

83-01A

Kosmos 1428

1	13757U	93	1	A	93	13.29862807	.00000006	30000-0	00000 0 0	22
2	13757	92.9152	349.6377	0033619	284.7843	74.9518	13.75592789			92
1	13757U	93	1	A	93	13.30778423	.00000006	30000-0	00000 0 0	30
2	13757	92.9133	349.2986	0034624	283.6111	76.1182	13.75566546			162

83-02A

Kosmos 1429-1436

1	13761U	83	2	A	83	19.48329184	-.00000006	00000-0	00000 0 0	10
2	13761	74.2209	161.9210	0033798	250.6033	91.5277	12.43197071			31
1	13762U	83	2	B	83	19.40251152	-.00000006	00000-0	00000 0 0	24
2	13762	74.0325	162.0584	0021823	272.4250	30.5010	12.45509895			75
1	13763U	83	2	C	83	19.40251152	-.00000006	00000-0	00000 0 0	25
2	13763	74.0376	162.0599	0013082	240.7340	114.0180	12.47690920			77
1	13764U	83	2	D	83	19.40251152	-.00000006	00000-0	00000 0 0	25
2	13764	74.0310	162.0231	0001350	180.3828	175.9112	12.49882524			75
1	13765U	83	2	E	83	19.40251152	-.00000006	00000-0	00000 0 0	27
2	13765	74.0309	162.0638	0009569	123.7886	234.9461	12.52449472			72
1	13766U	83	2	G	83	19.40251152	-.00000006	00000-0	00000 0 0	28
2	13766	74.0274	162.0157	0022080	108.5891	251.3414	12.53955465			61
1	13767U	83	2	H	83	19.40251152	-.00000006	00000-0	00000 0 0	29
2	13767	74.0248	162.0470	0030046	112.6128	249.4893	12.56429262			69

1	13758U	83	2	H	83	19.40251152	-.00000007	00000-0	00000 0 0	21
2	13758	74.0254	162.0358	0041991		92.6932	271.4070	12.57442665		63
1	13759U	83	2	J	83	19.40251152	-.00000006	00000-0	00000 0 0	21
2	13759	74.0017	162.0699	0149187		273.7225	56.4930	12.20986258		62

83-03 A

Kosmos 1437

1	137700	83	3	A	83	20.92096013	.00000008	00000-0	00000 0 0	27
2	13770	81.1822	44.8670	0021160		23.8954	336.3231	14.76049787		39
1	137700	83	3	A	83	21.25989756	.00000700	00000-0	99999-4 0	39
2	13770	81.1656	44.4926	0020998		21.8358	338.3909	14.76070637		35
1	137700	83	3	A	83	22.34449187	.00006941	00000-0	99999-3 0	64
2	13770	81.1693	43.3060	0021593		17.1247	343.0865	14.76080890		255
1	137700	83	3	A	83	24.24253243	.00000260	00000-0	35253-4 0	109
2	13770	81.1686	41.2389	0021371		12.3842	347.7865	14.76073674		534

83-4A

IRAS

1	13779U	83	4	A	83	26.21019588	-.00000012	00000-0	00000 0 0	05
2	13779	99.1500	213.2497	0011802	244.0297	115.9793	13.97420275			05
1	13779U	83	4	A	83	26.42499297	-.00000018	00000-0	00000 0 0	31
2	13779	99.1019	213.4669	0011343	242.3515	117.6459	13.97396594			34
1	13779U	83	4	A	83	26.42499372	-.00000022	00000-0	00000 0 0	41
2	13779	100.1242	213.1720	0021850	274.2452	93.4200	14.05610933			39

83-05A

Kosmos 1438

1	13779U	83	5	A	83	27.47245077	-.00000324	00000-0	00000 0 0	12
2	13779	70.3875	296.4220	0015348	69.0664	290.4261	15.20475864			25
1	13779U	83	5	A	83	27.65777900	-.00000321	00000-0	00000 0 0	25
2	13779	70.3832	295.3764	0015544	68.2235	292.0790	16.20503040			50
1	13779U	83	5	A	83	27.84296306	.00087507	00000-0	42990-4 0	43
2	13779	70.3845	295.3269	0016449	72.4460	287.8482	16.20533409			99
1	13779U	83	5	A	83	28.08987024	.00054639	18398-4	42990-4 0	57
2	13779	70.3993	294.6227	0123454	211.5030	135.0794	16.00593483			122
1	13779U	83	5	A	83	28.15436103	.02194728	19224-4	74650-3 0	64
2	13779	70.3964	294.4310	0134644	222.4101	136.6568	16.06802334			139
1	13779U	83	5	A	83	28.21661296	.02488735	18940-4	74650-3 0	85
2	13779	70.3946	294.2495	0137145	223.6149	135.4186	16.07504301			141
1	13779U	83	5	A	83	28.40337907	.00436545	18447-4	15052-3 0	90
2	13779	70.3959	293.7029	0133911	222.1333	136.9636	16.06932334			171
1	13779U	83	5	A	83	28.77693296	.00401199	18418-4	15052-3 0	105
2	13779	70.3876	292.6100	0131735	220.7963	138.2732	16.06541494			230

1	13779U	83	5	A	83	29.53913905	.00140496	18565-4	49154-4	0	117
2	13779	70.3953	292.4375	0133124	221.2279	137.9874	16.07055205				243
1	13779U	83	5	A	83	29.77256920	.00098614	18677-4	33955-4	0	132
2	13779	70.3897	289.7119	0132226	219.4428	139.6928	16.07457871				393
1	13779U	83	5	A	83	29.89713254	.01620792	18986-4	54234-3	0	146
2	13779	70.3795	289.3298	0130756	219.2224	139.9930	16.07797673				415
1	13779U	83	5	A	83	30.39490294	.00244781	18238-4	81756-4	0	165
2	13779	70.3920	297.9012	0131139	218.1492	141.0476	16.07824799				493
1	13779U	83	5	A	83	31.14141793	.00236078	18705-4	78903-4	0	171
2	13779	70.3932	285.7213	0129487	216.9891	142.1458	16.08159178				615
1	13779U	83	5	A	83	31.32803995	.00255980	18645-4	84379-4	0	190
2	13779	70.3912	285.1778	0129519	216.5659	142.6873	16.08271075				649
1	13779U	83	5	A	83	32.32307072	.00241526	18573-4	78486-4	0	191
2	13779	70.3919	282.2707	0127923	214.6837	144.4685	16.089739739				804
1	13779U	83	5	A	83	35.31712499	.00144114	00000-0	95791-4	0	247
2	13779	70.3928	273.5869	0042065	184.2613	175.3297	16.14603260				1299
1	13779U	83	5	A	83	36.30832277	.00191422	61367-5	12405-3	0	257
2	13779	70.3918	270.6705	0042682	133.1263	177.0240	16.14952362				1442
1	13779U	83	5	A	83	37.48501387	.00201537	64164-5	12645-3	0	277
2	13779	70.3913	267.2033	0041912	191.5114	178.5799	16.15451191				1632

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CS-2A

1	137920	83	6	A	83	35.63946347	.31479954	21354-4	43481-1	0	19
2	13792	29.8105	299.6257	7393695	179.5394	179.2709	2.20669191				19

1	137920	83	6	A	83	35.61187048	.00763840	21706-4	43481-1	0	26
2	13792	29.8025	299.7210	7370631	179.6623	186.3870	2.20159065				23

1	137920	83	6	A	83	36.05990094	.00011979	00000-0	30000-0	0	31
2	13792	29.3754	299.6221	7339069	179.8625	185.1447	2.21257520				35

1	137920	83	6	A	83	36.05990094	.00011979	00000-0	30000-0	0	42
2	13792	29.3754	299.6221	7339069	179.8625	185.1447	2.21257520				35

1	137920	83	6	A	83	37.13620389	-.00000107	00000-0	00000	0	0	91
2	13792	3.2635	276.1659	0191428	210.3018	234.7706	0.99670794					59

1	137920	83	6	A	83	38.13953220	-.00000125	00000-0	00000	0	0	130
2	13792	4.2886	263.9219	0191566	217.9989	234.7741	0.99667970					64

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Kosmos 1439

1	13794U	93	7	A	83	37.59952611	-.00002651	19311-4	00000 0 0	16
2	13794	70.3561	351.6331	0133125		67.2465	293.6917	16.05733090		11
1	13794U	83	7	A	83	38.22242143	-.00002715	18746-4	00000 0 0	26
2	13794	70.3497	349.8095	0131998		66.9911	295.0121	16.06450781		116

1	13794U	83	7	A	83	38.28460488	.00806338	19610-4	30551-3 0	38
2	13794	70.3549	349.6380	0130713		66.6541	294.8711	16.06618633		124

1	13794U	83	7	A	83	38.53361608	.01285742	19270-4	30551-3 7	41
2	13794	70.3571	348.9010	0062185		73.8124	294.5140	16.23908298		169

1	13794U	83	7	A	83	38.96343347	.00991429	19715-4	21913-3 0	53
2	13794	70.3497	347.6097	0061046		74.8454	295.9654	16.24742737		237

1	13794U	83	7	A	83	40.69534841	.00732620	19751-4	11955-3 0	101
2	13794	70.3539	342.4372	0054359		68.2513	292.3058	16.22584322		519

1	13794U	83	7	A	83	41.42555225	.00530310	19284-4	13554-3 0	114
2	13794	70.3692	340.1806	0102280		62.4850	278.7978	16.15013528		534

1	137840	83	7	A	83	39.38635555	.01223108	19411-4	23598-3	0	79
2	13784	70.3471	344.8448	0055994	71.3611	288.8073	16.26795573				389

1	137840	83	7	A	83	40.25520640	.01775011	19539-4	31695-3	0	82
2	13784	70.3516	343.7360	0053532	70.3948	290.5350	16.27856804				443

1	137840	83	7	A	83	40.43952255	.00168477	19663-4	29646-4	0	97
2	13784	70.3510	343.1855	0054902	70.7576	289.7222	16.27930980				470

1	137840	83	7	A	83	42.04453256	.00907056	19340-4	28248-3	0	121
2	13784	70.3495	339.4070	0102592	78.9918	252.7448	16.17160365				738

1	137840	83	7	A	83	42.35368144	.00923857	19120-4	19999-3	0	130
2	13784	70.3489	337.4882	0100977	78.2367	283.0401	16.17747949				786

1	137840	83	7	A	83	43.34243477	.01099919	19115-4	20652-3	0	159
2	13784	70.3402	334.5529	0095125	75.5028	294.3317	16.19772777				956

1	137840	83	7	A	83	44.20695416	.00762984	19211-4	20652-3	0	176
2	13784	70.3477	331.9793	0092567	62.2934	297.3677	16.17300919				1091

1	137840	83	7	A	83	44.33071875	.00760552	19161-4	20652-3	0	184
2	13784	70.3427	331.6130	0092040	62.7554	298.2579	16.17369270				1116

1	137840	83	7	A	83	45.19621069	.02736608	19316-4	68405-3	0	190
2	13784	70.3440	329.0465	0087303	61.5376	299.5525	16.19003888				1250

1	137840	83	7	A	83	45.44323169	.00790004	19318-4	19414-3	0	206
2	13784	70.3450	329.3100	0086490	61.0458	299.4338	16.19336629				1293

1	137840	83	7	A	83	46.18429302	.01018406	19463-4	22981-3	0	229
2	13784	70.3467	326.1088	0082978	60.1472	300.9288	16.20806288				1411

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1	13784U	83	7	A	83	47.10949155	.00953555	19298-4	22881-3	0	233
2	13784	70.3368	323.3505	0100672			66.7478	290.0091	16.15859225		1564

1	13784U	83	7	A	83	47.66722745	.00904793	19162-4	22334-3	0	254
2	13784	70.3388	321.6999	0099486			65.9698	295.0936	16.16851905		1559

1	13784U	83	7	A	83	48.40935297	.01280060	19153-4	29241-3	0	265
2	13784	70.3377	319.5003	0094801			64.3611	296.4152	16.18448175		1770

1	13784U	83	7	A	83	49.52101628	.00988258	19095-4	20016-3	0	283
2	13784	70.3343	313.1920	0038336			62.8610	298.0819	16.20758515		1250

1	13784U	83	7	A	83	50.26127756	.01136725	19602-4	20388-3	0	298
2	13784	70.3363	313.9768	0083830			61.3721	299.5928	16.22436935		2075

1	13784U	83	7	A	83	51.24706559	.02065975	19325-4	28151-3	0	310
2	13784	70.3340	311.0329	0076559			59.7800	301.3229	16.25123116		2237

1	13784U	83	7	A	83	52.04640075	.02045446	19424-4	19154-3	0	325
2	13784	70.3332	308.6309	0069310			58.3988	302.7612	16.23559450		2365

1	13784U	83	7	A	83	52.10775515	.02028410	19895-4	18502-3	0	331
2	13784	70.3326	309.4457	0067422			58.3296	302.4440	16.23800866		2375

1	13784U	83	7	A	83	52.72142697	.00514390	18745-4	19502-3	0	347
2	13784	70.3308	306.5961	0118253			104.5200	248.5091	16.09630292		2478

1	13794U	83	7	A	83	52.78502326	.00515795	18949-4	18502-3	0	359
2	13794	70.3308	306.4096	0118051	104.3995	257.0363	13.09697254				2480

1	13794U	83	7	A	83	53.22002511	.00862811	19060-4	29412-3	0	373
2	13794	70.3293	305.1366	0117008	102.3187	259.5269	15.10392292				2555

1	13794U	83	7	A	83	53.34417962	.01962354	19252-4	60442-3	0	382
2	13794	70.3294	304.7764	0115513	101.4438	250.7351	16.11638210				2575

1	13794U	83	7	A	83	53.40611803	.02136865	19084-4	62395-3	0	393
2	13794	70.3655	304.6377	0116158	102.9196	258.5972	16.12015001				2581

1	13794U	83	7	A	83	53.46770794	.03465822	19549-4	97071-3	0	416
2	13794	70.3012	304.3994	0108478	106.1803	255.1536	13.13902547				2593

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NOSS

(OPS 0252)

1	13791U	83	B	A	83	40.69743698	-.00000070	00000-0	-64245-4	0	15
2	13791	63.3982	65.9208	0101164	167.5219	192.3988	13.37671678				27

1	13791U	83	B	A	83	40.84693679	.00000019	00000-0	99999-4	0	21
2	13791	63.3941	65.5166	0091576	166.6089	193.7400	13.38612050				50

1	13791U				83	41.22058608	.00742755	23520-1	00000-0	0	00243
2	13791	63.4008	64.5725	0092659	166.8831	193.4599	13.38359962				100

1	13792U				83	41.22045572	.00125432	21117-2	00000-0	0	00012
2	13792	63.3911	64.5537	0091539	166.5173	193.8294	13.38590465				104

1	13791U	83	B	A	83	46.23107946	.00007311	00000-0	14007-1	0	169
2	13791	63.4385	51.8880	0062009	166.9106	193.4006	13.36367435				779

1	13834U	83	B	C	83	52.37714659	.00013229	00000-0	24011-1	0	24
2	13834	63.3610	35.0157	0073169	149.1660	217.8612	13.39839040				1666

1	13835U	83	B	D	83	52.35468644	.00013096	00000-0	24011-1	0	20
2	13835	63.3939	36.2888	0092470	165.8472	210.4694	13.38593974				1593

1	13845U	83	8	F	83	53.92204142	.00020159	00000-0	36559-1	0	13
2	13845	63.3581	32.2934	0066962	153.7743	226.7683	13.39879781	1907			
1	13844U	83	8	E	83	54.22057649	.00020292	00000-0	36559-1	0	11
2	13844	63.4318	31.6302	0079753	155.4617	205.2245	13.39949927	1841			
1	13791U	83	8	A	83	56.75818531	-.00000035	00000-0	00000	0	472
2	13791	63.4362	24.7451	0074643	194.6420	152.9017	13.37658703	2189			
1	13849U	83	8	G	83	56.68413665	.00001125	00000-0	22103-2	0	30
2	13849	63.4332	24.9291	0074556	195.4960	155.4489	13.37658444	2177			
1	13792U	83	8	B	83	56.53337951	-.00032250	00000-0	-59081-1	0	112
2	13792	63.4412	25.7372	0073459	154.3591	198.6183	13.39635981	2696			
1	13834U	83	8	C	83	56.60981216	-.00009135	00000-0	-16703-1	0	105
2	13834	63.3967	25.4900	0090299	166.6849	195.4723	13.38633591	2166			
1	13835U	83	8	D	83	56.23592336	-.00016038	00000-0	-29191-1	0	178
2	13835	63.4368	26.4849	0074411	153.8752	204.7703	13.39658080	2112			
1	13844U	83	8	E	83	56.60891409	.00003084	00000-0	56757-2	0	97
2	13844	63.4366	25.5342	0077082	156.2387	204.2223	13.39846414	2164			
1	13845U	83	8	F	83	56.60879491	.00002575	00000-0	47530-2	0	76
2	13845	63.4359	25.5350	0077170	156.6014	203.9553	13.39899384	2169			

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1	13793U	83	9	A	83	41.41983948	.00000091	00000-0	00000 0 0	17
2	13793	82.3725	275.0138	0049054	92.3192	268.3709	16.11159135			27
1	13793U	83	9	A	83	41.66727706	-.00057187	00000-0	-43090-4 0	35
2	13793	82.3317	274.6550	0040348	96.1777	267.4682	16.13314307			64
1	13793U	83	9	A	83	42.41189946	-.01540508	79337-1	97679-2 0	54
2	13793	82.3317	273.7841	0012138	301.6935	58.5348	16.03226578			135
1	13793U	83	9	A	83	42.59707014	.00040802	00000-0	66536-4 0	62
2	13793	82.3366	273.5744	0011370	307.3340	40.7892	16.03007402			213
1	13793U	83	9	A	83	43.34822227	.00045907	00000-0	74359-4 0	98
2	13793	82.3351	272.7099	0010960	305.2279	54.9125	16.03113311			339
1	13793U	83	9	A	83	44.28449401	.00054076	00000-0	66933-4 0	91
2	13793	82.3353	271.6327	0010700	300.1806	59.9030	16.03222245			486
1	13793U	83	9	A	83	45.29312004	.00054511	00000-0	97073-4 0	102
2	13793	82.3334	270.4829	0010557	294.2676	65.7626	16.03332052			642

1	13793U	83	9	A	93	46.21927754	.00050128	00000-0	79697-4	0	114
2	13793	82.3335	269.4060	0010682	299.7753	70.2135	16.03421688				797
1	13793U	83	9	A	83	48.34106193	.00049509	00000-0	75209-4	0	133
2	13793	82.3297	266.9632	0010950	290.9927	79.2139	16.03622127				1133
1	13793U	83	9	A	83	49.52664525	.00047434	00000-0	74033-4	0	143
2	13793	82.3282	265.6991	0011074	275.3426	84.6445	16.03731553				1320
1	13793U	83	9	A	83	50.33779083	.00046630	00000-0	72482-4	0	154
2	13793	82.3290	264.6651	0011006	273.3447	86.9392	16.03803672				1457
1	13793U	83	9	A	83	51.27368331	.00050789	00000-0	73475-4	0	167
2	13793	82.3300	263.5873	0011002	268.1159	91.3876	16.03893531				1506
1	13793U	83	9	A	83	52.02241405	.00048678	00000-0	79475-4	0	178
2	13793	82.3321	262.7293	0011573	230.0990	79.9013	16.03159273				1727
1	13793U	83	9	A	83	52.27208748	.00101907	36276-5	16530-3	0	186
2	13793	82.3345	262.4379	0011237	281.5031	78.4895	16.03210795				1766
1	13793U	83	9	A	83	53.27070313	.00063136	86004-6	10152-3	0	193
2	13793	82.3321	261.2919	0010999	275.5157	84.3210	16.03328661				1920
1	13793U	83	9	A	83	54.33170478	.00056334	00000-0	89311-4	0	219
2	13793	82.3336	260.0714	0011037	270.6315	89.3253	16.03442621				2099
1	13793U	83	9	A	83	55.25780732	.00053041	00000-0	83670-4	0	227
2	13793	82.3351	258.9957	0011040	266.2340	93.7395	16.03536565				2245

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Kosmos 144

1	13818U	83	10	A	83	47.74835005	.00000009	00000-0	00000 0 0	20
2	13818	81.1130	320.0987	0007791		42.4829	317.6889	14.78297032		59
1	13818U	83	10	A	83	47.54529830	.00000008	00000-0	00000 0 0	12
2	13818	81.1140	320.3233	0008477		42.8639	317.3231	14.78331706		23

83-11A

1	138297	93	11	A	93	51.26603143	.00000045	00000-0	00000 0 0	12
2	13829	31.4946	253.1298	0011123	249.8403	110.0925	15.23008316			13

1	138297	93	11	A	93	53.23213650	.00013357	00000-0	54681-3 0	65
2	13829	31.4902	245.2627	0012055	274.5849	95.3316	15.23048963			314

1	138297	93	11	A	93	53.82201069	.00055367	00000-0	22566-2 0	95
2	13829	31.4904	241.3931	0010568	274.5026	95.5020	15.23048426			404

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Kosmos 1442

1	13950U	93	12	A	83	56.58436950	-.00004079	29274-4	00000 0 0	15
2	13950	57.1047	332.5726	0111743	59.8218	293.2463	16.06484717			16
1	13950U	93	12	A	83	56.64555626	-.00004055	29089-4	00000 0 0	23
2	13950	57.1600	332.3534	0127501	59.7685	291.7164	16.06579315			25
1	13950U	93	12	A	83	56.77106748	-.00004031	27714-4	00000 0 0	32
2	13950	57.1465	331.9259	0128521	59.4569	292.0787	16.06675607			41
1	13950U	93	12	A	83	57.14457071	.00595625	29330-4	23100-3 0	48
2	13950	57.1539	333.6570	0126166	58.7136	293.2032	16.07234978			137
1	13950U	93	12	A	83	57.51791118	.00651376	23022-4	24641-3 0	61
2	13950	57.1534	320.4071	0125111	58.4317	292.9266	16.07636476			169
1	13950U	93	12	A	83	58.07760319	.00627900	27874-4	24641-3 0	74
2	13950	57.1572	327.5213	0140177	67.9839	290.7998	16.04285347			252
1	13950U	93	12	A	83	58.14043534	.00511755	27495-4	24641-3 0	86
2	13950	57.1554	327.3105	0148279	69.0693	292.1725	16.02364804			261
1	13950U	93	12	A	83	59.26362921	.00365166	27221-4	14073-3 0	103
2	13950	57.1532	323.5423	0144470	67.5209	294.1115	16.03522379			443
1	13950U	93	12	A	83	60.19891206	.00907065	28596-4	27245-3 0	112
2	13950	57.1525	320.3980	0103115	58.6887	296.6221	16.14220761			596

1 138500 83 12 A 83 60.19810407 .01203053 28291-4 35121-3 0 120
2 13850 67.1379 320.4161 0104796 67.1531 294.0068 16.14159619 12

1 138500 83 12 A 83 60.32202806 .00686244 28515-4 20928-3 0 137
2 13850 67.1524 319.9812 0101794 68.6509 292.5789 16.14339984 36

1 138500 83 12 A 83 60.32202806 .00686244 28515-4 20928-3 0 143
2 13850 67.1524 319.9812 0101794 68.6509 292.5789 16.14339984 36

1 138500 83 12 A 83 61.12708478 .01482928 28695-4 40556-3 0 167
2 13850 67.1502 317.2351 0096562 67.9432 293.6378 16.16320015 744

1 138500 83 12 A 83 61.19888520 .01483928 29022-4 40173-3 0 177
2 13850 67.1514 317.0236 0096212 67.8159 293.3203 16.16506633 752

1 138500 83 12 A 83 62.05440776 .01289060 28724-4 31008-3 0 183
2 13850 67.1495 314.0601 0090022 66.9451 293.6925 16.18779180 891

1 138500 83 12 A 83 62.17804032 .01359114 28925-4 32751-3 0 193
2 13850 67.1538 313.6419 0087767 67.5426 293.5737 16.19178759 911

1 138500 83 12 A 83 62.17804032 .01359114 28925-4 32751-3 0 205
2 13850 67.1538 313.6419 0087767 67.5426 293.5737 16.19178759 911

1 138500 83 12 A 83 62.55030452 .00927315 27751-4 32721-3 0 211
2 13850 67.1603 312.3590 0127269 75.6501 292.3061 16.07918337 973

1 138500 83 12 A 83 63.23479700 .00863518 27312-4 24921-3 0 237
2 13850 67.1445 313.0590 0130710 72.6082 288.6807 16.09112068 1082

1 138500 83 12 A 83 63.79408407 .01249539 27691-4 34643-3 0 254
2 13850 67.1448 303.1595 0127764 72.1622 289.2420 16.10060066 1179

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Kosmos 1442 Parts. 1

1	138500	83	12	A	83	64.35390603	.00717557	29057-4	20150-3 0	294
2	13850	67.1500	303.2729	0135120			71.4086	290.1914	16.08460369	1263
1	139500	83	12	A	83	65.03769664	.00767507	28008-4	20150-3 0	305
2	13950	67.1438	303.9525	0131950			70.4467	291.4458	16.09713696	1374
1	133500	83	12	A	83	65.34223372	.00929674	28147-4	24599-3 0	327
2	13350	67.1443	302.9369	0129462			70.4467	291.0741	16.10355165	1420
1	138500	83	12	A	83	65.96908386	.01021992	28132-4	24898-3 0	339
2	13950	67.1488	300.7972	0120752			69.1311	292.7827	16.12661534	1529
1	138500	83	12	A	83	66.21704435	.00907325	28225-4	21209-3 0	345
2	13950	67.1447	299.9558	0120202			69.0348	292.3774	16.13141372	1567
1	139500	83	12	A	83	67.27036487	.01122756	28661-4	22439-3 0	367
2	13950	67.1433	296.3642	0114026			68.1637	293.1539	16.15333406	1735
1	138500	83	12	A	83	68.26035856	.01618951	28642-4	25375-3 0	382
2	13950	67.1458	292.9755	0107509			67.1783	294.0851	16.17697664	1893
1	138500	83	12	A	83	68.69295471	.01187374	28718-4	17351-3 0	395
2	13950	67.1448	291.4936	0104554			66.6835	294.2194	16.18733791	1963
1	138500	83	12	A	83	69.00187499	.01341329	28547-4	18472-3 0	409
2	13850	67.1461	290.4370	0101807			66.6767	294.5930	16.19596319	2013

1	13850U	83	12	A	83	70.35074045	.01615731	28952-4	16264-3	0	429
2	13850	67.1496	286.8263	0093878			65.6917	295.4906	16.22726690		2133
1	13850U	83	12	A	83	70.29720570	.00480735	27377-4	15254-3	0	444
2	13850	67.1460	285.9922	0150250			92.7515	261.0166	16.03630663		2223
1	13850U	83	12	A	83	71.29505121	.00766187	27503-4	24750-3	0	453
2	13850	67.1425	292.6295	0144990			92.0614	259.7298	16.05129955		2386
1	13850U	83	12	A	83	72.23030748	.00891340	28147-4	26320-3	0	479
2	13850	67.1425	279.4307	0140983			90.9177	271.1187	16.05779320		2537
1	13850U	83	12	A	83	72.47920919	.00926530	27625-4	2678-3	0	487
2	13850	67.1444	279.6437	0139521			90.7502	271.0163	16.07273640		2576
1	13850U	83	12	A	83	73.22561314	.00911838	27520-4	25214-3	0	499
2	13850	67.1440	276.1237	0134928			89.3319	271.7002	16.03626985		2604
1	13850U	83	12	A	83	74.21987338	.00944254	28252-4	23793-3	0	500
2	13850	67.1444	272.7546	0130223			38.2637	272.4230	16.10422882		2859
1	13850U	83	12	A	83	75.83316541	.00483315	27990-4	21942-3	0	542
2	13850	67.1404	267.2760	0136661			104.1122	254.1134	16.03558311		3113
1	13850U	83	12	A	83	77.20538018	.00466441	27801-4	19754-3	0	563
2	13850	67.1375	262.6646	0132685			102.5205	259.5180	16.05065855		3331
1	13850U	83	12	A	83	74.59250835	.00905532	27972-4	22150-3	0	517
2	13850	67.1424	271.4932	0128320			38.4637	273.2387	16.11079167		2916
1	13850U	83	12	A	83	77.20530550	.00509533	27602-4	21547-3	0	572
2	13850	67.1382	262.6655	0132669			102.4124	259.1929	16.05077933		3336

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Kosmas

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forts. 2

1	13850U	83	12	A	83	78.07745074	.00629185	27474-4	25479-3	0	595
2	13850	67.1412	259.7261	0129312	101.2596	250.6024	16.05170042				3474
1	13850U	83	12	A	83	78.23420039	.00618837	28015-4	25005-3	0	597
2	13850	67.1396	259.1012	0129094	101.2623	230.3103	16.05421025				3520
1	13850U	83	12	A	83	78.98565179	.00764935	27771-4	29500-3	0	619
2	13850	67.1406	256.9994	0125650	100.1544	261.2430	16.07377902				3603
1	13850U	83	12	A	83	79.25990229	.00736533	27965-4	27997-3	0	624
2	13850	67.1392	255.7379	0123650	100.0544	261.4375	16.07921243				3654
1	13850U	83	12	A	83	80.37898527	.00751193	27837-4	25454-3	0	632
2	13850	67.1393	251.9533	0118868	98.9466	262.5038	16.09620748				3845
1	13850U	83	12	A	83	81.31059321	.00761498	27764-4	25468-3	0	652
2	13850	67.1407	249.7986	0114051	97.7192	263.6163	16.11070488				3999
1	13850U	83	12	A	83	82.36546394	.00813024	28648-4	25633-3	0	669
2	13850	67.1347	245.2172	0108174	96.5644	264.9784	16.12784548				4152
1	13850U	83	12	A	83	82.79943805	.00937903	29393-4	29914-3	0	671
2	13850	67.1412	243.7419	0105039	95.7209	265.6133	16.13596919				4234
1	13850U	83	12	A	83	83.23324433	.00824250	23310-4	24194-3	0	697
2	13850	67.1351	242.2569	0104170	95.6306	265.6555	16.14243023				4302

1	13850U	83	12	A	83	83.48105452	.00955691	28421-4	27500-3	0	706
2	13850	87.1332	241.4148	0101329	95.0924	256.4173	16.14839989				4343
1	13850U	83	12	A	83	84.22392519	.01071290	29146-4	28758-3	0	716
2	13850	87.1382	238.8728	0097419	94.1469	267.1783	16.16338493				4461
1	13850U	83	12	A	83	84.54390777	.00110872	27758-4	48273-4	0	721
2	13850	87.1342	236.7694	0136252	112.7119	246.8980	16.04341903				4563
1	13850U	83	12	A	83	85.09316535	.01260412	27702-4	53052-3	0	736
2	13850	87.1366	235.9197	0133662	111.0158	250.7386	16.04379008				4605
1	13850U	83	12	A	83	85.84069177	.00599808	27996-4	24526-3	0	750
2	13850	87.1369	233.4077	0129391	110.4309	250.8791	16.05961078				4722
1	13850U	83	12	A	83	86.27661088	.00703094	27709-4	27732-3	0	766
2	13850	87.1358	231.9378	0128476	109.9074	251.6878	16.06594521				4796
1	13850U	83	12	A	83	87.21003036	.00721913	28217-4	27021-3	0	771
2	13850	87.1346	229.7860	0124469	108.7352	252.6599	16.07913248				4947
1	13850U	83	12	A	83	88.14270321	.01244918	27864-4	44123-3	0	783
2	13850	87.1363	226.6316	0113650	107.7132	254.0675	16.09579539				5004
1	13850U	83	12	A	83	89.26035175	.00979213	28223-4	31956-3	0	808
2	13850	87.1368	221.8382	0111533	106.4254	254.7539	16.11779205				5279
1	13850U	83	12	A	83	90.37660554	.00958505	28006-4	28185-3	0	816
2	13850	87.1367	218.0491	0105905	105.1029	256.0188	16.13903745				5457
1	13850U	83	12	A	83	90.99613073	.00726412	28609-4	28185-3	0	829
2	13850	87.1370	215.9321	0101793	112.1133	248.2153	16.11924294				5559

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Kosmos 1442

forts. 3

1 13850U 83 12 A 83 91.30648179 .00782450 28385-4 29793-3 0 833
 2 13850 67.1352 214.8782 0100130 111.4588 249.7577 16.12423092 5600

1 13850U 83 12 A 83 92.36043757 .00832506 28647-4 29050-3 0 848
 2 13850 67.1367 211.2896 0095362 110.5142 250.8258 16.14190066 5770

1 13850U 83 12 A 83 92.67016277 .00932623 28174-4 32008-3 0 852
 2 13850 67.1370 210.2346 0093095 109.8153 251.3296 16.14773508 5826

1 13850U 83 12 A 83 93.22743320 .00890996 28117-4 28936-3 0 869
 2 13850 67.1361 209.3309 0090705 109.3391 251.7060 16.15765189 5910

1 13850U 83 12 A 83 94.21731938 .00906290 28311-4 26917-3 0 870
 2 13850 67.1368 204.9455 0085586 108.3862 252.7397 16.17577580 6074

1 13850U 83 12 A 83 94.95897354 .00753233 28430-4 26917-3 0 889
 2 13850 67.1366 202.4024 0117446 112.3781 244.4656 16.09756967 6196

1 13850U 83 12 A 83 95.32180391 .00743773 28127-4 26917-3 0 890
 2 13850 67.1346 202.1932 0120903 112.3301 248.3854 16.08910624 6209

1 13850U 83 12 A 83 95.33261614 .00733938 28033-4 25192-3 0 900
 2 13850 67.1323 201.1436 0119337 112.3139 249.1062 16.09398727 6251

1 13850U 83 12 A 83 96.07810899 .00599121 27919-4 20432-3 0 915
 2 13850 67.1338 198.6156 0114841 111.1080 250.6592 16.10739432 6375

1	13850U	83	12	A	83	96.32639218	.00619937	29441-4	20432-3	0	927
2	13850	67.1266	197.7722	0114946	111.2338	250.1472	16.11049587	6410			
1	13850U	83	12	A	83	96.51262066	.00844451	29000-4	27138-3	0	934
2	13850	67.1295	197.1407	0113984	111.3335	250.1347	16.11464962	6447			
1	13850U	83	12	A	83	96.94696369	.01201328	28519-4	37923-3	0	947
2	13850	67.1326	195.6604	0109911	110.4833	251.1034	16.12445058	6510			
1	13850U	83	12	A	83	97.19498244	.00736676	28412-4	22554-3	0	953
2	13850	67.1290	194.8195	0109494	110.2031	250.9899	16.12815314	6556			
1	13850U	83	12	A	83	97.19500103	.00923967	28424-4	28704-3	0	969
2	13850	67.1299	194.8203	0108311	110.1565	251.1635	16.12894308	6553			
1	13850U	83	12	A	83	98.31034342	.01118647	28581-4	31083-3	0	984
2	13850	67.1279	191.0168	0102331	108.8635	251.9332	16.15104823	6730			
1	13850U	83	12	A	83	98.92940909	.00707392	27938-4	25677-3	0	1016
2	13850	67.1560	198.9285	0142981	112.3610	244.3803	16.04456429	6936			
1	13850U	83	12	A	83	99.30422065	.00689196	27845-4	22775-3	0	1024
2	13850	67.1301	187.6473	0144302	112.6493	249.1432	16.05066932	6999			
1	13850U	83	12	A	83	100.23842840	.00713483	28281-4	22775-3	0	1039
2	13850	67.1318	184.4989	0138071	111.5609	250.1674	16.06678853	7047			
1	13850U	83	12	A	83	100.36290134	.00798982	27977-4	25203-3	0	1047
2	13850	67.1327	184.0788	0137533	111.6096	249.9930	16.06891381	7064			
1	13850U	83	12	A	83	100.85071918	.01447398	28182-4	44055-3	0	1054
2	13850	67.1301	182.3947	0134181	110.4292	251.2809	16.07994029	7143			
1	13850U	83	12	A	83	100.85069427	.00282273	27761-4	89140-4	0	1062
2	13850	67.1280	192.3982	0134188	111.2199	250.3387	16.07656858	7147			

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Kosmos 1443

1	138690	93	13	B	83	51.45473635	-.00009349	57748-4	00000 0 0	21
2	13869	51.6499	313.2148	0029724	76.3698	284.0518	16.22744927			10
1	13972U	93	13	C	83	51.94869890	-.00009364	57512-4	00000 0 0	19
2	13972	51.6406	310.5318	0044137	83.3744	278.3261	16.22018590			91
1	13869U	93	13	A	83	51.45489413	-.00008297	57351-4	00000 0 0	13
2	13869	51.6437	313.2339	0043147	80.2879	280.3036	16.18352364			13
1	13869U	93	13	A	93	51.51664175	-.00008226	56773-4	00000 0 0	29
2	13868	51.6451	312.8951	0044559	82.5041	278.1530	16.18578217			21
1	13868U	93	13	A	83	51.88707003	-.00008285	57391-4	00000 0 0	30
2	13868	51.6437	310.3606	0043180	85.3919	276.0192	16.19000544			31
1	13869U	93	13	A	93	52.07213026	.00742399	57367-4	32087-3 0	47
2	13869	51.6438	309.8448	0042201	84.6500	276.0785	16.19557397			113
1	13869U	93	13	A	93	62.25723453	.00627699	57250-4	34864-3 0	51
2	13869	51.6436	308.8302	0041972	85.3726	276.1534	16.19373188			149
1	13869U	93	13	A	83	62.50402754	.02089352	57043-4	99999-3 0	65
2	13869	51.6393	307.4775	0052018	79.3670	281.0332	16.17093985			183
1	13869U	93	13	A	93	62.68941792	.02120089	56775-4	99999-3 0	70
2	13868	51.6340	306.4544	0052267	80.8539	279.5700	16.17236092			219

1	13868U	83	13	A	83	62.93658522	.00717006	56700-4	33102-3	0	98
2	13868	51.6418	305.1023	0051561	82.3076	273.2730	16.17556012				251
1	13868U	83	13	A	83	63.24543019	.00631424	57060-4	28722-3	0	90
2	13868	51.6408	303.4156	0051054	83.2149	277.4518	16.17927671				300
1	13868U	83	13	A	83	64.48019502	.00288431	53569-4	25632-3	0	119
2	13868	51.6221	296.6142	0152059	73.3945	282.5239	15.92812660				515
1	13868U	83	13	A	83	64.60669302	.61588716	00000-0	-67577-1	0	126
2	13868	51.5447	296.0774	0067028	63.2619	299.1348	15.89315296				532
1	13868U	83	13	A	83	64.66935554	.00361667	00000-0	99999-3	0	139
2	13868	51.6061	295.5843	0025814	162.1202	200.4047	15.91872379				545
1	13868U	83	13	A	83	65.23392069	.00123837	00000-0	35006-3	0	143
2	13868	51.5119	292.5949	0026670	165.6921	194.4864	15.91963944				637
1	13868U	83	13	A	83	65.35946347	.00169212	00000-0	47431-3	0	151
2	13868	51.5119	291.9322	0026657	166.1992	193.9567	15.91979933				551
1	13868U	83	13	A	83	66.17546235	.00081491	00000-0	23043-3	0	165
2	13868	51.6130	287.6262	0026473	169.8283	190.3286	15.92121500				787
1	13868U	83	13	A	83	67.24242969	.00085018	00000-0	23810-3	0	184
2	13868	51.6127	281.9945	0026350	174.3378	135.7934	15.92294273				952
1	13868U	83	13	A	83	67.69173316	.00085228	00000-0	23810-3	0	207
2	13868	51.6116	279.6744	0026395	176.0527	184.0491	15.92338080				1029
1	13868U	83	13	A	83	68.24653603	.00092716	00000-0	25578-3	0	217
2	13868	51.6108	276.6956	0026461	178.5667	181.6091	15.92468869				1116
1	13868U	83	13	A	83	68.37202787	.00112853	11065-4	25578-3	0	227
2	13868	51.6146	276.0380	0039678	180.1088	180.6965	15.95657524				1134

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Kosmos 1443

Forts. 7

1	13868U	83 13	A 83	70.25058156	.00056837	73084-5	13075-3 0	245
2	13868	51.6133	266.0660	0039301	187.5015	172.5410	15.95874368	1429
1	13868U	83	70.32190875	0.00035677			17725-3 0	251
2	13868	51.6147	265.7995	0000971	113.2353	246.3623	15.31594443	51477
1	13868U	83 13	A 83	74.36491590	.00221455	00000-0	10320-2 0	279
2	13868	51.6141	244.7845	0000694	8.6067	350.3972	15.82151765	52116
1	13868U	83 13	A 83	75.31232743	.00222291	00000-0	10320-2 0	288
2	13868	51.6092	239.8658	0000731	269.1521	90.1597	15.82230425	52269
1	13868U	83 13	A 83	80.36415250	.00347033	00000-0	15277-2 0	294
2	13868	51.6065	213.5680	0001365	275.5912	83.0215	15.83032018	3027
1	13868U	83 13	A 83	81.31112237	.00343721	00000-0	15277-2 0	301
2	13868	51.6104	208.6425	0000986	302.4828	55.7229	15.82835995	3178
1	13868U	83 13	A 83	83223.35521207	.00686428	00000-0	29359-2 0	102
2	13868	51.6138	189.1008	0012145	101.9053	255.0357	15.82719597	2567
1	13868U	83 13	A 83	83226.12044627	.00231608	00000-0	10337-2 0	103
2	13868	51.6101	174.6965	0011402	113.8798	170.4368	15.82960025	2611
1	13868U	83 13	A 83	83226.26004031	.00232065	00000-0	10337-2 0	104
2	13868	51.6083	173.9793	0012317	115.9395	244.3994	15.82986818	2613

3868U	83	13	A	83226.19691639	.00037156	00000-0	17240-3	0	105
3868	51.6070	174.1525	0014181	113.6049	246.6444	15.82899108	7616		
3868U	83	13	A	83226.70188986	.00182842	00000-0	79181-3	0	106
3868	51.6120	171.6762	0009115	122.6394	237.5460	15.83768345	7624		
3868U	83	13	A	83226.76498510	.00181954	00000-0	79181-3	0	107
3868	51.6120	171.3505	0009496	123.6882	236.4667	15.83662653	7625		
3868U	83	13	A	83227.26979202	.00080672	00000-0	35599-3	0	110
3868	51.6126	168.7226	0009601	129.2402	230.8954	15.83715516	7633		
3868U	83	13	A	83227.58529353	.00688658	00000-0	28450-2	0	111
3868	51.6139	167.0832	0010218	123.3038	236.7983	15.83478295	7638		
3868U	83	13	A	83227.58529353	.00080557	00000-0	35599-3	0	112
3868	51.5988	167.0879	0009088	126.6831	233.4127	15.83693078	7638		
3868U	83	13	A	83228.09017597	.00047268	00000-0	21272-3	0	113
3868	51.6125	164.4482	0010195	128.6926	231.4953	15.83516477	7646		
3868U	83	13	A	83228.72610490	.00037256	00000-0	19550-3	0	115
3868	51.6094	161.1863	0023590	112.0219	248.3386	15.79972936	7656		
3868U	83	13	A	83229.23208724	.00036268	00000-0	19007-3	0	116
3868	51.6094	158.5628	0023710	114.6786	245.6472	15.80008326	7664		
3868U	83	13	A	83229.29533864	.01108220	00000-0	50611-2	0	117
3868	51.6094	158.2387	0023539	112.4402	247.8978	15.80019919	2661		
3868U	83	13	A	83229.61151348	.01558445	00000-0	67562-2	0	118
3868	51.6109	156.5981	0022914	112.6288	247.3625	15.80091965	2666		
3868U	83	13	A	83229.92771190	.00157651	00000-0	80105-3	0	119
3868	51.6091	154.9582	0023556	116.3655	243.4543	15.80061828	2671		

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Kosmos 1443

forts. 2

3868U	83 13	A	83230.18077954	.00100906	00000-0	61611-3 0	120
3868	51.6108	153.6470	0023423	117.7091	242.6212	15.80113218	2675
3868U	83 13	A	83230.62347286	.00089339	00000-0	51611-3 0	121
3868	51.6116	151.3622	0016856	92.1687	266.9249	15.77679309	2682
3868U	83 13	A	83233.15723352	.00034382	00000-0	20100-3 0	125
3868	51.6097	138.2596	0016867	106.6201	253.6607	15.77827472	2722
3868U	83 13	A	83234.17056676	.00042261	00000-0	24493-3 0	126
3868	51.6100	133.0248	0016790	110.3360	249.9442	15.77919980	2738
3868U	83 13	A	83234.17056676	.00042261	00000-0	24493-3 0	127
3868	51.6100	133.0248	0016790	110.3360	249.9442	15.77919980	2738
3868U	83 13	A	83235.18384334	.00038480	00000-0	22266-3 0	128
3868	51.6093	127.7883	0016679	114.7740	245.5037	15.78001964	2754
3868U	83 13	A	83236.56380841	.00017814	00000-0	10666-3 0	129
3868	51.6178	125.8259	0015647	113.9892	246.1123	15.77772049	2760
3868U	83 13	A	83236.38721431	.00017874	00000-0	10666-3 0	130
3868	51.6108	121.5720	0015557	117.3950	242.9488	15.77845609	2773
3868U	83 13	A	83237.14720661	.00075642	00000-0	43377-3 0	131
3868	51.6095	117.6448	0015294	121.2403	239.1106	15.77947504	2785
3868U	83 13	A	83237.65381975	.00036871	00000-0	21089-3 0	132
3868	51.6103	115.0281	0015050	123.5518	236.6301	15.77965672	2793

13868U	83	13	A	83238.41380030	.00043540	00000-0	25132-3	0	133
13868	51.6087	111.0960	0015108	125.1914	235.2390	15.78035278	2805		
13868U	83	13	A	83239.11034907	.00043314	00000-0	24925-3	0	134
13868	51.6102	107.4951	0015307	129.3868	230.8694	15.78102939	2816		
13868U	83	13	A	83240.12350659	.00041837	00000-0	24002-3	0	135
13868	51.6098	102.2562	0015258	133.3503	226.8780	15.78165898	2832		
13868U	83	13	A	83245.18852557	.00045291	00000-0	25465-3	0	143
13868	51.6088	76.0605	0014489	153.4307	206.7254	15.78614750	2912		
13868U	83	13	A	83246.01145548	.00055287	00000-0	30863-3	0	144
13868	51.6094	71.8062	0014280	158.2931	203.8516	15.78693611	2925		
13868U	83	13	A	83247.15082055	.00055524	00000-0	30863-3	0	145
13868	51.6096	65.9102	0014135	161.1124	198.9182	15.78787081	2943		

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Kosmos 1444

1	138700	83	14	A	83	61.44312426	-.00001660	11469-4	00000 0 0	00
2	13870	72.8492	326.9857	0148302	87.6469	274.1697	15.95128148			00
1	138700	83	14	A	83	61.69404960	-.00001613	10953-4	00000 0 0	19
2	13870	72.8532	326.3569	0146775	89.2322	272.6183	15.94719088			43
1	138700	83	14	A	83	61.81950826	-.00001678	11627-4	00000 0 0	20
2	13870	72.8460	326.0361	0148156	89.4426	272.3891	15.94728803			62
1	138700	83	14	A	83	62.13616769	.00006010	00000-0	59743-4 0	39
2	13870	72.8501	326.2718	0043453	211.9952	147.3586	15.60654443			119
1	138700	83	14	A	83	62.39257738	.00008653	00000-0	99999-4 0	46
2	13870	72.8506	324.6537	0043751	211.9386	147.9192	15.60643197			151
1	138700	83	14	A	83	63.22590623	.00088139	00000-0	99999-3 0	59
2	13870	72.8493	322.6650	0044568	208.9490	150.9411	15.60723094			285
1	138700	83	14	A	83	63.73868277	.00087529	00000-0	99999-3 0	52
2	13870	72.8434	321.4343	0043258	208.9301	150.6419	15.60648501			365

1	138700	83	14	A	83	64.82848836	.00008659	00000-0	99999-4	0	81
2	13870	72.8474	318.8330	0044071	205.4255	154.4899	15.60643259				539
1	138700	83	14	A	83	65.02079365	.00008656	00000-0	99999-4	0	95
2	13870	72.8485	318.3723	0043978	205.5760	154.3072	15.60634049				569
1	138700	83	14	A	83	65.34131135	.00008652	00000-0	99999-4	0	102
2	13870	72.8489	317.6075	0043596	204.7454	155.1222	15.60648642				614
1	138700	83	14	A	83	66.11054594	.00000190	00000-0	29169-5	0	114
2	13870	72.8491	315.7687	0043970	202.9507	156.9557	15.60632379				739
1	138700	83	14	A	83	66.11054594	.00000190	00000-0	29169-5	0	125
2	13870	72.8491	315.7637	0043970	202.9507	156.9657	15.60632379				739
1	138700	83	14	A	83	67.20030326	.00008654	00000-0	99999-4	0	134
2	13870	72.8490	313.1622	0043978	200.5408	159.4097	15.60632790				902
1	138700	83	14	A	83	68.22594413	.00027253	00000-0	31402-3	0	151
2	13870	72.8481	310.7099	0043496	198.1158	161.7768	15.60640117				1053
1	138700	83	14	A	83	70.34136896	.00019470	00000-0	22495-3	0	170
2	13870	72.8478	305.5549	0043558	193.5742	166.3911	15.60634404				1399
1	138700	83	14	A	83	71.30290819	.00001165	00000-0	14127-4	0	180
2	13870	72.8482	323.3563	0043347	191.2322	158.6142	15.60616961				1548
1	138700	83	14	A	83	72.25448950	.00000032	00000-0	10810-5	0	195
2	13870	72.8485	301.0578	0043215	188.9972	171.0324	15.60615271				1696
1	138700	83	14	A	83	72.96963194	.00001021	00000-0	12484-4	0	204
2	13870	72.8482	299.3730	0043090	187.4802	172.5779	15.60616767				1802
1	138700	83	14	A	83	73.22674637	.00000574	00000-0	43883-4	0	215
2	13870	72.8481	298.7596	0043430	186.9512	175.2218	15.60623432				1646

83-14A

Kosmos 1444

font. 1

1	13870U	93	14	A	93	74.57221933	.00002342	00000-0	27746-4 0	235
2	13871	72.8470	295.5421	0042474	184.4327	175.5701	15.60613945	2055		

83-15A

Molniya 3-20

1	13875U	83	15A	83	70.69597783	0.00000139		10000-2 0	26
2	13875	62.8296	350.7711	7431143	280.0285	10.7041	1.95848194		19

83-16A

Stationar-Ekran 10

1	13878U	83 76A	83	72.27664025	-.00000218		10000-3 0	30
2	13878	0.1134	95.4452	0001475	31.0850	233.4647	1.00316198	32

83-17A

Kosmos 1445

1	13883U	83 17 A	83 75.22986042	.18562653	58538-4	20423-2 0	14
2	13883	50.6935	83.5150 0038187	178.0094	183.2810	16.33386849	49
1	13883U	83 17 B	83 75.29123315	.02669300	57946-4	57735-3 0	40
2	13883	50.6915	83.0382 0031139	315.2232	44.6300	16.29230153	53
1	13883U	83 17 A	83 75.47527058	.03323940	58288-4	62372-3 0	64
2	13883	50.6939	81.9964 0032592	317.6152	42.2513	16.29499133	81

1	13888U	83 17 B	83 75.29123075	.02494947	58372-4	62372-3 0	14
2	13888	50.6924	83.0671 0019957	2.4210	356.0662	16.27634276	59

1	13883U	83 17 B	83 75.35259974	.02950246	58071-4	59419-3 0	50
2	13883	50.6928	82.6954 0033670	317.2935	42.5807	16.29696121	61

1	13888U	83 17 F	83 75.47526558	.03082987	58305-4	57751-3 0	26
2	13888	50.6974	81.9995 0032903	318.2553	41.5829	16.29483508	69

1	13888U	83 17 B	83 75.47526758	.03169450	58484-4	59311-3 0	33
2	13888	50.6934	81.9978 0032738	317.8272	42.0299	16.29510651	82

1	13889U	83 17 C	83 75.29123415	.13645586	58425-4	29538-2 0	17
2	13889	50.6917	83.0633 0013176	36.7102	321.8878	16.29513422	01

83-18A

Kosmos 1446

1	13886U	83 19	A 83	75.42557901	-.00000253	00000-0	00000 0 0	11
2	13886	69.9494	343.2305	0089796	66.1546	294.5209	15.95997020	11
1	13886U	83 19	A 83	76.11511457	-.00000253	00000-0	00000 0 0	43
2	13886	69.9401	345.1934	0086421	68.3085	292.6869	15.95867904	127
1	13886U	83 18	A 83	76.17779600	-.00000236	00000-0	00000 0 0	23
2	13886	70.0706	345.7964	0074275	104.8039	259.1726	15.96599887	139
1	13886U	83 18	A 83	76.17726849	-.00000210	00000-0	00000 0 0	33
2	13886	70.0437	345.9517	0066710	92.4317	260.3102	15.93836187	134
1	13886U	83 18	A 83	77.17339755	-.00000269	00000-0	00000 0 0	78
2	13886	69.9429	343.0363	0043801	76.0959	284.5170	16.06956989	293
1	13886U	83 13	A 83	77.29790137	-.00022929	00000-0	-25538-4 0	84
2	13886	69.9413	342.6684	0043623	73.1169	287.4994	15.06927439	318
1	13886U	83 18	A 83	77.43465022	-.00034467	00000-0	-25538-4 0	93
2	13886	69.9403	342.1146	0002008	97.0537	265.0632	15.15790867	340
1	13886U	83 18	A 83	77.70381114	.00027084	00000-0	16003-4 0	119
2	13886	69.9365	341.1316	0014290	64.9172	275.1953	15.16376087	392

1	13886U	83	18	A	83	78.22704024	.00199719	47352-5	13324-3 0	125
2	13886	69.9400	339.2746	0014064	83.9532	276.4801	16.16876122			467
1	13886U	83	18	A	83	78.53639291	.00200260	49237-5	13324-3 0	133
2	13886	69.9471	339.9402	0014126	79.4643	291.7377	16.16612563			510
1	13886U	83	18	A	83	78.96951296	.00252980	50346-5	13561-3 0	149
2	13886	69.9366	337.6269	0014632	83.3709	276.9944	16.16794710			583
1	13886U	83	18	A	83	79.21699079	.00153295	00000-0	99564-4 0	153
2	13886	69.9387	336.3836	0014249	85.6667	274.6048	16.16852270			622
1	13886U	83	18	A	83	80.39235162	.00156956	50019-5	10003-3 0	155
2	13886	69.9394	333.3359	0013911	81.4609	278.3936	16.17233139			817
1	13886U	83	18	A	83	81.01083622	.00127444	45151-5	10003-3 0	170
2	13886	69.9475	331.4625	0021774	118.8534	240.2259	16.14014207			913
1	13886U	83	18	A	83	81.07302976	.00180860	70286-5	10003-3 0	180
2	13886	69.9441	331.2754	0033370	132.5914	227.7735	16.17899464			926
1	13886U	83	18	A	83	81.38216550	.00185606	69686-5	10392-3 0	193
2	13886	69.9414	330.3399	0034307	132.0189	228.0184	16.17656272			975
1	13886U	83	18	A	83	82.37151257	.00184875	71655-5	10079-3 0	205
2	13886	69.9423	327.3492	0034054	130.1996	230.1991	16.18021807			1130
1	13886U	83	18	A	83	83.23695559	.00181692	20330-4	97507-4 0	219
2	13886	69.9417	324.7302	0033755	128.1090	232.2811	16.18335239			1279
1	13886U	83	18	A	83	84.29762776	.00162889	20574-4	95308-4 0	223
2	13886	69.9419	321.5469	0033508	126.1891	234.2690	16.18729608			1446

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Kosmos 1446

forts. 7

1	13986U	83 18 A 83	36.20469434	.00041118	00000-0	22489-4 0	257
2	13986	89.9463	315.7542	0034555	132.6705	227.3110	15.17931028 1751
1	13986U	83 18 A 83	36.26650943	.00104361	00000-0	56642-4 0	269
2	13986	89.9452	315.5677	0034581	132.7552	227.6365	16.17958543 1752
1	13986U	83 18 A 83	87.19383785	.00169654	22433-4	90930-4 0	274
2	13986	89.9479	312.7315	0033563	132.1913	228.5255	16.18302822 1915
1	13886U	83 18 A 83	87.19378829	.00178475	20423-4	95913-4 0	284
2	13886	89.9458	312.7521	0033948	131.1274	229.2731	16.18304594 1914
1	13986U	83 18 A 83	89.04772530	.00144774	20514-4	73769-4 0	309
2	13986	89.9470	307.1486	0032716	127.4504	233.0520	16.19130315 2214

83-19A

Molnija 1 BH

1	13890U	83	19	A	83	76.83431296	.20000045	00000-0	99999-4	0	25
2	13890	82.7974	37.3244	7471622	279.6852	10.8056	1.95510269				41
1	13890U	83	19	A	83	80.92525882	.200000422	00000-0	99999-4	0	70
2	13890	82.7891	36.6485	7429958	279.3538	11.0071	2.20415748				118

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ASTRON

1	13901U			83	74.44359438	-.20000824			10000-3 0	07
2	13901	51.0911		22.0958	9223205	299.0969	2.8223	0.24490030		00
1	13902U	93 20	E	93	92.59685236	-.40004380	30126-4	00000 0 0		13
2	13902	51.9901		20.6995	1299974	118.3543	254.9046	13.37736999		11

83-21A

Kosmos 1447 (Cospar 2)

1	130167	83	21	A	83	83.93113492	.00000006	00000-0	00000 0 0	16
2	13916	82.9644	163.3042	0045070	299.1916	61.4820	13.75433721			15
1	139167	83	21	A	83	84.51330362	.00000100	00000-0	99999-4 0	75
2	13916	82.9547	163.3618	0035503	296.3195	64.7196	13.73697469			93

83-22A

NOAA8

1	139230	93	22	A	93	97.70637462	-.00000019	00000-0	00000 0 0	13
2	13923	98.7533	117.9669	0015985	264.4936	95.4466	14.22303377			02
1	139230	93	22	A	93	97.77671247	-.00000019	00000-0	00000 0 0	21
2	13923	98.7534	118.0372	0016172	263.9616	95.9594	14.22318140			16
1	139230	93	22	A	93	97.91741999	-.00000019	00000-0	00000 0 0	34
2	13923	98.7529	118.1735	0015821	262.2376	97.7035	14.22296998			31

83-23A

Kosmos 1448

1	13949U	83	23	A	83	89.13037100	.00000006	00000-0	00000 0 0	19
2	13949	82.8052	232.3991	0092672	300.3354	58.9642	13.76037973			26
1	13949U	83	23	A	83	89.25322581	.00000006	00000-0	00000 0 0	23
2	13949	82.9602	232.3916	0028781	286.9230	72.8936	13.74537716			30

83-24A

Kosmos 1449

1	13955U	83 24	A 83	90.50577977	-.00001683	11457-4	00000 0 0	11
2	13955	72.7407	355.6126	0131597	89.3697	272.1445	15.95308343	15
1	13955U	83 24	A 83	91.25799608	.00117977	11255-4	10955-3 0	35
2	13955	72.8692	353.6803	0135016	86.1732	275.5709	15.96113658	134
1	13955U	83 24	A 83	91.38333817	.00009413	00000-0	10855-3 0	43
2	13955	72.8778	353.3715	0041611	212.4643	138.2111	15.50995468	154
1	13955U	83 24	A 83	91.64132629	.00036085	00000-0	41149-3 0	56
2	13955	72.8629	352.7674	0043597	210.8010	148.9529	15.50845252	198
1	13955U	83 24	A 83	93.24372343	.00008720	00000-0	99999-4 0	88
2	13955	72.8706	348.9395	0043757	207.0268	152.3492	15.60836532	445
1	13955U	83 24	A 83	93.69238804	.00008700	00000-0	99999-4 0	99
2	13955	72.8744	347.8565	0043059	207.1026	152.7342	15.60820138	519
1	13955U	83 24	A 83	94.26925486	.00000460	00000-0	59606-5 0	101
2	13955	72.8721	346.4895	0044253	204.9153	154.9604	15.60813883	605
1	13955U	83 24	A 83	95.35889485	.00008702	00000-0	99999-4 0	116
2	13955	72.8721	343.8873	0043281	202.0838	157.3467	15.60812163	774

1	13955U	83	24	A	83	96.32032553	.00008598	00000-0	99999-4	0	125
2	13955	72.8723	341.5920	0043188	200.0060	159.8557	15.60804069				920
1	13955U	83	24	A	83	97.21768120	.00008701	00000-0	99999-4	0	135
2	13955	72.8718	339.4499	0043300	197.7471	162.1610	15.60808189				1065
1	13955U	83	24	A	83	98.49959986	.00029489	00000-0	33813-3	0	159
2	13955	72.8720	336.3879	0042556	195.1859	164.6333	15.60798659				1261
1	13955U	83	24	A	83	99.26877450	.00010634	00000-0	12305-3	0	166
2	13955	72.8719	334.5511	0042927	192.9740	166.9175	15.60799075				1382
1	13955U	83	24	A	83	100.35943030	.00017409	00000-0	20052-3	0	172
2	13955	72.8733	331.9491	0042607	190.4196	169.6006	15.60799564				1557
1	13955U	83	24	A	83	101.25579399	.00011683	00000-0	13529-3	0	185
2	13955	72.8717	329.8084	0042444	188.3908	171.5165	15.60773515				1698
1	13955U	83	24	A	83	102.53776380	.00087925	00000-0	99999-3	0	207
2	13955	72.8731	326.7465	0042403	186.1944	173.7927	15.60779534				1893
1	13955U	83	24	A	83	103.05053987	.00107126	00000-0	12155-2	0	211
2	13955	72.8714	325.5224	0042347	185.0382	174.9056	15.60780345				1972
1	13955U	83	24	A	83	103.30694745	.00018531	00000-0	21353-3	0	225
2	13955	72.8716	324.9099	0042600	183.8965	176.1407	15.60767749				2015

83-25A

Molniya 1 BJ

1	13964U	83	25	A	83	91.65110891	.00000292	00000-0	99999-4	0	03	
2	13964					62.9544	253.0986	7330177	279.9981	11.3949	2.05390122	02
1	13964U	83	25	A	83	92.62984879	.00000219	00000-0	99999-4	0	33	
2	13964					62.9365	253.1441	7378106	280.3772	11.2204	2.05701485	32
1	13964U	83	25	A	83	97.00449171	-.00000306	00000-0	99999-4	0	95	
2	13964					62.9590	252.4732	7376603	280.4020	10.9719	2.05718107	119

83-26 B, C

B=TDRS r, C=ILUS upper st.

1	13969U	83	26	B	83	95.43201909	-.00000258	00000-0	99999-4 0	14
2	13969					1.4485 312.4367 0019160	153.7407	205.6481	1.00434090	09
1	13969U	83	26	B	83	95.31340340	-.00000052	00000-0	00000 0 0	29
2	13969					2.3927 301.7632 1933643	179.9143	255.9779	1.32593669	10
1	13969U	83	26	B	83	95.45414452	-.00000052	00000-0	00000 0 0	34
2	13969					2.3830 301.7677 1933648	179.8051	179.7681	1.32593415	15
1	13969U	83	26	B	83	95.45458574	-.00000052	00000-0	00000 0 0	48
2	13969					2.3886 301.9110 1933611	179.6563	179.9354	1.32590444	19
1	13969U	83	26	B	83	95.45463593	-.00000052	00000-0	00000 0 0	55
2	13969					2.3887 301.9275 1933597	179.6398	180.0093	1.32590487	15
1	13969U	83	26	B	83	95.45456137	-.00000052	00000-0	00000 0 0	63
2	13969					2.3883 301.9035 1933609	179.6652	179.9723	1.32592947	13
1	13969U	83	26	B	83	96.20852106	-.00000052	00000-0	00000 0 0	96
2	13969					2.3797 301.8160 1933725	179.7478	179.3504	1.32580752	29
1	13969U	83	26	B	83	96.96479715	-.00000052	00000-0	00000 0 0	124
2	13969					2.3680 302.5107 1932929	179.0654	180.8301	1.32583656	37

1	13969U	93	26	B	93	97.71863024	-.00000052	00000-0	00000 0 0	140	
2	13969					2.3699 302.4613	1932935	179.1391	180.6301	1.32593899	42
1	13969U	93	26	B	83	101.48885610	-.00000052	00000-0	00000 0 0	190	
2	13969					2.4019 301.9969	1933820	179.7417	180.0325	1.32577903	99
1	13969U	93	26	B	83	102.24230033	-.00000052	00000-0	00000 0 0	200	
2	13969					2.4027 301.9410	1933808	179.8248	179.6284	1.32577778	109
1	13970U	93	26	C	93	96.96750791	-.00000052	00000-0	00000 0 0	76	
2	13970					2.3398 301.7504	1901695	179.8248	179.7204	1.32155059	30
1	13970U	93	26	C	93	97.72403838	-.00000052	00000-0	00000 0 0	99	
2	13970					2.3374 301.7396	1901660	179.8680	179.6405	1.32155059	49
1	13970U	93	26	D	93	95.45593946	-.00000052	00000-0	00000 0 0	21	
2	13970					2.3376 301.8244	1901300	179.7075	180.5995	1.32151872	18
1	13971U	93	26	D	93	97.17955365	-.00000563	00000-0	-16381-3 0	34	
2	13971					25.9970 299.5212	7256311	179.9240	179.8909	2.30577767	56
1	13971U	93	26	C	93	95.45069961	.00105505	00000-0	34856-1 0	23	
2	13971					26.0410 299.9956	7258076	178.9871	184.9392	2.30541420	19

83-26A

STS 6 (Challenger)

1	13968U	83 26	A 83	94.82135504	.00046852	00000-0	11105-3 0	19
2	13969	28.4696	303.3243	0005321	274.3577	85.7745	15.95180351	10
1	13968U	83 26	A 83	94.85439814	.00046527	00000-0	11105-3 0	22
2	13969	28.4686	303.1610	0004410	277.4805	271.1746	15.95062063	15
1	13968U	83 26	A 83	94.84650234	.00046530	00000-0	11105-3 0	38
2	13969	28.4690	302.3846	0004382	285.8431	74.1559	15.95064029	27
1	13968U	83 26	A 83	95.19675037	.00032793	00000-0	11105-3 0	41
2	13969	28.4536	300.5047	0027637	32.8789	327.1385	15.87654480	66
1	13968U	83 26	A 83	95.32249591	.00032621	00000-0	11105-3 0	59
2	13969	28.4667	299.5621	0027771	33.2988	326.9292	15.87544025	05
1	13968U	83 26	A 83	95.57392691	.00011253	00000-0	38047-4 0	50
2	13969	28.4661	297.6940	0027654	36.2958	323.9558	15.87558255	130
1	13968U	83 26	A 83	95.86388912	.00049783	00000-0	11105-3 0	78
2	13969	28.4656	295.5310	0007030	276.7287	305.2253	15.96272109	185
1	13968U	83 26	A 83	95.95036923	.00325587	00000-0	71023-3 0	85
2	13969	28.4649	294.8796	0006522	277.3964	82.5869	15.96329654	122

1	13968U	83	26	A	83	96.07538733	.00325326	00000-0	71023-3 0	97
2	13968	28.4620	293.9320		0007026	279.6418	80.3040	15.96310076		217
1	13968U	83	26	A	83	96.13790386	.00325301	00000-0	71023-3 0	104
2	13968	28.4604	293.4759		0010929	292.7359	67.1578	15.96305262		227
1	13968U	83	26	A	83	96.32543827	.00327825	00000-0	71023-3 0	114
2	13968	28.4596	292.0568		0006958	281.4534	78.5404	15.96445061		256
1	13968U	83	26	A	83	96.57547910	.00028234	00000-0	62843-4 0	127
2	13968	28.4655	290.1631		0007163	282.4630	77.4979	15.96324328		296
1	13968U	83	26	A	83	96.76301246	.00048958	00000-0	10874-3 0	135
2	13968	28.4661	288.7509		0007322	284.6643	75.3215	15.96346133		321
1	13968U	83	26	A	83	96.88802294	.00049984	00000-0	11105-3 0	140
2	13968	28.4651	287.8082		0007603	285.4888	74.4613	15.96338618		341
1	13968U	83	26	A	83	97.13806535	.00049669	00000-0	11105-3 0	159
2	13968	28.4654	285.9338		0008423	293.3171	66.5891	15.96210208		399
1	13968U	83	26	A	83	97.26310636	.00044436	00000-0	99999-4 0	160
2	13968	28.4655	284.9811		0008421	282.5363	77.4051	15.96112740		400
1	13968U	83	26	A	83	97.45066614	.00044527	00000-0	99999-4 0	177
2	13968	28.4628	283.5738		0008157	285.7656	74.2144	15.96153755		431
1	13968U	83	26	A	83	99.31250023	.00054137	00000-0	11105-3 0	206
2	13968	28.4669	277.0719		0005370	350.8138	293.0089	15.97806172		108
1	13968U	83	26	A	83	99.69996109	-.00016584	00000-0	-36360-4 0	263
2	13968	28.4668	266.5969		0007944	6.6360	353.4077	15.97262047		799
1	13968U	83	26	A	83	99.74825300	.55789795	-12649-4	11105-3 0	276
2	13968	28.4673	266.2273		0213558	104.4016	173.5581	16.47097018		797

83-27A

Kosmos 1450

1	13972U	83	27	A	83	96.62016368	-.00000110	00000-0	00000 0 0	16
2	13972	65.8517	355.2514	0079610	353.0996	6.2748	15.23046347			12
1	13972U	83	27	A	83	96.68579254	-.00000103	00000-0	00000 0 0	23
2	13972	65.8466	355.1030	0032874	341.7613	13.2590	15.24858172			25
1	13972U	83	27	A	83	96.88255019	-.00000101	00000-0	00000 0 0	34
2	13972	65.8555	354.4922	0029625	340.3223	19.6689	15.24821388			53
1	13972U	83	27	A	83	97.21049643	.00002426	00000-0	99999-4 0	48
2	13972	65.8556	353.4534	0029395	339.8564	20.1510	15.24825667			108
1	13972U	83	27	A	93100	.75211463	.00178318	00000-0	69032-2 0	62
2	13972	65.8525	342.3248	0030088	339.1139	19.9030	15.24825732			540

83-28A

Stasionar - Raduga 12

1	13974U	83	28	A	83	99.20620479	-.00000101	00000-0	99999-4 0	19
2	13974					3.6756 283.9627	0014753	310.3477	126.4569 0.99920094	29
1	13974U	83	28	A	83	98.97735795	-.00000049	00000-0	99999-4 0	17
2	13974					1.2776 280.3399	0013634	270.3919	87.1609 0.99777479	38
1	13974U	83	28	A	83	98.98006916	-.00000049	00000-0	99999-4 0	31
2	13974					1.2778 280.1637	0013650	270.7869	87.9562 0.99777436	34
1	13974U	83	28	A	83	99.93062703	-.00000036	00000-0	99999-4 0	47
2	13974					1.2697 279.4538	0012007	271.1111	87.7521 0.99783262	44
1	13974U	83	28	A	83	99.98057864	-.00000164	00000-0	00000 2 0	50
2	13974					1.2702 277.4767	0012598	275.4447	83.3899 1.00268202	41
1	13977U	83	28	C	83	99.47539139	.33721420	60002-4	37869-3 0	89
2	13977					51.6361 269.5550	0004790	210.1555	150.0614 16.37123107	112
1	13977U	83	28	C	83	99.90212027	.04117908	60259-4	25638-3 0	108
2	13977					51.6325 267.1566	0006521	197.2917	152.3081 16.40869780	184
1	13977U	83	28	C	83	99.90211745	.07179622	60438-4	39558-3 0	113
2	13977					51.6364 267.1510	0004452	231.4368	129.1160 16.42165258	187

83-29A

Kosmos 1451

1	13975U	83 29	A 83	98.45970576	.00000811	-56522-5	00000 0 0	13
2	13975	82.3522	343.8739	0041052	96.4017	262.5187	16.24037666	25
1	13975U	83 29	A 83	98.71544986	.00000839	-57165-5	00000 0 0	24
2	13975	82.3353	349.5931	0042636	98.3791	262.2554	16.24136863	63
1	13975U	83 29	A 83	98.77806024	.00000778	-52782-5	00000 0 0	36
2	13975	82.3365	349.5111	0040684	96.8443	263.7632	16.24185206	75
1	13975U	83 29	A 83	99.45337419	.00059742	00000-0	34456-4 0	53
2	13975	82.3534	343.7209	0071659	65.0937	293.7616	16.00412297	193
1	13975U	83 29	A 83100	08413169	.00035942	00000-0	51747-4 0	51
2	13975	82.3496	348.0106	0072217	63.6255	297.3067	16.00097595	293
1	13975U	83 29	A 83100	033427262	.00060136	00000-0	36300-4 0	75
2	13975	82.3513	347.7236	0072070	62.7715	298.0932	16.00126137	329
1	13975U	83 29	A 83101	027229818	.00078303	13509-5	11205-3 0	85
2	13975	82.3496	346.6517	0072177	59.0182	301.7680	16.00242080	479
1	13975U	83 29	A 83103	033576418	.00053717	00000-0	75844-4 0	108
2	13975	82.3496	344.2916	0071739	51.4024	309.2576	16.00432798	801

1 13975U 83 29 A 83105.21138672 .00072489 10033-5 10181-3 0 126
2 13975 82.3478 342.1475 0070775 44.0381 316.7153 16.00704841 1100

1 13975U 83 29 A 83107.33665913 .00074526 10151-5 11201-3 0 145
2 13975 82.2392 339.6201 0074496 32.3319 279.3010 15.99170999 1441

1 13975U 83 29 A 83107.33671323 .00070696 87030-5 11201-3 0 158
2 13975 82.3047 339.7149 0058875 36.3451 323.9749 15.99061427 1443

1 13975U 83 29 A 83107.77490776 .00068117 75520-6 11201-3 0 169
2 13975 82.3515 339.2203 0062223 36.1217 324.7186 15.99258556 1511

1 13975U 83 29 A 83111.27832063 .00056508 00000-0 91076-4 0 208
2 13975 82.3508 335.2171 0061037 22.4650 337.9479 15.99638010 2074

1 13975U 83 29 A 83111.84131155 .00056607 00000-0 91076-4 0 217
2 13975 82.3472 334.5735 0061045 21.1697 339.1864 15.99665833 2163

83-30A

RCA-Satcom 6

1	13984U	83	30	A	83101.74994738	-.00001817	32276-4	99999-4 0	19
2	13984	24.1199	358.7717		7320964	178.0586	188.5231	2.27072723	07
1	13984U	83	30	A	83101.74832639	-.00003398	32339-4	99999-4 0	45
2	13984	24.0994	358.7584		7317461	178.1533	138.0253	2.26268799	16
1	13984U	83	30	A	83102.18776976	-.00003350	32444-4	99999-4 0	55
2	13984	24.0890	358.5322		7322890	178.5031	185.2932	2.25674383	26
1	13984U	83	30	A	83103.49999999	-.00002170	32373-4	99999-4 0	29
2	13984	24.1250	358.0550		7325051	179.3310	175.2870	2.26377696	53
1	13984U	83	30	A	83103.50931896	-.00003162	32301-4	99999-4 0	70
2	13984	24.0649	357.9722		7318662	179.3788	183.0340	2.26395306	53
1	13984U	83	30	A	83105.71765401	-.00000031	00000-0	99999-4 0	93
2	13984	0.3363	323.0877		0149495	44.5296	352.6262	0.97199613	94
1	13984U	83	30	A	83105.71763178	-.00000033	00000-0	99999-4 0	83
2	13984	0.3161	320.0102		0155621	47.7481	352.4937	0.97094425	90

1	139957	33 30	E	83102.00570398	.30000079	00000-0	00000 0 0	14
2	13995	25.3329		3.1708 2177954	171.5592	135.3013	10.99496959	12

83-31A

Kosmos 1452

1	13991U	83	31	A	83102.82280496	-.00000012	00000-0	00000 0 0	18
2	13991	74.0327	123.4644	0044015	319.9818	39.7355	14.34894708	15	

1	13991U	83	31	A	83102.89252641	-.00000012	00000-0	00000 0 0	16
2	13991	74.0626	123.3798	0020649	330.8336	28.2229	14.31555011	22	

1	13991U	83	31	A	83103.31300470	-.00000012	00000-0	00000 0 0	30
2	13991	74.0515	122.6124	0017194	1.5387	358.5833	14.28594881	94	

83-32A

KH-9

(Titan 3B-Agena D)

1	14001U	83	32	A	83105.82181864	-.00001352	92931-5	00000 0 0	10
2	14001	96.5363	190.8514	0131039	148.8386	212.0213	16.19090967	00	
1	14001U	83	32	A	83106.06906045	-.00001376	95213-5	00000 0 0	33
2	14001	96.5245	181.0961	0131574	147.8082	213.2061	16.19302372	49	
1	14001U	83	32	A	83106.13094770	-.00001383	96430-5	00000 0 0	49
2	14001	96.5244	181.1566	0129941	147.5664	213.4052	16.19436218	58	
1	14001U	83	32	A	83106.25443102	.00834952	91982-5	34617-4 0	51
2	14001	96.5226	181.2807	0129372	146.9426	214.0815	16.19713150	73	
1	14001U	83	32	A	83107.24213390	.00976748	92370-5	36829-4 0	85
2	14001	96.5244	192.2773	0122760	142.9619	217.0077	16.21779814	233	
1	14001U	83	32	A	83116.15787041	.01589223	96313-5	37760-4 0	310
2	14001	96.5142	191.3149	0102181	124.5073	236.6393	16.29196363	1681	
1	14001U	83	32	A	83117.20203055	.01290661	94353-5	29519-4 0	343
2	14001	96.5123	192.3760	0107400	125.9500	235.2928	16.28369259	1363	

8J-33A

Rohini 3

1	14002U	83	33	A	93109.08225054	-.00000135	00000-0	00000 0 0	29
2	14002	46.5923	199.4540	0324649	123.6992	239.5222	14.35041266		80
1	14002U	83	33	A	93109.08225195	-.00000181	00000-0	00000 0 0	32
2	14002	46.5952	199.4674	0330411	125.0320	231.4809	14.32827098		89

83-34A

Kosmos 1453

1	14006U	83	34	A	93109.62190315	-.00000029	00000-0	00000 0 0	12
2	14006	74.0487	35.0311	0044858	336.7387	23.1781	15.24639533	27	
1	14006U	83	34	A	93109.68752080	-.00000029	00000-0	00000 0 0	22
2	14006	74.0321	34.8570	0033517	339.4427	20.4132	15.24350591	38	
1	14006U	83	34	A	93110.47510445	.00021409	00000-0	85985-3 0	43
2	14006	74.0322	33.1941	0033148	337.5089	22.4651	15.24371468	153	

83-35A

Soyuz T-8

1	14014U				83110.60287772	-	00008410	58176-4	0	10
2	14014	51.6282			55.3753	0012636	104.2420	255.7702	16.25588083	10
1	14014U	33 35	A		83110.50237772	-	00008410	58176-4	00000 0 0	19
2	14014	51.6282			55.3753	0012636	104.2420	255.7702	16.25588090	19
1	14014U	33 35	A		83110.72586271	-	00008407	58014-4	00000 0 0	25
2	14014	51.6282			54.6940	0012636	104.7493	255.4912	16.25585073	33
1	14014U	33 35	A		83110.78733594	-	00008363	57765-4	00000 0 0	38
2	14014	51.6245			54.3526	0012078	110.3169	250.0553	16.25795301	42
1	14014U				83110.78733595	-	00008363	57765-4	0	30
2	14014	51.6245			54.3526	0012078	110.3169	250.0553	16.25795293	42
1	14014U	33 35	A		83110.91109433	.	00306786	55150-4	32284-3 0	41
2	14014	51.6052			53.6555	0038700	187.3731	172.6713	16.08077922	53
1	14014U				83110.91109434	0.	00306786	55150-4	32284-3 0	43
2	14014	51.6052			53.6555	0038700	187.3731	172.6713	16.08077908	67

1	14014U	83 35	A	83111.28392198	.00342156	66863-4	35433-3 0	51
2	14014	51.6116		51.6499	0038173	199.0532	171.0057 16.09347495	126
1	14014U	83 35	A	83111.59476413	.01736399	22620-2	19225-2 0	65
2	14014	51.6209		49.9808	0036622	198.6200	161.5230 16.07954322	173
1	14014U			83111.59476019	0.01736399	22620-2	19225-2 0	67
2	14014	51.6209		49.9808	0036628	198.5200	161.5230 16.07954311	176
1	14014U	83 35	A	83111.65689029	.02649737	54725-4	19225-2 0	74
2	14014	51.4974		49.4139	0143421	160.5023	198.8738 15.95615252	199
1	14014U			83111.65711301	0.00764793		19225-2 0	85
2	14014	51.6131		49.6505	0010336	283.8995	75.0347 15.93301832	185
1	14014U	83 35	A	83111.65711301	.00764793	00000-0	19225-2 0	85
2	14014	51.6131		49.6505	0010336	283.3995	75.0347 15.93301839	181
1	14014U	83 35	A	83111.78272860	.00175219	00000-0	47256-3 0	97
2	14014	51.6129		49.9900	0010178	283.5402	76.3676 15.93249000	205
1	14014U	83 35	A	83111.97110677	0.00575229		15574-2 0	108
2	14014	51.6105		47.9520	0014746	315.4060	44.6145 15.92199683	230
1	14014U	83 35	A	83111.97110676	.00575229	00000-0	15574-2 0	103
2	14014	51.6105		47.9520	0014746	315.4060	44.6145 15.92199692	230
1	14014U	83 35	A	83112.41037607	.00083717	00000-0	24150-3 0	118
2	14014	51.6151		45.6591	0010593	298.3741	51.2988 15.92247429	305

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Kosmos 1454

1	14017U	83 36	A	83112.65721197	-.00004011	27712-4	00000 0 0	19
2	14017	67.3753		54.0177 0118829	70.5022	290.3746	16.04811992	08
1	14317U	83 36	A	83112.79191764	-.00004055	29108-4	00000 0 0	26
2	14317	67.1416		53.5713 0134092	70.2469	291.2937	16.04916001	24
1	14017U	83 36	A	83112.96888190	.00633129	27703-4	26203-3 0	36
2	14017	67.1387		52.9388 0133551	70.1305	291.4313	16.05099278	57
1	14017U	83 36	A	83113.28040758	.00702478	28001-4	26193-3 0	47
2	14017	67.1426		51.8938 0136543	70.1327	291.4805	16.05518988	131
1	14017U	83 36	A	83114.21450553	.00615851	27942-4	23916-3 0	50
2	14017	67.1405		48.7478 0129174	69.0494	292.4245	16.06659137	284
1	14017U	83 36	A	83115.21004142	.00831468	28394-4	29666-3 0	65
2	14017	67.1396		45.3856 0125101	68.2952	293.0909	16.08250048	443
1	14017U	83 36	A	83116.20453245	.00813585	28093-4	27194-3 0	75
2	14017	67.1412		42.0212 0120525	67.3901	293.6813	16.09797269	607
1	14017U	83 36	A	83117.19822307	.02074438	28602-4	58930-3 0	84
2	14017	67.1409		38.6485 0100978	67.2556	296.2725	16.15138310	745

1	14017U	83 36	A	83117.44543820	.01069938	23309-4	29814-3 0	93
2	14017	67.1373		37.8084 0099982	66.7705	294.0478	16.15519923	781

1	14017U	83 36	A	83118.12620401	.00935735	28518-4	24863-3 0	100
2	14017	67.1405		35.4775 0095999	66.5303	294.2529	16.16741243	897

1	14017U	83 36	A	83119.73317736	.00600515	27635-4	23050-3 0	130
2	14017	67.1355		29.9969 0137205	62.8750	257.3941	16.05254339	1151

1	14017U	83 36	A	83120.42216654	.00730124	27715-4	26320-3 0	144
2	14017	67.1393		27.6734 0134118	81.3503	280.4023	16.06337135	1263

1	14017U	83 36	A	83121.35571257	.00771398	28176-4	25879-3 0	159
2	14017	67.1328		24.5220 0130524	80.6544	280.9984	15.07753728	1410

1	14017U			83123.77904727	.00797299	28477-4	00000-0 0 00203	
2	14017	67.1340		13.3029 0119359	76.6510	284.5913	16.11557046	1304

1	14017U			83125.01928613	.00851247	28476-4	00000-0 0 00227	
2	14017	67.1374		12.0930 0111879	77.2483	284.1133	16.14118283	2005

1	14017U			83125.20518811	.00905511	28476-4	00000-0 0 00238	
2	14017	67.1351		11.4494 0112820	78.5160	282.8628	16.14286170	2039

1	14017U			83125.76248095	.00910272	28476-4	00000-0 0 00244	
2	14017	67.1398		9.5426 0108559	77.5542	283.7720	16.15742064	2123

1	14017U	83 36	A	83126.99946837	.01083242	28802-4	19858-3 0	212
2	14017	67.1309		5.3275 0101631	74.4184	286.7763	16.13455235	2329

1	14017U	83 36	A	83127.06127137	.01010972	28843-4	19681-3 0	234
2	14017	67.1316		5.1106 0099627	75.4351	285.8575	16.13564682	2336

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Kosmos 1454

parts. 1

1	14017U	83 36	A	83127.06127137	.01010972	28643-4	19681-3 0	256
2	14017	67.1316		5.1106 0099627	75.4351	235.3575	16.18664692	2335

1	14017U	83 36	A	83127.24660796	.00535342	27761-4	19681-3 0	273
2	14017	67.2534		4.1207 0102798	102.4015	256.7648	16.12312800	2367

1	14017U	83 36	A	83127.43391359	.00484921	27997-4	19681-3 0	283
2	14017	67.1293		3.8438 0132841	96.7500	264.3822	16.05459478	2390

1	14017U	83 36	A	83127.43391359	.00484921	27997-4	19681-3 0	294
2	14017	67.1293		3.8438 0132841	96.7500	264.3822	16.05459478	2390

1	14017U	83 36	A	83128.30586748	.00645518	28100-4	24272-3 0	305
2	14017	67.1359		4.9069 0131040	95.9581	265.9738	16.06558118	2533

1	14017U	83 36	A	83129.67133159	.00152847	28294-4	40543-4 0	325
2	14017	67.1313		355.2724 0105172	123.3259	253.1100	16.15199806	2751

1	14017U	83 36	A	83129.99218823	.00149313	28371-4	40543-4 0	332
2	14017	67.1355		355.2176 0101436	101.7974	259.6435	16.15742092	2806

1	14017U	83 36	A	83130.04402482	.00914986	28661-4	23060-3 0	340
2	14017	67.1331		355.0099 0132477	102.5075	253.7950	16.15993393	2816

1	14017U	83 36	A	83130.29155435	.00677153	28613-4	21365-3 0	354
2	14017	67.1336		354.1620 0100765	102.4913	253.7612	16.16426641	2952

1 14017U 83 36 A 83131.03376291 .00998798 29915-4 22847-3 0 368
2 14017 67.1336 351.6191 0095971 121.6118 259.3445 16.17991378 2970

1 14017U 83 36 A 83131.15736642 .00973561 28272-4 22205-3 0 378
2 14017 67.1333 351.1948 0096236 131.6989 259.5035 16.19102016 2993

1 14017U 83 36 A 83131.23096418 .00875229 28005-4 22205-3 0 385
2 14017 67.1300 350.7771 0136559 116.1938 240.1032 16.05205992 3011

1 14017U 83 36 A 83131.65569038 .00890489 27769-4 22205-3 0 397
2 14017 67.1366 349.5302 0137590 119.4230 242.6325 16.05216325 3074

1 14017U 83 36 A 83132.15408743 .00802777 27763-4 29723-3 0 411
2 14017 67.1302 347.8375 0134010 118.3250 243.1719 16.06093405 3150

1 14017U 83 36 A 83133.02553770 .00865236 27752-4 30163-3 0 423
2 14017 67.1299 344.8973 0129792 117.3035 244.1497 16.07530558 3290

1 14017U 83 36 A 83133.21217265 .00817034 27929-4 27989-3 0 430
2 14017 67.1286 344.2671 0129168 117.3423 244.0861 16.07825577 3321

1 14017U 83 36 A 83134.14483291 .00860530 27707-4 27501-3 0 442
2 14017 67.1287 341.1096 0124391 115.0949 245.4116 16.09448046 3479

1 14017U 83 36 A 83135.94523711 .00672170 27513-4 25799-3 0 463
2 14017 67.1303 335.0049 0138208 124.5932 232.0410 16.04898776 3761

1 14017U 83 36 A 83135.13301419 .00664621 27559-4 25799-3 0 484
2 14017 67.1294 334.3720 0139436 124.0769 236.9775 16.04538566 3793

1 14017U 83 36 A 83137.19230029 .00691388 28090-4 25541-3 0 494
2 14017 67.1296 330.3066 0134511 122.6914 238.3509 16.06023763 3969

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Kostmas 1454

Folts. 2

1	14017U	83	36	A	83138.13827827	.01060921	28104-4	35690-3 0	513
2	14017	67.1370	327.4573	0129141	121.2118	240.5965	15.07729688	4126	
1	14017U	83	36	A	83138.68572506	.00869928	27983-4	29036-3 0	523
2	14017	67.1238	325.7662	0126695	121.5096	239.6531	16.08570580	4206	
1	14017U	83	36	A	83139.30735295	.01000534	28863-4	27865-3 0	547
2	14017	67.1228	323.6636	0099634	118.5542	247.2050	16.15792671	4306	
1	14017U	83	36	A	83139.36834024	.00555107	28740-4	15397-3 0	555
2	14017	67.1240	323.4479	0098817	118.4545	242.6501	16.15828134	4315	
1	14017U	83	36	A	83140.17264363	.00919385	28641-4	23917-3 0	560
2	14017	67.1267	320.6935	0093759	117.6664	243.4195	16.17360247	4443	
1	14017U	83	36	A	83140.17264363	.00919385	28641-4	23917-3 0	571
2	14017	67.1267	320.6935	0093759	117.6664	243.4195	16.17360247	4443	
1	14017U	83	36	A	83141.29505773	.01081336	29011-4	25126-3 0	581
2	14017	67.1261	316.8746	0087071	115.2071	245.1548	16.19651616	4627	
1	14017U	83	36	A	83141.47023369	.01108365	28495-4	25126-3 0	596
2	14017	67.1255	316.2379	0085967	116.0058	245.0274	16.20081208	4655	
1	14017U	83	36	A	83141.96395180	.01267509	29185-4	25914-3 0	604
2	14017	67.1236	314.5383	0082448	115.2993	245.7818	16.21320241	4734	

1 14017U 83 36 A 83142.21064209 .01207436 28784-4 24725-3 0 614
2 14017 67.1256 313.6875 0080991 114.9758 245.9691 16.21915559 4775

Decay day 742

83-37A

Kosmos 1455

1	14032U	93 37	A	83113.66153804	.00000011	00000-0	00000 0 0	15
2	14032	92.5140		95.3278 0021462	265.9030	94.0117	14.75435271	18
1	14032U	93 37	A	83113.66153070	.00000011	00000-0	00000 0 0	21
2	14032	82.5218		95.3305 0013707	291.4197	68.5249	14.73423616	16
1	14032U	93 37	A	83121.40223949	.00000660	00000-0	99394-4 0	147
2	14032	92.5113		99.1807 0019596	259.0652	100.8367	14.73640700	1157

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Kosmos 1456

1	14034U	83 38 A	83115.86542891	-.00000475	00000-0	99999-4 0	15
2	14034	62.9158	96.1208 7353499	319.6598	4.3736	2.02248723	16
1	14034U	83 38 A	83115.86555906	-.00000273	00000-0	99999-4 0	23
2	14034	62.9293	96.0919 7347979	319.6372	4.3915	2.02624203	10

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Kosmos 1457

1	14039U	83 39	A	83116.84806442	-.00002686	18690-4	00000 0 0	20
2	14039	70.3971		45.8261 0136397	67.5574	294.0089	16.04827531	71
1	14039U	83 39	A	83116.47401056	-.00002657	18443-4	00000 0 0	15
2	14039	70.4059		46.6822 0143335	66.7261	294.4423	16.04694866	10
1	14039U	83 39	A	83117.03506002	-.00002657	18390-4	00000 0 0	37
2	14039	70.3901		45.2779 0133402	68.2094	293.8178	16.05345729	106
1	14039U	83 39	A	83117.22191122	.00587263	18556-4	23277-3 7	43
2	14039	70.3928		44.7323 0133372	67.6064	203.9532	16.05649154	136
1	14039U	83 39	A	83119.21352493	.00801231	19032-4	27963-3 0	74
2	14039	70.3873		38.9252 0123867	64.0152	297.1302	16.08831501	453
1	14039U	83 39	A	83120.70459284	.03354052	13910-4	11845-2 0	95
2	14039	70.3942		34.5595 0115383	62.3299	298.7445	16.11679864	690
1	14039U	83 39	A	83120.89073091	.00857613	18511-4	25308-3 0	101
2	14039	70.3874		34.0157 0116123	60.6695	300.0236	16.11756164	724
1	14039U	83 39	A	83121.38718714	.00876617	19014-4	25908-3 0	120
2	14039	70.3852		32.5499 0112466	60.1316	301.1012	16.12685575	805

1	14039U	83 39	A	33121.38721035	.00876594	19666-4	25809-3 0	114
2	14039	70.3842		32.5509 0112447	60.1341	301.2342	16.12688543	809
1	14039U			83123.81620367	.00886973	18174-4	00000-0 0	00153
2	14039	70.3844		23.4779 0133809	69.1409	292.4214	16.25390749	1191
1	14039U			83125.24818475	.00721757	18173-4	00000-0 0	00163
2	14039	70.3809		21.3020 0129594	56.8587	294.6172	16.07485593	1429
1	14039U			83125.55924237	.00857917	26676-3	00000-0 0	00171
2	14039	70.3382		20.3929 0127919	66.1309	295.3494	16.08132114	1473
1	14039U	83 39	A	83126.36760304	.00782457	18712-4	25303-3 0	161
2	14039	70.3880		18.0404 0124796	64.1096	297.2844	16.09344349	1603
1	14039U	83 39	A	83127.11321450	.00744130	18961-4	22952-3 0	171
2	14039	70.3851		15.3590 0121297	62.9274	298.3623	16.10496877	1725
1	14039U	83 39	A	83127.11321450	.00744130	18961-4	22952-3 0	182
2	14039	70.3851		15.3590 0121297	62.9274	298.3623	16.10496877	1725
1	14039U	83 39	A	83127.11321460	.00744130	18961-4	22952-3 0	193
2	14039	70.3851		15.3590 0121297	62.9274	298.3623	16.10496877	1725
1	14039U	83 39	A	83127.36164644	.00776558	18272-4	23674-3 0	205
2	14039	70.3839		15.1322 0119930	62.3929	298.2430	16.10878392	1761
1	14039U	83 39	A	83128.10653316	.00358355	19143-4	24000-3 0	212
2	14039	70.3832		12.9503 0106303	74.6031	281.2389	16.05146825	1984
1	14039U	83 39	A	83128.35470266	.00360013	18797-4	24000-3 0	231
2	14039	70.3824		12.2291 0135984	74.1278	275.3367	16.05278369	1927

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Kosmos 1452

forts. 9

1	14039U	83 39	A	83130.34983307	.00407091	18731-4	25002-3 0	260
2	14039	70.3814		6.4221 0102424	70.2560	290.3885	16.06954377	2245
1	14039U	83 39	A	83132.15437152	.00570124	18633-4	32584-3 0	287
2	14039	70.3854		1.1539 0097306	67.3533	294.1044	16.08575727	2539
1	14039U	83 39	A	83133.27323337	.00542862	18949-4	29224-3 0	295
2	14039	70.3930		357.3829 0094351	65.4280	295.5020	16.09795087	2714
1	14039U	83 39	A	83134.14296691	.00603477	18391-4	30651-3 0	304
2	14039	70.3798		355.3396 0092274	63.7056	297.4125	16.10904544	2855
1	14039U	83 39	A	83135.12883319	.00598167	18909-4	27108-3 0	322
2	14039	70.3803		349.5069 0086548	60.1302	300.3800	16.13072508	3171
1	14039U	83 39	A	83136.19083976	.00583489	18364-4	26379-3 0	336
2	14039	70.3782		349.3281 0086382	60.3015	300.6618	16.13127768	3186
1	14039U	83 39	A	83136.09675363	.00374727	18709-4	26379-3 0	348
2	14039	70.3826		346.9710 0124043	78.5204	271.3509	16.01286650	3319
1	14039U	83 39	A	83137.24555112	.00322537	19236-4	23082-3 0	355
2	14039	70.3789		346.2417 0122623	77.5583	283.8476	16.01372061	3357
1	14039U	83 39	A	83137.56087958	.00395697	18119-4	27952-3 0	373
2	14039	70.3785		345.3385 0121928	75.9485	284.5758	16.01637689	3405

1	14039U	83 39	A	93138.68471878	.00435652	18089-4	29524-3 0	386
2	14039	70.3776	342.0851	0119125	75.0518	286.3675	16.02643475	3586

1	14039U	83 39	A	93140.24454323	.00393150	18938-4	25635-3 0	396
2	14039	70.3775	337.5598	0115070	72.3546	288.2957	16.03859287	3839

1	14039U	83 39	A	93140.86814752	.00306971	18482-4	25635-3 0	401
2	14039	70.3851	335.7463	0114749	78.0696	282.0499	16.00952857	3938

1	14039U	83 39	A	93141.24324364	.00300270	18660-4	24352-3 0	419
2	14039	70.3785	334.6653	0115580	77.2535	284.1219	16.01168406	3999

1	14039U	83 39	A	93141.80546031	.00481052	18523-4	38649-3 0	429
2	14039	70.3841	333.0407	0113355	75.8325	285.6421	16.01644915	4068

1	14039U	83 39	A	93142.05524792	.00405816	18684-4	32127-3 0	435
2	14039	70.3780	332.3147	0113594	75.9519	285.3499	16.01798972	4123

1	14039U	83 39	A	93142.61722958	.00294887	18707-4	23033-3 0	443
2	14039	70.3802	330.6916	0112642	74.8507	286.4066	16.02166949	4217

1	14039U	83 39	A	93142.92940787	.00530465	19074-4	23033-3 0	458
2	14039	70.3779	329.7791	0092137	94.5258	273.5117	16.12576336	4263

1	14039U	83 39	A	93143.36240628	.00709256	19273-4	30449-3 0	461
2	14039	70.3764	328.5060	0099777	93.4479	267.7623	16.13101013	4334

1	14039U	83 39	A	93143.61041836	.00923158	18869-4	39689-3 0	474
2	14039	70.3750	327.7737	0087655	92.4043	268.6982	16.13444267	4373

1	14039U	83 39	A	93144.16823552	.00697134	18738-4	28302-3 0	486
2	14039	70.3762	326.1346	0086788	92.1036	268.7727	16.14227090	4461

83-39A

Kosmos 1457

parts 2

1	14039U	83 39	A	83144.91166776	.00733766	19750-4	28302-3 0	494
2	14039	70.3755	323.9426	0083857	90.5830	270.4624	16.15280586	4595
1	14039U	83 39	A	83145.15935245	.00690570	18897-4	26104-3 0	504
2	14039	70.3729	323.2131	0083293	90.2765	270.7692	16.15595512	4621
1	14039U	83 39	A	83146.14952682	.00699530	19175-4	24422-3 0	525
2	14039	70.3711	320.2950	0079307	98.2528	272.7492	16.17115741	4792
1	14039U	83 39	A	83146.70612388	.00337108	18560-4	24422-3 0	531
2	14039	70.3783	318.6390	0107600	118.4424	240.9216	16.03977117	4870
1	14039U	83 39	A	83147.14301906	.00363080	13724-4	26352-3 0	552
2	14039	70.3735	317.3701	0107808	117.9117	243.3148	16.04075787	4944
1	14039U	83 39	A	83150.13405318	.00528753	18383-4	34205-3 0	582
2	14039	70.3790	308.6545	0100317	112.1479	249.2122	16.06594490	5420
1	14039U	83 39	A	83150.32080345	.00414903	18890-4	26438-3 0	596
2	14039	70.3719	308.1240	0100614	111.7564	249.4059	16.06739414	5459
1	14039U	83 39	A	83152.81252623	.00484191	18648-4	35022-3 0	633
2	14039	70.3731	300.8696	0112671	115.0273	246.2073	16.03053107	5855
1	14039U	83 39	A	83153.24928780	.00360053	18535-4	26826-3 0	64
2	14039	70.3648	299.6061	0109212	113.9024	247.2637	16.03340670	592

140390	83	39	A	83156.05481933	.0038995E	18903-4	25718-3	0	69
14039	70.3697	291.4512	0104682	108.8422	252.4027	16.05614821	637		
140390	83	39	A	83158.72845091	.0117059E	18665-4	42287-3	0	74
14039	70.3718	283.6324	0089003	119.2964	241.6443	16.15057340	680		
40390	83	39	A	83159.34769273	.00724236	19313-4	25563-3	0	76
4039	70.3701	281.8037	0086022	118.1624	242.7234	16.15840932	690		

83-40A

Kosmos 1458

1	14044U	83 40	A	83118.47048143	.00000089	00000-0	00000 0 0	10
2	14044	82.3213		9.5903 0026182	101.5734	258.8396	16.16540608	14
1	14044U	83 40	A	83119.89406563	.00114814	00000-0	71643-4 0	47
2	14044	82.3193		7.9192 0026052	96.9248	263.6409	16.17003718	231
1	14044U	83 40	A	83120.33910753	.00191611	-17997-5	11732-3 0	50
2	14044	82.3204		7.3364 0025791	94.5136	266.1310	16.17254084	319
1	14044U	83 40	A	83121.37896698	.00197685	-17971-5	11761-3 0	63
2	14044	82.3198		6.1716 0025473	90.4183	270.0902	16.17658839	473
1	14044U	83040	A	83123.79078267	.00220826	33091-4	00000-0 0 00100	
2	14044	82.3145		3.3253 0024439	78.1709	282.2261	16.13654929	866
1	14044U	83040	A	83124.53260605	.00138223	-15345-3	00000-0 0 00119	
2	14044	82.3178		2.4534 0024469	77.1872	283.2092	16.13861477	980
1	14044U	83040	A	83125.39805533	-.00678398	-25866-2	00000-0 0 00132	
2	14044	82.3202		1.4373 0031509	81.7922	278.6880	16.18355300	1122

1	14044U	83 40	A	83126.51090795	.00227259	-19570-5	12413-3 0	95
2	14044	82.3196		7.1230 0024836	80.9813	279.5081	16.18825978	1303
1	14044U	83 40	A	83127.37620982	.00193194	-16900-5	10270-3 0	102
2	14044	82.3221		359.1061 0025351	77.2892	282.9483	16.19140838	1446
1	14044U	83 40	A	83128.36498312	.00186260	-16929-5	10270-3 0	120
2	14044	82.3148		357.9507 0023232	85.1352	273.6920	16.18802763	1502
1	14044U	83 40	A	83129.04539576	.00205793	-20535-0	11422-0 0	144
2	14044	82.3174		357.1432 0025750	81.0359	279.3592	16.18532757	1714
1	14044U	83 40	A	83125.95451391	.00094438	-25865-2	00000-0 0	00150
2	14044	82.3120		0.7769 0026179	83.3376	277.0530	16.19589953	1211
1	14044U	83 40	A	83130.34357797	.00176172	00000-0	95041-4 0	155
2	14044	82.3139		355.5125 0025123	76.6035	283.7713	16.19986773	1029

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GOES 6

1	140500	83	41	A	83119.24833330	.00000082	00000-0	99999-4 0	17
2	14050	25.2922	9.2766	7824035	180.9202	175.1342	1.63003216		11
1	140500	83	41	A	83119.25391766	.00000063	00000-0	99999-4 0	20
2	14050	25.2303	8.5710	7923620	181.6094	178.5552	1.62837611		15
1	140500	83	41	A	83120.48395833	-.00000085	00000-0	99999-4 0	32
2	14050	0.4217	280.5437	1596470	287.7599	155.7610	0.84371626		29
1	140500	83	41	A	83120.48472222	-.00000086	00000-0	99999-4 0	42
2	14050	0.4581	300.7510	1576300	266.1170	157.9800	0.84342267		29
1	140500	83	41	A	83120.22646196	-.00000051	00000-0	99999-4 0	94
2	14050	0.4919	275.6555	2635389	290.7441	4.1073	0.91925816		97

83-42A

Kosmos 1459

1	14057U	83 42A	93126.11024215	.00000006	00000-0	00000-0	0	00010
2	14057	82.9455	295.4145	0026469	275.6267	84.1855	13.73542463	04
1	14057U	83 42 A	93126.54760783	.00000006	00000-0	00000	0 0	13
2	14057	82.9548	296.2204	0048373	301.8971	57.7552	13.751764-2	50
1	14057U	83 42A	93126.25657197	.00000006	00000-0	00000-0	0	00027
2	14057	82.9713	296.4470	0037269	315.8928	43.9205	13.75310225	28

83-43A

Kosmos 1460

1	14059U	83 43	A	83127.06519249	-.00000293	00000-3	00000 0 0	11
2	14059	70.3224		42.3275 0105901	60.0769	300.6845	15.97763212	92
1	14059U	83 43	A	83127.06519249	-.00000293	00000-0	00000 0 0	22
2	14059	70.3224		42.3275 0105901	60.0769	300.6845	15.97763212	92

1	14059U	83 43	A	83127.12787070	-.00000100	00000-0	00000 0 0	35
2	14059	70.3645		42.1114 0032370	230.6782	127.2429	15.63321435	90

1	14059U	83 43	A	83127.25621308	-.00000102	00000-0	00000 0 0	44
2	14059	70.3377		41.7999 0048727	214.1941	145.4102	15.61759589	111

1	14059U	83 43	A	83127.44840082	.00000914	00000-0	99999-4 0	59
2	14059	70.3378		41.2980 0048313	214.0071	145.7831	15.61748081	140

1	14059U	83 43	A	83128.40916560	.000004192	00000-0	45407-4 0	68
2	14059	70.3377		39.6653 0049079	211.7171	148.1189	15.61760653	290

1	14059U	83 43	A	83129.75421292	.00588026	00000-0	30117-2 0	88
2	14059	70.3317		34.9863 0047877	209.2330	150.4938	15.61704324	502

1	14059U	83 43	A	83130.20253313	.00591329	00000-0	30117-2 0	95
2	14059	70.3434		33.7634 0047502	209.5349	151.0080	15.61859346	571

1	14059U	83 43	A	83130.26663459	.00024942	00000-0	27101-3 0	100
2	14059	70.3420		33.5934 0048683	208.8975	150.9409	15.61776659	582
1	14059U	83 43	A	83131.29145753	.00000326	00000-0	10064-4 0	117
2	14059	70.3397		33.7929 0048678	207.0667	152.7923	15.61755078	749
1	14059U	83 43	A	83132.25221356	.00023191	00000-0	25297-3 0	129
2	14059	70.3390		28.1561 0049000	205.3021	154.5955	15.61781035	924
1	14059U	83 43	A	83126.55461016	.00000000	00000-0	00000-0 0 00013	
2	14059	70.3245		43.7743 0102749	61.3993	299.7456	15.98652013	32
1	14059U	83 43	A	83133.27599123	.00005473	00000-0	71240-4 0	139
2	14059	70.3339		25.3673 0048706	203.4200	156.2463	15.61767794	1293
1	14059U	83 43	A	83134.17372252	.00001923	00000-0	21956-4 0	144
2	14059	70.3392		22.9171 0048599	201.7911	158.0942	15.61756148	1220
1	14059U	83 43	A	83136.22334148	.00001783	00000-0	20462-4 0	151
2	14059	70.3377		17.3145 0048425	198.1574	161.7849	15.61759653	1541
1	14059U	83 43	A	83137.24814511	.00000399	00000-0	54292-5 0	173
2	14059	70.3379		14.5159 0048344	196.4040	163.5412	15.61768169	1700
1	14059U	83 43	A	83137.24814511	.00000399	00000-0	54292-5 0	184
2	14059	70.3379		14.5159 0048344	196.4240	163.5412	15.61768169	1700
1	14059U	83 43	A	83138.40105367	.00001275	00000-0	14945-4 0	190
2	14059	70.3380		11.3657 0048593	194.7107	165.2887	15.61773397	1885
1	14059U	83 43	A	83138.65725032	.00000291	00000-0	42516-5 0	209
2	14059	70.3383		10.6656 0048516	194.2312	165.7517	15.61772940	1920

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Kosmos 1460

for 13.1

1	14058U	83 43	A	03139.33180164	.00004937	00000-0	53553-4 0	212
2	14058	70.3332		3.7406 0043481	192.8065	167.2053	15.61783982	2034

1	14058U	83 43	A	03140.32254099	.00002596	00000-0	29267-4 0	225
2	14058	70.3374		3.1147 0048501	191.5209	168.4703	15.61785446	2195

Decay day 140

83-44A

Kosmos 1461

1	140540	83 44	A	83127.49408300	-.00004397	30295-4	00000 0 0	14
2	14064	65.1868		56.4477 0329863	59.2042	290.3965	15.64424194	13
1	140540	83 44	A	83127.63648742	-.00002132	00000-0	00000 0 0	21
2	14064	64.9744		56.3436 0011782	279.1150	71.1222	15.43085048	49
1	140540	83 44	A	83129.40126751	.00011946	00000-0	27536-3 0	35
2	14064	65.0312		53.9525 0013491	274.7502	35.2503	15.42342568	152
1	140540	83 44	A	83123.98434293	.03499324	00000-0	50150-1 0	57
2	14064	65.0396		52.0262 0013299	284.8553	74.5497	15.43908611	241
1	140640	83 44	A	83129.11397057	.01340922	00000-0	24702-1 0	66
2	14064	65.0353		51.5721 0010443	285.5214	74.2406	15.43916601	265
1	140540	83 44	A	83129.95616537	.00012646	00000-0	41329-3 0	82
2	14064	65.0341		48.7720 0011942	282.3309	76.6902	15.43417077	394
1	140640	83 44	A	83130.34502473	.00029125	00000-0	34791-3 0	96
2	14064	65.0326		47.4677 0011331	271.5360	68.4722	15.43463169	454
1	140540	83 44	A	83132.22407570	.00013210	00000-0	29793-3 0	123
2	14064	65.0323		41.1987 0011013	272.6364	87.3761	15.43465308	749

1	14064U	83 44	A	83133.26077210	.00006226	00000-0	14353-3 0	139
2	14064	65.0308		37.7414 0010993	271.3200	89.1180	15.43472906	923
1	14064U	83 44	A	83134.23268812	.00004389	00000-0	10288-3 0	149
2	14064	65.0311		34.4990 0011097	269.8423	90.1318	15.43479322	1052
1	14064U	83 44	A	83136.17649193	.00005541	00000-0	12981-3 0	163
2	14064	65.0304		28.0156 0010548	274.7125	84.9447	15.43376757	1356
1	14064U	83 44	A	83137.21331804	.00012142	00000-0	27502-3 0	173
2	14064	65.0306		24.5556 0010648	271.8320	89.1387	15.43385581	1511
1	14064U	83 44	A	83137.21331804	.00012142	00000-0	27502-3 0	189
2	14064	65.0306		24.5556 0010648	271.8320	89.1387	15.43385581	1511
1	14064U	83 44	A	83138.70367562	.00003326	00000-0	76679-4 0	201
2	14064	65.0297		19.5854 0010740	271.8822	89.1262	15.43398827	1748
1	14064U	83 44	A	83139.22205261	.00007167	00000-0	16475-3 0	211
2	14064	65.0290		17.8560 0010912	271.9528	89.1511	15.43401011	1827
1	14064U	83 44	A	83140.25879800	.00004276	00000-0	10066-3 0	221
2	14064	65.0301		14.3992 0010805	271.1375	88.8132	15.43404840	1981
1	14064U	83 44	A	83150.30206401	.00014430	00000-0	32439-3 0	321
2	14064	65.0285		340.8884 0011017	274.9336	85.0523	15.43500061	3531
1	14064U	83 44	A	83156.13381532	.00003474	00000-0	79957-4 0	39
2	14064	65.0286		321.4356 0010677	275.9489	84.0204	15.43392225	443
1	14064U	83 44	A	83158.14251451	.00011968	00000-0	27092-3 0	42
2	14064	65.0275		314.7325 0010949	278.2503	81.7357	15.43407729	474

83-44A

Kosmas 1467

forts. 1

140640	83-44	A	83211.92309339	.00090756	00000-0	19953-2-0	121
14064	85.0286	135.3087	0012414	288.0546	70.8798	15.43407445	1304
140640	83-44	A	83212.24709739	.00060404	00000-0	13330-2-0	122
14064	85.0295	134.2300	0012096	288.1133	71.8729	15.43454956	1309

83-45A

Kosmos 1462

1	14071U	83 45	A	83137.39812071	.00000094	00000-0	00000 0 0	11
2	14071	82.4051		20.6889 0069116	88.5690	272.3791	16.07059733	10
1	14071U	83 45	A	83137.51265196	.00000087	00000-0	00000 0 0	30
2	14071	82.3214		20.7215 0059901	91.1765	270.9223	16.06880579	35
1	14071U	83 45	A	83137.76122224	.00000093	00000-0	00000 0 0	49
2	14071	82.3209		20.4371 0062049	91.6080	269.2358	16.09875758	79
1	14071U	83 45	A	83137.82341922	.00000095	00000-0	00000 0 0	57
2	14071	82.3269		20.3678 0061325	90.9688	269.3701	16.08895229	88
1	14071U	83 45	A	83138.07220730	.00000086	00000-0	00000 0 0	69
2	14071	82.3260		20.0738 0059717	89.9507	270.9939	16.09013250	122
1	14071U	83 45	A	83138.44533930	.00000085	00000-0	00000 0 0	79
2	14071	82.3605		19.7129 0043550	295.1597	59.0758	16.09333910	180
1	14071U	83 45	A	83138.57063909	.00000059	00000-0	00000 0 0	89
2	14071	82.3289		19.4964 0015063	324.7337	32.6466	16.03143337	204
1	14071U	83 45	A	83138.63351806	.00051066	00000-0	99999-4 0	93
2	14071	82.3269		19.4245 0014079	321.9249	38.0672	16.02302534	213

1	14071U	83 45	A	83139.38247575	.00443450	90392-4	72230-3 0	117
2	14071	82.3228		18.5573 0011502	314.4284	45.0291	16.03211443	336
1	14071U	83 45	A	83140.19401149	.00046903	30000-0	75372-4 0	135
2	14071	82.3214		17.6263 0011679	314.2924	45.7386	16.03228952	463
1	14071U	83 45	A	83143.12754844	.00052725	00000-0	91517-4 0	176
2	14071	82.3174		14.2433 0010400	333.1086	26.9515	16.01926065	932
1	14071U	83 45	A	83144.06452335	.00029176	00000-0	50555-4 0	205
2	14071	82.3167		13.1658 0010030	326.9288	33.1176	16.02028604	1087
1	14071U	83 45	A	83144.19945288	.00061510	88518-6	10677-3 0	217
2	14071	82.3164		13.0212 0010032	329.2103	30.3609	16.02055292	1104
1	14071U	83 45	A	83145.19881021	.00058197	00000-0	99562-4 0	225
2	14071	82.3174		11.8721 0009916	325.0703	34.9654	16.02167182	1269
1	14071U	83 45	A	83147.18732815	.00051600	00000-0	87319-4 0	243
2	14071	82.3162		9.5733 0009649	314.5548	45.4939	16.02380579	1581
1	14071U	83 45	A	83150.30948163	.00049594	00000-0	82427-4 0	274
2	14071	82.3164		5.9790 0009335	299.4622	60.5407	16.02700096	2086

83-46A

Kosmos 1463

1	14075U	83 46	A	83139.63469289	.00000025	00000-0	00000 0 0	25
2	14075	82.9566		84.5536 0857295	112.5909	256.9313	13.91055373	28
1	14075U	83 46	A	83140.28205912	.00000026	00000-0	00000 0 0	47
2	14075	82.9405		84.0568 0856627	110.7360	258.7741	13.91105618	111

83-47

Intelsat 5 F-6

1	1408 IU	47B	83 141.44550022	0.00005135	28800-4	68647-3 0	17
2	14081	23.5991	33.7639 7250475	179.2972	182.7618	2.34783813	50

83-48A

Kosmos 1464

1	14084U	83 48	A	83144.18327715	.00004020	00000-0	42900-2 2	11
2	14084	82.9495		313.9466 0030266	283.7175	76.1304	13.73554656	15
1	14084U	83 48	A	83144.25610788	.00003997	00000-0	42900-2 0	27
2	14084	82.9473		313.8912 0028940	281.6861	78.0372	13.73233709	21
1	14084U	83 48	A	83144.32898329	.00003997	00000-0	42900-2 0	35
2	14084	82.9454		313.8359 0028661	280.8691	78.9195	13.73235375	31

83-49A

Kosmos 1465

1	147970	83 49	A	83147.16597303	.00099850	00000-0	16991-2 0	59
2	14087	50.6617		249.0815 0141956	148.7697	212.1939	15.40059951	143
140870	83 49	A	83156.18336196	.00022601	00000-0	38942-3 0	16	
14087	50.6631		203.0916 0140662	184.6528	175.3824	15.40588406	155	
140910	83 49	C	83160.33069942	.00306906	00000-0	37478-2 0	13	
14091	50.6455		181.5651 0103874	197.5720	162.1348	15.52180049	218	
140920	83 49	D	83160.32061617	.00340480	00000-0	40085-2 0	13	
14092	50.6893		181.5912 0102717	195.5076	164.2290	15.53619966	218	
140930	83 49	E	83159.53160087	.00382749	00000-0	40853-2 0	27	
14093	50.6761		185.3557 0106647	188.0238	171.9039	15.55477835	200	
140940	83 49	F	83160.30434209	.00387615	00000-0	42139-2 0	17	
14094	50.6254		181.3534 0099158	191.3104	168.5566	15.55869533	218	

4087U	83	49	A	83162.21506265	.00025730	00000-0	43950-3	0	22
4087	50.6618	172.9811	0139541	208.3449	151.0899	15.40878420			247

83-50A

Kosmos 1466

1	14089U	83 50	A	83146.55596516	-.00004949	34166-4	00000 0 0	29
2	14089	64.8984		99.1968 0131734	60.1440	301.5736	16.05200676	13
1	14089U	83 50	A	83146.61921541	-.00004976	34533-4	00000 0 0	33
2	14089	64.8969		98.9541 0131463	60.0267	301.3876	16.05185536	21
1	14089U	83 50	A	83147.17982640	.00673736	34477-4	28250-3 0	45
2	14089	64.8830		96.8885 0129812	60.3773	301.0125	16.05260150	111
1	14089U	83 50	A	83150.28989231	.00627862	34073-4	22546-3 0	71
2	14089	64.8806		85.4114 0117123	59.3026	301.6920	16.09725457	613
1	14089U	83 50	A	83152.46220947	.00815307	34931-4	25020-3 0	129
2	14089	64.8789		77.3492 0107932	58.5285	302.7060	16.13041609	967
1	14089U	83 50	A	83153.14394800	.00922707	34974-4	25020-3 0	134
2	14089	64.8806		74.2079 0091570	59.0579	304.0963	16.17310886	1074
1	14089U	83 50	A	83153.26724191	.00914834	34806-4	24379-3 0	14
2	14089	64.8805		74.3461 0091259	58.9025	302.0990	16.17534225	109

140890	83 50	A	83156.18458388	.00593018	34594-4	21781-3 0	20
14089	64.8773		63.5220 0124101	75.9621	285.5868	16.08129006	156
140890	83 50	A	83158.17296838	.00930845	34721-4	26712-3 0	24
14089	64.8763		56.1627 0116306	75.6229	285.9789	16.10943866	188
140890	83 50	A	83159.22777529	.00769252	34701-4	23087-3 0	25
14089	64.8778		52.2468 0111537	75.2174	286.1206	16.12542789	205
140890	83 50	A	83162.76333738	.00669514	33716-4	24303-3 0	32
14089	64.8740		39.1059 0140437	58.8278	302.7766	16.04924128	262
140890	83 50	A	83164.32004915	.00698867	34380-4	23411-3 0	35
14089	64.8743		33.3747 0133408	58.3818	302.9968	16.07126063	287
140890	83 50	A	83164.75556071	.00977951	34156-4	31445-3 0	36
14089	64.8723		31.7679 0130444	58.0650	303.7228	16.08097211	294
140890	83 50	A	83164.94203640	.01141804	34802-4	31445-3 0	37
14089	64.8761		31.0728 0107541	58.2759	304.1666	16.14112857	297
140890	83 50	A	83165.12766363	.01047236	34935-4	28914-3 0	38
14089	64.8718		30.3810 0105591	57.8458	303.2617	16.14453130	300
140890	83 50	A	83166.18000205	.01147169	34692-4	28914-3 0	39
14089	64.8701		26.4523 0099106	57.3841	303.4522	16.16566348	317
140890	83 50	A	83167.04559580	.01164144	35343-4	26354-3 0	40
14089	64.8730		23.2100 0094644	57.3426	303.2390	16.18396540	331
140890	83 50	A	83167.16924811	.01089651	35541-4	24546-3 0	41
14089	64.8712		22.7468 0093659	57.2218	303.7680	16.18634628	333
140890	83 50	A	83168.15714313	.01118370	35333-4	22594-3 0	42
14089	64.8710		19.0363 0087317	57.0145	303.8588	16.20804304	349

83-50A

Kosmos 1466

font. 7

4089U	83 50	A	83170.81936913	.00955215	35282-4	24393-3 0	47
4089	64.8716		9.0995 0106592	73.1559	288.0691	16.15004242	392
4089U	83 50	A	83171.87063744	.01132010	35245-4	24234-3 0	50
4089	64.8710		5.1662 0094200	74.4216	286.8430	16.18986781	409
4089U	83 50	A	83172.24114764	.01147320	35110-4	23488-3 0	51
4089	64.8701		3.7732 0091780	74.1029	287.0379	16.19843895	415
4089U	83 50	A	83173.22626282	.01184599	35305-4	20879-3 0	52
4089	64.8707		0.0595 0085341	73.1490	288.1875	16.22236975	431
4089U	83 50	A	83173.35149722	.01317154	35834-4	22241-3 0	53
4089	64.8684		359.5942 0084088	73.5448	287.6146	16.22678350	433
4089U	83 50	A	83173.90589879	.00532125	34113-4	22241-3 0	54
4089	64.8689		357.5461 0164427	103.9846	230.8410	15.96588918	442
4089U	83 50	A	83174.16082838	.00528353	33226-4	22241-3 0	55
4089	64.8658		356.6116 0162820	104.1923	257.7570	15.98857530	446
4089U	83 50	A	83175.16116879	.00668541	34109-4	26795-3 0	56
4089	64.8669		352.9603 0158455	103.9719	257.9102	16.00230986	462
4089U	83 50	A	83175.41112335	.00641838	34054-4	25495-3 0	57
4089	64.8648		352.0477 0157319	103.6794	258.2873	16.00558353	466
4089U	83 50	A	83176.59773520	.00788305	34205-4	29972-3 0	59
4089	64.8697		347.7013 0152164	102.7519	259.0645	16.02041955	485

14089U	83 50	A	83177.15939932	.01010526	34868-4	29972-3 0	60
14089	64.8663	345.6371	0105453	102.1399	263.7628	16.13823501	494
14089U	83 50	A	83177.96379144	.C0893291	34920-4	24812-3 0	61
14089	64.8661	342.6396	0101521	102.0853	258.7430	16.15208470	507
14089U	83 50	A	83178.08768783	.C0895172	34684-4	24505-3 0	62
14089	64.8664	342.1769	0101077	102.1827	259.0645	16.15430148	509
14089U	83 50	A	83178.83026585	.C0655816	34700-4	24505-3 0	63
14089	64.8779	339.3799	0132107	109.0436	248.3093	16.06346319	521
14089U	83 50	A	83179.20447853	.00843220	33835-4	31497-3 0	64
14089	64.8655	338.0284	0128851	114.7181	247.0629	16.06987866	527
14089U	83 50	A	83179.70215162	.01001293	34273-4	37245-3 0	65
14089	64.8745	336.2035	0125354	114.2599	246.9569	16.07721024	535
14089U	83 50	A	83179.82658699	.011898E4	35173-4	37245-3 0	66
14089	64.8672	335.7290	0101784	112.8938	250.9765	16.13998819	537
14089U	83 50	A	83180.32167437	.C08814E5	34798-4	27093-3 0	67
14089	64.8642	333.8841	0098394	113.8035	247.0412	16.14829917	545
14089U	83 50	A	83180.69323249	.C1069027	34931-4	31709-3 0	68
14089	64.8624	332.4938	0096521	113.8449	247.4554	16.15517008	551
14089U	83 50	A	83181.06456855	.C0872428	34809-4	24980-3 0	691
14089	64.8653	331.1052	0095133	113.5472	247.4153	16.16128735	5578
14089U	83 50	A	83181.18834819	.C0887090	34595-4	25098-3 0	70
14089	64.8650	330.6450	0094522	113.4474	247.6684	16.16356716	559
14089U	83 50	A	83182.30134178	.01148954	35591-4	29078-3 0	71
14089	64.8616	326.4827	0088427	113.1974	248.0152	16.18534985	577

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Kosmos 1466

for ts. 2

089U	83	50	A	83182.79543874	.02060213	34851-4	48517-3	0	72
089	64.8701	324.6238	0086169	112.9920	247.6392	16.19605367			585
089U	83	50	A	83182.91898136	.00776645	35040-4	18473-3	0	73
089	64.8657	324.1590	0085603	112.3067	248.5762	16.19654118			587
089U	83	50	A	83183.28941475	.01002656	35643-4	23267-3	0	74
089	64.8659	322.7670	0082556	111.9831	249.1593	16.20424513			593

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EXOSAT

1	14096U			83147.17432845	0.01009394			14558	1	0	33
2	14096	72.3217		184.0637	1106334	331.2925	23.0956	12.08627343			63
14095U	83	51	A	83154.21997390	.00001253	00000-0	00000	0	0		4
14095	70.2046	181.1392		9330686	289.8487	1.4956	0.26490645				2
14095U	83	51	A	83154.21997390	.00001253	00000-0	00000	0	0		4
14095	70.2046	181.1392		9330686	289.8487	1.4956	0.26490645				2
14095U	83	51	A	83197.99999999	.00001374	00000-0	99999-4	0			9
14095	72.0896	185.6967		9306287	284.5048	225.0050	0.26512259				12

83-52 A

Kosmos 1467

1	14100U	83 52	A	83151.60306577	-.00001697	11762-4	00000 0 0	25
2	14100	72.8665		67.9314 0124311	85.9899	275.5307	15.97937584	32
1	14100U	83 52	A	83151.66567513	-.00001661	11567-4	00000 0 0	35
2	14100	72.8582		67.7328 0124308	85.3087	276.2295	15.97949727	49
1	14100U	83 52	A	83151.72828230	-.00001693	11879-4	00000 0 0	40
2	14100	72.8616		67.5773 0123735	95.4252	276.1106	15.97910248	54
1	14100U	83 52	A	83151.91610655	.00197065	11765-4	18294-3 0	52
2	14100	72.8566		67.1025 0123912	84.6661	276.9057	15.98012436	74
1	14100U	83 52	A	83152.41690061	.00015770	00000-0	18294-3 0	66
2	14100	72.8578		65.8826 0043685	210.3556	114.4105	15.60576058	153
1	14100U	83 52	A	83151.97442319	-.00000061	00000-0	00000 0 0	79
2	14100	72.8580		66.9407 0043470	210.9451	148.9713	15.60570465	80
1	14100U	83 52	A	83153.38473611	.00000246	00000-0	35593-5 0	11
2	14100	72.8584		63.5703 0043832	207.6179	152.2808	15.60571786	30
1	14100U	83 52	A	83156.20540685	.00000025	00000-0	99999-6 0	15
2	14100	72.8593		56.8334 0043382	201.3666	158.5772	15.60550561	74

14100U	83	52	A	83158.19272144	.00008903	00000-0	10420-3	0	19
14100	72.8582	52.0866	0043230	167.1882	162.7789	15.6054	1891	105	
14100U	83	52	A	83159.41076122	.00000877	00000-0	10854-4	0	20
14100	72.8611	49.1789	0042732	194.5601	165.4321	15.6052	7547	124	
14100U	83	52	A	83162.29560775	.00087092	00000-0	99999-3	0	23
14100	72.8598	42.2876	0042455	187.9570	172.0976	15.6053	5599	169	

83-53

Venera 15

141050 83 53 B 83154.13962622 .20315092 61425-4 21450-3 0 7
14105 51.5454 293.2255 0009399 37.6783 322.4905 16.49986819 18

81-54

Venera 16

141080 83 54 B 83158.64930727 .05510057 59054-4 57275-3 0 4
14108 51.5096 299.4475 0031195 48.8335 311.5577 16.35060483 10

141080 83 54 B 83159.31940894 .13128896 60946-4 16287-3 0 12
14108 51.5010 295.6473 0012594 38.2751 322.3001 16.48709582 20

83-55A

Kosmos 1468

141100	83 55	A	83158.75280505	.00000238	00000-0	-61654-5 0	1
14110	82.3384		38.6833 0030107		89.2265 271.2546	16.14387662	6
141100	83 55	A	83159.37482910	.00029467	00000-0	47218-4 0	0
14110	82.3416		37.9597 0018935	294.1113	65.8127	16.03089301	13
141100	83 55	A	83158.38089308	.00000085	00000-0	00000 0 0	0
14110	82.3287		39.1182 0031357		90.3093 270.1785	16.14237891	0
141100	83 55	A	83162.18354826	.00056190	00000-0	88149-4 0	9
14110	82.3407		34.7324 0018536		281.8842 77.9772	16.03391519	62
141100	83 55	A	83164.36776463	.00044601	00000-0	69235-4 0	11
14110	82.3386		32.2204 0018790		272.2613 87.5502	16.03589485	97
141100	83 55	A	83165.05419830	.00040372	00000-0	69235-4 0	12
14110	82.3373		31.4340 0013243		277.8135 81.5419	16.02099664	108
141100	83 55	A	83165.17922705	.00068786	12133-5	11854-3 0	13
14110	82.3362		31.2887 0013566		280.7233 79.2412	16.02095925	110
141100	83 55	A	83167.11538266	.00044838	00000-0	76025-4 0	15
14110	82.3352		29.0648 0013379		271.3972 88.5011	16.02278659	141

14110U	83	55	A	83168.17707666	.00038257	00000-0	64658-4	0	16
14110	82.3373	27.8462	0013526	267.2984	92.6693	16.02365449			158
14110U	83	55	A	83168.98891558	.00047438	00000-0	79642-4	0	17
14110	82.3361	26.9163	0013200	262.7886	57.2171	16.02445111			171
14110U	83	55	A	83170.23779589	.00058348	00000-0	96923-4	0	18
14110	82.3383	25.4819	0013372	257.6880	102.2807	16.02589145			191

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4112U	83	56	A	83162.21628610	.00003652	00000-0	66308-2	0	5
4112	63.3426	325.6187	0079674	152.8280	207.6611	13.40480188			15
4112U	83	56	A	83163.93313500	.00018298	00000-0	34767-1	0	9
4112	63.5115	321.2722	0084595	154.3330	206.1971	13.36406943			38
4112U	83	56	A	83163.93313413	.00018184	00000-0	34767-1	0	10
4112	63.4334	321.2471	0080459	156.1822	204.2279	13.36128666			38
4112U	83	56	A	83164.38220440	.00000031	00000-0	16450-3	0	11
4112	63.4340	320.1139	0080362	156.3188	204.1902	13.36154056			44
4112U	83	56	A	83165.20545648	.00002263	00000-0	44313-2	0	12
4112	63.4326	318.0361	0080377	156.2957	204.1742	13.36155670			55

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Kosmos 1469

Decay: June 24, 1983

141230	83 57	A	83165.50214336	-	.00001689	11762-4	00000 0 0	1
14123	72.8070		90.7672 0123695		85.7423	275.6837	15.98751449	0
141230	83 57	A	83165.75246267	-	.00001647	11250-4	00000 0 0	2
14123	72.8541		90.1276 0122188		82.8406	278.8730	15.99031137	4
141230	83 57	A	83165.75275504	-	.00001675	11653-4	00000 0 0	3
14123	72.8406		90.0798 0131620		86.7281	274.9009	15.96846689	4
141230	83 57	A	83166.00335692	-	.00001705	11842-4	00000 0 0	4
14123	72.8335		89.4498 0132613		86.1706	275.5044	15.96883540	8
141230	83 57	A	83166.00335692	-	.00001705	11842-4	00000 0 0	5
14123	72.8335		89.4498 0132613		86.1706	275.5044	15.96883540	8
141230	83 57	A	83166.12864706	-	.00001662	11450-4	00000 0 0	6
14123	72.8419		89.1257 0137372		89.9983	271.4448	15.96056860	10
141230	83 57	A	83166.19137208		.00147276	11134-4	13185-3 0	7
14123	72.8440		88.9667 0136437		89.7713	271.9481	15.96147647	11
141230	83 57	A	83167.13145709		.00050610	24218-5	13185-3 0	8
14123	72.8254		86.6452 0094210		98.9117	260.9436	15.87581332	26

41230	83 57	A	83167.13169080	.00060402	32279-5	13185-3 0	9
4123	72.8461		86.6010 0102689	80.0191	280.6879	15.89294472	26
41230	83 57	A	83167.19473801	-.03776676	22105-0	16429-1 0	10
4123	72.8468		86.4337 0079630	66.3725	295.8168	15.96122188	27
41230	83 57	A	83167.38232134	-.10037934	24657-0	16429-1 0	12
4123	72.8565		85.9797 0083256	67.2712	291.8645	15.96284417	30
41230	83 57	A	83167.44528903	-.08503820	21208-0	16429-1 0	13
4123	72.8481		85.7989 0076490	66.3191	294.3627	15.96221612	31
41230	83 57	A	83167.63312218	.00095876	56258-5	16845-3 0	14
4123	72.8420		85.3332 0083754	65.7270	293.3387	15.95495825	34
41230	83 57	A	83167.88426472	.00125322	82208-5	21991-3 0	15
4123	72.8417		84.7031 0083832	65.2754	295.6662	15.95479194	38
41230	83 57	A	83170.20408894	.00073482	43713-5	12794-3 0	20
4123	72.8404		78.8595 0083242	59.4285	301.4646	15.95750771	75
41230	83 57	A	83170.45486451	.00132006	10651-4	12794-3 0	21
4123	72.8420		78.2235 0025295	80.6422	286.6928	16.10764434	79
41230	83 57	A	83170.88843259	.00053944	00000-0	51470-4 0	22
4123	72.8421		77.1048 0024166	81.5611	278.5197	16.10881222	86
41230	83 57	A	83172.13033969	.00099785	00000-0	92673-4 0	24
4123	72.8435		73.9080 0023932	81.5720	278.5927	16.11157920	106
41230	83 57	A	83172.37875001	.00060428	00000-0	92673-4 0	25
4123	72.8489		73.2710 0069317	51.3405	304.0324	15.99335319	110

83-58 B, C

141290 83 58 B 83167.30237374 -.00001152 18019-4 99999-4 0 2
14129 8.6255 248.9485 7285947 178.1030 188.5434 2.30436037 0

141300 83 58 C 83168.59599770 .00000937 00000-0 99999-4 0 2
14130 8.6113 248.4516 7279403 179.1405 182.0012 2.30524894 3

~~141290 83 58 B 83220.68460445 -.00000071 00000-0 99999-4 0 37~~
~~4129 26.2112 247.4197 6038588 152.6895 139.9447 2.05879471 444~~

~~141290 83 58 B 83221.05500792 -.00000056 00000-0 99999-4 0 38~~
~~4129 26.2165 247.2670 6039561 192.8931 138.9724 2.05852039 446~~

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ECS

14128U	83 58	A	83167.30140874	.00000785	00000-0	99999-4 0	2
14128	8.6004	248.1217	7310644	179.1218	190.8891	2.26294395	0
14128U	83 58	A	83171.32795582	.00000071	00000-0	99999-4 0	13
14128	0.0713	292.9706	0049216	25.6651	40.9819	1.00700368	7
14128U	83 58	A	83172.32098651	.00000065	00000-0	99999-4 0	15
14128	0.0710	277.4067	0049029	40.6391	41.4490	1.00683063	8
14128U	83 58	A	83174.30704307	.00000037	00000-0	99999-4 0	16
14128	0.0626	293.0877	0049192	25.6052	40.9270	1.00699806	10
14128U	83 58	A	83175.29468298	.00000023	00000-0	99999-4 0	17
14128	0.0519	302.6494	0037689	7.4354	49.5693	1.00865964	11

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14133U	83 59	B	83172.58114615	.00001812	00000-0	24999-2 0	11
14133	22.7829	269.1511	727284e	359.8796	359.9718	2.24284677	7
14133U	83 59	B	83172.58114926	-.00000047	00000-0	24995-2 0	12
14133	0.6935	271.0451	0114756	337.8754	120.1221	1.00324544	7
14134U	83 59	C	83172.94293363	-.00000096	00000-0	00000 0 0	14
14134	0.7881	263.4098	0546909	0.7572	89.5384	1.03296675	47

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STS-7

4132U	83 59	A	83169.51358831	.00119745	00000-0	34999-3 0	2
4132	28.4673	272.8074	0006176	268.4346	346.6707	15.91218430	0
4132U	83 59	A	83169.72000737	.00119011	00000-0	34999-3 0	2
4132	28.4663	271.2102	0005208	284.5020	75.5017	15.91109159	3
4132U	83 59	A	83169.99067013	.00109370	00000-0	34999-3 0	3
4132	28.4666	269.1876	0011515	254.4717	218.4877	15.89386006	0
4132U	83 59	A	83170.47321480	.00109610	00000-0	34999-3 0	4
4132	28.4666	265.5859	0012378	261.2027	98.6745	15.89411096	8
4132U	83 59	A	83170.53600519	.00090863	00000-0	34999-3 0	5
4132	28.4506	265.1901	0011171	54.7689	305.1656	15.85699357	9
4132U	83 59	A	83170.68958275	.00101258	00000-0	34999-3 0	6
4132	28.4652	263.9790	0017900	250.4453	269.3672	15.87708979	11
4132U	83 59	A	83170.78735913	.00101525	00000-0	34999-3 0	7
4132	28.4599	263.2466	0020093	260.0369	99.7935	15.87689991	13
4132U	83 59	A	83170.57591125	.00067004	00000-0	23228-3 0	8
4132	28.4631	261.8500	0018535	256.7886	103.0230	15.87651268	16
4132U	83 59	A	83171.76457870	.00131877	00000-0	34999-3 0	12
4132	28.4628	255.9697	0002876	284.9335	274.3511	15.93067107	28

14132U	83 59	A	83172.23100014	.00091332	00000-0	24233-3 0	13
14132	28.4655	252.4751	0002814	290.5563	69.3978	15.93121527	35
14132U	83 59	A	83172.23101351	.00031299	00000-0	83171-4 0	14
4132	28.4645	252.4762	0003432	290.2636	69.7619	15.93098473	35
14132U	83 59	A	83172.51725462	.00131897	00000-0	34999-3 0	15
14132	28.4631	250.3234	0003142	295.7030	269.4238	15.93068547	39
14132U	83 59	A	83172.79475493	.00131941	00000-0	34999-3 0	16
14132	28.4609	248.2452	0005200	305.5521	54.0046	15.93059850	43
14132U	83 59	A	83172.98267864	.00131837	00000-0	34999-3 0	17
14132	28.4623	246.8342	0003461	307.8776	52.1221	15.93058114	46
14132U	83 59	A	83173.23323471	.00132097	00000-0	34999-3 0	18
14132	28.4650	244.9543	0003242	284.1064	75.9192	15.93056417	50
14132U	83 59	A	83173.48377931	.00131947	00000-0	34999-3 0	19
14132	28.4622	243.0737	0003971	290.6204	69.3202	15.93070437	54
14132U	83 59	A	83173.60150925	.00132696	00000-0	34999-3 0	20
14132	28.4624	242.1931	0003508	309.6526	6.7228	15.93179228	55
14132U	83 59	A	83173.87708275	.00134561	00000-0	34999-3 0	21
14132	28.4615	240.1191	0004240	314.5463	145.7492	15.93433896	71
14132U	83 59	A	83174.36053780	.00135125	00000-0	34999-3 0	23
14132	28.4608	236.4914	0003906	313.8421	46.1421	15.93514623	79
14132U	83 59	A	83175.04933608	.00136294	00000-0	34999-3 0	25
14132	28.4605	231.3261	0004434	331.7645	28.2415	15.93670180	99
14132U	83 59	A	83175.47084027	.00136644	00000-0	34999-3 0	26
14132	28.4602	227.9087	0004437	337.1398	250.2586	15.93718079	96
14132U	83 59	A	83175.54086111	.32849121	-13408-3	34999-3 0	27
14132	28.4614	227.6372	0218669	134.4961	171.0029	16.45275149	97

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14137U 83 60 A 83171.88286803 -.00001321 90135-5 00000 0.0 2
~~14137 96.4507 245.7745 0075522 140.2544 220.4033 16.23707632 1~~

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14147U	83	61	A	83174.19183635	.00000010	00000-0	00000 0 0	3
14147	82.5202	296.7620	0024571	296.3368	63.5371	14.73252967		2
14147U	83	61	A	83178.26698606	.00000908	00000-0	13680-3 0	7
14147	82.5226	293.0055	0024351	282.0125	77.8389	14.73240757		77
14147U	8J	61	A	8J181.25542248	.00000570	00000-0	86193-4 0	10
14147	82.5226	290.2523	0024330	272.1712	87.6745	14.73244274		107

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Soyuz T-9

4152U	83 62	A	83178.37571598	-	.00008360	57791-4	00000	0 0	0
4152	51.6052		62.7995	0021864	58.9967	261.3528	16.22138969		0
4152U	83 62	A	83178.56049040	-	.00008325	57372-4	00000	0 0	2
4152	51.6004		61.7841	0022919	95.7560	264.6476	16.22673966		3
4152U	83 62	A	83178.68364998	-	.00000564	00000-0	00000	0 0	3
4152	51.6119		61.2353	0036303	190.3749	163.7193	15.98442752		5
4152U	83 62	A	83178.74719757	-	.00000536	00000-0	00000	0 0	4
4152	51.6044		60.8553	0032855	183.3841	176.6172	15.97164236		6
4152U	83 62	A	83178.74719757	-	.00000536	00000-0	00000	0 0	5
4152	51.6044		60.8553	0032855	183.3841	176.6172	15.97164236		6
4152U	83 62	A	83178.74719757	-	.00000536	00000-0	00000	0 0	6
4152	51.6044		60.8553	0032855	183.3841	176.6172	15.97164236		6
4152U	83 62	A	83178.93491361	-	.00000555	00000-0	00000	0 0	7
4152	51.6130		59.8931	0034531	191.0687	169.5738	15.98118357		9
4152U	83 62	A	83179.18492695	-	.00000558	00000-0	00000	0 0	8
4152	51.6097		58.5639	0034634	191.4578	168.5857	15.98154992		13
4152U	83 62	A	83179.30998067	-	.00000554	00000-0	00000	0 0	9
4152	51.6111		57.8985	0034291	191.7739	168.2540	15.98239048		15

141520	83	62	A	83179.37250610	-.00000460	00000-0	00000	0	0	10
14152	51.6442	57.5561	0035127	178.6096	181.7307	15.89232941				16
141520	83	62	A	83180.32087043	-.00000355	00000-0	00000	0	0	11
14152	51.6084	52.6444	0009234	296.5440	€3.4425	15.79891653				31
141520	83	62	A	83181.14315633	-.00000354	00000-0	00000	0	0	12
14152	51.6084	48.3802	0009234	299.7236	60.4455	15.79972486				44

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HILAT

14154U	83	63	A	83178.97679776	.00000250	00000-0	99999-4	0	3
14154	82.0214	215.2419	0045125	269.2291	50.3718	14.26367545			4
14154U	83	63	A	83180.23945719	.00000250	00000-0	99999-4	0	5
14154	82.0290	214.0983	0046073	266.9643	92.6174	14.26360202			22

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Kosmos 1471

14156U	83 64	A	83179.74089082	.00004032	27947-4	00000	0 0	1
14156	67.1419	127.3206	0129934	70.9545	290.6830	16.0557	1896	2
14156U	8J 64	A	83179.80266438	.00004012	27598-4	00000	0 0	2
14156	67.1459	127.1137	0130348	70.4707	291.0534	16.0559	2959	3
14156U	8J 64	A	83180.54995298	.00345062	27428-4	20593-3	0 0	3
14156	67.1530	124.6006	0128736	78.0959	282.2096	16.0281	6361	15
14156U	83 64	A	83183.29409121	.00367916	28046-4	20449-3	0 0	6
14156	67.1461	115.3833	0117800	74.2492	287.1687	16.0481	6516	59
14156U	83 64	A	83183.29409121	.00367916	28046-4	20449-3	0 0	5
14156	67.1461	115.3833	0117800	74.2492	287.1687	16.0481	6516	5
14156U	83 64	A	83184.16644983	.00538919	28359-4	20449-3	0 0	8
14156	67.1421	112.4578	0080172	92.4630	271.1059	16.1602	7558	73
14156U	83 64	A	83184.16644983	.00538919	28359-4	20449-3	0 0	9
14156	67.1421	112.4578	0080172	92.4630	271.1059	16.1602	7558	73
14156U	83 64	A	83185.21779626	.00591796	28484-4	20359-3	0 0	1
14156	67.1461	108.8502	0078900	88.1537	272.9699	16.1727	1146	9
14156U	83 64	A	83185.89788827	.00569277	28537-4	18674-3	0 0	1
14156	67.1435	106.5192	0077071	87.4288	273.5736	16.1807	7972	10

14156U	83 64	A	83186.20691900	.0063958E	28234-4	20430-3 0	13
14156	67.1426		105.4596 0076072	86.9242	274.1382	16.18511723	106
14156U	83 64	A	83187.19525903	.00691151	28668-4	20326-3 0	13
14156	67.1450		102.0687 0073012	86.2276	274.8237	16.19863075	122
14156U	83 64	A	83188.12104578	.00439675	27875-4	20326-3 0	14
14156	67.1449		98.8988 0133899	68.9923	281.0295	16.03934759	137
14156U	83 64	A	83188.24775297	.0019932E	27594-4	92714-4 0	15
14156	67.1443		98.4759 0133952	68.7783	292.7389	16.03974097	139
14156U	83 64	A	83188.62187841	.00538991	27900-4	24075-3 0	16
14156	67.1442		97.2162 0133069	67.9399	293.8460	16.04436767	145
14156U	83 64	A	83189.18277069	.03392465	27916-4	14695-2 0	17
14156	67.1437		95.3312 0130855	67.9610	293.4772	16.05128736	154
14156U	83 64	A	83189.24508297	.0221105E	27955-4	93070-3 0	18
14156	67.1425		95.1212 0130266	67.3962	294.1266	16.05544663	155
14156U	83 64	A	83189.43191128	.02178035	27422-4	93070-3 0	19
14156	67.1477		94.4935 0130529	67.0152	293.8012	16.05339475	158
14156U	83 64	A	83189.80581112	.00474882	27635-4	20821-3 0	20
14156	67.1403		93.2328 0127975	67.9532	293.5210	16.05651245	164
14156U	83 64	A	83191.36222212	.0059448E	27949-4	23247-3 0	22
14156	67.1452		87.9866 0124959	65.7359	295.5608	16.07392199	189
14156U	83 64	A	83192.23309075	.00577054	27835-4	21849-3 0	23
14156	67.1449		85.0484 0121608	65.2552	296.0391	16.08379911	203
14156U	83 64	A	83192.79266079	.005819E1	28393-4	21849-3 0	24
14156	67.1499		83.1601 0119164	64.3799	296.8571	16.08946147	212

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Kosmos 1471

forts. 7

14156U	83 64	A	83193.22775520	.00540761	28086-4	19561-3 0	25
14156	67.1437		81.6810 0118355	64.5532	296.8516	16.09476627	219
14156U	83 64	A	83194.22169680	.00671395	28140-4	23187-3 0	26
14156	67.1417		78.3187 0114072	63.3095	298.2018	16.10759707	235
14156U	83 64	A	83195.33881622	.00590332	28614-4	18616-3 0	27
14156	67.1416		74.5215 0110659	62.3992	298.9637	16.12318514	253
14156U	83 64	A	83196.02099184	.00378228	27676-4	18616-3 0	28
14156	67.1415		72.2025 0124525	76.2724	282.2980	16.05143955	264
14156U	83 64	A	83196.20842352	.00389773	27729-4	18968-3 0	29
14156	67.1412		71.5722 0124343	75.9415	285.5551	16.05297103	267
14156U	83 64	A	83196.51992460	.00520517	27746-4	25241-3 0	30
14156	67.1398		70.5213 0122741	75.7817	285.7536	16.05618991	272
14156U	83 64	A	83197.01817255	.00201191	27971-4	96014-4 0	31
14156	67.1421		68.8444 0122021	75.4619	285.8944	16.06058155	280
14156U	83 64	A	83197.26728636	.00469636	27919-4	21405-3 0	32
14156	67.1395		68.0061 0121469	74.8226	286.7077	16.06305109	284
14156U	83 64	A	83198.13877561	.00522152	28309-4	23417-3 0	33
14156	67.1409		65.0656 0118740	74.3201	287.2716	16.07220193	298
14156U	83 64	A	83199.07191626	.00463296	27529-4	19656-3 0	34
14156	67.1450		61.9134 0116216	73.5712	287.9875	16.08294065	313
14156U	83 64	A	83199.19626078	.00447745	27805-4	18929-3 0	35
14156	67.1417		61.4938 0115873	73.3729	288.0099	16.08400932	315

14156U	83 64	A	83200.00447912	.00467442	28574-4	18929-3 0	37
14156	67.1368		58.7602 0113479	73.0444	288.6817	16.09303471	328
14156U	83 64	A	83200.37724568	.00782007	28219-4	30627-3 0	37
14156	67.1378		57.5605 0112162	72.2764	289.0668	16.09862083	334
14156U	83 64	A	83201.24676311	.00627006	28003-4	23683-3 0	39
14156	67.1381		54.5523 0108648	71.6772	289.5977	16.10916381	348
14156U	83 64	A	83202.48792213	.00633477	28570-4	22394-3 0	40
14156	67.1407		50.3393 0103923	70.4772	290.7743	16.12482730	368
14156U	83 64	A	83203.35600261	.00652076	28528-4	21640-3 0	41
14156	67.1400		47.3845 0101112	69.3435	291.9684	16.13642395	382
14156U	83 64	A	83205.21381139	.00959070	28863-4	27634-3 0	45
14156	67.1396		41.0401 0091554	67.7014	293.7722	16.16790866	412
14156U	83 64	A	83205.89394891	.01081085	29020-4	28222-3 0	46
14156	67.1389		38.7116 0087232	67.1456	294.3144	16.18351010	423
14156U	83 64	A	83206.14104475	.01054429	28617-4	27255-3 0	47
14156	67.1373		37.8644 0085983	66.7107	294.2821	16.18850905	427
14156U	83 64	A	83206.94385051	.00616964	27493-4	23585-3 0	48
14156	67.1361		35.1232 0163068	76.3428	272.0740	15.99771468	440
14156U	83 64	A	83207.13374254	.00431334	27384-4	18478-3 0	49
14156	67.1356		34.4839 0161948	76.0378	285.9175	16.00039654	443
14156U	83 64	A	83207.19624376	.00432664	27667-4	18478-3 0	50
14156	67.1358		34.2794 0161808	76.1496	285.7686	16.00098528	444
14156U	83 64	A	83207.88369306	.00677383	27569-4	25072-3 0	51
14156	67.1344		31.9762 0158561	75.3947	286.9100	16.01022324	455
14156U	83 64	A	83207.94608708	.00607462	27842-4	22419-3 0	52
14156	67.1346		31.7676 0158454	75.1843	286.6733	16.01078624	456

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forts. 2

14156U	83	64	A	83208.19594018	.00609358	27217-4	22329-3	0	53
14156	67.1343	30.9363	0157367	75.0067	286.8361	16.01373348	460		
14156U	83	64	A	83208.88279177	.00614792	27695-4	21941-3	0	54
14156	67.1347	28.6326	0154477	74.0843	287.7533	16.02229378	471		

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Galaxy 1

14158U	83	65	A	83180.21873158	.00000957	00000-0	99999-4	0	2
14158	22.9822	81.3530	7331257	177.3389	162.9462	2.24161175			2
14158U	83	65	A	83182.43704093	.00001290	19530-4	99999-4	0	3
14158	23.3363	79.8103	7337266	179.5988	182.5305	2.24099100			7
14158U	83	65	A	83183.82199073	.0000064	00000-0	99999-4	0	5
14158	0.0121	258.7500	0154770	10.7600	171.7300	1.00552941			9

83-66A

Gorizont 7

14160U	83 66	A	83182.78530513	-	.00000020	00000-0	00000	0 0	1
14160	1.3487	284.5445	0009288	231.6598	129.0921	0.97417523			2
14161U	83 66	B	83183.57839481	-	.04087366	59706-4	25731-3	0	7
14161	51.6104	278.0935	0009079	234.5099	125.4581	16.40989351			26
14160U	83 66	A	83188.95126952	-	.00000078	00000-0	00000	0 0	2
14160	1.4288	285.6301	0086423	77.5761	284.6945	0.97379383			8
14160U	83 66	A	83191.00433666	-	.00000101	00000-0	00000	0 0	3
14160	0.5161	316.7919	0307571	48.6069	284.7772	0.97383641			10
14160U	83 66	A	83193.63611111	-	.00000083	00000-0	00000	0 0	4
14160	1.3000	145.0000	0001010	0.0012	359.9988	1.00278008			13
14160U	83 66	A	83197.02262425	-	.00000091	00000-0	00000	0 0	8
14160	1.3532	286.2517	0009382	314.5233	46.1121	1.00272697			17
14160U	83 66	A	83220.95372056	-	.00000087	00000-0	00000	0 0	15
14160	1.3118	285.7702	0010135	311.3183	48.9806	1.00275905			41

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Prognoz 9

14164U	83	67	B	83184.53886221	.00345724	44439-4	84535-3	0	7
14164	64.9272	132.1199	0172119	€5.8563	296.0094	15.75387553			32
4165U	83	67	C	83185.93116858	.00664706	10837-4	89984-3	0	16
4165	65.0092	127.1980	0194230	€8.5676	293.5667	15.79195282			54

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Kosmos 1472

14169U	83 68	A	83186.44227215	.00000822	-55362-5	00000 0 0	1
14169	82.3421		66.6497 0040130	90.1291	270.5806	16.23593148	1
14169U	83 68	A	83186.56551842	.00000826	-56695-5	00000 0 0	2
14169	82.3442		66.5033 0040301	89.8100	270.7870	16.23632803	3
14169U	83 68	A	83186.99694840	.00000805	-56195-5	00000 0 0	3
14169	82.3414		66.0183 0153387	73.2358	270.9307	15.95022470	10
14169U	83 68	A	83186.99694840	.00000805	-56195-5	00000 0 0	4
14169	82.3414		66.0183 0153387	73.2358	270.9307	15.95022470	10
14169U	83 68	A	83186.99694840	.00000805	-56195-5	00000 0 0	5
14169	82.3414		66.0183 0153387	73.2358	270.9307	15.95022470	10
14169U	83 68	A	83187.18823349	.00000033	00000-0	00000 0 0	6
14169	82.3493		65.8004 0018306	101.3044	246.6747	15.73692115	13
14169U	83 68	A	83187.57193835	.00021753	00000-0	15308-3 0	7
14169	82.3501		65.3815 0018149	101.1607	259.1927	15.73710992	20
14169U	83 68	A	83188.27137784	.00002757	00000-0	19553-4 0	8
14169	82.3466		64.6114 0018181	98.8363	261.4360	15.73705147	31

141690	83 68	A	83189.22518609	.00012972	00000-0	91261-4 0	9
14169	82.3484		63.5625 0018167	96.3437	263.9902	15.73720480	46
141690	83 68	A	83191.32349498	.00063368	00000-0	44383-3 0	12
14169	82.3480		61.2552.0018587	87.3344	272.7831	15.73748914	43
141690	83 68	A	83194.24848910	.00002748	00000-0	19202-4 0	15
14169	82.3481		58.0411 0017804	81.1051	279.2281	15.73726192	125
141690	83 68	A	83195.20227237	.00002103	00000-0	14632-4 0	16
14169	82.3472		56.9909 0018157	74.9512	285.3913	15.73731892	146
141690	83 68	A	83196.21963584	.0000596E	00000-0	41870-4 0	17
14169	82.3462		55.8717 0018140	72.4803	287.8765	15.73746920	156
141690	83 68	A	83197.23698395	.00004516	00000-0	31642-4 0	18
14169	82.3447		54.7521 0018029	69.6419	290.6534	15.73750129	172
141690	83 68	A	83197.74566532	.00004514	00000-0	31642-4 0	19
14169	82.3468		54.1929 0018007	66.3911	293.9119	15.73738481	180
141690	83 68	A	83198.19076320	.00032027	00000-0	22479-3 0	20
14169	82.3489		53.7051 0017750	66.6492	294.7141	15.73782304	187
141690	83 68	A	83198.57225159	.00032017	00000-0	22479-3 0	21
14169	82.3485		53.2853 0017692	62.9725	297.2736	15.73774192	193
141690	83 68	A	83198.69942943	.0003196E	00000-0	22479-3 0	22
14169	82.3466		53.1449 0018311	63.7872	296.4947	15.73733988	195

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Kosmos 1481

~~14182U 83 70 A 83190.83975005 .00000182 00000-0 99999-4 0 6~~
~~14182 62.6595 166.0940 7330200 318.2187 4.7533 2.03512319 3~~

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Kosmos 1473-1480

1	14171U		83187.28388800	-.20000006		0	15
2	14171	74.0389	299.3890 0043500	87.1176	273.4633	12.49006117	10
1	14172U	83 69 B	83187.24285398	-.00000006		0	18
2	14172	73.9569	299.0832 0048935	111.5811	247.8396	12.56467306	38
1	14173U		83187.48131788	-.00000007		0	13
2	14173	74.0280	298.8139 0021332	92.7927	261.5249	12.54343343	69
1	14174U		83187.48131788	-.00000007		0	14
2	14174	74.0292	298.8600 0010607	90.5773	260.5643	12.52267511	57
1	14175U		83187.48131988	-.00000006		0	16
2	14175	74.0286	298.8264 0002543	342.7516	5.4175	12.50211573	63
1	14176U		83187.48131988	-.00000006		0	17
2	14176	74.0258	298.8591 0012448	257.9213	86.9054	12.48003721	63
1	14177U		83187.40183099	-.00000006		0	21
2	14177	74.0266	298.9647 0023820	277.3082	67.9575	12.45852172	57
1	14178U		83187.48131988	-.00000006		0	19
2	14178	74.0278	298.8299 0036482	266.5811	71.4470	12.43492592	60

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Kosmos 1482

Ned: 27 juli 83

14185U	83 71	A	83194.52296213	-	.00000312	00000-0	00000 0 0	1
14185	69.9671		117.8737 0107931		60.8550	300.3398	15.97528430	1
14185U	83 71	A	83194.64818709	-	.00000316	00000-0	00000 0 0	2
14185	69.9661		117.5057 0108633		61.1687	259.5864	15.97448309	3
14185U	83 71	A	83194.89866952	-	.00000313	00000-0	00000 0 0	3
14135	69.9632		116.7685 0107829		60.7725	300.4280	15.97467125	8
14185U	83 71	A	83195.21175947	-	.00000109	00000-0	00000 0 0	4
14185	70.3186		115.6250 0070912		65.2661	275.9936	15.62131188	13
14185U	83 71	A	83195.34331521	-	.00000106	00000-0	00000 0 0	5
14185	69.9734		115.5244 0044473		215.5838	146.4585	15.62110691	15
14185U	83 71	A	83196.17537918	.	.00009173	00000-0	99999-4 0	6
14185	69.9752		113.2095 0044959		214.4283	145.4001	15.62111589	28
14185U	83 71	A	83196.81572930	.	.00009137	00000-0	99999-4 0	7
14185	69.9797		111.4411 0044653		213.1214	146.5985	15.62031450	38
14185U	83 71	A	83197.26397381	.	.00009166	00000-0	99999-4 0	8
14185	69.9748		110.1797 0044839		212.4686	147.3099	15.62115894	45
14185U	83 71	A	83198.16047196	.	.02080528	00000-0	17325-1 0	9
14185	69.9772		107.6848 0044583		211.0169	148.7375	15.62124188	59

141850	83 71	A	83198.41656126	.01986919	00000-0	17325-1 0	10
14185	69.9735		106.9784	0041358	211.2750	148.1350	15.62118590 63
141850	83 71	A	83198.67271614	.02016336	00000-0	17325-1 0	11
14185	69.9713		106.2590	0044067	210.8535	148.6629	15.62306096 67
141850	83 71	A	83198.86482095	.02006561	00000-0	17325-1 0	12
14185	69.9746		105.7230	0043440	212.0742	147.3941	15.62234113 70
141850	83 71	A	83199.05694238	.02009876	00000-0	17325-1 0	13
14185	69.9789		105.1897	0043467	210.6952	148.8539	15.62266610 73
141850	83 71	A	83199.12102331	.06740056	00000-0	73744-2 0	14
14185	69.9728		105.0143	0044380	206.5761	150.2474	15.62107859 74
141850	83 71	A	83199.18506524	.00021444	00000-0	23339-3 0	15
14185	69.9772		104.8353	0044850	209.6583	150.2093	15.62111503 75
141850	83 71	A	83201.49037812	.60383407	00000-0	39733-2 0	16
14185	69.9750		98.4161	0043806	204.4781	155.4334	15.62161888 111
141850	83 71	A	83201.49037812	.60383407	00000-0	39733-2 0	19
14185	69.9750		98.4161	0043806	204.4781	155.4334	15.62161888 111
141850	83 71	A	83201.61844067	.05819468	00000-0	35719-1 0	20
14185	69.9736		98.0621	0043742	204.2810	155.5569	15.62178965 113
141850	83 71	A	83201.87450593	-.00011663	00000-0	-12559-3 0	21
14185	69.9776		97.3537	0044348	206.8184	152.5327	15.62051681 117
141850	83 71	A	83202.06669940	.00093614	00000-0	99999-3 0	22
14185	69.9748		96.8181	0045922	206.7157	154.1532	15.62129968 120
141850	83 71	A	83202.25880471	.60054083	00000-0	58262-3 0	23
14185	69.9757		96.2839	0044957	204.6149	155.2407	15.62124983 123
141850	83 71	A	83202.89914658	.00237067	00000-0	24991-2 0	24
14185	69.9710		94.4938	0044152	204.5315	155.1428	15.62130736 133

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4185U	83 71	A	83203.09128636	.00199068	00000-0	21074-2 0	25
4185	69.9770		63.9679 0044303	202.5083	157.3378	15.62126345	136
4185U	83 71	A	83203.34744835	.00002172	00000-0	24672-4 0	26
4185	69.9751		93.2555 0044211	202.4781	157.4501	15.62073778	140
4185U	83 71	A	83203.79570539	.00182001	00000-0	19369-2 0	27
4185	69.9756		92.0040 0043981	203.4037	156.4877	15.62060996	147
4185U	83 71	A	83205.20450865	.00256693	00000-0	27275-2 0	30
4185	69.9728		88.0869 0043567	199.3029	169.0362	15.62096613	169
4185U	83 71	A	83205.71682817	.00016277	00000-0	19999-3 0	31
4185	69.9755		66.6633 0043908	197.7581	162.2111	15.62077624	177
4185U	83 71	A	83206.10104631	.00000957	00000-0	11542-4 0	32
4185	69.9753		85.5937 0043802	197.3068	162.1289	15.62063243	183
4185U	83 71	A	83207.18968439	.00000815	00000-0	99999-5 0	33
4185	69.9748		82.5650 0043982	198.0391	163.9231	15.62060802	200
4185U	83 71	A	83207.63794906	.00017480	00000-0	19156-3 0	34
4185	69.9760		81.3169 0043777	195.1071	164.8750	15.62069564	207

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NAVSTAR 8

1	14189U	83	72	A	83195.87089991	0.00000027		10000-3 0	16
2	14189	63.2212	167.3179	5953997	158.7292	243.9579	3.87741589		18
4189U	83	72	A	83196.12836916	.00000026	00000-0	99999-4 0		3
4189	62.9998	167.1875	5953385	158.7047	243.3509	3.87729782			2
4189U	83	72	A	83196.64426649	.00000026	00000-0	99999-4 0		4
4189	62.9637	166.9779	5953048	158.7422	243.5025	3.87750476			4
4189U	83	72	A	83196.89143609	.00000020	00000-0	99999-4 0		6
4189	62.8357	166.9549	0158188	174.8146	185.3317	1.98406136			5
4189U	83	72	A	83197.39545173	.00000020	00000-0	99999-4 0		8
4189	62.8333	166.9390	0158067	174.8037	185.3334	1.98400165			6

83-73A

Molviya 1 BK

141990	83 73	A	83201.17951587	.00000277	00000-0	99999-4 0	3
14199	62.9421	198.0125	7383496	280.2811	11.1014	2.05721918	2
141990	83 73	A	83202.15167191	.00010806	00000-0	-56134-1 0	5
14199	62.9391	197.9293	7384016	280.2514	11.0893	2.05710291	4

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Kosmos 1483

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142040	83 74	A	83201.32592280	.00000810	-54425-5	00000 0 0	0
14204	82.3841		83.8285 0041655	46.1707	314.3010	16.17475331	0
142040	83 74	A	83201.45010249	.00000086	00000-0	00000 0 0	1
14204	82.3223		83.8116 0047284	88.5391	272.0929	16.10484848	2
142040	83 74	A	83201.45010249	.00000086	00000-0	00000 0 0	2
14204	82.3223		83.8116 0047284	88.5391	272.0929	16.10484848	2
142040	83 74	A	83202.31998795	.00000053	00000-0	00000 0 0	3
14204	82.3222		82.7980 0006791	30.3580	327.4796	16.00179020	16
142040	83 74	A	83202.44546349	.00000056	00000-0	00000 0 0	4
14204	82.3228		82.6536 0011211	314.7080	46.6055	16.03066925	18
142040	83 74	A	83203.06947096	.00106230	39725-5	17324-3 0	5
14204	82.3222		81.9348 0010718	309.0395	51.0501	16.03133294	28
142040	83 74	A	83203.38155614	.00106566	40398-5	17324-3 0	6
14204	82.3187		81.5750 0011154	309.3912	50.6080	16.03178396	33
142040	83 74	A	83205.25434738	.00040130	00000-0	70175-4 0	9
14204	82.3246		79.4187 0013257	329.2216	30.7522	16.01766656	63
142040	83 74	A	83206.06645978	.00057816	00000-0	99999-4 0	10
14204	82.3223		78.4839 0013056	323.2302	36.8064	16.01908262	76
142040	83 74	A	83207.19083833	.00045164	00000-0	77855-4 0	11
14204	82.3202		77.1906 0013124	318.8230	41.1274	16.02003883	94

14204U	83 74	A	83208.25271265	.00036541	00000-0	62807-4 0	12
14204	82.3177		75.9686	0013145	313.9198	46.0386 16.02074109	111
14204U	83 74	A	83209.18962612	.00036451	00000-0	62390-4 0	13
14204	82.3171		74.8904	0013133	308.7311	51.3035 16.02147781	126
14204U	83 74	A	83209.93911312	.00040231	00000-0	68584-4 0	14
14204	82.3192		74.0286	0013018	305.6098	54.5096 16.02210007	138
14204U	83 74	A	83211.31310116	.00042071	00000-0	71240-4 0	16
14204	82.3179		72.4466	0012772	298.6414	61.8735 16.02325171	160
14204U	83 74	A	83210.31384481	.00040487	00000-0	68894-4 0	15
14204	82.3188		73.5976	0013014	302.9585	57.0469 16.02239551	144
14204U	83 74	A	83211.31310116	.00042071	00000-0	71240-4 0	17
14204	82.3179		72.4466	0012772	298.6414	61.8735 16.02325171	160
14204U	83 74	A	83212.24985214	.00046758	00000-0	78694-4 0	18
14204	82.3179		71.3687	0012686	294.5204	69.5129 16.02417687	175
14204U	83 74	A	83213.31143175	.00043538	00000-0	73617-4 0	19
14204	82.3197		70.1486	0012535	290.4184	69.5425 16.02506023	192
14204U	83 74	A	83214.24808464	.00036623	00000-0	66178-4 0	20
14204	82.3205		69.0702	0012424	285.4475	74.5123 16.02574965	207
14204U	83 74	A	83215.18469393	.00043386	00000-0	72052-4 0	21
14204	82.3212		67.9915	0012446	280.6691	79.3147 16.02659213	222
14204U	83 74	A	83215.18469393	.00043386	00000-0	72052-4 0	22
14204	82.3212		67.9915	0012446	280.6691	79.3147 16.02659213	222

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Kosmos 1484

142070	83 75	A	83205.28985475	-	.00000027	00000-0	00000 0 0	1
14207	98.0247		265.5259 0032288		344.3574	15.6003	14.78290786	0
142070	83 75	A	83205.35742321	-	.00000028	00000-0	00000 0 0	2
14207	98.0162		265.5915 0046701		15.6025	346.6434	14.80779019	1
142070	83 75	A	83205.42499942	-	.00000028	00000-0	00000 0 0	3
14207	98.0129		265.6538 0048924		10.7422	349.4807	14.80762811	2
142070	83 75	A	83205.62771999	-	.00000028	00000-0	00000 0 0	4
14207	98.0103		265.8558 0048763		9.8885	350.3275	14.80757750	5
142070	83 75	A	83206.70889778	-	.00000028	00000-0	00000 0 0	6
14207	98.0110		266.9370 0048899		6.9396	353.2312	14.80725999	21
142070	83 75	A	83206.77647607	-	.00000028	00000-0	00000 0 0	6
14207	98.0093		267.0086 0049966		7.3259	352.6506	14.80771673	22
142070	83 75	A	83206.77647919	-	.00000028	00000-0	00000 0 0	7
14207	98.0133		267.0014 0049100		6.7875	353.4241	14.80754064	22
142070	83 75	A	83207.24948595	.	.00000556	00000-0	74382-4 0	8
14207	98.0124		267.4757 0048394		4.7595	355.4064	14.80760086	29

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Kosmos 1485

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142100	83 76	A	83207.55436919	-	.00001624	11.148-4	00000	0	0	1
14210	72.8729	128.3917	0129715	84.3378	277.2625	15.97066381				1
142100	83 76	A	83207.61701681	-	.00001673	11586-4	00000	0	0	3
14210	72.8475	128.2333	0128980	85.7658	277.8231	15.96890510				2
142100	83 76	A	83207.86760915	-	.00001634	11211-4	00000	0	0	4
14210	72.8523	127.6018	0128773	83.1393	278.4557	15.96898793				6
142100	83 76	A	83212.22210721	-	.00006660	00000-0	99999-4	0	0	14
14210	72.8520	117.1804	0043215	202.6603	157.2475	15.60718645				74
142100	83 76	A	83208.24347699	-	.00000062	00000-0	00000	0	0	5
14210	72.8606	126.6747	0038678	213.6228	120.7854	15.60754265				12
142100	83 76	A	83208.44032335	-	.00000062	00000-0	00000	0	0	6
14210	72.8522	126.2163	0043115	211.5598	148.3267	15.60692846				15
142100	83 76	A	83209.20950990	-	.00022876	00000-0	26298-3	0	0	7
14210	72.8538	124.3800	0043430	209.5634	150.3345	15.60738128				27
142100	83 76	A	83210.36328271	-	.00022866	00000-0	26298-3	0	0	8
14210	72.8554	121.6147	0042894	207.6396	152.1852	15.60745293				45
142100	83 76	A	83211.26066020	-	.00001276	00000-0	-13981-4	0	0	9
14210	72.8530	119.4774	0043149	204.3690	155.3484	15.60712011				59

14210U	83 76	A	83211.45299501	.00004902	00000-0	56931-4 0	11
14210	72.8526	119.0175	0043095	204.1276	1E5.7944	15.60716629	62
14210U	83 76	A	83214.27338518	.000007E6	00000-0	97176-5 0	14
14210	72.8514	112.2765	0043078	1E7.8649	1E2.0925	15.60710958	106
14210U	83 76	A	83215.23488367	.00014878	00000-0	17184-3 0	15
14210	72.8512	109.9773	0043271	195.7466	1E4.2367	15.60722757	121
14210U	83 76	A	83216.19638308	.00035772	00000-0	41034-3 0	16
14210	72.8519	107.6808	0042889	193.6748	1E6.8465	15.60736196	136
14210U	83 76	A	83217.15784030	.00001176	00000-0	14261-4 0	17
14210	72.8524	105.3836	0042804	191.2036	1E8.6173	15.60715558	151
14210U	83 76	A	83219.27317805	.00000509	00000-0	655E4-5 0	19
14210	72.8568	100.3114	0042998	1E5.7480	174.3989	15.60703635	184
14210U	83 76	A	83220.34285597	.00022537	00000-0	25950-3 0	20
14210	72.8528	97.7224	0042660	184.4772	175.6247	15.60740351	201
14210U	83 76	A	83221.00384777	.00022532	00000-0	25950-3 0	22
14210	72.8540	96.1904	0042458	183.2467	176.8448	15.60746893	211
14210U	83 76	A	83221.06792563	.00022539	00000-0	25950-3 0	21
14210	72.8525	96.0370	0042678	183.0980	176.9027	15.60743028	212

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Telstar 3A

Lpp = 28 Juli 83

4234U	83	77	A	83209.74328198	-	.00000756	16857-4	99999-4	0	1
4234				23.0010	108.4119	7395918	178.8458	11511859	2.16960568	0
4234U	83	77	A	83213.28240312	-	.00000256	00000-0	99999-4	0	2
4234				0.1598	245.2985	0082748	37.7230	6210700	1.00276222	5
4234U	83	77	A	83216.31284214	-	.00000256	00000-0	99999-4	0	4
4234				0.1613	244.0560	0082613	38.9348	76.0689	1.00273776	8

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Kosmos 1486

Lpp: 3 aus 83

14240U	83 79	A	83215.58667627	-	.00000012	00000-0	00000 0 0	1
14240	74.0578		149.7315	0016605	351.0543	9.0308	14.29530640	2
14240U	83 79	A	83215.72663819	-	.00000012	00000-0	00000 0 0	2
14240	74.0596		149.4772	0015764	350.4848	9.5305	14.29347396	4
14240U	83 79	A	83216.49653984	-	.00020526	00000-0	80352-2 0	3
14240	74.0591		148.0795	0014978	347.1639	12.8837	14.29338165	14
14240U	83 79	A	83216.70651595	-	.00002109	00000-0	83644-3 0	4
14240	74.0594		147.6972	0014736	347.0426	13.0341	14.29341637	17
14240U	83 79	A	83216.84649922	-	.00002106	00000-0	83644-3 0	5
14240	74.0558		147.4395	0014761	348.4251	11.6563	14.29272059	19

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14245U	83 80	A	83217.50562647	.00000085	00000-0	00000 0 0	3
14245	82.3164		119.6446 0048169	93.2573	267.3771	16.10933082	1
14245U	83 80	A	83217.56774580	.00000085	00000-0	00000 0 0	4
14245	82.3164		119.5716 0048162	92.9924	267.6878	16.10935528	2
14245U	83 80	A	83217.69198237	.00000088	00000-0	00000 0 0	5
14245	82.3130		119.4272 0047996	93.1768	267.4955	16.10901524	4
14245U	83 80	A	83218.00257251	.01000017	-13827-5	84076-3 0	7
14245	82.3043		119.0634 0047679	92.3032	268.3999	16.11034576	9
14245U	83 80	A	83218.43735320	.00512866	12400-3	84076-3 0	9
14245	82.3163		118.5594 0011035	312.2786	43.3800	16.03131634	16
14245U	83 80	A	83218.75018194	.00512909	12893-3	84076-3 0	10
14245	82.3106		118.1984 0011634	315.4889	44.2858	16.03118533	21
14245U	83 80	A	83219.12471376	.00091757	28656-5	14947-3 0	11
14245	82.3152		117.7680 0010343	313.3321	46.5009	16.03157224	27
14245U	83 80	A	83219.24558777	.00051949	00000-0	83919-4 0	12
14245	82.3132		117.6226 0010598	312.0350	47.9890	16.03149446	29
14245U	83 80	A	83220.37312762	.00056946	00000-0	91359-4 0	13
14245	82.3144		116.3281 0010543	306.2683	53.8357	16.03253148	47

14245U	83 80	A	83221.30931872	.00063305	95902-6	10161-3 0	14
14245	82.3125	115.2481	0010496	301.7600	58.3027	16.03376008	62
14245U	83 80	A	83222.12062767	.00106720	40121-5	17062-3 0	15
14245	82.3130	114.3122	0010555	298.8427	62.1040	16.03471660	76
14245U	83 80	A	83222.18304742	.00063172	97221-6	10095-3 0	16
14245	82.3113	114.2401	0010333	295.9254	64.0838	16.03455361	77
14245U	83 80	A	83223.36874227	.00009637	00000-0	15270-4 0	17
14245	82.3110	112.8709	0010741	291.7145	68.1408	16.03550487	96
14245U	83 80	A	83224.18002922	.00005685	00000-0	15270-4 0	18
14245	82.3118	111.9343	0010864	289.6111	70.5275	16.03607021	109
14245U	83 80	A	83225.24078958	.00060272	00000-0	93838-4 0	19
14245	82.3099	110.7899	0010788	282.2459	78.7539	16.03741405	126
14245U	83 80	A	83226.11431608	.00057662	00000-0	93838-4 0	20
14245	82.3127	109.7033	0007279	266.0336	93.4187	16.02891646	140
14245U	83 80	A	83226.17684968	.00033691	00000-0	55657-4 0	21
14245	82.3073	109.6306	0007157	261.9169	99.0356	16.02884192	141
14245U	83 80	A	83227.11328124	.00067328	00000-0	93659-4 0	22
14245	82.3121	108.5517	0006911	261.7566	98.3883	16.03007396	156
14245U	83 80	A	83227.23811469	.00010706	00000-0	17588-4 0	23
14245	82.3112	108.4049	0007193	261.4628	58.5772	16.02990464	158
14245U	83 80	A	83230.17185025	.00049158	00000-0	79141-4 0	26
14245	82.3120	105.0239	0007398	244.8404	115.2159	16.03288211	205
14245U	83 80	A	83230.17185025	.00049158	00000-0	79141-4 0	27
14245	82.3120	105.0239	0007398	244.8404	115.2159	16.03288211	205

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~~424EU 83 81 A 83220.62854774 -.00000090 00000-0 00000 0 0 5
4248 0.3133 282.5906 0154769 158.7180 240.2160 0.55687204 1~~

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14251U	83 82	A	83221.47090075	-	.00001660	11459-4	00000 0 0	0
14251	72.8597		134.6678		0133501	84.7935	276.8478	15.96934144
14251U	83 82	A	83221.72149961	-	.00000173	00000-0	00000 0 0	1
14251	72.8924		134.0540		0102868	77.4447	283.7806	15.96669096
14251U	83082	A	83221.78416673		.00000000	00000-0	00000-0 0 0002	
14251	072.8597		133.8873		0130557	085.5674	276.0977	15.9671218900005
14251U	83 82	A	83222.03477247		.00350604	11486-4	31971-3 0	3
14251	72.8555		133.2484		0131004	65.0830	275.6956	15.96870404
14251U	83 82	A	83222.28534266		.04088896	11477-4	82566-4 0	4
14251	72.8535		132.6172		0130760	85.4531	276.0468	15.96858634
14251U	83 82	A	83223.82246951		.00021655	00000-0	13479-3 0	7
14251	72.8591		128.9484		0043713	208.1548	151.7197	15.60734254
14251U	83 82	A	83227.21974954		.08002911	00000-0	34087-4 0	12
14251	72.8564		120.8335		0043513	200.9336	158.9884	15.60708178
14251U	83 82	A	83230.16831525		.00107522	00000-0	12232-2 0	15
14251	72.8572		113.7876		0042752	194.1483	165.5140	15.60691755

14251U	83	82	A	83231.32219143	.00087307	00000-0	99999-3	0	16
14251	72.8554	111.0328	0040213	192.1504	167.8443	15.60715110	154		
14251U	83	82	A	83233.11702239	.00138934	00000-0	15760-2	0	19
14251	72.8582	106.7435	0042275	187.7059	172.2958	15.60693206	182		
14251U	83	82	A	83233.24523180	.00017281	00000-0	19999-3	0	20
14251	72.8585	106.4367	0042378	187.2297	172.8178	15.60686757	184		
14251U	83	82	A	83234.20673578	.00017260	00000-0	19999-3	0	21
14251	72.8567	104.1397	0042077	185.2906	174.6591	15.60667591	199		

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142560	83	83	A	83222.84619000	.00005046	34727-4	00000 0 0	2
14256	64.7300	187.8307	0095828	62.0810	299.0618	16.13301827		5
142560	83	83	A	83222.66021185	.00005118	35494-4	00000 0 0	1
14256	64.7259	188.5265	0095147	62.2017	298.8913	16.13171958		2
142560	83	83	A	83223.40392107	.00604780	35109-4	21866-3 0	4
14256	64.7258	185.7442	0093715	62.2603	298.7936	16.14090327		14
142560	83	83	A	83223.40392107	.00604780	35109-4	21866-3 0	4
14256	64.7258	185.7442	0093715	62.2603	298.7936	16.14090327		14
142560	83	83	A	83224.20913460	.00667790	35145-4	22858-3 0	5
14256	64.7246	182.7257	0091054	61.9423	299.1199	16.15124194		27
142560	83	83	A	83225.01380081	.00978243	35659-4	30958-3 0	6
14256	64.7250	179.7047	0088383	61.6622	299.5077	16.16374084		40
142560	83	83	A	83225.26121722	.00802724	35212-4	25106-3 0	7
14256	64.7234	178.7735	0086873	61.6868	299.2833	16.16773486		44
142560	83	83	A	83226.25036933	.00664772	34484-4	26663-3 0	8
14256	64.7252	175.0634	0146038	61.6373	298.9322	16.02804921		60

14256U	83 83	A	83227.24948466	.00604532	34501-4	23164-3 0	9
14256	64.7220	171.3735	0142443	64.9334	25618336	16.03995439	76
14256U	83 83	A	83229.18090546	.00617959	35150-4	21613-3 0	11
14256	64.7225	164.2281	0135003	64.1170	257.4744	16.06396392	107
14256U	83 83	A	83229.55436489	.00721858	35474-4	21613-3 0	12
14256	64.7236	162.8378	0111279	65.8024	298.0950	16.12616474	113
14256U	83 83	A	83230.23586550	.00766782	35202-4	22664-3 0	13
14256	64.7221	160.2886	0107683	65.5412	295.7692	16.13678421	124
14256U	83 83	A	83230.91733707	.00768220	35276-4	21194-3 0	14
14256	64.7217	157.7353	0104409	65.4558	295.6794	16.14720769	135
14256U	83 83	A	83231.28888556	.00809782	35537-4	21194-3 0	15
14256	64.7217	156.3388	0102444	65.2438	296.2066	16.15588874	141
14256U	83 83	A	83233.21726560	.00537078	34694-4	23283-3 0	20
14256	64.7214	149.1804	0138762	84.2713	277.4239	16.03538278	172
14256U	83 83	A	83234.15245770	.00559171	34209-4	23283-3 0	21
14256	14.7244	145.7248	0134667	83.9300	278.1635	16.04766741	187
14256U	83 83	A	83234.21469757	.00659536	34883-4	27388-3 0	22
14256	64.7231	145.4975	0134166	83.7053	277.9510	16.04881725	188
14256U	83 83	A	83235.21135125	.00831497	34840-4	32858-3 0	23
14256	64.7243	141.8089	0130404	83.2859	278.2503	16.06118141	204
14256U	83 83	A	83236.02054036	.17262176	34705-4	65206-2 0	24
14256	64.7238	138.8190	0124646	83.1239	278.3427	16.07659179	217
14256U	83 83	A	83236.02054036	.17262176	34705-4	65206-2 0	25
14256	64.7238	138.8190	0124646	83.1239	278.3427	16.07659179	217

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14256U	83	83	A	83236.14477259	.16545424	34423-4	65206-2	0	26
14256	64.7278	138.3441	0130730	83.8952	276.4836	16.06022800			219
14256U	83	83	A	83236.39303627	.00827576	34947-4	30827-3	0	27
14256	64.7223	137.4261	0125260	82.4954	274.4430	16.07732159			223
14256U	83	83	A	83237.20215477	.00741475	34834-4	26288-3	0	28
14256	64.7234	134.4226	0121958	82.5945	278.6899	16.08881226			236
14256U	83	83	A	83238.31255871	.00749470	35424-4	24478-3	0	29
14256	64.7219	130.0265	0117100	82.5302	278.8114	16.10638353			255
14256U	83	83	A	83239.16945191	.00796530	35591-4	24622-3	0	30
14256	64.7208	127.0139	0113546	82.2084	279.1852	16.11885848			268
14256U	83	83	A	83240.18169544	.00746531	35119-4	21681-3	0	31
14256	64.7195	123.3683	0109017	81.6937	279.4392	16.13343721			284
14256U	83	83	A	83241.04916581	.00332691	35019-4	21681-3	0	32
14256	64.7193	120.0573	0097174	84.1985	295.3163	16.07012021			298
14256U	83	83	A	83241.23612894	.00311730	34884-4	20200-3	0	33
14256	64.7193	119.3638	0096913	84.1454	296.9681	16.07136240			301
14256U	83	83	A	83243.41285234	.00407037	34630-4	25745-3	0	35
14256	64.6979	111.2557	0096443	83.5411	296.5763	16.07460526			336
14256U	83	83	A	83243.41285234	.00407037	34630-4	25745-3	0	36
14256	64.6979	111.2557	0096443	83.5411	296.5763	16.07460526			336

4256U	83 83	A	83243.72406667	.00354970	34832-4	22033-3 0	37
4256	64.7190	110.1247	0096435	66.2603	294.8940	16.07707280	341
4256U	83 83	A	83244.15944945	.00463092	34753-4	27469-3 0	38
4256	64.7190	108.5076	0095334	66.4350	294.9098	16.08140229	348
4256U	83 83	A	83250.24398860	.00451070	34088-4	23629-3 0	49
4256	64.7150	85.8148	0108407	74.9334	266.4695	16.07466975	446
4256U	83 83	A	83251.23910839	.00574606	35222-4	28474-3 0	50
4256	64.7154	82.1170	0105471	74.9063	266.7532	16.08595679	462
4256U	83 83	A	83248.25529010	.00470352	35124-4	20848-3 0	45
4256	64.7165	93.2173	0076039	70.2009	290.7251	16.14968018	414
4256U	83 83	A	83248.68870890	.00372586	35139-4	16103-3 0	46
4256	64.7132	91.5846	0075044	71.3783	289.6834	16.15441489	421
4256U	83 83	A	83248.87439790	.00287729	34785-4	16103-3 0	47
4256	64.7182	90.9125	0111524	75.4965	283.8550	16.06220367	424
4256U	83 83	A	83249.18603569	.00369664	34420-4	20277-3 0	48
4256	64.7147	89.7403	011.1059	75.5723	285.8452	16.06487966	429
4256U	83 83	A	83255.15019079	.00612272	35378-4	24455-3 0	56
4256	64.7139	67.5309	0092495	73.5575	287.6883	16.13270206	525
4256U	83 83	A	83256.26544246	.00728488	35168-4	26771-3 0	58
4256	64.7116	63.3570	0088188	74.0228	287.1385	16.14897638	543
4256U	83 83	A	83257.25586805	.00692468	35975-4	24052-3 0	59
4256	64.7129	59.6339	0084110	72.5818	288.2491	16.16204671	559
4256U	83 83	A	83257.62792022	.00210397	10605-4	23150-3 0	60
4256	64.7189	58.2447	0106312	116.2068	243.3762	15.98744205	565
4256U	83 83	A	83259.18576944	.00579034	34258-4	27344-3 0	63
4256	64.7134	52.4776	0120079	123.9529	237.5588	16.06351701	590

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256U	83	83	A	83259.18576944	.00575034	34298-4	27344-3	0	64
256	64.7134	52.4776	0120079	123.5529	237.5588	16.06351701	590		
256U	83	83	A	83260.74107097	.00621891	34306-4	31269-3	0	67
256	64.7153	46.7015	0115750	128.1457	232.0775	16.05738891	615		
256U	83	83	A	83261.30164234	.00585042	35160-4	26784-3	0	68
256	64.7136	44.6270	0117606	128.0663	233.0638	16.06391130	624		
256U	83	83	A	83262.17294599	.00608725	34799-4	28764-3	0	69
256	64.7137	41.3970	0114435	127.7946	233.3121	16.07424736	638		
256U	83	83	A	83263.23018627	.00713666	35085-4	32080-3	0	70
256	64.7124	37.4875	0109480	127.5690	233.7540	16.08882726	655		
4256U	83	83	A	83264.22428930	.00634974	35150-4	27139-3	0	71
4256	64.7136	33.7653	0105350	127.3885	233.7650	16.10200492	671		
4256U	83	83	A	83265.21761144	.00648073	35154-4	26196-3	0	72
4256	64.7112	30.0627	0101479	127.0334	234.0770	16.11503903	687		
256U	83	83	A	83265.71396287	.00726656	35518-4	26196-3	0	73
256	64.7137	28.2010	0084932	124.5518	238.5640	16.15670316	695		
256U	83	83	A	83266.20865616	.00749020	35270-4	25915-3	0	74
256	64.7130	26.3429	0083122	124.0775	236.8311	16.16409951	703		

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Kosmos 1490, 1491, 1492

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14258U	83 84	A	83222.70323992	.00000015	00000-0	59995-4 0	3
14258	64.9371	243.6727	0011921	342.9807	14.9326	2.13186094	0
14259U	83 84	B	83223.01999998	.00000015	00000-0	59999-4 0	1
14259	64.7370	243.5580	0007839	170.0660	70.8690	2.12659423	1
14260U	83 84	C	83223.03999998	.00000015	00000-0	59999-4 0	2
14260	64.7470	243.2450	0016130	154.5820	101.6630	2.12928522	1
14261U	83 84	D	83223.06616680	.13485275	59036-4	20565-2 0	2
14261	51.6081	242.6337	0005381	132.3149	229.6015	16.33344982	5
14262U	83 84	E	83223.24855952	.02878195	59460-4	34128-3 0	3
14262	51.6307	241.5703	0015574	270.8801	89.0671	16.35312630	8

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142830	83	85	A	83229.55964048	-	.00008324	57657-4	00000	0	0	1
14283	51.6393	157.0039	0039734	84.1244	276.4315	16.21414375					1
142830	83	85	A	83229.62127158	-	.00008289	57225-4	00000	0	0	2
14283	51.6367	156.6597	0039286	83.9503	276.6156	16.21484213					2
142830	83	85	A	83229.80615249	-	.00000579	00000-0	00000	0	0	3
14283	51.6303	155.6421	0053630	183.5558	174.2057	15.95888358					3
142830	83	85	A	83230.11964036	-	.00000576	00000-0	00000	0	0	4
14283	51.6372	153.9815	0054148	184.2725	175.6901	15.95808137					4
142830	83	85	A	83230.24489782	-	.00000574	00000-0	00000	0	0	5
14283	51.6364	153.3218	0052983	185.2123	174.8511	15.95856488					5
142830	83	85	A	83230.68321779	.	.00047466	70488-5	11367-3	0	0	7
14283	51.6403	150.9964	0047944	185.5891	169.8580	15.94630783					7
142830	83	85	A	83231.05930558	.	.00088836	92522-5	20618-3	0	0	8
14283	51.6369	149.0022	0048254	190.7914	169.2257	15.94724506					8
142830	83	85	A	83231.24729013	.	.00125551	12791-4	29743-3	0	0	9
14283	51.6375	148.0086	0047988	191.7486	168.2512	15.94783710					9
142830	83	85	A	83236.11110256	.	.00084480	00000-0	43065-3	0	0	11
14283	51.6093	122.7154	0014625	223.9833	135.7443	15.80512639					11

14283U	83 85	A	83241.11585699	.00013589	00000-0	90794-4 0	16
14283	51.6052		96.8833 0015596	131.1016	229.1349	15.74953733	7852
14283U	83 85	A	83247.14465880	.00013400	00000-0	90794-4 0	17
14283	51.6041		65.8771 0017362	152.2529	207.9171	15.74600516	7947
14283U	83 85	A	83248.28702249	.00016454	00000-0	11305-3 0	18
14283	51.6002		59.9969 0017439	158.1267	2021.0835	15.74649195	297
14283U	83 85	A	83249.11202877	.00140148	00000-0	91251-3 0	19
14283	51.5979		55.7601 0017230	155.1617	205.0627	15.74766547	310
14283U	83 85	A	83255.20338056	.00066794	00000-0	43248-3 0	24
14283	51.6025		24.4070 0018277	181.1346	178.7928	15.75178769	406

83-86A

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forts-1

288U	83	86	A	83242.62933067	.02034103	39522-4	47075-3	0	25
288E	63.2992	319.9372	0088014	142.7953	217.8859	16.19377777			183
288U	83	86	A	83243.18470840	.02436733	39762-4	51035-3	0	26
288	63.2963	317.7265	0080315	142.9264	217.7429	16.21695210			192
288U	83	86	A	83243.61606660	.04542469	40177-4	83332-3	0	27
288	63.2966	316.0043	0075029	142.7240	217.8970	16.23823177			199
288U	83	86	A	83243.80071720	.02464706	39935-4	42938-3	0	28
288	63.2958	315.2636	0072673	142.4379	217.9013	16.24706758			202
288U	83	86	A	83244.29271891	.02906879	40366-4	39418-3	0	29
288	63.2954	313.2929	0065449	142.5765	217.9978	16.27570547			210
288U	83	86	A	83244.90628485	.03942567	40522-4	33964-3	0	30
288	63.2946	310.8168	0053145	141.9302	218.4909	16.32009826			220
288U	83	86	A	83245.57897774	.06265142	41390-4	23848-3	0	31
288	63.2938	308.0861	0037369	142.3162	218.0879	16.38886677			231
288U	83	86	A	83245.63997457	.07258003	41677-4	23651-3	0	32
288	63.2912	307.8343	0036012	142.4871	217.9455	16.39937354			232
288U	83	86	A	83245.82274337	.09670039	41871-4	21004-3	0	33
288	63.3011	307.0938	0030555	141.7668	218.6396	16.43091207			235
288U	83	86	A	83245.88357026	.10974093	41807-4	21601-3	0	34
288	63.2922	306.8347	0026421	142.6567	217.6009	16.44292853			236

14288U	83	86	A	83246.06579112	.17294171	42258-4	15466-3	0	35
14288	63.2918	386.0819	00211.00	147.4932	213.2215	16.50040962			239
14288U	83	86	A	83246.12627635	.24822263	43093-4	14942-3	0	36
14288	63.3241	305.8660	0011335	155.8287	204.5098	16.53794572			240

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14288U	83 86	A	83231.29170906	- .00005495	38134-4	00000 0 0	2
14288	63.3135		4.0611 0162787	144.8174	216.0858	15.97922335	1
14288U	83 86	A	83231.41881847	- .00005120	35399-4	00000 0 0	2
14288	63.5925		3.4683 0238247	158.5221	202.6131	15.78327297	3
14288U	83 86	A	83231.97980558	+ .00005428	37433-4	00000 0 0	3
14288	63.3125		1.4699 0161902	144.4094	214.5462	15.98006979	12
14288U	83 86	A	83232.48073690	.00320744	38032-4	14649-3 0	6
14288	63.3116		359.4788 0161285	145.0303	216.1664	15.98410369	20
14288U	83 86	A	83232.54329618	.00329512	37725-4	15010-3 0	17
14288	63.3120		359.2376 0161150	145.0323	216.1596	15.98459923	21
14288U	83 86	A	83232.79352003	.00342055	38016-4	15462-3 0	8
14288	63.3124		358.2748 0160579	144.9854	216.2203	15.98649608	25
14288U	83 86	A	83233.23134728	.00345268	37787-4	15731-3 0	9
14288	63.3115		356.5856 0158626	145.0214	216.2268	15.98977162	32
14288U	83 86	A	83233.48147791	.00361963	38033-4	16577-3 0	10
14288	63.3088		355.6194 0157444	145.0581	216.1093	15.99165590	36
14288U	83 86	A	83234.23173258	.00417312	37802-4	18951-3 0	11
14288	63.3091		352.7251 0154551	145.0263	216.3133	15.99830265	48

14288U	83 86	A	83234.66919045	.00394201	37672-4	17802-3	0	12
14288	63.3101		351.0367	0153321	145.0615	215.9761	16.00147770	55
14288U	83 86	A	83235.23157143	.00369950	37509-4	16697-3	0	13
14288	63.3097		348.8610	0151458	145.0538	215.9860	16.00547553	64
14288U	83 86	A	83236.41833894	.00366615	37672-4	16251-3	0	14
14288	63.3104		344.2686	0148107	145.1696	215.8398	16.01419711	83
14288U	83 86	A	83236.54314335	.01288321	38418-4	57904-3	0	15
14288	63.3024		343.7909	0142331	144.1165	217.0712	16.02355520	85
14288U	83 86	A	83237.22927102	.01180780	38258-4	50433-3	0	16
14288	63.3037		341.1328	0136925	143.9978	217.0932	16.03970126	96
14288U	83 86	A	83238.35053152	.01262075	38381-4	48925-3	0	17
14288	63.2980		336.7630	0127830	143.8537	217.4902	16.06763654	114
14288U	83 86	A	83239.34546337	.01175951	38881-4	42353-3	0	18
14288	63.2985		332.8795	0118824	143.6104	217.4042	16.09281700	130
14288U	83 86	A	83239.71817863	.01351809	39164-4	46416-3	0	19
14288	63.2998		331.4185	0115945	143.3927	217.6499	16.10310448	136
14288U	83 86	A	83240.21473545	.01281627	38755-4	41452-3	0	20
14288	63.2989		329.4713	0112464	143.7549	217.0468	16.11574688	144
14288U	83 86	A	83240.77295619	.03539845	38932-4	11089-2	0	21
14288	63.2983		327.2698	0105932	142.1151	218.7789	16.13122437	153
14288U	83 86	A	83241.33060590	.01386443	39243-4	35775-3	0	23
14288	63.2954		325.0785	0102375	143.1709	217.7288	16.14673205	162
14288U	83 86	A	83241.88770484	.01826051	39730-4	48897-3	0	24
14288	63.2973		322.8762	0095901	142.7423	218.3891	16.16547277	171

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Kosmos 1493

Upp: 23 augusti

Ned: 6 sept 1983

4299U	83 87	A	83235.45354173	-	.00001657	11882-4	00000 0 0	1
4299	72.8682	142.2188	0130131		88.4673	273.1160	15.98702588	0
4299U	83 87	A	83235.57870125	-	.00001635	11242-4	00000 0 0	2
4299	72.8911	141.8876	0134993		89.6155	271.4698	15.97051505	2
4299U	83 87	A	83236.20507749	-	.00000061	00000-0	00000 0 0	3
4299	72.8566	140.3287	0039970		208.6131	142.1055	15.60689447	12
4299U	83 87	A	83237.23232302	-	.00006593	00000-0	99999-4 0	4
4299	72.8554	137.8753	0039776		207.0916	152.7565	15.60673899	28
4299U	83 87	A	83238.38612348		.00001324	00000-0	16040-4 0	5
4299	72.8558	135.1195	0039792		204.0945	155.5989	15.60664768	46
4299U	83 87	A	83239.34769068		.00001323	00000-0	16040-4 0	6
4299	72.8556	132.8195	0039258		202.2239	157.6818	15.60653107	61
4299U	83 87	A	83240.24512808	-	.00000061	00000-0	00000 0 0	7
4299	72.8572	130.6778	0039459		199.6771	160.2856	15.60655308	75
4299U	83 87	A	83241.27176190		.00005606	00000-0	11266-3 0	8
4299	72.8548	128.2266	0039570		197.7928	162.1188	15.60648935	91
4299U	83 87	A	83241.91175528	-	.00014154	00000-0	10335-3 0	9
4299	72.8532	126.6954	0039563		196.3245	163.6075	15.60638320	101

14299U	83 87	A	83243.12975925	.00003566	00000-0	46657-4 0	11
14299	72.8552	123.7859	0039257	193.1911	166.7809	15.60629443	120
14299U	83 87	A	83243.19387071	.00002523	00000-0	29999-4 0	12
14299	72.8545	123.6321	0039225	193.0404	166.9830	15.60631508	121
14299U	83 87	A	83244.21951699	.00002518	00000-0	29999-4 0	13
14299	72.8540	121.1796	0038358	189.8946	170.2831	15.60624648	137
14299U	83 87	A	83245.24518514	.00008564	00000-0	99999-4 0	14
14299	72.8554	118.7307	0039151	188.2601	171.8034	15.60626240	153
14299U	83 87	A	83245.95031710	.00008576	00000-0	99999-4 0	15
14299	72.8576	117.0476	0039960	186.6284	173.4921	15.60625429	164
14299U	83 87	A	83246.20673790	.00010981	00000-0	12882-3 0	16
14299	72.8557	116.4341	0039128	186.3580	173.6923	15.60622095	168
14299U	83 87	A	83247.23238914	.00010976	00000-0	12881-3 0	17
14299	72.8556	113.9819	0039019	183.7716	176.2147	15.60617781	184

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Lpp: 25 aug 83

4307U	83 88	A	83237.55828562	-	.00000031	00000-0	55555-4 0	1
4307	1.4138		282.2148	0014453	249.5704	110.6032	0.97487825	0
4308U	83 88	B	83239.66105532		.05411990	59956-4	31975-3 0	9
4308	51.6103		273.2764	0005455	254.8942	105.2209	16.41606029	10
4309U	83 88	C	83238.37786627		.39539814	60707-4	12156-2 0	4
4309	51.6019		280.4915	0002925	164.6550	196.0549	16.45062998	10
4310U	83 88	D	83240.14293579		.00000034	00000-0	55555-4 0	1
4310	47.3960		282.6835	7291651	0.3761	0.4488	2.21755872	5
4311U	83 88	E	83239.23681839		.00000109	00000-0	89999-4 0	1
4311	47.3569		282.8991	7310908	0.1684	358.6057	2.22133169	4

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(Challenger)

Wed: ~~Sept~~ 19

14312U	E3	89	A	83242.3555520	.00116724	00000-0	34999-3	0	2
14312	28.4650	267.1699	0005163	282.6001	265.8604	15.91063881			2
14312U	83	89	A	83242.38544067	.00118712	00000-0	34999-3	0	3
14312	28.4647	266.9447	0004848	289.5622	70.4350	15.91064712			2
14312U	83	89	A	83242.62445232	.00120041	00000-0	34999-3	0	4
14312	28.4642	263.6611	0006553	254.7386	65.2768	15.51260848			9
14312U	83	89	A	83242.82445232	.00120041	00000-0	34999-3	0	5
14312	28.4642	263.6611	0006553	294.7386	65.2708	15.91260848			9
14312U	83	89	A	83243.13799196	.00120318	00000-0	34999-3	0	6
14312	28.4673	261.3140	0006510	298.5301	61.4338	15.91305814			14
14312U	83	89	A	83243.32611944	.00119984	00000-0	34999-3	0	7
14312	28.4645	259.9086	0006636	305.1810	54.7173	15.91250722			17
14312U	83	89	A	83243.38884707	.00106139	00000-0	34999-3	0	8
14312	28.4644	259.4385	0009246	10.0860	349.5065	15.89205779			18
14312U	83	89	A	83243.64009349	.00167906	00000-0	34999-3	0	9
14312	28.4639	257.5691	0009873	10.1522	349.8533	15.89152928			22
14312U	83	89	A	83244.20522704	.00108354	00000-0	34999-3	0	11
14312	28.4669	253.3507	0008150	19.0243	341.0774	15.89260617			31

14312U	83	89	A	83244.31388854	.00108302	00000-0	34999-3	0	12
14312	28.4641	252.5380	0008991		17.8788	245.1984	15.89239157		32
14312U	83	89	A	83244.58196520	.00107447	00000-0	34999-3	0	13
14312	28.4604	250.5376	0008955		21.0982	238.8848	15.89084869		36
14312U	83	89	A	83245.02156102	.00107668	00000-0	34999-3	0	15
14312	28.4664	247.2657	0010190		22.2397	237.3372	15.89103808		43
14312U	83	89	A	83245.20995018	.00589167	16069-3	34999-3	0	16
14312	28.4644	245.8517	0005285		279.3577	81.3254	16.17304380		46
14312U	83	89	A	83245.31388854	.00602891	20160-3	34999-3	0	17
14312	28.4647	245.0489	0006195		282.6301	324.6057	16.17600948		47
14312U	83	89	A	83245.76493447	.00624600	21975-3	34999-3	0	18
14312	28.4641	241.5414	0006267		288.0295	71.6087	16.18073937		54
14312U	83	89	A	83246.07324644	.00645451	23732-3	34999-3	0	19
14312	28.4725	239.1517	0008325		298.9650	69.0115	16.18467761		59
14312U	83	89	A	83246.19654556	.00641617	23488-3	34999-3	0	20
14312	28.4637	238.1814	0005981		291.0209	68.9102	16.18437211		61
14312U	83	89	A	83246.31388854	.00648516	24100-3	34999-3	0	21
14312	28.4644	237.2718	0006053		293.3225	31.8054	16.18577594		62
14312U	83	89	A	83246.44315058	.00650606	24314-3	34999-3	0	22
14312	28.4639	236.2649	0005917		294.8609	65.0861	16.18623159		64
14312U	83	89	A	83246.75135575	.00657467	24940-3	34999-3	0	23
14312	28.4669	233.8604	0006216		295.6164	64.1686	16.18756852		69
14312U	83	89	A	83247.05956236	.00215844	16065-4	11048-3	0	24
14312	28.4588	231.4471	0006607		301.1012	58.9271	16.19100883		74

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14312U	83 89	A	83247.31388854	.00686456	27760-3	34999-3 0	25
14312	28.4645	229.4811	0006076	300.9816	104.7804	16.19328043	78
14312U	83 89	A	83247.67571990	.00697626	28785-3	34999-3 0	26
14312	28.4648	226.6678	0007537	307.8654	51.7121	16.19508270	.84
14312U	83 89	A	83248.04541053	.00723720	-82482-5	34999-3 0	27
14312	28.4668	223.7783	0007089	312.1734	47.6886	16.19919510	90
14312U	83 89	A	83248.28958298	.73348369	-34965-4	34999-3 0	28
14312	28.4627	221.8719	0196889	147.3670	200.1762	16.68304624	93
14312U	83 89	A	83248.16874773	.00735934	-83497-5	34999-3 0	29
14312	28.4676	222.7982	0006525	267.7585	73.0522	16.20144656	92
14312U	83 89	A	83248.23019463	.00741173	-86979-5	34999-3 0	31
14312	28.4622	222.3299	0008458	279.8517	80.1125	16.20192595	93
14312U	83 89	A	83248.23019463	.00741173	-86979-5	34999-3 0	32
14312	28.4622	222.3299	0008458	279.8517	80.1125	16.20192595	93
14312U	83 89	A	83248.23019499	.00725377	31854-3	34999-3 0	33
14312	28.4633	222.3317	0005107	313.4703	46.4488	16.20061637	93
14312U	83 89	A	83248.23021215	.00725370	31860-3	34999-3 0	34
14312	28.4633	222.3315	0005107	313.4705	46.5489	16.20061650	93
14312U	83 89	A	83248.23021215	.00725378	31857-3	34999-3 0	35
14312	28.4633	222.3315	0005107	313.4705	46.5489	16.20061647	93

143120	83	89	A	83248.23021215	.00725380	31856-3	34999-3	0	36
14312	28.4633	222.3315	0005107	313.4705	46.5489	16.20061647			93

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Molniya 3W

Lpp: 30 Aug-83

3130	83	90	A	83243.00211058	- .00000049	00000-0	00000	0	0	2
313	62.8063	270.7123	7478311	280.4227	10.4949	1.95775883				0
3130	83	90	A	83243.51075181	.00000035	00000-0	99999-4	0		4
313	62.8885	270.7723	7479338	280.3198	8.8905	1.95776407				1
3130	83	90	A	83245.04095887	.00000215	00000-0	99999-4	0		5
313	62.8900	270.4331	7478378	280.4166	7.0886	1.95721803				4

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Kosmos 1494

Upp 31aug 87

4316U	83 91	A	83243.38490822	.00386383	00000-0	44600-2 0	1
4316	50.6806		10.4824 0104702	182.7590	177.3142	15.53768793	2
4316U	83 91	A	83243.38490250	.00272004	00000-0	44600-2 0	2
4316	50.6589		10.4542 0151899	151.2274	209.6444	15.39148710	2
4316U	83 91	A	83243.44983834	.00273116	00000-0	44600-2 0	3
4316	50.6744		10.1107 0150999	150.9683	209.9706	15.39377151	3
4316U	83 91	A	83243.77438629	.00063336	00000-0	10606-2 0	4
4316	50.6762		8.4952 0150866	152.3189	208.5232	15.39425469	8
4316U	83 91	A	83244.22878327	.00022863	00000-0	39082-3 0	5
4316	50.6764		6.2344 0150570	154.0161	206.8428	15.39431951	15
4316U	83 91	A	83244.22878327	.00022863	00000-0	39082-3 0	7
4316	50.6764		6.2344 0150570	154.0161	206.8428	15.39431951	15
4316U	83 91	A	83245.20244080	.00030824	00000-0	52169-3 0	8
4316	50.6758		1.3798 0150647	157.9190	202.8847	15.39497500	30
4316U	83 91	A	83245.98132302	.00030666	00000-0	52169-3 0	9
4316	50.6776		357.5030 0149097	160.9137	199.7227	15.39537842	42
4316U	83 91	A	83245.24095430	.00028208	00000-0	47766-3 0	10
4316	50.6784		356.2090 0150438	162.1044	198.5457	15.39555516	46

143160	83	91	A	83247.21452595	.00025355	00000-0	43081-3 0	11
14316	50.6789	351.3586	0150246	185.9174	154.5908	15.39506549	6	
143160	83	91	A	83250.26487526	.00025565	00000-0	43200-3 0	14
14316	50.6779	336.1530	0149891	177.9805	182.2271	15.39760867	108	
143160	83	91	A	83251.23831212	.00028522	00000-0	47980-3 0	15
14316	50.6777	331.3085	0149756	181.8436	178.2080	15.39821282	123	
143160	83	91	A	83256.29962362	.00025061	00000-0	42080-3 0	20
14316	50.6773	306.0768	0148637	201.7543	157.6916	15.40103313	201	

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Lipp: 3 Sept 1983

Ned: 16 Sept 83

43200	83 92	A	83248.54300672	.00000098	00.000-0	00000 0 0	1	
4320	82.3068		162.0232	0012278	158.1198	201.8065	16.21145068	1
43200	83 92	A	83247.09860183	.00000098	00.000-0	00000 0 0	2	
4320	82.3230		161.3619	0012603	157.9774	202.3459	16.21370727	10
43200	83 92	A	83247.22201582	.00000098	00.000-0	00000 0 0	3	
4320	82.3184		161.2191	0012479	153.1349	203.0267	16.21345766	12
43200	83 92	A	83247.53060990	.00125036	00.000-0	73637-4 0	4	
4320	82.3239		160.8554	0016556	99.7128	257.7260	16.18311819	17
43200	83 92	A	83248.27308708	.00162066	00.000-0	54498-4 08	5	
4320	82.3220		169.9817	0016561	102.2558	257.8534	16.18446536	29
43200	83 92	A	83249.20049105	.00155183	00.000-0	88757-4 0	6	
4320	82.3240		158.8892	0016410	99.3516	260.8560	16.18708590	44
43200	83 92	A	83250.25134893	.00147055	00.000-0	82178-4 0	7	
4320	82.3250		157.6522	0016529	94.8782	265.8867	16.19013457	62
43200	83 92	A	83251.17841009	.00196388	-13941-5	10659-3 0	8	
4320	82.3251		156.5602	0016221	91.9470	268.5992	16.19388134	77
43200	83 92	A	83253.21711370	.00167038	00.000-0	96105-4 0	10	
4320	82.3237		154.1557	0015669	85.4516	274.8658	16.20145813	110

4320U	83	92	A	83254.20524657	.00186514	00000-0	53283-4 0	11
4320	82.3215	152.9852	0018204	83.6808	277.2222	16.20513639	126	
4320U	83	92	A	83255.19315776	.00186636	00000-0	91778-4 0	12
4320	82.3198	151.8227	0014715	80.1506	280.1636	16.20888198	142	
4320U	83	92	A	83256.24316065	.00155126	00000-0	91778-4 0	14
4320	82.3147	150.5906	0013614	143.0365	218.6146	16.18370801	159	
4320U	83	92	A	83257.04664589	.00313145	-15980-5	18135-3 0	15
4320	82.3268	149.6379	0011934	129.1014	230.9611	16.18704285	172	
4320U	83	92	A	83257.17031365	.00157221	00000-0	91084-4 0	16
4320	82.3225	149.4924	0012442	127.7223	232.4819	16.18693790	174	
4320U	83	92	A	83255.20557885	.00161283	00000-0	86051-4 0	18
4320	82.3226	147.0881	0012016	119.7209	240.3806	16.19345179	207	

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14326U	83 93	A	83250.67426339	- .00004026	27781-4	00000 0 0	1
14326	67.1781	173.6410	0129092	74.0723	288.1249	16.07176464	2
14326U	83 93	A	83250.73638178	- .00004051	27659-4	00000 0 0	2
14326	67.1784	173.4323	0122630	70.9671	290.3802	16.06780608	3
14326U	83 93	A	83251.10984130	- .00004044	27970-4	00000 0 0	3
14326	67.1857	172.1762	0123164	70.5744	250.9941	16.07204932	9
14326U	83 93	A	83251.23428280	.00591545	28206-4	23717-3 0	4
14326	67.1835	171.7562	0122528	70.8668	290.6608	16.07452788	11
14326U	83 93	A	83251.54535521	.00695729	27726-4	27787-3 0	5
14326	67.1835	170.7075	0121595	70.3064	291.1961	16.07835646	16
14326U	83 93	A	83254.15200561	.00821780	2843E-4	211E6-3 0	10
14326	67.1837	161.8735	0090550	77.5478	283.5127	16.1E049673	58
14326U	83 93	A	83254.95527216	.00885222	28270-4	21186-3 0	11
14326	67.1822	159.1246	0086758	77.0243	284.1335	16.19443414	71
14326U	83 93	A	83255.14052316	.00875261	2E532-4	20431-3 0	12
14326	67.1819	158.4896	0086174	76.5190	284.5837	16.19783786	74
14326U	83 93	A	83255.81944845	.0090E201	28800-4	19878-3 0	13
14326	67.1833	156.1546	0082113	76.1698	284.8465	16.21097492	85

4326U	83	93	A	83255.94283718	.02108642	28555-4	44177-3	0	14
4326	67.1951	155.7316	0081287		74.6780	286.3926	16.21643576		87
4326U	83	93	A	83262.15318872	.00862286	28027-4	22991-3	0	28
4326	67.1763	134.7077	0116790		47.1860	313.7626	16.12658842		187
4326U	83	93	A	83262.95912953	.00551098	27941-4	22991-3	0	29
4326	67.1819	131.9699	0118971		58.9860	300.1321	16.07921256		200
4326U	83	93	A	83263.33267469	.00679462	27433-4	27530-3	0	30
4326	67.1782	130.7101	0117664		58.6918	302.6721	16.08459660		206
4326U	83	93	A	83252.10506395	.00659497	28190-4	25466-3	0	67
4326	67.1852	168.8189	0115819		70.0048	291.2480	16.06528579		250
4326U	83	93	A	83252.16726633	.00622482	28172-4	24161-3	0	71
4326	67.1824	168.6109	0119272		69.9058	291.4904	16.06567614		269
4326U	83	93	A	83253.16172248	.00615512	27734-4	22604-3	0	86
4326	67.1822	165.2521	0115774		69.1047	292.2418	16.06626193		426
4326U	83	93	A	83264.01646472	.05559227	27759-4	21605-2	0	31
4326	67.1772	128.3991	0116332		58.3972	302.7582	16.09090288		217
4326U	83	93	A	83264.26503886	.06374917	28001-4	21605-2	0	32
4326	67.1768	127.5612	0119215		55.7481	305.3125	16.09881251		221
4326U	83	93	A	83264.69988798	.00675457	28143-4	25273-3	0	34
4326	67.1772	126.0903	0112969		57.6400	303.2767	16.10178974		228
4326U	83	93	A	83265.19676171	.00631936	27628-4	22737-3	0	35
4326	67.1753	124.4096	0111665		57.4012	303.7749	16.10825780		236
4326U	83	93	A	83265.94163807	.00715866	28146-4	24834-3	0	36
4326	67.1773	121.8792	0108101		56.9763	304.3131	16.11868901		248

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4326U	83 93	A	83266.18979044	.00716750	28308-4	24564-3	0	37
4326	67.1759	121.0387	0107058	56.4098	204.7069	16.12216920		252
4326U	83 93	A	83266.99598929	.00547051	28341-4	24564-3	0	38
4326	67.1777	118.3059	0112605	65.3426	292.6865	16.08382064		265
4326U	83 93	A	83267.24527260	.00554013	28197-4	24564-3	0	39
4326	67.1772	117.4625	0111976	65.0183	256.2324	16.08633931		269
4326U	83 93	A	83268.05333489	.00572681	27420-4	24606-3	0	40
4326	67.1757	114.7339	0109011	64.4185	256.7412	16.09522298		282
4326U	83 93	A	83268.23976072	.00545248	27860-4	23354-3	0	41
4326	67.1777	114.1028	0108225	64.2041	297.0106	16.09708408		285
4326U	83 93	A	83268.48827947	.00622513	28119-4	26170-3	0	42
4326	67.1744	113.2640	0107411	63.9264	297.3422	16.10047984		289
4326U	83 93	A	83269.23350785	.00655671	27901-4	26292-3	0	43
4326	67.1721	110.7411	0104875	63.3366	297.8675	16.11013428		301
4326U	83 93	A	83269.97828404	.00517107	28258-4	19892-3	0	44
4326	67.1737	108.2151	0102005	62.5666	258.6032	16.11998087		313
4326U	83 93	A	83270.22644492	.00663111	28144-4	24974-3	0	45
4326	67.1744	107.3720	0101167	62.4618	258.7393	16.12355814		317
4326U	83 93	A	83271.40447150	.00724880	27923-4	25212-3	0	47
4326	67.1712	103.3685	0096599	61.4125	299.7197	16.14006672		336

143260	83 93	A	83271.90009226	.0048764E	27187-4	25212-3 0	48
14326	67.1977	101.6671	0162512	73.4399	276.4926	15.96502832	344
143260	83 93	A	83271.96482114	.00493522	27212-4	25212-3 0	49
14326	67.1722	101.4831	0164575	72.5840	289.2796	15.96623045	345
143260	83 93	A	83272.34064496	.00469641	27057-4	23747-3 0	50
14326	67.1711	100.2318	0163504	72.0650	289.7754	15.96954736	351
143260	83 93	A	83273.21725014	.00470682	27496-4	23252-3 0	51
14326	67.1707	97.3199	0166619	71.2211	290.6569	15.97752928	365
143260	83 93	A	83275.15665997	.00481766	27323-4	22208-3 0	53
14326	67.1709	90.8636	0154777	69.3675	292.4747	15.95656766	396
143260	83 93	A	83275.59426103	.00483571	27358-4	22308-3 0	54
14326	67.1731	89.4035	0152263	68.8568	293.0575	16.00213999	403
143260	83 93	A	83276.03168452	.00621232	27420-4	28008-3 0	55
14326	67.1698	87.9426	0150420	68.5891	293.3111	16.00806634	410
143260	83 93	A	83276.21907736	.00597788	27099-4	26753-3 0	56
14326	67.1694	87.3162	0149772	68.3453	293.3392	16.01016148	413
143260	83 93	A	83276.53140124	.00322707	27170-4	14420-3 0	57
14326	67.1692	86.2722	0148589	67.9677	293.7036	16.01330583	418
143260	83 93	A	83276.90613156	.00601376	27246-4	26420-3 0	58
14326	67.1700	85.0178	0146419	67.6228	294.3264	16.01890844	424
143260	83 93	A	83277.28065238	.00673498	27858-4	28883-3 0	59
14326	67.1689	83.7647	0145039	67.3244	294.3629	16.02408702	430
143260	83 93	A	83277.84226630	.00136592	11857-4	26326-3 0	60
14326	67.1676	81.8835	0122961	93.7573	266.2920	15.87883907	439

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14326U	83 93	A	83277.96849993	.00603515	27871-4	26326-3 0	61
14326	67.1565		81.4729 0136687	123.0961	241.9674	16.03943842	441
14326U	83 93	A	83278.09258245	.00601949	27378-4	26326-3 0	62
14326	67.1684		81.0461 0135561	123.2320	238.2389	16.04143773	443
14326U	83 93	A	83278.27961104	.00756313	27371-4	32596-3 0	63
14326	67.1685		80.4198 0134685	122.8894	238.5678	16.04454954	446
14326U	83 93	A	83281.26791235	.00764899	28343-4	28166-3 0	67
14326	67.1693		70.3621 0120795	119.7165	241.6278	16.08800838	494
14326U	83 93	A	83282.20003393	.00804045	28039-4	28291-3 0	68
14326	67.1698		67.2094 0115428	118.7326	242.6681	16.10302585	509
14326U	83 93	A	83285.23847908	.00953216	28062-4	26558-3 0	73
14326	67.1657		56.8829 0098899	114.8399	246.1560	16.15741102	558
14326U	83 93	A	83285.79544187	.00967096	28724-4	25399-3 0	74
14326	67.1666		54.9820 0096001	114.2944	246.9173	16.16848106	567
14326U	83 93	A	83286.35197941	.00734816	28268-4	25399-3 0	75
14326	67.1662		53.0916 0115525	123.9935	226.3663	16.10463082	576
14326U	83 93	A	83281.26791235	.00764899	28343-4	28166-3 0	67
14326	67.1693		70.3621 0120795	119.7165	241.6278	16.08800838	494
14326U	83 93	A	83282.20003393	.00804045	28039-4	28291-3 0	68
14326	67.1698		67.2094 0115428	118.7326	242.6681	16.10302585	509

14326U	83 93	A	83287.09871315	.01012976	28265-4	32972-3	0	76
14326	67.1666		50.5579	0110359	123.3226	237.7232	16.12042682	588
14326U	83 93	A	83287.16077846	.01025332	28030-4	32896-3	0	77
14326	67.1656		50.3458	0110389	123.2140	237.9712	16.12176180	589
14326U	83 93	A	83288.71750839	.00940257	27569-4	34270-3	0	80
14326	67.1670		45.1055	0139282	128.3522	233.1110	16.05164906	614
14326U	83 93	A	83289.21582867	.00880116	28096-4	31368-3	0	81
14326	67.1662		43.4290	0136134	127.8470	233.4239	16.06027764	622
14326U	83 93	A	83290.27394071	.00863862	27813-4	28884-3	0	82
14326	67.1655		39.8626	0130092	126.6088	234.7038	16.07868245	639
14326U	83 93	A	83290.27394071	.00863862	27813-4	28884-3	0	83
14326	67.1655		39.8626	0130092	126.6088	234.7038	16.07868245	639
14326U	83 93	A	83291.02010646	.01096206	28036-4	34757-3	0	84
14326	67.1674		37.3433	0124806	125.9563	235.6153	16.09420299	651
14326U	83 93	A	83291.24859576	.01084524	28006-4	33627-3	0	85
14326	67.1669		36.5031	0123242	125.7051	235.5608	16.09957109	655
14326U	83 93	A	83292.13782921	.01121590	28164-4	31700-3	0	86
14326	67.1670		33.5579	0117684	124.4461	236.7284	16.11934675	669
14326U	83 93	A	83293.06752509	.01083745	28261-4	28670-3	0	87
14326	67.1663		30.3976	0110676	123.9638	237.0250	16.13538482	634

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4328U	83 94	A	83255.25491796	-	.00000227	00000-0	00000 0 0	5
4328	0.6179	323.3623	0041748	168.6243	230.3882	1.00517481		2
432EU	83 94	A	83260.21162870	-	.00000235	00000-0	55555-4 0	12
432E	0.0723	254.6330	0014063	48.1950	57.0366	1.00279461		7

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14330U	83 95	A	83252.81271721	-	.00001675	11593-4	00000 0 0	1
14330	72.8568	157.5444	0134129	EE.4818	273.0910	15.56055252		1
14330U	83 95	A	83252.81271721	-	.00001675	11593-4	00000 0 0	2
14330	72.8568	157.5444	0134129	EE.4818	273.0910	15.56055252		1
14330U	83 95	A	83252.87541307	-	.00001690	11756-4	00000 0 0	3
14330	72.8535	157.3867	0134572	E7.9989	273.6869	15.56152677		2
14330U	83 95	A	83252.82611886	-	.00001671	11574-4	00000 0 0	4
14330	72.8377	156.7492	0134145	E7.3129	274.3359	15.56131434		69
14330U	83 95	A	83253.07682896	-	.00000064	00000-0	00000 0 0	5
14330	72.8549	156.1521	0042329	211.5077	138.8893	15.61017655		10
14330U	83 95	A	83253.07682896	-	.00000064	00000-0	00000 0 0	6
14330	72.8549	156.1521	0042329	211.5077	138.8893	15.61017655		10
14330U	83 95	A	83253.20661756	-	.00067755	00000-0	77046-3 0	7
14330	72.8515	155.8445	0043778	210.4092	149.3779	15.60777264		12
14330U	83 95	A	83253.29852068	-	.00067568	00000-0	77046-3 0	8
14330	72.8517	155.3804	0042844	210.6206	149.2075	15.60758544		15

143300	83 95	A	83254.10358282	.00067686	00000-0	77046-3 0	9
14330	72.8550		153.6965 0043541	207.6706	152.0761	15.60765498	26
143300	83 95	A	83255.19367988	.00046358	00000-0	52906-3 0	12
14330	72.8510		151.0903 0043725	206.2680	153.6395	15.60770190	43
143300	83 95	A	83255.96282900	.00081803	00000-0	72323-2 0	13
14330	72.8530		149.2503 0041885	204.9525	154.7401	15.60849862	55
143300	83 95	A	83256.28329786	.00081741	00000-0	72323-2 0	14
14330	72.8503		148.4857 0043014	203.4383	156.1358	15.60792063	60
143300	83 95	A	83259.23191043	.00012555	00000-0	14988-3 0	18
14330	72.8501		141.4376 0043531	196.9932	162.8608	15.60709638	106
143300	83 95	A	83261.21902160	.00003334	00000-0	11083-3 0	20
14330	72.8509		136.6892 0042904	192.6322	167.3102	15.60705166	137
143300	83 95	A	83262.18052901	.00008661	00000-0	99999-4 0	21
14330	72.8518		134.3920 0042985	190.1467	169.8300	15.60709407	152
143300	83 95	A	83262.69333671	.00006654	00000-0	99999-4 0	22
14330	72.8492		133.1670 0043010	189.1354	170.8647	15.60690991	160
143300	83 95	A	83263.27022159	.00005011	00000-0	58265-4 0	23
14330	72.8501		131.7861 0042815	188.0707	171.8200	15.60692160	169
143300	83 95	A	83264.03945525	.00015862	00000-0	18352-3 0	24
14330	72.8513		129.9486 0042626	186.0439	173.9919	15.60697859	181
143300	83 95	A	83264.23176200	.00015867	00000-0	18352-30	259
14330	72.8516		129.4895 0042635	185.6107	174.4641	15.60704883	184
143300	83 95	A	83265.19325297	.00014079	00000-0	16321-3 0	26
14330	72.8496		127.1902 0042480	183.6090	176.3221	15.60683341	199

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14374U	83 96	A	83275.38630857	.00404509	78443-4	49990-3 0	9
14374	82.3125	154.8004	0012425	222.5588	137.4966	16.07690825	288
14374U	83 96	A	83277.00393821	.00444882	97951-4	50156-3 0	11
14374	82.3143	152.9191	0013786	216.2036	143.8301	16.09094959	314
14374U	83 96	A	83277.37701854	.00491803	12255-3	54109-3 0	12
14374	82.3112	152.4837	0012941	216.3287	143.8409	16.09508288	320
14380U	83101	A	83278.23850832	.00010460	00000-0	40608-3 0	13
14380	82.9383	197.1944	0032892	317.6137	42.2585	15.25433012	73
14374U	83 96	A	83278.37144802	.00564430	16829-3	57978-3 0	14
14374	82.3070	151.3237	0011623	220.0336	140.0970	16.10613546	336
14374U	83 96	A	83280.17221637	.00560475	16999-3	50773-3 0	16
14374	82.3084	149.2225	0011713	204.2041	155.8881	16.12490079	365
14374U	83 96	A	83280.17221637	.00560475	16999-3	50773-3 0	16
14374	82.3084	149.2225	0011713	204.2041	155.8881	16.12490079	365
14374U	83 96	A	83281.53682605	.00671153	25897-3	53798-3 0	20
14374	82.3075	147.6258	0012890	203.6202	156.9237	16.14256101	387
14374U	83 96	A	83282.52817144	.00787664	37892-3	57297-3 0	21
14374	82.3054	146.4605	0011822	203.1338	156.9453	16.15695555	403
14374U	83 96	A	83283.56656692	.00776677	12931-5	50196-3 0	22
14374	82.3039	145.2232	0011587	198.2830	161.8831	16.17263225	420

4374U	83 96	A	83284.57005557	.00926588	-14923-5	52256-3 0	23
4374	82.3051	144.0531	0011429	157.6559	162.8370	16.19085597	436
4374U	83 96	A	83284.63183007	.00927074	-16755-5	51866-3 0	24
4374	82.3040	143.9814	0011101	156.7581	163.2893	16.19201409	437
4374U	83 96	A	83285.37313491	.01067436	-16589-5	52807-3 0	25
4374	82.3040	143.1042	0010740	158.9806	161.4659	16.20818565	449
4374U	83 96	A	83285.37313491	.01067436	-16589-5	52807-3 0	26
4374	82.3040	143.1042	0010740	158.9806	161.4659	16.20818565	449
4374U	83 96	A	83286.54522482	.01305825	-56373-5	50455-3 0	27
4374	82.3007	141.7090	0012918	204.9093	156.0771	16.23829236	468
4374U	83 96	A	83280.17221637	.00560476	16999-3	50773-3 0	19
4374	82.3084	149.2225	0011713	204.2041	155.8881	16.12490079	365
4374U	83 96	A	83281.53682605	.00671153	25897-3	53798-3 0	20
4374	82.3075	147.6258	0012890	203.6202	156.9237	16.14256101	387
4374U	83 96	A	83282.52817144	.00787684	37892-3	57297-3 0	21
4374	82.3054	146.4605	0011822	203.1338	156.9453	16.15695555	403
4374U	83 96	A	83288.81801657	.04261727	-56458-5	54503-3 0	32
4374	82.2975	138.9899	0007556	218.7460	141.4571	16.35874684	505
4374U	83 96	A	83289.12360415	.05349298	-57918-5	48558-3 0	33
4374	82.2995	138.6147	0006724	231.4234	128.8526	16.28997842	510

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14334U	83 96	A	83258.92007569	.00003685	00000-0	59530-5 0	8
14334	82.3127	173.8233	0010375	294.6691	65.3786	16.03077718	24
4334U	83 96	A	83259.23218307	.00003695	00000-0	59530-5 0	9
4334	82.3151	173.4608	0010032	297.4310	62.6219	16.03121324	29
14334U	83 96	A	83260.51743970	.00060715	00000-0	57137-4 0	11
4334	82.3111	171.5174	0010073	292.5045	67.4881	16.03296569	56
14334U	83 96	A	83261.19192326	.00061523	00000-0	56065-4 0	12
14334	82.3140	171.0842	0010143	288.3465	71.7009	16.03351696	62
14334U	83 96	A	83262.22806240	.00048035	00000-0	76405-4 0	13
4334	82.3150	170.0046	0010189	285.7057	74.2285	16.03430781	77
14334U	83 96	A	83263.28899213	.00053661	00000-0	84701-4 0	14
4334	82.3137	168.7817	0010131	279.8239	80.2142	16.03544670	94
14334U	83 96	A	83264.22502406	.0005509E	00000-0	86408-4 0	15
14334	82.3123	167.7024	0010117	274.8233	85.2034	16.03648786	109

14334U	83 96	A	83265.16099637	.0004E400	00000-0	75611-4 0	16
14334	82.3110	166.6223	0010354	269.6703	90.2857	16.03729322	124
14334U	83 96	A	83266.22172404	.00047814	00000-0	74250-4 0	17
14334	82.3109	165.3981	0010508	263.7337	96.2638	16.03827241	141
14334U	83 96	A	83267.21999061	.000480E5	00000-0	74250-4 0	18
14334	82.3118	164.2465	0010628	258.4E36	101.5303	16.03919078	157
14334U	83 96	A	83268.28058675	.00049544	00000-0	76024-4 0	19
14334	82.3109	163.0218	0010520	253.7990	106.2109	16.04022163	174
14334U	83 96	A	83269.21634771	.00056578	00000-0	86131-4 0	20
14334	82.3109	161.9429	0010521	258.4745	109.5851	16.04133478	189
14334U	83 96	A	83270.21440908	.000603E3	00000-0	91157-4 0	21
14334	82.3114	160.7904	0010602	242.6194	117.5156	16.04252325	205
14374U	83 96	A	83271.71103963	.00115714	50415-5	16573-3 0	2
14374	82.3112	159.0602	0012709	236.1271	123.5496	16.05248967	229
14374U	83 96	A	83272.08511610	.00117517	50993-5	16573-3 0	3
14374	82.3094	158.6383	0013883	231.9434	128.2485	16.05465298	235
14374U	83 96	A	83272.0E511610	.00117517	50953-5	16573-3 0	4
14374	82.3094	158.6383	0013883	231.9434	128.2485	16.05465298	235
14374U	83 96	A	83272.70827914	.0032E206	49039-4	4E16C-3 0	5
14374	82.3124	157.9101	0012945	226.50E4	133.1130	16.05940706	245
14374U	83 96	A	83275.01279968	.00325036	48969-4	40920-3 0	6
14374	82.3137	155.2370	0012994	219.1017	140.9314	16.07366686	282
14374U	83 96	A	83275.01279968	.00325036	48969-4	40920-3 0	7
14374	82.3137	155.2370	0012994	219.1017	140.9314	16.07366686	282

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339U	83 97	A	83260.46048011	-	.00001675	11610-4	00000 0 0	0
339	72.8451	169.3498	0132139		86.2924	275.3364	15.97251231	0
339U	83 97	A	83260.52311472	-	.00001692	1165E-4	00000 0 0	1
339	72.8379	169.1984	0130506		87.9705	273.6739	15.56994540	1
339U	83 97	A	83260.89297373	-	.00001707	1197E-4	00000 0 0	2
339	72.8433	168.2438	0130683		87.0016	274.6577	15.53026026	7
339U	83 97	A	83261.14953707	-	.00001667	11592-4	00000 0 0	3
339	72.8681	167.6196	0130127		89.5483	271.4275	15.55830929	112
339U	83 97	A	83261.4004701	-	.00001699	1160E-4	00000 0 0	4
339	72.8214	167.1214	0114291		89.2406	277.5247	16.02825706	15
339U	83 97	A	83261.46312265	-	.00000063	00000-0	00000 0 0	5
339	72.8496	166.8909	0043190		201.3224	102.0409	19.60742370	10
339U	83 97	A	83262.24225995	-	.00019555	00000-0	22489-3 0	6
339	72.8472	165.0286	0043647		199.8044	160.5319	15.60749391	28
339U	83 97	A	83263.33191770	-	.00017389	00000-0	19999-3 0	7
339	72.8475	162.4224	0043702		197.1333	162.7364	15.60768132	45
339U	83 97	A	83273.20321785	-	.00006741	00000-0	2E017-4 0	22
339	72.8464	138.8234	0042496		174.7394	185.3973	15.60737655	199

43390	83 97	A	83263.33191770	.00017386	00000-0	19999-3 0	8
4339	72.8475	162.4224	0043702	157.1333	162.7364	15.60768132	45
43390	83 97	A	83264.03700206	.00063447	00000-0	72276-3 0	9
4339	72.8497	160.7379	0043663	195.0434	164.7571	15.60753247	56
43390	83 97	A	83264.16523153	.00006257	00000-0	72307-4 0	10
4339	72.8482	160.4319	0043526	194.9824	165.0034	15.60743172	58
43390	83 97	A	83265.12670588	.00006258	00000-0	72307-4 0	11
4339	72.8462	158.1309	0043853	192.5875	167.3498	15.60730066	73
43390	83 97	A	83265.12670588	.00006258	00000-0	72307-4 0	12
4339	72.8462	158.1309	0043853	192.5875	167.3498	15.60730066	73
43390	83 97	A	83266.21639732	.00008676	00000-0	99999-4 0	13
4339	72.8465	155.5277	0043313	190.5821	169.4100	15.60734483	90
43390	83 97	A	83267.17788119	.00008673	00000-0	99999-4 0	14
4339	72.8471	153.2304	0043080	188.2496	171.7417	15.60739297	105
43390	83 97	A	83268.26758935	.00000332	00000-0	45168-5 0	16
4339	72.8459	150.6232	0043330	185.4284	174.6835	15.60722871	122
43390	83 97	A	83269.22907192	.00000367	00000-0	49368-5 0	17
4339	72.8448	148.3242	0043243	183.1757	176.8136	15.60723770	137
43390	83 97	A	83270.19056064	.00014932	00000-0	17243-3 0	18
4339	72.8456	146.0251	0042988	181.1325	178.9801	15.60737477	152
43390	83 97	A	83271.40842064	.00005681	00000-0	65932-4 0	20
4339	72.8468	143.1132	0042359	178.1714	161.8264	15.60729632	171
43390	83 97	A	83272.36992728	.00006741	00000-0	78017-4 0	21
4339	72.8486	140.8147	0042689	176.1476	183.9707	15.60729891	186

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Galaxy 2

14365U	83 98	A	83269.19218507	-.00000227	00000-0	99999-4 0	7
14365	0.1353	290.0699	0004938	357.0442	72.8595	1.00255103	4
14366U	83 98	B	83270.00926876	.00245866	00000-0	92025-3 0	9
14366	26.6357	116.9031	0059796	137.9032	222.6163	15.83535756	66
14369U	83 98	C	83268.86992695	.00044657	00000-0	38791-2 0	3
14369	23.3326	151.3434	7352378	181.2838	174.5009	2.21737005	7

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Kosmos 1500

14372U	83 99	A	83271.39068676	.00000011	00000-0	00000 0 0	1
14372	82.5334	153.3476	0025276	277.3661	E2.4993	14.74140139	0
14372U	83 99	A	83271.66228478	.00000010	00000-0	00000 0 0	2
14372	82.5468	153.0968	0023137	274.3100	85.5605	14.73644706	5
14372U	83 99	A	83272.40918799	.00013966	00000-0	21281-2 0	3
14372	82.5439	152.4108	0022579	271.2044	88.6840	14.73665570	16
14372U	83 99	A	83274.92137549	.00000785	00000-0	10403-1 0	6
14372	82.5477	150.1036	0022889	261.8694	97.4161	14.73683598	53
14372U	83 99	A	83285.58168013	.00000930	00000-0	13604-2 0	11
14372	82.5434	140.3000	0023055	226.3063	133.6228	14.73687051	210

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1	14378U	83-100B	83272.78779329	-.00008424	58253-4	0	1	
2	14378	51.5985	281.3526	0015525	94.7004	265.5705	16.27215719	0
4377U	83100	A	83273.06555597	-.00000275	00000-0	55555-4	0	2
4377	0.2241	261.4500	0020241	255.1420	328.1430	1.01124070		1
4377U	83100	A	83272.72769212	-.00000256	00000-0	55555-4	0	2
4377	0.4683	284.9164	0021321	232.7576	202.7942	1.00839182		1

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Kosmos 1501

14380U	83101	A	83273.64650461	.00020726	00000-0	80999-3	0	4
14380	82.7163	201.6673	0011903	50.9212	309.4979	15.25681876		4
14380U	83101	A	83273.71205663	.00021244	00000-0	80999-3	0	5
14380	82.8449	201.5156	0052983	48.5484	310.8139	15.25222838		5
14380U	83101	A	83273.77781182	.00021171	00000-0	80999-3	0	6
14380	82.8112	201.4810	0052656	52.3600	308.1735	15.25125409		6
14380U	83101	A	83274.82737185	.00002580	00000-0	99999-4	0	9
14380	82.9381	200.4130	0033284	330.2148	29.7194	15.25370811		22
14380U	83101	A	83275.15537193	.00002929	00000-0	11287-3	0	10
14380	82.9379	200.1035	0033176	329.0858	30.8440	15.25373780		26
14380U	83101	A	83276.20496453	.00007942	00000-0	30828-3	0	11
14380	82.9371	199.1139	0033106	325.6637	34.2583	15.25394420		42
14380U	83101	A	83277.25454128	.00009007	00000-0	34967-3	0	12
14380	82.9381	198.1232	0033027	321.8446	38.2496	15.25413292		56
14380U	83101	A	83281.25594300	.00008083	00000-0	31314-3	0	16
14380	82.9388	194.3461	0032831	306.8335	52.9596	15.25478044		119

4380U	83101	A	83282.23987606	.00008106	00000-0	31394-3 0	17
4380	82.9384		193.4182	0032527	302.8700	56.9384 15.25493422	134
4380U	83101	A	83284.20769522	.00006679	00000-0	33589-3 0	19
4380	82.9380		191.5602	0032423	295.6941	64.1003 15.25529132	164
4380U	83101	A	83285.25718597	.00009286	00000-0	35931-3 0	20
4380	82.9379		190.5696	0032533	291.7633	68.0117 15.25547325	180

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Kosmos 1502

4395U	83102	A	83278.74606946	-	.00000158	00000-0	00000 0 0	1
4395	65.8474	174.2605	0031824	327.5284	32.3263	15.59296272	2	
4395U	83102	A	83278.74608103	-	.00000158	00000-0	00000 0 0	2
4395	65.8475	174.2604	0031810	327.2755	32.6456	15.59299155	2	
4395U	83102	A	83279.00263239	-	.00000157	00000-0	00000 0 0	3
4395	65.8455	173.4168	0031796	326.1372	33.7924	15.59335829	6	
4395U	83102	A	83280.02881166	.	.00019118	00000-0	23807-3 0	5
4395	65.8455	170.0201	0031891	327.0619	32.8593	15.59383494	22	
4395U	83102	A	83281.24735867	.	.00022239	00000-0	27541-3 0	8
4395	65.8435	165.9854	0032209	326.0772	33.8324	15.59442865	37	
4395U	83102	A	83281.24735866	.	.00021118	00000-0	26186-3 0	9
4395	65.8441	165.9858	0031885	325.8208	34.0874	15.59440526	37	
4395U	83102	A	83281.63215537	.	.00021354	00000-0	26456-3 0	10
4395	65.8442	164.7117	0031883	325.5458	34.3639	15.59457904	43	
4395U	83102	A	83282.27347429	.	.00020158	00000-0	25019-3 0	11
4395	65.8446	162.5861	0032006	325.7796	34.1264	15.59483269	53	

4395U	83102	A	83281.24735866	.00021118	00000-0	26186-3 0	9
4395	65.8441	165.9858	0031885	325.8208	34.0874	15.59440526	37
4395U	83102	A	83286.18527159	.00021417	00000-0	26324-3 0	15
4395	65.8420	149.6276	0032206	323.0598	36.8344	15.59654208	114
4395U	83102	A	83295.22546641	.00015151	00000-0	18435-3 0	31
4395	65.8417	119.6552	0032981	318.4237	41.4410	15.60062159	259
4395U	83102	A	83296.18706781	.00016012	00000-0	19435-3 0	32
4395	65.8416	116.4659	0032944	317.5944	42.2703	15.60096551	274
4395U	83102	A	83297.21275018	.00017615	00000-0	21299-3 0	33
4395	65.8415	113.0629	0033136	317.1217	42.7411	15.60138251	290
4395U	83102	A	83298.30251140	.00017483	00000-0	21110-3 0	34
4395	65.8415	109.4521	0033168	316.6412	43.2104	15.60176515	307
4395U	83102	A	83304.84056227	.00020331	00000-0	24224-3 0	45
4395	65.8426	87.7622	0034105	313.3028	46.5281	15.60410569	411
4395U	83102	A	83314.26101519	.00027458	00000-0	31988-3 0	55
4395	65.8447	56.4992	0034433	308.7731	51.0655	15.60850623	558
4395U	83102	A	83317.33645102	.00024701	00000-0	28610-3 0	58
4395	65.8439	46.2855	0035105	307.8772	51.9184	15.61012737	606
4395U	83102	A	83319.38657470	.00024551	00000-0	28340-3 0	60
4395	65.8438	39.4816	0034994	306.4813	53.2747	15.61112673	638
4395U	83102	A	83332.26185150	.00013772	00000-0	15824-3 0	75
4395	65.8445	356.7049	0035669	300.8232	58.6766	15.61498093	839

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14401U	83103	A	83285.07283039	-	.00000012	00000-0	00000	0	0	1
14401	74.0468		33.1809	0015355	357.4183	2.6847	14.27709706			1
14401U	83103	A	83285.28304155	-	.00000012	00000-0	00000	0	0	2
14401	74.0483		32.7907	0014581	355.0209	5.1993	14.27858919			4
14401U	83103	A	83285.63333314		.00058472	00000-0	23383-1	0		3
14401	74.0510		32.1564	0014196	353.1817	6.9406	14.27895218			9

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14403U	83104	A	83287.78353447	-	.00005021	34571-4	00000 0 0	3
14403	64.8698	206.9104	0102076		61.8625	300.7155	16.12823791	5
14403U	83104	A	83288.77465896		.00799090	34702-4	26756-3 0	7
14403	64.8765	203.2158	0095331		61.6242	299.4862	16.14558011	22
14403U	83104	A	83289.27025555		.00804179	35444-4	25778-3 0	8
14403	64.8784	201.3711	0093274		61.7300	299.3502	16.15373207	30
14403U	83104	A	83290.07474866		.00699043	34666-4	25778-3 0	9
14403	64.8806	198.3676	0120507		66.5518	291.3996	16.08789977	43
14403U	83104	A	83290.26181321		.00686961	34740-4	24993-3 0	10
14403	64.8787	197.6761	0119908		66.5495	294.8157	16.09042727	46
14403U	83104	A	83290.26181321		.00686961	34740-4	24993-3 0	11
14403	64.8787	197.6761	0119908		66.5495	294.8157	16.09042727	46
14403U	83104	A	83291.25583596		.00872034	34967-4	29053-3 0	12
14403	64.8797	193.9945	0115830		66.4489	295.2416	16.10692033	62
14403U	83104	A	83292.24866306		.00658972	35032-4	26573-3 0	13
14403	64.8793	190.3122	0110779		65.5537	295.1679	16.12396337	78

14403U	E3104	A	83292.55874882	.00842264	34621-4	26207-3	0	14
14403	64.8808	189.1575	0107972	66.1514	295.0803	16.12667141		83
14403U	E3104	A	83293.1785625	.01083025	35072-4	30455-3	0	15
14403	64.8803	186.8517	0105954	65.6298	295.8477	16.14229248		93
14403U	E3104	A	83293.24050219	.01021987	34664-4	28384-3	0	16
14403	64.8793	186.6196	0106053	65.6419	295.5593	16.14328726		94
14403U	E3104	A	83293.67403043	.01063586	35083-4	28384-3	0	17
14403	64.8734	185.0077	0103848	65.5568	295.1287	16.15126977		101
14403U	83104	A	83293.98357959	.01073744	34678-4	28384-3	0	18
14403	64.8815	183.8576	0102124	66.6829	294.2691	16.15548157		106
14403U	83104	A	83294.16930455	.00796628	34944-4	21011-3	0	19
14403	64.8790	183.1598	0100879	65.5623	295.5680	16.15823663		109
14403U	83104	A	83294.72618546	.00690727	35040-4	21011-3	0	20
14403	64.8569	181.0938	0130063	63.4913	289.0787	16.08711967		118
14403U	83104	A	83294.78988171	.00691563	34221-4	21011-3	0	21
14403	64.8869	180.8607	0129776	63.4614	297.9622	16.08781264		119
14403U	83104	A	83295.10065801	.00643057	34145-4	18832-3	0	22
14403	64.8786	179.7078	0128744	63.7034	297.8373	16.09335117		124
14403U	83104	A	83295.65978832	.00625599	34810-4	17656-3	0	23
14403	64.8755	177.6353	0126160	63.5473	298.0474	16.10202562		133
14403U	83104	A	83296.09443886	.00954002	34915-4	25854-3	0	24
14403	64.8774	176.0240	0123921	63.1428	298.4522	16.11001634		140
14403U	83104	A	83296.21854657	.00782208	34875-4	21094-3	0	25
14403	64.8764	175.5634	0123292	63.0453	298.3085	16.11184486		142
14403U	83104	A	83296.96312106	.01106154	34876-4	28282-3	0	26
14403	64.8735	172.7966	0118764	62.9755	298.5185	16.12564007		154

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4403U	83104	A	83297.21111701	.00907167	34858-4	22812-3 0	27
4403	64.8747		171.8776 0117518	63.0463	258.1734	16.12973160	158
4403U	83104	A	83298.14196934	.00019765	34102-4	11137-4 0	29
4403	64.8738		168.4186 0126869	79.3153	262.2162	16.05428002	173
4403U	83104	A	83298.64023704	.00020165	34485-4	11137-4 0	30
4403	64.8707		166.5805 0125357	79.2166	262.3800	16.05903507	181
4403U	83104	A	83300.00964876	.00445632	33232-4	21915-3 0	36
4403	64.8763		161.5488 0163259	77.0193	278.0855	15.97243921	203
4403U	83104	A	83300.26126713	.00364503	33780-4	16246-3 0	37
4403	64.8740		160.6328 0161918	76.6688	285.1633	15.57360779	207
4403U	83104	A	83302.01346208	.00623071	34935-4	19501-3 0	39
4403	64.8750		154.2304 0061317	79.6307	258.1575	16.17561915	235
4403U	83104	A	83302.25785744	.00764622	35218-4	23775-3 0	40
4403	64.8745		153.3122 0080567	79.1506	281.9069	16.17548092	239
4403U	83104	A	83302.65043865	.00876705	35312-4	26318-3 0	41
4403	64.8727		151.6886 0078244	79.0724	281.9547	16.18656898	246
4403U	83104	A	83303.06104516	.00687634	35225-4	15877-3 0	42
4403	64.8744		150.2999 0076586	78.8534	262.2113	16.19375406	252
4403U	83104	A	83303.2462845	.0530785	35326-4	26210-3 0	434
4403	64.8728		149.6052 0075623	78.5876	282.0650	16.15781804	255

4403U	83104	A	83304.23355983	.00987242	35043-4	24293-3	0	44
4403	64.8782	145.8791	0072197	76.5993	284.3049	16.21682677	271	
4403U	83104	A	83304.66512796	.00876784	35799-4	20922-3	0	45
4403	64.8747	144.2665	0069248	77.9727	282.8793	16.22480786	278	
4403U	83104	A	83304.66512796	.00876784	35799-4	20922-3	0	45
4403	64.8747	144.2665	0069248	77.9727	282.8793	16.22480786	278	
4403U	83104	A	83305.09646036	.0101993E	35598-4	23003-3	0	46
4403	64.8717	142.6361	0066729	77.887E	282.9635	16.23431217	285	
4403U	83104	A	83305.40441288	.0037061E	34056-4	23003-3	0	47
4403	64.8723	141.5012	0112972	119.4230	222.0175	16.04734152	290	
4403U	83104	A	83306.21784872	.0046721E	34606-4	27872-3	0	48
4403	64.8719	138.5090	0111266	119.2532	242.1323	16.05474562	303	
4403U	83104	A	83307.40094553	.0046794E	34497-4	26553-3	0	49
4403	64.8724	134.1522	0108285	118.4561	242.7268	16.06592079	322	
4403U	83104	A	83308.20998181	.00466222	34499-4	26525-3	0	50
4403	64.8705	131.1680	0106390	117.9150	243.3010	16.07379293	335	
4403U	83104	A	83309.26733423	.0048772E	34623-4	25263-3	0	51
4403	64.8700	127.2630	0104011	117.2968	243.7818	16.08393965	352	
4403U	83104	A	83310.19975889	.00495422	34638-4	24556-3	0	52
4403	64.8701	123.8141	0101622	116.8317	244.3012	16.09315707	367	
4403U	83104	A	83310.19975889	.00495422	34638-4	24556-3	0	52
4403	64.8701	123.8141	0101622	116.8317	244.3012	16.09315707	367	
4403U	83104	A	83311.25584111	.00515567	34402-4	24555-3	0	54
4403	64.8705	119.9042	009E544	116.1012	245.0050	16.10388576	384	
4403U	83104	A	83311.25584111	.00515567	34402-4	24555-3	0	55
4403	64.8705	119.9042	009E544	116.1012	245.0050	16.10388576	384	

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14403U	83104	A	83313.42760263	.00701017	34707-4	29451-3 0	58
14403	64.8699		111.8411 0089776	115.0644	246.0064	16.13204618	419
4403U	83104	A	83314.23320296	.00738341	34835-4	29257-3 0	59
4403	64.8702		108.8418 0086447	114.8206	246.1999	16.14410580	432
4403U	83104	A	83315.22389272	.00750716	35158-4	27745-3 0	60
4403	64.8680		105.1439 0082107	113.9314	247.0746	16.15898620	448
4403U	83104	A	83315.84260258	.00821937	35082-4	28522-3 0	61
4403	64.8692		102.8298 0080397	113.4628	247.4613	16.16846627	458
4403U	83104	A	83316.21365736	.00795004	35080-4	27118-3 0	62
4403	64.8678		101.4416 0078225	113.1193	247.7448	16.17396566	464
4403U	83104	A	83316.95538292	.00918392	34888-4	28950-3 0	63
4403	64.8672		98.6612 0074906	112.9403	248.2115	16.18761921	476
4403U	83104	A	83317.07889242	.00613456	34308-4	28950-3 0	64
4403	64.8665		98.2026 0107600	128.8561	228.4814	16.08729349	478
4403U	83104	A	83317.26602155	.00578124	35027-4	27076-3 0	65
4403	64.8670		97.5112 0106906	128.7298	232.3429	16.08947458	481
4403U	83104	A	83317.51462759	.00586366	34622-4	25890-3 0	66
4403	64.8679		96.5899 0106832	128.8466	232.2153	16.09223026	485
4403U	83104	A	83317.63891708	.00557846	33941-4	29863-3 0	67
4403	64.8672		96.1298 0106172	128.8032	232.2818	16.09402909	487

4403U	83104	A	83317.70105234	.00701812	34657-4	21886-3 0	68
4403	64.8685		95.9019 0105560	128.7481	232.3261	16.09507474	488
4403U	83104	A	83317.76318447	.00476516	34800-4	21817-3 0	69
4403	64.8680		95.6718 0105158	128.6449	232.4082	16.09535180	489
4403U	83104	A	83318.81901773	.00640349	35033-4	27415-3 0	71
4403	64.8671		91.7579 0101552	127.8206	233.1930	16.10890258	506
4403U	83104	A	83319.00526429	.00643335	34356-4	27415-3 0	72
4403	64.8666		91.0655 0100577	127.7543	233.2723	16.11117497	509
4403U	83104	A	83319.37763825	.00640301	34693-4	26577-3 0	73
4403	64.8673		89.6848 0099541	127.7014	233.3247	16.11600271	515
4403U	83104	A	83329.31249542	.00506619	33977-4	33214-3 0	87
4403	64.8652		52.8514 0116246	148.1122	212.7304	16.05484956	675
4403U	83104	A	83330.30877003	.00356965	34214-4	18986-3 0	88
4403	64.8620		49.1796 0113282	147.6646	212.7432	16.06423770	691
4403U	83104	A	83330.86903198	.00475442	34367-4	24343-3 0	90
4403	64.8635		47.1135 0112032	147.4675	213.4602	16.07036745	700
4403U	83104	A	83331.36678472	.00470502	34485-4	23567-3 0	91
4403	64.8657		45.2782 0110754	147.2563	213.5681	16.07520392	708
4403U	83104	A	83327.56700212	.00401352	34297-4	21824-3 0	84
4403	64.8874		59.2753 0123016	149.2259	208.3906	16.04312377	647
4403U	83104	A	83327.62989700	.00383167	33860-4	21824-3 0	85
4403	64.8659		59.0375 0121311	149.2765	211.5103	16.04131221	648
4403U	83104	A	83333.29420347	.00518367	34924-4	23952-3 0	94
4403	64.8646		38.1520 0104882	148.2122	214.6134	16.09477713	739

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4403U	83104	A	83333.54272350	.00842206	34329-4	38349-3	0	95
4403	64.8686		37.2315 0103489	145.3770	215.4607	16.09866331		743
4403U	83104	A	83333.72906230	.00655637	34438-4	29870-3	0	96
4403	64.8654		36.5407 0102305	145.9583	214.7913	16.10083897		746
4403U	83104	A	83333.79117891	.00644076	34168-4	29870-3	0	97
4403	64.8620		36.3059 0101108	145.4934	215.2375	16.10110840		747
4403U	83104	A	83334.28798371	.00570296	34483-4	25408-3	0	98
4403	64.8638		34.4690 0100403	145.8298	214.9013	16.10685059		755
4403U	83104	A	83334.59840921	.00576320	35004-4	22065-3	0	99
4403	64.8629		33.3125 0079059	143.9415	219.7604	16.16060347		760
4403U	83104	A	83336.02033376	.00725061	35375-4	24867-3	0	102
4403	64.8611		27.9899 0073585	142.9730	217.8068	16.18118858		783
4403U	83104	A	83336.26749872	.00681760	35214-4	22978-3	0	103
4403	64.8623		27.0625 0072754	142.6170	217.9665	16.18442615		787
4403U	83104	A	83337.13227677	.00753054	35275-4	23551-3	0	104
4403	64.8603		23.8161 0069328	142.9545	218.8095	16.19771236		801
4403U	83104	A	83339.11788824	.00373446	34190-4	14410-3	0	109
4403	64.8568		16.4372 0104899	138.0748	222.8064	16.11406784		833

4403U	83104	A	83339.61428967	.00731147	34283-4	26762-3 0	111
4403	64.8575		14.5920 0103532	137.6749	223.3246	16.12136629	841
4403U	83104	A	83340.60636623	.00848668	35323-4	28497-3 0	113
4403	64.8601		10.9023 0099606	137.0375	223.9813	16.13733005	857

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421U	83105	A	83292.26270743	-	.00000045	00000-0	00000 0 0	1
421	8.4341		200.9301 7272283		179.0343 183.1353		2.28780793	1
421U	83105	A	83293.13602623	-	.00000044	00000-0	00000 0 0	2
421	8.5406		200.3796 7273195		180.3166 182.3175		2.28764154	3
421U	83105	A	83293.13357232	-	.00000045	00000-0	00000 0 0	3
421	8.4318		200.4584 7273195		179.8319 180.3799		2.28778857	3
421U	83105	A	83294.43158715	-	.08000036	00000-0	99999-4 0	4
421	0.2866		256.3900 0177326		125.9663 175.9213		1.03771481	4
421U	83105	A	83294.43158715	-	.00000036	00000-0	99999-4 0	5
421	0.2866		256.3900 0177326		125.9663 175.9213		1.03771481	4
421U	83105	A	83297.77083327	.	.00000166	00000-0	99999-4 0	6
421	0.4551		267.6040 0032648		278.4480 151.8500		1.00263403	8
421U	83105	A	83297.49999999	.	.00000171	00000-0	99999-4 0	7
421	0.4611		266.9420 0051900		266.6884 58.2019		1.00619173	7

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14422U	83106	A	83293.46975658	.02636908	57577-4	88634-3 0	1
14422	51.6291		187.6588 0043731	.02636908	270.7757	16.22178801	1
14422U	83106	A	83293.53139652	.02173690	57006-4	88634-3 0	2
14422	51.4196		187.3481 0037287	101.1970	258.8771	16.20672913	2
14422U	83106	A	83293.90123080	.00555159	14742-3	88634-3 0	3
14422	51.6108		185.2141 0049160	214.8190	129.5786	16.00610503	3
14422U	83106	A	83293.96632955	.00556148	14787-3	88634-3 0	4
14422	51.6127		184.9128 0049578	214.5299	145.2113	16.00598586	4
14422U	83106	A	83294.27846760	.00023962	00000-0	38626-4 0	5
14422	51.6116		183.2401 0049880	215.2076	144.3762	16.00606169	5
14422U	83106	A	83294.71552676	.00017772	00000-0	38626-4 0	6
14422	51.6215		180.9069 0034429	215.2749	141.2695	15.96896524	6
14422U	83106	A	83295.15414998	.00046170	00000-0	97485-4 0	7
14422	51.6132		178.5821 0033777	216.0589	143.9418	15.97032595	7
14422U	83106	A	83295.21670043	.00009787	00000-0	21717-4 0	8
14422	51.6126		178.2498 0033644	216.7046	143.1602	15.97022993	8
14422U	83106	A	83295.34184756	.00009792	00000-0	21717-4 0	9
14422	51.6092		177.5820 0033787	216.9376	142.9376	15.97030946	9

14422U	83106	A	83295.52956452	.00003418	00000-0	21717-4	0	10
14422	51.5857	176.6874	0029090	274.4254	79.8954	15.77405540		34
14422U	83106	A	83296.22739592	.00003355	00000-0	21717-4	0	11
14422	51.6292	173.0660	0013939	347.0905	12.3359	15.77420081		45
14422U	83106	A	83297.11443242	.00003363	00000-0	21717-4	0	12
14422	51.6319	168.4811	0013222	348.2583	11.9364	15.77497018		59
14422U	83106	A	83298.06463985	.00034930	00000-0	20719-3	0	13
14422	51.6306	163.5720	0013668	352.2926	7.8378	15.77563595		74
14422U	83106	A	83300.02828762	.00052728	00000-0	30833-3	0	15
14422	51.6314	153.4326	0011999	356.8231	3.2535	15.77723464		105
14422U	83106	A	83302.24514696	.00052723	00000-0	30833-3	0	16
14422	51.6272	141.9823	0012816	8.9474	350.9600	15.77706743		140
14422U	83106	A	83303.38526678	.00248695	00000-0	14008-2	0	21
14422	51.6296	136.0990	0012817	12.2759	347.7129	15.77817007		158
14422U	83106	A	83305.15868304	.00057759	00000-0	33569-3	0	23
14422	51.6238	126.9417	0014344	24.6231	335.1175	15.77777094		186
14422U	83106	A	83306.29878498	.00057848	00000-0	33569-3	0	24
14422	51.6272	121.0498	0013665	26.8219	333.0684	15.77821391		204
14422U	83106	A	83307.31216766	.00058167	00000-0	33569-3	0	25
14422	51.6288	115.8152	0013455	30.2282	329.9956	15.77955982		220
14422U	83106	A	83308.19875455	.00058368	00000-0	33569-3	0	26
14422	51.6339	111.2369	0013343	24.6847	335.8709	15.78025301		234
14422U	83106	A	83309.14865308	.00036546	00000-0	20508-3	0	27
14422	51.6271	106.3203	0011447	24.8399	337.5942	15.78821338		249

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14422U	83106	A	83310.22428450	.00036715	00000-0	20508-3 0	28
14422	51.6328		100.7644 0013879	24.3340	33517999	15.78880038	266
14422U	83106	A	83311.17366721	.00036806	00000-0	20508-3 0	29
14422	51.6246		95.8459 0011853	34.3197	325.9595	15.78568349	281
14422U	83106	A	83313.45194653	.00037584	00000-0	20508-3 0	32
14422	51.6385		84.0643 0024078	11.1662	348.9136	15.79092287	317
14422U	83106	A	83314.27464586	.00037296	00000-0	20508-3 0	33
14422	51.6250		79.8053 0011679	41.7943	318.8490	15.79260516	330
14422U	83106	A	83314.84405941	.00037414	00000-0	20508-3 0	35
14422	51.6286		76.8478 0011156	47.3274	31219144	15.79333668	339
14422U	83106	A	83315.91969772	.00036607	00000-0	19988-3 0	36
14422	51.6279		71.2752 0011502	50.9666	20912251	15.79421539	356
14422U	83106	A	83317.94433898	.00078207	00000-0	41729-3 0	43
14422	51.6267		60.7948 0011228	55.7953	204.8454	15.79610783	9064
14422U	83106	A	83318.32394427	.00078358	00000-0	41729-3 0	44
14422	51.6288		58.8294 0010982	59.2652	305.5375	15.79667981	9070
14422U	83106	A	83318.57687903	.00044635	00000-0	23959-3 0	45
14422	51.6299		57.5161 0011146	58.3505	301.8407	15.79710922	9074

144220	83106	A	83319.14621141	.00043731	C0000-0	23959-3 0	46
14422	51.6252		54.5648 0010018	69.2282	250.7003	15.79287989	9083
144220	83106	A	83319.39923966	.00078153	C0000-0	34736-3 0	47
14422	51.6221		53.2367 0009263	78.1146	264.8546	15.83581036	9087
144220	83106	A	83319.39923566	.00078153	C0000-0	34736-3 0	48
14422	51.6221		53.2367 0009263	78.1146	264.8546	15.83581036	411
144220	83106	A	83319.52456279	.00078376	C0000-0	34736-3 0	49
14422	51.6226		52.5827 0008806	70.5584	289.6363	15.83646938	413
144220	83106	A	83319.71426830	.00059136	C0000-0	34736-3 0	50
14422	51.6214		51.6058 0036054	108.7455	247.2179	15.76718400	416
144220	83106	A	83320.28461081	.02045565	C0000-0	78068-2 0	54
14422	51.6262		48.6729 0018186	121.8734	238.6180	15.81827665	9101

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4425U	83107	A	83294.62373435	-	.00001680	11618-4	00000	0	0	1
4425	72.8775		216.6147	0108944	84.4990	277.7637	16.0237	2763		2
4425U	83107	A	83295.24899182	-	.00000061	00000-0	00000	0	0	3
4425	72.8850		215.0391	0042653	211.3681	137.1351	15.6074	5677		12
4425U	83107	A	83295.76380241		.0000947E	00000-0	11020-3	0		4
4425	72.8837		213.8127	0042189	210.2080	149.6442	15.6074	1913		20
4425U	83107	A	83296.21249568		.0000E667	00000-0	99999-4	0		5
4425	72.8844		212.7415	0042721	209.3847	150.4794	15.6073	9399		27
4425U	83107	A	83297.17397361		.00003944	00000-0	45953-4	0		6
4425	72.8852		210.4485	0042860	206.4989	153.3178	15.6072	7609		42
4425U	83107	A	83298.19957275		.0000867E	00000-0	99999-4	0		7
4425	72.8838		208.0034	0043431	203.3852	156.5046	15.6073	2453		58
4425U	83107	A	83299.22515643		.000086E3	00000-0	99999-4	0		9
4425	72.8839		205.5551	0042594	202.8745	156.9562	15.6073	2677		74
4425U	83107	A	83300.18665360		.00205871	00000-0	23125-2	0		10
4425	72.8838		203.2611	0042746	199.8267	159.9964	15.6072	2450		89
4425U	83107	A	83300.37857050		.0020E471	00000-0	23125-2	0		11
4425	72.8814		202.8015	004202E	200.6097	159.2571	15.6071	1606		92

4425U	83107	A	83301.01992354	.00380642	00000-0	41841-2 0	12
4425	72.8840	201.2764	0044719	197.9150	161.7479	15.60787455	102
4425U	83107	A	83301.01992354	.00380642	00000-0	41841-2 0	13
4425	72.8840	201.2764	0044719	197.9150	161.7479	15.60787455	102
4425U	83107	A	83302.23787756	.00026043	00000-0	29999-3 0	15
4425	72.8829	198.3663	0042420	195.6909	164.2175	15.60711386	121
4425U	83107	A	83303.39166615	.00003070	00000-0	36025-4 0	16
4425	72.8824	195.6143	0042105	192.8840	167.1040	15.60654775	139
4425U	83107	A	83303.77630949	.00227974	00000-0	25667-2 0	17
4425	72.8792	194.6959	0041327	191.9417	168.0486	15.60672178	145
4425U	83107	A	83304.16090287	.00000232	00000-0	33820-5 0	18
4425	72.8839	193.7788	0041978	191.0715	168.8793	15.60689405	151
4425U	83107	A	83305.25062924	.00000076	00000-0	16328-5 0	19
4425	72.8841	191.1801	0041850	188.7544	171.2849	15.60687929	168
4425U	83107	A	83306.21214291	.00000075	00000-0	16328-5 0	20
4425	72.8847	188.8831	0041444	186.3630	173.6825	15.60679380	183
4425U	83107	A	83307.36596780	.00000080	00000-0	16299-5 0	21
4425	72.8848	186.1338	0041582	183.5280	176.5746	15.60682551	201

83-108A

Kosmos 1506

14450U	83108	A	83299.99943048	.0000000E	00000-0	00000 0 0	2
14450	82.9237		322.4085	0043327	294.0007	65.6561 13.74798439	3
4450U	83108	A	83301.01833735	.00000568	00000-0	55555-3 0	3
4450	82.9311		321.6565	0042162	289.0798	70.6142 13.74808541	17
4450U	83108	A	83301.01833735	.00000568	00000-C	55555-3 0	4
4450	82.9311		321.6565	0042162	289.0798	70.6142 13.74808541	17

83-109A

Meteor 2-10

14452U	83109	A	83301.36585702	.00000006	00000-0	00000 0 0	1
14452	81.1451	195.1923	0096256	265.7741	93.0308	14.22847734	0
14452U	83109	A	83301.71784921	.00000006	00000-0	00000 0 0	2
14452	81.1647	194.8279	0094691	261.5526	97.0497	14.21500798	5
14452U	83109	A	83302.25133540	.00000020	00000-0	43205-2 0	3
14452	81.1663	194.1956	0094912	260.1763	98.8688	14.21518044	14
14452U	83109	A	83305.09645400	.00009917	00000-0	43209-2 0	4
14452	81.1666	191.4491	0094817	252.2777	106.8025	14.21516671	53
14452U	83109	A	83305.09645415	.00009917	00000-0	43209-2 0	5
14452	81.1688	191.4491	0094780	252.2799	106.8013	14.21514711	53
14452U	83109	A	83313.61337155	.00000126	00000-0	52601-4 0	9
14452	81.1651	182.9246	0094820	227.6879	131.6236	14.21509792	174
14452U	83109	A	83316.85121116	.00000181	00000-0	76332-4 0	11
14452	81.1639	179.6830	0094925	218.2274	141.2144	14.21511234	220

83-110A

Kosmos 1507

4455U	83110	A	83302.41139720	-	.00005833	40285-4	00000 0 0	1
4455	61.6063	201.1132	0461764	150.9539	220.9547	15.75542769	1	
4455U	83110	A	83302.47216974	.	.29688065	34063-4	48412-3 0	3
4455	65.0301	199.1001	0212846	52.5113	309.5332	16.07411388	2	
4455U	83110	A	83302.59627387	.	.00021094	00000-0	44731-3 0	4
4455	65.0654	198.7735	0007436	260.7768	32.9565	15.45068675	4	
4455U	83110	A	83302.73405242	.	.00004619	00000-0	59999-4 0	5
4455	65.0583	198.3118	0006750	270.8115	89.2254	15.44573055	6	
4455U	83110	A	83303.44609450	.	.02455847	00000-0	37874-1 0	6
4455	65.0624	195.9343	0006439	278.0401	81.9466	15.45054646	17	
4455U	83110	A	83303.76974667	.	.02210120	00000-0	37874-1 0	8
4455	65.0594	194.8515	0006352	265.1590	92.9756	15.42738185	22	
4455U	83110	A	83303.96439772	.	.02213036	00000-0	37874-1 0	9
4455	65.0660	194.2085	0005882	279.7489	80.0213	15.42763507	25	
4455U	83110	A	83304.15887830	.	.02211940	00000-0	37874-1 0	10
4455	65.0619	193.5584	0006279	267.7039	92.0915	15.42756027	28	
4455U	83110	A	83307.46515140	.	.00060378	00000-0	13443-2 0	18
4455	65.0665	182.5549	0006563	281.1368	79.1056	15.43246891	79	

14455U	83110	A	83307.65952452	.00001556	00000-0	13443-2 0	19
14455	65.0614		181.9084 0009300	280.8196	79.4310	15.43793885	82
14455U	83110	A	83310.25107690	.0001706E	00000-0	38290-3 0	23
14455	65.0602		173.2689 0008936	273.0304	87.0317	15.43481597	122
14455U	83110	A	83311.22258395	.00003370	00000-0	77522-4 0	25
14455	65.0605		170.0310 0008711	275.0299	84.9676	15.43471427	137
14455U	83110	A	83313.42599799	.0000134E	00000-0	32696-4 0	27
14455	65.0605		162.6920 0008542	274.0475	85.9767	15.43471405	171
14455U	83110	A	83314.20352663	.00004287	00000-0	10070-3 0	28
14455	65.0597		160.0989 0008685	274.6656	85.3683	15.43482012	183
14455U	83110	A	83317.24900213	.0001618E	00000-0	36456-3 0	34
14455	65.0606		149.9530 0009009	278.8332	86.5321	15.43402088	230
14455U	83110	A	83317.89699517	.0005765E	00000-0	12765-2 0	35
14455	65.0616		147.7927 0009203	273.4854	86.4370	15.43407984	240
14455U	83110	A	83320.74810224	.00002114	00000-0	49817-4 0	41
14455	65.0604		138.2940 0008952	275.5564	84.4109	15.43394946	284
14455U	83110	A	83324.31195030	.0000114E	00000-0	28277-4 0	46
14455	65.0600		126.4172 0009017	277.8466	82.1432	15.43405286	339
14455U	83110	A	83331.43951389	.000043E7	00000-0	99999-4 0	57
14455	65.0611		102.6664 0009499	281.8780	78.0718	15.43457068	449
14455U	83110	A	83347.24994464	.0000144E	00000-0	35016-4 0	74
14455	65.0633		49.9872 0009863	286.4224	73.5917	15.43415932	693
14455U	83110	A	83352.49844863	.00000052	00000-0	17499-5 0	79
14455	65.0628		32.4975 0010209	289.1034	70.9118	15.43422613	774

83-110A

Kosmos 1507

forts. 1

4455U	83110	A	84	3.30893690	.00001965	00000-0	46502-4	0	99
4455	65.0615	339.8115	0009923	281.3320	78.6864	15.43412546	1018		
4455U	83110	A	84	45.42665389	.00004329	00000-0	10191-3	0	143
4455	65.0578	199.4678	0010757	287.6846	72.0211	15.43372177	1668		

83-111A

Kosmos 1508

14483U	83111	A	83316.26745533	.00000012	00000-0	00000 0 0	4
14483	82.9223	265.0969	1036077	128.0815	241.8425	13.21015988	10
14483U	83111	A	83316.04022033	.00000012	00000-0	00000 0 0	3
14483	82.9206	265.2512	1036722	128.7128	241.1579	13.21072918	7
14483U	83111	A	83318.76703738	.00003412	00000-0	34322-3 0	6
14483	82.9222	263.3708	1035902	121.6145	249.0330	13.21030276	43

83-112A

Kosmos 1509

Ned: 1 dec. 83

4490U	83112	A	83321.56421378	-	.00001742	12203-4	00000	0	0	1
4490	72.8669	244.5503	0064874		88.7074	272.1595	16.12602828			1
4490U	83112	A	83321.99849709	-	.00001772	12384-4	00000	0	0	2
4490	72.8528	243.4220	0065103		88.0512	272.8562	16.12595093			8
4490U	83112	A	83322.06052884	-	.00001742	12112-4	00000	0	0	3
4490	72.8631	243.2842	0067575		75.1762	265.5505	16.12548531			9
4490U	83112	A	83322.18463384	-	.00000158	00000-0	00000	0	0	4
4490	72.8559	242.9419	0049029		75.6035	264.6233	16.05824618			11
4490U	83112	A	83323.30600408		.00185172	18303-4	22234-3	0		6
4490	72.8554	240.0775	0048512		72.4099	287.8519	16.05969415			29
4490U	83112	A	83323.99124991		.00180367	16964-4	21103-3	0		7
4490	72.8546	238.3268	0048600		71.4277	288.8993	16.06035094			40
4490U	83112	A	83324.17817631		.00062716	00000-0	72488-4	0		8
4490	72.8551	237.8510	0048545		70.5963	290.0357	16.06044766			43

4490U	83112	A	83329.22288880	.00049422	00000-0	55680-4 0	14
4490	72.8520		224.9595 0047525	57.9799	302.5808	16.06573850	124
4490U	83112	A	83329.47197318	.00138902	11176-4	15674-3 0	15
4490	72.8509		224.3208 0048132	56.9362	303.6574	16.06643180	128
4490U	83112	A	83329.78330240	.00161922	14156-4	18343-3 0	136
4490	72.8514		223.5237 0047708	57.1155	303.3889	16.06613638	139
4490U	83112	A	83330.21917931	.00098371	67730-5	11127-3 0	17
4490	72.8527		222.4697 0047232	55.6540	304.9178	16.06727594	140
4490U	83112	A	83331.09088890	.00077237	00000-0	91296-4 0	19
4490	72.8541		220.1810 0045615	57.4444	303.1274	16.05946914	154
490U	83112	A	83331.40240434	.00230847	26207-4	26493-3 0	20
490	72.8610		219.3823 0052348	55.7653	304.8691	16.05917748	159
490U	83112	A	83332.14987100	.00093608	61922-5	11215-3 0	21
490	72.8544		217.4743 0045754	54.9157	305.3754	16.06005519	171
4490U	83112	A	83332.14991598	.00058514	00000-0	69178-4 0	22
4490	72.8558		217.4747 0045790	55.6707	304.8784	16.05983346	171
4490U	83112	A	83333.20886508	.00052119	00000-0	61349-4 0	23
4490	72.8551		214.7699 0045604	53.8764	307.4108	16.06086853	188
4490U	83112	A	83334.26775828	.00064204	00000-0	74805-4 0	24
4490	72.8550		212.0658 0045318	49.7215	310.8973	16.06232869	205

83-113A

DMSP 2-02

4506U	83113	A	83322.31762173	-	.00000019	00000-0	00000	0	0	1
4506	98.7459		209.2752		0008400	18.3023	241.8969	14.1800	7067	0
4506U	83113	A	83322.45844830	-	.00000019	00000-0	00000	0	0	3
4506	98.7370		209.3784		0011747	247.1820	112.8119	14.2067	9990	2
4506U	83113	A	83323.16274442	-	.00000019	00000-0	00000	0	0	5
4506	98.7411		210.0732		0011836	245.5643	114.4117	14.2064	7164	13
4506U	83113	A	83323.72618753	-	.00001861	00000-0	88141-3	0	0	7
4506	98.7406		210.6303		0011955	243.2414	116.7546	14.2065	1832	21
4506U	83113	A	83324.78263950	-	.00001861	00000-0	88141-3	0	0	8
4506	98.7390		211.6748		0012005	239.2515	120.7541	14.2064	4963	36
4506U	83113	A	83331.05090418	-	.0000004E	00000-0	31287-4	0	0	15
4506	98.7381		217.8725		0012063	221.6142	138.4127	14.2065	2553	125

83-114A

Molniya 1 BL

1	14516U	93 114A	83332.62580123	0.00000422					19
2	14516	62.8008	262.6597	7393647	280.1114	11.1356	2.05058178		11

83-115A

Kosmos 1510

4521U	83115	A	83328.74749704	-	.00000007	00000-0	00000	0	0	3
4521	73.6205		257.6471		0029140	280.4348	79.3412	12.41027758		0
1	14521U	83 115A	83331.48815728	-	.00000007			0		9
2	145277		73.6176		253.9765	0028636	276.6447	83.1343	12.40974426	37
4521U	83115	A	83346.15876009	-	.00000007	00000-0	00000	0	0	12
4521	73.6180		234.3311		0028627	256.4160	103.3695	12.40974250		219

83-116A

STS-9

Columbia (Spacelab 1)

Wed: 8 Dec. (GMT)

1	14523U	83-116A		83332.74999954	0.00371464	75251-4	40999-3 0	2	
2	14523			57.0152	205.8000	0008923	265.8141 231.8823	16.09078670	1
1	14523U			83332.97472667	0.00381968	80634-4	40999-3 0	3	
2	14523			57.0178	205.7363	0008571	274.5553 85.5423	16.09513402	5
1	14523U	83116	A	83333.08333287	0.00381777	80364-4	40999-3 0	4	
2	14523			57.0186	205.2219	0008269	277.7736 351.8360	16.09510350	6
1	14523U			83333.22314183	0.00296967	51022-4	31755-3 0	5	
2	14523			57.0178	204.5568	0008549	272.1998 87.8053	16.09594417	8
4523U	83116	A		83333.22314182	.00296967	51022-4	31755-3 0	5	
4523				57.0178	204.5568	0008549	272.1998 87.8053	16.09594437	8
4523U	83116	A		83333.40945148	.00298057	51262-4	31755-3 0	6	
4523				57.0169	203.6742	0009818	317.1003 42.7614	16.09620607	11
4523U	83116	A		83333.59578651	.00294794	50203-4	31755-3 0	7	
4523				57.0211	202.7923	0008415	275.8168 84.0305	16.09484667	14

4523U	83116	A	83333.96844508	.00300907	52195-4	31755-3	0	8
4523	57.0197		201.0215	0007887	273.8704	87.0596	16.09804922	20
4523U	83116	A	83333.99291666	.00385016	83756-4	40999-3	0	91
4523	57.0189		200.9062	0007990	275.9426	226.0565	16.09804670	20.
4523U	83116	A	83334.40306352	.00393510	85766-4	40999-3	0	10
4523	57.0191		198.9583	0007560	293.665E	66.1657	16.09983663	27
4523U	83116	A	83334.52727389	.00391737	85080-4	40999-3	0	11.
4523	57.0164		198.3700	0007543	281.1624	78.7823	16.09916558	29
1	14523U		83335.58237272	0.00420703	99364-4	40999-3	0	168
2	14523	57.0220	193.3563	0008956	298.8016	61.0789	16.10962701	447
1	14523U		83335.76854430	0.00424168	10134-3	40999-3	0	176
2	14523	57.0221	192.4700	0009773	297.2709	62.7039	16.11067700	511
1	14523U		83335.99999954	0.00421547	99784-4	40999-3	0	180
2	14523	57.0209	191.3682	0008641	297.2424	325.5708	16.10999060	549
1	14523U		83336.38901981	0.00426190	10231-3	40999-3	0	196
2	14523	57.0199	189.5183	0008493	304.8290	54.9751	16.11166048	604
4523U	83116	A	83335.99999953	.00421547	99784-4	40999-3	0	18
4523	57.0209		191.3682	0008641	297.2424	225.5708	16.10999064	54
4523U	83116	A	83336.69925502	.0042755E	10311-3	40999-3	0	20
4523	57.0134		188.0473	0007644	302.3733	57.4318	16.11230257	65
4523U	83116	A	83337.00949537	.004319E9	10539-3	40999-3	0	21
4523	57.0220		186.5690	0008316	294.6977	65.3241	16.11370581	70

83-116A

STS-9

Columbia (Spacelab 1)

4523U	83116	A	83338.97916666	.00466772	12541-3	40999-3 0	26
4523	57.0193		177.1893 0004958	297.1690	339.3160	16.12567472	102
4523U	83116	A	83339.61349022	.00481172	13409-3	40999-3 0	27
4523	57.0191		174.1651 0004531	313.5410	46.3587	16.13014638	112
4523U	83116	A	83339.96874999	.00488920	13900-3	40999-3 0	28
4523	57.0174		172.4701 0004930	318.1487	305.6209	16.13242952	117
4523U	83116	A	83340.17120680	.00491756	14090-3	40999-3 0	29
4523	57.0122		771.5051 0004913	303.9190	56.1000	16.13325632	120
4523U	83116	A	83340.48099110	.00496927	14428-3	40999-3 0	30
4523	57.0178		170.0271 0004797	326.6169	33.2844	16.13478462	125
4523U	83116	A	83340.48099110	.00496927	14428-3	40999-3 0	31
4523	57.0178		170.0271 0004797	326.6169	33.2844	16.13478462	126
4523U	83116	A	83340.79076885	.00225868	35279-4	18669-3 0	32
4523	57.0155		168.5445 0004883	323.7032	36.1659	16.13524775	131
4523U	83116	A	83341.08333287	.00504132	14899-3	40999-3 0	34
4523	57.0138		167.1505 0005345	325.4116	294.5644	16.13678400	134
4523U	83116	A	83341.08333287	.00504132	14899-3	40999-3 0	33
4523	57.0138		167.1505 0005345	325.4116	294.5644	16.13678400	135
4523U	83116	A	83341.54513842	.00514032	15580-3	40999-3 0	35
4523	57.0145		164.9430 0005229	326.0821	57.8974	16.13959496	141

45230	83116	A	83341.84379992	.00564047	18867-3	44754-3 0	36
4523	57.0202		163.5174	0005511	328.1132	31.7371 16.14033381	146
45230	83116	A	83341.84379992	.00564047	18867-3	44754-3 0	37
4523	57.0202		163.5174	0005511	328.1132	31.7371 16.14033381	148
45230	83116	A	83342.02962888	.00567788	19136-3	44754-3 0	38
4523	57.0179		162.6284	0005540	331.9467	28.0631 16.14126488	151
45230	83116	A	83342.89663719	.00525986	16699-3	40999-3 0	42
4523	57.0194		158.4908	0005879	313.0670	46.9720 16.14386633	164

83-117A

Kosmos 1511

1	14530U		83334.75072688	-.00004059	27987-4		0	16
2	14530	67.0547	261.1282	0105989	66.3614	296.6594	16.07229805	16
1	14530U		83334.93739604	-.00003996	27487-4		0	29
2	14530	67.1409	260.4759	0129337	70.6868	290.9100	16.06047344	45
1	14530U		83335.12420978	-.00004067	28235-4		0	35
2	14530	67.1430	259.8501	0128498	70.7543	290.8885	16.06305027	71
1	14530U		83335.31098417	-.00004064	28168-4		0	48
2	14530	67.1410	259.2164	0128276	70.5950	290.9885	16.06462431	100
1	14530U		83335.31098417	-.00004064	28168-4		0	59
2	14530	67.1410	259.2164	0128276	70.5950	290.9885	16.06462431	122
1	14530U		83335.80897114	0.00332064	27746-4	13101-3	0	69
2	14530	67.1397	257.5407	0126872	70.0088	291.5738	16.06975913	201
1	14530U		83336.19236352	0.00510637	27849-4	19640-3	0	75
2	14530	67.1454	256.2822	0125716	69.9025	291.7166	16.07417202	262
1	14530U		83336.24455864	0.00547157	27836-4	20982-3	0	88
2	14530	67.1437	256.0718	0125467	69.6969	291.7667	16.07491374	271

4530U	83117	A	83336.61782932	.00511517	28015-4	19422-3	0	9
4530	67.1440		254.8120 0124182	69.2955	292.0910	16.07851214		33
4530U	83117	A	83340.84183762	.00915312	28389-4	27485-3	0	15
4530	67.1428		240.5009 0110484	65.5879	295.7270	16.12797179		101
4530U	83117	A	83341.15184921	.00729329	27623-4	27485-3	0	16
4530	67.1410		239.4484 0136459	73.3055	281.4133	16.05429959		106
4530U	83117	A	83341.21533969	.00349626	27888-4	13331-3	0	17
4530	67.1371		239.2356 0135976	73.2882	288.3190	16.05471976		107
4530U	83117	A	83341.71366996	.00460226	27374-4	16935-3	0	18
4530	67.1371		237.5581 0134768	72.6515	289.1707	16.06036361		115
4530U	83117	A	83344.07801448	.00906436	28116-4	29430-3	0	21
4530	67.1386		229.5763 0126673	70.7037	290.6476	16.08836802		153
4530U	83117	A	83344.26452015	.00562894	27857-4	18341-3	0	22
4530	67.1379		228.9444 0125752	70.6222	290.8866	16.09013811		156
4530U	83117	A	83345.01026575	.01101315	27885-4	32936-3	0	23
4530	67.1431		226.4183 0124238	69.7765	291.7972	16.10092819		168
4530U	83117	A	83345.44509649	.00763486	28154-4	22731-3	0	24
4530	67.1376		224.9444 0121457	69.2849	292.6960	16.10709538		175
4530U	83117	A	83346.25192777	.00809436	28100-4	22781-3	0	25
4530	67.1379		222.2077 0117774	68.5472	292.7548	16.11967442		188
4530U	83117	A	83347.05822029	.01022132	28778-4	26577-3	0	26
4530	67.1329		219.4621 0113364	67.9421	293.6495	16.13564421		201
4530U	83117	A	83347.24410725	.01057498	28415-4	27127-3	0	27
4530	67.1348		218.8302 0111777	67.2721	294.0706	16.14001660		204

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4530U	83117	A	83347.42998206	.00941715	28299-4	23813-3	0	28
4530	67.1337	218.2046	0110491	67.3516	293.9960	16.14390848		207
4530U	83117	A	83348.29688139	.00899086	27940-4	21071-3	0	29
4530	67.1379	215.2377	0106199	66.7518	294.2525	16.15925659		221
4530U	83117	A	83348.79154269	.01003095	28479-4	22518-3	0	30
4530	67.1405	213.5470	0103502	66.0693	295.1064	16.16835832		229
4530U	83117	A	83348.97750528	.00520783	27684-4	22518-3	0	31
4530	67.1398	212.9139	0132361	66.3211	270.4453	16.04912258		232
4530U	83117	A	83349.22760554	.00503392	27289-4	21786-3	0	32
4530	67.1394	212.0711	0130761	86.0762	275.5967	16.05224533		236
4530U	83117	A	83349.66368885	.00505873	27683-4	22112-3	0	33
4530	67.1312	210.6047	0128025	85.1979	276.3864	16.05667876		243
4530U	83117	A	83350.09966093	.00503702	28146-4	21050-3	0	34
4530	67.1382	209.1362	0128107	85.0667	276.4991	16.06110344		250
4530U	83117	A	83350.41099944	.00437727	28032-4	18292-3	0	35
4530	67.1354	108.0888	0126862	84.9168	276.6176	06.06370830		255
4530U	83117	A	83350.66004092	.00485285	27935-4	19632-3	0	36
4530	67.1368	207.2470	0127086	84.7590	276.8499	16.06644239		259
4530U	83117	A	83350.90902554	.00495345	27829-4	19746-3	0	38
4530	67.1377	206.4062	0126656	84.3194	277.2113	16.06875254		263

300	83117	A	83351.28244975	.00474665	27935-4	18687-3	0	39
30	67.1356	205.1469	0125508	84.0376	277.5080	16.07232072		269
300	83117	A	83352.15344248	.00480535	28180-4	18265-3	0	40
30	67.1354	202.2037	0123112	83.1697	278.2935	16.08057970		283
300	83117	A	83352.46441249	.00485767	27652-4	18265-3	0	41
30	67.1352	201.1543	0122071	82.7282	278.7910	16.08369401		288
300	83117	A	83354.20461408	.00588085	28253-4	19954-3	0	43
30	67.1340	195.2616	0117086	80.9868	280.5727	16.10349793		316
300	83117	A	83355.13589420	.00897978	28094-4	27719-3	0	44
30	67.1391	192.1047	0115466	80.6230	280.6962	16.11556291		331
300	83117	A	83355.81852074	.00552524	28314-4	17152-3	0	45
30	67.1328	189.7842	0112290	79.2822	282.0249	16.12154048		342
300	83117	A	83356.19072497	.00573649	28635-4	17471-3	0	46
30	67.1338	188.5187	0111050	78.8983	282.4582	16.12577328		348
45300	83117	A	83356.93481108	.00718987	28125-4	20707-3	0	47
4530	67.1349	185.9844	0108512	78.1652	283.3072	16.13588875		360
45300	83117	A	83357.24466731	.00629221	27875-4	18122-3	0	48
4530	67.1347	184.9311	0106728	78.6342	282.6579	16.13942858		365
45300	83117	A	83358.17389874	.00680365	28450-4	18122-3	0	49
4530	67.1348	181.7596	0103362	76.7120	284.9826	16.15324442		380
45300	83117	A	83358.35956360	.00715668	28639-4	18916-3	0	50
4530	67.1345	181.1244	0102319	76.5540	284.7031	16.15595384		383
45300	83117	A	83358.85471566	.00748425	28608-4	18916-3	0	51
4530	67.1372	179.4328	0100387	76.2346	285.0159	16.16379956		391

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parts 2

4530U	83117	A	83358.97846100	.00169546	90005-5	18916-3	0	52
4530	67.1331		179.0057 0126503	119.7319	234.1858	15.95070287		393
4530U	83117	A	83359.16787177	.00340614	27734-4	18916-3	0	53
4530	67.1349		178.3871 0141488	126.5877	237.2172	16.00511902		396
4530U	83117	A	83359.35492656	.00440271	27023-4	24141-3	0	54
4530	67.1354		177.7613 0141137	126.4121	235.0394	16.00688865		399
4530U	83117	A	83360.97886109	.00386051	27440-4	20371-3	0	56
4530	67.1335		172.3302 0136742	124.7351	236.6571	16.01990896		425
4530U	83117	A	83361.35343356	.00419461	27399-4	21674-3	0	57
4530	67.1355		171.0737 0136163	124.3677	237.0801	16.02321051		431
4530U	83117	A	83362.22711838	.00430413	27613-4	21851-3	0	58
4530	67.1345		168.1422 0133371	123.4219	237.9375	16.03061102		446
1 14530U			83363.34984085	.00423038	27142-4	20979-3	0	59
2 14530	67.1351		164.3734 0129945	122.2804	239.1407	16.04041290		463
1 14530U			83363.72392107	.00427111	27023-4	20979-3	0	60
2 14530	67.1355		163.1153 0129944	122.2837	239.3404	16.04339574		460
1 14530U			83364.22259938	.00413626	27333-4	19798-3	0	61
2 14530	67.1359		161.4418 0127944	121.4932	239.8797	16.04758286		477

1	14530U			83364.72114191	0.00319125	28235-4	23846-3	0	62
2	14530	67.0680	159.7396	0083175	150.5229	212.2009	16.07684064		485
1	14530U			83364.84542696	0.01354063	28004-4	44935-3	0	64
2	14530	67.1381	159.3442	0129593	129.0500	232.2204	16.08024478		487
1	14530U			83365.21850507	0.01079926	28365-4	35440-3	0	66
2	14530	67.1357	158.0800	0126323	128.5538	232.5215	16.08799052		493
1	14530U			83365.59145830	0.00628063	28414-4	20416-3	0	67
2	14530	67.1351	156.8203	0125207	128.1133	232.6928	16.09139919		499
1	14530U			83365.90227962	0.00675253	28379-4	21346-3	0	68
2	14530	67.1347	155.7667	0123904	127.5513	233.7297	16.09662151		504
1	14530U			84.1.21289709	0.00722891	28182-4	22489-3	0	69
2	14530	67.1345	154.7140	0122356	127.4097	233.8596	16.10120535		509
4530U	83117	A 84	1.95806191		.00790615	27908-4	23626-3	0	70
4530	67.1331	152.1884	0118323		126.3624	234.9924	16.11300432		521
4530U	83117	A 84	2.26835520		.00796227	28442-4	23358-3	0	71
4530	67.1328	151.1346	0116688		126.0629	235.1501	16.11799758		526
4530U	83117	A 84	2.64060689		.01082620	28802-4	30417-3	0	72
4530	67.1328	149.8661	0114480		125.8583	235.5206	16.12628856		532
4530U	83117	A 84	3.26053048		.00801841	28386-4	21789-3	0	73
4530	67.1347	147.7523	0110250		124.7051	236.3694	16.13786298		542
4530U	83117	A 84	4.43742105		.00539351	26847-4	21789-3	0	74
4530	67.1317	143.7725	0212326		112.7515	226.1128	15.88621112		561
4530U	83117	A 84	4.44153315		.00536034	26940-4	21789-3	0	75
4530	67.1279	143.7579	0212131		112.8820	249.4963	15.88608052		561

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1	14530U		84	5.32268979	0.00764389	26621-4	30487-3	0	76
2	14530	67.1295	140.8617	0206973	111.7207	250.9664	15.89893317		575
1	14530U		84	5.32262839	0.00709985	26765-4	28313-3	0	77
2	14530	67.1314	140.8584	0207260	111.8135	250.5140	15.89835930		575
4530U	83117	A 84	5.76291715	.00836451	27493-4	32185-3	0		78
4530	67.1319	139.4082	0205260	111.8576	251.0885	15.90592432			582
4530U	83117	A 84	5.95151847	.00768767	27399-4	29560-3	0		79
4530	67.1310	138.7859	0204076	111.2096	251.0783	15.90861612			585
4530U	83117	A 84	6.01439073	.00765095	26859-4	29560-3	0		80
4530	67.1310	138.5810	0203761	111.0321	251.2484	15.90886976			586
4530U	83117	A 84	6.26300003	.17903799	28415-4	47728-2	0		81
4530	67.1281	137.7425	0118679	109.2915	248.9738	16.12238978			590
4530U	83117	A 84	6.38741718	.20467468	28066-4	47728-2	0		82
4530	67.0813	137.2685	0125108	108.7210	251.4129	16.12118283			5921
4530U	83117	A 84	6.38764945	.19239134	28391-4	47728-2	0		84
4530	67.0846	137.2694	0121323	107.9299	253.5182	16.12349191			592
4530U	83117	A 84	7.31793082	.00809286	28299-4	21099-3	0		89
4530	67.1313	134.1565	0112903	107.3256	254.1825	16.13640786			607
4530U	83117	A 84	7.62777033	.00834243	28697-4	21099-3	0		90
4530	67.132E	133.0982	0110819	106.7305	254.7381	16.14329959			612

U	83117	A	84	7.75165248	.00890841	28448-4	22178-3	0	91
	67.1324	132.6769	0110264	106.6280	254.7203	16.14579721			614
U	83117	A	84	8.24708636	.00843211	28376-4	20095-3	0	92
	67.1361	130.9877	0107468	106.4891	254.9819	16.15528127			622
U	83117	A	84	8.61851152	.01118351	28662-4	26451-3	0	93
	67.1315	129.7155	0104545	106.9571	255.4436	16.16160483			628
U	83117	A	84	8.80410612	.01133191	28859-4	26451-3	0	94
	67.1311	129.0819	0103129	105.4538	255.7893	16.16555836			631
U	83117	A	84	9.23707212	.01212971	28815-4	27252-3	0	95
	67.1298	127.6801	0099616	104.6933	256.5378	16.17579694			638
U	83117	A	84	9.66967705	.01895731	28492-4	65326-3	0	96
	67.1323	126.1241	0106898	117.7436	239.3481	16.12129373			645
U	83117	A	84	9.91847426	.00904071	28458-4	31117-3	0	97
	67.1297	125.2741	0104886	117.4923	243.4505	16.12548315			649

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Horizont 8

1	14532U		83335.36105915	-	0.00000129			0	23
2	14532	1.4393	288.1139	0042358	99.8823	261.1849	1.00046764		21
1	14532U		83335.36293912	0	0.00000020			0	38
2	14532	1.4444	286.6660	0087354	131.4860	233.2701	0.98997455		24
1	14533U		83334.87582370	0	0.00523087	58979-4	10000-3	0	23
2	14533	51.6340	284.4957	0006919	195.6598	164.4966	16.31209564		29
1	14534U		83334.99847100	0	0.10857299	59398-4	14243-2	0	48
2	14534	51.6169	283.8156	0008008	119.5026	240.6775	16.34712958		41

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4542U	83119	A	83341.62382399	-	.00001679	11653-4	00000 0 0	1
4542	72.7989	262.8461	0141133	87.4424	272.4423	15.94673256		2
4542U	83119	A	83341.93698218	-	.00001656	11389-4	00000 0 0	2
4542	72.8657	261.9354	0127877	86.7897	274.7967	15.97719123		7
4542U	83119	A	83342.50807195	.	.00177555	00000-0	19781-2 0	4
4542	72.8585	260.5520	0049269	210.9257	148.8670	15.60649033		17
4542U	83119	A	83342.63630204	.	.00018372	00000-0	21150-3 0	5
4542	72.8634	260.2430	0045342	208.5079	151.3814	15.60641462		19
4542U	83119	A	83343.08501418	.	.00133914	00000-0	15100-2 0	6
4542	72.8639	259.1728	0045820	207.7346	152.1038	15.60666594		24
4542U	83119	A	83343.27732278	.	.03061960	00000-0	25169-1 0	7
4542	72.8637	258.7134	0045088	206.5524	153.2789	15.60683148		27
4542U	83119	A	83343.27733327	.	.00112306	00000-0	12696-2 0	8
4542	72.8636	258.7141	0046140	207.0444	152.8606	15.60649138		27
4542U	83119	A	83343.46963339	.	.00112054	00000-0	12696-2 0	9
4542	72.8621	258.2556	0045417	207.1793	152.6600	15.60642694		34

4542U	83119	A	83343.85424638	.00112157	00000-0	12696-2 0	10
4542	72.8609	257.3335	0046122	205.6661	154.1338	15.60615436	37
4542U	83119	A	83344.23887379	.00112141	00000-0	12696-2 0	11
4542	72.8634	256.4172	0045800	204.9260	154.9275	15.60630015	43
4542U	83119	A	83345.00807757	.00168067	00000-0	18894-2 0	12
4542	72.8673	254.5853	0045453	204.1116	155.5162	15.60664556	55
4542U	83119	A	83345.26452750	.00013554	00000-0	15680-3 0	13
4542	72.8624	258.9677	0046005	202.8616	157.1769	15.60624903	59
4542U	83119	A	83345.39264358	.00000744	00000-0	92481-5 0	13
4542	72.8632	253.6623	0045858	202.1957	157.1272	15.60615192	61
4542U	83119	A	83346.29020663	.00017381	00000-0	19999-3 0	14
4542	72.8622	251.5180	0046034	200.1433	159.8088	15.60626047	75
4542U	83119	A	83346.29020663	.00017381	00000-0	19999-3 0	15
4542	72.8622	251.5180	0046034	200.1433	159.8088	15.60626047	75
4542U	83119	A	83347.25174365	.00008662	00000-0	99999-4 0	16
4542	72.8630	249.2236	0045682	198.2748	161.5587	15.60620500	90
4542U	83119	A	83347.25176570	.00008676	00000-0	99999-4 0	17
4542	72.8629	249.2228	0045612	198.3342	161.6193	15.60616830	90
42U	33119	A	83349.43125542	.00295094	00000-0	32626-2 0	22
42	72.8626	244.0171	0045133	194.1002	165.6239	15.60740396	124
2U	33119	A	83349.55949798	.00022157	00000-0	25507-3 0	23
2	72.8625	243.7098	0045083	193.8236	166.0523	15.60613795	126
42U	83119	A	83349.68772713	.01132906	00000-0	11474-1 0	24
42	72.8628	243.4019	0044392	193.3840	166.5885	15.60603883	128

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42U	83119	A	83350.07226233	.00032281	00000-0	36988-3 0	25
42	72.8667	242.4849	0045690	191.5946	167.8899	15.60627656	134
42U	83119	A	83350.26467210	.00003135	00000-0	36675-4 0	26
42	72.8631	242.0254	0045196	191.4644	168.5581	15.60601229	137
42U	83119	A	83350.58519287	.00003133	00000-0	36675-4 0	27
42	72.8627	241.2609	0045150	190.5418	169.4772	15.60600873	142
42U	83119	A	83351.35444424	.00006890	00000-0	79678-4 0	28
42	72.8635	239.4222	0045268	188.8709	171.1294	15.60600327	154
42U	83119	A	83352.25199924	.00018280	00000-0	21090-3 0	29
42	72.8637	237.2782	0045104	187.0653	172.9251	15.60600689	168
42U	83119	A	83352.50833787	.00018287	00000-0	21090-3 0	30
42	72.8625	236.6660	0045056	186.5271	173.5376	15.60611178	172
42U	83119	A	83354.23918642	.00009424	00000-0	10973-3 0	35
42	72.8631	232.5340	0044708	182.6646	177.4295	15.60579820	199
42U	83119	A	83354.68792143	.00009402	00000-0	10973-3 0	36
42	72.8602	231.4611	0044353	181.1007	178.9663	15.60535307	206

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4546U	83120	A	83342.31837065	.0000000E	00000-0	00000	0	0	1
4546	32.9434		197.8654	0037976	295.1950	64.5457	13.72969264		0
4546U	83120	A	83342.46412048	.0000000E	00000-0	00000	0	0	2
4546	32.9429		197.7587	0037835	294.4489	65.2722	13.72942893		2
4546U	83120	A	83342.60987507	.0000000E	00000-0	00000	0	0	3
4546	32.9394		197.6509	0037719	293.9337	65.7821	13.72933496		4

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Wed: 19 Dec
1983

14549U	83121	A	83348.34619530	.00000086	00000-0	00000 0 0	1
14549	82.3314		213.7727 0033351	83.5233	276.9860	16.13809106	1
14549U	83121	A	83348.53221847	.00000087	00000-0	00000 0 0	2
14549	82.3093		213.5596 0034583	83.5271	276.9257	16.13740169	4
14549U	83121	A	83348.55424082	.00000090	00000-0	00000 0 0	3
14549	82.3091		213.4873 0034482	83.5459	276.9699	16.13719666	5
14549U	83121	A	83349.15229712	.00297506	-15655-5	22218-3 0	4
14549	82.3067		212.8335 0035187	79.8734	280.5527	16.13854536	14
14549U	83121	A	83349.27632322	.00116534	00000-0	87205-4 0	5
14549	82.3095		212.6886 0034305	81.4070	279.1400	16.13909778	16
549U	83121	A	83349.89632896	.00496476	-16284-5	36494-3 0	6
549	82.3059		211.9605 0034960	79.0541	281.4162	16.14100141	26
549U	83121	A	83350.26830538	.00117044	00000-0	85201-4 0	7
549	82.3104		211.5253 0034190	77.0842	283.3898	16.14139649	32
549U	83121	A	83350.82624424	.00200512	-17092-5	14464-3 0	8
549	82.3076		210.8713 0033885	74.8041	285.9603	16.14428944	41
49U	83121	A	83351.38401571	.00183126	-14998-5	13037-3 0	9
49	82.3106		210.2168 0033702	73.1588	287.3033	16.14623769	50

49U	83121	A	83352.06570989	.00201390	-16289-5	14089-3	0	10
49	82.3088		209.4171	0033282	71.0827	289.4437	16.14899300	61
49U	83121	A	83352.49944095	.00204352	-16145-5	14089-3	0	11
49	82.3068		208.9074	0033662	69.4581	291.0053	16.15067950	68

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Kosmos 1515

551U	83122	A	83349.57473097	.00000011	00000-0	00000 0 0	1
551	82.5272	296.6468	0019253	287.7386	72.1321	14.73649689	1
551U	83122	A	83352.49463353	.00000559	00000-0	84185-4 0	8
551	82.5250	293.9560	0018927	276.2628	83.6393	14.73556420	44
551U	83122	A	83356.22938430	.00000854	00000-0	12766-3 0	13
551	82.5264	290.5139	0019048	262.9572	56.9066	14.73558849	99

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Molnaya 3X

570U	83123	A	83355.30718182	.00000000E	00000-0	00000	0	0	1
570	62.7978		131.2776	7408049	288.173E	9.2426	1.95623429		0

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Kosmos 1516

1	14583U		83361.45229941	-	.00005026	34752-4		0	1
2	14583	64.8891	273.5049	0060307	74.8689	285.7628	16.13915181		1
1	14583U		83361.51429290	-	.00005017	34628-4		0	2
2	14583	64.8860	273.2709	0059886	73.8733	286.9010	16.13879347		2
1	14583U		83362.13395708	-	.00005061	35024-4		0	3
2	14583	64.8859	270.9626	0059034	73.9112	287.0473	16.14079404		12
1	14583U		83362.13395708	-	.00005022	34526-4		0	4
2	14583	64.8841	270.9613	0059662	73.5577	287.3908	16.14004642		12
1	14583U		83362.25784843	0.	.00360920	34756-4	21200-3	0	5
2	14583	64.8832	270.5013	0059552	73.4578	287.3457	16.14123249		14
1	14583U		83362.56762017	0.	.00136085	34872-4	81347-4	0	6
2	14583	64.8835	269.3491	0059325	73.5131	287.2453	16.14215922		19
1	14583U		83363.12518273	0.	.00191133	35171-4	11170-3	0	7
2	14583	64.8857	267.2733	0058939	73.0957	287.6967	16.14421177		28

4583U	831.24	A	83363.49683881	.00127841	34513-4	75401-4	0	10
4583	64.8843		265.8877 0058656	72.8836	287.8138	16.14497892		34
4583U	831.24	A	83364.24012486	.00146935	34473-4	84948-4	0	11
4583	64.8840		263.1176 0058297	72.6246	288.1864	16.14731734		46
4583U	831.24	A	83364.42591510	.00121848	00000-0	84948-4	0	12
4583	64.8847		262.4257 0050544	72.5091	287.6985	16.12932971		49
4583U	831.24	A	83365.23199103	.00180578	11642-4	12523-3	0	13
4583	64.8850		259.4294 0050062	72.6471	288.0935	16.13205101		62
1	14583U		83365.91384846	0.00305666	11619-4	20905-3	0	14
2	14583	64.8855	256.8907 0049743	72.2134	288.1698	16.13339090		73
4583U	831.24	A	84 1.22381689	.00186427	11598-4	12738-3	0	15
4583	64.8856		255.7391 0049598	72.2820	288.3265	16.13446764		78
1	14583U		84 2.09150966	0.00163439	11835-4	10997-3	0	16
2	14583	64.8864	252.5131 0049358	71.5409	288.9478	16.13705516		92
1	14583U		84 2.21548402	0.00164883	11973-4	11075-3	0	17
2	14583	64.8860	252.0510 0049148	71.5571	289.1013	16.13751912		94
4583U	831.24	A	84 2.77319882	.00134014	00000-0	88301-4	0	18
4583	64.8860		249.9765 0048568	71.0996	289.5028	16.13897440		103
1	14583U		84 2.77319882	0.00168295	11947-4	11075-3	0	19
2	14583	64.8871	249.9801 0049848	71.0723	289.5397	16.13932538		103
1	14583U		84 3.26890140	0.00152137	98912-4	0	20	
2	14583	64.8860	248.1313 0048570	71.2293	289.3691	16.14064527		111
1	14583U		84 4.26017700	0.00152045	97057-4	0	21	
2	14583	64.8853	244.4413 0048031	70.4417	290.1301	16.14364767		127

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4583U	83124	A	84	5.43704593	.00183206	10324-4	13664-3	0	23
4583	64.8764			240.0603	0043675	58.2207	301.4391	16.12909410	146
1	14583U			94	5.93320457	0.00168947	10485-4	12425-3	0 24
2	14583			64.8374	238.2137	0044690	59.3175	301.1008	16.13013005 154
1	14583U			84	6.30521634	0.00125718		91282-4	0 25
2	14583			64.8831	236.8304	0044087	59.1707	301.3491	16.13091254 160
4583U	83124	A	84	7.17312668	.00125780	00000-0	90384-4	0	27
4583	64.8822			233.5999	0043513	59.1387	301.3439	16.13289518	174
4583U	83124	A	84	8.16489732	.00112506	00000-0	79698-4	0	28
4583	64.8811			229.9131	0043399	57.7753	302.6635	16.13501984	190
4583U	83124	A	84	9.15655177	.00109358	00000-0	76435-4	0	29
4583	64.8808			226.2232	0043080	57.0705	303.4325	16.13716425	206
4583U	83124	A	84	11.13943274	.00118834	00000-0	80536-4	0	30
4583	64.8799			218.8389	0042486	55.7057	304.8645	16.14182925	238
4583U	83124	A	84	12.25453091	.00150554	11026-4	10118-3	0	31
4583	64.8804			214.6830	0041769	54.7186	306.0439	16.14547433	256
4583U	83124	A	84	13.30738728	.00149825	00000-0	97190-4	0	32
4583	64.8806			210.7604	0041382	54.3191	306.1528	16.14860940	273
4583U	83124	A	84	14.42200743	.00145451	00000-0	92356-4	0	33
4583	64.8806			206.6030	0041018	53.8423	306.6236	16.15185078	291

4583U	83124	A	84	15.35069043	.00141673	00000-0	88198-4 0	34
4583	64.8807	203.1386	0040941	52.8344	307.6374	16.15448125	306	
4583U	83124	A	84	15.90842752	.40613211	88281-5	32719-1 0	37
4583	64.8825	201.0665	0038110	150.8096	209.5180	16.12176790	315	
4583U	83124	A	84	15.90842818	.23607207	92657-5	18444-1 0	38
4583	64.8825	201.0662	0039175	150.8214	209.5224	16.12507589	315	
4583U	83124	A	84	16.03223590	.24232647	94154-5	18444-1 0	39
4583	64.8820	200.5912	0039007	154.0377	205.0560	16.12884054	317	
4583U	83124	A	84	16.09439054	.00108571	00000-0	83182-4 0	40
4583	64.8801	200.3706	0040407	149.7706	210.1861	16.12729974	318	
4583U	83124	A	84	16.34249998	.00189051	97128-5	14559-3 0	41
4583	64.8811	199.4494	0039844	148.7000	211.6706	16.12834965	322	
4583U	83124	A	84	16.83852693	.00210406	95767-5	16079-3 0	42
4583	64.8833	197.6072	0039441	148.7755	211.4462	16.12957388	330	
4583U	83124	A	84	17.33453813	.00125838	00000-0	94588-4 0	43
4583	64.8819	195.7631	0039693	148.0671	212.1524	16.13050594	338	
1 14583U	83124	A	84	19.25537971	.00017373	00000-0	13192-4 0	465
2 14583	64.8814	188.6138	0040290	147.6132	212.7134	16.13227349	3694	
1 14583U	83124	A	84	19.56534698	.00057840	00000-0	43290-4 0	477
2 14583	64.8822	187.4623	0037495	146.8020	213.7737	16.13378711	3745	
4583U	83124	A	84	20.12417564	.00066537	00000-0	49154-4 0	48
4583	64.8801	185.3872	0037424	146.5562	213.9757	16.13547715	383	
4583U	83124	A	84	20.24810377	.00126228	00000-0	92283-4 0	49
4583	64.8801	184.9277	0037912	146.5487	213.8199	16.13594176	385	

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4583U	83124	A 84	21.36361126	.00094279	00000-0	68303-4 0	50
4583	64.8808	180.7710	0036653	145.8545	214.4863	16.13850397	403
4583U	83124	A 84	22.10720121	.00118718	00000-0	85015-4 0	51
4583	64.8799	178.0054	0036056	144.9729	215.4777	16.14045011	415
4583U	83124	A 84	22.78872005	.00208157	97681-5	14834-3 0	52
4583	64.8822	175.4670	0035500	144.7087	215.6984	16.14268129	426
4583U	83124	A 84	23.34624086	.00129374	00000-0	90647-4 0	53
4583	64.8798	173.3903	0035535	144.5321	215.6683	16.14382101	435
4583U	83124	A 84	24.33735512	.00132261	00000-0	91049-4 0	54
4583	64.8799	169.6975	0035230	143.7568	216.6015	16.14645579	451
4583U	83124	A 84	25.45213332	.00116323	00000-0	78994-4 0	55
4583	64.8799	165.5388	0034147	142.7634	217.5881	16.14929672	469
4583U	83124	A 84	26.31905646	.00162000	10075-4	10924-3 0	56
4583	64.8796	162.3055	0033640	141.7256	213.7853	16.15224217	483
4583U	83124	A 84	27.06195851	.00168464	93751-5	12941-3 0	57
4583	64.8782	159.5329	0038655	154.0433	204.9452	16.12997763	495
4583U	83124	A 84	27.31018421	.00138453	96060-5	10656-3 0	58
4583	64.8805	158.6129	0038169	154.1513	206.1454	16.13064687	499
4583U	83124	A 84	28.30207663	.00138014	95391-5	10440-3 0	59
4583	64.8778	154.9242	0037760	153.8723	206.6046	16.13338797	515

4583U	83124	A	84	28.61201395	.00139588	97040-5	10487-3	0	60
4583	64.8785	153.7701	0037879	153.6625	206.6398	16.13421985			520
4583U	83124	A	84	29.29380714	.00144887	97000-5	10714-3	0	61
4583	64.8781	151.2345	0037829	153.3558	206.9937	16.13632729			531
4583U	83124	A	84	30.22337216	.00155756	99151-5	11321-3	0	62
4583	64.8788	147.7735	0036881	152.3661	203.0201	16.13939143			546
4583U	83124	A	84	31.27665455	.00160293	99576-5	11416-3	0	63
4583	64.8782	143.8511	0036054	151.2217	209.0985	16.14281945			563
4583U	83124	A	84	33.25873456	.00415471	10106-4	27761-3	0	65
4583	64.8807	136.4680	0033346	149.6412	211.0074	16.15236974			595
4583U	83124	A	84	34.18709214	.00399301	10507-4	24847-3	0	66
4583	64.8827	132.9994	0031123	148.6894	211.6641	16.16371322			610
4583U	83124	A	84	34.24895429	.00654857	10615-4	42594-3	0	67
4583	64.8783	132.7664	0031734	148.4296	211.8845	16.16482675			611
4583U	83124	A	84	34.43454060	.00625784	11276-4	37810-3	0	68
4583	64.8804	132.0736	0031556	148.7565	211.5239	16.16654828			614
4583U	83124	A	84	35.23846374	.00647436	11251-4	37810-3	0	69
4583	64.8758	129.0681	0030015	145.1021	214.6260	16.17259994			627
4583U	83124	A	84	35.36223366	.00646350	11053-4	37810-3	0	70
4583	64.8761	128.6021	0029908	148.1182	212.1141	16.17245895			629
4583U	83124	A	84	35.67139762	.00113846	00000-0	66132-4	0	71
4583	64.8787	127.4481	0029724	147.5075	212.6411	16.17362329			634
4583U	83124	A	84	36.41339035	.00429164	11461-4	24261-3	0	72
4583	64.8781	124.6686	0029066	147.5816	213.0588	16.17786151			646
4583U	83124	A	84	40.24420228	.00201213	12180-4	10290-3	0	79
4583	64.8737	110.3057	0026645	143.6406	216.6403	16.19354371			708

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1	14585U			83361.46340087	-.00008394	58056-4		0	1
2	14585	50.6651	179.6997	0031479	310.9673	48.8612	16.26731801	0	0
4535U	83125	A	83361.46340045	-.00008384	57835-4	00000	0 0	0	6
4535	50.6603	179.6955	0031119	309.4859	50.3399	16.27008384	5864		
4585U	83125	A	83361.52482977	.03021062	58118-4	74944-3	0	0	4
4585	50.6655	179.3489	0030845	312.7241	47.1126	16.26830826			1
4585U	83125	A	83361.52483060	.03415212	57429-4	84337-3	0	0	3
4585	50.6663	179.3480	0030835	312.7435	47.1027	16.26876260			1

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4587U	83126	A	83362.20872639	-	.00000075	00000-0	00000	0	0	1	
4587	62.9088		102.4573	7356942	320.0114	4.4404	2.03050715			0	
1	14587U		83362.49251329	0.00000556						2	
2	14587		62.9717	102.2333	7354411	320.0746	4.4372	2.03037375		2	
4587U	83126	A	83365.66273483	-	.00000738	00000-0	00000	0	0	12	
4587	62.9050		101.9623	7373284	320.0060	4.7108	2.01039107			7	
4587U	83126	A	84	26.09278752	-	.00001255	00000-0	00000	0	0	53
4587	62.9788		98.0709	7367970	320.1446	4.4463	2.00458741			58	

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Kosmos 1519, 1520, 1521

4590U	83127	A	83365.31385959	.00000012	00000-0	99999-4 0	2
4590	64.7542		118.8226 0024345	256.4273	103.2647	2.13766051	6
4591U	83127	B	83365.31360677	.00000012	00000-0	99999-4 0	2
4591	64.7592		118.8228 0027166	257.6923	101.9585	2.13781403	6
4592U	83127	C	83365.31322135	.00000012	00000-0	99999-4 0	2
4592	64.7656		118.8300 0024586	260.3232	99.4060	2.13837886	6