



This list contains information on all satellites that are featured in satDump (and some more!). I made this list with the best of my knowledge, but mistakes can always happen. This list is maintained by Crosswalkersam - if you find any mistakes or you want to add to it, consider maing a PR or drop us a message on our Matrix server!

Thanks to Zbychu, Aang23, SnazzLazz and Carl Reinemann for double checking this list!

Orbiting satellites

NOAA-15 [[Norad 25338](#)]

Frequency	Status	Downlink type	Location
DSB (137.35MHz)	Active	DB	Global
APT (137.62MHz)	Active	DB	Global
HRPT (1702.5MHz)	Active	DB	Global
HRPT (2247.5MHz)	Active	DB	Global
GAC (2247.5MHz)	Active	Dump	Wallops [US]

Instrument	Status
AVHRR 3	Working (degraded)
HIRS	Working (degraded)
AMSU A	Working
AMSU B	Defective
SEM	Working

Annotation: NOAA-15 is a old, the AVHRR scanning may fail or recover spontaeously.

NOAA-18 [[Norad 28654](#)]

Frequency	Status	Downlink type	Location
DSB (137.35MHz)	Active	DB	Global
APT (137.9125MHz)	Active	DB	Global
HRPT (1707MHz)	Active	DB	Global
HRPT (2247.5MHz)	Active	DB	Global
GAC (1698MHz)	Active	Dump	Wallops [US]

Instrument	Status
AVHRR 3	Working
MHS	Defective
HIRS	Defective



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AMSU A	Working
SEM	Working
SBUV	Defective

NOAA-19 [[Norad 33591](#)]

Frequency	Status	Downlink type	Location
DSB (137.77MHz)	Active	DB	Global
APT (137.1MHz)	Active	DB	Global
HRPT (1698MHz)	Active	DB	Global
HRPT (2247.5MHz)	Active	DB	Global
GAC (1702.5 MHz)	Active	Dump	Wallops [US] and Svalbard [NOR]

Instrument	Status
AVHRR 3	Working
MHS	Working (degraded)
HIRS	Working
AMSU A	Working
SEM	Working
SBUV	Defective

METEOR-M N1 [[Norad 35865](#)]

Frequency	Status	Downlink type	Location
LRPT (137.1/.9MHz)	Inactive	DB	Global
HRPT (1700MHz)	Inactive	DB	Global
C-Band (3405MHz)	Inactive	DB	Global
X-Band 1 (8120MHz)	Inactive	Dump	Moscow [RUS]
X-Band 2 (8320MHz)	Inactive	Dump	Moscow [RUS]

Instrument	Status
MSU-MR	Deactivated

Annotation: METEOR-M N1 suffered a loss of attitude. It was completely deactivated, some rare activity on 1700Mhz.

METEOR-M N2 [[Norad 40069](#)]

Frequency	Status	Downlink type	Location
LRPT (137.1/.9MHz)	Inactive	DB	Global



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HRPT (1700MHz)	Inactive	DB	Global
C-Band (3405MHz)	Unknown	DB	Global
X-Band 1 (8120MHz)	Unknown	Dump	Moscow [RUS]
X-Band 2 (8320MHz)	Unknown	Dump	Moscow [RUS]

Instrument	Status
MSU-MR	Deactivated
KMSS	Deactivated
Severjanin-M	Deactivated
IKFS-2	Deactivated
GGAK	Working (?)

Annotation: METEOR-M N2 suffered a loss of attitude on 24/12/2022. Because of that, most instruments have been deactivated and recovery is unlikely. Only instruments that do not require NADIR continue to work.

METEOR-M N2-2 [[Norad 44387](#)]

Frequency	Status	Downlink type	Location
LRPT (137.1/.9MHz)	Inactive	DB	Global
HRPT (1700MHz)	Active	DB	Global
C-Band (3405MHz)	Active	DB	Global
X-Band 1 (8128MHz)	Active	Dump	Moscow [RUS]
X-Band 2 (8320MHz)	Active	Dump	Moscow [RUS]

Instrument	Status
MSU-MR	Working
KMSS	Working
Severjanin-M	Defective
MTVZA	Deactivated
GGAK	Working

Annotation: A depressurization occurred and N2-2 leaked coolant, causing some parts of the sat to overheat. Due to this, LRPT is unavailable. MTVZA may be switched on and off randomly (Deactivated as of 21/05/2023).

Update 28/01/2023: HRPT is now also active at night, and not limited by daylight.

METEOR-M N2-3 [[Norad 57166](#)]

Frequency	Status	Downlink type	Location
LRPT (137.9MHz)	Active	DB	Global



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HRPT (1700MHz)	Active	DB	Global
C-Band (3405MHz)	Active	DB	Global
X-Band 1 (8128MHz)	Active	Dump	Moscow [RUS]
X-Band 2 (8320MHz)	Active	Dump	Moscow [RUS]

Instrument	Status
MSU-MR	Working
KMSS	Working
Severjanin-M	Unknown
MTVZA	Working
GGAK	Working

Annotation: It seems like N2-3 is conflict switching. The frequency may change randomly between .1 and .9 and 72k/80k modes in order to avoid collisions with N18/N19 APT.

Annotation: N2-3 activated MTVZA on 04/07/2023 with a different format than METEOR-M N2-2.

Annotation: METEOR-M N2-3 suffered a loss of attitude on 2023/09/05. This is fixed now, 2-3 is working as intended.

Annotation: Users may see the horizon when receiving 2-4. This is likely not a loss of attitude, but for calibration purposes.

METEOR-M N2-4 [[Norad 59051](#)]

Frequency	Status	Downlink type	Location
LRPT (137.1MHz)	Active	DB	Global
HRPT (1700MHz)	Active	DB	Global
C-Band (3405MHz)	Unknown	DB	Global
X-Band 1 (8128MHz)	Inactive	Dump	Moscow [RUS]
X-Band 2 (8320MHz)	Active	Dump	Moscow [RUS]

Instrument	Status
MSU-MR	Working
MTVZA	Working
KMSS	Working
GGAK-M	Working
IKFS-2	Unknown
MeteoSAR	Unknown
IKOR-M	Unknown

Annotation: METEOR-KMSS is now supported in SatDump.



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Frequency	Status	Downlink type	Location
LRPT (137.1/.9MHz)	Inactive	DB	Global
AHRPT (1701.3MHz)	Inactive	DB	Global
S-Band (2230MHz)	Inactive	DB	Global
X-Band (7800MHz)	Inactive	Dump	Svalbard [NOR]

Annotation: METOP-A was decomissioned.

METOP-B [[Norad 38771](#)]

Frequency	Status	Downlink type	Location
AHRPT (1701.3MHz)	Active	DB	Global
S-Band (2230MHz)	Active	DB	Global
X-Band (7800MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
AVHRR 3	Working
MHS	Working
HIRS	Working
AMSU A1	Working
AMSU A2	Working
SEM	Working
ASCAT	Working
IASI	Working
GOME	Working

METOP-C [[Norad 43689](#)]

Frequency	Status	Downlink type	Location
AHRPT (1701.3MHz)	Active	DB	Global
S-Band (2230MHz)	Active	DB	Global
X-Band (7800MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
AVHRR 3	Working
MHS	Working (degraded)
AMSU A1	Working
AMSU A2	Working



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SEM	Working
ASCAT	Working
IASI	Working
GOME	Working

YUNHAI 1 / 3 [Norad 41856 / 54235]

Frequency	Status	Downlink type	Location
L-band (1704MHz)	Active	DB	Global

Annotation: Encrypted.

ANGELS [[Norad 44876](#)]

Frequency	Status	Downlink type	Location
L-band (1703MHz)	Active	DB	Global

SARAL [[Norad 39086](#)]

Frequency	Status	Downlink type	Location
L-band ARGOS (1698.4MHz)	Active	DB	Global
S-band (2245MHz)	Active	Dumps	Unknown
X-band (8212.5MHz)	Active	Dumps	Svalbard [NOR]

OCEANSAT-2 [[Norad 35931](#)]

Frequency	Status	Downlink type	Location
S-band (2245MHz)	Active	DB	Global
X-band (8212.5MHz)	Inactive	Dumps	Svalbard [NOR] and Unknown [IND]

Instrument	Status
OCM-2	Deactivated
SCAT	Defective
ROSA	Defective

OCEANSAT-3 [[Norad 54361](#)]

Frequency	Status	Downlink type	Location
L-band ARGOS (1703MHz)	Active	DB	Global
S-band (2250MHz)	Active	Dumps	Svalbard [NOR] and Unknown [IND]



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X-band (8275MHz)	Active	Dumps	Svalbard [NOR] and Unknown [IND]
Instrument	Status		
OCM-3	Working		
OSCAT-3	Working		
SSTM	Working		

OTB-3 (GAZELLE) [[Norad 54023](#)]

Frequency	Status	Downlink type	Location
L-band (1703MHz)	Active	DB	Global

FENGYUN 3-A [[Norad 32958](#)]

Frequency	Status	Downlink type	Location
AHRPT (1704.5MHz)	Inactive	DB	Global
S-Band (22XXMHz)	Active	DB	Global
MPT (7775MHz)	Inactive	DB	Global
DPT (8145.95MHz)	Inactive	Dump	Unknown [CHN] and Kiruna [SWE]

Instrument	Status
MERSI-I	Deactivated
ERM-I	Deactivated
IRAS	Deactivated
MWHS-I	Deactivated
MWRI-I	Deactivated
MWTS-I	Deactivated
SBUS	Deactivated
SIM-I	Deactivated
TOU	Deactivated
VIRR	Deactivated

Annotation: FENGYUN 3-A has been decomissioned.

FENGYUN 3-B [[Norad 37214](#)]

Frequency	Status	Downlink type	Location
AHRPT (1704.5MHz)	Inactive	DB	Global
S-Band (22XXMHz)	Active	DB	Global



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MPT (7775MHz)	Inactive	DB	Global
DPT (8145.95MHz)	Inactive	Dump	Unknown [CHN] and Kiruna [SWE]

Instrument	Status
MERSI-I	Deactivated
ERM-I	Deactivated
IRAS	Deactivated
MWHS-I	Deactivated
MWRI-I	Deactivated
MWTS-I	Deactivated
SBUS	Deactivated
SIM-I	Deactivated
TOU	Deactivated
VIRR	Deactivated

Annotation: FENGYUN 3-B has been decomissioned.

FENGYUN 3-C [[Norad 39260](#)]

Frequency	Status	Downlink type	Location
AHRPT (1701.3MHz)	Active	DB	China
MPT (7780MHz)	Inactive	DB	China
DPT (UnknownMHz)	Active	Dump	Unknown [CHN]

Instrument	Status
MERSI-I	Deactivated
ERM-I	Working
GNOS-I	Working
IRAS	Working
MWHS-II	Working
MWRI-I	Deactivated
MWTS-II	Working
SBUS	Working
SIM-II	Working
TOU	Working
VASS	Working
VIRR	Working



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FENGYUN 3-D [[Norad 43010](#)]

Frequency	Status	Downlink type	Location
AHRPT (7820MHz)	Active	DB	Global
DPT (8250MHz)	Active	Dump	Unknown [CHN] and Kiruna [SWE]

Instrument	Status
MERSI-II	Working
GAS	Working
GNOS-I	Working
HIRAS-I	Working
IPM	Working
MWHS-II	Working
MWRI-I	Working
MWTS-II	Working
SEM	Working
WAI	Working

FENGYUN 3-E [[Norad 49008](#)]

Frequency	Status	Downlink type	Location
AHRPT (7860MHz)	Active	DB	Global
DPT (8212.5MHz)	Active	Dump	Unknown [CHN] and Kiruna [SWE]

Instrument	Status
MERSI-LL	Working
GNOS-II	Working
HIRAS-II	Working
MWHS-II	Working
MWTS-III	Working
SEM	Working
SIM-II	Working
SSIM	Working
Tri-IPM	Working
WindRAD	Working
X-EUVI	Partially working



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FENGYUN 3-F [[Norad 57490](#)]

Frequency	Status	Downlink type	Location
AHRPT (7790MHz)	Active	DB	Global
DPT (8212.5MHz)	Active	Dump	Unknown [CHN] and Kiruna [SWE]
S-Band (2264.6MHz)	Active	DB	Global

Instrument	Status
MERSI-III	Active
HIRAS-II	Active
MWTS-II	Active
MWHS-III	Active
MWRI-II	Deactivated
GNOS-II	Active
OMS-L	Deactivated
OMS-N	Deactivated
ERM-II	Deactivated
SIM-II	Deactivated

Annotation: FengYun-3F is LHCP!

FENGYUN 3-G [[Norad 56232](#)]

Frequency	Status	Downlink type	Location
AHRPT (7790MHz)	Active	DB	Global
DPT (Unknown MHz)	Unknown	Dump	Unknown [CHN] and Kiruna [SWE]
S-Band (2243MHz)	Active	DB	Global

Instrument	Status
MERSI-RM	Working
PMR-Radar	Working
MWRI-RM	Working
SIPMAI	Deactivated
HAOC	Deactivated

Annotation: The S-Band seems to part of a chinese TDRS-like network using DSSS. Currently not decodable.

Annotation: The satellite may be rotated randomly. If the resulting images show jitter, select the “Rotated Satellite” checkbox in SatDump.



Satellite List



Frequency	Status	Downlink type	Location
S-Band (2235MHz)	Active	Dump	Redu [BEL]

Instrument	Status
CHRIS	Deactivated
HRC	Working (Degraded)
DEBIE	Working
SEM	Working

Annotation: On 19/01/2023, ESA officially declared the “CHRIS” instrument’s mission as completed. SEM, DEBIE and HRC data will still be acquired.

Annotation: Since end of 2023, PROBA-1 does not seem to do any imaging anymore. No HRC traffic was seen, only SEM and DEBIE.

PROBA-2 [[Norad 36037](#)]

Frequency	Status	Downlink type	Location
S-Band (2235MHz)	Active	Dump	Redu [BEL]

Instrument	Status
SWAP	Working
LYRA	Working
TPMU	Working
DSLIP	Working
X-CAM	Deactivated

PROBA-V [[Norad 39159](#)]

Frequency	Status	Downlink type	Location
S-Band (2235MHz)	Active	Dump	Redu [BEL]
X-Band (8090MHz)	Inactive	Dump	Kiruna [SWE]

Instrument	Status
Vegetation Imager	Working
EPS	Working

Annotation: Although PROBA-V’s mission has been declared completed, it sometimes transmits preview-data from its vegetation instrument on S-band. It is yet unclear if it will fully resume its duty and start dumping on X-Band aswell. PROBA-V was also seen transmitting GPS data.



Satellite List



Frequency	Status	Downlink type	Location
S-Band (2221MHz)	Active	Dump	Redu [BEL]
X-Band (8175.5MHz)	Active	Dump	Kiruna [SWE]

Instrument	Status
Vegetation Imager	Inactive

Annotation: It is not planned to transmit scientific preview data on S-Band like on PROBA-V. All Data will be X-Band.

Annotation May 2024: PVCC is still beeing comissioned (?)

PRETTY [[Norad 58023](#)]

Frequency	Status	Downlink type	Location
VHF (137.78MHz)	Active	Dump	Graz [AT]
S-Band (2244MHz)	Active	Dump	Graz [AT]

Instrument	Status
Reflectometer	Unknown
Dosimeter	Unknown

CORIOLIS [[Norad 27640](#)]

Frequency	Status	Downlink type	Location
S-Band (2221.5MHz)	Active	DB	Global
X-Band (Unknown MHz)	Active	Dump	SafetyNet?

Instrument	Status
WINDSAT	Working
SMEI	Deactivated

Annotation: SMEI is functional as far as it is known. Shutdown due to program funding issues.

Annotation: It seems like CORIOLIS ceased all S-Band DB transmissions on 2023/08/19. There is no official statement on this, yet.

Annotation 22/11/2023: The S-Band downlink was turned back on, but is only transmitting filler.

CLOUDSAT [[Norad 29107](#)]

Frequency	Status	Downlink type	Location
S-Band (2217.5MHz)	Inactive	Dump	Redu [BEL] / Wallops [US]



Satellite List



CPR

Deactivated

Annotation: Cloudsat was decommissioned.

SCISAT-1 [[Norad 27858](#)]

Frequency	Status	Downlink type	Location
S-Band (2232MHz)	Active	Dump	Kiruna [SWE], Quebec [CAN], etc

Instrument	Status
MAESTRO	Working
FTS	Working

Annotation : Dumps are done to various Canadian groundstation. No exhaustive list available.

CHEOPS [[Norad 44874](#)]

Frequency	Status	Downlink type	Location
S-Band (2208.5)	Active	Dump	Torrejon de Ardoz [SPA]

Instrument	Status
CIS	Working

SMAP [[Norad 40376](#)]

Frequency	Status	Downlink type	Location
S-Band (2274.3MHz)	Active	Dump	Svalbard [NOR], NEN
X-Band (8180MHz)	Active	Dump	Svalbard [NOR], NEN

Instrument	Status
SAR	Working
Radiometer	Working

Annotation: While S-Band is active, it only seems to transmit filler.

GRACE-FO 1 [[Norad 43476](#)]

Frequency	Status	Downlink type	Location
S-Band (2211MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
MWI	Working



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LRI	Working
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GRACE-FO 2 [[Norad 43477](#)]

Frequency	Status	Downlink type	Location
S-Band (2260.5MHz)	inactive (?)	Dump	Svalbard [NOR]

Instrument	Status
MWI	Working
LRI	Working

Annotation: Observations indicate that only GRACE-FO 1 is being used. FO 2 seems to be inactive.

JASON-3 [[Norad 41240](#)]

Frequency	Status	Downlink type	Location
S-Band (2215.92MHz)	Active	Dump	Kiruna [SWE], Wallops [US]?

Instrument	Status
POSEIDON	Working
AMR-2	Working
LPT	Working

Annotation: The decoder for JASON-3 wasnt ported to the newest version yet. To get all instruments, please use v0.0.39.

MATS [[Norad 54227](#)]

Frequency	Status	Downlink type	Location
S-Band (2214MHz)	Active	Dump	Kiruna [SWE]

Instrument	Status
NADIR	Working
UV	Working
IRA	Working
IRBG	Working

TUBIN [[Norad 48900](#)]

Frequency	Status	Downlink type	Location
S-Band 1 (2263MHz)	Active	Dump	Berlin [GER]
S-Band 2 (2266MHz)	Active	Dump	Berlin [GER]



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X-Band (8392.5MHz)	Active	Dump	Berlin [GER] and Svalbard [NOR]
Instrument		Status	
Imager VIS		Working	
Imager IR		Working	
SOLID		Working	

AIM [[Norad 31304](#)]

Frequency	Status	Downlink type	Location
S-Band (2282.5MHz)	Inactive	Dump	Svalbard [NOR] and Wallops [US]
Instrument		Status	
CDE		Deactivated	
CIPS		Deactivated	
SOFIE		Deactivated	

Annotation: AIM was decommissioned and has decayed.

IRIS [[Norad 39197](#)]

Frequency	Status	Downlink type	Location
S-Band (2220.8MHz)	Active	Dump	Svalbard [NOR]
X-Band (8483MHz)	Active	Dump	Svalbard [NOR]
Instrument		Status	
UV telescope & Spectrograph		Working	

OPS-SAT [[Norad 44878](#)]

Frequency	Status	Downlink type	Location
S-Band (2229.5MHz)	Inactive	Dump	SMILE [Darmstadt, GER]
X-Band (8176MHz)	Inactive	Dump	SMILE [Darmstadt, GER]
Instrument		Status	
Camera		Deactivated	

Annotation: OPS-SAT has decayed.



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Frequency	Status	Downlink type	Location
RTD (2252.5MHz)	Active	DB	Global (Encrypted, but clear over the US and the Poles)

Instrument	Status
OLS	Working
SSMIS	Working

Annotation: Is encrypted, but transmits in the clear when over the US or the poles.

DMSP 18 [[Norad 35951](#)]

Frequency	Status	Downlink type	Location
RTD (2252.5MHz)	Active	DB	Global (Encrypted, but clear over the US and the Poles)

Instrument	Status
OLS	Working
SSMIS	Working

Annotation: Is encrypted, but transmits in the clear when over the US or the poles.

SWARM A [[Norad 39452](#)]

Frequency	Status	Downlink type	Location
S-Band (2249MHz)	Active	Dump	Kiruna [SWE]

Instrument	Status
ASM	Working
VFM	Working
EFI	Working

SWARM B [[Norad 39451](#)]

Frequency	Status	Downlink type	Location
S-Band (2270MHz)	Active	Dump	Kiruna [SWE]

Instrument	Status
ASM	Working
VFM	Working
EFI	Working



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Frequency	Status	Downlink type	Location
S-Band (2277MHz)	Active	Dump	Kiruna [SWE]

Instrument	Status
ASM	Working
VFM	Working
EFI	Working

HINODE [[Norad 29479](#)]

Frequency	Status	Downlink type	Location
S-Band (2256.22MHz)	Active	Dump	Svalbard [NOR]
X-Band (8460.81MHz)	Defective	Dump	Svalbard [NOR]?

Instrument	Status
FLT	Working
EIS	Working
SPP	Working
XRT	Working

Annotation : Due to the broken X-Band TX, all scientific data is transmitted on S-Band.

INTEGRAL [[Norad 27540](#)]

Frequency	Status	Downlink type	Location
S-Band (2215MHz)	Active	Dump	?

Instrument	Status
SPI	Working
IBIS	Working
JEM-X	Working
OMC	Working

SWOT [[Norad 54754](#)]

Frequency	Status	Downlink type	Location
S-Band (2282.4MHz)	Active	Dump	Svalbard [NOR], Inuvik [CAN], Hartebeesthoek [ZA], Kourou [FRG] and Kerguelen [FRA]
X-Band (8205MHz)	Active	Dump	Svalbard [NOR]



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LRA	Working
POSEIDON-3C	Working
KaRIN	Working
AMR-S	Working
DORIS-NG	Working

BLUEWALKER-3 [[Norad 53807](#)]

Frequency	Status	Downlink type	Location
VHF (437.5MHz)	Active	Dump	SSC Network
GSM (Unknown)	Unknown	DB	Global
S-Band (2245MHz)	Active	Dump	SSC Network

Instrument	Status
Engineering camera	Working

Annotation: BLUEWALKER-3 is now encrypted.

FORMOSAT-5 [[Norad 42920](#)]

Frequency	Status	Downlink type	Location
S-Band (2215MHz)	Active	Dump	Kiruna [SWE]
X-Band (Unknown)	Unknown	Dump	Kiruna [SWE]

Instrument	Status
AIP	Working
RSI	Working

Annotation : X-Band is likely encrypted.

BRITE-PL2 [[Norad 40119](#)]

Frequency	Status	Downlink type	Location
S-Band (2234.4MHz)	Active	Dump	Unknown [POL]

Instrument	Status
BSP	Unknown



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Frequency	Status	Downlink type	Location
S-Band (2247.5MHz)	Active	DB	Global
HRD (7812MHz)	Active	DB	Global
Ka-Band (26703.4MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
ATMS	Working
CERES	Working
CrIS	Working
OMPS	Working
VIIRS	Working

NOAA-21 (JPSS-2) [[Norad 54234](#)]

Frequency	Status	Downlink type	Location
S-Band (2247.5MHz)	Active	DB	Global
HRD (7812MHz)	Active	DB	Global
Ka-Band (26703.4MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
ATMS	Working
CrIS	Working
OMPS	Working
VIIRS	Working

SUOMI-NPP [[Norad 37849](#)]

Frequency	Status	Downlink type	Location
X-Band (7812MHz)	Active	DB	Global
X-Band (8212.5MHz)	Active	Dumps	Svalbard [NOR]
Ku-Band (15003.4MHz)	Active	Dumps	TDRS

Instrument	Status
ATMS	Working
CERES	Working
CrIS	Working
OMPS	Working



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VIIRS	Working
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SMOS [[Norad 36036](#)]**Frequency****Status**

S-Band (Unknown MHz)

Active

X-Band (8150MHz)

Active

Instrument**Status**

MIRAS

Working

AQUA [[Norad 27424](#)]**Frequency****Status****Downlink type****Location**

S-Band (2287.5 MHz)

Active

DB and Dump

Global, dumps to NEN or TDRS

X-Band (8160MHz)

Active

DB and Dump

Global, dumps to Svalbard [NOR]

Instrument**Status**

MODIS

Working

AMSU A1

Working

AMSU A2

Defective

AMSR-E

Defective

HSB

Defective

CERES 1

Working

CERES 2

Working (degraded)

AIRS

Working

TERRA [[Norad 25994](#)]**Frequency****Status****Downlink type****Location**

S-Band (2287.5 MHz)

Active

DB

Global, TDRS

X-Band (8212.5MHz)

Active

DB

Global

Ku-Band (~15000MHz)

Active

Dumps

TDRS

Instrument**Status**

ASTER

Working

CERES

Working

MISR

Working



Satellite List



MODIS	Working
MOPITT	Working

Annotation: On X-Band, only MODIS data.

AURA [[Norad 28376](#)]

Frequency	Status	Downlink type	Location
S-Band (2287.5 MHz)	Active	DB & Dump	Global, dumps to Svalbard [NOR] or TDRS
X-Band (8160MHz)	Active	DB & Dump	Global, dumps to Svalbard [NOR]

Instrument	Status
HIRDLS	Working
MLS	Working
OMI	Working
TES	Working

Annotation: OMI is the sole X-Band instrument.

CRYOSAT-2 [[Norad 36508](#)]

Frequency	Status	Downlink type	Location
S-Band (2201MHz)	Active	Dump	Kiruna [SWE]
X-Band (8100MHz)	Active	Dump	Kiruna [SWE]

Instrument	Status
SIRAL	Working

ARCTIKA-M 1 [[Norad 47719](#)]

Frequency	Status	Downlink type	Location
L-Band DCP (1703MHz)	Active	Transponder	Global
L-Band CGAK (1701MHz)	Inactive	DB	Global
RDAS (7865MHz)	Active	Dump	Moscow [RUS] and Unknown

Instrument	Status
GGAK-VE	Unknown
MSU-GS/VE	Working

Annotation : The CGAK downlink was active in the first few weeks, and has remained off since.



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Frequency	Status	Downlink type	Location
L-Band CGAK (????MHz)	Unknown	DB	Global
RDAS (????MHz)	Unknown	Dump	Moscow [RUS] and Unknown

Instrument	Status
GGAK-VE	Unknown
MSU-GS/VE	Unknown

Annotation: ARKTIKA-M2 launched successfully, but no emissions were detected so far.

GCOM-W1 [[Norad 38337](#)]

Frequency	Status	Downlink type	Location
S-Band (2220MHz)	Active	Dump	Kiruna [SWE]
X-Band (8245MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
AMSR-2	Working

GCOM-C1 [[Norad 43065](#)]

Frequency	Status	Downlink type	Location
S-Band (2220MHz)	Active	Dump	Kiruna [SWE]
X-Band (8105MHz)	Active	Dump	Svalbard [NOR]

Instrument	Status
SGLI	Working

CALIPSO [[Norad 29108](#)]

Frequency	Status	Downlink type	Location
S-Band (2268.5MHz)	Active	Dump	Wallops [US]
X-Band (8330MHz)	Unknown	Dump	Wallops [US]

Instrument	Status
IIR	Unknown
ILT	Unknown
WFC	Unknown



Satellite List



Frequency	Status	Downlink type	Location
S-Band (2285MHz)	Active	Dump	Kiruna [SWE]
X-Band (8150MHz)	Active	Dump	Spain

Instrument	Status
SAR	Working

CFOSAT [[Norad 43662](#)]

Frequency	Status	Downlink type	Location
S-Band (2262.5MHz)	Active	DB	Global
X-Band (8304MHz)	Active	Dump	Kiruna [KIR], Unknown [CHN]

Instrument	Status
SCAT	Working
SWIM	Working

PRISMA [[Norad 44072](#)]

Frequency	Status	Downlink type	Location
S-Band (2283.5MHz)	Active	Dump	Italy
X-Band 1 (8120MHz)	Active	Dump	Italy
X-Band 2 (8250MHz)	Active	Dump	Italy

Instrument	Status
HYC	Working
Pan camera	Working

Annotation: PRISMA is encrypted.

AEOLUS [[Norad 43600](#)]

Frequency	Status	Downlink type	Location
S-Band (2205MHz)	Inactive	Dump	Kiruna [SWE]
X-Band (8040MHz)	Inactive	Dump	Svalbard [NOR]

Instrument	Status
ALADIN	Deactivated

Annotation : AEOLUS has been decomissioned and is decayed.



Satellite List



Frequency	Status	Downlink type	Location
X-Band (8443.52MHz)	Active	DB and Dump	Global and dumps to DSN

Instrument	Status
SECCHI	Working
IMPACT	Working
PLASTIC	Unknown
SWAVES	Unknown

LANDSAT 8/9 [Norad 39084/49260]

Frequency	Status	Downlink type	Location
S-Band (2282.3MHz)	Active	Dump	Kiruna [SWE], NEN
X-Band (8200.5MHz)	Active	DB and Dump	Global and dumps to a few stations, Svalbard [NOR]

Instrument	Status
OLI	Working
TIRS	Working

SENTINEL 6 [[Norad 46984](#)]

Frequency	Status	Downlink type	Location
S-Band (2256.75MHz)	Active	Dump	Kiruna [SWE]
X-Band (8090MHz)	Active	Dump	Svalbard [NOR], Kiruna [SWE]

Instrument	Status
POSEIDON 4	Working
AMR-C	Working
HRMR	Working
REM	Working

Geostationary satellites

ELEKTRO-L2 [[Norad 41105](#)]

Frequency	Status
xRIT (1691MHz)	Inactive
L-Band CGAK (1693MHz)	Active
RDAS (7500MHz)	Active



Satellite List



MSU-GS	Working (degraded)
GGAK-E	Working
SKIF-6	Working
SKL-E	Working
ISP-2M	Working

Annotation: RDAS is LHCP. The xRIT payload has failed.

ELEKTRO-L3 [[Norad 44903](#)]

Frequency	Status
xRIT (1691MHz)	Active
L-Band CGAK (1693MHz)	Active
RDAS (7500 MHz)	Active

Instrument	Status
MSU-GS	Working
GGAK-E	Working
SKIF-6	Working
SKL-E	Working
ISP-2M	Working

Annotation: HRIT transmissions at 00:12, 03:12, 06:12, 09:12, 12:12, 15:12, 18:12 and 21:12 UTC. LRIT same hours at XX:42.

Annotation: RDAS is RHCP.

ELEKTRO-L4 [[Norad 55506](#)]

Frequency	Status
xRIT (1691MHz)	Active
L-Band CGAK (1693MHz)	Active
RDAS (7500 MHz)	Active

Instrument	Status
MSU-GS	Working
GGAK-E	Working
SKIF-6	Working
SKL-E	Working
ISP-2M	Working



Satellite List



Frequency	Status
GVAR (1685.7MHz)	Inactive
SD (1676MHz)	Inactive
CDA (1694MHz)	Inactive
LRIT (1691MHz)	Inactive
MDL (1681.418MHz)	Inactive

Instrument	Status
SXI	Defective
SEM	Deactivated
Sounder	Defective
Imager	Deactivated (degraded)
S&R	Defective

Annotation: The scan mechanism is failing. EWS-G1 was deactivated and replaced with EWS-G2 (GOES-15). It is currently drifting west.

GOES-14 [[Norad 35491](#)]

Frequency	Status
GVAR (1685.7MHz)	Inactive
SD (1676MHz)	Inactive
CDA (1694MHz)	Active
LRIT (1691MHz)	Active
MDL (1681.418MHz)	Inactive

Instrument	Status
SXI	Working, Deactivated
SEM	Working, Deactivated
Sounder	Working, Deactivated
Imager	Working, Deactivated
S&R	Working, Deactivated

Annotation: Even though the LRIT transponder is active, it appears that no data is transmitted at the moment.

Update 03/02/2023: G14 has reached its new position and is now stable at 108.2°W.

Annotation: G14 is rarely active, booted up for a yearly check-up or support to GOES-16/17/18.



Satellite List



Frequency	Status
GVAR (1685.7MHz)	Active
SD (1676MHz)	Inactive
CDA (1694MHz)	Active
LRIT (1691MHz)	Active
MDL (1681.418MHz)	Inactive

Instrument	Status
SXI	Working
SEM	Working
Sounder	Working
Imager	Working
S&R	Working

Annotation : GOES-15 has replaced GOES-13 and is now EWS-G2.

GOES-16 [[Norad 41866](#)]

Frequency	Status
HRIT (1694.1MHz)	Active
GRB (1686.6MHz)	Active
CDA (1693MHz)	Active
X-Band (8220MHz)	Active

Instrument	Status
ABI	Working
SUVI	Working
EXIS	Working
GLM	Working
SEISS	Working
MAG	Working
DCS	Working

GOES-17 [[Norad 43226](#)]

Frequency	Status
HRIT (1694.1MHz)	Inactive
GRB (1686.6MHz)	Inactive



Satellite List



CDA (1693MHz)	Active
X-Band (8220MHz)	Inactive
Instrument	Status
ABI	Working (degraded), Deactivated
SUVI	Working, Deactivated
EXIS	Working, Deactivated
GLM	Working, Deactivated
SEISS	Working, Deactivated
MAG	Working, Deactivated
DCS	Working, Deactivated

Annotation: Due to a problem with the cooling system, GOES-17 was replaced with GOES-18 and is now a backup. That is why G17 is being moved to in-orbit storage at 104.7°W where GRB and HRIT will no longer be available.

GOES-18 [[Norad 51850](#)]

Frequency	Status
HRIT (1694.1MHz)	Active
GRB (1686.6MHz)	Active
CDA (1693MHz)	Active
X-Band (8220MHz)	Active
Instrument	Status
ABI	Working
SUVI	Working
EXIS	Working
GLM	Working
SEISS	Working
MAG	Working
DCS	Working

GK-2A [[Norad 43823](#)]

Frequency	Status
LRIT (1692.14MHz)	Active
HRIT (1695.4MHz)	Active
CDAS (Unknown MHz)	Unknown



Satellite List



Frequency	Status
S-VISSR (1687.5MHz)	Active

Instrument	Status
VISSR-II	Working

FENGYUN-2H [[Norad 43491](#)]

Frequency	Status
S-VISSR (1687.5MHz)	Active

Instrument	Status
VISSR-II	Working

FENGYUN-4A [[Norad 41882](#)]

Frequency	Status
LRIT (1697MHz)	Active
HRIT (1679MHz)	Active

Instrument	Status
AGRI	Working
GIIRS	Working
LMI	Working
SEP	Working

FENGYUN-4B [[Norad 48808](#)]

Frequency	Status
LRIT (1697MHz)	Active
HRIT (1679MHz)	Active

Instrument	Status
AGRI	Working
GIIRS	Working
GHI	Working
SEP	Working



Satellite List

