SATELLITE MISSIONS FOR ATMOSPHERIC COMPOSITION (1978-2025)

SOUNDER	MISSION
TOMS	Nimbus 7
	METEOR 3
	ADEOS 1
	Earth Probe
SBUV	Nimbus 7
SBUV/2, SSU/AMSU, TOVS	NOAA-9
	NOAA-11
	NOAA-14
	NOAA-16
	NOAA-17
	NOAA-N/18
AMSU-A, HIRS/4	NOAA-N1/19
SSBUV	STS
SOLSE/LORE	STS 87 & 107
OMPS, CrIS, ATMS	Suomi-NPP
	JPSS J-1
	JPSS J-2
SBUS, TOU, IRAS, MWTS, MWHS, MERSI	Feng-Yun-3A
	Feng-Yun-3B
	Feng-Yun-3x
SAM II	Nimbus 7
SAGE I	AEM-B
SAGE II	ERBS
SAGE III	Meteor-3M
SAGE III	ISS
LITE	STS-64
CALIPSO	CALIPSO
LIMS	Nimbus 7
SAMS	
UV / VIS / IR	SME
GRILLE	STS 9/45
ATMOS 1/2/3/4	STS 17/45/56/66
CLAES	UARS
HALOE	
ISAMS	
MLS	
MAHRSI	STS 66 & 85
MOPITT	EOS Terra
OCO-2	OCO-2
OCO-3	ISS
ASCENDS	SWOT
SABER	TIMED
MLS	EOS Aura
HIRDLS	
OMI	
TES	
SOFIE	AIM
POAM II	SPOT 3
POAM III	SPOT 4
BUV	EXOS-C (Ohzora)
LAS	
ILAS	ADEOS (Midori)
IMG	
ILAS-II	ADEOS-II
TANSO	GOSAT
TANSO	GOSAT F-On
SMILES	Kibo JEM/ISS
ORA	EURECA
CRISTA 1/2	STS 66 & 85
GOME	ERS-2
SCIAMACHY	Envisat
GOMOS	
MIPAS	
GOME-2, IASI, AMSU-A, HIRS/4 GRAS, MHS	MetOp-A
	MetOp-B
	MetOp-C
TropOMI	Sentinel-5P
Sentinel-5	Sentinel-5
OZONE/ISTOK	MIR/Priroda
SMR	Odin
OSIRIS	
ACE FTS	SCISAT-1
ACE MAESTRO	
IR FTS	CASS
IR FTS + UV/VIS/NIR	SOAR
IR FTS + UV/VIS/NIR	GEMS / GOCI-2
IR FTS + UV/VIS/NIR	GMAP-ASIA
UV / VIS / NIR	PCW
UV / VIS / NIR	Sentinel-4
IR FTS + UV/VIS/NIR	Geo-CAPE

Low Earth Orbit (LEO)

GEO

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Details via http://www.ndacc.org ⇨ Satellite WG

Sounding strategy: nadir, limb, nadir/limb, Sun/Moon occultation, stellar occultation, multi-target

Spectral range: UV, IR, MW, UV/VIS/NIR, VIS/IR, multi-sensor