

REGISTER OF SWEDISH OBJECTS LAUNCHED INTO OUTER SPACE

NAME Mass	REGI- STRATION NUMBER	LAUNCH DATE (AND SITE)	NODAL PERIOD	INCLINATION DEGREE	APOGEE KM	PERIGEE KM	ENDED FUNCTIONING/ END OF LIFE MEASURES	GENERAL MISSION
Viking 286 kg	1986-19B	February 22, 1986 (Kourou, French Guyana)	262.2 minutes	98.78	13 530	814.4	May 17, 1987	Investigation of plasma physics and the auroral phenomena
Tele-X 1050 kg	1989-27A	April 2, 1989 (Kourou, French Guyana)	24 hours	0	35 790 (Geostationary, 5°E)		Jan 16, 1998/ "Graveyard orbit"	Telecommunications, direct TV broadcasting and data communication
Sirius 1 ¹ 660 kg	1989-67A	August 27, 1989 (Florida, USA)	24 hours	0.8	35 790 (Geostationary, 13°E)		End May 2003 "Graveyard orbit"	High power TV broadcasting
Freja 256 kg	1992-64A	October 6, 1992 (Jiuquan, PRC)	108.9 minutes	63	1 756	601	Oct 14, 1996	High-resolution measurements in the upper ionosphere and lower magnetosphere
Astrid 27 kg	1995-2B	January 24, 1995 (Plesetsk, Russia)	105.1 minutes	82.9	1 026	968	Sept 27, 1995	Investigation of near-space plasma with emphasis on neutral particle phenomena
Sirius 2 ² 1240 kg	1997-71A	November 12, 1997 (Kourou, French Guyana)	24 hours	0	35 790 (Geostationary, 4.8 °E)		January 16, 2009	High power TV broadcasting and data communication
Sirius 3 806 kg	1998-56B	October 5, 1998 (Kourou, French Guyana)	24 hours	0	35 790 (Geostationary, 5°E)			Broadcasting satellite for TV, radio and data with 15 high-EIRP transponders
Astrid 2 30 kg	1998-72B	December 10, 1998 (Plesetsk, Russia)	105.1 minutes	83	1 014	968	July 24, 1999	High-resolution measurements of electrical and magnetic fields in the auroral region
Munin 6 kg	2000-75C	November 21, 2000 (Vandenberg Air Force Base, USA)	110.5 minutes	95.4	1 800	698	February 12, 2001	Nanosatellite for auroral research built by the Swedish Institute of Space Physics in Kiruna
Odin 250 kg	2001-07A	February 20, 2001 (Svobodny, Russia)	97.09 minutes	97.83	631	605		Scientific satellite for astronomy and aeronomy
Sirius 4 4600 kg	2007-057A	November 18, 2007 (Baikonur, Kazakstan)	1.436 minutes	maximum: 0.10°	35 790 (Geostationary, 4,8°E)			High power television broadcasting and data communication satellite
Mango 150 kg	2010-028B	June 15, 2010 (Yasny, Russia)	100,1	98,28	794,3	730,0		Technical demonstration of formation flying and rendezvous and space motor technology
Tango 45 kg	2010-028F	June 15, 2010 (Yasny, Russia)	100,1	98,28	794,3	730,0		Technical demonstration of formation flying and rendezvous and space motor technology

¹ Bought in orbit 1996 and later renamed Sirius 1

² In 2008 transferred to SES ASTRA SA, Luxemburg, renamed Astra 5A and moved to 31,5° E.