

BRAZILIAN AIR FORCE



SAR EXERCISE IN BRAZIL

Gustavo Rossi Captain Aviator / SMC

Search and Rescue – Department of Airspace Control

CARRANCA V - SAR Exercise Florianopolis Air Force Base





7 Aircraft Types4 helicopters3 airplanes400 military personnel

5 ARCC 5 Squadrons (Air Force) 1 Squadron (Navy)





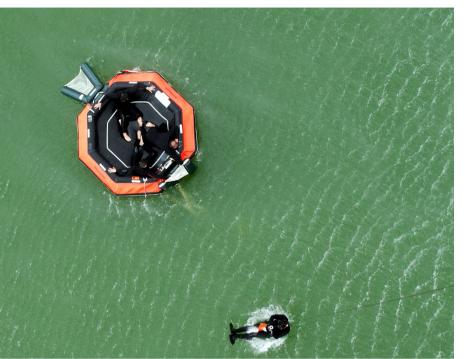
RESCUE on LAND

RESCUE on SEAKAPOFFLIFEBOAT

AERONAUTICAL and MARITIME

SEARCH on SEA and LAND

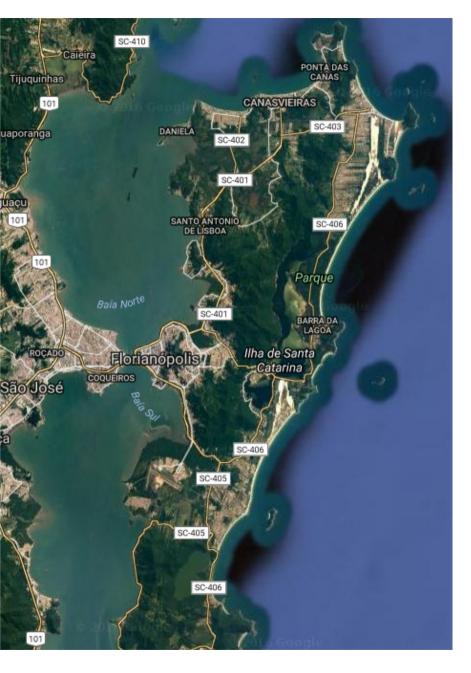




27 SAR OPERATIONS48 DEPARTURES90 SIMULATED VICTIMS









MRO – NVG 40 simulated victims Search – NVG (Airplane) Rescue – NVG (helicopters – no landing) 08:00PM – 08:00AM







SEARCH WITH NIGHT VISION GOGGLES 5000 ft – Lighted Search Objects 1000ft – Unlighted Search Objects



SELF-LOCATING DATUM MARKER BUOY

- Costs unit plus iridium network registration and airtime
- Worldwide Coverage
- No ground station required
- Rapid Response mode
 - Every 10 to 15 minutes for first 24 hours, then every 30 minutes for next 48 hours
- Single unit deployment
 - In cases where the last known position is known and the time lag to SLDMB deployment are minimal, only a single unit may be necessary
- Multiple unit deployment
 - A minimum of three SLDMBs should be used to facilitate SAR operations. The assessments clearly indicated the benefit of incrementally adding a second and a third SLDMB to the analysis



SELF-LOCATING DATUM MARKER BUOY SLDMB



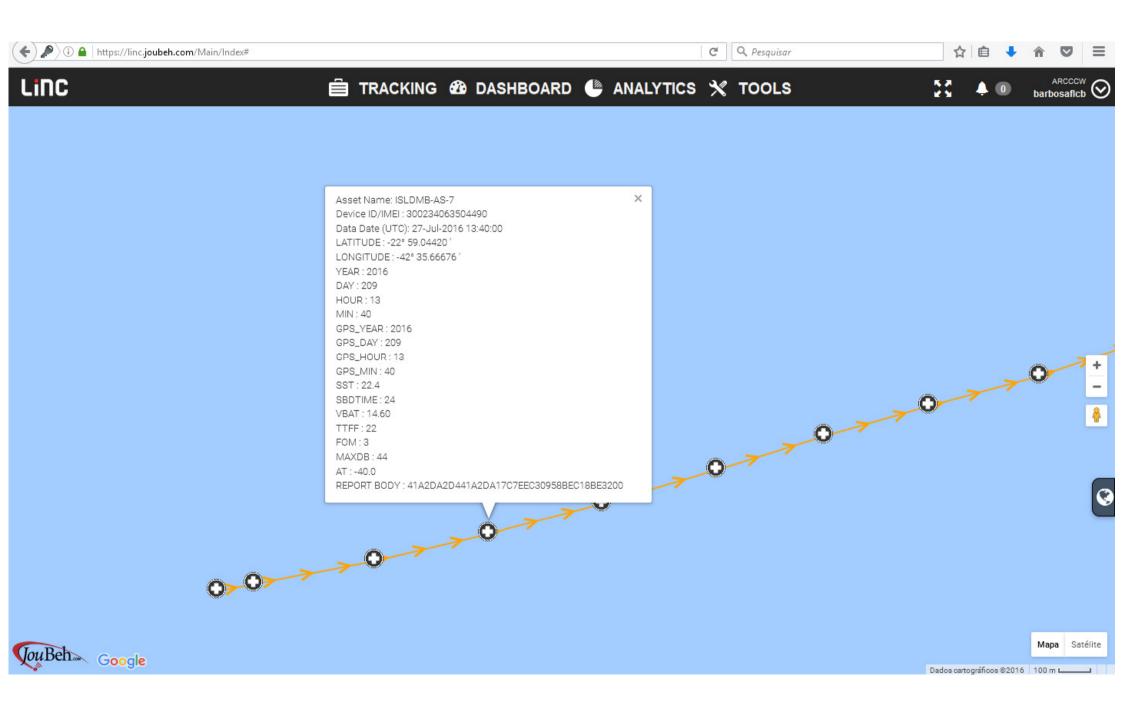
AIR OR MARITIME DROP



SELF-LOCATING DATUM MARKER BUOY









Departamento de Controle do Espaço Aéreo

Para que outros possam viver!



BRAZILIAN AIR FORCE



Gustavo Rossi Captain Aviator / SMC Search and Rescue – Department of Airspace Control

gustavorossiggr@decea.gov.br gustavo_rossi51@hotmail.com +(55)21-996234544 +(55)21-21016544