

Appendix A: Operational and Planned Earth Observing Satellite Systems

A

Satellite platform	Country	Agency	Year of launch	Description
Landsat 4	u s	NOAA	1982	Land remote sensing
Landsat 5	u s	NOAA ¹	1984	Land remote sensing
NOAA 11	u s	NOAA	1988	Meteorology (polar)
NOAA 12	u s	NOAA	1991	Meteorology (polar)
GOES-7	u s	NOAA	1987	Meteorology (GEO)
GOES-8	u s	NOAA	1994	Meteorology (GEO)
Upper Atmospher- ic Research Satel- lite (UARS)	u s	NASA	1991	Atmospheric chemistry
SPOT 1	France	CNES	1986	Land remote sensing
SPOT 2	France	CNES	1990	Land remote sensing
SPOT 3	France	CNES	1993	Land remote sensing
Meteosat 3	Europe	Eumetsat	1988	Meteorology (GEO)
Meteosat 4	Europe	Eumetsat	1989	Meteorology (GEO)
Meteosat 5	Europe	Eumetsat	1991	Meteorology (GEO)
Meteosat 6	Europe	Eumetsat	1993	Meteorology (GEO)
ERS- 1	Europe	ESA	1991	Ocean dynamics, Ice
Topex/Poseidon	U S /France	NASA CNES	1992	Ocean dynamics
GMS-4	Japan	JMA	1989	Meteorology (geosynchronous)
MOS-1 b	Japan	NASDA	1990	Land and ocean color
JERS-1	Japan	NASDA	1992	Ocean/Ice and land remote sensing
IRS 1 a	India	ISRO	1988	Land remote sensing
IRS 1 b	India	ISRO	1991	Land remote sensing
IN SAT IIa	India	ISRO	1992	Meteorology (GEO) and telecommu- nications
Meteor 2	Russia	Hydromet	1975 (series)	Meteorology (polar)

(continued)

148 I Remotely Sensed Data Technology, Management, and Markets

Satellite platform	Country	Agency	Year of launch	Description
Meteor 3	Russia	Hydromet	1984 (series)	Meteorology (polar)
Okeun-O	Russia	Hydromet	1986 (series)	Ocean
Resurs-O	Russia	Hydromet	1985 (series)	Land
Planned			<2000	
NOAA-J	U.S.	NOAA	1994	Meteorology (polar)
NOAA-K	U.S.	NOAA	1996	Meteorology (polar)
NOAA-L	U.S.	NOAA	1997	Meteorology (polar)
NOAA-M	U.S.	NOAA	1999	Meteorology (polar)
NOAA-N	U.S.	NOAA	2000	Meteorology (polar)
GOES-J	U.S.	NOAA	1995	Meteorology (GEO)
GOES-K	U.S.	NOAA	1999	Meteorology (GEO)
GOES-L	U.S.	NOAA	2000	Meteorology (GEO)
TOMS Earth Probe	U.S.	NASA	1995	Atmospheric chemistry
EOS AM-1	U.S.	NASA	1998	Climate, atmospheric chemistry, ocean color, land remote sensing
EOS PM-1	U.S.	NASA	2000	Climate and meteorology
EOS Aero-1	U.S.	NASA	2000	Atmospheric chemistry and aerosols
EOS Color	U.S.	NASA	1998	Ocean color
Landsat 7	U.S.	NASA/NOAA	1998	Land remote sensing
SeaStar	U.S./Commercial	Orbital Sciences Corp.	1995	Ocean color
WorldView	U.S./Commercial	WorldView Imaging Corp	1995	High-resolution land remote sensing
Space Imaging	U.S./Commercial	Lockheed Corp	1997	High-resolution land remote sensing
EyeGlass	U.S./Commercial	Orbital Sciences Corp. Itek Corp GDE Systems Corp	1997	High-resolution land remote sensing
TRMM	US/Japan	NASA/NASDA	1997	Climate and tropical precipitation
Meteosat 7	Europe	Eumetsat	1995	Meteorology (GEO)
Meteosat 8	Europe	Eumetsat	2000	Meteorology (GEO)
METOP	Europe	Eumetsat	2000	Polar meteorological satellite
SPOT 4	France	CNES	1996	Land remote sensing
ERS-2	Europe	ESA	1994/95	Ocean dynamics, ice, atmospheric chemistry
Envisat-1	Europe	ESA	1998	Atmospheric chemistry, ocean dynamics and color
Radarsat	Canada	CS/VRadarsat, Int	1995	Ocean surface, ice
GMS-5	Japan	NASDA	1994	Meteorology (GEO)
ADEOS	Japan	NASDA	1996	Climate, atmospheric chemistry, ocean dynamics, ocean color, land remote sensing
GOMS	Russia	Hydromet	1994	Meteorology (GEO)
Almaz-1 B	Russia		1996	Ocean surface, ice
Almaz-2	Russia		1999	Ocean surface, ice

(continued)

Appendix A: Operational and Planned Earth Observing Satellite Systems | 149

Satellite platform	Country	Agency	Year of launch	Description
IRS- 1 C	India	ISRO	1994	Land remote sensing
IRA- 1 d	India	ISRO	1996	Land remote sensing
IRS-P2	India	ISRO	1994	Land remote sensing and ocean color
W - 2	China	NRSC	1994	Meteorology (GEO)
MECB SSR-1	Brazil	INPE	1996	Land/vegetation
MECB SSR-2	Brazil	INPE	1997	Land/vegetation