

SOVIET MILITARY SATELLITE SYSTEMS

FUNCTION	SYSTEM NAME	INITIAL YEAR	1980-1983 LAUNCHES	SYSTEM COMPLEMENT	ORBITAL REGIME	INCLINATION (deg)	PERIOD (min)	PERIGEE ALTITUDE (Km)	APOGEE ALTITUDE (Km)	MISSION LIFETIME
COMMUNICATIONS	COMM 1	1970	10	3	LOW EARTH ORBIT	74.0	100.8	788.1	826.0	17 MONTHS
	COMM 2	1970	80	24	LOW EARTH ORBIT	74.0	115.4	1451.3	1524.0	5 MONTHS
	MOLNIYA-1	1965	14	8	HIGHLY ELLIPTIC	62.8	721.1	539.4	40003.8	2 YEARS
	MOLNIYA-3	1974	11*	4	HIGHLY ELLIPTIC	62.8	736.0	547.9	40738.7	2 YEARS
	RADUGA	1975	8	2+2	GEOSYNCHRONOUS	0.7	1464.5	36346.6	36346.6	2 YEARS
	GORIZONT	1978	5	6+2	GEOSYNCHRONOUS	1.0	1458.2	36217.0	36217.0	2-3 YEARS
	COSMOS-1366	UNK 'M	1	UNK 'M	GEOSYNCHRONOUS	1.5	1437.0	35820.0	35820.0	UNK 'M
EARLY WARNING	EW-1	1972	20**	9	HIGHLY ELLIPTIC	62.8	712.7	625.7	39877.5	20 MONTHS
ELECTRONIC INTELLIGENCE	ELINT 2	1970	13	6	LOW EARTH ORBIT	81.2	97.5	629.5	672.9	20 MONTHS
	##	##	3	(1)	LOW EARTH ORBIT	74.0	94.9	493.0	541.0	UNK 'M
	##	##	2	(2)	LOW EARTH ORBIT	83.0	109.1	407.0	1982.0	UNK 'M
	##	##	3	(3)	LOW EARTH ORBIT	82.5	97.8	642.0	672.0	UNK 'M
METEOROLOGY	METEOR 2	1975	4	3	LOW EARTH ORBIT	81.3	102.0	838.0	903.8	UNK 'M
				1#	(2-3)	LOW EARTH ORBIT	82.5	104.2	954.0	976.0
NAVIGATION	NAV 2	1974	27	6	LOW EARTH ORBIT	83.0	104.9	976.4	1023.7	16 MONTHS
	NAV 3	1976	##	4	LOW EARTH ORBIT	##	##	##	##	3 YEARS
	BLOWASS	1982	9	9-12	SEMI-SYNCHRONOUS	64.6	674.3	19118.0	19118.0	UNK 'M
OCEAN SURVEILLANCE	EOSAT 1	1979	9	2	LOW EARTH ORBIT	65.0	93.3	432.7	456.6	6 MONTHS
	##	##	5	(2)	LOW EARTH ORBIT	82.5	97.8	647.6	678.2	UNK 'M
	RORSAT	1967	9	2	LOW EARTH ORBIT	65.0	90.0	276.0	296.3	3-4 MONTHS
PHOTOGRAPHIC RECONNAISSANCE	VARIOUS	1962-1975	##	4x(1)	LOW EARTH ORBIT	##	##	##	##	2-6 WEEKS
	##	##	1		LOW EARTH ORBIT	50.6	90.0	209.0	377.0	
	##	##	15		LOW EARTH ORBIT	64.9	89.5	188.0	341.0	
	##	##	17		LOW EARTH ORBIT	67.2	89.7	181.2	371.9	
	##	##	31		LOW EARTH ORBIT	70.4	90.0	208.8	373.1	
	##	##	43		LOW EARTH ORBIT	72.9	90.0	207.5	375.1	
SCIENTIFIC	GEODETIC	1968	2	(1)	LOW EARTH ORBIT	82.6	116.0	1495.0	1526.5	UNK 'M
	##	##	1	(1)	LOW EARTH ORBIT	73.6	116.1	1497.0	1537.0	UNK 'M
	(IONOSPHERE)	UNK 'M	2	(1)	LOW EARTH ORBIT	83.0	106.2	353.5	1767.0	UNK 'M

* INCLUDES 1 UNSPECIFIED MOLNIYA SATELLITE FAILURE.
 ** INCLUDES 2 EARLY WARNING SATELLITE FAILURES.
 ## DISTINCTION AMONGST SATELLITE SYSTEM CLASSIFICATIONS DIFFICULT WITH INFORMATION AVAILABLE. CLASSIFICATION SHOWN IS BASED ON ORBIT PARAMETERS.
 # 1ST METEOR 2 SATELLITE IN THIS ORBIT REGIME.
 () INDICATES THAT THE DATA IS UNCERTAIN.
 # 12 ANTISATELLITE RELATED LAUNCHES & 8 MINOR MILITARY (PRESUMABLY RADAR CALIBRATION) LAUNCHES WERE LOGGED BETWEEN 1960-1983 AD.

TABLE 2-4 SOVIET MILITARY SATELLITE SYSTEMS