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(ITU) للاتصالات الدولي الاتحاد في والمحفوظات المكتبة قسم أجراه الضوئي بالمسح تصوير نتاج (PDF) الإلكترونية النسخة هذه والمحفوظات المكتبة قسم في المتوفرة الوثائق ضمن أصلية ورقية وثيقة من نقلًا.

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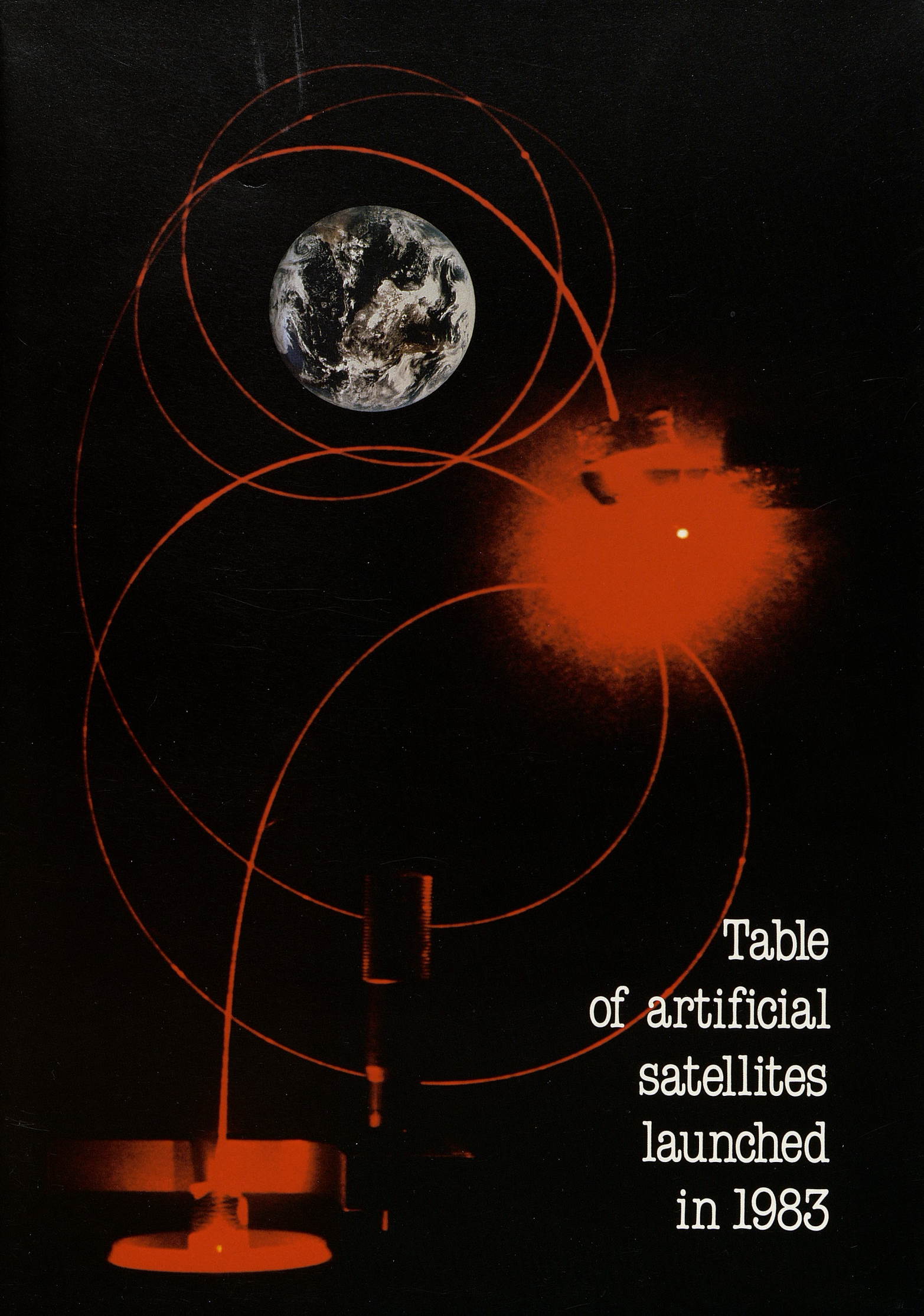


Table
of artificial
satellites
launched
in 1983

This list includes all artificial satellites launched in 1983. It was prepared from information provided by telecommunication administrations of ITU Member countries, the Committee on Space Research (COSPAR), national space research organizations, the International Frequency Registration Board (IFRB) of the ITU, and from details published in the specialized press. The data concerning the orbit parameters are the initial orbital data. Fragments or stages of rockets left over from launching operations and placed in orbit with the various spacecraft have not been included.



TABLE OF GEOSTATIONARY SPACE STATIONS BY ORBITAL POSITIONS

The following table includes both satellites already in orbit and those planned for future launching into the geostationary satellite orbit. This table is based on, and limited to, information supplied to the International Frequency Registration Board (IFRB) by ITU Member administrations under the provisions of the

Radio Regulations paragraphs RR1042, RR1060 and RR1488 to RR1491. The designations of the satellites are those officially notified and may not always correspond to the name in general use. (Situation on 31 December 1983.)

Orbital position	Space station		Frequency bands GHz								
			<1	<3	4	6	7	11	12	14	>15
171 W	USA	TDRS WEST		3						14	15
170 W	URS	GALS-4					7				
170 W *	URS	LOUTCH P4						11		14	
170 W	URS	STATSIONAR-10			4	6					
170 W *	URS	VOLNA-7	1	3							
168 W	URS	POTOK-3			4						
160 W *	URS	ESDRN						11		14	15
149 W	USA	ATS-1	1		4	6					
145 W #	MEX	ILHUICAHUA 4			4	6		11	12	14	
143 W #	USA	US SATCOM 2-R			4	6					
141 W #	MEX	ILHUICAHUA 3			4	6		11	12	14	
139 W #	USA	US SATCOM 1-R			4	6					
136 W	USA	US SATCOM-1			4	6					
135 W	USA	GOES WEST	1	3							
135 W	USA	USGCSS 2E PAC					7				
135 W	USA	USGCSS 3E PAC					7				
131 W #	USA	US SATCOM 3-R			4	6					
128 W	USA	COMSTAR D1			4	6					
127 W #	USA	COMSTAR D4			4	6					
123.5 W	USA	WESTAR-2			4	6					
123 W #	USA	WESTAR-5			4	6					
119 W #	USA	SPACENET 1			4	6			12	14	
119 W	USA	US SATCOM-2			4	6					
117.5 W	CAN	ANIK-C3						11		14	
116.5 W #	MEX	ILHUICAHUA 2			4	6		11	12	14	
114 W	CAN	ANIK-A3			4	6					
114 W #	CAN	TELESAT D2			4	6					
113.5 W #	MEX	ILHUICAHUA 1			4	6		11	12	14	

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Orbital position	Space station		Frequency bands GHz								
			<1	<3	4	6	7	11	12	14	>15
112.5 W	CAN	ANIK-C2							11		14
109 W	CAN	ANIK-B1			4	6			11		14
109 W #	CAN	TELESAT C3							11	12	14
108 W #	CAN	MUSAT-A	1	3			7				
106.5 W #	CAN	MSAT	1	3							
106 W #	USA	GSTAR 1								12	14
106 W	USA	USASAT-6B							11		14
105 W	USA	ATS-5	1	3							
104.5 W	CAN	ANIK-D1			4	6					
103 W #	USA	GSTAR 2								12	14
100 W	USA	FLTSATCOM E PAC	1				7				
100 W #	USA	FLTSATCOM-B E PAC									20/45
99 W	USA	WESTAR-1			4	6					
99 W #	USA	WESTAR-4			4	6					
97 W #	USA	USASAT 6A								12	14
95 W #	USA	COMSTAR D1			4	6					
95 W #	USA	TELSTAR 3A			4	6					
95 W	USA	COMSTAR D2			4	6					
94 W #	USA	USASAT 6C								12	14
91 W #	USA	ADV. WESTAR 1			4	6				12	14
91 W *	USA	WESTAR-3			4	6					
87 W	USA	COMSTAR D3			4	6					
87 W #	USA	TELSTAR 3B			4	6					
86 W	USA	ATS-3	1								
83 W #	CUB	STSC-1			4	6					
83 W #	USA	USASAT-7B			4	6					
79 W #	USA	USASAT 7D			4	6				12	14

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Orbital position	Space station		Frequency bands GHz								
			<1	<3	4	6	7	11	12	14	>15
79 W	USA	TDRS CENTRAL		3						14	15
75.4 W	CLM	SATCOL-1A			4	6					
75.4 W	CLM	SATCOL-1B			4	6					
75 W	CLM	SATCOL-2			4	6					
75 W	USA	GOES EAST	1	3							
74 W #	USA	USASAT 7A			4	6					
70 W #	USA	USASAT 7C			4			12	14		
70 W *	B	SBTS A-1			4	6					
70 W #	USA	FLTSATCOM-B W ATL								20/45	
66 W #	USA	USASAT 8A			4	6					
65 W *	B	SBTS A-2			4	6					
62 W #	USA	USASAT 8B			4	6					
58 W #	USA	USASAT 8C			4	6					
53 W *	USA/IT	INTELSAT 4 ATL 5			4	6					
53 W *	USA/IT	INTELSAT 4A ATL 3			4	6					
53 W #	USA/IT	INTELSAT 5 CONT 1			4	6	11		14		
50 W #	USA/IT	INTELSAT 5A CONT 2			4	6	11		14		
50 W #	USA/IT	INTELSAT 5 CONT 2			4	6	11		14		
50 W *	USA/IT	INTELSAT 4A ATL 2			4	6					
50 W *	USA/IT	INTELSAT 4 ATL 1			4	6					
41 W	USA	TDRS EAST		3					14	15	
37.5 W #	F	VIDEOSAT-2		3				12	14		
34.5 W	USA/IT	INTELSAT 4 ATL 5			4	6					
34.5 W	USA/IT	INTELSAT 4A ATL 4			4	6					
34.5 W *	USA/IT	INTELSAT MCS ATL E		3	4	6					
34.5 W	USA/IT	INTELSAT 5 ATL 4			4	6	11		14		
34.5 W #	USA/IT	INTELSAT 5A ATL 3			4	6	11		14		
31 W *	USA/IT	INTELSAT 4A ATL 4			4	6					
31 W #	G	UNISAT 1 ATL					11	12	14		
31 W #	G	UNISAT 1					11	12	14		
29.5 W	USA/IT	INTELSAT 4 ATL 2			4	6					

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Orbital position	Space station		Frequency bands GHz								
			<1	<3	4	6	7	11	12	14	>15
29.5 W	USA/IT	INTELSAT 4A ATL 3			4	6					
29.5 W	USA/IT	INTELSAT 5 ATL 3			4	6		11		14	
27.5 W *	USA/IT	INTELSAT MCS ATL B		3	4	6					
27.5 W *	USA/IT	INTELSAT 5 ATL 3			4	6		11		14	
27.5 W *	USA/IT	INTELSAT 5A ATL 2			4	6		11		14	
27.5 W #	USA/IT	INTELSAT 6 ATL 2			4	6		11		14	
26.5 W	URS	GALS-1					7				
26 W *	F/MRS	MARECS ATL 1	1	3	4	6					
25 W *	URS	VOLNA-1	1	3							
25 W	URS	STATSIONAR-8			4	6					
25 W *	URS	LOUTCH P1						11		14	
25 W	F/SIR	SIRIO-2	1	3							
24.5 W *	USA/IT	INTELSAT MCS ATL D		3	4	6					
24.5 W *	USA/IT	INTELSAT 5A ATL 1			4	6		11		14	
24.5 W	USA/IT	INTELSAT 5 ATL 1			4	6		11		14	
24.5 W	USA/IT	INTELSAT 4A ATL 1			4	6					
24.5 W #	USA/IT	INTELSAT 6 ATL 1			4	6		11		14	
24 W	URS	PROGNOZ-1		3	4						
23 W *	F/MRS	MARECS ATL 2	1	3	4	6					
23 W	USA	FLTSATCOM ATL	1				7				
23 W #	USA	FLTSATCOM-B E ATL								20/45	
21.5 W *	USA/IT	INTELSAT 5 ATL 5			4	6		11		14	
21.5 W *	USA/IT	INTELSAT 4A ATL 1			4	6					
21.5 W *	USA/IT	INTELSAT MCS ATL C		3	4	6					
20 W #	LUX	GDL-4			6		11	12	14		
19.5 W	USA/IT	INTELSAT 4 ATL 3			4	6					
19.5 W	USA/IT	INTELSAT 4A ATL 2			4	6					
19 W #	I	SARIT						11	12		17/18
19 W #	LUX	LUX-SAT						11	12		17/18
19 W #	SUI	HELVESAT		3					12		17/18
19 W	F	TDF-1		3				11			17

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Orbital position	Space station	Frequency bands GHz								
		<1	<3	4	6	7	11	12	14	>15
19 W	F/LST L-SAT									17
19 W *	D TV-SAT									17/18
19 W #	F/LST L-SAT							12	14	
18.5 W *	USA/IT INTELSAT 4A ATL 2			4	6					
18.5 W *	USA/IT INTELSAT 5 ATL 2			4	6		11		14	
18.5 W *	USA/IT INTELSAT MCS ATL A		3	4	6					
18.5 W #	USA/IT INTELSAT 5A ATL 4			4	6		11		14	
18 W	BEL SATCOM-II					7				
18 W	BEL SATCOM 3					7				
16 W *	URS WSDRN						11		14	15
15 W	USA MARISAT-ATL	1	3	4	6					
14 W	URS LOUTCH-1						11		14	
14 W	URS/IK STATIONAR-4			4	6					
14 W	URS VOLNA-2		3							
13.5 W *	URS POTOK-1			4						
12.5 W #	F MAROTS-B	1	3							
12 W	USA USGCSS 3 ATL					7				
12 W	USA USGCSS 2 ATL					7				
11.5 W	F/SYM SYMPHONIE-2	1		4	6					
11.5 W	F/SYM SYMPHONIE-3	1		4	6					
11 W *	URS STATIONAR-11			4	6					
11 W #	F F-SAT 2		3					12	14	20/30
8 W *	F TELECOM-1A		3	4	6	7		12	14	
6 W #	G SKYNET	1				7				43/45
5 W *	F TELECOM-1B		3	4	6	7		12	14	
4 W *	USA/IT INTELSAT 4A ATL 3			4	6					
4 W *	USA/IT INTELSAT 4A ATL 1			4	6					
4 W	USA/IT INTELSAT 4 ATL 1			4	6					
1 W *	USA/IT INTELSAT 4A ATL 2			4	6					
1 W	USA/IT INTELSAT 4 ATL 4			4	6					
1 W #	USA/IT INTELSAT 5 CONT 4			4	6		11		14	

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Orbital position	Space station	Frequency bands GHz																
		<1	<3	4	6	7	11	12	14	>15								
1 W #	G SKYNET 4A	1								7								43/45
0 E #	G SKYNET-A	1																43/45
0 E	F/GEO GEOS-2	1	3															
0 E	F/MET METEOSAT	1	3															
1 E #	LUX GDL-5							6		11	12	14						
4 E *	F TELECOM 1C			3						7		12	14					
5 E #	S TELEX-X			3							11	12	14					17/18
5 E	F/OTS OTS	1									11		14					
7 E #	F F-SAT 1			3	4	6												20/30
7 E #	F/EUT EUTELSAT I-3										11	12	14					
10 E #	F APEX			3	4	6												20/30
10 E	F/EUT EUTELSAT I	1									11		14					
12 E	URS PROGNOZ-2			3	4													
13 E	F/EUT EUTELSAT I-2	1									11		14					
14 E #	NIG NAT. SYSTEM				4	6												
15 E #	ISR AMS				4	6					11		14					
16 E #	I SICRAL 1A	1								7		12	14					20/45
17 E *	ARS SABS										11		14					
19 E	ARS ARABSAT I			3	4	6												
19 E #	LUX GLD-6										6	11	12	14				
20 E #	NIG NAT. SYSTEM										4	6						
20 E	F/SIR SIRIO-2	1	3															
22 E #	I SICRAL 1B	1									7		12	14				20/45
23.5 E #	D DSF-1			3								11	12	14				20/30
26 E	ARS ARABSAT II			3	4	6												
26 E *	IRN ZOHREH-2												11		14			
28.5 E #	D DFS-2			3								11	12	14				20/30
29 E	F/GEO GEOS-2	1	3															
32 E #	F VIDEOSAT-1			3										12	14			
34 E *	IRN ZOHREH-1												11	12	14			
35 E *	URS GALS-6												7					

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Orbital position	Space station		Frequency bands GHz											
			<1	<3	4	6	7	11	12	14	>15			
35 E	URS	PROGNOZ-3		3	4									
35 E	URS	STATSIONAR-2			4	6								
38 E #	PAK	PAKSAT I							11	12	14			
40 E *	URS	STATSIONAR-12			4	6								
41 E #	IRN	ZOHREH-4							11		14			
41 E #	PAK	PAKSAT II							11	12	14			
45 E	URS	GALS-2					7							
45 E *	URS	LOUTCH P2							11		14			
45 E	URS	STATSIONAR-9			4	6								
45 E *	URS	VOLNA-3	1	3										
47 E *	IRN	ZOHREH-3							11		14			
53 E #	G	SKYNET 4C	1				7						45	
53 E	URS	LOUTCH-2							11		14			
53 E	URS/IK	STATSIONAR-5			4	6								
53 E	URS	VOLNA-4		3										
57 E #	USA/IT	INTELSAT 6 IND 2			4	6			11		14			
57 E #	USA/IT	INTELSAT 5A IND 2			4	6			11		14			
57 E *	USA/IT	INTELSAT 5 IND 3			4	6			11		14			
57 E *	USA/IT	INTELSAT 4A IND 2			4	6								
57 E *	USA/IT	INTELSAT MCS IND C		3	4	6								
60 E #	USA/IT	INTELSAT 5A IND 1			4	6			11		14			
60 E #	USA/IT	INTELSAT 6 IND 1			4	6			11		14			
60 E	USA/IT	INTELSAT 4A IND 2			4	6								
60 E	USA/IT	INTELSAT 5 IND 2			4	6			11		14			
60 E *	USA/IT	INTELSAT MCS IND B		3	4	6								
60 E	USA	USGCSS 2 IND					7							
60 E	USA	USGCSS 3 IND					7							
63 E	USA/IT	INTELSAT 4A IND 1			4	6								
63 E	USA/IT	INTELSAT 5 IND 1			4	6			11		14			
63 E *	USA/IT	INTELSAT MCS IND A		3	4	6								
64.5 E *	F/MRS	MARECS IND 1	1	3	4	6								

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Orbital position	Space station		Frequency bands GHz											
			<1	<3	4	6	7	11	12	14	>15			
65 E #	I	SIRIO	1							11	12			17/18
66 E *	USA/IT	INTELSAT 4A IND 1			4	6								
66 E *	USA/IT	INTELSAT 5 IND 4			4	6				11			14	
66 E *	USA/IT	INTELSAT MCS IND D		3	4	6								
70 E #	CHN	STW-2			4	6								
72.5 E	USA	MARISAT-IND	1	3*	4*	6*								
73 E *	F/MRS	MARECS IND 2	1	3	4	6								
74 E	IND	INSAT-1A	1	3	4	6								
75 E #	USA	FLTSATCOM-B IND												20/45
75 E	USA	FLTSATCOM IND	1							7				
76 E *	URS	GOMSS	1	3										
77 E	INS	PALAPA-2			4	6								
80 E *	URS	POTOK-2			4									
80 E	URS	PROGNOZ-4		3	4									
80 E *	URS	STATSIONAR-1			4	6								
80 E *	URS	STATSIONAR-13			4	6								
83 E	INS	PALAPA-1			4	6								
85 E	URS	GALS-3						7						
85 E *	URS	LOUTCH P3								11			14	
85 E	URS	STATSIONAR-3			4	6								
85 E *	URS	VOLNA-5	1	3										
90 E	URS	LOUTCH-3								11			14	
90 E	URS	STATSIONAR-6			4	6								
90 E *	URS	VOLNA-8		3										
94 E	IND	INSAT-1B	1	3	4	6								
95 E *	URS	CSDRN								11			14	15
95 E *	URS	STATSIONAR-14			4	6								
99 E	URS	STATSIONAR-T	1			6								
99 E *	URS	STATSIONAR-T2	1			6								
102 E	IND	ISCOM	1		4	6								
108 E	INS	PALAPA-B1			4	6								

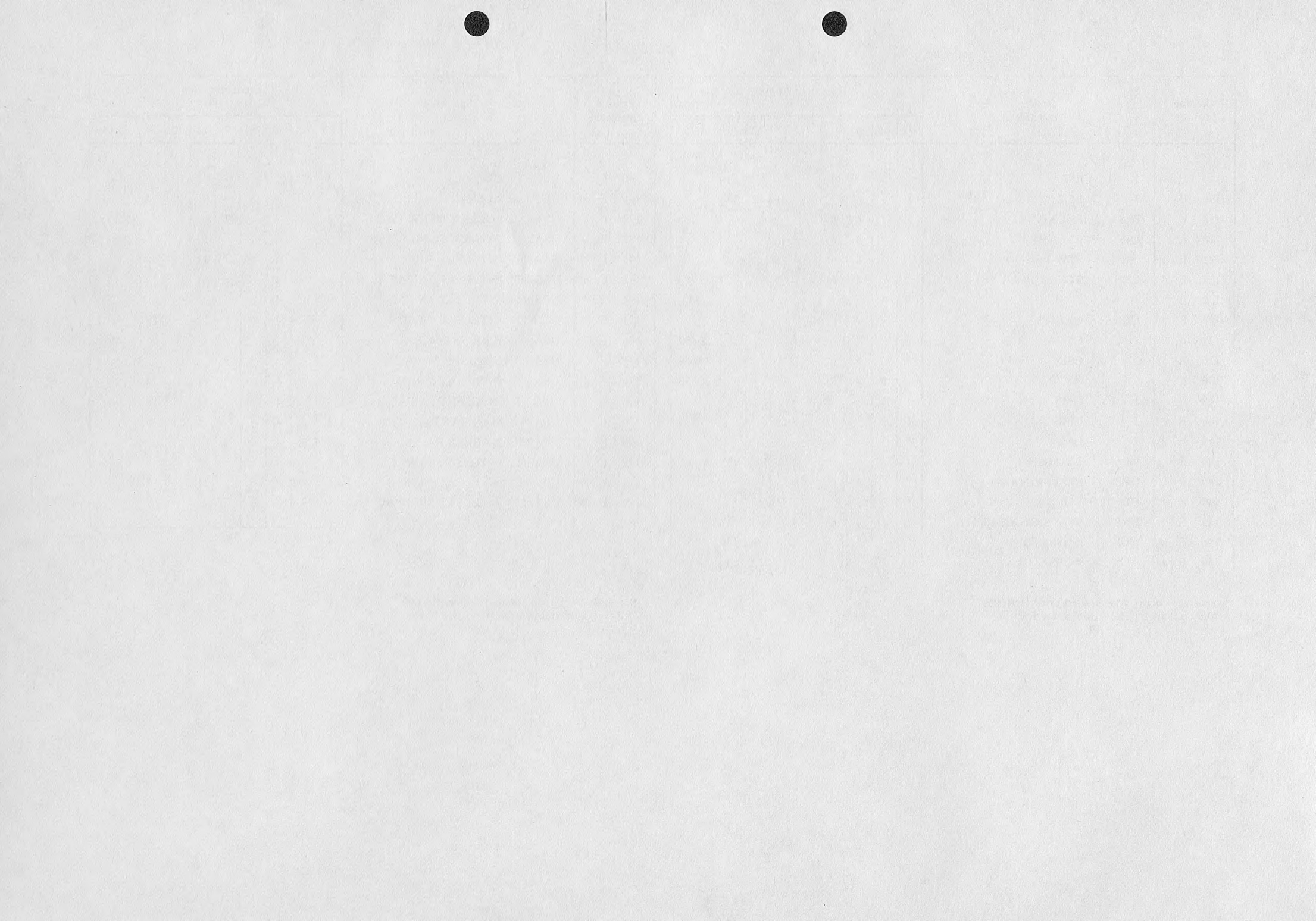
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Orbital position	Space station		Frequency bands GHz									
			<1	<3	4	6	7	11	12	14	>15	
110 E	J	BSE		3							14	
110 E	J	BS-2		3						12	14	
113 E	INS	PALAPA-B2			4	6						
118 E	INS	PALAPA-B3			4	6						
125 E	CHN	STW-1			4	6						
128 E *	URS	STATIONAR-15			4	6						
130 E	J	ETS-2	1	3				11				34
130 E *	URS	GALS-5					7					
132 E	J	CS-2A		3	4	6						20/30
135 E	J	CSE		3	4	6						18/29
136 E	J	CS-2B		3	4	6						20/30
140 E	J	GMS	1	3								
140 E *	J	GMS-2	1	3								
140 E #	J	GMS-3	1	3								
140 E	URS	LOUTCH-4						11			14	
140 E	URS	STATIONAR-7			4	6						
140 E	URS	VOLNA-6		3								
145 E #	URS	STATIONAR-16			4	6						
156 E #	AUS	AUSSAT I								12	14	
160 E #	AUS	AUSSAT II								12	14	

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Orbital position	Space station		Frequency bands GHz									
			<1	<3	4	6	7	11	12	14	>15	
160 E *	J	GMS	1	3								
164 E #	AUS	AUSSAT III									12	14
172 E	USA	FLTSATCOM W PAC	1					7				
172 E #	USA	FLTSATCOM-B W PAC										20/45
173 E *	USA/IT	INTELSAT 5 PAC 1			4	6			11			14
173 E #	USA/IT	INTELSAT 5A PAC 1			4	6			11			14
174 E *	USA/IT	INTELSAT 4A PAC 1			4	6						
174 E *	USA/IT	INTELSAT 5 PAC 1			4	6			11			14
175 E	USA	USGCSS 2 W PAC						7				
175 E	USA	USGCSS 3 W PAC						7				
176 E #	USA/IT	INTELSAT 5 PAC 2			4	6				11		14
176 E #	USA/IT	INTELSAT 5A PAC 2			4	6				11		14
176.5 E	USA	MARISAT-PAC	1	3	4	6						
177.5 E *	F/MRS	MARECS PAC 1	1	3	4	6						
179 E	USA/IT	INTELSAT 4A PAC 2			4	6						
179 E *	USA/IT	INTELSAT 5 PAC 2			4	6			11			14
179 E *	USA/IT	INTELSAT MCS PAC A		3	4	6						

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A

AMSAT PHASE III B	1983	58B
ANIK-C2	1983	59B
ASTRO-B	1983	11A
ASTRON	1983	20A

B

BIG BIRD	1983	60A
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C

CHINA-13	1983	86A
COSMOS-1428	1983	1A
COSMOS-1429	1983	2A
COSMOS-1430	1983	2B
COSMOS-1431	1983	2C
COSMOS-1432	1983	2D
COSMOS-1433	1983	2E
COSMOS-1434	1983	2F
COSMOS-1435	1983	2G
COSMOS-1436	1983	2H
COSMOS-1437	1983	3A
COSMOS-1438	1983	5A
COSMOS-1439	1983	7A
COSMOS-1440	1983	9A
COSMOS-1441	1983	10A
COSMOS-1442	1983	12A
COSMOS-1443	1983	13A
COSMOS-1444	1983	14A
COSMOS-1445	1983	17A
COSMOS-1446	1983	18A
COSMOS-1447	1983	21A
COSMOS-1448	1983	23A
COSMOS-1449	1983	24A
COSMOS-1450	1983	27A
COSMOS-1451	1983	29A
COSMOS-1452	1983	31A
COSMOS-1453	1983	34A
COSMOS-1454	1983	36A
COSMOS-1455	1983	37A
COSMOS-1456	1983	38A
COSMOS-1457	1983	39A
COSMOS-1458	1983	40A
COSMOS-1459	1983	42A
COSMOS-1460	1983	43A
COSMOS-1461	1983	44A
COSMOS-1462	1983	45A
COSMOS-1463	1983	46A

COSMOS-1464	1983	48A
COSMOS-1465	1983	49A
COSMOS-1466	1983	50A
COSMOS-1467	1983	52A
COSMOS-1468	1983	55A
COSMOS-1469	1983	57A
COSMOS-1470	1983	61A
COSMOS-1471	1983	64A
COSMOS-1472	1983	68A
COSMOS-1473	1983	69A
COSMOS-1474	1983	69B
COSMOS-1475	1983	69C
COSMOS-1476	1983	69D
COSMOS-1477	1983	69E
COSMOS-1478	1983	69F
COSMOS-1479	1983	69G
COSMOS-1480	1983	69H
COSMOS-1481	1983	70A
COSMOS-1482	1983	71A
COSMOS-1483	1983	74A
COSMOS-1484	1983	75A
COSMOS-1485	1983	76A
COSMOS-1486	1983	79A
COSMOS-1487	1983	80A
COSMOS-1488	1983	82A
COSMOS-1489	1983	83A
COSMOS-1490	1983	84A
COSMOS-1491	1983	84B
COSMOS-1492	1983	84C
COSMOS-1493	1983	87A
COSMOS-1494	1983	91A
COSMOS-1495	1983	92A
COSMOS-1496	1983	93A
COSMOS-1497	1983	95A
COSMOS-1498	1983	96A
COSMOS-1499	1983	97A
COSMOS-1500	1983	99A
COSMOS-1501	1983	101A
COSMOS-1502	1983	102A
COSMOS-1503	1983	103A
COSMOS-1504	1983	104A
COSMOS-1505	1983	107A
COSMOS-1506	1983	108A
COSMOS-1507	1983	110A
COSMOS-1508	1983	111A
COSMOS-1509	1983	112A
COSMOS-1510	1983	115A
COSMOS-1511	1983	117A
COSMOS-1512	1983	119A
COSMOS-1513	1983	120A
COSMOS-1514	1983	121A
COSMOS-1515	1983	122A

COSMOS-1516	1983	124A
COSMOS-1517	1983	125A
COSMOS-1518	1983	126A
COSMOS-1519	1983	127A
COSMOS-1520	1983	127B
COSMOS-1521	1983	127C
CS-2A	1983	6A
CS-2E	1983	81A

E

ECS-1	1983	58A
EKRAN-10	1983	16A
EKRAN-11	1983	100A
EXOSAT	1983	51A

G

GALAXY-1	1983	65A
GALAXY-2	1983	98A
GOES-6	1983	41A
GORIZONT-7	1983	66A
GORIZONT-8	1983	118A

I

INSAT-1B	1983	89B
INTELSAT-V F6	1983	47A
INTELSAT-V F7	1983	105A
IRAS-1	1983	4A

K

KH-9	1983	32A
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M

METEOR-2 (10)	1983	109A
MOLNYA-1 (56)	1983	19A
MOLNYA-1 (57)	1983	25A
MOLNYA-1 (58)	1983	73A
MOLNYA-1 (59)	1983	114A
MOLNYA-3 (20)	1983	15A
MOLNYA-3 (21)	1983	90A
MOLNYA-3 (22)	1983	123A

N

NAVSTAR-7	1983	72A
NOAA-8	1983	22A

O

OSCAR-10	1983	58B
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P

PALAPA-B1	1983	59C
PROGNOZ-9	1983	67A
PROGRESS-17	1983	85A
PROGRESS-18	1983	106A

R

RADUGA-11	1983	28A
RADUGA-13	1983	88A
RCA-SATCOM-6	1983	30A
RCA-SATCOM-7	1983	94A
ROHINI-3	1983	33A

S

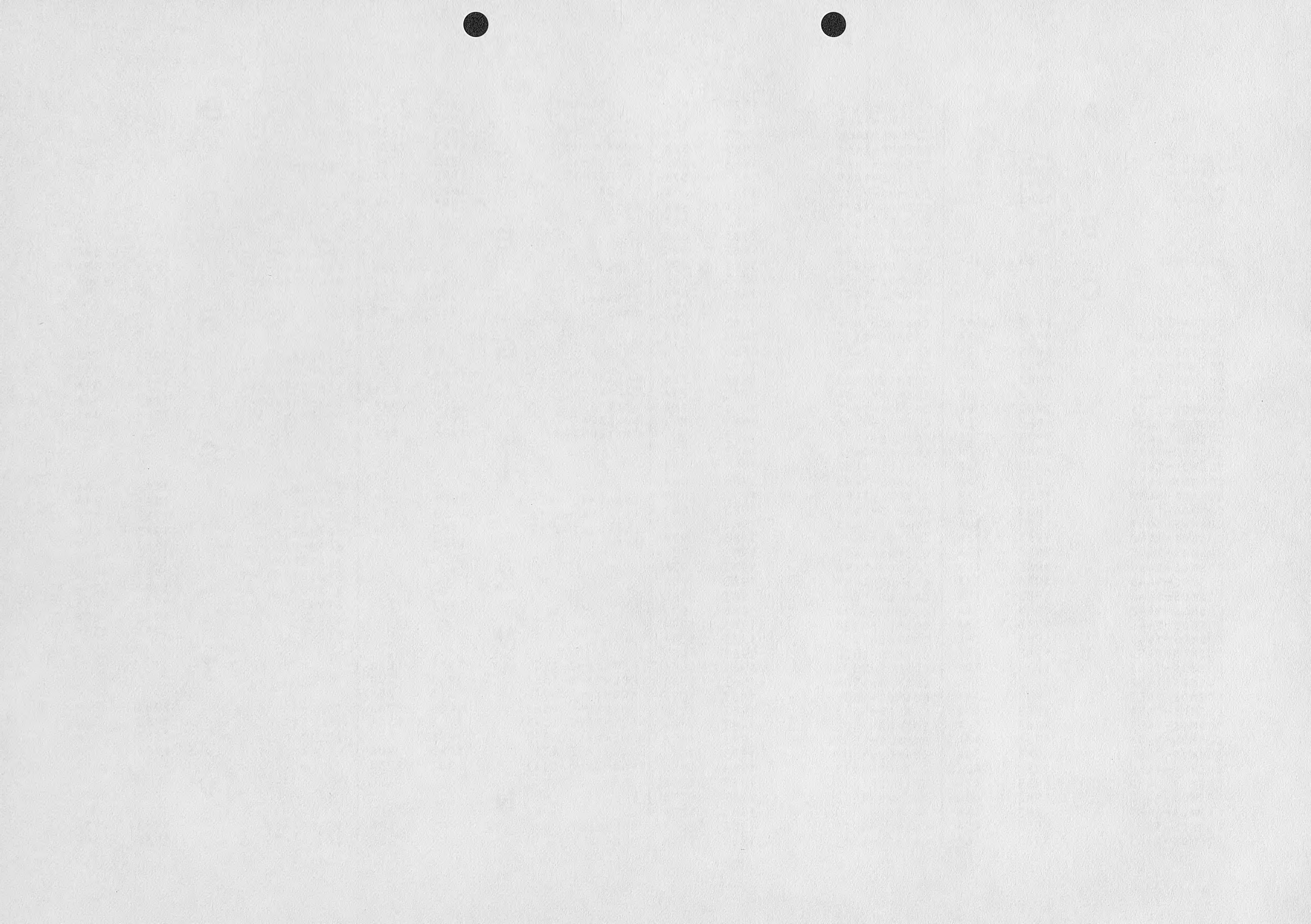
SAKURA	1983	6A
SAKURA	1983	81A
SOYUZ-T8	1983	35A
SOYUZ-T9	1983	62A
SPAS-01	1983	59F
STATSIONAR-T	1983	16A
STATSIONAR-T	1983	100A
STS-6	1983	26A
STS-7	1983	59A
STS-8	1983	89A
STS-9	1983	116A

T

TDRS-1	1983	26B
TELESAT-6	1983	59B
TELSTAR-3A	1983	77A
TENMA	1983	11A

V

VENERA-15	1983	53A
VENERA-16	1983	54A



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Cosmos-1428	1983-1-A	USSR (PLE)	12 Jan.	972 km 1017 km	104.7 min 82.9°		Navigation satellite
Cosmos-1429 to Cosmos-1436 mass: 40 kg each	1983-2-A to 1982-2-H	USSR (PLE)	19 Jan.	1449 km 1513 km	115.3 min 74.0°		Government communication satellites
Cosmos-1437	1983-3-A	USSR	20 Jan.	629 km 678 km	97.6 min 81.2°		
IRAS-1 cylindrical satellite; mass: 5227 kg	1983-4-A	Netherlands/ United States (WTR)	25 Jan.	856.6 km 883.6 km	102.4 min 100.1°	2253.0 MHz 1 W	InfraRed Astronomical satellite. Objectives : to survey the sky at infrared wavelengths (8 to 120 μm) and made special observations of selected astronomical sources
Cosmos-1438	1983-5-A	USSR	27 Jan.	213 km 254 km	88.9 min 70.4°		Low-resolution photographic reconnaissance satellite. Recovered on 7 February 1983
CS-2A (Sakura) spin-stabilized spacecraft; mass in orbit: 350 kg; diameter: 2.18 m; height: 3.3 m	1983-6-A	Japan NSDA (TSC)	4 Feb.	in geostationary satellite orbit at 132° E		30/20 GHz band 5 W 6/4 GHz band 5 W 2286.5 MHz 1 W (telemetry)	Telecommunication satellite. Carries 8 transponders : 6 in the 30/20 GHz band
Cosmos-1439	1983-7-A	USSR	6 Feb.	180 km 371 km	89.7 min 70.4°		Recovered on 22 February 1983
No name	1983-8-A 1983-8-E 1983-8-F	United States USN (WTR)	9 Feb.				Ocean surveillance satellites
Cosmos-1440	1983-9-A	USSR	10 Feb.	223 km 293 km	89.3 min 82.3°		Natural resources satellite. Recovered on 24 February 1983

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Cosmos-1441	1983-10-A	USSR (PLE)	16 Feb.	632 km 667 km	97.5 min 81.0°		Electronic intelligence monitoring satellite (ELINT)
Astro-B (Tenma) mass: 216 kg	1983-11-A	Japan ISAS (KSC)	20 Feb.	490 km 570 km	95.2 min 31.8°		X-ray astronomy satellite. Carries five experiments
Cosmos-1442	1983-12-A	USSR	25 Feb.	180 km 364 km	89.6 min 67.2°		Photographic reconnaissance satellite. Recovered on 11 April 1983
Cosmos-1443	1983-13-A	USSR (BAI)	2 March	199 km 269 km	88.9 min 51.6°		Automatic spacecraft similar to <i>Cosmos-1267</i> . Docked with <i>Salyut-7</i> on 10 March 1983. It remained docked until 14 August and was commanded into destructive re-entry over the Pacific Ocean on 19 September 1983
Cosmos-1444	1983-14-A	USSR (PLE)	2 March	203 km 413 km	90.3 min 72.9°		Photographic reconnaissance satellite. Recovered on 16 March 1983
20th Molnya-3 3-axis stabilized satellite; mass: 1500 kg	1983-15-A	USSR (PLE)	11 March	474 km 40 773 km	735 min 62.8°	5.9-6.2 GHz (reception) 3.6-3.9 GHz (emission)	Transmission of television and multichannel radiocommunications
Ekran-10 (Statsionar-T) 3-axis stabilized satellite; mass: 5 tonnes; solar cells	1983-16-A	USSR (BAI)	12 March	35 619 km in geostationary satellite orbit	1428 min 0.1°	5.7-6.2 GHz (reception) 3.4-3.9 GHz (emission)	Television relay satellite
Cosmos-1445 mass: 900 kg	1983-17-A	USSR (AKY)	15 March	207 km 230 km	88.3 min 50.7°		Shuttle-type spacecrat similar to <i>Cosmos-1374</i> . Recovered in the Indian Ocean, after 1.5 orbits, on 16 March 1983
Cosmos-1446	1983-18-A	USSR	16 March	237 km 368 km	90.3 min 70.0°		Reconnaissance satellite. Recovered on 30 March 1983

56th Molnya-1 hermetically-sealed cylinder with conical ends; mass: 1000 kg; 6 solar panels	1983-19-A	USSR (PLE)	16 March	488 km 40 821 km	737 min 62.8°	800 MHz band 40 W (emission) 1000 MHz band (reception) 3400-4100 MHz (retransmission of television)	Television and multichannel radiocommunications
Astron	1983-20-A	USSR	23 March	2000 km 200 000 km	98 h 51.5°		Carries ultra-violet telescope and X-ray spectrometers
Cosmos-1447	1983-21-A	USSR (PLE)	24 March	975 km 1025 km	104.9 min 83.0°		<i>Kospas-Sarsat</i> satellite for search and rescue operations
NOAA-8 mass: 1712 kg	1983-22-A	United States NOAA (WTR)	28 March	806 km 829 km	101.2 min 98.8°	136.770; 137.770 MHz (on command) 1698; 1702 MHz	First of the advanced <i>Tiros-N</i> operational spacecraft providing systematic global weather observations. It will also serve as a <i>Sarsat</i> satellite for search and rescue operation
Cosmos-1448	1983-23-A	USSR	30 March	977 km 1017 km	104.9 min 83.0°		
Cosmos-1449	1983-24-A	USSR	31 March	207 km 402 km	90.3 min 72.9°		Reconnaissance satellite. Recovered on 15 April 1983
57th Molnya-1 hermetically-sealed cylinder with conical ends; mass: 1000 kg; 6 solar panels	1983-25-A	USSR	2 April	483 km 39 023 km	700 min 62.9°	800 MHz band 40 W (emission) 1000 MHz band (reception) 3400-4100 MHz (retransmission of television)	Television and multichannel radiocommunications
STS-6 space shuttle <i>Challenger</i>	1983-26-A	United States NASA (ETR)	4 April	284 km 291 km	90.3 min 28.5°	2250.0; 2287.5 MHz	Re-usable spacecraft. Astronauts: P. Weitz, K. Bobko, D. Peterson and S. Musgrave. Launched <i>TDRS</i> satellite whilst in orbit. Landed at Edwards Air Force Base on 9 April 1983
TDRS-1	1983-26-B	United States NASA	5 April	21 857 km 35 388 km	1086.1 min 2.4°		Tracking and Data Relay Satellite. Designed to act as a communication link between ground-based stations and low to medium altitude satellites
Cosmos-1450	1983-27-A	USSR (PLE)	6 April	474 km 515 km	94.7 min 65.9°		Satellite intercept programme: radar calibration

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Raduga-11 3-axis stabilized satellite; mass: 5 tonnes; solar panels	1983-28-A	USSR (PLE)	8 April	35 870 km in geostationary satellite orbit	1440 min 1.3°	5.7-6.2 GHz (reception) 3.4-3.9 GHz (emission)	Television transmission and multichannel radiocommunications
Cosmos-1451	1983-29-A	USSR (PLE)	8 April	194 km 264 km	88.7 min 82.3°		High-resolution photographic reconnaissance satellite. Recovered on 22 April 1983
RCA-Satcom-6	1983-30-A	United States RCA Corporation (ETR)	11 April	in geostationary satellite orbit at 139° W		3.7-4.2 GHz band	Communication satellite with capacity of 36 000 telephone channels. Replaces <i>RCA-Satcom-1</i> launched in 1975
Cosmos-1452	1983-31-A	USSR (PLE)	12 April	786 km 826 km	100.3 min 74.0°		Communications monitoring satellite
KH-9	1983-32-A	United States USAF (WTR)	15 April	135 km 208 km	96.53°		High-resolution photographic reconnaissance satellite. Recovered on 21 August 1983
Rohini-3 mass: 41.5 kg	1983-33-A	India ISRO (SSC)	17 April				
Cosmos-1453	1983-34-A	USSR	19 April	473 km 520 km	94.5 min 74.0°		Radar calibration satellite
Soyuz-T8 mass: 6.85 tonnes; 2 solar panels	1983-35-A	USSR (BAI)	20 April	226 km 278 km	89.5 min 51.6°		Three-man spacecraft: V. Titov (commander), G. Strekalov (flight engineer) and A. Serebrov (research cosmonaut). Intended to dock with <i>Salyut-7/Cosmos-1443</i> complex but mission was cancelled because <i>Soyuz-T8</i> was off course. Returned to Earth on 22 April 1983
Cosmos-1454	1983-36-A	USSR	22 April	181 km 374 km	89.7 min 67.2°		High-resolution photographic reconnaissance satellite. Recovered on 22 May 1983
Cosmos-1455	1983-37-A	USSR	23 April	648 km 676 km	97.8 min 82.5°		Ocean surveillance satellite

Cosmos-1456	1983-38-A	USSR (PLE)	25 April	613 km 39 343 km	709 min 62.8°		Early warning satellite
Cosmos-1457	1983-39-A	USSR (BAI)	26 April	180 km 376 km	89.8 min 70.4°		Photographic reconnaissance satellite. Recovered on 8 June 1983
Cosmos-1458	1983-40-A	USSR (PLE)	28 April	220 km 275 km	89.1 min 82.3°		Photographic reconnaissance satellite. Recovered on 11 May 1983
GOES-6 mass: 396 kg	1983-41-A	United States (ETR)	28 April	33 483 km 48 400 km later put into geostationary satellite orbit at 135 ° W	1707.4 min (28 h 27.4 min) 0.5°	2214.0 MHz 4 W (PCM/PM telemetry)	Meteorological satellite. Part of a global network to provide Earth imagery in both visible and infrared spectra, monitoring of space environment, and relaying meteorological data
Cosmos-1459	1983-42-A	USSR (PLE)	6 May	960 km 1028 km	104.8 min 83.0°		Navigation satellite
Cosmos-1460	1983-43-A	USSR (BAI)	6 May	218 km 369 km	90.1 min 70.3°		Photographic reconnaissance satellite. Recovered on 20 May 1983
Cosmos-1461	1983-44-A	USSR (BAI)	7 May	438 km 457 km	93.3 min 65°		Electronic intelligence (ELINT) ocean surveillance satellite
Cosmos-1462	1983-45-A	USSR (PLE)	17 May	224 km 318 km	89.5 min 82.3°		Photographic reconnaissance satellite. Recovered on 31 May 1983
Cosmos-1463	1983-46-A	USSR	19 May	307 km 1570 km	103.5 min 82.9°		
Intelsat-V F6 3-axis stabilized satellite; height: 6.60 m; mass at launch: 1550 kg; 2 solar arrays (1.2 kW)	1983-47-A	International INTELSAT (ETR)	19 May	35 859 km 35 950 km in geostationary satellite orbit	1442.1 min 0.2°	2202.5 MHz 3.5 W 5763 MHz 1 W (telemetry)	INTELSAT commercial telecommunication satellite for telephone and television transmission. Carries a maritime communications services package for ship to shore to ship
Cosmos-1464	1983-48-A	USSR	24 May	985 km 1022 km	104.9 min 82.9°		Navigation satellite

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Cosmos-1465	1983-49-A	USSR (AKY)	26 May	349 km 551 km	93.4 min 50.7°		Electronic monitoring satellite (ELINT)
Cosmos-1466	1983-50-A	USSR (BAI)	26 May	180 km 367 km	89.7 min 64.9°		High-resolution photographic reconnaissance satellite. Recovered on 6 July 1983
Exosat diameter: 2.1 m; height: 1.35 m; mass: 510 kg; solar array	1983-51-A	Europe ESA (WTR)	26 May	347 km 191 709 km	5435.4 min 72.5°	2260.8 MHz 6 W (tracking and telemetry)	<i>Exosat</i> is designed to measure the position, structural features, and spectral and temporal characteristics of cosmic X-ray sources in the range from 0.1 to 50 keV
Cosmos-1467	1983-52-A	USSR	31 May	209 km 389 km	90.0 min 72.9°		Reconnaissance satellite. Recovered on 12 June 1983
Venera-15	1983-53-A	USSR	2 June	circum-venerean orbit			Automatic interplanetary station
Venera-16	1983-54-A	USSR	7 June	circum-venerean orbit			Automatic interplanetary station
Cosmos-1468	1983-55-A	USSR	7 June	227 km 283 km	89.3 min 82.3°		Photographic earth resources satellite. Recovered on 21 June 1983
No name	1983-56-A	United States (WTR)	9 June	1062 km 1182 km	107.7 min 63.4°		Group of three ocean surveillance satellites
No name	1983-56-C	United States (WTR)	9 June	1049 km 1167 km	107.4 min 63.4°		
No name	1983-56-D	United States (WTR)	9 June	1049 km 1168 km	107.4 min 63.4°		
Cosmos-1469	1983-57-A	USSR	14 June	211 km 377 km	90 min 72.8°		Reconnaissance satellite. Recovered on 24 June 1983
ECS-1 3-axis stabilized hexagonal satellite; width: 2.2 m; height: 2.4 m; 2 solar arrays (1000 W)	1983-58-A	Europe ESA (CSG)	16 June	35 462 km 35 782 km in geostationary satellite orbit at 10° E	1427.7 min 0.1°	11-14 GHz (12 × 20 W)	European Communication Satellite

Oscar-10 (AMSAT Phase III B) spin-stabilized satellite	1983-58-B	Fed. Rep. of Germany AMSAT (CSG)	16 June	211 km 35 503 km	625.8 min 8.5°	435.2 MHz (up-link) 145.9 MHz (down-link) 1269.45 MHz (up-link) 436.55 MHz (down-link)	Amateur radio satellite. Two transponders, 16 koctet memory
STS-7 space shuttle <i>Challenger</i>	1983-59-A	United States NASA (ETR)	18 June	291 km 296 km	90.4 min 28.5°	2250.0; 2287.5 MHz	Re-usable spacecraft. Crew: R. Crippen, F. Hanck, J. Fabian, S. Ride and N. Thagard. Landed at Edwards Air Force Base on 24 June 1983
Telesat-6 (Anik-C2)	1983-59-B	Canada Telesat launched from <i>STS-7</i>	18 June	in geostationary satellite orbit		3.7-4.2 GHz band 11.5 W	Communication satellite providing voice and television transmission
Palapa-B1	1983-59-C	Indonesia launched from <i>STS-7</i>	19 June	in geostationary satellite orbit			Communication satellite for the Indonesian islands
SPAS-01	1983-59-F	Fed. Rep. of Germany launched from <i>STS-7</i>	22 June	295 km 300 km	90.5 min 28.5°		Shuttle Pallet Satellite. Recovered by <i>STS-7</i> after two flights lasting a total of 8 ½ hours
Big Bird	1983-60-A	United States USAF (WTR)	20 June	156.5 km 255 km	88.6 min 96.5°		Reconnaissance satellite
No name	1983-60-C	United States (WTR)	20 June	1284 km 1287 km	111.3 min 96.7°		Electronic monitoring satellite (ELINT)
Cosmos-1470	1983-61-A	USSR	23 June	630 km 664 km	97.7 min 82.5°		
Soyuz-T9 mass: 6850 kg; length: 7.94 m; 2 solar panels	1983-62-A	USSR (BAI)	27 June	258 km 303 km	90.0 min 51.6°		Two-man spacecraft. Crew: V. Liakhov and A. Alexandrov. Docked with <i>Salyut-7</i> on 28 June forming an orbital complex of <i>Salyut-7</i> , <i>Cosmos-1443</i> and <i>Soyuz-T9</i> with a total mass of 47 tonnes. Soyuz-T9 was returned to earth with cosmonauts Liakhov and Alexandrov on 23 November 1983
No name	1983-63-A	United States (WTR)	27 June	767 km 834 km	100.9 min 82.0°		

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Cosmos-1471	1983-64-A	USSR	28 June	182 km 369 km	89.7 min 67.2°		Photographic reconnaissance satellite. Recovered on 28 July 1983
Galaxy-1 spin-stabilized satellite; mass: 519 kg	1983-65-A	United States Hughes Com- munications Inc. (ETR)	28 June	35 256 km 36 373 km in geostationary satellite orbit at 135° W	1437.5 min 0.1°	3950 MHz (down-link)	Television relay satellite. Twenty-four C-band repeaters
Gorizont-7 3-axis stabilized satellite	1983-66-A	USSR (BAI)	1 July	36 600 km in geostationary satellite orbit	1479 min 1.3°	3.4-3.9 GHz (emission) 5.7-6.2 GHz (reception)	Communication satellite for transmission of telegraph and telephone messages and television programmes
Prognoz-9 pressurized central body; 4 solar panels	1983-67-A	USSR (BAI)	1 July	380 km 720 000 km	26.7 days 65.5°		Automatic satellite to study X and γ radiations and Sun- Earth relations
Cosmos-1472	1983-68-A	USSR	5 July	197 km 264 km	88.8 min 82.4°		Recovered on 19 July 1983
Cosmos-1473 to Cosmos-1480 mass: 40 kg each	1983-69-A to 1983-69-H	USSR (PLE)	6 July	1448 km 1511 km	115.1 min 74°		Government communication satellites
Cosmos-1481	1983-70-A	USSR	8 July	615 km 40 165 km	718 min 62.8°		Communication satellite
Cosmos-1482	1983-71-A	USSR	13 July	217 km 376 km	90.2 min 70°		Photographic reconnaissance satellite. Recovered on 27 July 1983
Navstar-7	1983-72-A	United States USAF (WTR)	14 July	19 921 km 20 442 km	718 min 62.8°		Global positioning system navigation satellite

58th Molnya-1 hermetically sealed cylinder with conical ends; mass: 1000 kg; 6 solar panels	1983-73-A	USSR (PLE)	19 July	480 km 39 025 km	700 min 62.9°	800 MHz band 40 W (emission) 1000 MHz band (reception) 3400-4100 MHz (retransmission of television)	Television and multichannel radiocommunications
Cosmos-1483	1983-74-A	USSR	20 July	227 km 305 km	89.5 min 82.3°		Recovered on 3 August 1983
Cosmos-1484	1983-75-A	USSR	24 July	595 km 673 km	97.3 min 98°		Earth resources satellite
Cosmos-1485	1983-76-A	USSR	26 July	209 km 395 km	90.2 min 72.9°		Reconnaissance satellite. Recovered on 9 August 1983
Telstar-3A Hughes type HS 376 spin-stabilized satellite; diameter: 2.13 m; mass: 1225 kg	1983-77-A	United States AT&T (ETR)	28 July	35 443 km 36 133 km in geostationary satellite orbit at 96° W	1436.2 min 0.1°	2250.5 MHz 2 W (FM telemetry)	United States national communication satellite providing television, sound radio, voice and high-speed data transmission services. First of a series of three satellites. Thirty C-band repeaters
No name	1983-78-A	United States (WTR)	31 July				
Cosmos-1486	1983-79-A	USSR	3 August	786 km 820 km	100.8 min 74.1°		Electronic monitoring satellite (ELINT)
Cosmos-1487	1983-80-A	USSR	5 August	226 km 305 km	89.5 min 82.3°		Photographic Earth resources satellite. Recovered on 19 August 1983
CS-2B (Sakura) spin-stabilized spacecraft; diameter: 2.18 m; height: 3.30 m; mass in orbit: 350 kg	1983-81-A	Japan NSDA (TSC)	5 August	35 535 km 36 610 km in geostationary satellite orbit at 136° E	1450.8 min 0.3°	30/20 GHz band 5 W 6/4 GHz band 5 W 2286.5 MHz 1 W (telemetry)	Telecommunication satellite. Carries 8 transponders: 6 in the 30/20 GHz band
Cosmos-1488	1983-82-A	USSR	9 August	208 km 397 km	90.2 min 72.8°		Reconnaissance satellite. Recovered on 23 August 1983

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Cosmos-1489	1983-83-A	USSR	10 August	182 km 323 km	89.3 min 64.7°		Reconnaissance satellite. Recovered on 23 September 1983
Cosmos-1490 to Cosmos-1492	1983-84-A to 1983-84-C	USSR (BAI)	10 August	19 154 km	676 min 64.7°	1240-1260; 1597-1610; 1610-1617 MHz (in accordance with RR 732)	GLObal NAVigation Satellite System (GLONASS). Series of satellites for civil aviation and merchant marine navigation. The system will be composed of 9 to 12 satellites. (See also 1982-100-A, D and F)
Progress-17	1983-85-A	USSR (BAI)	17 August	196 km 257 km	88.7 min 51.6°		Expendable supply craft. Docked with <i>Salyut-7</i> on 19 August to deliver fuel supplies etc. Re-entered Earth's atmosphere and burnt up on 18 September 1983
China-13	1983-86-A	China (Juiquan)	19 August	160 km 266 km	88.8 min 63.3°		Recovered on 24 August 1983
Cosmos-1493	1983-87-A	USSR	23 August	207 km 396 km	90.2 min 72.9°		Reconnaissance satellite. Recovered on 6 September 1983
Raduga-13 3-axis stabilized satellite; mass: 5 tonnes; solar cells	1983-88-A	USSR (BAI)	26 August	36 617 km in geostationary satellite orbit	1478 min 1.3°	5.7-6.2 GHz (reception) 3.4-3.9 GHz (emission)	Television and multichannel radiocommunications
STS-8 space shuttle <i>Challenger</i>	1983-89-A	United States NASA (ETR)	30 August	296 km 302 km	90.5 min 28.5°	2555-4200 MHz band (telemetry)	Re-usable spacecraft. Crew: R. Truly, D. Brandenstein, W. Thornton, G. Bluford and D. Gardner. Landed at Edwards Air Force Base on 5 September 1983
Insat-1B box-shaped satellite; 1.42 × 1.55 × 2.18 m; solar array	1983-89-B	India (ETR)	31 August	in geostationary satellite orbit at 94° E		6/4 GHz (communications) 5.9/2.6 GHz (direct television, etc.)	Carries 12 6/4 GHz transponders, two S-band transponders and a radiometry payload to provide 24-hour, half-hourly synoptic observations of weather systems
21st Molnya-3 3-axis stabilized satellite; mass: 1500 kg	1983-90-A	USSR	31 August	497 km 40 815 km	736 min 62.8°	5.9-6.2 GHz (reception) 3.6-3.9 GHz (emission)	Carries equipment for transmitting television and multi-channel radiocommunications

Cosmos-1494	1983-91-A	USSR	31 August	341 km 561 km	93.5 min 50.7°		
Cosmos-1495	1983-92-A	USSR	3 Sept.	211 km 248 km	88.9 min 82.3°		Recovered on 16 September 1983
Cosmos-1496	1983-93-A	USSR	7 Sept.	182 km 362 km	89.6 min 67.2°		
RCA-Satcom-7 3-axis stabilized satellite; solar panels	1983-94-A	United States RCA Corporation (ETR)	8 Sept.	in geostationary satellite orbit at 66° W		2250.5 MHz 2.5 W (telemetry) 3.7-4.2 GHz band (emission)	National communication satellite with capacity of 36 000 telephone channels. Replaces <i>RCA-Satcom-2</i>
Cosmos-1497	1983-95-A	USSR	9 Sept.	208 km 403 km	90.3 min 72.8°		Recovered on 23 September 1983
Cosmos-1498	1983-96-A	USSR	14 Sept.	222 km 305 km	89.4 min 82.3°		Earth resources satellite
Cosmos-1499	1983-97-A	USSR	17 Sept.	208 km 396 km	90.2 min 72.9°		Photographic reconnaissance satellite
Galaxy-2 spin-stabilized satellite; mass: 519 kg	1983-98-A	United States Hughes Com- munications Inc. (ETR)	22 Sept.	in geostationary satellite orbit at 74° W		2250.5 MHz 2.5 W (telemetry)	Television relay satellite. Twenty-four C-band repeaters
Cosmos-1500	1983-99-A	USSR	28 Sept.	649 km 679 km	97.8 min 82.6°		Ocean surveillance satellite
Ekran-11 (Statsionar-T) 3-axis stabilized satellite; mass: 5 tonnes; solar cells	1983-100-A	USSR (BAI)	29 Sept.	36 630 km in geostationary satellite orbit	1428 min 0.4°	5.7-6.2 GHz (reception) 3.4-3.9 GHz (emission)	Television relay satellite
Cosmos-1501	1983-101-A	USSR	30 Sept.	470 km 516 km	94.4 min 82.9°		Electronic intelligence monitoring satellite (ELINT)
Cosmos-1502	1983-102-A	USSR	5 Oct.	372 km 411 km	92.3 min 75.9°		

<i>Code name Spacecraft description</i>	<i>International number</i>	<i>Country Organization Site of launching</i>	<i>Date</i>	<i>Perigee Apogee</i>	<i>Period Inclination</i>	<i>Frequencies Transmitter power</i>	<i>Observations</i>
Cosmos-1503	1983-103-A	USSR	12 Oct.	791 km 827 km	100.9 min 74°		
Cosmos-1504	1983-104-A	USSR	14 Oct.	180 km 328 km	89.3 min 64.9°		Reconnaissance satellite. Recovered on 6 December 1983
Intelsat-V F7 3-axis stabilized satellite; height: 6.60 m; mass at launch: 1950 kg; 2 solar arrays (1.2 kW)	1983-105-A	International INTELSAT (CSG)	19 Oct.	35 513 km 35 950 km in geostationary satellite orbit at 60° E	1433.3 min 0.4°	6/4 GHz band (communications)	INTELSAT commercial communication satellite: 12 000 telephone channels and two colour television channels
Progress-18 modified <i>Soyuz</i> spacecraft with- out the descent section; mass at launch: 7 tonnes	1983-106-A	USSR (BAI)	20 Oct.	193 km 269 km	88.8 min 51.6°		Expendable supply craft. Docked with <i>Salyut-7</i> on 22 October 1983 and delivered fuel, research materials, sup- plies and mail for the crew. Undocked on 11 November and disintegrated on re-entry on 20 November 1983
Cosmos-1505	1983-107-A	USSR	21 Oct.	210 km 377 km	90.0 min 72.9°		Reconnaissance satellite
Cosmos-1506	1983-108-A	USSR	26 Oct.	969 km 1026 km	104.8 min 83°		Navigation satellite
10th Meteor-2	1983-109-A	USSR (PLE)	28 Oct.	780 km 901 km	101 min 81.2°		Meteorological satellite
Cosmos-1507	1983-110-A	USSR	29 Oct.	431 km 449 km	93.02 min 65°		Reconnaissance satellite
Cosmos-1508	1983-111-A	USSR	11 Nov.	400 km 1964 km	108.8 min 83°		
Cosmos-1509	1983-112-A	USSR	17 Nov.	209 km 309 km	89.3 min 72.9°		Reconnaissance satellite. Recovered on 1 December 1983
No name	1983-113-A	United States (WTR)	18 Nov.				

59th Molnya-1 hermetically-sealed cylinder with conical ends; mass: 1000 kg; 6 solar panels	1983-114-A	USSR (PLE)	23 Nov.	465 km 39 150 km	702 min 62.8°	800 MHz and 40 W (emission) 1000 MHz band (reception) 3400-4100 MHz (retransmission of television)	Television and multichannel radiocommunications
Cosmos-1510	1983-115-A	USSR	24 Nov.	1497 km 1537 km	116.1 min 73.6°		
STS-9 space shuttle <i>Columbia</i>	1983-116-A	United States NASA (ETR)	28 Nov.	242 km 254 km	89.5 min 57°	2205.0; 2250.0 MHz (FM wideband data link) 2217.5; 2287.5 MHz (PM data link)	Re-usable spacecraft. Crew: J. Young, B. Shaw, O. Garriott, R. Parker, B. Lichtenberg and U. Merbold. Landed on 7 December 1983 at Edwards Air Force Base
Cosmos-1511	1983-117-A	USSR	30 Nov.	181 km 368 km	89.7 min 67.2°		Photographic reconnaissance satellite
Gorizont-8	1983-118-A	USSR (BAI)	30 Nov.	35 850 km in geostationary satellite orbit	1439 min 1.4°	3.4-3.9 GHz (emission) 5.7-6.2 GHz (reception)	Communication satellite for transmission of telegraph and telephone messages and television programmes
Cosmos-1512	1983-119-A	USSR	7 Dec.	209 km 392 km	90.2 min 72.9°		Reconnaissance satellite. Recovered on 21 December 1983
Cosmos-1513	1983-120-A	USSR	8 Dec.	977 km 1029 km	105 min 83°		Navigation satellite
Cosmos-1514	1983-121-A	USSR	14 Dec.	226 km 288 km	89.3 min 82.3°		Biological research satellite. Recovered on 19 December 1983
Cosmos-1515	1983-122-A	USSR	15 Dec.	648 km 676 km	97.8 min 82.5°		Electronic intelligence monitoring satellite (ELINT)
22nd Molnya-3 3-axis stabilized satellite; mass: 1500 kg	1983-123-A	USSR (PLE)	21 Dec.	645 km 40 635 km	736 min 62.8°	5.9-6.2 GHz (reception) 3.6-3.9 GHz (emission)	Carries equipment for transmitting television and multi-channel radiocommunications

<i>Code name Spacecraft description</i>	<i>International number</i>	<i>Country Organization Site of launching</i>	<i>Date</i>	<i>Perigee Apogee</i>	<i>Period Inclination</i>	<i>Frequencies Transmitter power</i>	<i>Observations</i>
Cosmos-1516	1983-124-A	USSR	27 Dec.	205 km 299 km	89.2 min 65°		
Cosmos-1517	1983-125-A	USSR (BAI)	27 Dec.	208 km 228 km	88.7 min 50.7°		Shuttle-type spacecraft. Recovered on same day as launched in the Black Sea
Cosmos-1518	1983-126-A	USSR	28 Dec.	614 km 39 345 km	709 min 62.8°		
Cosmos-1519 to Cosmos-1521	1983-127-A to 1983-127-C	USSR (BAI)	29 Dec.	19 100 km	674 min 64.3°	1240-1260; 1597-1610; 1610-1617 MHz (in accordance with RR 732)	GLObal NAVigation Satellite System (GLONASS). Series of satellites for civil aviation and merchant marine navigation. The system will be composed of 9 to 12 satellites (see also 1982-100-A, D and F and 1983-84-A to C)

AKY = Aktubinsk-Kapustin Yar (USSR)
 AMSAT = Radio Amateur Satellite Corporation (United States)
 AT&T = American Telephone and Telegraph Company
 BAI = Baikonur (USSR)
 CSG = Centre spatial guyanais, Kourou (French Guiana)
 ESA = European Space Agency
 ETR = Eastern Test Range (United States)

INTELSAT = International Telecommunications Satellite Organization
 ISAS = Institute of Space and Aeronautical Science (Japan)
 ISRO = Indian Space Research Organization
 KSC = Kagoshima Space Centre (Japan)
 NASA = National Aeronautics and Space Administration (United States)
 NOAA = National Oceanic and Atmospheric Administration (United States)

NSDA = National Space Development Agency (Japan)
 PLE = Plesetsk (USSR)
 SSC = Sriharikota Space Centre (India)
 TSC = Tanegashima Space Centre (Japan)
 USAF = United States Air Force
 USN = United States Navy
 WTR = Western Test Range (United States)

The following satellites have decayed since the preparation of the "Table of artificial satellites launched in 1982" published in May 1983

<i>satellite</i>	<i>international number</i>	<i>decay</i>		<i>satellite</i>	<i>international number</i>	<i>decay</i>
Explorer-15	1962-34-A	19 December 1983		Tansei-4	1980-15-A	12 May 1983
Geophysical Research Satellite	1963-26-A	14 December 1983		Cosmos-1169	1980-23-A	3 March 1983
Electron-4	1964-38-B	12 October 1983		Dynamics Explorer-2	1980-70-B	19 February 1983
Explorer-23	1964-74-A	29 June 1983		Cosmos-1215	1980-83-A	12 May 1983
Cosmos-226	1968-49-A	18 October 1983		Cosmos-1311	1981-97-A	28 August 1983
3rd Meteor-1	1970-19-A	18 November 1983		Cosmos-1351	1982-34-A	14 March 1983
Cosmos-379	1970-99-A	21 September 1983		Cosmos-1355	1982-38-A	27 August 1983
Cosmos-542	1972-106-A	9 October 1983		Cosmos-1397	1982-76-A	18 May 1983
7th Molnya-2	1973-76-A	8 July 1983		Cosmos-1402	1982-84-A	23 January 1983
Tansei-2	1974-8-A	22 January 1983		Cosmos-1418	1982-104-A	30 September 1983
27th Molnya-1	1974-23-A	17 November 1983		Cosmos-1424	1982-117-A	28 January 1983
Intercosmos-14	1975-115-A	27 February 1983		Cosmos-1425	1982-119-A	6 January 1983
Cosmos-837	1976-62-A	18 November 1983		Cosmos-1426	1982-120-A	5 March 1983

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