

SCATTEROMETER SPACECRAFT

Global Ocean Near-Surface Vector Winds/Air-Sea Interactions Weather Forecasting/Ice & Land Climate Studies

| <u>SATELLITE</u> | <u>SPONSOR</u> | <u>OCEAN-RELATED SENSORS TECHNICAL DETAILS & COMMENTS</u> | <u>LAUNCH</u> | <u>STATUS</u> |
|------------------|--------------------------------|--|---|----------------------------------|
| ERS-1 | ESA NASA | <u>C-band SAR+C-band SCAT(AMI), ALT (1-frequency), IR/MR (ATSR)</u> Alaska SAR Facility | July 1991 | On Standby in June 1996 |
| ERS-2 | ESA NASA | <u>ALT (1-frequency), C-SAR+C-SCAT (AMI), PRARE (tracking), IR/MR (ATSR)</u> Alaska SAR Facility | April 1995 | Operational |
| MIDORI (ADEOS-1) | NASDA NASA CNES | <u>VS (AVNIR), OC/VS & IR (OCTS)</u> <u>NSCAT (Ku-band)</u> OC/VS (POLDER, 9 bands) | August 1996 | Failed in June 1997 |
| QUIKSCAT | NASA (Ball Aerospace) | <u>SCAT (SeaWinds-1 [~Ku-band])</u> <u>Pencil Beam, scanning antenna</u> | June 19,1999 Titan-2 Launch | Operational |
| ADEOS-2 | NASDA NASDA NASA CNES | <u>OC/VS & IR (GLI, 36 bands)</u> <u>MR (AMSR, 6 frequency, 10-50km resolution)</u> <u>SCAT (SeaWinds-2 [~Ku-band]</u> OC/VS (POLDER, 9 bands), DCS | 2002+ | Approved |
| METOP-1, 2 & 3 | ESA NOAA CNES | <u>Advanced C-band SCAT</u> <u>VS/IR (AVHRR-3)</u> ARGOS DCS | #1- in ~2003+ #2- in ~2008+ #3- in ~2013+ | Approved Approved Approved |
| OCEANSAT-2 | INDIA (ISRO) | <u>Ku-ALT, SCAT (Ku-band) &/or MR</u> (Under consideration!) | 2003+ | Approved |