



Sentry CHIRP/Sidescan **Current Status**



Hardware

- Edgetech 4-24khz Chirp Sub-bottom profiler
- Edgetech 120/400 khz sidescan
- Integrated with Sentry's acoustic synchronization system

Postprocessing Software

- Present capabilities are sufficient to verify that we have good data on both SBP and SS
- SBP and SS records are merged with post-processed nav/attitude
- We use Edgetech programs for SBP and MBSystem for sidescan. Both these capabilities are functional but rudimentary.



Sentry CHIRP/Sidescan Post Processing



Development Path

- Greg Kurras acting as consultant/tutor/implementor
- Considering integrated products for SBP, Sidescan, and Bathymetric Sidescan from all major vendors: Triton, Chesapeake, etc.
- We have trial licenses from the systems under consideration, funding in-hand
- Kurras is testing candidate systems with data from our Kermadec Arc/de Ronde cruise and we will make a decision shortly
- Immediate goal will be to produce sidescan mosaics draped on vessel-based bathymetry by August (de Ronde's requirement).
- Export capability to Fledermaus, GMT, etc.



Sentry CHIRP/Sidescan MB System Example

