Bryan W. Stiles & John L. Davis
Pasadena, CA 91109
Mail Stop 300-319
4800 Oak Grove Dr.
For more information contact:

Bryan Stiles
California Institute of Technology
Jet Propulsion Laboratory
Bryan Stiles and Brian Pollard
Abstract
multi-pass median filtering
wind field
initialization using an external model ("nudge")
ambiguity removal
multiple peaks in objective function
maximum likelihood estimator
pointwise wind retrieval

Standard Wind Retrieval Algorithm
error bounds for that ambiguity
second stage: select best direction within the
first stage: select best ambiguity
ambiguity removal
ambiguities
estimate 80 percent error bounds on retrieved
pointwise wind retrieval

Mid-S swath Enhancement Technique
For initialization based on a threshold value:
- Limit the number of ambiguities available
  - Thresholded wind retrieval
- Median filter
  - Top two ambiguities to the model field
- Initialize the median filter with the closest of the
  - Locate up to four ambiguities
  - Baseline wind retrieval

Far-Swath Enhancement Technique
Wind field 2, Baseline

Wind field 2, Improved

Wind field 1, Baseline

Wind field 1, Improved

Example Wind Fields