

ALTIMETER SPACECRAFT

Sea-Surface Height - Ocean Circulation & Climate Variability Studies

<u>SATELLITE</u>	<u>SPONSOR</u>	<u>OCEAN-RELATED SENSORS TECHNICAL DETAILS & COMMENTS</u>	<u>LAUNCH</u>	<u>STATUS</u>
GEOSAT	USN	<u>ALT (1-frequency)</u>	March 1985	Completed in Late 1989
ERS-1	ESA NASA	<u>ALT (1-frequency), C-SAR+C-SCAT (AMI) IR/MR (ATSR) Alaska SAR Facility</u>	July 1991	On Standby In June 1996
TOPEX/POSEIDON	NASA CNES	<u>ALT (2-frequency), GPS & laser tracking, MR ALT (1-frequency), DORIS (tracking), Launch</u>	August 1992	Operational Operational
ERS-2	ESA NASA	<u>ALT (1-frequency), C-SAR+C-SCAT (AMI) PRARE (tracking), IR/MR (ATSR) Alaska SAR Facility</u>	April 1995	Operational
GFO (GEOSAT Follow-On)	US Navy (Ball Brothers)	<u>ALT (1-frequency), GPS (tracking), MR</u>	February 1998 (Taurus launch)	Not Yet Operational
JASON-1 (TOPEX/PO Follow-On #1)	CNES NASA	<u>ALT (2-frequency, DORIS & GPS (tracking) Launch, Microwave Radiometer, Operations</u>	Nov 2000+ (Delta Launch)	Approved
ENVISAT	ESA	<u>ALT (RA-2, 2-frequency), Adv. C-SAR, IR/MR (AATSR), OC/VIS (MERIS), MR (MWR), Adv. DORIS (tracking)</u>	June 2001	Approved
GRACE (Gravity Recovery And Climate Experiment)	NASA	<u>High resolution & time varying gravity Using 2 satellites</u>	~2001	Approved
JASON-2 (TOPEX/POSEIDON Follow-On #2)	CNES/NASA	<u>ALT (2-frequency), DORIS & GPS (tracking), MR</u>	~2004+	Proposed