CGMS

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Prepared by NOAA
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Discussed in WGIII

NOAA Table of Polar-orbiting Satellites Equator Crossing Times and Frequencies

In response to CGMS Permanent Action 01

NOAA continues to provide updates for the WMO on the POES and Joint Polar-orbiting Satellite System (JPSS), formerly NPOESS, data formats and frequencies. This table contains the latest information on the current and planned operations of the NOAA polar constellations.

NOAA table of Polar-orbiting Satellites Equator Crossing Times and Frequencies

(as of 01 September 2011)

Satellite	Service	Start	EOL	Eq. Cross-time	Freq (MHz)	BW MHz	Data rate (Mb/s)
Metop-1	LRPT	2006	2011	0930	137.9	.150	.072
Metop-2	LRPT	2010	2015	0930	137.9	.150	.072
Metop-3	LRPT	2015	2020	0930	137.9	.150	.072
Metop-1	AHRPT	2006	2011	0930	1701.3	4.5	3.5
Metop-2	AHRPT	2010	2015	0930	1701.3	4.5	3.5
Metop-3	AHRPT	2015	2020	0930	1701.3	4.5	3.5
Metop-1	GDS	2006	2011	0930	7800	63	70
Metop-2	GDS	2010	2015	0930	7800	63	70
Metop-3	GDS	2015	2020	0930	7800	63	70
NPP (JPSS)	HRD	2011	2016	1330 A	7812	30.8	15
NPP (JPSS)	SMD	2011	2016	1330 A	8212.5	375	300
JPSS-1	HRD	2016	2023	1330 A	7812/7830	30.8	20
JPSS-1	SMD	2016	2023	1330 A	25650	300	150
JPSS-2	LRD	2021	2028	1330 A	1706	8.0	3.88
JPSS-2	HRD	2021	2028	1330 A	7812/7830	30.8	20
JPSS-2	SMD	2021	2028	1330 A	25650	300	150
NOAA-15	APT	1998	2001	1638 A	137.5 / 137.62 (Prime)	.038	.017
NOAA-15	BTX	1998	2001	1638 A	137.35 (Prime)/ 137.77	.046	.00832
NOAA-15	HRPT	1998	2001	1638 A	1702.5 (Omni)	2.66	.665
NOAA-15	GAC	1998	2001	1638 A	2247.5 (1698 / 1707 Inoperable)	5.32	2.66
NOAA-16	APT	2000	2004	1945 A	Failed	.038	.017
NOAA-16	BTX	2000	2004	1945 A	137.35 / 137.77 (Prime)	.046	.00832
NOAA-16	HRPT	2000	2004	1945 A	1698 (RHCP)	2.66	.665
NOAA-16	GAC/LAC	2000	2004	1945 A	1698 / 1702.5 (1707 Inoperable)	5.32	2.66
NOAA-17	APT	2002	2006	2043 A	137.50 (Prime) / 137.62	.038	.017
NOAA-17	BTX	2002	2006	2043 A	137.35 / 137.77 (Prime)	.046	.00832
NOAA-17	HRPT	2002	2006	2043 A	1698 (RHCP)	2.66	.665
NOAA-17	GAC/LAC	2002	2006	2043 A	1698 / 1702.5 / 2247.5 (1707 Inoperable)	5.32	2.66
NOAA-18	APT	2005	2009	1422 A	137.1 / 137.9125 (Prime)	.038	.017
NOAA-18	BTX	2005	2009	1422 A	137.35 (Prime) / 137.77	.046	.00832
NOAA-18	HRPT	2005	2009	1422 A	1707.0 (RCHP)	2.66	.665
NOAA-18	GAC/LAC	2005	2009	1422 A	1698 / 1702.5 / 1707	5.32	2.66
NOAA-19	APT	2009	2013	1332	137.1 (Prime)/ 137.9125	.038	.017

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NOAA-19	BTX	2009	2013	1332 A	137.35 / 137.77 (Prime)	.046	.00832
NOAA-19	HRPT	2009	2013	1332 A	1698 (RHCP)	2.66	.665
NOAA-19	GAC/LAC	2009	2013	1332 A	1698 / 1702.5 / 1707	5.32	2.66