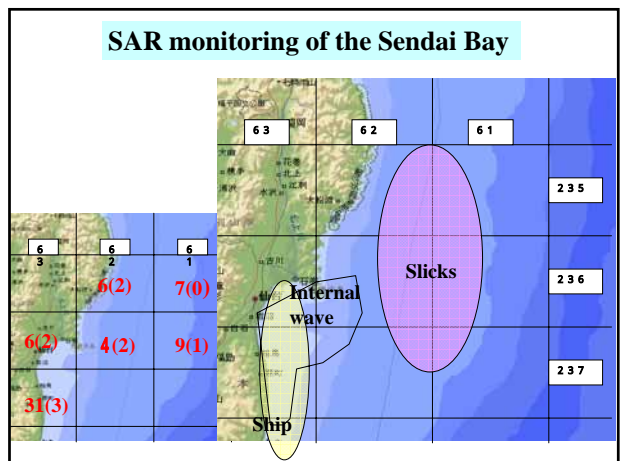
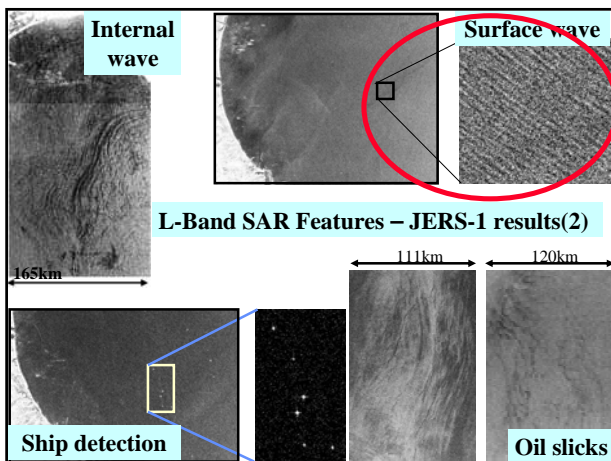
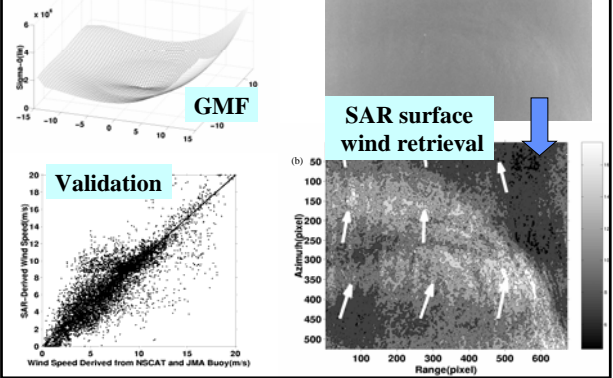


Study on the Oceanic Phenomena using PALSAR on board ALOS

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 Graduate School of Science
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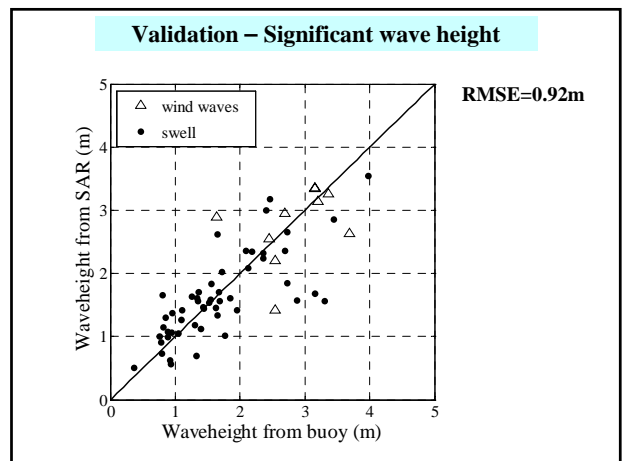
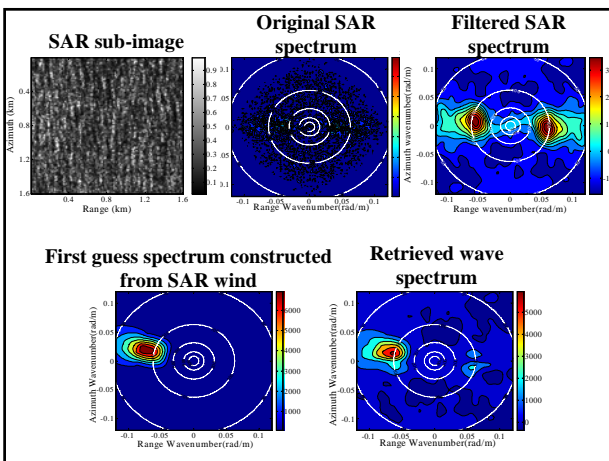
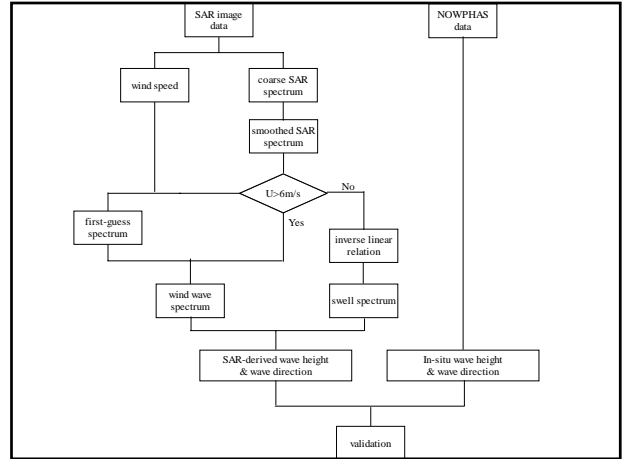
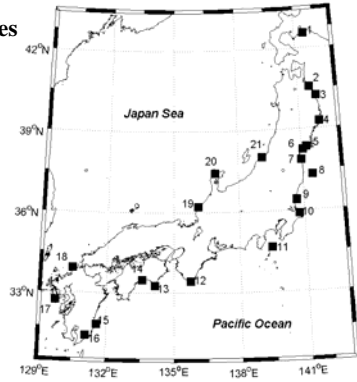
L-Band SAR Features – JERS-1 results

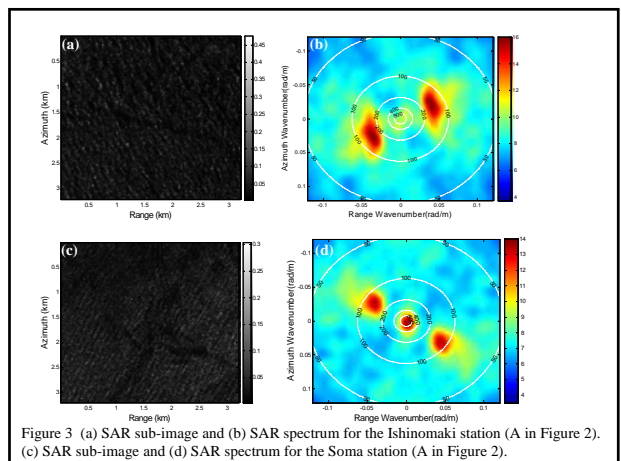
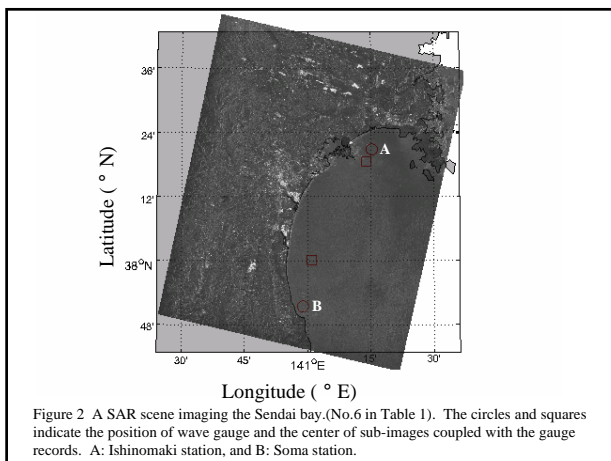
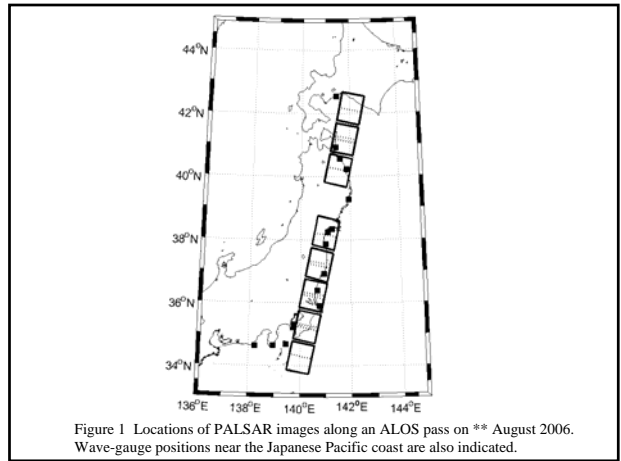
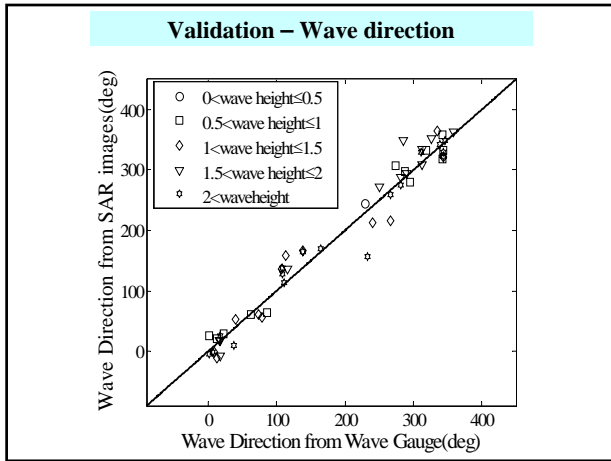


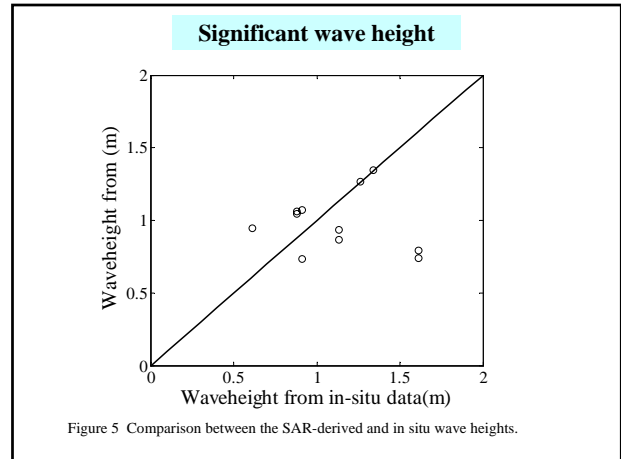
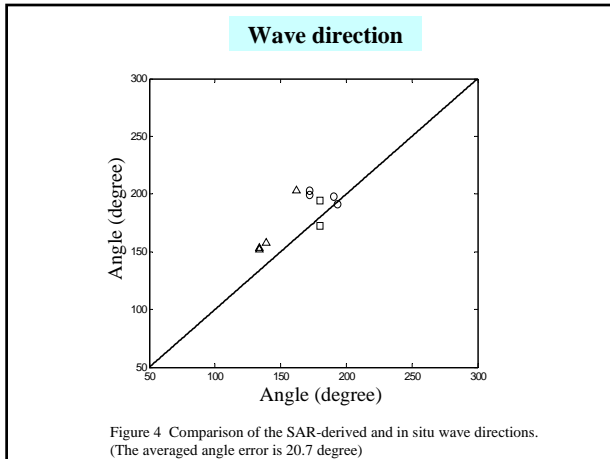
C-band Surface wave retrieval

Coastal wave gauges
for validation

NOWPHAS







Conclusions

A preliminary study has been conducted for retrieval of the coastal surface waves near the Japanese coasts.

- 1) A scheme of the ALOS/PALSAR (L-Band SAR) surface wave retrieval was developed on the basis of C-Band SAR wave retrieval scheme.**
- 2) Using the SAR images of a pass along the Japanese Pacific coast, the SAR-retrieved wave height are retrieved in the coastal seas near the coastal wave gauges. The comparison shows that the L-Band SAR has high potential in the retrieval of surface wave height.**
- 3) We need further R&D for high-accuracy surface wave retrieval.**