

The Scatterometer (SCA) L1B test data is generated using the SCA-GPP (SCA Ground Processor Prototype) v1.1. The input SCA L0 data is produced by the SCA-IDS (SCA Instrument Data Simulator) v1.0.4. The SCA L1B test data is available in netCDF format following the SCA L1 Product Format Specifications (PFS). This test data package includes the L1B data, SCA L1 PFS, a readme file, and a checksum file.

The test data covers a full orbit from 2007-09-12 10:22:03.00 to 2007-09-12 12:04:03.00.

This is a test data set for the nominal processing in measurement mode and covers a number of point targets and transponder signals. The simulated data in the orbit has different noise characteristics. Its first half has a lower noise level than its second half (representing noise characteristics over water and land respectively).

The centre part of the orbit contains a grid of approximately 60 point targets, located at near, mid and far swath. The point targets have an RCS of 80, 72 and 65 dBm² (constant value across the swath, varying only over the along track positions). Figure below shows the subsatellite track of the orbit.

