Strait of Messina - Scylla & Charybdis

Figure 1. ERS-1 C-Band VV SAR image of the Strait of Messina collected on July 11, 1993 at 09:41 GMT (Orbit: 10387, Frames: 2835). Image dimensions are 65 km x 65 km centered at 38°16’ N, 15°29’ E. The image shows internal wave signatures propagating both north and south out of the strait. Northward propagating internal waves are less frequently observed than southward propagating ones. [ERS-1 image ©ESA 1993, from The Tropical and Subtropical Ocean Viewed by ERS SAR http://www.ifm.uni-hamburg.de/ers-sar/]
Figure 2. ERS-1 C-Band VV SAR image of the Strait of Messina collected on September 22, 1994 at 21:15 GMT (Orbit: 16672, Frames: 0747). Image dimensions are 100 km x 100 km centered at 37°38' N, 15°22' E. The image shows signatures of two prominent internal wave packets propagating south out of the strait with the signature of a smaller, less intense packet between them. [ERS-1 image ©ESA 1994, from The Tropical and Subtropical Ocean Viewed by ERS SAR http://www.ifm.uni-hamburg.de/ers-sar/]
Figure 3. ERS-1 SAR images of the Strait of Messina shown with the local bathymetry. (Bathymetry derived from Smith and Sandwell version 8.2). The internal waves in the strait are generated by strong tidal flow over the shallow sill separating Italy from Sicily. [Original ERS images ©ESA 1993, 1994, from The Tropical and Subtropical Ocean Viewed by ERS SAR http://www.ifm.uni-hamburg.de/ers-sar/]
Related Publications


