Coastal Zone Color Scanner (CZCS)

Launch Date: October 24, 1978.

Orbital Elements:
- Orbit: Circular, near polar.
- Altitude: 620 km (386 miles) from February 25, 1980, until data termination August 26, 1983.
- Inclination: 99.3°.
- Period: 104 minutes.
- Cycle: 6 days.

Sensor:
- Orbital Environment: Sun-synchronous, near polar.
- Absolute Orbit: 540 km (335 miles) from February 25, 1980, until data termination August 26, 1983.
- Inclination: 81°.
- Coverage: 82% to 87%.
- Period: 102 minutes, crossing equator at 8:00 hours, local time.
- Cycle: 16 days.

Heat Capacity Mapping Mission (HCMM)

Launch Date: April 26, 1978.

Orbital Elements:
- Orbit: Circular, near polar.
- Altitude: 620 km (386 miles) from February 25, 1980, until data termination August 26, 1983.
- Inclination: 99.3°.
- Coverage: Day/night passes over given area within 12 hours of nominal local time and repeating within 36 hours of nominal local time. Real time only of the United States including Alaska, northern Canada, northern Mexico, Europe, and western Australia.
- Cycle: 16 days.

Sensor:
- Heat Capacity Mapping Radiometer (HCMM)

Landsat 1, 2, 3, and 4

Incorporally called Earth Resources Technology Satellite (ERTS)

Launch Dates:

Sensors:
- Multispectral Scanner (MSS)

Return Beam Vidicon Camera (RBV)

Landsat 4:
- Launch date: July 13, 1982.
- Orbit: Circular, near polar.
- Altitude: 705 km.
- Inclination: 96.5°.
- Coverage: 81% to 81.5°.
- Period: 99 minutes, crossing equator at 8:30 a.m., local time.
- Cycle: 16 days.

Sensors:
- Multispectral Scanner (MSS)

Seasat

Launch Date: June 29, 1978.

Orbital Elements:
- Orbit: Nearly circular.
- Altitude: 791 km ± 50 km.
- Inclination: 109° nominal, 104°-108° range. Range: 100.75 75 minutes.
- Orbit per day: 14.3.
- Cycle: 152 days.

Sensor:
- Synthetic Aperture Radar (SAR) (Data limited to 60 minute direct readout only)

Shuttle Imaging Radar (SIR-A)

Launch Date: November 12, 1981, OSAT-1 (30-hour mission).

Orbital Elements:
- Altitude: 405 km.
- Inclination: 70°.
- Coverage: 80% to 95%.

Sensor:
- Synthetic Aperture Radar (SAR)