| Instrument | Picture | Launched | Terminated | Duration | Notes |
|------------|---------|----------------------|--------------------------------|---------------------------------------|--|
| Landsat 1 | | July 23, 1972 | January 6, 1978 | 2 years, 11 months and 15 days | Originally named Earth Resources Technology Satellite 1. |
| Landsat 2 | | January 22, 1975 | February 25, 1982 | 2 years, 10 months and 17 days | Nearly identical copy of Landsat 1 |
| Landsat 3 | | March 5, 1978 | March 31, 1983 | 5 years and 26 days | Nearly identical copy of Landsat 1 and Landsat 2 |
| Landsat 4 | | July 16, 1982 | December 14, 1993 | 11 years, 4 months and 28 days | First of the TM sensors with 30 m spatial resolution. |
| Landsat 5 | | March 1, 1984 | June 5, 2013 ^[7] | 29 years, 3 months and 4 days | Nearly identical copy of Landsat 4. Longest Earth- observing satellite mission in history. |
| Landsat 6 | | October 5, 1993 | October 5, 1993 | 0 days | Failed to reach orbit. |
| Landsat 7 | | April 15, 1999 | Still active | 16 years, 11 months and 27 days | Operating with scan line corrector disabled since May 2003. ^[8] |
| Landsat 8 | | February 11, 2013 | Still active | 3 years and 2 months | Originally named Landsat Data Continuity Mission from launch until May 30, 2013. |