

79-001A

Kosmos 1070

Uppsänd: 11 januari 1979 från Pleseck.

1	11229U	79001	A	79	11.73804994	.00022741	00000-0	00000-0	0	00013
2	11229	62.8071	285.2126	0046584	90.8839	275.8588	16.14394736			20
1	11229U	79001	A	79	11.73700056	.00022741	00000-0	00000-0	0	00029
2	11229	62.7856	285.0944	0052079	92.4355	267.1703	16.13227528			29
1	11229U	79001	A	79	11.73719015	.00022741	00000-0	00000-0	0	00035
2	11229	62.8099	285.1916	0069062	87.5273	273.3331	16.08591622			22
1	11229U	79001	A	79	11.86152509	.00022741	00000-0	00000-0	0	00049
2	11229	62.8006	284.6908	0068432	86.1895	274.9023	16.09159211			42
1	11229U	79001	A	79	12.79361197	.00151203	00000-0	11626-3	0	00053
2	11229	62.8084	280.9667	0066215	87.5007	273.8707	16.09453025			199
1	11229U	79001	A	79	14.40867822	.00144044	00000-0	00000-0	0	00066
2	11229	62.8033	274.5297	0065284	87.5738	273.3757	16.09963306			454
1	11229U	79001	A	79	15.09184155	.00171777	00000-0	00000-0	0	00077
2	11229	62.8033	271.8064	0064475	87.7063	273.1987	16.10201726			568

1	11229U	79001	A	79	15.34023228	.00169579	00000-0	00000-0	0	00086
2	11229	62.8053		270.3160	0064124	87.7543	273.0919	16.10286296		604

1	11229U	79001	A	79	18.13384341	.00173053	00000-0	00000-0	0	00095
2	11229	62.8044		259.6690	0062705	87.6891	273.2329	16.11256066		1055

1	11229U	79001	A	79	19.56101456	.00186884	00000-0	00000-0	0	00105
2	11229	62.8040		253.9731	0062531	87.6060	273.2204	16.11770498		1286

79-002A

Kosmos 1071

Uppsänd: 13 januari 1979 från Plesetsk.

1	11233U	79002	A	79	13.75888335	.00024139	00000-0	11712-4	0	00014
2	11233	62.7917			294.8382 0120509	80.2609	283.6980	16.06091700		20

1	11233U	79002	A	79	13.94523460	.00024139	00000-0	00000-0	0	00025
2	11233	62.8172			294.0650 0120472	80.3315	280.9473	16.05708094		57

1	11233U	79002	A	79	15.06622978	.00213176	00000-0	00000-0	0	00036
2	11233	62.9070			289.6435 0118485	82.4480	279.3469	16.06053750		233

1	11233U	79002	A	79	15.25295267	.00226220	00000-0	00000-0	0	00049
2	11233	62.8030			288.9051 0119122	82.1887	279.2779	16.06154644		262

1	11233U	79002	A	79	16.18670197	.00226220	00000-0	00000-0	0	00052
2	11233	62.8000			285.1952 0125588	72.3429	290.7978	16.11683950		413

1	11233U	79002	A	79	17.05493408	.00412155	00000-0	00000-0	0	00062
2	11233	62.8004			281.7290 0122068	73.2091	288.9009	16.12442041		553

1	11233U	79002	A	79	19.47192182	.00464940	00002-0	00000-0	0	00075
2	11233	62.8022			272.0388 0116418	73.5852	287.9122	16.14534751		944

1	11233U	79002	A	79	21.70012710	.00484133	00002-0	02202-0	0	00081
2	11233	62.8003			263.0795 0110211	73.0978	287.4436	16.16664257		1374

1	11233U	79002	A	79	22.44217949	.00247314	13722-3	92832-4	0	00095
2	11233	62.7872			260.1048 0180968	53.3968	289.5260	15.96246146		1424

1	11233U	79002	A	79	23.32236302	.00295008	00000-0	00000-0	0	00108
2	11233	62.8088			256.6902 0179021	54.7241	307.2982	15.96802829		1560

1	11233U	79002	A	79	24.13629419	.00317109	00000-0	00000-0	0	00111
2	11233	62.8093			253.5018 0177210	54.9123	300.9009	15.97041007		1050

1	11233U	79002	A	79	24.51185602	.00361611	00000-0	00000-0	0	00122
2	11233	62.8107			252.0367 0176074	54.9105	306.9262	15.97653250		1754

1	11233U	79002	A	79	26.13856838	.00345698	00000-0	00000-0	0	00136
2	11233	62.8064			245.6644 0172935	55.2395	305.9362	15.98705642		2013

1	11233U	79002	A	79	26.26401633	.05035629	86258-2	11539-3	0	00159
2	11233	62.9467			245.2781 0380622	26.4646	335.5980	15.66399258		2036

79-003 A

Kosmos 1072

Uppskänd: den 16, januari 1979 från Plesetsk.

1	11238U	79003	A	79	16.79322336	.00001612	00000-0	00000-0	0	00016
2	11238	82.9370		47.9858	0027202	288.7913	71.0202	13.73569299		15

1	11238U	79003	A	79	17.15744377	.00001612	00000-0	00000-0	0	00021
2	11238	82.9290		47.7036	0037226	285.3732	72.8741	13.72461746		60

79-004

Molviya 3L

1	112410	79004B	79	18.76753162	.00313189	00000-0	00000-0	0	00010
2	11241	62.7789	302.6950	0154947	128.2354	230.8036	15.85285752		22
1	112420	79004	C	79	19.20996126	.00313189	00000-0	00000-0	00010
2	11242	62.7996	300.8384	0174954	128.7240	233.1029	15.90992609		90
1	112420	79004	C	79	19.27278778	.00313189	00000-0	00000-0	00024
2	11242	62.8140	300.5879	0201969	123.0384	233.8311	15.83330919		107
1	112410	79004B	79	19.27253646	.00313189	00000-0	00000-0	0	00020
2	11241	62.7687	300.7354	0153638	128.3489	233.7675	15.86123319		103
1	112420	79004	A	79	19.21673993	-.00000203	00000-0	00000-0	00014
2	11242	62.8075	302.8591	7478225	280.0547	10.7386	1.95679557		28
1	112420	79004	A	79	21.26088438	.00000381	00000-0	00000-0	00023
2	11242	62.8224	302.5117	7477588	280.0809	10.5324	1.95655594		66

79-005 A

Meteor 29

1	11251U	79 005 A	79 25.27869041	.20000000	00000-0	00000-0	0 00015
2	11251	98.0308	83.9821 0019846	309.5668	52.1360	14.78606662	17
1	11251U	79 005 A	79 25.41370346	.00000000	00000-0	00000-0	0 00027
2	11251	97.9976	84.0966 0015808	299.8352	60.3662	14.79141817	31
1	11251U	79 005 A	79 25.75189666	.00000000	00000-0	00000-0	0 00038
2	11251	97.9976	84.4332 0015808	298.7424	61.0804	14.79100378	88
1	11251U	79 005 A	79 27.91682892	-.00010293	00000-0	00000-0	0 00055
2	11251	98.0044	86.5961 0016858	292.0218	67.9152	14.79017031	401

79-006A

Kosmos 1073

1	11255U	79206A	79	30.74787604	.00222741	00000-0	00000-0	0	00019
2	11255	62.8055	307.6978	0109939	74.6094	286.7119	16.07508424		24
1	11255U	79206A	79	31.49423142	.00222741	00000-0	00000-0	0	00026
2	11255	62.7988	304.7285	0111099	76.4476	284.8972	16.07766197		145
1	11255U	79 006A	79	33.42149114	.00288443	00000-0	00000-0	0	00040
2	11255	62.8055	297.0636	0108496	76.1998	285.3610	16.09017445		454
1	11255U	79 006A	79	35.22107850	.00470300	00000-0	00000-0	0	00069
2	11255	62.7987	289.8794	0116096	74.7015	286.9858	16.13291513		748
1	11255U	79 006A	79	36.95566154	.00509792	00000-0	00000-0	0	00074
2	11255	62.7997	282.9166	0111141	75.0420	286.5283	16.15033021		1026
1	11255U	79 006A	79	38.44086507	.00552330	00000-0	00000-0	0	00097
2	11255	62.8028	276.9410	0106552	75.3166	285.9751	16.16650870		1264

79-007

SCATHA

1	11256U	79007B	79	31.01979453	.00004897	00002-0	00000-0	0	00013
2	1125E	28.6202	273.8789	0492849	168.3690	192.8741	15.14738327		27
1	11256U	79207	A 79	32.37073373	.00012598	00000-0	00000-0	0	00000
2	11256	27.3150	274.2291	7665846	179.8139	242.0854	1.84323786		09

79-008A

Kosmos 1074

1	11259U	79008	A	79	31.55222769	.00096106	00000-0	00000-0	0	00027
2	11259	51.6012			273.8334	0032762	90.9461	269.7904	16.20424417	35
1	11259U	79008A		79	31.98376856	.00096106	00000-0	00000-0	0	00032
2	11259	51.5820			271.4670	0032869	95.8862	264.5854	16.20916514	104
1	11259U	79008	A	79	32.66200537	.00825463	00000-0	00000-0	0	00058
2	11259	51.6086			267.7261	0036110	85.3943	275.1334	16.20369415	215
1	11259U	79008	A	79	33.40176447	.00786528	00000-0	00000-0	0	00062
2	11259	51.6062			263.6494	0032492	89.7458	270.5556	16.21502863	335
1	11259U	79008	A	79	33.95628657	.00786528	00000-0	00000-0	0	00078
2	11259	51.6708			280.7769	0031470	286.3812	42.4393	15.99399204	421
1	11259U	79008	A	79	34.21154804	.00786528	00000-0	00000-0	0	00267
2	11259	51.6593			259.4069	0031386	282.5351	75.0362	15.96099602	460

1	112590	79008	A	79	34.52493079	.00786528	00000-0	00000-0	0	00091
2	11259	51.6572			257.7927	0011031	303.2732	49.5829	15.85432302	517

1	112590	79008	A	79	34.84129066	.00034451	00000-0	00000-0	0	00102
2	11259	51.6618			256.1145	0008913	302.9291	56.7400	15.85363985	564

1	112590	79008	A	79	35.53471547	.00116605	00000-0	00000-0	0	00116
2	11259	51.6621			252.5006	0007107	296.3052	63.9368	15.85552688	674

1	112590	79008	A	79	35.59772358	.00110850	00000-0	00000-0	0	00121
2	11259	51.6621			252.1716	0007045	296.5501	63.4731	15.85561970	684

1	112590	79008	A	79	36.48001776	.00089878	00000-0	00000-0	0	00137
2	11259	51.6615			247.6118	0006770	304.2804	55.6112	15.85706758	826

1	112590	79008	A	79	37.80337434	.00107374	00000-0	00000-0	0	00140
2	11259	51.6582			240.7107	0007213	310.2803	49.8659	15.85994279	1032

1	112590	79008	A	79	38.30741016	.00107374	00000-0	00000-0	0	00152
2	11259	51.6378			238.0904	0059840	127.7958	232.6268	15.84411478	1116

1	112590	79008	A	79	38.43358861	.00107374	00000-0	00000-0	0	00169
2	11259	51.6487			237.4383	0036544	357.0790	353.6076	15.63728348	1136

1	112590	79008	A	79	38.62697417	.00107374	00000-0	00000-0	0	00174
2	11259	51.6337			236.5137	0014898	243.5544	117.7014	15.64881033	1167

1	112590	79008	A	79	39.39301878	.00015711	00000-0	00000-0	0	00186
2	11259	51.6550			232.6056	0013413	242.5611	117.0417	15.64853828	1281

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1	11259U	79008	A	79	40.47870583	.00040344	00000-0	00000-0	0	00192
2	11259	51.6580			227.0907	0013268	246.6740	113.4943	15.64964768	1452

1	11259U	79008	A	79	41.56419723	.00046853	00000-0	00000-0	0	00201
2	11259	51.6621			221.5848	0013089	241.6860	118.3188	15.65067219	1629

1	11259U	79008	A	79	43.35195759	.00046351	00000-0	00000-0	0	00217
2	11259	51.6635			212.5313	0012898	250.3740	109.5640	15.65231686	1900

1	11259U	79008	A	79	44.24577522	.00046552	00000-0	00000-0	0	00229
2	11259	51.6623			208.0050	0012946	252.7838	107.2011	15.65324361	2049

1	11259U	79008	A	79	45.77790843	.00046486	00000-0	00000-0	0	00249
2	11259	51.6589			200.2404	0012905	261.1398	99.7649	15.65454164	2284

1	11259U	79008	A	79	46.28659171	.00051278	00000-0	00000-0	0	00252
2	11259	51.6620			197.6531	0012548	263.6304	96.1379	15.65512474	2361

1	11259U	79008	A	79	47.58521320	.00047150	00000-0	00000-0	0	00277
2	11259	51.6598			191.1787	0012869	269.4272	90.5254	15.65638093	2560

1	11259U	79008	A	79	48.45879951	.00038789	00000-0	00000-0	0	00286
2	11259	51.6625			186.6496	0012511	272.9000	87.1428	15.65710218	2709

1	11259U	79008	A	79	49.28852311	.00055256	00000-0	00000-0	0	00298
2	11259	51.6635	182.4480	0012451	276.3529	83.6398	15.65804627			2834

1	11259U	79008	A	79	50.33967545	.00057939	00000-0	00000-0	0	00304
2	11259	51.6615	177.2670	0012876	283.3464	79.6469	15.65937353			2996

1	11259U	79008	A	79	51.13922503	.00059231	00000-0	00000-0	0	00312
2	11259	51.6587	173.3599	0012467	283.4792	76.4967	15.66033860			3124

1	11259U	79008	A	79	51.39447075	.00055038	00000-0	00000-0	0	00329
2	11259	51.6564	171.7678	0012341	284.4410	75.5152	15.66060316			3167

1	11259U	79008	A	79	52.28780945	.00062825	00000-0	00000-0	0	00339
2	11259	51.6605	167.2334	0012765	288.1174	71.8796	15.66175747			3304

1	11259U	79008	A	79	53.37247530	.00051024	00000-0	00000-0	0	00349
2	11259	51.6605	161.7295	0012186	292.2164	67.7581	15.66304759			3472

1	11259U	79008	A	79	54.96739765	.00059723	00000-0	00000-0	0	00365
2	11259	51.6599	153.6343	0011999	301.0100	58.9564	15.66536209			3726

1	11259U	79008	A	79	55.60530604	.00063896	00000-0	00000-0	0	00377
2	11259	51.6603	150.3975	0012505	305.2692	54.6777	15.66611492			3821

1	11259U	79008	A	79	56.30697479	.00067643	00000-0	00000-0	0	00383
2	11259	51.6607	146.8391	0012376	308.0863	51.9168	15.66711050			3938

1	11259U	79008	A	79	57.26371188	.00056924	00000-0	00000-0	0	00397
2	11259	51.6610	141.9781	0012765	311.2803	48.6589	15.66816315			4083

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parts. 2.

1	11259U	79008	A	79	58.22040245	.00068994	00000-0	00000-0	0	00403
2	11259	51.6610			137.1191	0012302	314.8990	45.1539	15.66952657	4232

1	11259U	79008	A	79	61.08992554	.00069216	00000-0	62528-3	0	00415
2	11259	51.6546			122.5318	0012189	325.5455	34.2145	15.67307811	4685

1	11259U	79008	A	79	62.17325614	.00062458	00000-0	00000-0	0	00426
2	11259	51.6592			117.0304	0012523	332.6242	27.3246	15.67435256	4854

1	11259U	79008	A	79	62.36513646	.00062316	00000-0	00000-0	0	00436
2	11259	51.6590			116.0592	0012421	333.3483	26.6887	15.67459601	4887

1	11259U	79008	A	79	63.32142171	.00077413	00000-0	00000-0	0	00441
2	11259	51.6627			111.2024	0013099	332.6875	27.3527	15.67596150	5033

1	11259U	79008	A	79	64.21387026	.00067178	00000-0	00000-0	0	00458
2	11259	51.6583			106.6579	0013049	340.7839	19.2023	15.67709748	5177

1	11259U	79008	A	79	65.36122827	.00059856	00000-0	00000-0	0	00465
2	11259	51.6583			100.8223	0012395	345.1307	14.8889	15.67844930	5354

1	11259U	79008	A	79	66.38102253	.00067923	00000-0	00000-0	0	00475
2	11259	51.6620			95.6404	0012744	349.7704	10.3592	15.67993111	5514

1	11259U	79008	A	79	66.82713520	.00069543	00000-0	00000-0	0	00489
2	11259	51.6597			93.3676 0012486	351.4637	8.6137	15.69053992		5586

1	11259U	79008	A	79	67.14578340	.00048557	00000-0	00000-0	0	00498
2	11259	51.6614			91.7478 0012631	350.2195	9.8709	15.68072969		5632

1	11259U	79008	A	79	69.31245752	.00059521	00000-0	00000-0	0	00502
2	11259	51.6596			80.7208 0012621	.5132	359.7991	15.68332389		5971

1	11259U	79008	A	79	70.45931716	.00079254	00000-0	00000-0	0	00517
2	11259	51.6584			74.3837 0012648	4.3334	355.8491	15.68495436		6154

1	11259U	79008	A	79	71.41495486	.00061480	00000-0	00000-0	0	00526
2	11259	51.6579			70.0178 0012005	7.9578	352.0675	15.68604082		6307

1	11259U	79008	A	79	72.11574203	.00062922	00000-0	00000-0	0	00532
2	11259	51.6582			66.4498 0012229	11.3252	348.7956	15.69695514		6417

1	11259U	79008	A	79	72.30685453	.00068197	00000-0	00000-0	0	00544
2	11259	51.6582			65.4764 0012127	12.0503	348.0764	15.68723668		6441

1	11259U	79008	A	79	73.70824293	.00061888	00000-0	00000-0	0	00557
2	11259	51.6565			58.3372 0011316	17.3684	342.7324	15.69900350		6667

1	11259U	79008	A	79	75.30055306	.00086510	00000-0	00000-0	0	00566
2	11259	51.6626			50.2234 0012469	25.5034	334.8036	15.69170589		6917

1	11259U	79008	A	79	80.20299080	.00076834	00000-0	00000-0	0	00580
2	11259	51.6569			25.2278 0012003	42.3288	317.8651	15.69990913		7685

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forts. 3

1	11259U	79008	A	79	79.69374012	.00078230	00000-0	00000-0	0	00571
2	11259	51.6569			27.8287 0012341	40.3906	319.6650	15.69911977		7607

1	11259U	79008	A	79	80.71219237	.00079123	00000-0	00000-0	0	00586
2	11259	51.6559			22.6290 0011665	44.2648	315.9376	15.70074729		7765

1	11259U	79008	A	79	81.22136429	.00058821	00000-0	00200-0	0	00597
2	11259	51.6608			20.0356 0012148	48.0466	312.1178	15.70129174		7845

1	11259U	79008	A	79	82.17602992	.00094817	00000-0	00000-0	0	00602
2	11259	51.6605			15.1596 0011351	50.6200	309.7920	15.70334409		7995

1	11259U	79008	A	79	84.27577531	.00103783	00000-0	00000-0	0	00619
2	11259	51.6601			4.4322 0011231	58.3449	301.7863	15.70726062		8321

1	11259U	79008	A	79	85.16644540	.00090350	00000-0	70174-3	0	00621
2	11259	51.6643			359.8828 0011672	60.9549	299.1663	15.70874858		8465

1	11259U	79008	A	79	86.69311045	.00093034	00000-0	00000-0	0	00632
2	11259	51.6596			352.0851 0010763	66.1492	294.1409	15.71169114		8701

1	11259U	79008	A	79	87.45630952	.00092546	00000-0	00000-0	0	00646
2	11259	51.6576			348.1847 0010161	69.0539	291.1490	15.71310007		8825

1	11259U	79008	A	79	89.30046262	.00113295	00000-0	84733+3	0	00651
2	11259	51.6572			338.7554	0011006	77.3963	282.9083	15.71690177	9111

1	11259U	79008	A	79	90.25412451	.00074322	00000-0	00000-0	0	00664
2	11259	51.6512			333.8769	0010091	81.0302	279.0726	15.71844423	9263

1	11259U	79008	A	79	91.65272172	.00074322	00000-0	00000-0	0	00685
2	11259	51.6624			326.6660	0009210	96.4154	272.7548	15.71938944	9480

1	11259U	79008	A	79	92.22504361	.00175958	00000-0	00000-0	0	00695
2	11259	51.6572			323.8069	0009978	96.3904	264.1264	15.72223907	9574

79-008B

Kosmos 1074 raket

1	11260U	79008B	79	31.67512925	.02096106	00000-0	00000-0	0	00017
2	11260	51.4924	273.1353	0034539	330.3499	29.5518	16.21760729		52

1	11260U	79008B	79	31.98278446	.02096106	00000-0	00000-0	0	00030
2	11260	51.6031	271.5146	0029279	106.4214	253.9983	16.24032646		105

1	11260U	79008B	79	32.59667441	.04177571	00000-0	00000-0	0	00052
2	11260	51.6050	268.1021	006269	91.7654	268.5166	16.30380138		206

1	11260U	79008B	79	33.22558992	.05973988	00000-0	00000-0	0	00064
2	11260	51.6033	265.6970	0000000	94.3030	270.0494	16.35867927		273

1	11315U	79008B	C 79	90.69836983	.02074322	00000-0	00000-0	0	00036
2	11315	51.5765	331.7443	0007896	146.1966	213.9532	15.77968477		9331

1	11316U	79008	D	79	90.76250415	.00074322	00000-0	00000-0	0	00024
2	11316	51.6486	331.2737	0006745	48.1205	312.0199	15.72767168	9343		
1	11316U	79008	D	79	91.71550872	.00074322	00000-0	00000-0	0	00042
2	11316	51.6615	326.3933	0007497	70.7412	289.7735	15.73157169	9492		
1	11316U	79008	D	79	92.22362536	.00213498	00000-0	00000-0	0	00056
2	11316	51.6598	323.7801	0005750	81.5850	278.8467	15.73432681	9579		
1	11316U	79008	D	79	95.14397591	.00246698	00000-0	15935-2	0	00064
2	11316	51.6574	308.7866	0005541	92.3695	267.7958	15.74739613	10033		
1	11317U	79008	E	79	90.88989035	.00074322	00000-0	00000-0	0	00014
2	11317	51.6686	330.6528	0019537	161.7150	210.7318	15.85239793	9362		
1	11317U	79008	E	79	90.98774005	.00074322	00000-0	00000-0	0	00024
2	11317	51.6561	330.6092	0019538	161.7614	198.4479	15.85062110	9363		
1	11316U	79008	D	79	98.69573225	.00187365	00000-0	00000-0	0	00078
2	11316	51.6497	290.5037	0002608	106.4863	250.8116	15.76064656	10590		
1	11318U	79008	F	79	91.01703515	.00074322	00000-0	00000-0	0	00018
2	11318	51.6603	329.9672	0011420	96.4556	265.0440	15.72713304	9382		
1	11318U	79008	F	79	90.95326849	.00074322	00000-0	00000-0	0	00033
2	11318	51.6541	330.2662	0011460	96.2395	263.9986	15.72673325	9379		
1	11319U	79008	G	79	99.97163751	.00182012	00000-0	00000-0	0	00043
2	11319	51.6573	284.0132	0003062	115.5614	243.6862	15.75212393	10794		
1	11319U	79008	G	79	92.22504361	.00175958	00000-0	00000-0	0	00018
2	11319	51.6572	323.8069	0009977	96.3803	264.1264	15.72223906	9578		

79-008 fragment

1 11316U 79008 D 79106.04466886 .00224166 00000-0 11996-2 0 00081
2 11316 51.6550 252.5968 0003029 109.9505 251.0258 15.79071824 11757

1 11316U 79008 D 79122.58647980 .00279298 00000-0 00000-0 0 00092
2 11316 51.6310 166.5256 0018073 112.1980 249.0485 15.86961477 14362

1 11319U 79008 G 79106.43790429 .00196176 00000-0 00000-0 0 00058
2 11319 51.6583 250.7201 0003229 136.2427 224.6563 15.77684063 11819

79-009

ECS 1

Lpp - den 6 februari 1979

79-010 A

Kosmos 1075

1	11262U	79 010 A	79 39.59940247	.00005551	00000-0	00000-0	0	00017
2	11262	65.8248	262.7798 0037801	357.2651	346.6228	15.25526998		37
1	11262U	79 010 A	79 39.66794721	.00005551	00000-0	00000-0	0	00020
2	11262	65.8264	262.4873 0031240	351.2102	7.4730	15.23856386		47

1	11262U	79 010 A	79 40.98276941	.00027224	00722-0	00000-0	0	00036
2	11262	65.8252	264.3680 0031403	349.8297	10.2155	15.23918936		241

1	11262U	79 010 A	79 43.54220889	.00021672	00002-0	00000-0	0	00054
2	11262	65.8239	256.3252 0031101	348.8495	11.1903	15.23985017		634

1	11262U	79 010 A	79113.51066397	.00016678	00000-0	63320-3	0	00780
2	11262	65.8246	36.1198 0037324	310.9769	48.8097	15.26296109		11301

1	11262U	79 010 A	79113.90382190	.00016660	00000-0	63280-3	0	00792
2	11262	65.8247	34.8802 0037357	310.7939	49.0014	15.26283824		11367

79-011A

Kosmos 1076

1	11266U	79011	A	79	43.59928980	.00003978	00000-0	00000-0	0	00018
2	11266	82.5396			3.8143 0017531	310.4100	50.9165	14.71963542		15

1	11266U	79011	A	79	43.66701022	.00003978	00000-0	00000-0	0	00023
2	11266	82.5239			3.7483 0023561	292.1513	68.1266	14.73542077		22

1	11266U	79011	A	79	44.48179278	.00003978	00000-0	00000-0	0	00037
2	11266	82.5336			2.9760 0020689	281.4508	78.5019	14.73574866		148

79-012A

Kosmos 1077

1	11269U	79012	A	79	45.02978603	.00027754	00000-0	00000-0	0	00017
2	11269	81.2377			132.4929	0024576	189.4975	170.0740	14.79204164	25

1	11269U	79012	A	79	45.02889921	.00027754	00000-0	00000-0	0	00010
2	11268	81.2387			132.4933	0005709	257.5729	97.7543	14.80860990	24

1	11269U	79012	A	79	46.38239545	.00170028	00000-0	00000-0	0	00046
2	11269	81.2513			131.0333	0076587	179.6257	181.1635	14.79912431	222

1	11268U	79012	A	79	46.36114348	-.00019028	00000-0	00000-0	0	00043
2	11268	81.2326			131.2266	0005046	246.2623	113.7220	14.80852456	224

1	11269U	79012	A	79	45.43574233	.00027754	00000-0	00000-0	0	00024
2	11269	81.2511			132.0568	0048433	190.2801	170.2327	14.79489321	84

1	11269U	79012	A	79	45.77380472	.00027754	00000-0	00000-0	0	00032
2	11269	81.2465			131.6786	0069729	177.2823	183.1336	14.79582049	130

1 11268U 79012 A 79 45.77302936 .00027754 00000-0 00000-0 0 00029
2 1126E 81.2284 131.7008 0005523 255.1926 104.7850 14.80871492 133

79-013A

(SAGE)

1	11270U	79	013	A	79	49.79237465	.00000000	00000-0	00000-0	0	00017
2	11270	54.9293	173.3074	0080252	248.5127	111.9589	14.87799263				28
1	11270U	79	013	A	79	54.48398051	.00000000	00000-0	00000-0	0	00023
2	11270	54.9269	170.5160	0090898	250.8345	108.2997	14.87769188				127

79-14A

Corsa-B

Upp: 21 feb från Uchinoura.

1	11272U	79014	A	79	73.52757472	.877011521	30200-0	10000-0	? 43071
2	11272	29.8977	139.8975	3221573	311.9485	47.9667	15.03668427	3221	

79-015 A

Ekran-Stationar 5

1	112750	79015	C	79	53.35731255	.05915299	00000-0	00000-0	0	00051
2	11275	51.6063		271.5953	0009913	197.6127	162.5542	16.39753195		178
1	112740	79015	B	79	52.68546007	.02633550	00000-0	00000-0	0	00036
2	11274	51.6077		275.3763	0005971	228.4807	131.6041	16.32774586		60
1	112740	79015	A	79	52.44103003	.02941251	00000-0	00000-0	0	00011
2	11274	51.5866		276.7572	0012649	147.7389	214.2291	16.29833276		25

79-016A

1	11276U	79016	A	79	53.56116851	.00068819	00000-0	00000-0	0	00013
2	11276	72.8475	338.9356	0084394	87.7854	276.8337	16.18301801			11
1	11276U	79016	A	79	54.11639348	.00068819	00000-0	00000-0	0	00022
2	11276	72.8654	337.4777	0084081	86.4102	275.1653	16.19849504			107
1	11276U	79016	A	79	54.17870650	.00068819	00000-0	00000-0	0	00026
2	11276	72.8610	337.3507	0084429	87.5293	274.1777	16.18916956			111
1	11276U	79016	A	79	54.48757618	.00068819	00000-0	00000-0	0	00039
2	11276	72.8505	336.5241	0072418	90.1287	272.2791	16.21772488			162
1	11276U	79016	A	79	55.16586863	.00614215	25011-3	14134-3	0	00043
2	11276	72.8552	334.7492	0072194	88.4273	273.3753	16.22586166			277
1	11276U	79016	A	79	56.33666469	.00613756	00000-0	00000-0	0	00056
2	11276	72.8621	331.6757	0068452	84.2553	276.5281	16.24006539			466
1	11276U	79016	A	79	57.32194933	.00663058	00000-0	00000-0	0	00069
2	11276	72.8591	329.0951	0063522	81.7715	279.1962	16.25308130			620

1	11276U	79016	A	79	58.30637385	.00769354	00000-0	00000-0	0	00079
2	11276	72.8556	326.5037	0061989	81.3396	279.7501	16.26814525			787
1	11276U	79016	A	79	59.90400475	.00831179	00000-0	00000-0	0	00089
2	11276	72.8557	322.2857	0055921	75.5753	285.6333	16.29462476			1048
1	11276U	79016	A	79	60.51763654	.00909341	67470-3	12004-3	0	00099
2	11276	72.3595	320.6649	0053742	73.9275	287.0477	16.30659498			1141

79-017A

Solwind

1	11278U	79017	A	79	55.38778295	.00000000	00000-0	00000-0	0	00012
2	11278	97.6634	333.7189	0027714	307.0327	40.8386	14.95395856			19
1	11278U	79017	A	79	56.25988552	.00080689	00000-0	00000-0	0	00020
2	11278	97.6463	334.5730	0027713	304.1162	55.4626	14.95287153			146
1	11278U	79017	A	79	62.21375732	.00086155	00000-0	00000-0	0	00038
2	11278	97.6592	340.3921	0023442	284.1986	72.9816	14.95796502			1038

79-018 A

Soyuz 32

1	11281U	79018	A	79	56.67265382	.00096106	00000-0	00000-0	0	00015
2	11281	51.5919			342.0219	0047756	79.3666	279.8964	16.18143927	35
1	11281U	79018	A	79	56.79666199	.00030313	00000-0	43731-4	0	00020
2	11281	51.6300			341.4466	0027069	215.5209	144.3726	16.04204900	54
1	11281U	79018	A	79	56.85895878	.00108009	00000-0	43731-4	0	00039
2	11281	51.5922			341.0537	0045172	80.3005	283.9190	16.09730780	62
1	11281U	79018	A	79	56.98164333	.00108009	00000-0	00000-0	0	00042
2	11281	51.6369			340.4505	0030705	217.7452	131.7966	16.05221621	86
1	11281U	79018	A	79	57.54369029	.00108009	00000-0	00000-0	0	00050
2	11281	51.6235			337.3914	0012738	83.3794	275.9261	15.28125716	175
1	11281U	79018	A	79	58.55057044	.00183496	00000-0	00000-0	0	00067
2	11281	51.6299			332.1415	0009410	111.3499	255.2839	15.90201137	336
1	11281U	79018	A	79	69.26095674	.00173881	00000-0	00000-0	0	00111
2	11281	51.6316			276.1333	0020761	352.2777	8.9692	15.86184591	203E

1 11281U 79018 A 79 75.3053186^e .00251943 00000-0 00000-0 0 00142
2 11281 51.6273 244.4815 0022344 18.2935 341.6209 15.88228331 2996

1 11281U 79018 A 79 90.25389811 .00156937 00000-0 00000-0 0 00123
2 11281 51.6222 165.8049 0045755 86.0087 255.8891 15.87720355 5377

1 11281U 79018 A 79 155.68662036 .00060347 00000-0 00000-0 0 00319
2 11281 51.6261 187.8388 0007118 30.1479 330.6728 15.79485431 15709

79-019A

Kosmos 1079

1	11283U	79019	A	79	58.74017053	.00000000	00000-0	00000-0	0	00011
2	11283	67.1423			8.0051 0125115	65.8406	295.0815	16.07273046		26
1	11283U	79019	A	79	58.86471318	.00000000	00000-0	00000-0	0	00023
2	11283	67.1299			7.5638 0122584	64.4069	297.0893	16.07555888		46
1	11283U	79019	A	79	59.67352038	.00745412	00000-0	00000-0	0	00034
2	11283	67.1346			4.8283 0119219	64.2754	299.1382	16.08856887		179
1	11283U	79019	A	79	60.35677944	.00800525	00000-0	00000-0	0	00044
2	11283	67.1375			2.5135 0115920	63.9407	297.5418	16.09996641		285
1	11283U	79019	A	79	60.66751410	.00800525	00000-0	00000-0	0	00059
2	11283	67.1339			1.4528 0106151	64.8358	298.1796	16.13138151		332
1	11283U	79019	A	79	61.84434635	.00973938	00000-0	00000-0	0	00069
2	11283	67.1370			357.4447 0098093	63.2764	298.7596	16.15448552		526
1	11283U	79019	A	79	62.33934273	.01003994	00000-0	00000-0	0	00073
2	11283	67.1370			355.7539 0094153	62.7428	298.4309	16.16477087		607

1 11283U 79019 A 79 63.14326548 .01215133 94649-3 30124-3 0 00084
2 11283 67.1377 353.0064 0091022 62.1643 299.1328 16.19353118 736

1 11283U 79019 A 79 63.32859902 .01191403 00000-0 -00000-0 0 00095
2 11283 67.1362 352.3669 0089184 61.9674 299.1178 16.18833698 762

1 11283U 79019 A 79 64.62452281 .01567099 00000-0 00000-0 0 00120
2 11283 67.1367 347.8944 0124172 65.1284 288.9083 16.11735602 975

1 11283U 79019 A 79 65.12199013 .01167418 00000-0 00000-0 0 00139
2 11283 67.1280 346.2253 0118853 66.8113 294.1104 16.12855508 1055

1 11283U 79019 A 79 66.29929259 .01355563 00000-0 00000-0 3 00142
2 11283 67.1281 342.2095 0111464 65.6121 296.1196 16.15957751 1243

1 11283U 79019 A 79 67.22688595 .01355563 00000-0 00000-0 0 00152
2 11283 67.1305 339.0357 0133661 76.4691 281.4820 16.09492708 1396

1 11283U 79019 A 79 67.78652477 .01355563 00000-0 00000-0 0 00164
2 11283 67.1385 337.1210 0127461 75.8905 285.2233 16.10698173 1489

1 11283U 79019 A 79 69.15147062 .01248302 00000-0 00000-0 0 00180
2 11283 67.1350 332.4916 0118300 74.6565 287.1699 16.13906492 1704

1 11283U 79019 A 79 69.64698368 .01152633 00000-0 00000-0 0 00196
2 11283 67.1267 330.8056 0115194 74.0883 287.1331 16.15024295 1788

1 11283U 79019 A 79 69.95659685 .01152633 00000-0 00000-0 0 00200
2 11283 67.1282 329.7451 0112282 73.7587 288.0763 16.16389136 1837

1 11283U 79019 A 79 70.08024512 .01152633 00000-0 00000-0 0 00213
2 11283 67.1313 329.3283 0111120 73.6192 287.8853 16.17184022 1859

79-20A

Interkosmos 19

1	11285U	79020	A	79	58.83714765	.00012001	00000-0	00000-0	0	00013
2	11285	73.9982		59.7913	0334052	166.9304	204.9170	14.50200003		27
1	11285U	79020	A	79	58.97304154	.00012001	00000-0	00000-0	0	00026
2	11285	73.9714		59.5553	0339259	163.5714	194.2551	14.43722824		47
1	11285U	79020	A	79	60.01311794	.00005394	00000-0	00000-0	0	00030
2	11285	73.9796		57.6299	0344141	162.1237	200.8409	14.44154239		197
1	11285U	79020	A	79	159.65313212	.00002084	00000-0	00000-0	0	00208
2	11285	73.9957		231.1525	0340347	311.8912	45.3617	14.45183059		14598

79-21A

Meteor 2-04

1	11298U	79 021 A 79	60.77277579	.00000590	00000-0	00000-0	0	00010
2	11298	81.2112 104.3554	0064902	279.9307	82.5844	14.13179219		05

1	11298U	79 021 A 79	60.84296113	.00000590	00000-0	00000-0	0	00029
2	11298	81.2153 104.2452	0041695	272.7462	85.7237	14.07988543		17

1	11298U	79 021 A 79	61.76700709	.00000590	00000-0	00000-0	0	00038
2	11298	81.2151 103.3382	0060870	240.1322	120.3320	14.08222317		141

1	11298U	79 021 A 79	61.83786931	.00000589	00000-0	00000-0	0	02046
2	11298	81.2221 103.2573	0040227	282.3693	75.9832	14.07958461		157

79-022A

Progress 5

1	11292U	79022	A	79	71.41849215	.00096106	00000-0	00000-0	0	00019
2	11292	51.6509			265.1365	0055702	100.4669	260.1454	16.19947981	34

1	11292U	79022	A	79	71.72694053	.00096106	00000-0	00000-0	0	00022
2	11292	51.6268			263.3883	0023996	241.5221	104.6257	16.00309550	86

1	11292U	79022	A	79	72.41518133	.00096106	00000-0	00000-0	0	00035
2	11292	51.6188			259.6990	0023462	275.6251	83.6552	15.99079547	196

1	11292U	79022	A	79	73.47858766	.00096106	00000-0	00000-0	0	00041
2	11292	51.6178			254.0573	0023336	4.3789	346.4517	15.87525554	366

1	11292U	79022	A	79	90.24637476	.00177423	00000-0	00000-0	0	00073
2	11292	51.6247			165.8477	0045049	84.9688	213.9832	15.87721922	3021

1	11292U	79022	A	79	93.91561780	.00070793	00000-0	00000-0	0	00087
2	11292	51.6585			146.7129	0018161	297.4271	62.9835	15.77138841	87144

1	11292U	79022	A	79	93.97889295	.00070793	00000-0	00000-0	0	00098
2	11292	51.6178			146.3535	0018123	297.7033	62.2671	15.77224800	87159

1	11292U	79022	A	79	94.16895989	.00070793	20000-0	20000-0	0	00109
2	11292	51.6330			145.3940	2013120	304.4574	55.3655	15.77139833	87185

79-23A

Kosmos 1080

1	11294U	79-023	A	79	73.50561296	.00068819	00000-0	00000-0	0	00015
2	11294	72.8379			338.6222	0087173	86.1381	279.4210	16.17982812	13
1	11294U	79-023	A	79	74.12420793	.00068819	00000-0	00000-0	0	00032
2	11294	72.8502			337.0096	0094729	87.3731	274.1296	16.16210160	118
1	11294U	79-023	A	79	74.55744489	.00068819	00000-0	00000-0	0	00041
2	11294	72.8602			335.8571	0059190	86.6225	282.2722	16.25343397	136
1	11294U	79-023	A	79	75.29465997	.00681999	00000-0	00000-0	0	00058
2	11294	72.8484			333.9269	0054818	86.9725	275.0507	16.26361913	307
1	11294U	79-023	A	79	76.46261176	.00725074	00000-0	00000-0	0	00065
2	11294	72.8586			330.8416	0051500	83.1161	277.6688	16.28042141	497
1	11294U	79-023	A	79	77.13333789	.00819229	00000-0	00000-0	0	00070
2	11294	72.8519			329.7601	0049353	80.6150	283.2863	16.29191091	600

1 11294U 79-023 A 79 78.19165039 .00831388 0000-0 0000-0 0 00080
2 11294 72.8529 326.3094 0046119 79.2259 281.5348 16.31008202 772

1 11294U 79-023 A 79 78.42694845 .00749850 44602-3 12631-3 0 00092
2 11294 72.8511 325.6711 0061633 67.7238 290.2351 16.27260179 812

1 11294U 79-023 A 79 79.22635740 .00872672 00000-0 00000-0 0 00106
2 11294 72.8472 323.5587 0056669 67.0598 293.9545 16.28660688 940

1 11294U 79-023 A 79 80.82201192 .00974453 00000-0 00000-0 0 00115
2 11294 72.8488 319.3300 0050697 62.3650 298.4932 16.31645554 1204

1 11294U 79023 A 79 81.12848444 .00974453 00000-0 00000-0 0 00126
2 11294 72.8466 318.5324 0092436 86.2359 269.8080 16.19909770 1255

1 11294U 79023 A 79 81.74670778 .00645630 00000-0 00000-0 0 00130
2 11294 72.8506 316.9125 0089897 84.9116 275.5351 16.20612318 1351

1 11294U 79023 A 79 82.73413273 .00720498 00000-0 00000-0 0 00141
2 11294 72.8530 314.3282 0084700 82.4457 279.1070 16.22093251 1510

1 11294U 79023 A 79 83.41226658 .00752825 00000-0 00000-0 0 00157
2 11294 72.8529 312.5433 0082388 80.2776 280.8724 16.23142016 1629

1 11294U 79023 A 79 84.02841904 .00829073 00000-0 00000-0 0 00163
2 11294 72.8507 310.9394 0079622 79.7083 281.4885 16.24109273 1727

1 11294U 79023 A 79-84.95186895 .00943897 00000-0 00000-0 0 00178
2 11294 72.8476 308.5117 0075267 76.9728 284.1985 16.25907599 1870

1 11294U 79023 A 79 85.81281683 .00996970 00000-0 00000-0 0 00186
2 11294 72.8494 306.2454 0068657 74.5910 286.5540 16.27666801 2011

79-23A

Kosmos 1080

forts. 1

1	11294U	79023	A	79	86.42717093	.01094977	00000-0	00000-0	0	00190
2	11294	72.8543	304.6246	0067076	72.3851	298.7562	16.29087679	2112		

79-24A

Kosmos 1081-1088

1	11296U	79024	A	79	74.26517735	.00007297	30000-0	30000-0	0	30012
2	11296	74.0335	224.7191	0037725	94.2390	264.5354	12.56955628			20

79-25A

Big Bird [Titan 3D]

1	11305U	79025	A	79	76.11840180	.00000000	00000-0	00000-0	00020
2	11305	96.3922			147.5596	0065499	136.9002	224.9115	16.28041517 69

1	11305U	79025	A	79	76.73460122	.00730227	00000-0	00000-0	00034
2	11305	96.4054			148.1780	0072220	138.4491	219.6331	16.24808456 168

1	11305U	79025	A	79	77.41232464	.00791964	00000-0	00000-0	00042
2	11305	96.3993			148.8413	0067172	135.0284	225.7957	16.25910081 275

1	11305U	79025	A	79	77.92637959	.00791964	00000-0	00000-0	00050
2	11305	96.3896			149.3847	0067067	148.0151	211.4637	16.22524307 300

1	11305U	79025	A	79	78.52100573	.00676701	35416-3	16780-3	00060
2	11305	96.4081			149.9456	0066185	145.7420	214.1872	16.23120995 450

79-26A

Kosmos 1089

1	11308U	79026	A	79	80.23632012	.00001612	00000-0	00000-0	0	00019
2	11308	82.9703	269.5399	0014613	287.6884	81.6172	13.73656568			11

79-27A

Kosmos 1090

1	11313U	79 027 A 79	90.56465656	.00068819	00000-0	00000-0	0	00018
2	11313	72.8545	353.9617 0096242	72.3908	290.0135	16.03440198		26

1	11313U	79 027 A 79	91.50028557	.00171755	00000-0	00000-0	0	00023
2	11313	72.8500	351.5823 0094415	70.4875	291.1764	16.03838889		17

1	11313U	79 027 A 79	92.49811211	.00232395	00000-0	19494-3	0	00038
2	11313	72.8479	349.0433 0093734	68.0475	293.3115	16.04309481		336

1	11313U	79 027 A 79	93.43331382	.00266451	00000-0	00000-0	0	00040
2	11313	72.8483	346.6502 0091696	65.8133	295.2843	16.04782551		480

1	11313U	79 027 A 79	94.11896804	.00237198	00000-0	00000-0	0	00058
2	11313	72.8476	344.9007 0091378	64.2153	296.5737	16.05049411		595

1	11313U	79 027 A 79	96.17525748	.00244031	00000-0	00000-0	0	00067
2	11313	72.8493	339.6477 0088607	59.0050	302.0175	16.06034259		926

1 11313U 79 027 A 79 97.10948506 .00223552 00000-0 00000-0 0 00078
2 11313 72.8510 337.2507 0087921 56.3842 304.4435 16.06439253 1076

1 11313U 79 027 A 79 98.41705289 .00224277 00000-0 00000-0 0 00088
2 11313 72.8506 333.9187 0086626 53.4287 307.4217 16.07016545 1280

79-28A

Kosmos 1091

1	11320U	79028	A	79	97.32429697	.00001612	00000-0	00000-0	0	00011
2	11320	82.9054		317.9002	0045541	278.1485	89.1321	13.76344449		13
1	11320U	79028	A	79	97.46813918	.00001612	00000-0	00000-0	0	00020
2	11320	82.9315		317.7645	0029595	277.0063	81.0432	13.72902212		35

79-29A

Soyuz 33

1	11324U	79 029 A	79100.84812325	.00064323	00000-0	00000-0	0	00013
2	11324		51.6061 111.2060 0050871	77.5366	283.1438	16.17172448		21

1	11324U	79 029 A	79101.09527288	.00064323	00000-0	00000-0	0	00020
2	11324		51.6382 109.9286 0051012	254.7491	96.0777	15.98435867		62

1	11324U	79 029 A	79101.47188681	.00064323	00000-0	00000-0	0	00033
2	11324		51.6402 107.9242 0050811	256.2439	103.4737	15.98628510		125

1	11324U	79 029 A	79101.65938431	.00064323	00000-0	00000-0	0	00040
2	11324		51.6347 106.9294 0044231	266.3617	91.3898	15.95895943		157

1	11324U	79 029 A	79101.84755571	.00064323	00000-0	00000-0	0	00054
2	11324		51.6308 105.9785 0048354	222.4193	132.4816	15.83116517		180

1	11324U	79 029 A	79102.41649717	.00064323	00000-0	00000-0	0	00063
2	11324		51.6398 102.9854 0045302	223.6553	135.3060	15.82818833		275

79-030A

Kosmos 1092

1	11326U	79 030 A	79102.16731153	.00001612	00000-0	00000-0	0	00025
2	11326	82.9479	195.1823	0028926	290.9378	65.6623	13.73500583	44

79-031A

Molniya 1AU

1	11328U	79031	A	79102.58295031	.00000018	00000-0	30000-0	0	00010
2	11328	62.9113	156.4038	7406054	288.2823	10.1463	1.95830963		26

79-032A

Kosmos 1093

1	11331U	79032	A	79104.21764979	.00027754	00000-0	00000-0	0	00015
2	11331	81.2335		307.6559 0020681	300.2510	56.2765	14.83450504		01
1	11331U	79032	A	79104.42063471	.00027754	00000-0	00000-0	0	00028
2	11331	81.2493		307.3843 0009547	307.9675	50.2266	14.80820904		38

79-033A

Kosmos 1094

1	11333U	79 033 A	79108.62122007	.00004983	00000-0	00000-0	0	00016
2	11333	65.0159	50.5646 0013319	256.5188	103.9419	15.43472030		26

1	11333U	79 033 A	79109.00994416	.00004983	00000-0	00000-0	0	00032
2	11333	65.0455	59.2652 0013302	256.3544	103.6192	15.43298763		83

1	11333U	79 033 A	79110.11166410	.00218710	00000-0	00000-0	0	00057
2	11333	65.0373	55.6069 0011156	271.9630	98.2952	15.43461023		250

1	11333U	79 033 A	79109.26917784	.00004983	00000-0	00000-0	0	00044
2	11333	65.0411	58.4198 0014000	270.2946	89.6543	15.43168030		129

1	11333U	79 033 A	79111.73111156	-.00000963	00000-0	00000-0	0	00065
2	11333	65.0363	50.2016 0012226	271.4716	86.3305	15.43429647		506

1	11333U	79 033 A	79112.44345496	.00022256	00000-0	00000-0	0	00069
2	11333	65.0374	47.8286 0012086	267.7585	87.7766	15.43450950		614

1	11333U	79 033 A	79112.57383333	.00022266	00000-0	00000-0	0	00076
2	11333	65.0384	47.3892 0012178	270.3706	89.5992	15.43480637		638

1	11333U	79 033 A	79113.02738631	-.00024040	00000-0	00000-0	0	00086
2	11333	65.0366	45.8847 0011993	270.6134	89.1643	15.43405982		700

1	11333U	79 033 A	79113.54578271	-.00024040	00000-0	00000-0	0	00096
2	11333	65.0392	44.1505 0014582	265.7393	94.2033	15.43387043		786

1	11333U	79 033 A	79113.93456615	-.00024040	00000-0	00000-0	0	00108
2	11333	65.0382	42.8587 0011096	276.8219	83.1611	15.43391342		640

1	11333U	79 033 A	79114.58251441	-.00024040	00000-0	00000-0	0	00111
2	11333	65.0371	40.6897 0012385	271.6733	88.2941	15.43397635		948

1	11333U	79 033 A	79114.97128892	-.00024040	00000-0	00000-0	0	00128
2	11333	65.0355	39.3933 0011614	267.0324	92.9441	15.43394043		1000

1	11333U	79 033 A	79115.87843142	-.00024040	00000-0	00000-0	0	00131
2	11333	65.0415	36.3702 0010982	270.0715	89.9120	15.43387260		1141

1	11333U	79 033 A	79118.53504646	-.00024040	00000-0	00000-0	0	00141
2	11333	65.0271	27.5184 0013747	277.5734	82.3798	15.43366226		1554

1	11333U	79 033 A	79122.22836556	.00000382	00000-0	00000-0	0	00164
2	11333	65.0394	15.1887 0012133	269.1119	90.8584	15.43435873		2121

1	11333U	79 033 A	79125.14416716	.00000264	00000-0	94522-5	0	00176
2	11333	65.0393	5.4741 0010994	269.4454	89.9199	15.43378825		2572

79-33A

Kosmos 1094 forts. 1

1	11333U	79 033 A	79128.38414492	.00000258	00000-0	84522-5 0	00198
2	11333	65.0336	354.6562 0011750	274.6139	85.3612	15.43392873	3073

1	11333U	79 033 A	79128.83771116	.00000259	00000-0	84522-5 0	00199
2	11333	65.0389	353.1605 0015054	291.2054	68.7431	15.43405510	3140

1	11333U	79 033 A	79129.55042737	.00000258	00000-0	84522-5 0	00200
2	11333	65.0405	350.7833 0011247	271.3599	68.1207	15.43475545	3254

1	11333U	79 033 A	79130.00398992	.00000260	00000-0	84522-5 0	00213
2	11333	65.0391	349.2655 0011443	272.3669	87.1115	15.43467431	3323

1	11333U	79 033 A	79130.91111291	.00000260	00000-0	84522-5 0	00229
2	11333	65.0380	346.2402 0011767	271.0613	88.9133	15.43457436	3465

1	11333U	79 033 A	79131.88303751	.00000259	00000-0	84522-5 0	00239
2	11333	65.0391	342.9992 0012098	270.7007	89.2700	15.43447056	3613

1	11333U	79 033 A	79132.85496935	.00000259	00000-0	84522-5 0	00245
2	11333	65.0342	339.7498 0011569	272.9992	86.9777	15.43436471	3766

1	11333U	79 033 A	79136.61313006	-.00014479	00000-0	00000-0	0	00266
2	11333	65.0400	327.2214	0011593	272.9256	87.1183	15.43406549	4340

1	11333U	79 033 A	79137.90906555	-.00014479	00000-0	00000-0	0	00298
2	11333	65.0385	322.9023	0011658	276.1585	93.8181	15.43400597	4542

1	11333U	79 033 A	79138.42743699	-.00014479	00000-0	00000-0	0	00295
2	11333	65.0370	321.1684	0012006	276.3571	83.6155	15.43397535	4624

1	11333U	79 033 A	79138.88101335	-.00014479	00000-0	00000-0	0	00302
2	11333	65.0394	319.6561	0011831	276.9026	83.0721	15.43398301	4604

1	11333U	79 033 A	79139.59378645	-.00014479	00000-0	00000-0	0	00312
2	11333	65.0370	317.2892	0011927	276.5837	82.1259	15.41757910	4806

1	11333U	79 033 A	79140.43727952	.00428210	00000-0	00000-0	0	00328
2	11333	65.0428	314.4975	0009293	274.6972	84.2887	15.41678567	4934

1	11333U	79 033 A	79141.41224861	-.00013974	00000-0	00000-0	0	00335
2	11333	65.0412	311.2558	0011887	282.6367	75.3133	15.41495917	5087

1	11333U	79 033 A	79143.61647882	.00011105	00000-0	00000-0	0	00347
2	11333	65.0414	303.9293	0012505	284.1250	77.0129	15.41672872	5427

1	11333U	79 033 A	79144.84874440	.00011105	00000-0	00000-0	0	00356
2	11333	65.0427	299.8307	0012949	278.9154	91.0472	15.41728935	5615

1	11333U	79 033 A	79149.32402524	.00030445	00000-0	00000-0	0	00396
2	11333	65.0411	284.9427	0012932	284.7593	75.2145	15.42055564	6301

79-033A

Kosmos 1094

forts. 2.

1	11333U	79 033 A	79153.92822104	.00030445	00000-0	00000-0	0 00410
2	11333	65.0417	269.6183 0013119	286.4186	73.5465	15.42337902	7015
1	11333U	79 033 A	79154.96565857	.00030445	00000-0	00000-0	0 00425
2	11333	65.0420	266.1628 0012565	290.8443	69.1304	15.42411931	7179
1	11333U	79033 A	79156.00302500	.00049508	11769-4	00000-0	0 00424
2	11333	65.0438	262.7126 0012738	288.7744	71.1966	15.42531651	7332

79-34 A

Kosmos 1095

1	11335U	79 034 A	79110.53335279	.01024295	00000-0	00000-0	0	00018
2	11335	72.8495	25.0602 0136398	85.4313	274.7112	15.95219630		15
1	11337U	79 034 A	79110.59632962	.01024295	00000-0	00000-0	0	00015
2	11337	72.8750	25.0179 0109477	86.8554	277.3405	16.02028390		24
1	11335U	79 034 A	79111.16074912	.00180314	00000-0	00000-0	0	00048
2	11335	72.8442	23.4775 0135096	84.4225	277.2461	15.95340262		117
1	11335U	79 034 A	79111.47427807	.00180314	00000-0	00000-0	0	00059
2	11335	72.8544	22.7073 0044824	169.7869	169.2738	15.60691613		165
1	11335U	79 034 A	79112.11900062	.00035241	00000-0	00000-0	0	00069
2	11335	72.8510	21.1770 0049432	172.0362	187.9364	15.60698104		265
1	11335U	79 034 A	79113.08052387	.00004592	00000-0	00000-0	0	00070
2	11335	72.8510	18.8777 0049144	169.8320	190.2150	15.60688215		412

1	11335U	79 034 A	79115.90087544	.00002909	00000-0	00000-0	0	00100
2	11335	72.8540	12.1361 0048496	163.3632	196.4459	15.60711655		858

1	11335U	79 034 A	79116.60605485	.00010041	00000-0	00000-0	0	00115
2	11335	72.8540	10.4500 0048479	161.7463	198.5933	15.60734916		966

1	11335U	79 034 A	79119.42634105	.00010312	00000-0	00000-0	0	00121
2	11335	72.8515	3.7094 0048238	155.2761	204.7951	15.60755921		1402

1	11335U	79 034 A	79121.02882282	.00014123	00000-0	00000-0	0	00134
2	11335	72.8496	359.8792 0048098	151.6000	208.7093	15.60776178		1655

1	11335U	79 034 A	79123.07990850	.00010015	00000-0	00000-0	0	00155
2	11335	72.8476	354.9714 0047763	146.9400	213.3750	15.60796800		1979

79-35A

Raduga - Statsjonar 1, nr. 5

1	11344U	79035	B	79115.27089114	.00941251	00000-0	00000-0	0	00018
2	11344	51.6273		277.4453	0009026	215.0908	147.7707	16.31364349	28
1	11345U	79035	C	79115.33166407	.00941251	00000-0	00000-0	0	00017
2	11345	51.6095		277.1135	0038642	166.6908	192.8323	16.31001894	30
1	11343U	79035	A	79120.77306088	-.00000246	00000-0	00000-0	0	00022
2	11343	.3514		288.4151	0000010	315.2411	337.0736	1.00244120	52
1	11343U	79035	A	79123.94966670	-.00000236	00000-0	00000-0	0	00033
2	11343	.4126		303.3443	0000010	300.3619	43.7415	1.00262966	83

79-36A

Kosmos

1096

1	11346U	79 36	A	79115.79712393	.00004983	00000-0	00000-0	0	00023
2	11346	65.0545		36.6416 0010333	284.9940	74.2312	15.43107592		66

1	11346U	79 368-A		79115.92628332	.00004983	00000-0	00000-0	0	00034
2	11346	65.0557		36.2096 0009889	281.3666	78.1318	15.43094886		86

1	11346U	79 36	A	79117.41750460	.00004983	00000-0	00000-0	0	00043
2	11346	65.0557		31.2437 0009825	281.2150	79.2300	15.43327646		314

1	11346U	79 36	A	79118.06540444	.00004983	00000-0	00000-0	0	00055
2	11346	65.0518		29.0815 0010038	283.0484	76.9488	15.43367075		416

1	11346U	79 36	A	79118.58376388	.00004983	00000-0	00000-0	0	00067
2	11346	65.0548		27.3498 0010485	278.6617	81.3288	15.43404878		490

1	11346U	79 36	A	79118.92772480	.00004983	00000-0	00000-0	0	00077
2	11346	65.0550		26.2766	0008747	264.9489	95.0606	15.43441045	541

1	11346U	79 36	A	79119.55565395	.00004983	00000-0	00000-0	0	00074
2	11346	65.0524		24.1397	0009972	270.7619	89.2332	15.43474116	643

1	11346U	79 36	A	79122.27697815	-.00017864	00000-0	00000-0	0	00084
2	11346	65.0488		15.0409	0010929	268.8063	90.8995	15.43385379	1066

1	11346U	79 36	A	79122.53621659	-.00017864	00000-0	00000-0	0	00097
2	11346	65.0488		14.1777	0009810	279.7885	80.2101	15.43403972	1101

1	11346U	79 36	A	79123.24899387	-.00017864	00000-0	00000-0	0	00103
2	11346	65.0492		11.7967	0010907	271.7461	88.2384	15.43364919	1211

1	11346U	79 36	A	79124.28577017	-.00017864	00000-0	00000-0	0	00112
2	11346	65.0489		9.3430	0010687	273.1019	86.8851	15.43339076	1370

1	11346U	79 36	A	79125.12817486	-.00017885	00000-0	-39691-3	0	00128
2	11346	65.0478		5.5423	0009240	266.3535	93.9662	15.43377405	1501

1	11346U	79 36	A	79127.13690344	.00022698	00000-0	00000-0	0	00130
2	11346	65.0547		358.8371	0009853	267.0696	93.3698	15.43425754	1818

1	11346U	79 36	A	79128.88633169	.00022698	00000-0	00000-0	0	00146
2	11346	65.0460		353.0046	0008851	263.5260	96.4826	15.43462705	2087

1	11346U	79 36	A	79129.53430654	.00022698	00000-0	00000-0	0	00154
2	11346	65.0516		350.8480	0010009	269.1782	90.8165	15.43434650	2188

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Kosmos 1096 forts. 1

1	11346U	79 36	A	79129.72969302	.00001749	00000-0	00000-0	0	00166
2	11346	65.0500		350.2017 00009971	269.0917	90.8606	15.43410753		2218
1	11346U	79 36	A	79131.93178378	.00001749	00000-0	00000-0	0	00179
2	11346	65.0475		342.8540 0010473	274.2310	85.7587	15.43409459		2552
1	11346U	79 36	A	79136.92110172	.00001749	00000-0	00000-0	0	00182
2	11346	65.0504		326.2231 0010589	274.2821	85.7062	15.43420788		3323
1	11346U	79 36	A	79141.97517978	.00001749	00000-0	00000-0	0	00199
2	11346	65.0493		309.3733 0010409	277.5995	82.3916	15.43439143		4100
1	11346U	79 36	A	79145.47411582	.00001749	00000-0	00000-0	0	00204
2	11346	65.0464		297.7048 0010533	277.2564	82.7332	15.43452450		4646
1	11346U	79 36	A	79151.43520532	.00000088	00000-0	00000-0	0	00219
2	11346	65.0505		277.8395 0010146	275.9450	82.4056	15.43359525		5566
1	11346U	79036	A	79155.77685991	.00013542	10828-4	00000-0	0	00229
2	11346	65.0500		263.3635 0010582	278.3767	81.6126	15.43473018		6238

79-37A

Kosmos 1097

1	11348U	79 037A	79117.83148123	.00500000	00000-0	00000-0	0	00017
2	11348	62.7876	63.6029 0122752	64.9273	297.3837	16.07055318		27
1	11348U	79 037A	79117.95577843	.00500000	00000-0	00000-0	0	00026
2	11348	62.7942	63.1115 0122243	64.8495	296.5427	16.07223376		42
1	11348U	79 037A	79118.45343119	.00827548	35886-3	33435-3	0	00033
2	11348	62.7920	61.1362 0118854	65.1696	296.6570	16.08128219		120
1	11348U	79 037A	79120.25493351	.00952302	00000-0	00000-0	0	00042
2	11348	62.7875	53.9536 0109791	65.4317	296.1712	16.11350961		414
1	11348U	79 037A	79122.30027315	.01041852	00000-0	00000-0	0	00054
2	11348	62.7902	45.7489 0099576	66.1015	295.2421	16.15395803		743
1	11348U	79 037A	79123.29002682	.01122939	00000-0	00000-0	0	00060
2	11348	62.7889	41.7636 0092471	65.9989	295.3439	16.17626646		904

1	11348U	79 037A	79124.27835621	.01212558	00000-0	00000-0	0	00074
2	11348	62.7846	37.7756 0087013	66.9332	294.3209	16.20027344		1065
1	11349U	79 037A	79125.14197574	.01436973	15020-2	26497-3	0	00084
2	11348	62.7917	34.2648 0094209	67.5040	293.7639	16.22442962		1203
1	11348U	79 037A	79125.26507990	.01436973	00000-0	00000-0	0	00095
2	11348	62.7815	33.7930 0131079	65.6093	269.8272	16.08050021		1229
1	11349U	79 037A	79125.70125414	.01436973	00000-0	00000-0	0	00103
2	11348	62.7761	32.0477 0124191	84.3039	276.4466	16.09167613		1298
1	11348U	79 037A	79126.07401503	.01436973	00000-0	00000-0	0	00111
2	11348	62.7829	30.5514 0126041	85.5629	275.3179	16.09787142		1358
1	11348U	79 037A	79126.50877047	.01436973	00000-0	00000-0	0	00120
2	11348	62.7852	28.8184 0122819	84.9753	275.9973	16.10739344		1426
1	11348U	79 037A	79127.19130971	.01028865	00000-0	00000-0	0	00137
2	11348	62.7859	26.0921 0118566	85.8237	274.2751	16.11939151		1530
1	11348U	79 037A	79128.24541254	.01162327	00000-0	00000-0	0	00147
2	11348	62.7914	21.8668 0110568	85.7616	276.0213	16.14363924		1701
1	11348U	79 037A	79128.49306042	.01162327	00000-0	00000-0	0	00159
2	11348	62.7922	20.8835 0140860	70.7114	283.5755	16.04066937		1741
1	11349U	79 037A	79129.36651551	.00847085	00000-0	00000-0	0	00165
2	11348	62.7928	17.4379 0135236	71.4039	289.0591	16.05475342		1885

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Kosmos 1097 fonts-1

1	11348U	79 037A	79131.63628305	.00913921	00000-0	00000-0	0	00170
2	11348	62.7816	8.5265 0123079	71.4121	290.3275	16.09427472		2241

1	11348U	79 037A	79132.16523245	.00913921	00000-0	00000-0	0	00180
2	11348	62.7849	5.2960 0121377	71.7771	289.7598	16.10544019		2335

1	11348U	79 037A	79132.47559801	.00913921	00000-0	00000-0	0	00192
2	11348	62.7635	5.0411 0121949	71.4661	288.9171	16.09909661		2386

1	11348U	79 037A	79133.46904623	.01012614	00000-0	00000-0	0	00211
2	11348	62.7828	1.0887 0116593	70.6250	291.0514	16.11878348		2541

1	11348U	79 037A	79134.27505715	.01055906	00000-0	00000-0	0	00222
2	11348	62.7835	357.8626 0111404	70.8812	290.5020	16.13582720		2672

1	11348U	79 037A	79135.26593487	.01214237	00000-0	00000-0	0	00237
2	11348	62.7881	353.3830 0104859	71.1246	290.5046	16.15944370		2930

1	11348U	79 037A	79136.19342329	.01392236	00000-0	00000-0	0	00247
2	11348	62.7842	350.1388 0096620	71.7720	289.9364	16.18532766		2988

1	11348U	79 037A	79136.87252250	.01467020	00000-0	00000-0	0	00250
2	11348	62.7807	347.3891 0091900	71.5396	289.7101	16.20555822		3090

1	11348U	79 037A	79137.93099698	.01041613	00000-0	00000-0	0 00271
2	11348	62.7843	343.1887 0172579	57.9546	303.2373	16.00369872	3264
1	11348U	79 037A	79138.36835137	.01041613	00000-0	00000-0	0 00286
2	11348	62.7708	341.4545 0179804	59.5812	303.3126	16.03691624	3338
1	11348U	79 037A	79138.86683622	.01603214	00000-0	00000-0	0 00293
2	11348	62.7806	339.4947 0171353	59.9881	302.3511	16.05305501	3417
1	11348U	79 037A	79139.61366315	.01964541	00000-0	00000-0	0 00309
2	11348	62.7819	336.5281 0161581	60.1430	302.4876	16.09296125	3537
1	11348U	79 037A	79140.29684502	.02177397	00000-0	00000-0	0 00313
2	11348	62.7791	333.8037 0150784	60.3200	301.6649	16.11272540	3645
1	11348U	79 037A	79141.53567175	.02369617	00000-0	00000-0	0 00337
2	11348	62.7716	328.8605 0132959	79.6946	264.3087	16.05193282	3842
1	11348U	79 037A	79141.10266532	.02369617	00000-0	00000-0	0 00322
2	11348	62.7787	330.5640 0136601	60.9436	301.0692	16.15121758	3777
1	11348U	79 037A	79141.85012930	.01000000	00000-0	00000-0	0 00344
2	11348	62.7815	327.6093 0131471	78.6087	282.4045	16.05332007	3893
1	11348U	79 037A	79142.16103994	.00851884	36624-3	33950-3	0 00351
2	11348	62.7741	326.3730 0131804	80.3493	277.5894	16.05696245	3946
1	11348U	79 037A	79143.46854636	.00920115	00000-0	00000-0	0 00360
2	11348	62.7785	321.1821 0123341	80.5230	281.4777	16.08132978	4155
1	11348U	79 037A	79144.02790882	.01263359	00000-0	00000-0	0 00375
2	11348	62.7857	318.9602 0120677	81.2275	280.7592	16.09615095	4246

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Kosmos 1097

parts 2

1	11348U	79 037A	79144.46253514	.01047896	00000-0	00000-0	0	00787
2	11348	62.7811	317.2152 0117077	79.9846	281.0947	16.10424330		4314
1	11348U	79 037A	79144.95917307	.00965851	00000-0	00000-0	0	00399
2	11348	62.7763	315.2323 0113874	81.0050	280.2066	16.11329529		4396
1	11348U	79 037A	79146.26139482	.01105206	00000-0	00000-0	0	00407
2	11348	62.7776	310.0116 0103588	81.2825	280.7479	16.14188866		4673
1	11348U	79037 A	79146.94268487	.01145468	00000-0	00000-0	0	00404
2	11348	62.7772	307.2815 0101410	81.4046	281.7342	16.15760302		4716

79-39A

Progress 6

1	11356U	79 039 A	79133.29370241	.00064323	00000-0	00000-0 0	00017
2	11356	51.6202	303.8436 0043165	80.4888	277.6320	16.20506409	20

1	11356U	79 039 A	79133.47908598	.00064323	00000-0	00000-0 0	00020
2	11356	51.6130	302.8237 0019423	259.9423	96.9158	15.83788149	59

1	11356U	79 039 A	79134.61568240	.00061048	00000-0	28567-3 0	03047
2	11356	51.6199	296.9192 0016229	86.8262	71.6231	15.82342062	239

1	11356U	79039 A	79141.57207067	.00069108	00000-0	00000-0 0	00085
2	11356	51.6273	260.8770 0013243	42.9825	318.0182	15.90572750	1335

1	11356U	79039 A	79160.01025335	.00069604	00000-0	00000-0 0	00161
2	11356	51.6292	165.6981 0011865	286.5878	73.9785	15.71056192	4240

1	11356U	79039 A	79160.70982027	.00083231	00000-0	00000-0 0	00170
2	11356	51.6254	162.1419 0011453	289.2366	70.6706	15.71121543	4356

79-40A

Kosmos 1098

1	11358U	79 040	A	79135.55960310	.01755450	16924-2	67605-3	0	00012
2	11358	72.3736		52.2925 0141492	80.1438	277.6437	16.04420911		19
1	11358U	79040	A	79135.78962319	.01737395	16706-2	67605-3	0	00027
2	11358	72.8531		51.6554 0140067	79.2499	281.9958	16.04615566		57
1	11358U	79040	A	79136.10131898	.00355005	00000-0	00000-0	0	00039
2	11358	72.8651		50.8584 0139605	78.6907	282.3252	16.04710105		100
1	11358U	79040	A	79136.78709770	.00300748	00000-0	00000-0	0	00040
2	11358	72.8661		49.1066 0138432	76.9596	284.5846	16.05116314		217
1	11358U	79040	A	79140.33725961	.00347270	00000-0	00000-0	0	00067
2	11358	72.8634		40.0411 0130621	68.6748	293.1622	16.07500148		784
1	11358U	79040	A	79142.88734991	.00430566	15705-3	13777-3	0	00073
2	11358	72.8641		33.5015 0125450	62.0996	299.5059	16.09474307		1195
1	11358U	79040	A	79143.32450802	.00425982	00000-0	00000-0	0	00083
2	11358	72.8637		32.2267 0123264	61.1425	300.2160	16.09900072		1278

1	11358U	79040	A	79144.44061535	.00394786	00000-0	00000-0	0	00090
2	11358	72.8680		29.5156 0121467	58.4129	302.5693	16.10596715		1448
1	11358U	79040	A	79144.81330009	.00397492	00000-0	00000-0	0	00105
2	11358	72.8666		28.5572 0120522	57.4494	303.8335	16.10997853		1509
1	11358U	79040	A	79145.06168250	.00431005	00000-0	00000-0	0	00110
2	11358	72.8668		27.9143 0119462	56.8817	304.4384	16.11242807		1549
1	11358U	79040	A	79147.17152904	.00449119	00000-0	00000-0	0	00129
2	11358	72.8648		22.4786 0113969	51.7603	309.5859	16.13132914		1882

79-41A

Kosmos 1099

1	11360U	79041	A	79137.35314092	.00100000	00000-0	00000-0	0	00011
2	11360	81.3413		6.2572 0022697	92.0666	269.3265	16.16534874		12

1	11360U	79041	A	79137.41486911	.00100000	00000-0	00000-0	0	00029
2	11360	81.3423		6.1339 0026620	85.1861	275.0621	16.16157576		27

1	11360U	79041	A	79137.91021697	.00100000	00000-0	00000-0	0	00031
2	11360	81.3504		5.4753 0025034	97.0479	273.4361	16.16300920		172

1	11360U	79041	A	79138.28166203	.00205598	00000-0	00000-0	0	00044
2	11360	81.3504		4.9847 0023523	84.7541	275.8196	16.16523414		168

1	11360U	79041	A	79139.08628005	.00205598	00000-0	00000-0	0	00057
2	11360	81.3498		3.9215 0019095	54.0134	308.4735	16.19598711		206

1	11360U	79041	A	79140.69199662	.00248184	00000-0	00000-0	0	00067
2	11360	81.3538		1.7880 0017619	47.6359	313.0932	16.20414226		552

1	11360U	79041	A	79142.91428633	.00311506	00000-0	13814-3	0	00077
2	11360	81.3522	358.8310	0016977	39.8783	320.5261	16.21629102		919
1	11360U	79041	A	79146.24463569	.00312609	00000-0	00000-0	0	00091
2	11360	81.3477	354.3914	0013835	24.3198	336.3611	16.23569725		1458
1	11360U	79041	A	79147.47693960	.00309538	00000-0	00000-0	0	00106
2	11360	81.3483	352.7441	0012022	19.0793	341.0160	16.24325951		1657
1	11360U	79041	A	79150.06310511	.00374551	00000-0	00000-0	0	00111
2	11360	81.3426	349.2763	0011013	5.2005	354.9448	16.26019125		2076

79-42 A,B Kosmos 1100 och 1101

$$T_4 = 22.596$$

1	11362U	79042	A	79143.13493325	.00941251	00000-0	00000-0	0	00015
2	11362	51.5811		233.3059 0022511	189.6075	168.9746	16.24201891		36

1	11364U	79042	C	79143.44267644	.00000000	00000-0	00000-0	0	00012
2	11364	51.5748		231.5908 0036876	198.3724	161.7137	16.24871015		00

1	11365U	79042	I	79143.13509374	.00941251	00000-0	00000-0	0	00021
2	11365	51.5973		233.3056 0022508	189.6077	169.8612	16.25217212		39

1	11365U	79042	D	79143.13485658	.00000000	00000-0	00000-0	0	00038
2	11365	51.5555		233.1096 0060482	182.1131	177.9647	16.32086559		01

1	11366U	79042	E	79143.31843930	.00941251	00000-0	00000-0	0	00021
2	11366	51.5762		232.2719	0022233	250.8327	109.1943	16.30779124	63
1	11366U	79042	E	79143.31938912	.00000000	00000-0	00000-0	0	00035
2	11366	51.5713		232.3017	0014420	199.8111	160.1848	16.26962440	08
1	11366U	79042	E	79143.31939699	.07288758	00000-0	00000-0	0	00044
2	11366	51.5822		232.2686	0013692	192.6287	167.5257	16.27985567	06
1	11366U	79042	E	79144.54035738	.02553861	00000-0	00000-0	0	00058
2	11366	51.5835		225.4081	0000000	134.5919	218.5418	16.37334408	271

1	11364U	79042	G	79144.54964509	.02096480	00000-0	00000-0	0	00028
2	11364	51.5904		225.4455	0010239	195.8698	173.6649	16.29610753	184

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Kosmos 1102

1	11368U	79 043 B	79145.40799517	.00100000	00000-0	00000-0	0 00026
2	11368	81.3364	11.5428 0036725	87.3582	272.5750	16.14366969	24
1	11368U	79 043 B	79145.34619647	.00100000	00000-0	00000-0	0 00013
2	11368	81.3329	11.6851 0029514	81.9379	279.3082	16.15685425	12

1	11368U	79 043 A	79146.58573195	.00182610	00000-0	00000-0	0 00036
2	11368	81.3353	9.9991 0034728	82.0818	278.4944	16.14713551	217

1	11368U	79 043 A	79149.49743382	.00159522	00000-0	00000-0	0 00043
2	11368	81.3360	6.1606 0034859	68.4955	291.7186	16.15715331	688

1	11368U	79 043 A	79150.30255323	.00194453	00000-0	12245-3	0 00058
2	11368	81.3395	5.0857 0034246	68.5556	292.0755	16.16040121	810

1	11368U	79 043 A	79153.21178415	.00199578	00000-0	11642-3	0 00061
2	11368	81.3385	1.2759 0033098	57.9677	302.2860	16.17152992	1288

1 11368U 79 043 A 79155.80987042 .00202010 00000-0 00000-0 0 00072
2 11368 81.3410 357.7926 0030653 46.6218 313.8509 16.18223279 1709

1 11368U 79 043 A 79155.99535777 .00217650 24601-4 00000-0 0 00080
2 11368 81.3406 357.5425 0029603 49.0995 311.2791 16.18314004 1733

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Big Bird? [Titan 3D]

1	11372U	79	044	A	79148.87334065	.00000000	00000-0	00000-0	0	00017
2	11372	96.4079	219.5522	0119968	138.4766	224.1166	16.22692236			29
1	11372U	79	044	A	79149.11975802	.00000000	00000-0	00000-0	0	00026
2	11372	96.4105	219.7975	0119967	137.4492	223.8483	16.22995939			65
1	11372U	79	044	A	79149.48967287	.01028825	73945-3	66326-4	0	00039
2	11372	96.4082	220.1649	0116779	135.6457	226.2450	16.23961045			122
1	11372U	79	044	A	79150.22941325	.01014178	00000-0	00000-0	0	00259
1	11372	96.4130	220.8913	0121051	133.1367	228.0470	16.22491320			247

79-45A

Kosmos 1103

1	11376U	79 045 A	79151.86261881	.00500000	00000-0	00000-0 0	000215
2	11376	62.7762	85.6796 0056107	131.4400	219.6934	15.96381054	32

1	11376U	79 045 A	79151.92690270	.00500000	00000-0	00000-0 0	00021
2	11376	62.6943	85.1386 0100578	142.3898	220.3889	15.98903569	40

1	11376U	79 045 A	79151.86402091	.00500000	00000-0	00000-0 0	00037
2	11376	62.8233	85.5140 0088980	102.9175	255.9696	15.85456842	38

1	11376U	79 045 A	79152.36889750	.00027095	00000-0	81654-4 0	00041
2	11376	62.8176	93.5734 0088016	103.0176	257.6934	15.95515687	110

1	11376U	79 045 A	79152.87351144	.00027095	00000-0	00000-0 0	00051
2	11376	62.8115	81.6918 0068566	205.7758	121.3131	15.65996488	194

1	11376U	79045 A	79155.94429092	.00002100	00000-0	00000-0 0	00051
2	11376	62.8213	70.2274 0068166	207.1367	152.6151	15.66030592	678

1	11376U	79045	A	79156.51897079	.00004750	00000-0	00000-0	0 0	00071
2	11376	62.8203		68.0754	0067639	206.6391	153.1214	15.56041868	764

79-46A

Kosmos 1104

1	11378U	79 046 A	79151.80798660	.00003978	00000-0	00000-0 0	00014
2	11378	82.9497	186.1900 0026473	274.8230	87.5254	13.75874115	18
1	11378U	79 046 A	79151.95291763	.00003978	00000-0	00000-0 0	00023
2	11378	82.9321	186.1370 0026107	296.6901	62.2583	13.71156796	37
1	11378U	79 046 A	79152.09904294	.00003978	00000-0	00000-0 2	00030
2	11378	82.9595	186.0113 0032113	280.8125	80.3974	13.74013227	52

79-47A

Ariel 6

1	11382U	79047A	79154.08966210	.000000000	00000-0	00000-0	0	00014
2	11382	54.9539	21.1404 0040609	223.1158	136.2291	14.80646260		06
1	11382U	79047 A	79154.08966210	.000000000	00000-0	00000-0	0	00014
2	11382	54.9539	21.1405 0044061	223.1165	136.2286	14.80646255		21

79-48A

Molnija 3M

1	11385U	79048		79157.09196382	.00313189	00000-0	00000-0	0	00012
2	11385	62.8254	195.3681	0189719	118.6993	243.3310	15.80775754		29

1	11386U	79048	C	79157.09216804	.00313189	00000-0	00000-0	0	00015
2	11386	62.8514	195.4211	0191979	127.6355	234.2330	15.77268489		21

79-49A

SOYUZ 34

1	11387U	79049A	79157.93618968	.00096106	00000-0	00000-0	0	00014
2	11387	51.6076	176.5350	0046469	81.4174	279.2058	16.18684053	36

1	11387U	79-049A	79158.42987867	.00145633	00000-0	00000-0	0	00032
2	11387	51.6108	173.8762	0052747	173.1915	154.4724	16.02967673	115

1	11388U	79 049A	79158.43453095	.00310227	00000-0	00000-0	0	00023
2	11388	51.6069	173.8514	0046215	170.8885	189.3486	16.03012086	112

1	11387U	79-049A	79158.49077936	.03358458	00000-0	00000-0	0	00026
2	11387	51.6073	173.5427	0030681	73.1381	289.4021	16.23921324	126

1	11387U	79-049A	79159.30720499	.00145633	00000-0	00000-0	0	00044
2	11387	51.6051	169.2766	0055735	226.7670	95.9333	15.81294957	252

1	11387U	79-049A	79187.24446458	.00207328	00000-0	00000-0	0	00093
2	11387	51.6172	26.5315	0005080	1.9063	359.1139	15.72213129	4646

1	11387U	79-049A	79188.51532151	.00269312	00000-0	00000-0	0	00103
2	11387	51.6236	19.9899	0005014	357.0306	3.1598	15.72213615	4845

1	11387U	79 49	A	79187.24430243	.00211547	00000-0	15338-2 0	19
2	11387	51.6171		26.5322 0005079	1.9057	358.1960	15.72213057	01

79-050 A

AMS 1

1	11389U	79 050 A	79157.81092265	.00000000	00000-0	00000-0	0 00019
2	11389	98.7800	224.4519	0012911	216.3239	144.6682	14.19305430 15

79-51A

Bhaskar

1	113920	79051	A	79158.55352371	.00000000	00000-0	00000-0	0	00013
2	11392	50.6639	346.7563	0014789	63.4081	296.8347	15.11968577		23
1	113920	79 051	A	79158.88335451	.00117271	00000-0	00000-0	0	00029
2	11392	50.6765	345.2790	0013851	72.0480	286.8563	15.13328076		76
1	113920	79 051	A	79178.24716463	.00002709	00000-0	00000-0	0	00059
2	11392	50.6747	252.6846	0015624	119.9976	239.6526	15.12175312		3004

79-52A

Kosmos 1105

1	11394U	79 052 A	79159.35383537	.00100000	00000-0	00000-0	0 00014
2	11394	81.3286	28.0303 0027216	96.6701	268.8461	16.16855711	18
1	11394U	79 052 A	79159.60051778	.00106367	00000-0	62668-4	0 00026
2	11394	81.3445	27.6665 0023794	77.5457	293.2459	16.17660915	57
1	11394U	79 052 A	79159.78602386	.00094585	00000-0	62668-4	0 00031
2	11394	81.3523	27.3950 0031951	94.9461	262.1464	16.15542802	87
1	11394U	79 052 A	79160.28211473	.00218384	00000-0	00000-0	0 00045
2	11394	81.3482	26.7328 0031565	93.0189	267.6383	16.15792735	162
1	11394U	79 052 A	79161.02519951	.00191192	00000-0	00000-0	0 00069
2	11394	81.3474	25.7330 0017077	75.8866	286.7424	16.19745668	285
1	11409U	79052 A	79173.86157464	.01930563	00000-0	00000-0	0 00028
2	11409	81.3437	8.6469 0000000	351.3531	11.0776	16.30056014	2366

1	11394U	79 052 A	79161.39546229	.00102361	00000-0	00000-0	0 00078
2	11394	81.3486	25.2669 0020268	67.4459	292.6464	16.19733917	340

1	11394U	79 052 A	79161.76617518	.00226846	00000-0	00000-0	0 00095
2	11394	81.3444	24.7710 0019956	65.9951	294.4654	16.19952149	405

1	11394U	79 052 A	79162.26029078	.00268346	00000-0	00000-0	0 00091
2	11394	81.3476	24.1086 0019036	64.0618	296.3451	16.20243087	489

1	11394U	79 052 A	79164.66796997	.00228124	00000-0	00000-0	0 00100
2	11394	81.3467	20.8978 0018331	52.9010	306.5672	16.21370367	875

1	11394U	79 052 A	79166.21065151	.00254713	00000-0	00000-0	0 00129
2	11394	81.3472	18.8634 0013207	83.9005	272.5296	16.19066249	1124

1	11394U	79 052 A	79168.18846409	.00214315	00000-0	00000-0	0 00135
2	11394	81.3508	16.2230 0011834	82.8206	276.6508	16.19883428	1445

1	11394U	79 052 A	79170.72250443	.00226895	00000-0	00000-0	0 00150
2	11394	81.3450	12.8565 0010201	72.2898	287.9571	16.20952286	1852

1	11409U	79052 A	79172.13901195	.01347121	00000-0	00000-0	0 00016
2	11409	81.3590	10.9394 0004142	81.5982	278.5351	16.24259699	2087

79-53A

[Titan 3C] Early Warning

1	113980	79053	B	79162.10863719	.02069179	30122-2	16184-3	0	00038
2	11398	29.6037		282.3059	0074621	119.0238	247.1569	16.29964460	93
1	113970	79053	A	79163.33845725	.00000000	00000-0	00000-0	0	00034
2	11397	1.9509		286.2832	0054200	358.8813	357.8015	0.99407263	15
1	113970	79053	A	79176.41186988	.00000019	00000-0	00000-0	0	00057
2	11397	1.9198		285.9809	0015361	254.6492	106.7547	1.00246860	142

79-54A

Kosmos 1106

1	11399U	79054	A	79163.34619648	.00100000	00000-0	00000-0	0	00017
2	11399	81.3732		29.3786 0016247	79.0928	282.4320	16.18050571		15
1	11399U	79054	A	79164.70644499	.00189731	00000-0	00000-0	0	00072
2	11399	81.3573		27.5647 0015120	78.2192	282.1640	16.18465127		237
1	11399U	79054	A	79170.69948908	.00210679	00000-0	00000-0	0	00058
2	11399	81.3608		19.6155 0013299	62.5205	297.7961	16.20859091		1209
1	11399U	79054	A	79172.42772673	.00220743	00000-0	00000-0	0	00069
2	11399	81.3550		17.3211 0012433	50.9987	309.2623	16.21605188		1469
1	11399U	79054	A	79174.21688011	.00234691	00000-0	00000-0	0	00067
2	11399	81.3635		14.9342 0010658	44.6213	315.8985	16.22434417		1772

79-55A

Kosmos 1107

1	11404U	79055	A	79166.50557501	.01024295	00000-0	00000-0	0	00010
2	11404	72.8659		70.2349 0079489	86.9000	275.6856	16.09021933		17
1	11404U	79055	A	79166.81612115	.01138811	00000-0	71953-3	0	00026
2	11404	72.8638		69.4218 0081349	85.6779	274.9393	16.09026695		60
1	11404U	79055	A	79167.18914478	.01138811	00000-0	00000-0	0	00037
2	11404	72.8613		68.4864 0077857	84.7367	275.8168	16.09702523		129
1	11404U	79055	A	79167.56201581	.01138811	00000-0	00000-0	0	00044
2	11404	72.8632		67.5325 0047310	69.5657	285.6943	16.06179897		191
1	11404U	79055	A	79167.99880232	.00095993	00000-0	00000-0	0	00050
2	11404	72.8631		66.4191 0047199	69.6467	290.1654	16.06225896		253
1	11404U	79055	A	79169.68044156	.00089786	00000-0	00000-0	0	00069
2	11404	72.8637		62.1158 0046693	64.5290	296.0562	16.06537047		523
1	11404U	79055	A	79174.16289904	.00099523	00000-0	00000-0	0	00071
2	11404	72.8636		50.6543 0044581	53.2160	307.1679	16.07360820		1248
1	11404U	79055	A	79174.53635502	.00099523	00000-0	00000-0	0	00082
2	11404	72.8857		49.7161 0163833	221.3075	122.9106	15.99962972		1305

1	11404U	79055	A	79174.95153685	.00304245	00000-0	00000-0	0	00095
2	11404	72.8808		48.9369 0164313	220.5185	138.3887	16.00103631		1353

1	11404U	79055	A	79176.28917529	.00211304	00000-0	00000-0	0	00104
2	11404	72.8807		45.2914 0162521	216.9982	141.2873	16.00703509		1584

1	11404U	79055	A	79177.41412691	.00212577	00000-0	00000-0	0	00114
2	11404	72.8796		42.4398 0160717	214.4271	144.6097	16.01172253		1767

1	11404U	79055	A	79178.16383621	.00228401	00000-0	00000-0	0	00121
2	11404	72.8779		40.5421 0159412	212.5941	146.5403	16.01509267		1881

79-56A

Kosmos 1108

1	11413U	79056	A	79173.34619648	.00100000	00000-0	00000-0	0	00010
2	11413	81.3443		39.2037 0023951	87.5861	273.8091	16.16701027		16

1	11413U	79056	A	79174.21251900	.00236922	00000-0	00000-0	0	00024
2	11413	81.3275		38.0173 0023842	86.4585	274.1056	16.17031166		158

1	11413U	79056	A	79178.10493414	.00221927	00000-0	00000-0	0	00056
2	11413	81.3265		32.8369 0013052	80.4806	279.7929	16.20754705		782

1	11413U	79056	A	79177.36384731	.00202211	00000-0	00000-0	0	00048
2	11413	81.3266		33.8261 0013833	80.9482	278.6442	16.20435084		668

1 114130 79056 A 79182.05421711 .00249431 00000-0 00000-0 0 00067
2 11413 81.3264 27.5688 0011113 63.7087 296.5253 16.22559091 1423

1 114130 79056 A 79183.34907853 .00252313 00000-0 00000-0 0 00070
2 11413 81.3292 25.8374 0010996 59.1887 301.0746 16.23208849 1636

79-57A

NOAA 6.

1	11416U	79057	A	79178.70651278	.00000000	00000-0	00000-0	0	00013
2	11416	98.7735		207.5509 0048143	287.5888	72.2079	14.29664680		12
1	11416U	79057	A	79178.70651278	.00000926	00000-0	00000-0	0	00021
2	11416	98.7735		207.5509 0048143	287.5888	72.2079	14.29664680		12
1	11416U	79057	A	79178.91752048	.00000926	00000-0	00000-0	0	00032
2	11416	98.7392		207.8071 0011227	280.8958	79.1177	14.22139703		49

79-58

Kosmos 1109

1	11418U	79058	B	79178.86687606	.00576189	00000-0	00000-0	0	00013
2	11418	62.8342		137.7485	0280138	114.3172	208.7299	15.50344620	27

1	11418U	79058	E	79179.26098249	.00576189	00000-0	00000-0	0	00028
2	11418	62.8409		136.3765	0260829	122.3923	256.2630	15.60605444	83

1	11417U	79058	A	79181.00020000	-.00001041	00000-0	00000-0	0	00010
2	11417	62.9030		137.6770	7382996	318.2140	133.5050	1.98838326	50

1	11417U	79058	A	79183.83733497	-.00000757	00000-0	00000-0	0	00020
2	11417	62.8872		137.2653	7377839	318.2070	4.4832	1.98836398	119

1	11417U	79058	A	79185.84911299	-.00001195	00000-0	00000-0	0	00039
2	11417	62.8928		136.9752	7362761	318.1899	13.8781	2.00554978	159

79-59A

Progress 7

1	11421U	79 59 A	79179.63168781	.13450463	57221-4	18196-3 0	77
2	11421	51.6890	65.7253 0149724	41.6744	319.5570	16.22074135912521	
1	11421U	79 059 A	79179.75471071	.00064323	00000-0	00000-0 0 00027	
2	11421	51.6339	65.1470 0055702	209.7965	140.5260	15.87817929	69
1	11421U	79 059 A	79180.88916144	.00224942	00000-0	73456-3 0 00032	
2	11421	51.6415	59.1875 0052234	214.7168	143.8244	15.87202740	240
1	11421U	79 059 A	79183.04690951	.00066527	00000-0	00000-0 0 00055	
2	11421	51.6184	48.0286 0005560	27.2635	333.2250	15.70980916	582

79-60A

Kosmos 1110

1	11425U	79060	A	79179.82853703	.00012001	00000-0	00000-0 0	00001
2	11425	74.0578		226.9160 0020854	29.6450	330.5752	14.28862825	06

1	11425U	79060	A	79179.89855203	.00012001	00000-0	00000-0 0	00011
2	11425	74.0107		226.5311 0040857	79.9682	280.9003	14.21776225	14

1	11425U	79060	A	79181.86174447	.00015015	00000-0	00000-0 0	00037
2	11425	74.0115		223.0383 0015569	16.9748	345.5790	14.27170062	299

79-61A

Kosmos 1111

1	11429U	79061	A	79180.84178547	.00500000	00000-0	00000-0	0	02018
2	11429	62.8323		106.5592	0088375	114.0878	239.5718	15.85729613	31
1	11429U	79061	A	79181.16835377	.00500000	00000-0	00000-0	0	00028
2	11429	62.7993		105.3642	0074028	110.3887	254.1910	15.99342773	89
1	11429U	79061	A	79181.84964266	.00500000	00000-0	00000-0	0	00032
2	11429	62.7959		102.8137	0073519	208.1062	112.8083	15.68136730	105
1	11429U	79061	A	79182.11156819	.00500000	00000-0	00000-0	0	00041
2	11429	YXMIQFO		101.7826	0063755	201.3287	156.3443	15.65991563	230
1	11429U	79061	A	79183.06960633	-.00005022	00000-0	00000-0	0	00060
2	11429	62.8055		98.2084	0063973	201.3746	157.0128	15.65957025	386
1	11429U	79061	A	79186.07131065	-.00005211	00000-0	-43713-4	0	00088
2	11429	62.8073		86.9873	0063520	201.2110	158.7348	15.65865411	650
1	11429U	79061	A	79187.22078394	.00004053	00000-0	00000-0	0	00091
2	11429	62.8056		82.6977	0062564	202.2516	157.7207	15.65391123	1031

1	11429U	79061	A	79192.96801379	.00011828	00000-0	00000-0	0	00105
2	11429	62.8061		61.2231 0061012	203.4576	156.3530	15.65934706		1936
1	11453U	79061	A	79195.07528300	.00011828	00000-0	00000-0	0	00017
2	11453	62.8015		53.3435 0061423	205.2802	154.9154	15.66280186		2268

79-62

Gorizont 2

1	11441U	79	062	B	79187.14808140	.00941251	00000-0	00000-0	0	00019
2	11441	51.6137	281.5579	0009723	253.1612	110.3374	16.32862869			37

1	11441U	79	062	B	79188.30813090	.02518834	89344-2	10426-3	0	00035
2	11441	51.6262	275.0667	0011158	259.8316	108.1213	16.44170506			222

1	11441U	79	062	B	79187.63694308	.00941251	00000-0	00000-0	0	00023
2	11441	51.6284	278.8804	0010892	252.7833	109.4581	16.36124875			119

1	11440U	79	62	A	79205.20153495	.00000183	00000-0	00000	0	0	79
2	11440	0.7878	275.3445	0004946	287.9077	156.7596	1.00265802			176	

79-63A

Kosmos 1112

1	11443U	79063	A	79187.39627037	.00117271	00000-0	00000-0	0	00010
2	11443	50.6792		343.0357 0137843	147.3095	212.9479	15.39330021		16

1	11443U	79063	A	79187.59114072	.00117271	00000-0	00000-0	0	00023
2	11443	50.6827		342.0567 0145967	147.1227	214.7160	15.40556528		47

1	11443U	79063	A	79189.27723880	.00075905	00000-0	00000-0	0	00032
2	11443	50.6869		333.6580 0145364	153.8725	206.5631	15.40812162		307

1	11443U	79063	A	79190.05553013	.00062939	00000-0	00000-0	0	00042
2	11443	50.6842		329.7712 0145258	156.9880	203.7646	15.40899221		428

1	11443U	79063	A	79190.76885089	.00062764	00000-0	00000-0	0	00059
2	11443	50.6857		325.2109 0144846	159.8664	200.8063	15.41020766		504

79-64A

Kosmos 1113

1	11447U	79064	A	79192.48859998	.00238268	00000-0	00000-0	0	00047
2	11447	64.9974		94.6552 0116225	63.5256	298.3632	16.09161414		188

1	11447U	79064	A	79193.42060298	.00305583	00000-0	00000-0	0	00055
2	11447	65.0049		91.2242 0114826	63.4875	298.1204	16.09767558		334

1	11447U	79064	A	79195.15948604	.00328642	00000-0	00000-0	0	00065
2	11447	64.9984		84.8099 0111214	62.4534	298.7593	16.10863390		618

1	11447U	79 64	A	79202.29955307	.00316941	33781-4	19084-4	0	158
2	11447	64.9979		58.4648 0134033	57.4632	304.1893	16.06676398		1751

1	11447U	79 64	A	79202.29955307	.00316941	33781-4	19084-4	0	169
2	11447	64.9979		58.4648 0134033	57.4632	304.1893	16.06676398		1751

1	11447U	79 64	A	79203.29524233	.00236203	34047-4	12390-4	0	194
2	11447	65.0502		54.7804 0142826	54.9171	306.4362	16.07262543		1916

79-65A

Kosmos 1114

1	11449U	79065	A	79192.78176010	.00089772	00000-0	47419-2	0	00018
2	11449	74.0449		172.1877 0036889	356.6916	34.1678	15.14490470		27
1	11449U	79065	A	79192.84217096	.00089772	00000-0	00000-0	0	00029
2	11449	74.0465		172.0617 0033523	351.1609	7.9039	15.12847073		31
1	11449U	79065	A	79195.15654518	-.00001191	00000-0	00000-0	0	00031
2	11449	74.0448		167.2611 0033460	345.9527	12.7125	15.12897507		387

79-66A

Kosmos 1115

1	11451U	79066	A	79194.46839714	.00100000	00000-0	00000-0	0	00017
2	11451	81.3107		81.1454 0018588	123.9502	245.2624	16.21338326		21

1	11451U	79066	A	79194.83717543	.00083300	00000-0	46228-4	0	00023
2	11451	81.3498		80.6328 0018573	122.5777	233.2624	16.18819727		89

1	11451U	79066	A	79195.27063667	.01177366	00000-0	00000-0	0	00035
2	11451	81.3866		79.9972 0015326	16.8338	342.1662	16.18590758		155

1	11451U	79066	A	79195.82702262	.00171443	00000-0	00000-0	0	00047
2	11451	81.3548		79.3349 0014091	74.5710	283.6845	16.18373353		240

1	11451U	79066	A	79195.13651886	.00171443	00000-0	00000-0	0	00069
2	11451	81.3541		78.9246 0012061	89.6086	271.5895	16.19532756		292

1	11451U	79 66AAA		79200.33569531	.00211666	00000-0	12582-4	0	178
2	11451	81.3600		73.3469 0010938	74.3257	286.0513	16.21294385		953

1	11451U	79	66AAA	79201.32306676	.00213319	00000-0	12376-4	0	186
2	11451	81.3514	72.0344	0010900	68.6752	291.5697	16.21730404		1110
1	11451U	79	66AAA	79201.63176755	.00195175	00000-0	12376-4	0	192
2	11451	81.3468	71.6423	0002003	126.8295	233.3175	16.19276917		1166

1	11451U	79	66AAA	79202.99098906	.00178669	00000-0	11541-4	0	219
2	11451	81.3589	69.8212	0000687	295.1157	65.0057	16.19907184		1798

1	11451U	79	66AAA	79202.43506163	.00165891	00000-0	10838-4	0	207
2	11451	81.3524	70.5628	0000539	239.9033	120.6134	16.19698022		1294

1	11451U	79	66AAA	79202.43506163	.00165891	00000-0	10838-4	0	229
2	11451	81.3524	70.5628	0000539	239.9033	120.6134	16.19698022		1294

1	11451U	79	66AAA	79204.16456822	.00184947	00000-0	11659-4	0	233
2	11451	81.3565	68.2626	0001132	253.6754	106.7329	16.20351217		1570

1	11451U	79	66AAA	79205.52295192	.00193196	00000-0	11838-4	0	263
2	11451	81.3530	66.4578	0001259	276.4316	83.6700	16.20867383		1791

79-67A

Kosmos 1116

1	11457U	79	67	A	79201.48983754	.00000010	00000-0	00000 0 0	18
2	11457	81.2005	141.0541	0053803	298.0951	61.4829	14.87867344	07	

79-68 A

Kosmos 1117

1	11463U	79 68	A	79206.68913764	-.00005803	40158-4	00000 0 0	15
2	11463	62.8024	122.7728	0112448	74.1272	287.2237	16.07252202	09

79-70

Molviya 1AV

1	11556U	79	70	D	79270.26701523	-.00000075	00000-0	64011-3	0	14
2	11556	62.8532	307.9201		7453680	280.4927	10.5993	1.96382325		1156

79-71

Kosmos 1719

1	11479U	79 71	B	79215.62600715	.00000072	00000-0	00000 0 0	19
2	11479	81.3317		136.7850 0017765	69.6221	290.6968	16.17205732	36
1	11479U	79 71	B	79215.93462751	.00000074	00000-0	00000 0 0	11
2	11479	81.3019		136.3974 0014516	90.7324	269.5623	16.19961778	87

79-73

Kosmos 1120

1	11505U	79 73	C	79237.06255969	.02313029	18650-4	11943-3 0	22
2	11505	70.4102	101.3555	0106261	35.5777	325.6214	15.13750434	2197
1	11505U	79 73	C	79237.68181214	.02592163	18966-4	12175-3 0	35
2	11505	70.4097	99.5341	0098198	35.0225	326.1532	15.17046977	2296
1	11505U	79 73	C	79239.03959820	.03922670	19463-4	11537-3 0	54
2	11505	70.4135	95.5018	0071379	30.1768	336.1223	15.27202961	2518
1	11505U	79 73	C	79240.01812055	.11049911	19615-4	13749-3 0	71
2	11505	70.4133	92.5307	0036476	32.7253	327.7664	15.42964809	2675
1	11505U	79 73	C	79239.95718469	.08996060	19777-4	13043-3 0	63
2	11505	70.4099	92.7410	0037189	25.9495	334.3689	15.41003273	2665
1	11506U	79 73	D	79236.06736344	.04529216	18955-4	22128-3 0	23
2	11506	70.4115	104.2612	0100761	35.9004	324.8924	16.15448502	2038
1	11506U	79 73	D	79236.06736425	.04529434	18884-4	22134-3 0	34
2	11506	70.4115	104.2612	0100740	35.8995	324.8982	16.15448729	2038

79-74

Kosmos 1121

1	11488U	79 74	B	79226.94779893	.01762631	29052-4	10475-3 0	15
2	11488	67.1495	180.5540	0128263	69.4491	292.0408	15.07730824	30

79-76

Kosmos 1123

1	11497U	79 76	B	79233.70489152	.00000078	00000-0	00000 0 0	19
2	11497	81.3543		160.8731 0015704	31.0993	329.1218	16.19741316	45

79-77A

Kosmos 1124

1	11513U	79 77	C	79240.32106530	-.00000506	00000-0	00000 0 0	15
2	11513	62.8022		238.7905 0277492	119.5409	243.3699	15.54337446	32
1	11509U	79 77	A	79240.56733665	-.00000165	00000-0	00000 0 0	48
2	11509	62.9874		289.4604 7408081	313.3218	4.5861	1.97983002	16
1	11509U	79 77	A	79241.07243156	-.00000161	00000-0	00000 0 0	64
2	11509	62.9781		299.3732 7407892	318.3306	4.6720	1.97979546	24

79-78

Kosmos 1125

1	11511U	79 78	B	79240.16722371	-	.00000012	00000-0	00000 0 0	18
2	11511	74.0582		357.4176	0018083	55.1761	305.1085	14.25030363	05

1	11510U	79 78	A	79278.02245507		.00000602	00000-0	25659-3 0	.299
2	11510	74.0334		288.9434	0010904	315.2433	44.7808	14.27075038	5406

1	11510U	79 78	A	79282.01820662		.00000458	00000-0	19721-3 0	319
2	11510	74.0215		281.6933	0013044	310.3659	49.6309	14.27079361	5972

1	11510U	79078	A.	79283.42022333		.00000614	00000-0	00000-0 0 00337	
2	11510	74.0383		279.1631	0013938	311.5642	48.4262	14.27082515	6175

79-79

Kosmos 1126

1	11525U	79 79	D	79278.11309568	.00067553	00000-0	72193-3 0	329
2	11525	72.8629		73.4159 0012186	0.1112	0.0018	15.63543219	5410

79-80A

Kosmos 1127

1	11520U	79 80	A	79248.60928123	.00000748	00000-0	51292-7 0	13
2	11520	81.3483	163.1681	0043739	88.5937	272.0453	16.11529341	05

79-81A

Kosmos 1128

1	11529U	79	81	A	79257.69608559	-.00005769	39993-4	00000	0	0	19
2	11529	62.8155	175.4825	0117560	73.0922	288.3078	15.08031256				00

79-82A

HEAD 3

1	11532U	79	82	A	79279.00273404	.00014064	00000-0	57023-3	0	167
2	11532	43.6040	142.7608	0011697	30.0112	330.1415	15.24468186			2419

79-83A

Kosmos 1129

1	11536U	79 83	A	79282.80953700	0.00221268			29128-4	0	292
2	11536	62.8125		131.4861	0106252	110.2304	251.0320	15.97087801		2251

1	11536U	79083	A	79283.68597509	.00217226	00000-0	00000-0	0	00318	
2	11536	62.8160		128.0446	0102798	109.6852	251.5373	15.97471841		2391

79-84A-H

Kosmos 1130-1137

1	11538U	79084	A	79283.11472701	-.00000032	00000-0	00000-0	0	00210
2	11538	74.0262	308.2170	0052590	84.7847	275.9163	12.55951438		1794

79-85A

Kosmos 1138

1	11549U	79 85	B	79271.63087530	-.00001652	11401-4	00000 0 0	15
2	11549	72.8742	196.1883	0125699	82.5081	279.0409	15.97575756	24

1	11548U	79 85	A	79277.96082994	.00005943	00000-0	68957-4 0	234
2	11548	72.8609	180.9524	0034348	192.9598	167.0366	15.60569705	1013

1	11548U	79 85	A	79278.34544469	.00007189	00000-0	84538-4 0	247
2	11548	72.8609	180.0348	0034318	191.3480	168.2009	15.60579225	1073

1	11548U	79 85	A	79279.49925702	.00003995	00000-0	47393-4 0	277
2	11548	72.8598	177.2787	0034135	189.5946	170.4232	15.60683478	1252

1	11548U	79 85	A	79280.20435936	.00010054	00000-0	11874-3 0	283
2	11548	72.8612	175.5943	0034320	188.1422	171.8729	15.60702570	1367

1	11548U	79 85	A	79280.26846850	.00009603	00000-0	11346-3 0	293
2	11548	72.8606	175.4408	0034337	187.9642	172.1024	15.60703087	1371

1	11548U	79 85	A	79281.42226192	.00011442	00000-0	13503-3 0	306
2	11548	72.8646	172.6769	0033434	185.4488	174.5908	15.60719161	1559

1	11548U	79 85	A	79282.38375395	.00013611	00000-0	16010-3 0	319
2	11548	72.8621		170.3833 0033670	183.2743	176.8097	15.60740924	1703

1	11548U	79 85	A	79282.38375395	.00013611	00000-0	16010-3 0	320
2	11548	72.8621		170.3833 0033670	183.2743	176.8097	15.60740924	1703

1	11548U	79 85	A	79283.08883627	.00007626	00000-0	89582-4 0	335
2	11548	72.8623		168.7006 0033888	181.0596	178.9973	15.60740308	1815

1	11548U	79085	A	79283.72982962	.00010346	00000-0	00000-0 0 00346	
2	11548	72.8591		167.1650 0034662	178.5196	181.6075	15.60751106	1918

1	11548U	79 85	A	79285.20408862	.00001561	00000-0	18933-4 0	340
2	11548	72.8579		163.6453 0033411	176.8207	183.3246	15.60750815	2142

1	11548U	79095	A	79285.58864017	.00031898	00000-0	00000-0 0 00336	
2	11548	72.8621		162.7198 0027896	149.3928	210.8867	15.60889597	2203

79-87

Stationar - Ekran 4

1	11562U	79	87	3	79275.95387727	-	.00008551	59143-4	00000	0	0	14
2	11562	51.6234	278.0199	0012557	232.6962	127.2919	16.32864741					41

79-88A

Kosmos 1139

1	11564U	79 88	A	79278.47092990	-.00001730	11936-4	00000 0 0	11
2	11564	72.8629	190.8435	0095625	55.2219	295.8896	15.05229413	06
1	11564U	79 88	A	79278.84542306	-.00001579	11614-4	00000 0 0	29
2	11564	72.8572	189.9059	0098852	71.8233	289.3732	16.02723029	69
1	11564U	79 88	A	79279.34478383	.00232230	11530-4	24633-4 0	37
2	11564	72.8756	188.6251	0095649	70.5579	291.0447	15.03061221	144
1	11564U	79 88	A	79280.28072559	.00218020	11990-4	22512-4 0	43
2	11564	72.8588	186.2618	0096659	67.9246	293.2778	16.03444184	292
1	11564U	79 88	A	79281.40359666	.00235538	11739-4	24016-4 0	51
2	11564	72.8521	183.3924	0094351	64.9839	296.2538	16.03985653	477
1	11564U	79 88	A	79282.40135789	.00245298	11741-4	24697-4 0	63
2	11564	72.8499	180.8481	0092472	62.7937	298.2869	16.04473574	630
1	11564U	79 88	A	79282.40135789	.00245298	11741-4	24697-4 0	74
2	11564	72.8499	180.8481	0092472	62.7937	298.2869	16.04473574	630

1 11564U 79 88 A 79283.08715257 0.00243799 11535-4 24179-4 0 84
2 11564 72.8502 179.0962 0092096 60.9728 300.0346 16.04804182 746

1 11564U 79088 A 79283.71048594 .00272759 11742-4 00000-0 0 00099
2 11564 72.8589 177.5129 0093606 58.5818 302.4475 16.05160324 844

1 11564U 79 88 A 79285.14371792 .00242731 11652-4 23108-4 0 92
2 11564 72.8542 173.8465 0090354 55.8782 305.1219 16.05800787 1079

1 11564U 79088 A 79285.01910406 .00253484 11742-4 00000-0 0 00088
2 11564 72.8539 174.1646 0089812 56.1806 304.7886 16.05777400 1058

1 11564U 79088 A 79285.00436039 .00253566 11742-4 00000-0 0 00090
2 11564 72.8558 172.4153 0089071 55.2318 305.7207 16.06003524 1164

79-89A

Kosmos 1140

1	11573U	79 89	A	79284.75050641	-.00000016	00000-0	00000 0 0	19
2	11573	73.9260		276.8636	0116620	231.2752	127.7940 14.53281444	08
1	11573U	79089	A	79285.65995345	.00000012	00000-0	00000-0 0 00058	
2	11573	74.0638		275.2224	0018389	357.6724	2.4290 14.29991700	133

79-90 A

Kosmos 1141

1	11585U	79 90	A	79289.57089486	.00000006	00000-0	00000 0 0	16
2	11585	82.9428		236.8184 0027857	276.7589	83.0300	13.77722425	13
1	11585U	79 90	A	79289.64362708	.00000006	00000-0	00000 0 0	26
2	11585	82.9441		236.7816 0016648	249.8007	110.1360	13.75111418	24

79-91 A

Molnija 1

1	11589U	79 91	A	79294.36733434	.00000347	00000-0	00000 0 0	22
2	11589	62.8269		83.8908 7408946	288.2264	9.2407	1.95683999	39
1	11589U	79 91	A	79295.38942711	.00000074	00000-0	00000 0 0	55
2	11589	62.8157		83.7176 7408809	288.2485	9.3770	1.95605209	57

79-92 A

Kosmos 1142

1	11592U	79 92	A	79295.95167698	-.00001645	11276-4	00000 0 0	31
2	11592	72.8456		221.5115 0139197	84.2243	277.4791	15.94795551	77
1	11592U	79 92	A	79295.95167776	-.00001700	11931-4	00000 0 0	49
2	11592	72.8456		221.5115 0139197	84.2243	277.4436	15.94763297	75
1	11592U	79 92	A	79295.95167671	.00124935	11779-4	14750-4 0	51
2	11592	72.8500		221.5002 0137174	83.4476	278.2450	15.94845647	77
1	11592U	79 92	A	79296.01440283	.00235505	11394-4	27303-4 0	60
2	11592	72.8834		221.3504 0137983	84.0312	277.6797	15.94927750	80
1	11592U	79 92	A	79296.07712464	.00163713	11714-4	19197-4 0	79
2	11592	72.8507		221.1879 0137213	83.3316	278.3369	15.94905491	93
1	11592U	79 92	A	79296.26530092	.00224661	11337-4	26055-4 0	88
2	11592	72.8603		220.7290 0137404	83.0780	278.6408	15.95022986	128

1	11592U	79 92	A 79296.71278375	.00002268	00000-0	26055-4 0	90
2	11592	72.8637	219.6615 0047477	200.0138	159.9214	15.61120368	191

1	11592U	79 92	A 79298.25074367	.00016235	00000-7	18208-3 0	129
2	11592	72.8622	215.9924 0048118	193.3532	166.6123	15.61172111	435

1	11592U	79 92	A 79298.25074367	.00016235	00000-0	18208-3 0	130
2	11592	72.8622	215.9924 0048118	193.3532	166.6123	15.61172111	435

1	11592U	79 92	A 79300.49352810	.00007648	00000-7	85560-4 0	146
2	11592	72.8608	210.6284 0048793	188.9725	170.9312	15.61211330	786

1	11592U	79 92	A 79301.19841550	.00007799	00000-0	87364-4 0	140
2	11592	72.8635	208.9391 0048713	186.8845	173.1311	15.61223808	899

1	11592U	79 92	A 79300.62170992	.00012568	00000-0	14111-3 0	152
2	11592	72.8640	210.3249 0048038	188.4141	171.6318	15.61224092	805

1	11592U	79 92	A 79301.51881616	.00011512	00000-7	12940-3 0	158
2	11592	72.8619	208.1721 0047515	185.6701	174.3970	15.61236487	940

1	11592U	79 92	A 79302.41591166	.00010592	00000-0	11916-3 0	178
2	11592	72.8612	206.0330 0047596	184.4115	175.6831	15.61250556	1081

1	11592U	79 92	A 79305.87603573	.00009396	00000-0	10553-3 0	217
2	11592	72.8615	197.7615 0047383	176.6431	183.5123	15.61316539	1629

79-92A

Kosmos 1142

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1	11592U	79 92	A	79306.38863412	.00014281	00000-0	15957-3 0	228
2	11592	72.8611		196.5349	0047489	175.5388	184.6514 15.61337508	1707

1	11592U	79 92	A	79307.22159077	.00031917	00000-0	35408-3 0	247
2	11592	72.8605		194.5429	0047009	174.0660	186.1168 15.61374432	1835

1	11592U	79 92	A	79308.11858993	.00055169	00000-0	60898-3 0	277
2	11592	72.8615		192.3961	0047365	172.6889	187.2988 15.61380118	1970

79-93A

Kosmos 1143

1	11600U	79 93	A	79299.95254639	.00024393	00000-0	33600-2 7	03
2	11600	81.2075	331.3764	0022535	50.8950	309.4257	14.77042400	70
1	11600U	79 93	A	79300.29088142	.00024765	00000-0	33600-2 0	11
2	11600	81.2474	331.0108	0015060	4.7516	355.3828	14.78678840	81
1	11600U	79 93	A	79301.30589333	.00015539	00000-0	21092-2 0	103
2	11600	81.2334	329.9017	0016073	3.4128	356.7144	14.78697165	236
1	11600U	79 93	A	79301.52889514	.00012835	00000-0	17423-2 0	63
2	11600	81.2413	329.6838	0015416	4.1390	355.9974	14.78702264	263
1	11600U	79 93	A	79306.38088487	.00003332	00000-0	45088-3 0	144
2	11600	81.2408	324.3839	0015019	350.2497	9.7987	14.78725010	983

79-94A

MAGSAT

1	11604U	79 94	A	79308.00077640	.00188329	00000-0	34953-2	0	69
2	11604	96.7929		311.9563 2149922	118.7761	243.0357	15.36022126		667

1	11604U	79 94	A	79305.85105536	.00164326	00000-0	31360-2	0	42
2	11604	96.7967		309.9700 0150841	126.5215	231.9255	15.36116237		335

79-95A

Meteor 2-05

1	11605U	79 95	A 79304.38340838	.00000013	00000-0	00000 0 0	17
2	11605	81.2415	203.9837 0297620	274.6592	82.2649	14.66684105	08
1	11605U	79 95	A 79304.52582055	.00000005	00000-0	00000 0 0	38
2	11605	81.2303	204.1641 0030748	193.9396	166.0926	14.02919734	24
1	11605U	79 95	A 79304.88209391	.00000005	00000-0	00000 0 0	58
2	11605	81.2089	203.7888 0011564	216.1240	143.9147	14.03051598	72
1	11605U	79 95	A 79304.88209391	.00000005	00000-0	00000 0 0	69
2	11605	81.2089	203.7888 0011564	216.1240	143.9147	14.03051598	72
1	11605U	79 95	A 79305.16716216	.00000005	00000-0	00000 0 0	71
2	11605	81.2127	203.5261 0011980	214.9124	145.1537	14.03962846	118

79-96A

Interkosmos 20

1	11609U	79 96	A	79305.39300975	-.00000031	00000-0	00000 0 0	16
2	11609	74.0453	169.3621	0045786	332.7629	27.1209	15.27718721	01
1	11609U	79 96	A	79305.39302083	.00021100	00000-0	12312-2 0	20
2	11609	74.0280	169.3663	0145958	12.6990	347.7642	15.03278663	03
1	11609U	79 96	A	79305.39302392	.00032010	00000-0	12312-2 0	36
2	11609	74.0428	169.3629	0041283	331.9865	27.8005	15.25447512	01
1	11609U	79 96	A	79305.98327934	.00032035	00000-0	12312-2 0	47
2	11609	74.0453	168.1037	0040925	331.2666	28.6042	15.25485268	02
1	11609U	79 96	A	79320.53666764	.00052974	00000-0	19517-2 0	265
2	11609	74.0388	137.3334	0040243	295.1739	64.4911	15.26705159	2324
1	11609U	79 96	A	79324.46781724	.00043556	00000-0	15900-2 0	331
2	11609	74.0403	129.0126	0041192	287.1814	72.3824	15.27175589	2928

1	11609U	79 96	A	79328.39816888	.00038557	00000-0	13960-2 0	383
2	11609	74.0408	120.6851	0041306	279.0556	80.5800	15.27396735	3522

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Kosmos 1144

1	11611U	79 97	A	79306.84448493	-.00003992	27542-4	00000 0 0	12
2	11611	67.1519	267.3706	0143151	70.8927	290.7699	16.04344043	23
1	11611U	79 97	A	79306.96919213	-.00004004	27713-4	00000 0 0	24
2	11611	67.1611	266.9470	0140104	69.5448	292.3225	16.04626716	42
1	11611U	79 97	A	79307.21842108	.00915660	27626-4	58400-4 0	35
2	11611	67.1560	266.1019	0136567	68.7664	292.8454	16.05208432	80
1	11611U	79 97	A	79308.71195149	.01539889	27889-4	72202-4 0	74
2	11611	67.1664	261.0635	0134931	67.0879	294.4530	16.10155749	320
1	11611U	79 97	A	79309.39488539	.01369169	28206-4	61069-4 0	83
2	11611	67.1630	258.7547	0129254	66.4966	294.9677	16.11918309	436
1	11611U	79 97	A	79309.39488673	.01353768	28169-4	61093-4 0	99
2	11611	67.1631	258.7567	0129297	66.5840	294.9063	16.11913163	436

1	11611U	79 97	A 79310.32499342	.01274335	27949-4	50805-4 0	174
2	11611	67.1638	255.5993 0125521	65.3606	296.0181	16.14204001	581
1	11611U	79 97	A 79310.69665566	.01297794	28167-4	50613-4 0	112
2	11611	67.1699	254.3380 0121658	65.3227	296.1689	16.15209642	640
1	11611U	79 97	A 79310.88237547	.01378196	28238-4	53484-4 0	122
2	11611	67.1718	253.6919 0118343	64.9030	296.7545	16.15865141	678
1	11611U	79 97	A 79311.19172483	.01407476	28450-4	52139-4 0	131
2	11611	67.1652	252.6400 0116752	64.5721	296.9004	16.16800700	724
1	11611U	79 97	A 79311.31540823	.01414057	28674-4	52776-4 0	144
2	11611	67.1689	252.2225 0115106	64.2041	297.1413	16.17174661	748
1	11611U	79 97	A 79311.25355038	.01391561	28727-4	50494-4 0	155
2	11611	67.1633	252.4294 0117397	64.9331	296.3706	16.16070212	737
1	11611U	79 97	A 79311.50096457	.01551628	28495-4	56479-4 0	164
2	11611	67.1585	251.5805 0111913	64.6408	297.1272	16.17892010	773
1	11611U	79 97	A 79311.37166421	.01597811	28865-4	56015-4 0	175
2	11611	67.1633	250.3081 0107687	64.1892	297.2246	16.19148460	839
1	11611U	79 97	A 79312.18219986	.01025720	27899-4	56196-4 0	183
2	11611	67.1735	249.2859 0157559	81.7206	290.1815	16.073664875	883
1	11611U	79 97	A 79312.49397744	.01059149	27618-4	56196-4 0	192
2	11611	67.1601	248.2081 0156477	82.3036	279.6441	16.04340379	931

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Kosmos 1144 forts. 1

1	11611U	79 97	A	79313.30396601	.01131919	27700-4	56639-4	0	206
2	11611	67.1591		245.4843 0151172	81.8216	280.1923	16.06201052		1070

1	11611U	79 97	A	79313.92634769	.01353146	28036-4	64167-4	0	211
2	11611	67.1591		243.3873 0147099	81.1515	280.6299	16.07747410		1177

1	11611U	79 97	A	79314.17516912	.01160813	27538-4	53716-4	0	220
2	11611	67.1602		242.5483 0146272	81.0914	280.8120	16.08255115		1216

1	11611U	79 97	A	79314.29954359	.01309103	28182-4	60870-4	0	226
2	11611	67.1541		242.1230 0143395	80.8230	281.2310	16.08720613		1233

1	11611U	79 97	A	79315.60370713	.01335187	28559-4	54324-4	0	235
2	11611	67.1558		237.7047 0134916	79.5176	282.1407	16.12199301		1447

1	11611U	79 97	A	79316.03772745	.01431818	28551-4	56118-4	0	259
2	11611	67.1477		236.2232 0129732	79.4678	282.1102	16.13675634		1514

1	11611U	79 97	A	79316.47142622	.01553183	28675-4	57643-4	0	264
2	11611	67.1561		234.7521 0126352	77.8961	283.7555	16.15051532		1587

1	11611U	79 97	A	79316.84279359	.01961335	28880-4	69999-4	0	270
2	11611	67.1562		233.4834 0121628	78.6907	282.7639	16.16441796		1646

1	11611U	79 97	A 79317.39930010	-.00420279	28489-4	-17713-4	0	281
2	11611	67.1465	231.5819 0096128	75.1296	286.4864	16.18190731		1732
1	11611U	79 97	A 79317.58648260	.01101058	27743-4	51705-4	0	309
2	11611	67.1508	230.9499 0170908	63.8532	298.0124	16.03290611		1766
1	11611U	79 97	A 79317.83596203	.01138602	27921-4	51705-4	0	310
2	11611	67.1559	230.1192 0170158	63.5867	298.2850	16.03905171		1806
1	11611U	79 97	A 79318.14760828	.01893188	27569-4	84457-4	0	327
2	11611	67.1557	229.0652 0164828	63.8442	297.9579	16.05187131		1856
1	11611U	79 97	A 79318.27220688	.01848180	27055-4	84017-4	0	330
2	11611	67.1555	228.6447 0160643	64.3779	297.4807	16.05738275		1877
1	11611U	79 97	A 79318.77019977	.01015092	28117-4	91884-4	0	349
2	11611	67.1555	226.700 0154870	63.6866	298.2107	16.07718164		1951
1	11611U	79 97	A 79319.26765573	.01830813	27815-4	74555-4	0	354
2	11611	67.1545	225.2842 0140722	63.4848	298.1573	16.0.902277		2038
1	11611U	79 97	A 79319.26766621	.01519483	28264-4	61207-4	0	366
2	11611	67.1533	225.2815 0152138	62.9362	298.6700	16.09073537		2038
1	11611U	79 97	A 79320.77637512	.20914481	26272-4	61207-4	0	371
2	11611	67.1671	222.6333 0192141	80.6617	281.6240	15.93044686		2161
1	11611U	79 97	A 79320.13912110	.00936539	26792-4	61207-4	0	391
2	11611	67.1570	222.3421 0193348	80.3275	281.9752	15.94060008		2174

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Kosmos 1144 for ts 2

1	11611U	79 97	A	79320.32906485	.00806465	27548-4	51657-4	0	402
2	11611	67.1566	220.2602	0189382	79.7212	282.5266	15.95162877		2288

1	11611U	79 97	A	79321.39320641	.00879354	27062-4	54858-4	0	411
2	11611	67.1539	218.1877	0186104	79.1699	283.2160	15.96197255		2372

1	11611U	79 97	A	79322.39517421	.00887773	27563-4	53107-4	0	423
2	11611	67.1447	214.8519	0180283	78.1588	283.9521	15.97968901		2535

1	11611U	79 97	A	79323.27101271	.00891828	27358-4	50850-4	0	434
2	11611	67.1512	211.9377	0175858	77.3546	284.7439	15.99545380		2671

1	11611U	79 97	A	79324.08351045	.00982757	27631-4	53591-4	0	442
2	11611	67.1538	209.2245	0170882	76.8375	285.4671	16.01165494		2909

1	11611U	79 97	A	79324.08351045	.00982757	27631-4	53591-4	0	453
2	11611	67.1538	209.2245	0170882	76.8375	285.4671	16.01165494		2909

1	11611U	79 97	A	79327.20894237	.01366374	27078-4	58346-4	0	512
2	11611	67.1474	198.7873	0201058	74.7443	288.5732	15.98462936		3301

1	11611U	79 97	A	79328.33407948	.01441350	27557-4	57328-4	0	524
2	11611	67.1460	195.0272	0189686	72.7482	289.7850	16.01748909		3489

1	11611U	79 97	A	79325.76813945	.01128956	28082-4	55016-4	0	461
2	11611	67.1525	203.5705	0159738	74.9490	287.4156	16.04047280		3070

1	11611U	79 97	A	79325.95528318	.00983283	26752-4	55016-4	0	479
2	11611	67.1590		202.9444 0205799	75.2417	287.1471	15.93800473		7107
1	11611U	79 97	A	79326.33225300	.01224031	27551-4	55016-4	0	490
2	11611	67.1489		201.7039 0209156	74.6638	287.7554	15.96104772		3166

1	11611U	79 97	A	79326.33225300	.01224031	27551-4	55016-4	0	491
2	11611	67.1489		201.7039 0209156	74.6638	287.7554	15.96174772		3166

1	11611U	79 97	A	79328.33407948	.01441350	27557-4	57308-4	0	524
2	11611	67.1460		195.0272 0189686	72.7482	289.7850	16.01748009		3489

1	11611U	79 97	A	79329.58097984	.01900788	28230-4	66047-4	0	553
2	11611	67.1481		190.8350 0174040	71.7980	290.2044	16.06514402		3680

1	11611U	79 97	A	79330.26524693	.01913919	28349-4	61880-4	0	565
2	11611	67.1476		188.5237 0166383	71.1399	290.8447	16.09160953		3797

1	11611U	79 97	A	79331.01259003	.01054400	27386-4	55102-4	0	616
2	11611	67.1455		186.0072 0191160	55.7648	306.1447	15.97740445		3911

1	11611U	79 97	A	79331.82593782	.01104887	26989-4	55102-4	0	624
2	11611	67.1449		183.2927 0185447	54.9448	307.0061	15.99547123		4049

1	11611U	79 97	A	79332.26348417	.01179049	27830-4	57305-4	0	632
2	11611	67.1439		181.8337 0181889	54.6731	307.2585	16.00620020		4117

1	11611U	79 97	A	79330.76219895	.01906644	27781-4	59315-4	0	572
2	11611	67.1460		186.8406 0159139	70.9363	291.1627	16.11105185		3870

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Kosmos 1144 . forts. 3

1	11611U	79 97	A	79330.76219895	.01906644	27781-4	59315-4	0	583
2	11611	67.1460	186.8405	0159139	70.9363	291.1627	16.11105185		3870
1	11611U	79 97	A	79331.01256357	.01134247	27694-4	59315-4	0	604
2	11611	67.1460	186.0067	0191015	55.7694	305.9903	15.97756006		3914
1	11611U	79 97	A	79330.82477705	.01104675	27216-4	59315-4	0	594
2	11611	67.1349	186.6125	0189841	55.6231	306.2745	15.97610762		3883
1	11611U	79 97	A	79332.63827616	.01154539	27800-4	54827-4	0	647
2	11611	67.1405	180.5815	0179233	54.1510	307.5859	16.01476494		4174
1	11611U	79 97	A	79332.63828166	.01154304	27733-4	54808-4	0	653
2	11611	67.1404	180.5815	0179245	54.1433	307.6247	16.01476036		4175
1	11611U	79 97	A	79333.26252930	.01170232	27743-4	52772-4	0	661
2	11611	67.1421	178.4872	0175295	53.5280	309.7338	16.02979077		4272
1	11611U	79 97	A	79335.87571244	.02757156	28490-4	96486-4	0	715
2	11611	67.1396	169.6607	0141152	51.9713	310.2226	16.13076030		4691

1	11611U	79	97	A	79336.18538836	.03199075	28578-4	10512-3	0	725
2	11611	67.1399	168.5969	0134865	51.7872	309.5374	16.15107360			4744
1	11611U	79	97	A	79336.49483473	.03353396	28779-4	10320-3	0	732
2	11611	67.1424	167.5464	0128671	51.4824	309.8440	16.17137100			4793
1	11611U	79	97	A	79334.25979046	.01774758	27817-4	73553-4	0	682
2	11611	67.1416	175.1325	0164150	52.6318	308.8800	16.06330904			4434
1	11611U	79	97	A	79335.50501583	.01787426	27885-4	66210-4	0	704
2	11611	67.1450	170.9183	0148931	51.6034	319.6406	16.10828324			4636
1	11611U	79	97	A	79337.23607745	.02059716	28257-4	10320-3	0	746
2	11611	67.1277	165.0029	0114596	72.8660	288.5044	16.12729701			4911

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DSCS 13,14

1	11623U	79	98	C	79327.98261076	-.00002046	00000-0	00000 0 0	51
2	11623				2.4184 276.6216 0327297	179.9418	179.3773	0.05337141	7
1	11621U	79	98	A	79332.81789983	-.00000197	00000-0	00000 0 0	34
2	11621				2.4132 276.8038 0023130	15.1742	345.7916	1.03609827	87
1	11621U	79	98	A	79335.79969666	-.00000225	00000-0	00000 0 0	99
2	11621				2.4052 276.7148 0023265	14.8418	345.5310	1.20615491	114

79-99 A

Kosmos 1145

1	11629U	79 99	A	79331.47197424	.00000000	00000-0	00000 0 0	26
2	11629	81.2059	238.3815	0008328	314.9876	45.0658	14.80317395	15
1	11629U	79 99	A	79344.24630706	.00007519	00000-0	98000-3 0	193
2	11629	81.2138	224.4188	0006614	274.3744	25.6918	14.80479018	1900

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Kosmos 1146

1	11632U	79100	A	79339.69051566	-.20000112	00000-0	00000 0 0	39
2	11632	65.8538	189.0719	0037174	337.7891	22.1651	15.32131430	41
1	11632U	79100	A	79339.55983179	-.20000115	00000-0	00000 0 0	19
2	11632	65.8634	189.4811	0043318	339.6440	20.2974	15.33313489	23
1	11632U	79100	A	79339.95162001	-.20000112	00000-0	00000 0 0	46
2	11632	65.8531	188.2344	0036649	336.9427	23.7651	15.32174970	90
1	11632U	79100	A	79341.45289709	.20021843	00000-0	68849-3 0	62
2	11632	65.8517	183.4642	0036983	335.4189	24.5251	15.32227070	312
1	11632U	79100	A	79344.78163538	.00021848	00000-0	68575-3 0	109
2	11632	65.8517	172.8856	0036984	333.1171	26.8051	15.32362364	820
1	11632U	79100	A	79348.50159687	.00023520	00000-0	73313-3 0	164
2	11632	65.8524	161.0615	0037362	330.6694	29.2371	15.32539276	1410

1	11632U	79100	A	79349.28469046	.00024107	00000-0	75017-3	0	179
2	11632	65.8524	158.5713	0037401	330.2272	29.6794	15.32579444		1539

1	11632U	79100	A	79354.43957399	.00018265	00000-0	56526-3	0	223
2	11632	65.8552	142.1724	0039093	327.7757	32.0996	15.32809358		2329

1	11632U	79100	A	79360.31150081	.00013236	00000-0	40076-3	0	304
2	11632	65.8553	123.4949	0038779	324.7807	35.2806	15.32975034		3200

1	11632U	79100	A	80 18.40044827	.00022740	00000-0	67408-3	0	518
2	11632	65.8553	49.9841	0043795	314.9547	44.7883	15.33873665		6741

1	11632U	79100	A	80 28.04970617	.00014441	00000-0	42788-3	0	641
2	11632	65.8515	19.2448	0043685	312.0970	47.6404	15.34108790		8226

1	11632U	79100	A	80 36.71932042	.00023480	00000-0	68664-3	0	727
2	11632	65.8573	351.5929	0040254	303.0506	56.6590	15.34437867		9564

1	11632U	79100	A	80 60.04635802	.00015304	00000-0	43778-3	0	886
2	11632	65.8510	277.1615	0042070	291.1777	68.5120	15.35246020		13145

1	11632U	79100	A	80 62.06575895	.00016405	00000-0	46807-3	0	900
2	11632	65.8511	270.7156	0042372	299.9498	69.7094	15.35316599		13451

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1	11635U	79101	A	79340.87226317	.00025119	-42932-4	00009-4	7	12
2	11635	23.8310		278.6134	7323164	178.7590	188.7597	2.27701632	30
1	11635U	79101	A	79341.30929045	.00058429	15356-4	40999-3	7	53
2	11635	23.7136		278.3220	7305696	178.5005	186.9768	2.28155776	15

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Kosmos 1147

1	11638U	79102	A	79346.51255914	-.00001633	11096-4	00000 0 0	17
2	11638	72.8636	272.9165	0138840	87.5279	274.1837	15.95281675	08
1	11638U	79102	A	79347.07695055	-.00001629	11185-4	00000 0 0	28
2	11638	72.8640	271.4916	0138772	86.6131	275.1779	15.95362879	93
1	11638U	79102	A	79347.39164068	-.00000071	00000-0	00000 0 0	39
2	11638	72.8792	270.7111	0042025	123.7276	236.7956	15.69616977	146
1	11638U	79102	A	79347.51907056	-.00000062	00000-0	00000 0 0	46
2	11638	72.8631	270.4210	0048326	199.7291	160.2054	15.60876110	165
1	11638U	79102	A	79347.83953583	-.00000065	00000-0	00000 0 0	51
2	11638	72.8723	269.6584	0049261	197.6845	162.2987	15.60914255	218
1	11638U	79102	A	79348.54452780	.00007665	00000-0	86557-4 0	62
2	11638	72.8727	267.9752	0049346	196.7985	163.8649	15.60937523	329
1	11638U	79102	A	79349.31361193	.00010495	00000-0	11898-3 0	76
2	11638	72.8722	266.1376	0049138	194.1690	165.8132	15.60953776	448

1	11638U	79102	A	79349.37770207	.00012016	00000-0	14503-3	0	98
2	11638	72.8728		265.9842 0048966	194.2040	165.7953	15.67959845		459

1	11638U	79102	A	79350.14677247	.00008653	00000-0	97757-4	0	94
2	11638	72.8728		264.1450 0048753	192.3364	167.6293	15.67965456		575

1	11638U	79102	A	79350.27495744	.00007791	00000-0	87996-4	0	116
2	11638	72.8724		263.8386 0048692	192.2140	167.7904	15.60967243		506

1	11638U	79102	A	79351.42855811	.00012449	00000-0	14064-3	0	121
2	11638	72.8708		261.0840 0049057	189.5626	170.4971	15.60998418		770

1	11638U	79102	A	79351.42855179	.00010179	00000-0	11530-3	0	132
2	11638	72.8702		261.0842 0049054	189.4719	170.5495	15.60995078		776

1	11638U	79102	A	79352.77439385	.00006034	00000-0	68210-4	0	142
2	11638	72.8682		257.8685 0048707	186.5054	173.5209	15.61010926		985

1	11638U	79102	A	79353.41527273	.00009343	00000-0	10587-3	0	158
2	11638	72.8703		256.3382 0048777	185.1429	174.9465	15.61028374		1082

1	11638U	79102	A	79354.31248046	.00005873	00000-0	66372-4	0	165
2	11638	72.8716		254.1949 0048629	182.9741	177.0872	15.61034654		1229

1	11638U	79102	A	79357.06817501	.00007623	00000-0	85859-4	0	197
2	11638	72.8681		247.6123 0048174	176.3627	183.7836	15.61072697		1656

1	11638U	79102	A	79357.13183024	.00013597	00000-0	85859-4	0	200
2	11638	72.8687		247.4528 0088064	195.3845	164.4694	15.71067662		1660

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1	11638U	79102	A	79355.53012558	.00008125	00000-0	91534-4	0	180
2	11638	72.8706		251.2869 0048175	180.1756	179.9956	15.61055322		1415
1	11638U	79102	A	79357.25918557	.00020851	00000-0	13309-3	0	212
2	11638	72.8692		247.1507 0085825	193.4949	166.3613	15.71143455		1685

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Soyuz T

1	11640U	79103	A	79350.75858291	.01545736	58135-4	59999-4	0	17
2	11640	51.6258		280.5607	0007796	161.6937	198.4367	16.28005438	40
1	11640U			79350.88277713	.01431758	14253-4	11294-3	0	22
2	11640	51.6211		279.8699	0029641	221.5913	158.3857	16.14696360	68
1	11640U			79351.25403336	.00778570	00000-0	59647-4	0	38
2	11640	51.6211		277.8535	0027971	204.6539	155.3125	16.15303040	126
1	11640U			79351.50162599	.00066845	00000-0	59647-4	0	45
2	11640	51.6263		276.5049	0021561	165.9333	194.2289	16.11497829	165
1	11640U			79351.81167529	.02251020	55198-2	20590-2	0	54
2	11640	51.6235		274.8143	0023536	163.6612	196.8233	16.12459100	213
1	11640U			79351.99749885	.01884907	31302-2	15837-2	0	69
2	11640	51.6230		273.8086	0024193	153.7936	196.2649	16.13034426	242
1	11640U			79352.61696650	.00622040	22757-3	48426-3	0	74
2	11640	51.6230		270.4307	0021866	167.9224	192.2322	16.13591618	347

1	11640U		79352.86881987	.00341121	00000-0	31939-2 0	83
2	11640	51.6161	269.1219 0037432	288.0716	71.6469	15.64742470	388
1	11640U		79353.18812164	.00113460	00000-0	10921-2 0	92
2	11640	51.6193	267.5056 0036911	288.2737	71.3382	15.64803257	439
1	11640U		79353.44359197	.00067964	00000-0	66010-3 0	102
2	11640	51.6182	266.2087 0036448	288.803	70.9026	15.64813368	475
1	11640U		79353.44359574	.00068184	00000-0	66019-3 0	117
2	11640	51.6213	266.2157 0038542	292.6807	67.0115	15.64788910	477
1	11640U		79354.45906085	.00094986	00000-0	60489-3 0	129
2	11640	51.6191	260.9876 0002457	220.7043	138.9629	15.75647360	632
1	11640U	79 103A	79357.06005525	.00094379	00000-0	60489-3 0	135
2	11640	51.6201	247.6091 0004814	247.2598	112.7895	15.75492743	1047
1	11640U		79357.12348426	-.00002408	00000-0	-13411-4 0	141
2	11640	51.6200	247.2815 0005072	246.5139	113.5352	15.75483161	1058
1	11640U		79357.75775392	.00072399	00000-0	46450-3 0	39
2	11640	51.6155	244.0109 0004759	245.5785	114.4876	15.75576775128538	
1	11640U		79359.78920213	.00043852	00000-0	42648-3 0	166
2	11640	51.6243	233.5774 0010322	270.9147	89.0666	15.65770607128857	
1	11640U		79360.17213417	.00041822	00000-0	40649-3 0	177
2	11640	51.6214	231.6324 0008872	267.8392	02.1589	15.65823540	1538

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Soyuz T forts. 1

1	11640U		79365.46872523	.72039367	00000-0	37729-3 0	160
2	11640	51.6224	204.7427	0009082	280.3651	79.6322 15.66202247	2360

1	11640U		80 11.37558441	.00053967	00000-0	48974-3 0	197
2	11640	51.6223	149.3106	0010102	333.7417	26.3067 15.67401492	4073

1	11640U		80 11.43934160	.00053567	00000-0	48974-3 0	202
2	11640	51.6191	148.9912	0009759	332.8478	27.2006 15.67406720	4094

1	11640U		80 11.43934160	.00053672	00000-0	48974-3 0	216
2	11640	51.6175	148.9901	0009913	332.6124	27.4349 15.67405931	4086

1	11640U	79 103 A 80	14.24437032	.00069844	00000-0	62540-3 0	228
2	11640	51.6189	134.7095	0010193	346.9181	13.7102 15.67811547	4529

1	11640U	79 103 A 80	15.32779834	.00073134	00000-0	64317-3 0	240
2	11640	51.6138	129.1716	0014412	353.2655	6.8146 15.67979537	4698

1	11640U	79 103 A 82	20.36180497	.00035187	00000-0	30774-3 0	269
2	11640	51.6215	103.5583	0010661	9.0709	350.5300 15.68496534	5481

1	11640U	79 103 A 80	17.62203390	.00053154	00000-0	46872-3 0	273
2	11640	51.6127	117.4821	0012565	358.2347	1.7939 15.6820910/	5058

1	11640U	79	103	A	80	17.62203390	.00053154	00000-0	46872-3	0	273
2	11640	51.6127	117.4821	0012565	358.2347	1.7939	15.682091071	6058			

1	11640U	79	103	A	80	29.34302719	.00068007	00000-0	56807-3	0	294
2	11640	51.6356	57.7297	0008390	42.3800	317.7846	15.69353312	6891			

1	11640U	79	103	A	80	18.19553173	.00060262	00000-0	52637-3	0	238
2	11640	51.6124	114.5640	0009059	356.5862	3.7062	15.68298253	5145			

1	11640U	79	103	A	80	29.40670476	.00056432	00000-0	47210-3	0	308
2	11640	51.6209	57.4424	0011782	47.2317	312.8717	15.69347534	6907			

1	11640U	79	103	A	80	29.40672161	.00055280	00000-0	46529-3	0	325
2	11640	51.6209	57.4419	0011853	46.6974	313.5010	15.69346320	6908			

1	11640U	79	103	A	80	35.26397159	.00056415	00000-0	46205-3	0	338
2	11640	51.6191	27.5413	0011459	67.3448	292.9071	15.69968607135209				

1	11640U	79	103	A	80	41.30937752	.00071833	00000-0	56355-3	0	351
2	11640	51.6193	356.6554	0011390	91.8725	268.1205	15.70801362136151				

1	11640U	79	103	A	80	72.37884363	.00074874	00000-0	49519-3	0	409
2	11640	51.6162	197.2975	0009785	219.1640	142.8553	15.74399854141047				

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Soyuz T

forts. 2

1 11640U 79 103 A 80 61.26948469 .00065627 00000-0 46562-3 0 380
 2 11640 51.6247 254.4023 0012311 170.2458 189.9216 15.73358528139296

1 11640U 79 103 A 80 72.37884840 .00074216 00000-0 49153-3 0 412
 2 11640 51.6145 197.3065 0008149 219.8162 140.2240 15.74997573141048

1 11640U 79 103 A 80 75.55082485 .00072333 00000-0 46978-3 0 423
 2 11640 51.6155 180.9683 0008410 231.6216 128.0377 15.75439788141546

1 11640U 79 103 A 80 79.29275089 .00084559 00000-0 53135-3 0 439
 2 11640 51.6202 161.7044 0006453 249.6683 110.3626 15.75977411142136

27 79 103 A 80 79.35616191 .00083815 00000-0 53135-3 0 443
 2 11640 51.6190 161.3981 0007240 246.7444 113.2794 15.75979914142145

1 11640U 79 103 A 80 84.17557690 .00014599 00000-0 99999-4 0 451
 2 11640 51.6141 136.5354 0002068 48.7299 311.3845 15.74490009142904

1 11640U 79 103 A 80 84.17557748 .00014629 00000-0 99999-4 0 460
 2 11640 51.6031 136.5527 0004593 24.7744 335.3079 15.74529396142905

1	11640U	79	103	A	80	85.31762532	.70080059	00000-0	51491-3	0	471
2	11640	51.6210	130.6973	0001355	342.9368	17.1697	15.75492371	1143088			
1	11640U	79	103	A	80	85.36390721	.00912704	00000-0	52618-2	0	472
2	11640	51.6260	132.0003	0002131	40.5482	319.5678	15.75545378	1143044			
1	11640U	79	103	A	80	86.20554741	.00164184	00000-0	10275-2	0	477
2	11640	51.6232	126.1284	0002764	4.1050	355.9972	15.75792339	1143229			

1	11740U				80	85.76406328	.00154450	00000-0	10211-2	0	13
2	11740	51.6250	131.9979	0004397	66.3550	293.7912	15.74557284	1143044			
1	11740U				80	87.53712014	.00170878	00000-0	10478-2	0	27
2	11740	51.6191	119.2547	0001346	41.1089	319.0013	15.76237383	1143431			

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Ariane L01

LPP den 24 dec. 1979 från Kourou

1	11645U		80	9.92361739	.00000074	02000-0	00000 0 0	9539
2	11645	17.7257	135.3951	7288235	222.3358	93.7176	2.28692213	379
1	11659U		80	10.08381834	.00005984	-41327-4	00000 0 0	17
2	11659	17.6223	135.4892	7307647	202.0318	94.2260	2.27866628	07
1	11645U	79-104A	80	17.66402972	.00101354	-40424-4	33450-3 0	9570
2	11645	17.7454	132.0566	7283701	207.8895	78.3369	2.32838653	03

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Gorizont 3

1	11651U		79363.82847986	.12825384	60998-4	10503-3 0	15
2	11651	51.6293	276.1008 0011599	229.7145	130.2872	16.47095400	39
1	11651U		79364.01027395	.08289567	60805-4	64941-4 0	21
2	11651	51.6267	275.0748 0010514	221.0357	138.1882	16.49616713	35
1	11648U		79363.49330672	-.00000002	00000-0	00000 0 0	30
2	11648	0.7802	276.9496 0011613	292.7784	149.7777	0.98507225	39
1	11651U		79363.76781338	.05556974	60627-4	70373-4 0	42
2	11651	51.6377	276.4642 0006141	289.9347	70.1020	16.44035051	09
1	11648U		80 3.58551002	.00000160	00000-0	00000 0 0	40
2	11648	0.9422	270.2519 0104536	225.6815	224.9391	1.02170892	81
1	11648U		80 4.56411689	.00000127	00000-0	00000 0 0	59
2	11648	0.8357	257.4435 0034430	146.2024	316.6397	1.00033184	92
1	11648U		80 6.55933446	.00000126	00000-0	00000 0 0	82
2	11648	0.8599	244.9644 0005336	296.1289	179.7301	1.00260663	117

1	11660U	79-105D	80	9.14413497	.00006531	00000-0	34991-2 0	11
2	11660	47.2174	280.2232	7297865	2.9709	359.7130	2.24268905	265
1	11660U		80	10.92755743	.00006556	00000-0	34259-2 0	25
2	11660	47.2396	279.7342	7298404	3.4370	359.6707	2.24292420	306
1	11661U		80	10.05849744	.00002921	00000-0	34244-2 0	23
2	11661	47.2536	280.2203	7287211	3.1445	359.6918	2.23823482	280
1	11661U	79 105 D	80	14.07914938	.00003023	00000-0	35791-2 0	63
2	11661	47.2485	278.9351	7280717	4.2096	359.5791	2.23849246	374
1	11648U		80	9.55135166	.00000180	00000-0	00000 0 0	101
2	11648	0.9630	278.5754	0011927	2.0868	79.2452	1.00257368	148
1	11648U		80	6.55895976	.00000182	00000-0	00000 0 0	90
2	11648	0.8788	252.9945	0006691	282.6491	184.3458	1.00260658	116
1	11648U	79 105 A	80	13.54084994	.00000183	00000-0	00000 0 0	113
2	11648	0.8171	277.7568	0012660	266.7812	175.5135	1.00262534	187
1	11648U	79 105 A	80	16.53273383	.00000127	00000-0	00000 0 0	126
2	11648	0.7497	276.4252	0011447	273.9488	169.5957	1.00263341	210

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1	11644U		79354.84812838	.00366904	00000-0	13222-2 0	10
2	11644	50.6562	211.4429	0062271	116.9096	243.8275 15.84104520	26048
1	11643U	79-105A	79354.59580925	.00360955	00000-0	13222-2 0	10
2	11643	50.6644	212.7705	0064545	118.7112	242.0385 15.83575019	26007

1	11643U	79 105A	79355.98733881	.01703606	00000-0	56154-2 0	77
2	11643	50.6759	205.4366	0068337	109.8186	251.0309 15.82813160	26222

1	11643U		79359.57207886	.02292224	50553-2	56154-2 0	98
2	11643	50.6782	186.2330	0044278	124.0674	236.4538 15.95671017	26794

1	11643U	79 105A	79355.98733881	.01703606	00000-0	56154-2 0	101
2	11643	50.6759	205.4366	0068337	109.8186	251.0309 15.82813160	26222

1	11644U		79355.91900789	.01722140	18613-2	57017-2 0	79
2	11644	50.6630	205.6930	0054561	121.2096	239.4183 15.88107406	26219

1	11644U		79358.86450338	.02574693	93922-2	49470-2 0	63
2	11644	50.6647	189.7798	0036154	133.0281	227.3757 16.01829316	26684

1	11643U		79354.78655833	.00309615	00000-0	13222-2 0	29
2	11643	50.6863	211.7505 0074220	109.1912	251.7129	15.79629182	26032

1	11643U		79355.98733881	.01703606	00000-0	56154-2 0	66
2	11643	50.6759	205.4366 0068337	109.8186	251.0309	15.82813160	26222

1	11643U		79356.98733881	.01703606	00000-0	56154-2 0	123
2	11643	50.6759	205.4366 0068337	109.8186	251.0309	15.82813160	26222

1	11643U		79359.94758913	.02271690	50062-2	50399-2 0	118
2	11643	50.6715	184.1898 0042425	127.5562	232.9302	15.07524785	26850

1	11644U		79354.84812838	.00366904	00000-0	13222-2 0	21
2	11644	50.6562	211.4429 0062271	116.9096	243.8275	15.84104520	26048

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1148

1	11649U	79106	A	79363.21754093	-.00003973	27383-4	00000 0 0	16
2	11649	67.1409		275.6023 0127825	66.5368	294.9198	16.06147995	15
1	11649U	79106	A	79363.27981297	-.00004069	28161-4	00000 0 0	23
2	11649	67.1365		275.3899 0127825	66.4727	294.9832	16.06144976	24
1	11649U	79106	A	79363.65342017	.00291762	27519-4	19101-4 0	36
2	11649	67.1378		274.1400 0128290	55.7681	295.6852	16.06326920	84
1	11649U	79106	A	79364.40047028	.00304186	27665-4	19524-4 0	42
2	11649	67.1371		271.6220 0127361	64.7141	296.7640	16.06856152	207
1	11649U	79106	A	79364.40047028	.00304186	27665-4	19524-4 0	53
2	11649	67.1371		271.6220 0127361	64.7141	296.7640	16.06856152	296
1	11649U	79106	A	79365.08505505	.00310596	27993-4	19644-4 0	67
2	11649	67.1364		269.3134 0126162	64.0442	297.3653	16.07296171	405
1	11649U	79106	A	79365.52060426	.00304534	28235-4	19061-4 0	84
2	11649	67.1382		267.8432 0125607	63.7245	297.6299	16.07561791	478
1	11649U	79106	A	79365.64504426	.00303889	27850-4	18070-4 0	92
2	11649	67.1377		267.4241 0125363	63.6090	297.7896	16.07637483	502
1	11649U	79106	A	79365.83168614	.00260790	27950-4	16306-4 0	117
2	11649	67.1407		266.7954 0125033	63.4178	297.9758	16.07710359	523

1	11649U	79106	A	79365.89389532	.00296293	27894-4	18471-4	0	145
2	11649	67.1366	266.5848	0124769	53.4807	307.9138	16.07772761		538

1	11649U	79106	A	80	3.25665546	.00346182	27976-4	20466-4	0	143
2	11649	67.1396	258.5933	0119954	60.8982	300.4757	16.09404584		919	

1	11649U	79106	A	80	3.75376429	.00345616	28348-4	20146-4	0	155
2	11649	67.1376	256.9172	0119156	67.3872	302.9750	16.29751717		1005	

1	11649U	79106	A	80	4.18864299	.00349597	28179-4	20145-4	0	167
2	11649	67.1376	255.4375	0119479	59.9192	301.8678	16.13067865		1279	

1	11649U	79106	A	80	4.37499657	.00356261	28263-4	20343-4	0	171
2	11649	67.1347	254.8044	0118474	59.8165	301.4674	16.12209457		1122	

1	11649U	79106	A	80	5.18234497	.00368491	27750-4	20578-4	0	189
2	11649	67.1345	252.0668	0116793	58.8949	302.4222	16.10821258		1233	

1	11649U	79106	A	80	5.98936177	.00336635	27905-4	20466-4	0	207
2	11649	67.1298	249.3284	0136057	56.9623	304.4551	16.06169252		1361	

1	11649U	79106	A	80	6.61199041	.00341808	28028-4	20466-4	0	226
2	11649	67.1194	247.2274	0135151	55.6003	305.7180	16.06566343		1469	

1	11649U	79106	A	80	7.04773250	.00365965	27722-4	21774-4	0	216
2	11649	67.1202	245.7607	0133753	55.3887	305.9172	16.06900151		1535	

1	11649U	79106	A	80	7.42116820	.00373267	28071-4	21923-4	0	235
2	11649	67.1297	244.4991	0133236	55.1840	306.1909	16.07197538		1592	

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1	11649U	79106	A	80	8.97638564	.00403585	28158-4	22750-4	0	240
2	11649	67.1341	239.2422	0129799	53.6671	307.7432	16.08421914			1849

1	11649U	79106	A	80	9.03855124	.00391326	28113-4	22045-4	0	257
2	11649	67.1350	239.0318	0129642	53.8179	307.4916	16.08463179			1950

1	11649U	79106	A	80	9.16290941	.00393445	28152-4	22004-4	0	266
2	11649	67.1341	238.6115	0129698	53.5215	307.7695	16.08564226			1870

1	11649U	79106	A	80	9.22508941	.00303610	27695-4	21971-4	0	273
2	11649	67.1342	238.4012	0129577	53.4473	307.8567	16.08614025			1887