VISIBLE/INFRARED LOW-RESOLUTION* SPACECRAFT - Table 1

Sea-Surface Temperature, Sea Ice and Land Use Changes

SATELLITE	SPONSOR	OCEAN-RELATED SENSORS TECHNICAL DETAILS & COMMENTS	LAUNCH	STATUS
DMSP 5D-1, 2 & 3 (5D-2 Series: Start 1982, Last launch April 1997; First 5D-3 launch Dec 1999,SSMI-S)	USAF/NOAA	MR (SSMI), 2 frequency, VS/IR (OLS)	Sept 1976	Operational
NIMBUS-7	NASA	SMMR, IR (THIR), CZCS	October 1978	Completed in 1985
US Polar Series NOAA 6-15 ('79-present), #15 (am) with 6 channel-AVHRR [May 1998], #14 (pm) [Dec 1994], #16 Spring 2000	NOAA	VS/IR (AVHRR - 5 channel), ARGOS	October1978	Operational
MOS-1A	NASDA	OC/VS, VS/Land, IR (VTIR), MR	February 1987	Completed in 1995
MOS-1B	NASDA	OC/VS/Land, IR (VTIR), MR	February 1990	Completed in 1996
ERS-1	ESA	IR/MR (ATSR-1), ALT (1-frequency) C-band SAR+C-band SCAT (AMI)	July 1991	On Standby June1996
ERS-2	ESA	IR/MR (ATSR-2), ALT (1-frequency) PRARE (tracking), C-SAR+C-SCAT (AMI)	April 1995	Operational
MIDORI (ADEOS-1)	NASDA NASA CNES	VS (AVNIR), OC/VS & IR (OCTS) NSCAT (Ku-band) OC/VS (POLDER)	February 1996	Failed June 1997
TRMM (Tropical Rainfall Measuring Mission)	NASDA/NASA	VS/IR (VIRS), MR (TMI) Precipitation Radar, CERES, LIS @ 35° inclination	November 1997	Operational

*Resolution is ~500-1000m

W. Patzert/JPL

VISIBLE/INFRARED LOW-RESOLUTION* SPACECRAFT - Table 2

Sea-Surface Temperature, Sea Ice and Land Use Changes

SATELLITE	SPONSOR	OCEAN-RELATED SENSORS TECHNICAL DETAILS & COMMENTS	LAUNCH	STATUS
TERRA (EOS-AM1)	NASA	OC/VS & IR (MODIS, 36 bands)	Dec 18, 1999	Launched
ENVISAT	ESA	ALT (RA-2, 2-frequency), ACSAR, IR/MR (AATSR), OC/VS (MERIS, 15 bands), MR (MWR), Advanced DORIS (tracking)	June 2001	Approved
AQUA (EOS-PM1)	NASA	OC/VS&IR (MODIS, 36 bands), AMSU, AIRS MR (AMSR/E, 12 channels), HSB, CERES	Dec 2000+	Approved
ADEOS-2	NASDA	OV/VS & IR (GLI, 36 bands) MR (AMSR, 6 frequency), 10-50km resolution	2002+	Approved
	NASDA	SeaWinds-2 (~Ku-band SCAT)		
	CNES	OC/VS (POLDER, 9 bands), DCS		
METOP-1, 2 & 3	ESA	Advanced C-band SCAT	#1in ~2003+	Approved
	NOAA	VS/IR (AVHRR-3)	#2 in ~2008+	Approved
	CNES	ARGOS DCS	#3 in ~2013+	Approved

*Resolution is ~ 500-1000m

W. Patzert/JPL