

Eos Baseline Planning Scenario

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Platform Altitude/Equator Crossing Time Launch Date	NASA Polar Platform -1 NPOP-1 705 km 1:30 pm 4th quarter 1996	NOAA Free-Flyer 824 km 1:30 pm 1st quarter 1998	Attached Payloads 400 km 28.5° 1st quarter 1996	NASA Polar Platform-2 NPOP-2 705 km 1:30 pm 4th quarter 1998
Research Instruments	MODIS-N ^a MODIS-T ^a HIRIS ^a IIR ^b AMSR ^b MIMR ^c /AMSR-2 ^f Special Imager ^f AIRS ^a AMSU ^a IR-RAD ^f Ozone Sensor ^f CR ^f ERBI ^f ALT-1 ^a Scatterometer ^f GLRS ^a MPD ^f SEM ^a PPS-PODS ^f		ERBI ^f MODIS-N ^a MODIS-T ^a Rain Radar ^f MIMR ^c /AMSR-2 ^f SUSIM ^f ACR ^f PPS-PODS ^f Scatterometer ^f Ozone Sensor ^f Special Imager ^f	SAR ^a NCIS ^f Sub-MM ^f MLS ^f F/P-INT ^f MPD ^f MAG ^f SEM ^a PEM ^f PPS-PODS ^f
Operational Instruments		AMRIR ^d AMSU ^d GOMR ^d SEM ^d		
Other	Communications Package	ARGOS ^d Search & Rescue ^d CCDH		Communications Package

- a NASA Research Facility Instrument
- b Japanese Research Facility Instrument
- c ESA Research Facility Instrument
- d Operational Support Instrument
- e Operational Support Facility
- f Potential PI instrument concept
- g Future Japanese instrument concept

Eos Baseline Planning Scenario (cont.)

Platform Altitude/Equator Crossing Time Launch Date	ESA Polar Platform-1 EPOP-1/A1 824 km 10:00-10:30 am 1997	ESA Polar Platform-2 EPOP-2/B1 705 km 10:00-10:30 am 2000	Japanese Polar Platform JPOP 800 km
Research Instruments	Radiometer ^f Altimeter (incl. precise positioning system) ^c AMI-2 ^c MIMR ^c /AMIR ^f or ATLID ^c Chemistry ^f or MERIS ^c	Very High Resolution Stereo Imager ^f SAR-C ^c HRIS ^c ATLID ^c or MIMR ^c /AMIR ^f Chemistry ^f	OCTS ^g AVNIR ^g LAWS ^a AMSR ^g (SAR-L) ^g SAR-X ^g
a NASA Research Facility Instrument b Japanese Research Facility Instrument c ESA Research Facility Instrument d Operational Support Instrument e Operational Support Facility f Potential PI instrument concept g Future Japanese instrument concept			
Operational Instruments	AMSU ^d AMRIR ^d SEM ^d		
Other	ARGOS ^d Search & Rescue ^d Communications		

Eos Baseline Planning Scenario

Platform Altitude/Equator	NASA Polar Platform -1 NPOP-1 705 km 1:30 pm 4th quarter 1996	NOAA Free-Flyer 824 km 1:30 pm 1st quarter 1996	Attached Payloads 400 km 28.5° 1st quarter 1996	NASA Polar Platform-2 NPOP-2 705 km 1:30 pm 4th quarter 1996	ESA Polar Platform-1 EPOP-1/A1 824 km 10:00-10:30 am 1997	ESA Polar Platform-2 EPOP-2/B1 705 km 10:00-10:30 am 2000	Japanese Polar Platform JPOP 800 km
Research Instruments	MODIS-N ^a MODIS-T ^a HIRIS ^a ITR ^b AMSR ^b MIMR ^c /AMSR-2 ^f Special Imager ^f AIRS ^a AMSU ^a IR-RAD ^f Ozone Sensor ^f CR ^f EREB ^f ALT-1 ^a Scatterometer ^f GLRS ^a MPD ^f SEM ^a PPS-PODS ^f		EREB ^f MODIS-N ^a MODIS-T ^a Rain Radar ^f MIMR ^c /AMSR-2 ^f SUSIM ^f ACR ^f PPS-PODS ^f Scatterometer ^f Ozone Sensor ^f Special Imager ^f	SAR ^a NCIS ^f Sub-MM ^f MLS ^f F/P-INT ^f MPD ^f MAG ^f SEM ^a PEM ^f PPS-PODS ^f	Radiometer ^f Altimeter (incl. precise positioning system) ^c AMI-2 ^c MIMR ^c /AMIR ^f or ATLID ^c Chemistry ^f or MERIS ^c	Very High Resolution Stereo Imager ^f SAR-C ^c HRIS ^c ATLID ^c or MIMR ^c /AMIR ^f Chemistry ^f	OCTS ^g AVNIR ^g LAWS ^a AMSR ^g (SAR-L) ^g SAR-X ^g
Operational Instruments		AMRIR ^d AMSU ^d GOMR ^d SEM ^d			AMSU ^d AMRIR ^d SEM ^d		
Other	Communications Package	ARGOS ^d Search & Rescue ^d CCDH		Communications Package	ARGOS ^d Search & Rescue ^d Communications		

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| <p>a NASA Research Facility Instrument</p> <p>b Japanese Research Facility Instrument</p> <p>c ESA Research Facility Instrument</p> <p>d Operational Support Instrument</p> <p>e Operational Support Facility</p> <p>f Potential PI instrument concept</p> <p>g Future Japanese instrument concept</p> |
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ACRONYMS BASELINE PLANNING SCENARIO

JANUARY 1989

ACR	ACTIVE CAVITY RADIOMETER	LAWS	LASER ATMOSPHERIC WIND SOUNDER
AIRS	ATMOSPHERIC INFRARED SOUNDER	MAG	MAGNETOMETER
ALT	RADAR ALTIMETER (1-NASA, 2-ESA)	MERIS	MEDIUM RESOLUTION IMAGING SPECTROMETER
AMI-2	ADVANCED MICROWAVE INSTRUMENT	MIMR	MULTIFREQUENCY PASSIVE MICROWAVE RADIOMETER
AMIR	ADVANCED MICROWAVE IMAGING RADAR	MLS	MICROWAVE LIMB SOUNDER
AMRIR	ADVANCED MEDIUM RESOLUTION IMAGING RADIOMETER	MODIS-N	MODERATE RESOLUTION IMAGING SPECTROMETER - NADIR
AMSR	ADVANCED MICROWAVE SCANNING RADIOMETER (JAPAN)	MODIS-T	MODERATE RESOLUTION IMAGING SPECTROMETER - TILT
AMSR-2	ADVANCED MICROWAVE SCANNING RADIOMETER (NASA)	MPD	MAGNETOSPHERIC PARTICLE DETECTOR
AMSU	ADVANCED MICROWAVE SOUNDING UNIT	NCIS	NADIR CRYOGENIC INTERFEROMETER SPECTROMETER
ARGOS 2	DATA COLLECTION SYSTEM (FRENCH)	OCTS	OCEAN COLOR & TEMP. SCANNER
ATLID	ATMOSPHERIC LIDAR	OS	OZONE SENSOR
AVNIR	ADVANCED VISIBLE & NEAR IR RADIOMETER	PEM	PARTICLE ENVIRONMENT MONITOR
CC&DH	COMMAND, COMMUNICATIONS, & DATA AND HANDLING	PPS-PODS	PRECISE POSITION SYSTEM-PRECISE ORBIT DETERMINATION SYSTEM
CR	CORRELATION RADIOMETER	S & R	SEARCH AND RESCUE
ERBI	EARTH RADIATION BUDGET INSTRUMENT	SAR	SYNTHETIC APERTURE RADAR (C, L, & C-BANDS)
F/P-INT	FABRY PEROT INTERFEROMETER	SCATT	SCATTEROMETER
GLRS	GEODYNAMICS LASER RANGING SYSTEM	SEM	SPACE ENVIRONMENT MONITOR
GOMR	GLOBAL OZONE MONITORING RADIOMETER	SI	SPECIAL IMAGER
HIRIS	HIGH RESOLUTION IMAGING SPECTROMETER	SUB-MM	SUBMILLIMETER SPECTROMETER
HRIS	HIGH RESOLUTION IMAGING SPECTROMETER (ESA)	SUSIM	SOLAR UV SPECTRAL IRRADIANCE MONITOR
IR-RAD	IR-RADIOMETER		
ITIR	INTERMEDIATE THERMAL INFRARED		
LAWS	LASER ATMOSPHERIC WIND SOUNDER		