Abstract
Standard Wind Retrieval Algorithm

- 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
error bounds for that ambiguity
second stage: select best direction within the
first stage: select best ambiguity
ambiguity removal
ambiguous
estimate 80 percent error bounds on retrieved
eventwise wind retrieval

Mid-Swath Enhancement Technique
Far-Swath Enhancement Technique

- baseline wind retrieval:
  - locate up to four ambiguities
  - initialize the median filter with the closest of the top two ambiguities to the model field
  - median filter

- thresholded wind retrieval:
  - limit the number of ambiguities available for initialization based on a threshold value
Comparison of Selected RMS Speed Error