CGMS-36, NOAA-WP-24
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Discussed in WG3

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 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 October 2008)

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	HRD	2009	2013	1330 A	7812	30	15
NPP	SMD	2009	2013	1330 A	8212.5	300	300
NPOESS-1	LRD	2013	2019	1330 A	1707	6.0	3.88
NPOESS-2	LRD	2016	2021	0530 D	1707	6.0	3.88
NPOESS-3	LRD	2020	2025	1330 A	1707	6.0	3.88
NPOESS-4	LRD	2022	2027	0530 D	1707	6.0	3.88
NPOESS-1	HRD	2013	2019	1330 A	7834	32	20
NPOESS-2	HRD	2016	2021	0530 D	7834	32	20
NPOESS-3	HRD	2020	2025	1330 A	7834	32	20
NPOESS-4	HRD	2022	2027	0530 D	7834	32	20
NPOESS-1	SMD	2013	2019	1330 A	26700	300	150
NPOESS-2	SMD	2016	2021	0530 D	26700	300	150
NPOESS-3	SMD	2020	2025	1330 A	26700	300	150
NPOESS-4	SMD	2022	2027	0530 D	26700	300	150
NOAA-15	APT	1998	2001	0730	137.5 / 137.62	.038	.0017
NOAA-15	BTX	1998	2001	0730	137.35 / 137.77	.046	.00832
NOAA-15	HRPT	1998	2001	0730	1702.5	2.66	.665
NOAA-15	GAC	1998	2001	0730	2247.5	5.32	2.66
NOAA-16	APT	2000	2004	1400	Failed	.038	.017
NOAA-16	BTX	2000	2004	1400	137.35 / 137.77	.046	.00832
NOAA-16	HRPT	2000	2004	1400	1702.5	2.66	.665
NOAA-16	GAC/LAC	2000	2004	1400	1698 / 1702.5 (1707 Failed)	5.32	2.66
NOAA-17	APT	2002	2006	1000	137.50 / 137.62	.038	.017
NOAA-17	BTX	2002	2006	1000	137.35 / 137.77	.046	.00832
NOAA-17	HRPT	2002	2006	1000	1698	2.66	.665
NOAA-17	GAC/LAC	2002	2006	1000	1698 / 1702.5 / 1707	5.32	2.66
NOAA-18	APT	2005	2009	1400	137.1 / 137.9125	.038	.017
NOAA-18	BTX	2005	2009	1400	137.35 / 137.77	.046	.00832
NOAA-18	HRPT	2005	2009	1400	1698 / 1707	2.66	.665
NOAA-18	GAC/LAC	2005	2009	1400	1698 / 1702.5 / 1707	5.32	2.66
NOAA-N'	APT	2009	2013	1400	137.1 / 137.9125	.038	.017

NOAA-N’	BTX	2009	2013	1400	137.35 / 137.77	.046	.00832
NOAA-N’	HRPT	2009	2013	1400	1698 / 1707	2.66	.665
NOAA-N’	GAC/LAC	2009	2013	1400	1698 / 1702.5 / 1707	5.32	2.66
Meteor 3M N2	LRPT	2004	2011	1030	137.89 / 137.1	0.15	0.064
Meteor 3M N2	HRPT	2004	2011	1030	1700	2	0.665
Meteor 3M N2	Raw	2004	2011	1030	8192	32	15.36