of National
Satellite Images

Promotion of the
Satellite Application
Industry

Satellite Image
Analysis and
Quality Control



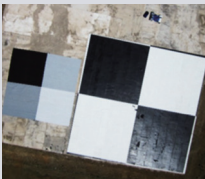
Satellite Operation

- Stable operations of the national space-based assets (Satellites & Ground stations)
- Advanced multi-satellite integrated operation technology and operating system
- Protection of the national space-based assets through space situation recognition and space traffic control research



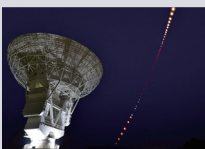
Satellite Application

- Research on various value-added products to increase accessibility and utilization of satellite imagery
- Research on converged multi-satellite applications and AI-based big data processing technology
- Strengthening domestic and international satellite utilization cooperation network



Quality Management

- Establishment of a quality control system and satellite image quality management
- Optimization of cal/val procedures and designing of image quality definitions for subsequent satellites
- Research on image quality improvement and management technology based on special imaging such as star images



SSA Research Office

- Space mission operation
- Space environment management
- Space situation recognition

