AMERICAN 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	DSCS II	1971	1	4+2	GEOSYNCHRONOUS	2.0	1432.2	35644.0	35776.0	5 YEARS
	DSCS III	1982	1	4+2	GEOSYNCHRONOUS	2.4	1432.2	35644.0	35776.0	10 YEARS
	SDS	1971	3	2	HIGHLY ELLIPTIC	63.4	708.1	375.0	39063.5	2 YEARS
	FLTSATCOM	1978	3	4+1	GEOSYNCHRONOUS	2.6	1433.6	35185.0	39000.0	5 YEARS
	NATO	1970	0	3	GEOSYNCHRONOUS	2.8	1436.0	35784.0	35784.0	7 YEARS
	MARISAT	1976	0	3	GEOSYNCHRONOUS	2.5	1436.0	35784.0	35784.0	10 YEARS
EARLY WARNING	DSP	1970	2	3	GEOSYNCHRONOUS	1.9	1430.5	35637.0	35717.0	2-5 YEARS
ELECTRONIC INTELLIGENCE	FERRET	1980	3	1	LOW EARTH ORBIT	96.7	111.8	1304.5	1308.0	UNK'N
	RHYOLITE	1973	0	1	GEOSYNCHRONOUS	0.2	1436.0	35784.0	35784.0	3-6 YEARS
METEOROLOGY	DMSP	1971	2	2	LOW EARTH ORBIT	98.7	101.3	812.5	827.0	3 YEARS
NAVIGATION	TRANSIT	1964	0	5	LOW EARTH ORBIT	90.0	105.0	1075.0	1100.0	3 YEARS
	NAVSTAR	1978	3	18+3	SEMI-SYNCHRONOUS	62.8	713.8	19879.3	20279.3	5-7 YEARS
	NOVA	1981	1	*	LOW EARTH ORBIT	90.7	109.0	1170.0	1187.0	6 YEARS
OCEAN SURVEILLANCE	WHITECLOUD	1976	9	12	LOW EARTH ORBIT	63.4	107.3	1055.1	1159.8	>3 YEARS
PHOTOGRAPHIC RECONNAISSANCE	KH-8	UNK'N	0	1	LOW EARTH ORBIT	96.5	(86.2)	52.0	119.0	<6 WEEKS
	KH-9	UNK'N	2	1	LOW EARTH ORBIT	96.9	89.6	136.0	367.5	6 WEEKS
	BIG BIRD	1971	4	1	LOW EARTH ORBIT	96.5	88.6	154.6	268.8	3-5 MONTHS
	KH-11	1976	3	2	LOW EARTH ORBIT	97.0	92.1	253.7	496.3	>2 YEARS
SCIENTIFIC	MILAT	1983	1	1	LOW EARTH ORBIT	82.0	100.9	767.0	834.0	UNK'N

* NOVA SATELLITES ARE BEING INCORPORATED IN THE TRANSIT SYSTEM.
** DURING 1980-1983 ONE SPACECRAFT LAUNCHED FROM ETR COULD NOT BE IDENTIFIED.
( ) INDICATES THAT THE DATA IS UNCERTAIN.

TABLE 2-3 AMERICAN MILITARY SATELLITE SYSTEMS