

SYNTHETIC APERTURE RADAR SPACECRAFT - Table 1

Sea Ice, Wind/Wave/Current Interactions and Multiple Land Uses

<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>SAR (C-band) + SCAT (C-band) (AMI), ALT (1-frequency), IR/MR (ATSR)</u> Alaska SAR Facility	July 1991	On Standby June 1996
JERS-1	NASA NASA	<u>L-SAR (high & low resolution), Visible (stereo)</u> Alaska SAR Facility	February 1992	Completed 11 Oct 1998
ERS-2	ESA	<u>ALT (1-frequency), C-SAR+C-SCAT (AMI) PRARE (tracking), IR/MR (ATSR)</u>	April 1995	Operational
RADARSAT-1	CANADA NASA NOAA	<u>SAR (C-band)</u> Alaska SAR Facility, Launch Distribute Data	November 1995	Operational
SRTM (Shuttle Radar Topography Mission)	NASA/NIMA DRL/ASI	<u>C/X-band Interferometric SAR, 57° Inclination Map Elevation of 80% of Earth's Surface @ ~10m height & ~30m spatial resolution</u>	Feb 11, 2000 11 day mission	Complete
ENVISAT	ESA	<u>ALT (AR-2, 2-frequency), Advanced C-band SAR IR/MR (AATSR), OC/VIS (MERIS), MR (MWR) Advanced Doris (tracking)</u>	June 2001	Approved
RADARSAT-2	CANADA/ESA(?) Orbimage	<u>SAR (C-band), 3m resolution Data Distribution</u>	2002	Approved Approved

SYNTHETIC APERTURE RADAR SPACECRAFT - Table 2

Sea Ice, Wind/Wave/Current Interactions and Multiple Land Uses

<u>SATELLITE</u>	<u>SPONSOR</u>	<u>OCEAN-RELATED SENSORS</u> <u>TECHNICAL DETAILS & COMMENTS</u>	<u>LAUNCH</u>	<u>STATUS</u>
ALOS	NASDA	PALSAR (L-band, variable off-nadir) Prism PAN (3bands), ~2.5m resolution, 35km swath, stereo mapping AVNIR-2 MS (4bands), ~10m resolution, 70 km swath	2002+	Approved
Radar1	RDL Space	SAR (~5m resolution), 62° inclination rapid (<12 hrs.) data delivery	2004?	Proposed