

**Table #3: Coordination of Data Formats and Frequency  
Planning for Polar-orbiting satellites**

This working paper provides an up-to-date-record of the US satellite missions and services for the current/future POES and NPOESS spacecrafts. The information presented in the document is accurate for the period ending September 18, 2002.

**Table #3: Coordination of Data Formats and Frequency Planning for Polar-orbiting satellites**

## 1 Introduction

The USA 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.

COORDINATION OF DATA FORMATS AND FREQUENCY PLANNING FOR POLAR-ORBITING SATELLITES  
(as of September 18, 2002)

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	2005	2009	1030	7750-7850	30.8	20
NPP	SMD	2005	2009	1030	8025-8400	232	300
NPOESS-1	LRD	2009	2015	0930	1702.5/1706.5	4.0	4.0
NPOESS-2	LRD	2011	2018	1330	1702.5/1706.5	4.0	4.0
NPOESS-3	LRD	2013	2019	0530	1702.5/1706.5	4.0	4.0
NPOESS-4	LRD	2015	2021	0930	1702.5/1706.5	4.0	4.0
NPOESS-5	LRD	2018	2024	1330	1702.5/1706.5	4.0	4.0
NPOESS-6	LRD	2019	2025	0530	1702.5/1706.5	4.0	4.0
NPOESS-1	HRD	2009	2015	0930	7750-7850	30.8	20
NPOESS-2	HRD	2011	2018	1330	7750-7850	30.8	20
NPOESS-3	HRD	2013	2019	0530	7750-7850	30.8	20
NPOESS-4	HRD	2015	2021	0930	7750-7850	30.8	20
NPOESS-5	HRD	2018	2024	1330	7750-7850	30.8	20
NPOESS-6	HRD	2019	2025	0530	7750-7850	30.8	20
NPOESS-1	SMD	2009	2015	0930	25500-27000	384	400
NPOESS-2	SMD	2011	2018	1330	25500-27000	384	400
NPOESS-3	SMD	2013	2019	0530	25500-27000	384	400
NPOESS-4	SMD	2015	2021	0930	25500-27000	384	400
NPOESS-5	SMD	2018	2024	1330	25500-27000	384	400
NPOESS-6	SMD	2019	2025	0530	25500-27000	384	400
NOAA-15	APT	1998	2001	0730	137.5 – 137.62	.034	.0017
NOAA-15	BTX	1998	2001	0730	137.35 – 137.77		.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	.034	.017
NOAA-16	BTX	2000	2004	1400	137.35 – 137.77		.00832
NOAA-16	HRPT	2000	2004	1400	1698	2.66	.665
NOAA-16	GAC/LAC	2000	2004	1400	1698/1702.5 (1707 Failed)	5.32	2.66
NOAA-17	APT	2002	2005	1000	137.50 – 137.62	.034	.017

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Satellite	Service	Start	EOL	Eq. Cross-time	Freq (MHz)	BW MHz	Data rate (Mb/s)
NOAA-17	BTX	2002	2005	1000	137.35 – 137.77		.00832
NOAA-17	HRPT	2002	2005	1000	1698	2.66	.665
NOAA-17	GAC/LAC	2002	2005	1400	1698//1702.5/1707	5.32	2.66
NOAA-N	APT	2004	2008	1330	137.50 – 137.62	.034	.072
NOAA-N	BTX	2004	2008	1330	137.35 – 137.77		.00832
NOAA-N	HRPT	2004	2008	1330	1698/1707	2.66	.665
NOAA-N	GAC/LAC	2004	2008	1330	1698//1702.5	5.32	2.66
NOAA-N'	APT	2008	2012	1330	137.50 – 137.62	.034	.017
NOAA-N'	BTX	2008	2012	1330	137.35 – 137.77		.00832
NOAA-N'	HRPT	2008	2012	1330	1698/1707	2.66	.665
NOAA-N'	GAC/LAC	2008	2012	1330	1698//1702.5/1707	5.32	2.66
FY-1C	CHRPT	1999	2001	0830	1698-1710	5.6	1.3308
FY-1D	CHRPT	2002	2004	0900	1698-1710	5.6	1.3308
FY-3A	AHRPT	2004	2007	1010	1698-1710	5.6	4.2
FY-3B	AHRPT	2006	2009	1010	1698-1710	5.6	4.2
FY-3C	AHRPT	2008	2011	1010	1698-1710	5.6	4.2
FY-3D	AHRPT	2010	2013	1010	1698-1710	5.6	4.2
FY-3E	AHRPT	2012	2015	1010	1698-1710	5.6	4.2
FY-3A	MPT	2004	2007	1010	7750-7850	35	18.2
FY-3B	MPT	2006	2009	1010	7750-7850	35	18.2
FY-3C	MPT	2008	2011	1010	7750-7850	35	18.2
FY-3D	MPT	2010	2013	1010	7750-7850	35	18.2
FY-3E	MPT	2012	2015	1010	7750-7850	35	18.2
FY-3A	DPT	2004	2007	1010	8025-8215 / 8215-8400	120	93
FY-3B	DPT	2006	2009	1010	8025-8215 / 8215-8400	120	93
FY-3C	DPT	2008	2011	1010	8025-8215 / 8215-8400	120	93
FY-3D	DPT	2010	2013	1010	8025-8215 / 8215-8400	120	93
FY-3E	DPT	2012	2015	1010	8025-8215 / 8215-8400	120	93
Meteor 3M N1*	Raw	2001	2004	0915	466.5	3	0.080
Meteor 3M N1*	Raw	2001	2004	0915	1700	2	0.665
Meteor 3M N1*	Raw	2001	2004	0915	8192	32	15.36
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