

81-01 A

Kosmos 1237

1	12130U		81	6.56489474	-.00001668	11513-4	00000 7 0	20
2	12130	72.8834	294.4114	0143386	87.2874	274.4757	15.94522810	11
1	12130U		81	6.81586099	-.00001658	11509-4	00000 7 0	34
2	12130	72.8749	293.7818	0142137	87.4379	274.3111	15.94472871	52
1	12130U		81	7.19526437	-.00000062	00000-0	00000 7 0	45
2	12130	72.8625	292.8571	0044299	209.8047	150.0609	15.50874609	110
1	12130U		81	7.38754416	-.00265096	00000-0	-32061-2 0	53
2	12130	72.8617	292.3962	0043935	209.5608	150.2999	15.60813578	141
1	12130U	81001	A 81	7.51574049	.00052346	00000-0	59457-3 0	50
2	12130	72.8612	292.0912	0043622	209.6766	150.2319	15.60872545	164
1	12130U	81001	A 81	8.09258016	.00052338	00000-0	59457-3 0	79
2	12130	72.8647	290.7154	0043582	208.3622	151.5218	15.30872247	258

1	12130U	81001	A	81	8.28485847	.00016678	00000-0	19038-3 0	93
2	12130	72.8614	290.2473	0045466	207.2094	152.5930	15.60873337	282	

1	12130U	81001	A	81	10.20766275	.00000988	00000-0	11976-4 0	109
2	12130	72.8612	285.6604	0044158	202.6980	157.1974	15.60863438	585	

1	12130U	81001	A	81	11.23316426	.00001040	00000-0	12552-4 0	114
2	12130	72.8603	283.2101	0044020	200.2508	159.6914	15.60865185	740	

1	12130U	81001	A	81	12.25865994	.00036509	00000-0	41471-3 0	126
2	12130	72.8604	280.7580	0044332	198.7637	161.2356	15.60904347	905	

1	12130U	81001	A	81	13.28409792	.00004240	00000-0	48939-4 0	135
2	12130	72.8620	278.3087	0044033	195.6133	164.1207	15.60884344	1062	

1	12130U	81001	A	81	14.24553066	.00025969	00000-0	29510-3 0	142
2	12130	72.8585	276.0100	0043678	193.9871	166.0063	15.60909108	1211	

1	12130U	81001	A	81	15.71966039	.00025446	00000-0	29026-3 0	166
2	12130	72.8597	272.4885	0043849	190.6807	169.4487	15.60890318	1440	

1	12130U	81001	A	81	16.23239570	.00032234	00000-0	36714-3 0	173
2	12130	72.8616	271.2605	0043126	189.5313	170.5083	15.60923545	1520	

1	12130U	81001	A	81	16.29648675	.00026709	00000-0	30465-3 0	187
2	12130	72.8614	271.1078	0043137	189.2817	170.7543	15.60921401	1532	

1	12130U	81001	A	81	17.38601668	.00003769	00000-0	43589-4 0	193
2	12130	72.8602	268.5046	0043386	186.4141	173.4427	15.60926175	1702	

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Kosmos 1237

forts. 1

1	12130U	81001	A	81	18.02697098	.00002828	00000-0	32894-4	0	201
2	12130	72.8605			266.9743	0043326	184.9178	175.1490	15.50907412	1901

1	12130U	81001	A	81	19.24471045	.00003404	00000-0	39457-4	0	234
2	12130	72.8603			264.0642	0043143	182.2430	177.8459	15.50916150	1993

81-02A

Molniya

3P

1	12133U	81	2	A	81	9.67452700	-.00000075	00000-0	00000 0 0	16
2	12133	62.8085	283.3418	7475236	279.9160	10.7918	1.95794618			33
1	12133U	91	2	A	81	11.71817604	.00000165	00000-0	99999-4 0	33
2	12133	62.7988	283.0327	7474821	279.9283	10.7652	1.95718475			42
1	12133U	81	2	A	81	13.76192630	.00001672	00000-0	68129-2 0	49
2	12133	62.7969	282.7014	7473765	279.9465	10.8205	1.95727007			99
1	12133U	81-002A	81	16.25774191	.00001223	00000-0	68129-2 0			59
2	12133	62.7935	282.3420	7430150	279.9532	11.2308	2.00528831			141
1	12133U	81-002A	81	28.73434250	.00000146	00000-0	79305-3 0			66
2	12133	62.8117	280.31	7424200	280.0545	11.005	2.00530244			3 0
1	12133U	81-002A	81	44.63990323	.00000174	00000-0	92119-3 0			76
2	12133	62.8286	277.3130	7413944	280.1531	11.0141	2.00622902			713

81-03A

Kosmos 1238

1	12138U	81	3	A	81	16.43985617	.00000013	00000-0	00000 0 0	13
2	12138	82.9778	278.8360	1017853	129.5844	239.9772	13.22241435			35
1	12138U	81	3	A	81	16.74284776	-.00455574	00000-0	-51584-1 0	41
2	12138	82.9738	278.6166	1028290	128.9273	240.8196	13.21201758			47
1	12138U	81	3	A	81	16.59120018	.00000013	00000-0	00000 0 0	27
2	12138	83.0067	278.7631	1023917	129.1287	240.4985	13.22299755			27
1	12138U	81	3	A	81	16.74284699	-.00416237	00000-0	-46866-1 0	56
2	12138	82.9738	278.6166	1028392	128.9422	240.8029	13.21197729			42
1	12138U	81	3	A	81	17.19734133	.00000389	00000-0	40750-4 0	64
2	12138	82.9784	278.3098	1026321	127.7242	242.5686	13.21225648			100
1	12138U	81	3	A	81	26.20919359	.00007033	00000-0	75707-3 0	185
2	12138	82.9765	272.1338	1026442	104.4321	267.3194	13.21279512			1303

81-04 A

Kosmos 1239

1	12140	81	4	A	81	16.49252877	.00000094	00000-0	00000 0 0	17
2	12140	82.3388	322.3235	0015883		73.9111	286.3925	16.18425298		00

1	12140U	81	4	A	81	17.35803548	.00281725	00000-0	19114-4 0	35
2	12140	82.3336	321.3230	0011971		92.5030	267.7599	16.18873066		143

1	12140U	81	4	A	81	17.35803196	.00284049	00000-0	19273-4 0	43
2	12140	82.3321	321.3218	0011939		92.2806	269.1391	16.18875900		149

1	12140U	81	4	A	81	17.35803548	.00281725	00000-0	19114-4 0	57
2	12140	82.3336	321.3230	0011971		92.5030	267.7599	16.18873066		143

1	12140U	81	4	A	81	17.35803548	.00281725	00000-0	19114-4 0	57
2	12140	82.3336	321.3230	0011971		92.5030	267.7599	16.18873066		143

1	12140U	81	4	A	81	17.97610996	.00259520	00000-0	17319-4 0	62
2	12140	82.3304	320.5941	0012227		87.9158	272.2480	16.19171279		241

1	12140U	81	4	A	81	19.27371101	.00263811	00000-0	16954-4 0	83
2	12140	82.3317	319.0666	0012229		84.7691	275.5405	16.19862756		454

1	12140U	81	4	A	81	20.32372134	.00275066	00000-0	17096-4 0	92
2	12140	82.3313	317.8290	0012652			82.1052	278.3005	16.20461068	621

1	12140U	81	4	A	81	21.43505174	.00296650	00000-0	17755-4 0	104
2	12140	82.3300	316.5187	0012133			78.7893	281.6865	16.21144842	305

1	12140U	81	4	A	81	22.23735497	.00300299	00000-0	17500-4 0	119
2	12140	82.3305	315.5713	0012033			77.1655	283.1429	16.21635842	935

1	12140U	81	4	A	81	23.28619301	.00320116	00000-0	17954-4 0	124
2	12140	82.3306	314.3295	0011859			73.4258	286.9673	16.22321774	1100

1	12140U	81	4	A	81	25.25912740	.00364446	-54050-5	19832-4 0	148
2	12140	82.3305	311.9947	0010241			68.0848	292.1326	16.23765094	1422

1	12140U	81	4	A	81	26.06014158	.00347834	-54019-5	17390-4 0	150
2	12140	82.3368	311.0478	0009632			64.7077	295.5210	16.24349301	1553

1	12140U	81	4	A	81	26.24495174	.00432695	-53726-5	21392-4 0	163
2	12140	82.3325	310.8286	0008919			63.6271	296.6743	16.24564961	1588

1	12140U	81	4	A	81	27.29180623	.00445479	-57553-5	20936-4 0	179
2	12140	82.3294	309.5864	0009162			60.9719	299.0659	16.25427918	1751

1	12140U	81	4	A	81	24.33455943	.00367543	00000-0	19776-4 0	131
2	12140	82.3312	313.0909	0010173			70.8998	289.5726	16.23093344	1271

81-05A

Kosmos 1240

1	12143U	81	6	A	81	20.45295622	-.00004950	34225-4	00000 0 0	14
2	12143	64.9004	320.6429	0146546		61.2816	300.2999	16.03774219		05
1	12143U	81	6	A	81	20.63998733	-.00004958	34298-4	00000 0 0	26
2	12143	64.8878	319.9773	0139005		62.7345	298.7903	16.03937940		31
1	12143U	81	6	A	81	20.82700753	-.00004918	33973-4	00000 0 0	36
2	12143	64.8791	319.2899	0139638		63.0991	298.4367	16.04151698		63
1	12143U	81	6	A	81	20.95169178	-.00004912	33968-4	00000 0 0	49
2	12143	64.8791	319.8323	0139638		63.0448	298.4904	16.04163026		84
1	12143U	81	6	A	81	21.20097548	.00598927	34087-4	38940-4 0	55
2	12143	64.8806	317.9155	0137445		62.7621	298.7474	16.04749164		120
1	12143U	81	6	A	81	21.33792033	.00598648	33991-4	38725-4 0	60
2	12143	64.9841	317.2292	0136620		62.7203	298.7842	16.04975153		156
1	12143U	81	6	A	81	22.25998078	.00591119	34608-4	38859-4 0	73
2	12143	64.8825	314.0225	0134081		62.4009	299.0116	16.06008864		299

1	12143U	81	6	A	81	23.25594982	.00625173	34100-4	37233-4	0	93
2	12143	64.8809	310.3519	0130862		62.0816	299.5538	16.07287557			451
1	12143U	81	6	A	81	24.87566137	.00604375	33985-4	37233-4	0	129
2	12143	64.8818	304.3926	0148197		60.3624	301.2209	16.03645012			719
1	12143U	81	6	A	81	25.24980627	.00619092	34116-4	37233-4	0	135
2	12143	64.8828	303.0165	0147420		60.7600	301.0558	16.04155518			776
1	12143U	81	6	A	81	25.05988585	.00679030	34559-4	39311-4	0	140
2	12143	64.8816	300.0412	0143057		60.4556	301.0786	16.05336079			906
1	12143U	81	6	A	81	26.30904537	.00739427	34009-4	42900-4	0	153
2	12143	64.8772	299.1231	0141833		60.1742	301.4107	16.05745199			940
1	12143U	81	6	A	81	27.30506265	.00789669	34291-4	43648-4	0	167
2	12143	64.8787	295.4533	0137337		59.7901	301.5530	16.07258757			1106
1	12143U	81	6	A	81	24.00230077	.00580705	34099-4	37233-4	0	93
2	12143	64.8625	307.5883	0150540		61.0264	300.5898	16.02599397			579
1	12143U	81	6	A	81	24.18950017	.00586560	34303-4	37233-4	0	105
2	12143	64.8775	306.9100	0150401		60.6491	300.9602	16.02790495			604
1	12143U	81	6	A	81	24.37667479	.00591548	34037-4	37233-4	0	110
2	12143	64.8818	306.2217	0149857		60.5799	301.0303	16.03010398			639
1	12143U	81-005A			81	28.98354084	.00953636	34539-4	47687-4	0	194
2	12143	64.8883	289.2495	0128856		59.8550	301.5317	16.10274571			1377
1	12143U	81-005A			81	29.60435399	.00982358	34599-4	47023-4	0	209
2	12143	64.8808	286.9445	0125313		59.4149	302.0288	16.11552241			1475

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Kosmos 1240

for ts. 1

1	12143U	81-005A	81	32.20571917	.01302474	35368-4	49756-4	0	235
2	12143	64.8728	277.2508	0107496	58.9426	302.2297	16.17915555		1897

1	12143U	81-005A	81	33.25555123	.01468989	35652-4	49171-4	0	244
2	12143	64.8751	273.3106	0099827	57.9949	303.5010	16.21070708		2766

1	12143U	81-005A	81	30.4105786	.0109765	34647-4	4451-4	0	216
2	12143	64.8771	283.491	0120176	58.9792	302.2874	16.13372288		1623

1	12143U	81-005A	81	31.40164592	.01184747	35212-4	49013-4	0	227
2	12143	64.875	280.2546	0113522	58.9158	302.3198	16.15741176		1769

1	12143U	81-005A	81	34.30593369	.00471188	33744-4	21146-4	0	263
2	12143	64.8826	269.3623	0165058	64.9882	296.9694	15.05107550		2232

1	12143U	81-005A	81	34.67970121	.01289556	34410-4	54111-4	0	275
2	12143	64.8666	267.9915	0163388	64.3100	298.1687	16.06272935		2296

1	12143U	81-005A	81	34.99080298	.01357435	34540-4	55119-4	0	294
2	12143	64.8730	266.8458	0159918	64.2636	297.5705	16.07155144		2348

1 12143U 81-005A 81 36.42013058 .01523975 34823-4 55925-4 0 310
2 12143 64.8727 261.5562 0146442 63.9659 297.6484 16.11384643 2574

1 12143U 81-005A 81 39.27403400 .01332529 34697-4 54292-4 0 363
2 12143 64.3691 250.9533 0140704 77.0657 284.5016 16.11047451 3030

12143U 81-005A 81 47.46232889 .01339160 34725-4 55905-4 0 376
12143 64.8659 246.5705 0129776 76.9653 284.6088 16.14413786 3226

1 12143U 81-005A 81 37.41195444 .01986519 34821-4 64574-4 0 337
2 12143 64.8697 257.2642 0134517 63.7300 297.8699 16.15268875 2738

1 12143U 81-005A 81 37.90684219 .01396337 34305-4 64574-4 0 345
2 12143 64.3766 256.0081 0150996 77.8042 283.9001 16.07309272 2312

1 12143U 81-005A 81 33.40437391 .01467950 34332-4 64574-4 0 354
2 12143 64.3742 254.1734 0147035 77.6556 284.1020 16.03769249 2895

81-05A

Kosmos 1240 for ts. 2

1	12143U	81-005A	81	41.50408883	.01781012	35157-4	57920-4	0	392
2	12143	.64.8591	242.5371	0118395	75.4553	294.8385	16.13255863		3393
1	12143U	81-005A	81	41.68946734	.01777577	35277-4	55291-4	0	400
2	12143	64.8689	241.9428	0116605	76.3129	285.0917	16.13923751		3425
1	12143U	81-005A	81	41.93711255	.01171490	34238-4	55291-4	0	415
2	12143	64.8663	241.0096	0172314	50.9912	300.5596	16.02637010		3460
1	12143U	81005	A	81042.99720039	.01222953	00000-0	00000-0	0	00437
2	12143	064.8717	237.1082	0174416	051.3246	300.5362	16.05129325003541		
1	12143U	81005	A	81042.99717509	.01340231	00000-0	00000-0	0	00442
2	12143	064.8666	237.1135	0167475	051.9635	299.3384	16.05243387003547		
1	12143U	81005	A	81042.99720039	.01222953	00000-0	00000-0	0	00437
2	12143	064.8717	237.1082	0174416	051.3246	300.5362	16.05129325003541		
1	12143U	81005	A	81042.99717509	.01340231	00000-0	00000-0	0	00442
2	12143	064.8666	237.1135	0167475	051.9636	299.3384	16.05243387003547		
1	12143U	81-005A	81	43.61984566	.01441755	34373-4	60720-4	0	437
2	12143	64.3545	234.8304	0159536	50.2535	301.4398	15.05971565		3736

1	12143U	81-005A	81	44.11720272	.00430119	00000-0	50029-4	0	444
2	12143	64.8780	232.9609	0150605	91.3399	270.4530	15.39042594		3911

1	12143U	91005	A	81744.43108310	.01400463	00000-0	00000-0	0	00453
2	12143	064.9553	231.3920	0166478	106.8512	255.0941	15.00091702003949		

1	12143U	81-005A	81	45.43038215	.00970676	34029-4	51175-4	0	473
2	12143	64.3691	229.1991	0167898	107.4783	254.5156	16.02191460		4022

1	12143U	81-005A	81	45.43038215	.00970676	34029-4	51175-4	0	473
2	12143	64.3691	229.1991	0167898	107.4783	254.5156	16.02191460		4022

1	12143U	81-005A	81	46.17907018	.00982366	33731-4	50307-4	0	497
2	12143	64.3625	225.4471	0162575	106.8109	255.0957	16.03543743		4149

1	12143U	81-005A	81	46.17907018	.00982366	33731-4	50307-4	0	499
2	12143	64.3625	225.4471	0162575	106.8109	255.0957	16.03643743		4149

87-06A

Kosmos 1241

1	12149U	81	6	A	81	21.48335324	-.00000032	00000-0	00000 0 0	15
2	12149	65.8163	228.8589	0013721	292.2549	67.6844	13.71321519			18
1	12149U	81	6	A	81	21.62917076	-.00000032	00000-0	00000 0 0	22
2	12149	65.8119	228.4962	0021744	287.2940	72.5742	13.71713284			40
1	12149U	81	6	A	81	22.28534911	-.00000032	00000-0	00000 0 0	39
2	12149	65.8178	226.8887	0023076	286.5293	73.4971	13.71776478			134
1	12149U	81	6	A	81	23.30598899	.00008488	00000-0	94028-2 0	47
2	12149	65.8218	224.3792	0023286	285.1348	74.7474	13.71790853			275
1	12149U	81	6	A	81	25.27440876	.00013381	00000-0	14773-1 0	64
2	12149	65.8222	219.5408	0023198	283.4005	76.3973	13.71795313			542
1	12149U	81	6	A	81	25.93056718	.00000033	00000-0	71404-4 0	73
2	12149	65.8241	217.9265	0023553	284.8733	74.9720	13.71781665			633

1 12149U 81 6 A 81 26.29509271 .00004024 00000-0 44938-2 0 85
2 12149 65.8237 217.0321 0023325 283.7668 75.0846 13.71797980 687

1 12149U 81 6 A 81 27.31575541 .00002097 00000-0 23724-2 0 91
2 12149 65.8193 214.5213 0023154 283.9825 75.9267 13.71796766 929

1 12149U 81 6 A 81 29.35710945 .00000117 00000-0 19024-3 0 119
2 12149 65.8200 209.5064 0023593 282.6913 77.1663 13.71792856 1109

1 12149U 81 6 A 81 30.37777670 .00000 96 00000-0 11596-2 0 122
2 12149 65.817 206.9952 0023441 282.1177 77.7209 13.71794015 1243

1 12149U 81 6 A 81 37.44956132 .00004042 00000-0 45138-2 0 191
2 12149 65.8231 189.6162 0023502 280.5797 79.2035 13.71786483 2216

1 12149U 81 6 A 81 33.32442901 .00003392 00000-0 37371-2 0 206
2 12149 65.8237 187.4661 0023270 279.3697 80.4514 13.71737430 2331

1 12149U 81 6 A 81 34.38756828 .00000037 00000-0 75999-4 0 159
2 12149 65.8222 197.1425 0023729 281.5120 75.3724 13.71792458 1799

1 12149U 81 6 A 81 35.40822929 .00004043 00000-0 45138-2 0 170
2 12149 65.8194 194.6308 0023716 280.8318 79.2073 13.71787447 1930

1 12149U 81 6 A 81 36.35599225 .00004043 00000-0 45138-2 0 187
2 12149 65.8219 192.3022 0023403 279.7036 80.1276 13.71789257 2067

1 12149U 81 6 A 81 39.27219966 -.00000032 00000-0 00000 0 0 215
2 12149 65.8238 195.1355 0023459 279.1909 87.6483 13.71731851 2463

81-06A

Kosmos 1241 forts.

1	12149U	81	6	A	81	41.53225796	.00002274	00000-0	25572-2	0	232
2	12149	65.8252	179.5924	0023434	279.4485	81.4087	13.71790770				2773

1	12149U	81	6	A	81	41.82337297	.00007242	00000-0	30366-2	0	265
2	12149	65.8240	179.3613	0023875	290.1294	79.3507	13.71745089				2915

1	12149U	81	6	A	81	45.39622187	-.00015172	00000-0	-16768-1	0	299
2	12149	65.8248	170.0826	0023703	279.5154	81.2961	13.71770356				3306

1	12149U	81	6	A	81	46.27110588	-.00005229	00000-0	-57377-2	0	298
2	12149	65.8230	167.9315	0023646	279.0518	81.3903	13.71790144				3420

1	12149U	81	6	A	81	47.43756873	-.00001763	00000-0	-19096-2	0	307
2	12149	65.8257	165.0644	0023729	277.5359	82.2533	13.71790737				3597

1	12149U	81	6	A	81	50.29036382	-.00007032	00000-0	00000	0	337
2	12149	65.8234	158.0770	0023755	275.6870	83.1452	13.71733366				3976

1	12149U	81	6	A	81	51.30153561	-.00000966	00000-0	-91989-3	0	342
2	12149	65.8252	155.5703	0023761	276.5271	83.3044	13.71791608				4117

81-06A

Kosmos 1241

forts. 1

1	12149U	81	6	A	81	49.26019798	.00000254	00000-0	34224-3 0	323
2	12149	65.8223	157.5359	0023662	275.3955	83.4505	13.71793668	3836		
1	12149U	81	6	A	81	52.39511321	.00000059	00000-0	99999-4 0	353
2	12149	65.8253	152.3906	0023775	275.0318	83.3047	13.71779966	4258		
1	12149U	81	6	A	81	55.23840986	.00002553	00000-0	30000-2 0	393
2	12149	65.8241	145.3944	0023756	275.4501	84.3944	13.71738116	4658		
1	12149U	81	6	A	81	55.33190444	.00002567	00000-0	30000-2 0	401
2	12149	65.8230	143.2053	0023909	274.9475	84.3973	13.71786902	4303		
1	12149U	81	6	A	81	57.20334053	.00002567	00000-0	30000-2 0	415
2	12149	65.8226	141.0572	0024009	275.2244	84.5902	13.71737303	4927		
1	12149U	81	6	A	81	53.25795918	.00001155	00000-0	13341-2 0	437
2	12149	65.8255	126.1349	0024312	272.5965	87.2267	13.71733138	5750		
1	12149U	81	6	A	81	54.27852974	-.00000057	00000-0	-33210-4 0	495
2	12149	65.8257	123.5735	0024075	272.7416	87.3812	13.71723308	5390		
1	12149U	81	6	A	81	57.26773408	-.00004813	00000-0	-52773-2 0	525
2	12149	65.8230	116.3291	0023930	271.2249	88.5985	13.71777914	6304		

1	121490	81	6	A	81	59.30907402	.00000450	00000-0	35759-3 0	557
2	12149	65.3226	111.3089	0023878	271.0119	88.3213	13.71785708	6539		

1	121490	81	6	A	81	70.25533307	-.00000032	00000-0	00000 0 0	577
2	12149	65.3228	108.9775	0023950	273.4337	89.3458	13.71734025	6710		

1	121490	81	6	A	81	74.26651070	.00007657	00000-0	84973-2 0	614
2	12149	65.3234	99.1239	0023853	270.5450	89.3086	13.71799741	7252		

81-07A

Progress 12

1	12152U	81	7	A	81	24.58792335	-.00008164	56393-4	00000 0 0	05
2	12152	51.6811	348.2746	0074916	87.2059	273.7530	16.12546053			07

1	12152U	81	7	A	81	24.83546017	-.00008244	57025-4	00000 0 0	22
2	12152	51.6625	346.9828	0076306	95.1718	265.8013	16.15565642			41

1	12152U	81	7	A	81	25.02211151	-.00000635	00000-0	00000 0 0	35
2	12152	51.6738	345.9819	0052453	219.8897	139.8256	15.99713994			73

1	12152U	81	7	A	81	25.27198310	.00089341	11574-4	15137-3 0	49
2	12152	51.6739	344.6524	0051972	221.9749	137.7531	15.99795563			117

1	12152U				81	25.64675579	.00087596	10540-4	15293-3 0	57
2	12152	51.6695	342.6595	0047831	220.9845	138.7568	15.98618542			21

1	12152U				81	26.02181250	.00087068	10483-4	15293-3 0	70
2	12152	51.6699	340.6558	0046176	226.1856	133.4883	15.98668407			95

1	12152U		81	26.33435914	.00194344	22890-4	35426-3 0	84
2	12152	51.6711	338.9936	0046047	227.4202	132.3766	15.98827398	137
1	12152U	81-007A	81	27.15013910	.00096205	00000-0	33041-3 0	106
2	12152	51.6205	334.5920	0018935	286.4444	73.4482	15.38573731	417
1	12152U		81	26.64684578	.00182009	20975-4	33041-3 0	99
2	12152	51.6708	337.3296	0045804	228.6617	131.2239	15.99933254	330
1	12152U	81-007A	81	28.34525745	-.00000428	00000-0	00000 0 0	122
2	12152	51.6121	328.3302	0019459	300.1974	59.7104	15.88674642	605
1	12152U	81-007A	81	28.34525745	-.00000428	00000-0	00000 0 0	133
2	12152	51.6121	328.3302	0019459	300.1974	59.7104	15.38674642	605
1	12152U	81-007A	81	30.30110 84	.0010829	00000-0	45 51-3 0	150
2	12152	51.6176	318.1218	0044219	293.2347	65.7236	15.82943270	14
1	12152U	81-007A	81	36.33725102	.00079570	00000-0	58249-3 0	203
2	12152	51.6142	287.1648	0008149	56.1775	294.0201	15.72444899	1868
1	12152U	81-007A	81	39.19677313	.00080893	00000-0	58249-3 0	249
2	12152	51.6171	272.5014	0008664	71.7637	288.4304	15.72822027	2311
1	12152U	81-007A	81	40.40392944	.00053925	00000-0	42352-3 0	253
2	12152	51.6127	265.3147	0008263	78.9355	291.2574	15.72956790	2507
1	12152U	81-007A	81	43.32606695	.00052595	00000-0	37442-3 0	292
2	12152	51.6163	251.3175	0007676	99.8690	270.2419	15.73273844	2962

81-07A

Progress 12

for 15-1

1	12152U	81-007A	81	43.32676685	.00052595	00000-0	37442-3 0	232
2	12152	51.6153	251.3176	0007676	39.8630	277.2419	15.73273844	2362

1	12152U	81-007A	81	44.40536072	.00053171	00000-0	37549-3 0	301
2	12152	51.6153	245.7780	0007499	37.4479	262.7546	15.73397395	3132

1	12152U	81-007A	81	47.00969032	.00054841	00000-0	33344-3 0	311
2	12152	51.6125	232.4027	0007447	109.3302	250.8503	15.73579528194891	

1	12152U	81-007A	81	49.91453359	.00046495	00000-0	32300-3 0	325
2	12152	51.6139	222.6110	0007644	100.3118	259.8744	15.73894862195194	

1	12152U	81-007A	81	52.53326223	.00065799	00000-0	44573-3 0	330
2	12152	51.6125	204.0289	0006394	117.3699	242.8035	15.74346903	3905

1	12152U	81-007A	81	53.29494733	.00069572	00000-0	46363-3 0	356
2	12152	51.6139	200.1107	0006547	118.1242	242.0968	15.74458305	4029

1	12152U	81-007A	81	51.29078665	.00049123	00000-0	35029-3 0	350
2	12152	51.6132	153.9914	0009405	227.1294	132.9917	15.73243432	5283

1	12152U	81-007A	81	52.37059056	.00084802	00000-0	59380-3 0	384
2	12152	51.6123	153.4434	0009720	233.8702	125.3619	15.73443459	5455

1 12152U 81-007A 81 33.25967521 .00075563 00000-0 53481-3 0 390
2 12152 51.6122 148.3772 0009621 240.5545 119.3914 15.73572224 5596

1 12152V 81-007A 81 59.16383213 .02250972 00000-0 11599-1 0 437
2 12152 51.6158 119.5417 0010257 265.3427 94.1401 15.74568453 7037

1 12152W 81-007A 81 79.69578669 .00166163 00000-0 10503-2 0 517
2 12152 51.5299 64.3595 0012281 254.0043 105.9605 15.75453132 6694

1 12152X 81-007A 81 79.69578669 .00166163 00000-0 10503-2 0 506
2 12152 51.5299 64.3595 0012281 254.0043 105.9605 15.75453132200017

81-08A

Kosmos 1242

1	12154U	81	8	A	81	27.61479204	.00000009	00000-0	00000 0 0	13
2	12154	81.1643	15.1660	0015232		96.4047	263.9896	14.79245322		00
1	12154U	1981-008	81		27.81834140	.00000009	00000-0	00000 0 0		21
2	12154	81.1744	14.9360	0022769		94.7603	266.9205	14.75497321		34
1	12155U	1981-008	81		27.75043492	.00000009	00000-0	00000 0 0		33
2	12155	81.2124	15.0256	0021249		126.1476	234.1701	14.74418231		23
1	12155U	1981-008	81		27.95392384	.00000009	00000-0	00000 0 0		59
2	12155	81.1780	14.7869	0053946		150.0197	210.4117	14.74931573		51
1	12155U	1981-008	81		29.10661204	.00001664	00000-0	22573-3 0		72
2	12155	81.1877	13.5156	0084005		158.0794	202.4043	14.75800372		225

81-09A

Molviya 1-BA

1	12159U		81	30.73684482	-.00000084	00000-0	99999-4 0	19
2	12159	62.7922	326.4128	7462654	279.9662	11.4290	1.95358125	77
1	12159U		81	31.75450030	.00000026	00000-0	00000 0 0	27
2	12159	62.8075	326.2271	7469326	280.0425	11.7398	1.96778005	23
1	12157U		81	32.37950547	.00850297	11077-4	13378-3 0	77
2	12157	62.8344	320.0915	0169682	131.7300	229.8500	15.33440897	265
1	12158U		81	32.31249766	.01314694	38005-4	14524-3 0	88
2	12158	62.8221	320.2533	0179460	120.5044	241.3977	15.38038512	252
1	12156U		81	30.73684536	-.00000106	00000-0	00000 0 0	10
2	12156	62.8237	326.3885	7478317	280.0847	10.6 47	1.95807940	17
1	12157U	81009	B	81042.96633758	.02903089	00000-0	00000-0 0 00319	
2	12157	062.3206	278.7622	0076315	135.1766	225.6509	16.14750099001958	

81-11A

Interkosmos 21

1	12162U	81	11	A	81	37.38362209	-.20000029	00000-0	00000 0 0	16
2	12162	74.0297	264.4742	0030364	338.7671	21.2266	15.24015469			13

1	12162U	81	11	A	81	37.65219854	-.00000029	00000-0	00000 0 0	28
2	12162	74.0288	263.9150	0029237	337.5884	22.4035	15.24009996			56

1	12162U	81	11	A	81	33.30864698	-.00000029	00000-0	00000 0 0	34
2	12162	74.0359	262.5336	0028809	335.7116	24.3466	15.24033417			153

1	12162U	81	11	A	81	39.37427721	.00032039	00000-0	12996-2 0	49
2	12162	74.0358	262.3966	0029432	336.1955	23.3180	15.24075267			163

81-10A

Kosmos 1243

1	12161U		81	33.09209690	-.00005161	35637-4	00000 0 0	27
2	12161	65.1730	202.1759	0188523	282.2787	75.7346	16.33555261	03
1	12162U		81	33.15302929	-.00000166	00000-0	00000 0 0	24
2	12160	65.8198	200.2189	0511348	250.4593	104.7104	14.71803474	00

1	12161U		81	34.32468613	.13447126	35940-4	14393-3 0	71
2	12161	65.0846	197.5677	0095139	40.2638	324.5010	16.35358160	209

1	12161U		81	34.38513421	.14745992	36389-4	15992-3 0	97
2	12161	65.0944	197.3271	0087103	41.2906	319.5828	16.37103419	216

81-12A

ETS-4 (KILL3)

1	12295U	81	13	B	81	43.03254703	.00000292	00000-0	00000 0 0	19
2	12295	30.3457	300.3511	0129527	189.5890	170.2275	15.33013800			03
1	12295U	81	13	B	81	43.34571046	.00753615	21739-3	13380-2 0	29
2	12295	30.3576	298.0137	0121131	192.1790	167.5881	15.39551093			58
1	12295U				81	42.58307280	.00000251	00000-0	99999-4 0	24
2	12295	29.6124	304.9903	7306158	190.2922	179.3983	2.24546495			109
1	12295U				81	44.90714034	.00000317	00000-0	99999-4 0	40
2	12295	29.6015	304.3041	7297153	131.6550	134.7759	2.23159795			151

81-13A

Kosmos 1244

1	12297U	81 13	A	91	43.32370364	.00000006	00000-0	00000	0 0	12
2	12297	82.9132		86.0593	0026944	293.5437	75.2717	13.74161441		17

1	12297U	81013	A	81043.75072285	.00003973	00000-0	00000-0	0 0	00017
2	12297	082.9193		085.1553	0041907	301.0526	059.7056	13.70907742000001	

1	12297U	81013	A	81043.75086214	.00003973	00000-0	00000-0	0 0	00025
2	12297	082.9134		086.1488	0040094	293.8572	075.8667	13.73467176000005	

81-14A

Kosmos

1245

1	12299U	81714	A	81044.46049435	.00035490	00000-0	00000-0	0	00037
2	12299	72.3309		316.3921	0135427	084.3770	277.3410	15.95631327000001	
1	12299U			81 44.46048595	-.00001647	11206-4	00000	0	29
2	12299	72.3443		316.9902	0135298	84.3716	277.2924	15.95653594	03
1	12300U			81 44.46048647	-.00001693	11733-4	00000	0	25
2	12300	72.3293		316.9317	0129348	84.0068	277.5395	15.95987530	05
1	12299U			81 45.14975175	-.00001671	11563-4	00000	0	31
2	12299	72.3493		316.2259	0125410	84.5961	276.9563	16.00695075	110
1	12299U			81 45.98627303	.00015667	00000-0	17780-3	0	70
2	12299	72.9376		313.1357	0045136	210.0437	149.3185	15.61059070	249
1	12299U			81 46.24261418	.00041120	00000-0	45245-3	0	93
2	12299	72.9382		312.5724	0045097	209.2596	150.6205	15.51091278	297
1	12299U			81 50.27995720	-.00000062	00000-0	00000	0	122
2	12299	72.3372		302.9089	0044599	199.8001	160.1304	15.51078452	919

1	12299U		81	49.35741405	.00009830	00000-0	11230-3 0	107
2	12299	72.8361	307.5079	0044104	204.3591	155.5126	15.61093985	517

1	12299U		31	52.26655473	.00003784	00000-0	43355-4 0	142
2	12299	72.8377	298.1553	0044331	195.1803	164.7957	15.61105748	1225

1	12299U		31	53.22790808	.00005221	00000-0	59525-4 0	154
2	12299	72.8366	295.9551	0043973	192.9715	167.0456	15.61117903	1375

1	12299U		31	54.31721454	.00017566	00000-0	19906-3 0	161
2	12299	72.8388	293.2459	0043809	191.0508	169.9756	15.61142346	1543

1	12299U		31	55.27943406	.00004056	00000-0	45405-4 0	175
2	12299	72.8384	290.9452	0043737	188.0447	171.3767	15.61133241	1694

1	12299U		31	56.23969135	.00004253	00000-0	45405-4 0	188
2	12299	72.8367	288.6434	0043331	185.8349	171.2391	15.61142123	1845

1	12299U		31	57.26500115	.00003354	00000-0	94535-4 0	193
2	12299	72.8373	285.1902	0043453	184.1659	175.9720	15.61166108	2001

81-15A

Kosmos 1246

1	123010	81 15	A 81	49.36953731	-.00005090	35078-4	00000 0 0	15
2	12301	64.3821	319.1723	0053469	54.7353	305.3300	16.15109921	09
1	123010	81 15	A 81	49.55534130	-.00005011	34503-4	00000 0 0	22
2	12301	64.9239	318.5003	0055873	57.5023	303.1534	16.14709408	34
1	123010	81 15	A 81	50.17462329	.00332610	34818-4	23597-4 0	39
2	12301	64.9036	316.1725	0056090	57.7844	302.8805	16.15104881	132
1	123010	81 15	A 81	50.29945946	.00332317	34973-4	23532-4 0	43
2	12301	64.9035	315.7142	0055983	57.7237	302.9342	16.15198400	150
1	123010	81 15	A 81	51.35081611	.00272996	34809-4	13924-4 0	51
2	12301	64.9005	311.7938	0055052	57.4008	302.9409	16.15756706	322
1	123010	81 15	A 81	52.21727191	.00341765	35150-4	22998-4 0	55
2	12301	64.9010	308.5576	0054098	56.5991	304.0922	16.13316458	465
1	123010	81 15	A 81	52.40300553	.00273259	00000-0	22998-4 0	75
2	12301	64.9039	307.8659	0042042	50.6571	309.8316	16.13354556	496

1	123010	81	15	A	81	52.65094439	.00279756	00000-0	22999-4 0	31
2	12301	64.9046	305.9477	0041690		51.0016	309.4794	16.13481534		533

1	123010	81	15	A	91	53.27070363	.00283332	00000-0	22999-4 0	95
2	12301	64.9013	304.6437	0040862		50.6144	309.7591	16.13731704		630

1	123010	91	15	A	81	54.32403252	.00247574	00000-0	19503-4 0	107
2	12301	64.9008	300.7249	0040870		49.9254	310.1350	16.14255623		804

1	123010	81	15	A	81	55.25325387	.00257351	00000-0	19394-4 0	119
2	12301	64.9089	297.2529	0040737		50.4060	310.0016	16.14713626		959

1	123010	81	15	A	81	55.25325387	.00257351	00000-0	19394-4 0	120
2	12301	64.9089	297.2529	0040737		50.4060	310.0016	16.14713626		959

1	123010	81	15	A	81	57.23456487	.00370260	00000-0	27534-4 0	131
2	12301	64.9053	299.8788	0039140		47.5120	313.4398	16.15931191		1275

1	123010	81	15	A	81	57.29659332	.00333225	00000-0	27534-4 0	149
2	12301	64.9000	299.6517	0047989		59.7571	300.3347	15.12879075		1292

1	123010	81	15	A	81	58.28848417	.00269369	00000-0	21755-4 0	152
2	12301	64.9010	285.9650	0046289		59.3414	300.6590	16.13485640		1444

1	123010	81	15	A	81	59.40395989	.00273062	00000-0	21755-4 0	153
2	12301	64.9024	281.9174	0045287		59.8523	300.3315	16.14124439		1622

1	123010	81	15	A	81	61.33571150	.00337248	00000-0	24690-4 0	193
2	12301	64.8997	274.4304	0043506		57.7903	302.3475	16.15499204		1948

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Kosmos 1246

forts. 1

1	12301U	91 15	A 91	62.25220969	.00237555	00000-0	21290-4 0	200
2	12301	64.3979	271.1985	0043131	57.3099	302.3592	16.15954724	2033
1	12301U	91 15	A 91	63.05669194	.00341344	34933-4	24039-4 0	213
2	12301	64.3012	268.1919	0042019	57.0291	303.7914	16.15562343	2215
1	12301U	91 15	A 91	63.24222778	.00340390	35103-4	23352-4 0	220
2	12301	64.3979	267.5005	0041536	56.9797	303.5440	16.15690698	2247
1	12301U	91 15	A 91	64.35643301	.00247816	00000-0	23352-4 0	235
2	12301	64.3934	263.3543	0042738	59.9928	270.7175	16.10369922	2423
1	12301U	91 15	A 91	64.48046149	.00292202	00000-0	23352-4 0	245
2	12301	64.3966	262.8955	0049227	117.3143	243.3055	16.12352243	2449
1	12301U	91 15	A 91	65.22457513	.00403487	00000-0	33163-4 0	253
2	12301	64.3964	267.1226	0048382	116.7137	244.0979	16.12940397	2566
1	12301U	91 15	A 91	67.20797668	.00343022	00000-0	25353-4 0	272
2	12301	64.3953	262.7405	0046030	116.0681	244.5242	16.14237542	2631
1	12301U	91 15	A 91	67.25992952	.00340556	00000-0	25353-4 0	282
2	12301	64.3969	262.5199	0045717	115.1953	245.4205	16.14292391	2392
1	12301U	91 15	A 91	68.38478690	.00355122	00000-0	25423-4 0	296
2	12301	64.3926	248.3582	0044990	115.2059	245.3826	16.15077991	3073

1	123217	81	15	A	81	69.12771837	.30309523	00000-0	26426-4	0	307
2	12321	64.3894	245.5361	0040169	123.9558	231.5407	16.12870232				3192
1	123210	81	15	A	81	73.24361640	.30294137	00000-0	24310-4	0	311
2	12321	64.3921	241.4382	0040250	129.8935	231.4006	16.13493171				3378

81-16A

Kosmos 1247

1	12303U		81	50.46742242	-.00000025	00000-0	00000 0 0	26
2	12303	62.9278	248.9113	7341571	316.1172	4.9264	2.03747412	29

1	12303U		81	50.95835054	.00000037	00000-0	00000 0 0	30
2	12303	62.9376	248.8629	7342310	316.0993	4.9224	2.03697282	26

1	12303U		81	55.39717760	-.00000903	00000-0	00000 0 0	115
2	12303	62.7593	248.2294	7367062	316.1241	3.7902	2.00676090	115

81-17A

Astro 1 (Hinotori)

1	12309U		81	53.22009673	-.00000049	00000-0	00000 0 0		13
2	12309	20.6745	315.4527	7218000	179.4578	192.3057	2.23763688		32
1	12307U		81	52.34151189	.00000035	00000-0	00000 0 0		13
2	12307	31.3609	139.1376	0046791	105.4056	255.1758	14.37449421		12
1	12307U		81	52.40872016	.00000035	00000-0	00000 0 0		20
2	12307	31.3331	187.7913	0047476	100.7312	259.8301	14.37498645		23
1	12309U		81	52.34165134	.00000036	00000-0	00000 0 0		19
2	12308	31.3229	139.1397	0051859	104.4945	256.1454	14.37417734		15
1	12309U		81	52.47537613	.00000036	00000-0	00000 0 0		24
2	12308	31.3216	137.3535	0050435	105.6406	254.9304	14.37333385		34
1	12310U		81	51.53508615	.00065594	00000-0	58569-2 0		50
2	12310	31.3549	131.0319	0138064	130.3193	230.6572	14.39171235	1330	

81-18A

Comstar 1D

1	12309U		81	53.22009673	-.00000049	00000-0	00000 0 0	29
2	12309	20.6745	316.4527	7218000	179.4578	132.3057	2.20759598	02

1	12309U		81	62.93232196	.00000050	00000-0	00000 0 0	55
2	12309	0.2111	254.6745	0048000	212.0939	253.7320	1.00989364	09

81-19A

1	12315U	81	19	A	81	61.20697566	.01317914	34436-5	35037-4 0	79
2	12315	96.3938	143.3512	0147857	157.1945	203.6718	16.15533474			224

1	12315U	81	19	A	81	61.78326826	.00814262	38998-5	21338-4 0	65
2	12315	96.3819	143.7292	0149720	157.5622	203.2309	16.15178571			202

1	12315U	81	19	A	81	63.24775719	.01266190	39908-5	29564-4 0	90
2	12315	96.3788	146.3537	0129432	148.4224	212.6731	16.20849150			352

1	12315U	81	19	A	81	64.29644655	.01424211	90979-5	30212-4 0	104
2	12315	96.3699	146.3857	0120118	144.2294	217.2424	16.23792315			724

81-20A

Kosmos 1248

1	12317U	91 20	A	91	65.75134166	-.00004045	27935-4	00000 0 0	24
2	12317	67.1394		13.3895	0130730	70.3261	291.2438	16.75337224	66

1	12317U	91 20	A	91	65.36321365	-.00004046	23097-4	00000 0 0	35
2	12317	67.1450		12.3419	0129527	70.8357	290.6555	16.05961751	110

1	12317U	91 20	A	91	67.22908363	.00863747	27516-4	40041-4 0	66
2	12317	67.1477		6.0378	0121890	67.6245	293.9277	16.09639374	415

1	12317U	91 20	A	91	69.34630528	.00913319	28457-4	43447-4 0	71
2	12317	67.1437		2.2437	0115702	66.3138	295.4407	16.11798387	591

1	12317U	91 20	A	91	69.34630528	.00913319	28457-4	43447-4 0	32
2	12317	67.1437		2.2487	0115702	66.3188	295.4407	16.11798387	603

1	12317U	91 20	A	91	69.27703660	.00949332	28214-4	46538-4 0	93
2	12317	67.1409		359.0330	0111530	66.5407	295.9185	16.13598760	755

1 12317U 81 20 A 81 70.02043001 .01016605 28301-4 46588-4 0 106
2 12317 67.1331 356.5333 0108100 55.9913 295.3543 16.15200745 974

1 12317U 81 20 A 81 71.13413297 .01257519 28120-4 52147-4 0 128
2 12317 67.1331 352.7379 0100098 53.7321 297.7736 16.17995173 1754

1 12317U 81 20 A 81 71.25738579 .01293743 28793-4 52994-4 0 133
2 12317 67.1373 352.3139 0099042 53.7324 297.3915 16.18347239 1071

1 12317U 81 20 A 81 71.56854533 .00928704 27533-4 52994-4 0 141
2 12317 67.1163 351.2435 0143384 59.8032 271.9587 16.05703943 1127

1 12317U 81 20 A 81 72.25344945 .00903515 27999-4 52936-4 0 150
2 12317 67.1331 343.9481 0133667 61.0471 280.6297 16.07354135 1232

1 12317U 81 20 A 81 74.36665324 .01105179 28558-4 55524-4 0 172
2 12317 67.1325 341.7924 0121653 73.9535 282;5474 15.11508028 1577

1 12317U 81 20 A 81 75.23503244 .01110080 28371-4 51325-4 0 132
2 12317 67.1329 338.8409 0116804 78.1471 283.2947 16.13448397 1717

1 12317U 81 20 A 81 75.97945405 .01174181 28326-4 51376-4 0 195
2 12317 67.1304 336.3013 0111675 77.4723 283.3940 16.15236273 1230

1 12317U 81 20 A 81 75.41175243 .01299692 28644-4 54344-4 0 208
2 12317 67.1317 334.8205 0108403 75.9339 284.6346 16.13490387 1902

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Kosmos 1248 for ts. 1

1	12317U	91 20	A 91	77.21554019	.01431989	28718-4	55220-4 0	214
2	12317	67.1352	332.0544	0101776	76.5515	284.9493	16.13783241	2038

1	12317U	91 20	A 91	77.95701905	.00874792	27335-4	54390-4 0	236
2	12317	67.1398	329.5452	0142450	51.9407	309.4535	16.04556679	2153

1	12317U	91 20	A 91	79.32728261	.00903114	27754-4	51598-4 0	240
2	12317	67.1286	324.9063	0135537	60.0163	311.2834	16.07079069	2373

1	12317U	91 20	A 91	79.99720914	.00937733	27756-4	52144-4 0	252
2	12317	67.1339	323.0126	0131989	49.6921	311.5735	16.03155295	2463

1	12317U	91 20	A 91	80.44691420	.00977152	27549-4	52589-4 0	267
2	12317	67.1296	321.1197	0128246	48.9364	312.7311	16.09314544	2555

1	12317U	91 20	A 91	81.31636279	.01092353	28139-4	54556-4 0	272
2	12317	67.1297	318.1707	0123933	43.4035	313.0047	16.11200522	2595

1	12317U	91 20	A 91	82.30337263	.01121096	27890-4	51961-4 0	290
2	12317	67.1334	314.7933	0117433	47.4260	313.3167	16.13447211	2355

1 12317U 81 20 A 81 82.86545472 .01347079 28330-4 59511-4 0 295
2 12317 67.1368 312.3964 0112136 47.2034 313.3521 16.15058128 2949

1 12317U 81 20 A 81 82.36545472 .01347079 28330-4 59511-4 0 303
2 12317 67.1368 312.3964 0112136 47.2034 313.3521 16.15058128 2949

1 12317J 81 20 A 81 83.91368006 .01011173 27942-4 59511-4 0 317
2 12317 67.1334 309.3097 0142089 61.1344 300.4018 16.05463146 3111

1 12317U 81 20 A 81 84.29235950 .01173195 27830-4 60999-4 0 327
2 12317 67.1364 303.0264 0146570 55.4179 305.7524 16.05499272 3173

1 12317J 81 20 A 81 85.53617944 .01462741 28357-4 67398-4 0 323
2 12317 67.1234 303.8286 0136380 54.2955 307.0867 16.10038608 3377

1 12317U 81 20 A 81 85.28764170 .01446708 28395-4 68752-4 0 331
2 12317 67.1232 304.6710 0138519 54.4523 306.9483 16.09297444 3335

1 12317J 81 20 A 81 85.53617944 .01462741 28357-4 67398-4 0 342
2 12317 67.1234 303.8286 0136380 54.2955 307.0867 16.10038608 3377

1 12317U 81 20 A 81 85.97067054 .01668105 28600-4 67398-4 0 351
2 12317 67.1317 302.3501 0122878 54.3099 305.9457 16.13434679 3441

1 12317U 81 20 A 81 85.28052196 .01605806 28313-4 67192-4 0 359
2 12317 67.1241 301.2931 0120037 54.0464 307.2196 16.14479835 3495

81-20A

Kosmos 1248

for ts. 2

1	12317U	81 20	A 81	39.00048029	.00302750	27323-4	25153-3 0	424
2	12317	67.1147	291.9497	0150729	82.7574	279.0721	15.04202654	3933
1	12317U	81 20	A 81	39.24933699	.00804526	27939-4	25153-3 0	434
2	12317	67.1216	291.1159	0143577	82.7923	279.0939	16.04655178	3970
1	12317U	81 20	A 81	39.49978029	.31053415	28013-4	31507-3 0	440
2	12317	67.1171	297.2330	0147683	81.5652	280.2246	15.05338729	4012
1	12317U	81 20	A 81	39.93505036	.05620595	28068-4	31507-3 0	454
2	12317	67.1310	288.7951	0140593	80.9989	280.7083	16.05430331	4055
1	12317U	81 20	A 81	39.18405276	.05975152	28313-4	31507-3 0	453
2	12317	67.1204	287.9567	0144473	80.3089	280.9411	15.05638738	4127
1	12317U	81 20	A 81	39.30349331	.01535313	27931-4	59372-4 0	479
2	12317	67.1194	287.5492	0141843	80.7930	280.3310	15.07330731	4145
1	12317U	81 20	A 81	31.30328744	.01378040	28384-4	55564-4 0	483
2	12317	67.1166	284.1336	0134156	79.9155	281.7527	15.10034190	4308
1	12317U	81 20	A 81	31.61378431	.01459692	28279-4	57117-4 0	497
2	12317	67.1193	283.1303	0131824	79.5339	282.0179	15.11007204	4355

1	123170	81	20	A	31	92.17225160	.01514117	23874-4	66767-4	0	502
2	12317	67.1140	291.2305	0126436			78.9629	282.7216	15.12738866		4443

1	123170	81	20	A	31	93.22539613	.01625219	23620-4	63573-4	0	512
2	12317	67.1230	277.6334	0115747			79.3227	293.7968	16.13179260		4614

1	123170	81	20	A	81	93.78196043	.01316633	29456-4	65137-4	0	523
2	12317	67.1272	275.7397	0110693			77.6431	293.7129	16.13309135		4700

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Kosmos 1249

1	12319U	81	21	A	81	64.87377737	-.00000396	00000-0	00000 0 0	19
2	12319	65.0002	110.0610	0021932	275.0174	64.3494	16.05373268			12

1	12319U	81	21	A	81	65.18508227	-.00000372	00000-0	00000 0 0	23
2	12319	64.9914	108.9442	0009855	268.2551	61.7539	16.05168187			69

1	12319U	81	21	A	81	65.18508227	-.00000372	00000-0	00000 0 0	29
2	12319	64.9914	108.9442	0009855	268.2551	61.7539	16.05168187			69

1	12319U	81	21	A	81	65.37187657	-.00000369	00000-0	00000 0 0	35
2	12319	64.9905	108.2568	0010059	271.0769	69.9475	16.05139729			97

1	12319U	81	21	A	81	67.05276312	.00090910	82982-5	12371-3 0	54
2	12319	64.9877	102.0954	0011823	281.1118	78.8723	16.05102394			363

1	12319U	81	21	A	81	67.05276312	.00090910	82982-5	12371-3 0	65
2	12319	64.9877	102.0954	0011823	281.1118	78.8723	16.05102394			363

1	12319U	81	21	A	81	53.36028292	.00000359	00000-0	00000 0 0	71
2	12319	64.9908	97.3037	0010250	277.3570	82.6855	16.05272529			579

1	12319U	81	21	A	81	53.36028292	.00000359	00000-0	00000 0 0	92
2	12319	64.9908	97.3037	0010250	277.3570	82.6855	16.05272529			587

1	12319U	81	21	A	81	59.29419049	.00077447	00000-0	99853-4 0	97
2	12319	64.9899	93.9807	0011615	276.0306	84.3714	16.05495426			736

1	12319U	81	21	A	81	71.03729851	.00097454	37995-5	13294-3 0	120
2	12319	64.9943	87.4875	0009977	254.9927	85.0106	16.05086354			1019

1	12319U	81	21	A	81	71.28536773	.00097867	37679-5	13294-3 0	135
2	12319	64.9919	86.5774	0010347	272.4130	87.5890	16.05148903			1055

1	12319U	81	21	A	81	72.29255844	.00104717	94229-5	14029-3 0	142
2	12319	64.9917	82.9185	0009762	263.6909	96.3752	16.05359814			1215

1	12319U	81	21	A	81	73.46545907	.00063108	00000-0	82786-4 0	163
2	12319	64.9876	73.5811	0009157	272.0315	87.9847	16.05335006			1424

1	12319U	81	21	A	81	74.39930333	.00113214	10357-4	14996-3 0	175
2	12319	64.9908	75.1576	0009243	272.0834	88.0407	16.05536371			1555

1	12319U	81	21	A	81	74.95956318	.00110406	10031-4	14996-3 0	189
2	12319	64.9924	73.1002	0012173	271.9158	89.0518	16.05068654			1646

1	12319U	81	21	A	81	75.27090091	.00210430	24754-4	23215-3 0	197
2	12319	64.9936	71.9593	0011580	259.7522	90.2256	16.05177496			1691

8T-21A

Kosmos 1249 forts. T

1	12319U	81	21	A	81	75.75998470	.00104451	95159-5	14045-3	0	201
2	12319	64.9926	70.1333	0011447	272.2795	87.5729	16.05254912	1772			

1	12319U	81	21	A	81	76.51610626	.00097725	89323-5	13044-3	0	213
2	12319	64.9913	67.3923	0011414	270.1084	89.8347	16.05403318	1992			

1	12319U	81	21	A	81	79.13093075	.00142249	13663-4	18975-3	0	243
2	12319	64.9907	67.3035	0010922	269.4391	91.5538	16.05334490	2310			

1	12319U	81	21	A	81	79.50453075	-.00002119	00000-0	-22395-5	0	269
2	12319	64.9848	56.4517	0010096	231.9353	79.0686	16.05401896	2370			

1	12319U	81	21	A	81	79.87306665	-.00002119	00000-0	-22395-5	0	277
2	12319	64.9892	56.0598	0010937	269.6501	90.3619	16.05334299	2431			

1	12319U	81	21	A	81	80.43343357	.00085739	70056-5	11711-3	0	265
2	12319	64.9858	53.0048	0010299	279.4550	30.5357	16.05279893	2527			

1	12319U	81	21	A	81	81.31004129	.00095097	86111-5	12598-3	0	299
2	12319	64.9912	49.3097	0010058	278.9910	81.0210	16.05446962	2555			

1	123190	81	21	A	81	82.36829388	.00042335	00000-0	55999-4	0	303
2	12319	64.9939	45.9255	0009904	254.1957	95.1073	16.05315817				2831

1	123190	81	21	A	81	83.30228193	.00042513	00000-0	55999-4	0	319
2	12319	64.9940	42.5012	0010463	272.6854	87.2534	16.05351234				2931

1	123190	81	21	A	81	84.36064750	.00019465	00000-0	25035-4	0	323
2	12319	64.9943	39.6205	0010258	239.6773	90.1148	16.05344573				3153

1	123190	81	21	A	81	85.29456563	.00153067	15045-4	20361-3	0	335
2	12319	64.9875	35.2006	0009543	267.0968	92.9549	16.05396108				3305

1	123190	81	21	A	81	85.91713628	.00151718	14995-4	20361-3	0	301
2	12319	64.9950	32.9070	0010569	248.0005	91.0955	16.05336613				3106

1	123190	81	21	A	81	86.35295385	.00139894	13229-4	13630-3	0	345
2	12319	64.9996	31.3149	0010122	270.7779	89.2354	16.05379577				3473

1	123190	81	21	A	81	89.21533519	.00002040	00000-0	31743-5	0	412
2	12319	64.9921	20.9145	0011157	254.2069	95.7501	16.05341434				3939

1	123190	81	21	A	81	90.27523001	.00006150	00000-0	85733-5	0	423
2	12319	64.9911	13.9351	0010558	271.0708	98.9216	16.05359151				4101

1	123190	81	21	A	81	91.27137014	.00005141	00000-0	85733-5	0	430
2	12319	64.9911	13.2742	0010221	259.3251	90.5697	16.05334884				4263

1	123190	81	21	A	81	92.26730425	.00000498	00000-0	11459-5	0	445
2	12319	64.9921	9.6215	0009473	259.3849	90.5673	16.05329968				4425

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Kosmos 1249

forts-2

1	12319U	81 21	A 31	93.26365442	.00012155	00000-0	16465-4 0	454
2	12319	64.9942		3.9595	0009576	267.0461	93.0409 16.05361104	4530

1	12319U	81 21	A 31	94.69553365	.00149610	14604-4	19999-3 0	475
2	12319	64.9871		0.7235	0009740	264.7990	94.9638 16.05318418	4911

1	12319J	81 21	A 31	95.25590975	.00130393	12148-4	17364-3 0	491
2	12319	64.9906		358.6692	0010395	274.7719	95.2026 16.05390489	4908

1	12319U	81 21	A 81	94.25976964	.00191601	21272-4	25387-3 0	465
2	12319	64.9926		2.3182	0010052	274.2202	95.7974 16.05416611	4743

1	12319U	81 21	A 81	97.24312098	.00115933	10571-4	15476-3 0	517
2	12319	64.9906		351.3561	0009726	270.5050	99.1653 16.05430419	5222

1	12319U	81 21	A 31	97.99527562	.00130916	12293-4	17433-3 0	524
2	12319	64.9852		343.6149	0009515	266.8125	93.1957 16.05354723	5345

1	12319U	81 21	A 31	98.24430166	-.00013416	00000-0	-17259-4 0	536
2	12319	64.9891		347.7029	0009708	263.3123	96.6619 16.05331640	5384

1	123190	81	21	A	81170.42334843	.70013431	00000-7	24669-4	0	561
2	12319	64.9865	339.7070	0009730	270.8793	99.1261	16.05365985			5739

1	123190	81	21	A	81101.23270973	.70039304	00000-0	51781-4	0	572
2	12319	64.9868	335.7418	0010731	262.1570	97.8375	16.05363161			5868

1	123190	81	21	A	81103.22498327	.00005865	00000-7	95174-5	0	595
2	12319	64.9928	329.4381	0010626	259.3424	90.5837	16.05344669			5184

1	123190	81	21	A	81174.22110973	-.00007325	00000-0	-91545-5	0	603
2	12319	64.9911	325.7821	0011292	255.9838	92.9749	16.05330713			5346

1	123190	81	21	A	81102.04203915	-.00005854	00000-0	-72200-5	0	590
2	12319	64.9874	333.7750	0011318	265.0528	94.7667	16.05331535			5991

1	123190	81	21	A	81105.27951520	.00023545	00000-0	31294-4	0	610
2	12319	64.9874	321.9005	0010487	271.5037	88.5323	16.05376320			6516

1	123190	81	21	A	81106.27550806	.00023561	00000-0	31294-4	0	629
2	12319	64.9901	318.2481	0011050	263.6421	95.1545	16.05376769			6675

1	123190	81	21	A	81107.33402099	.00096728	98819-5	12881-3	0	631
2	12319	64.9889	314.3662	0010708	270.5910	99.4429	16.05453689			6840

1	123190	81	21	A	81109.26405878	.00099823	90762-5	13313-7	0	669
2	12319	64.9859	307.2870	0010609	272.9380	97.1463	16.05425720			7154

1	123190	81	21	A	81107.58305419	-.00039190	00000-0	-50149-4	0	647
2	12319	64.9945	313.4460	0011079	258.0437	101.9509	16.05333434			6882

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Kosmos 1249

forts. 3

1	12319U	81	21	A	81108.25790977	-.00003776	00000-0	-44885-5 0	656
2	12319	64.9912	310.9394	0010154	265.5351	94.4290	16.05329641	6996	

1	12319U	81	21	A	81110.38457581	.00021633	00000-0	28725-4 0	683
2	12319	64.9846	303.1727	0011033	255.7220	93.2775	16.05406219	7332	

1	12319U	81	21	A	81111.25524604	.00029154	00000-0	33464-4 0	697
2	12319	64.9877	299.9781	0010331	257.1330	92.5917	16.05433032	7479	

1	12319U	81	21	A	81113.31075433	.00110138	10137-4	14568-3 0	739
2	12319	64.9855	292.4399	0010581	258.9455	90.9013	16.05429801	7802	

1	12319U	81	21	A	81113.74650004	.00245740	32226-4	32553-3 0	740
2	12319	64.9861	290.9364	0010239	257.0085	92.9914	16.06383179	7875	

1	12319U	81	21	A	81114.24455687	.00093222	84873-5	12441-3 0	753
2	12319	64.9832	299.0108	0009909	257.8203	92.2400	16.06454388	7959	

1	12319U	81	21	A	81115.73887016	.00133066	12523-4	17303-3 0	791
2	12319	64.9894	283.5382	0010186	271.3542	83.5362	16.05317728	8192	

1	12319U	81	21	A	81116.23692316	.00134173	12599-4	17303-3 0	809
2	12319	64.9859	281.7061	0009785	273.4287	86.5818	16.06456510	8273	

1	18310V	81	21	A	81120.22131516	.20012953	00000-0	14342-4	0	951
2	12310	84.9342	257.0907	0011044	266.5891	92.5464	16.00375124			9513

1	18310U	81	21	A	81124.20596329	.00096234	00200-5	12324-3	0	952
2	12310	84.9364	252.4739	0010430	276.0709	33.6697	16.05438606			9553

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Kosmos 1250-1256

1	12320U	81 22 A 81 55.93983651	.00000010	00000-0	99999-4 0	31
2	12320	74.0311 344.5212 0043610	92.0307	269.5743	12.57957710	58
1	12321U	81 55.94041341	.00000010	00000-0	99999-4 0	23
2	12321	74.0203 344.5186 0043108	108.4139	252.1509	12.53208307	50
1	12322U	81 55.94093904	.00000010	00000-0	99999-4 0	23
2	12322	74.0244 344.5038 0034478	126.7434	253.7407	12.54519379	51
1	12323U	81 55.95152390	.00000009	00000-0	99999-4 0	29
2	12323	73.9814 344.3851 0012757	102.7059	257.5411	12.53187036	59
1	12324U	81 55.95204690	.00000009	00000-0	99999-4 0	13
2	12324	74.0289 344.5245 0016786	112.8151	247.4575	12.51212533	51
1	12325U	81 55.78246989	.00000009	00000-0	99999-4 0	17
2	12325	74.0331 344.7528 0014089	159.5798	200.5318	12.49303769	45

1	12326U		31	65.78279507	.00000000	00000-0	99999-4 0	11
2	12326	74.0312	344.7527	0008880	209.3090	150.7453	12.47531929	41
1	12327U		31	65.78317912	.00000000	00000-0	99999-4 0	14
2	12327	73.9955	344.7115	0025910	174.4963	195.5374	12.44515657	42
1	12328U		31	65.36934290	.00000005	00000-0	99999-4 0	15
2	12328	74.0373	344.6547	0136129	269.7574	39.7764	12.23526773	54

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Soyuz T-4

1	12334U	81 23	A 81	72.32997901	-.00003431	57975-4	00000 0 0	13
2	12334	51.6117	103.9341	0029573	127.1979	233.1658	16.25395927	43
1	12334U	81 23	A 81	72.33066357	-.00009263	55969-4	00000 0 0	26
2	12334	51.6117	104.1341	0116946	335.3246	23.7310	16.20433067	45
1	12334U	81 23	A 81	72.39299123	-.00002602	00000-0	00000 0 0	34
2	12334	51.6139	103.6014	0052789	48.1375	312.4121	15.97833020	53
1	12334U	81 23	A 81	72.34315539	-.00000607	00000-0	00000 0 0	46
2	12334	51.6194	102.2696	0052463	49.6991	310.9916	15.97976621	37
1	12334U	81 23	A 81	72.66570647	-.00000613	00000-0	00000 0 0	53
2	12334	51.6197	100.6059	0050493	46.2991	314.2284	15.93868491	144
1	12334U	81 23	A 81	73.35160642	.00117562	00000-0	75713-3 0	64
2	12334	51.6152	96.9931	0009060	275.3023	84.1948	15.75253176	264

1 12334U 81 23 A 81 33.31246051 .00084243 00000-0 53505-3 0 71
2 12334 51.6332 45.7555 0010691 253.5672 102.4928 15.75684661 2262

1 12334U 81 23 A 81 32.25699470 .00039730 00000-0 29999-3 0 82
2 12334 51.6335 359.7525 0009234 113.2170 239.2777 15.71412092 10677

1 12334U 81 23 A 81 33.33946035 .00039045 00000-0 29999-3 0 95
2 12334 51.6340 354.2159 0007753 110.9965 249.4276 15.71606136 10949

1 12334U 81 23 A 81 97.15359985 .00108365 00000-0 79035-3 0 113
2 12334 51.6290 334.6360 0007921 133.7455 223.3710 15.72405931 4003

1 12334U 81 23 A 81173.18833991 .00143242 00000-0 93145-3 0 129
2 12334 51.6320 303.7232 0005424 153.9130 206.3381 15.73754110 4951

1 12334U 81 23 A 81145.10292957 .00148107 00000-0 10320-2 0 196
2 12334 51.6342 87.3125 0023622 40.1141 321.7927 15.71981092 11569

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Kosmos 1258

1	12337U	81 24 A 81	73.76120389	-.00000160	00000-0	00000 0 0	14
2	12337	65.3307 100.4171	0513165	245.2005	109.4514	14.59630299	03

1	12333J	81	74.06959795	-.00005023	34531-4	00000 0 0	29
2	12333	65.0944 99.5553	0143943	40.3039	320.5576	15.13775772	64

1	12337Y	31	73.56466316	.00016757	00000-0	25417-2 0	15
2	12337	65.0620 152.5039	0752504	73.2700	295.0714	13.54646335	492

1	12353U		91	35.53919580	-.00000045	00000-0	00000 0 0	53
2	12353	20.5476	375.2896	7183372	199.8059	103.1308	2.21414217	787

1	12371U		91	35.44774932	-.00000114	00000-0	00000 0 0	33
2	12371	1.9418	289.3310	0008344	52.1559	297.1052	1.01343021	116

1	12371U		91	32.48879058	-.00000159	00000-0	00000 0 0	33
2	12371	1.9596	289.0579	0008270	50.4359	299.4785	1.01345236	30

1	12371U		91	32.35597572	.00000015	00000-0	00000 0 0	72
2	12371	1.9379	289.5425	0008307	53.9439	300.4117	1.01341585	183

81-25A

D5P

(Titan 3C)

1	12339U	91 25A	31112.41563509	-.00000234	00000-0	00000 0 0	363	
2	12339	1.9975	289.1325	0009448	96.3133	262.9799	1.00266139	393
1	12339U		31 75.56979626	-.00000220	00000-0	00000 0 0	47	
2	12339	1.9969	289.7781	0007296	65.8962	292.3461	1.21324484	'22
1	12340U	81 25 B 31	75.91348874	.00005034	-35190-4	00000 0 0	13	
2	12340	29.5517	297.9220	0116762	115.6456	245.6277	16.14133166	12
1	12340U	81 25 B 81	75.90300071	.08066927	-35743-4	16345-3 0	53	
2	12340	28.6012	280.2317	0072203	127.3294	233.3937	16.31307630	179

81-26 A

Kosmos 1259

1	12340	81	76.98374484	.02393601	19338-4	23745-3	0	34
2	12341	77.3103	346.1125	0133551	64.2091	297.2477	15.94638411	172
1	12341U	81	77.67468314	.00208516	00000-0	27537-4	0	39
2	12341	77.3580	344.2573	0131648	64.1770	297.3414	15.93352030	216
1	12342U	81	76.41879956	-.00000303	00000-0	00000	0 0	13
2	12342	77.3155	347.9185	0125273	64.1448	297.2339	15.94427289	15
1	12341U	81	79.30720081	.00001253	00000-0	13297-4	0	53
2	12341	77.3444	339.6233	0027360	69.0091	291.4324	15.56857729	475
1	12341J	81	79.69146480	.00001500	00000-0	13297-4	0	72
2	12341	77.3765	339.5393	0047536	212.3672	147.4605	15.52069702	530
1	12341U	81	80.33135730	.00016970	00000-0	13353-3	0	35
2	12341	77.3723	335.3094	0049558	209.7367	150.0405	15.62058972	638
1	12341U	81	80.45993407	.00016961	00000-0	13353-3	0	97
2	12341	77.3741	335.4515	0049193	209.6344	150.2044	15.62064277	532

1	12341J	81	31.29242423	.00003699	00000-0	40711-4 0	105	
2	12341	70.3729	334.1974	0049122	209.1533	151.5085	15.62055339	735

1	12341J	81	32.38109431	.00005116	00000-0	55321-4 0	112	
2	12341	70.3717	331.2190	0049163	206.1462	153.7446	15.62069193	956

1	12341J	81	32.38109431	.00005116	00000-0	55321-4 0	123	
2	12341	70.3717	331.2190	0049163	206.1462	153.7446	15.62069193	956

1	12341J	81	34.36623939	.00009996	00000-0	10770-3 0	139	
2	12341	70.3650	325.7935	0050015	203.3545	156.5141	15.62104285	1267

1	12341J	81	35.32678579	.00009966	00000-0	10351-3 0	134	
2	12341	70.3637	323.1725	0049519	201.6639	153.2133	15.62119698	1413

1	12341J	81	35.32678579	.00009966	00000-0	10351-3 0	145	
2	12341	70.3637	323.1725	0049519	201.6639	153.2133	15.62119698	1413

1	12341J	81	39.23298176	.00009240	00000-0	99506-4 0	195	
2	12341	70.3653	312.5045	0048331	194.5441	155.3013	15.62137866	2023

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Raduga 8

1	12397U	81-27E	31103.41847197	.00000109	00000-0	99999-4 0	29	
2	12397	47.4281	249.1275	7309462	6.2958	359.3349	2.21649045	583

1	12352U	81 27 B	81 77.24811433	-.00008476	58632-4	00000 0 0	17	
2	12352	51.6467	254.9210	0012106	142.5207	217.5661	16.23504327	16

1	12352U	81 27 B	81 77.51551090	.20135246	59883-4	32582-3 0	42	
2	12352	51.6135	252.3826	0015962	14.2761	345.9473	16.40545609	74

81 27 C	81 77.79966947	.03515825	59255-4	10159-3 0	35	
51.6278	251.3505	0011852	156.3463	203.9044	16.32498778	104.

81 27 C	81 77.43208336	-.24040821	59375-4	-55532-3 0	22	
51.6359	253.9012	0022994	206.3631	153.6056	16.35021029	43

12351U	81 77.25799416	-.00000024	00000-0	00000 0 0	17		
00551	0.7493	191.6982	0000010	179.9999	349.2727	0.97630461	27

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Kosmos 1260

1	123640	81	28	A	81	79.98145746	.30000349	00000-0	99999-5	0	14
2	12364	65.7448	209.7332	0022484	292.5971	67.2861	15.45443344				08
1	123640	81	28	A	81	80.17571851	.30000321	00000-0	99999-5	0	23
2	12364	65.7502	209.0961	0008756	268.6907	91.3230	15.43401644				41
1	123640	81	28	A	81	80.37014660	-.70000130	00000-0	00000-0	0	31
2	12364	65.7341	209.4463	0014354	270.3347	69.1149	15.42929139				72
1	123640	81	28	A	81	80.43496371	-.30000130	00000-0	00000-0	0	40
2	12364	65.7337	209.2319	0013651	259.7302	91.2613	15.42926421				96
1	123640	81	28	A	81	81.27744066	.30037253	00000-0	33539-3	0	65
2	12364	65.7374	205.4201	0014924	261.6971	97.3674	15.43074336				200
1	123640	81	28	A	81	82.37898633	.30000774	00000-0	19999-4	0	51
2	12364	65.7350	201.7498	0012971	261.7445	93.1366	15.43471984				375

1	12364U	81 28	A 81	33.35091322	.00000773	00000-0	19999-4 0	90
2	12364	65.0349	198.5053	0013223	262.7591	97.2376	15.43481179	523
1	12364U	81 28	A 81	34.32231272	-.00012420	00000-0	-27289-3 0	179
2	12364	65.0350	195.2658	0013045	263.7729	96.1064	15.43447867	670
1	12364U	81 28	A 81	35.29471705	-.00018778	00000-0	-41533-3 0	103
2	12364	65.0358	192.0267	0012970	264.4755	95.1775	15.43404391	822
1	12364U	81 28	A 81	34.32231272	-.00012420	00000-0	-27289-3 0	110
2	12364	65.0350	195.2658	0013045	263.7729	96.1064	15.43447867	670
1	12364U	81 28	A 81	35.29471705	-.00018778	00000-0	-41533-3 0	125
2	12364	65.0358	192.0267	0012970	264.4755	95.1775	15.43404391	822
1	12364U	81 28	A 81	36.05095717	.00143339	00000-0	31279-2 0	299
2	12364	65.0361	156.7132	0011218	269.9766	90.0089	15.43514117	2462
1	12364U	81 28	A 81	34.30143734	.00006749	00000-0	19999-3 0	261
2	12364	65.0350	161.9340	0011044	268.0434	91.8593	15.43331178	2215
1	12364U	81 28	A 81	100.58659288	.00110636	00000-0	24131-2 0	404
2	12364	65.0307	141.0229	0010626	274.9755	85.0172	15.43573503	3184
1	12364U	81 28	A 81	39.29076672	.00058591	00000-0	12987-2 0	416
2	12364	65.0343	145.3422	0009852	272.5952	87.2831	15.43361897	2982
1	12364U	81 28	A 81	124.23713925	-.00013204	00000-0	-29103-3 0	759
2	12364	65.0352	62.1329	0009755	265.2158	94.6769	15.43421774	6833

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Soyuz 39

1	12365U	81	29	A	31	31.57923070	-.00008253	56979-4	00000 0 0	11
2	12366	51.7843	54.3449	0039103	32.5328	278.0132	15.13431195			03
1	12366U	81	29	A	31	31.30139164	-.00008274	57301-4	00000 0 0	29
2	12366	51.5733	53.5705	0049223	76.5153	294.1343	15.16857765			27
1	12366U	81	29	A	31	33.31226996	.00041422	00000-0	25549-3 0	35
2	12366	51.5347	45.7307	0012453	250.4731	99.5059	15.75691510			259

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Molniya 3Q

1	12333U		31	93.37519000	.00000335	00000-0	00000 0 0	41
2	12383	62.7543	182.9437	7381973	298.3177	9.3173	1.95507296	218
1	12333U		31	94.39304263	.00000247	00000-0	00000 0 0	50
2	12333	62.7699	182.9022	7382093	298.3113	9.3908	1.95509691	233

81-30

Molviya 3

1	12377U	81	30	C	81	83.19854727	.02765695	75432-4	48999-3	0	15
2	12373	62.3133	184.1233	8314042	117.5473	245.7932	15.52997134				13

1	12369U	81	30	B	81	84.22372623	.00810556	90531-5	17334-3	0	39
2	12369	62.3019	187.4434	2254893	121.5796	241.7597	15.67936178				173

1	12368U				81	85.24357254	.00000231	00000-0	00000	0	35
2	12368	62.7134	184.1445	7411800	298.0560	9.3009	1.95550713				55

1	12368U				81	92.29363583	.00000309	00000-0	00000	0	31
2	12368	62.7244	183.1264	7368114	288.0519	9.4937	2.00290371				191

1	12368U				81	91.29515297	.00000278	00000-0	00000	0	75
2	12368	62.7295	183.2625	7368314	288.0543	9.5279	2.00290983				170

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Kosmos 1261

1	123750	81	31A	81113.35022850	-.00001398	00000-0	00000 0 0	213
2	12375	63.2457	279.9915	7351711	315.6324	4.5435	2.00457325	471
1	123750		81	92.92005915	-.00000048	00000-0	00000 0 0	49
2	12375	62.9542	293.1467	7357557	315.2965	4.3200	2.02573915	62
1	123750		81	90.45314422	-.00000353	00000-0	00000 0 0	17
2	12375	63.9509	293.5193	7359644	315.2572	4.3436	2.02591993	10
1	123770	81	31	B. 81 90.51392665	-.00003093	35200-4	00000 0 0	17
2	12377	62.9052	293.2915	7311898	119.1111	244.1619	15.54974699	23
1	123790	81	031 C	81 91.29014509	.01322441	35143-4	21020-3 0	22
2	12379	62.9090	290.4458	7304377	119.1276	244.0694	15.55940732	67
1	123840		81	93.40131295	.00000295	00000-0	99999-4 0	14
2	12384	62.9315	293.1123	7350111	315.2354	4.7971	2.03509361	77
1	123840		81	94.39406161	.00000333	00000-0	99999-4 3	27
2	12384	62.9205	292.9554	7349587	315.2962	4.7363	2.03508399	97

1	12376U		31	98.39548475	-.00001250	20230-0	00000 0 0	102
2	12376	63.0456	282.2353	7368304	315.4559	4.5519	2.00495384	176

7

1	12447U		81123.74253041	-.00000029	00000-0	99999-4 0	15
2	12447	0.5039	92.3954 0049999	105.4083	161.0179	0.37629631	09
1	12447U		81131.93717025	-.00000120	00000-0	00000 0 0	46
2	12447	0.5431	89.8764 0009809	206.9617	63.0563	0.37623880	95

81-32A

Kosmos 1262

1	12335J	81 32	A 81	97.50660658	-.00001551	11384-4	00000 0 0	12
2	12335	72.3717		3.0213 0147051	35.7128	276.0987	15.93077013	15
1	12335J	81 32	A 81	97.50660659	-.00001525	11151-4	00000 0 0	28
2	12335	72.3725		3.0210 0147094	35.7701	276.1016	15.93064799	17
1	12335J	81 32	A 81	98.13455908	-.00001557	11540-4	00000 0 0	34
2	12335	72.3708		1.4425 0146331	84.4414	277.3539	15.93235245	115
1	12335J	81 32	A 81	98.25014253	.00191904	11245-4	21362-4 0	49
2	12335	72.3632		1.1320 0146417	84.1419	277.6723	15.93335029	139
1	12335J	81 32	A 81	99.01353973	.00320209	11557-4	37195-4 0	57
2	12335	72.3638		359.2234 0145602	82.3443	279.3052	15.93575520	257
1	12335J	81 32	A 81	100.01796990	.00113080	00000-0	13303-4 0	76
2	12335	72.2700		356.7057 0129539	82.7867	273.3070	15.99713181	413

1	12335U	P1	32	A	91173.20535204	.00146373	00000-0	13303-4 0	93
2	12335	72.8666	355.2263	0081472	74.8128	285.2095	16.01621909	440	

1	12335U	P1	32	A	91170.20535204	.00146373	00000-0	13303-4 0	99
2	12335	72.8666	355.2263	0081472	74.8128	285.2095	16.01621909	440	

1	12335U	P1	32	A	91170.39323525	.00145577	00000-0	13303-4 0	109
2	12335	72.3641	355.7733	0079795	75.6237	285.3836	16.01655551	471	

1	12335U	P1	32	A	91171.25752917	.00153355	00000-0	27351-4 0	113
2	12335	72.3645	353.5571	0078926	74.1295	285.3519	16.01925354	515	

1	12335U	P1	32	A	91173.20205215	.00046413	00000-0	40415-5 0	141
2	12335	72.3673	348.5359	0039119	95.3747	275.2420	16.12820794	925	

1	12335U	P1	32	A	91173.94531120	.00395737	00000-0	33315-4 0	155
2	12335	72.8595	345.7119	0038555	81.8979	278.5530	16.13249885	1040	

1	12335U	P1	32	A	91174.19434844	.00235518	00000-0	20039-4 0	157
2	12335	72.3652	345.0775	0033449	82.3715	278.1075	16.13320101	1089	

1	12335U	P1	32	A	91175.06215686	.00276332	00000-0	20035-4 0	175
2	12335	72.3623	343.3447	0025035	89.7832	277.6277	16.17033494	1225	

1	12335U	P1	32	A	91172.07942593	.00149451	00000-0	13357-4 0	124
2	12335	72.3689	351.4973	0079303	71.9345	288.9109	16.02156130	742	

1	12335U	P1	32	A	91173.07798537	.00253684	00000-0	21913-4 0	138
2	12335	72.3695	348.9597	0040789	82.1888	278.3566	16.12774149	908	

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Kosmos 1262 forts.T.

1	12395U	81 32	A	81105.18589066	.00277723	00000-0	20038-4 0	189
2	12395	72.8668	343.5205	0025797	95.8729	273.5318	16.17090323	1243

1	12395U	81 32	A	81105.18589066	.00277723	00000-0	20038-4 0	189
2	12395	72.8668	343.5205	0025797	95.8729	273.5318	16.17090323	1243

1	12385U	81 32	A	81106.23742439	.00285066	00000-0	20038-4 0	190
2	12385	72.8659	347.7865	0024149	87.7021	272.5222	16.17652799	1418

1	12385U	81 32	A	81107.29859784	.00271843	00000-0	18533-4 0	200
2	12385	72.8661	338.0573	0024718	85.4454	274.7334	16.19191081	1592

1	12385U	81 32	A	81107.41316423	.00134002	00000-0	18533-4 0	213
2	12385	72.8772	337.7700	0031675	109.9003	251.2261	16.05764201	1605

1	12385U	81 32	A	81109.28139803	.00176386	00000-0	18065-4 0	231
2	12385	72.8632	332.8664	0072223	98.3131	262.4623	16.06647052	1907

1	12385U	81 32	A	81108.29530795	.00196386	00000-0	20471-4 0	229
2	12385	72.8650	335.5097	0072163	127.6242	250.6079	16.06217590	1743

1	12385U	81 32	A	81110.40247266	.00184275	00000-0	18558-4 0	243
2	12385	72.8660	330.1024	0071428	95.1008	265.3477	16.06958191	2083

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Kosmos 1263

1	12333J	81 033 A	31 99.56491304	.00000013	00000-0	00000 0 0	29
2	12393	82.0802	45.7307 1040151	130.0402	239.5800	13.20707325	10

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STS-1 (Columbia)

1	12399J		81172.49543567	.02190802	58628-2	23510-2	0	17
2	12399	40.3575	262.1290	0003751	212.5283	147.5016	16.10930225	03
1	12399U		81172.61938521	.01633951	19882-2	23510-2	0	23
2	12399	40.3486	261.2982	0023334	67.7586	292.5722	15.04642591	25
1	12399U		81172.68135035	-.00000335	00000-0	00000	0 0	39
2	12399	40.3506	260.8744	0006115	263.4140	96.6124	16.11574394	30
1	12399U		81173.17955330	.01354709	12358-2	23510-2	0	95
2	12399	40.3437	257.5744	0003013	299.6983	60.3552	16.01931214	115
1	12399U		81173.36550462	.01324153	11450-2	23510-2	0	111
2	12399	40.3379	256.3343	0006363	298.5494	61.4705	16.01452947	149
1	12399U		81173.49129170	.01355331	12239-2	23510-2	0	124
2	12399	40.3374	255.5138	0005126	287.9793	72.0489	15.01905765	153
1	12399J		81173.67828438	.00771508	30364-3	12797-2	0	133
2	12399	40.3374	254.2325	0004864	289.1377	70.8937	15.02200307	195

1	12399U		81174.30129329	.20521192	13108-3	30942-3 0	147
2	12399	40.3464	250.1339	0009957	249.3232	110.5892 16.33133995	293

1	12399U		81101.42535921	.30095511	73551-5	15153-3 0	159
2	12399	40.3358	249.3707	0009190	248.0645	111.7494 16.02948953	317

1	12399U		81102.58134357	-.00007332	00000-0	00000 0 0	43
2	12399	40.3474	250.3642	0006300	245.7792	114.2389 16.11555537	31

1	12399J		81102.74310960	-.00000307	00000-0	00000 0 0	54
2	12399	40.3456	250.4456	0009159	305.5313	54.4673 16.02366525	43

1	12399J		81102.74310960	-.00000307	00000-0	00000 0 0	55
2	12399	40.3456	250.4456	0009159	305.5313	54.4673 16.02366525	45

1	12399U		81102.86773359	.01317629	11342-2	23510-2 0	79
2	12399	40.3433	259.6250	0004879	295.3552	63.4235 16.01389759	54

1	12399U		81103.17947880	.01354399	12336-2	23510-2 0	86
2	12399	40.3436	257.5756	0003375	293.6527	65.9643 16.01921965	115

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Kosmos 1264

81 35	A	81175.49528455	-.70000297	00000-0	00000 0 0	24	
70.3763		44.0504	0133077	57.7219	293.9181	15.92152601	11

81 35	A	81175.74555462	-.00000295	00000-0	00000 0 0	31	
70.3925		43.3153	0134073	55.9198	295.5070	15.91980773	55

1 12400U	81 35	A	81105.93516540	.70233995	00000-0	32324-4 0	44	
2 12400	70.3737		42.7745	0135089	55.4912	295.0425	15.91930752	87

1 12400U	81 35	A	81105.06239910	.00002458	00000-0	32324-4 0	53	
2 12400	70.3941		42.4193	0050714	202.0192	157.3834	15.57683929	108

1 12400U	81 35	A	81106.25504305	.00002507	00000-0	32324-4 0	66	
2 12400	70.3773		41.9056	0040134	209.2144	152.3502	15.59742215	139

1 12400U	81 35	A	81107.23105309	.00024535	00000-0	29562-3 0	72	
2 12400	70.3768		39.1138	0041110	206.5234	153.2950	15.59768295	299

1	12400U	81	35	A	81109.26914327	.00011534	00000-0	13966-3 0	91
2	12400	70.3773	33.7115	0041031	202.7936	137.1079	15.59624010	603	

1	12400U	81	35	A	81109.24302862	.00014412	00000-0	17401-3 0	88
2	12400	70.3770	35.5001	0041043	204.7754	155.0604	15.59734173	443	

1	12400U	81	35	A	81110.35935596	.00013567	00000-0	15382-3 0	101
2	12400	70.3794	30.7449	0040496	200.8123	159.1460	15.59834378	777	

1	12400U	81	35	A	81111.25717499	.00015852	00000-0	19077-3 0	113
2	12400	70.3785	28.3029	0040333	199.4558	160.5132	15.59854474	919	

1	12400U	81	35	A	81112.28321979	.00014764	00000-0	17779-3 0	120
2	12400	70.3775	25.5140	0040064	199.0053	161.9485	15.59890610	1071	

1	12400U	81	35	A	81113.30925314	.00014792	00000-0	17779-3 0	140
2	12400	70.3757	22.7230	0040452	196.3286	163.6415	15.59916386	1239	

1	12400U	81	35	A	81114.27115148	.00013282	00000-0	15982-3 0	151
2	12400	70.3742	20.1073	0040389	194.3325	165.6798	15.59935687	1333	

1	12400U	81	35	A	81115.37425644	.00009659	00000-0	11586-3 0	176
2	12400	70.3767	15.7462	0040027	192.2507	167.5875	15.59960262	1533	

1	12400U	81	35	A	81116.25902804	.00009661	00000-0	11586-3 0	192
2	12400	70.3768	14.5991	0039882	191.5746	168.4582	15.59969165	1699	

1	12400U	81	35	A	81117.28500811	-.000093526	00000-0	-11330-2 0	197
2	12400	70.3767	11.9063	0039835	189.2193	170.3292	15.59969618	1956	

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Kosmos 1264

forts. 1

1	12400U	01 35	A	01119.18279514	.00009233	00000-0	11164-3 0	209
2	12400	70.3750		9.4643 0039947	187.7792	172.3651	15.50012592	1993

1	12400U	01035	A	01117.99037164	.00009758	00000-0	00000-0 0 00216	
2	12400	070.3794		009.9922 0039277	186.3573	173.2547	15.33006435001061	

81-36A

Kosmos 1265

1	12402U	81 36	A	81106.47091692	-.00001695	11650-4	00000 0 0	13
2	12402	72.3540		21.9273 0067290	95.1562	275.7355	16.11424221	04
1	12402U	81 36	A	81107.15390050	.00014353	00000-0	16179-4 0	25
2	12402	72.3519		20.0706 0046398	69.6417	291.9759	16.06979941	113
1	12402U	81 36	A	81107.27337370	.00552970	16005-3	34513-3 0	30
2	12402	72.3439		19.7655 0048137	70.5935	290.0592	16.06109307	131
1	12402U	81 36	A	81109.27117610	.00152967	12932-4	17343-3 0	72
2	12402	72.3543		14.3569 0046332	66.9293	293.5175	16.06734692	455
1	12402U	81 36	A	81107.33985963	.00148799	12232-4	17322-3 0	41
2	12402	72.3534		18.3172 0046845	70.1797	290.0390	16.06294358	220
1	12402U	81 36	A	81108.02577033	.00334255	53745-4	33577-3 0	53
2	12402	72.3434		17.8369 0046720	71.6379	289.9929	16.06403943	250

1	12402U	81 36	A	81108.27486530	.00172391	15641-4	19859-3 0	63
2	12402	72.8523		17.2021 0046758	69.0637	291.4330	15.06451590	297
1	12402U	81 36	A	81110.45409228	.00158666	13727-4	17511-3 0	88
2	12402	72.8540		11.5320 0045817	64.2485	296.3498	15.07106823	649
1	12402U	81 36	A	81111.25327547	.00164912	14753-4	18018-3 0	95
2	12402	72.8515		9.5503 0045454	62.0972	298.4980	15.07374974	770
1	12402U	81 36	A	81112.32122895	.00163643	14567-4	17582-3 0	102
2	12402	72.8496		6.8532 0044531	59.6058	300.9207	15.07713968	940
1	12402U	81 36	A	81113.31675557	.00157523	14029-4	15545-3 0	124
2	12402	72.8468		4.3001 0044007	56.9363	303.5413	15.03019440	1104
1	12402U	81 36	A	81114.25214222	.00101825	62550-5	15545-3 0	134
2	12402	72.8433		1.9092 0101177	66.4917	294.7599	15.94024414	1253
1	12402U	81 36	A	81114.25214222	.00101825	62550-5	15545-3 0	145
2	12402	72.8433		1.9092 0101177	66.4917	294.7599	15.94024414	1253
1	12402U	81 36	A	81115.25623305	.00121030	78901-5	19795-3 0	159
2	12402	72.8493		359.3940 0099958	55.4467	295.4859	15.94190627	1416
1	12402U	81 36	A	81116.25023662	.00124622	25468-5	19795-3 0	166
2	12402	72.8513		356.8699 0101511	62.3134	292.6564	15.94411704	1575
1	12402U	81 36	AU	81117.25412943	.00102213	54918-5	15350-3 0	173
2	12402	72.8490		354.3483 0099745	50.8071	300.0491	15.94572917	1736

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Kosmos 1265 fonts. 7

1	124020	81	36	A	31118.20519910	.20107006	69187-5	15933-3	0	199
2	12402	72.3492	351.9833	0099150	52.4337	302.7006	15.94792406			1981

1	12551U		31177.80941404	-.00000036	00000-0	00000 0 0	14
2	12551	64.9654	81.7294	0047221	201.0085	158.9040 13.90102019	05

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Kormos 1266

1	12409U	81 37	A	91119.99408703	.00088943	93501-5	11750-3 0	193
2	12409	64.9586	271.6243	0010001	278.4375	81.5661	16.05636113	1269

1	12409U	81 37	A	81111.27425294	-.00000379	00000-0	00000 0 0	15
2	12409	64.9653	299.9602	0014099	251.4895	108.4753	16.05172702	15

1	12409U	81 37	A	81112.27030654	.00190375	21425-4	24535-3 0	59
2	12409	64.9649	296.3067	0015120	249.7480	110.2002	16.05656499	539

1	12409U	81 37	A	81112.27030654	.00190375	21425-4	24535-3 0	59
2	12409	64.9649	296.3067	0015120	249.7480	110.2002	16.05656499	539

1	12409U	81 37	A	81112.27030654	.00190375	21425-4	24535-3 0	59
2	12409	64.9649	296.3067	0015120	249.7480	110.2002	16.05656499	539

1	12409U	81 37	A	81112.78339058	.00209999	24654-4	27997-3 0	63
2	12409	64.9672	294.4749	0009645	269.7024	90.3042	16.05313274	714

1	12409U	81 37	A	81113.39096215	.00110900	10171-4	14770-3 0	90
2	12409	64.9658	292.1901	0009938	271.4097	88.5331	16.05440235	363

1	12400U	01	37	A	91114.25247473	.00110253	10049-4	14511-3	0	107
2	12409	64.9655	299.9931	0010021	274.3764	85.3125	16.05627936			509
1	12400U	01	37	A	91114.88579745	.00108161	99237-5	14511-3	0	113
2	12409	64.9615	286.7040	0012193	274.7355	85.2412	16.05274362			505
1	12409U	01	37	A	91115.25966083	.00133009	12585-4	17599-3	0	141
2	12409	64.9650	235.3357	0011879	271.9508	88.0701	15.05374745			650
1	12409U	01	37	A	91115.25437966	.00135464	13277-4	17599-3	0	143
2	12409	64.9635	291.6725	0013951	268.6546	91.1487	15.05611399			623
1	12409U	01	37	A	91115.56624321	.00029049	00000-0	33052-4	0	153
2	12409	64.9613	280.5333	0009998	275.4550	84.5371	15.05999851			671
1	12409U	01	37	A	91117.25096644	.00502575	12940-3	66925-3	0	163
2	12409	64.9617	278.0203	0009994	275.1442	84.3587	16.05289656			995
1	12409U	01	37	A	91117.91129999	.00202412	23132-4	25311-3	0	179
2	12409	64.9531	275.9602	0009571	271.6335	83.3740	16.05421593			1274
1	12409U	01	37	A	91119.24706150	.00138269	13228-4	13274-3	0	185
2	12409	64.9596	274.3562	0009948	274.8554	85.0382	16.05512439			1142
1	12409U	01	37	A	91119.35538513	-.00000037	00000-0	00000	0	203
2	12409	64.7617	269.4291	0051796	291.5933	77.9411	13.39527637			123
1	12409U	01	37	A	91120.35966342	-.00000037	00000-0	00000	0	214
2	12409	64.7503	253.0267	0050730	291.6744	79.3019	13.39543546			193

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Kosmos 1267

1		81115.13791950	-.00000815	00000-2	00000 0 0	17		
2	51.6070	252.4664	0000010	107.5505	252.5514	16.19900999	05	
1	12419U	81115.38522732	-.00009211	56649-4	00000 0 0	29		
2	12419	51.5854	251.0629	0051129	88.3538	272.3031	16.17539994	48
1	12419U	81115.57053599	-.00009241	55986-4	00000 0 0	35		
2	12419	51.5935	250.0482	0050585	86.5539	274.1262	16.17846328	71
1	12419U	81115.57053351	.00909525	57170-4	41347-3 0	35		
2	12419	51.5905	250.0520	0049976	87.3949	273.2788	16.13022780	72
1	12419U	81116.24953175	.00856771	57492-4	35059-3 0	40		
2	12419	51.5934	246.3234	0047320	95.5512	272.1415	16.19260009	180
1	12419U	81116.31169912	.00752719	55500-4	35059-3 0	59		
2	12419	51.5839	245.9397	0059062	99.1448	271.6335	16.16234434	191
1	12419U	81117.23953587	.01213167	57259-4	50734-3 0	50		
2	12419	51.5986	240.9093	0055115	93.4613	267.2705	16.19306060	345

1	12419U		81117.23853587	.01097973	37116-4	45823-3 0	71
2	12419	51.5995	247.9113 0055714	93.2340	267.4889	16.18256756	343

1	12419U	81 39A	81118.97375567	.00444058	10059-3	52361-3 0	159
2	12419	51.5901	231.4935 0014007	317.3807	42.5115	16.04985684	635

1	12419U	81 39A	31120.21953182	.00335392	59597-4	44957-3 0	169
2	12419	51.5665	224.7813 0015763	312.0943	46.3337	16.05695626	831

1	12419U		81118.10252462	.00939197	57316-4	35192-3 0	97
2	12419	51.5886	235.1638 0050540	97.1181	263.7170	16.20190747	486

1	12419U		81118.28879393	.00260920	38454-4	35192-3 0	179
2	12419	51.5693	235.1241 0017300	291.2838	68.6326	16.05571593	513

1	12419U		81118.97375567	.00444058	10059-3	52361-3 0	114
2	12419	51.5901	231.4935 0014007	317.3807	42.5115	16.04985684	624

1	12419U		81118.97375567	.00444058	10059-3	52361-3 0	126
2	12419	51.5901	231.4935 0014007	317.3807	42.5115	16.04985684	624

1	12419U	81039 A	81117.97728175	.00569752	00000-0	00000-0 0 00133	
2	12419	051.5873	236.8352 0014376	300.7640	059.2624	16.0397074000461	

1	12419U		81118.97375567	.00444058	10059-3	52361-3 0	147
2	12419	51.5901	231.4935 0014007	317.3807	42.5115	16.04985684	624

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Kosmos 1267 parts. 1

1	12419U	81 39A	81121.15222953	.00316121	52515-4	44957-3 0	179
2	12419	51.5835	219.7533	0010721	335.0007	25.0484 16.04888666	985

1	12419U	81 39A	81122.64609643	.00364445	69525-4	43264-3 0	190
2	12419	51.5852	211.7036	0012415	342.3451	17.6566 16.05936997	1236

1	12419U	81 39A	81123.09179122	.00293158	45076-4	43264-3 0	202
2	12419	51.5861	209.3765	0015272	326.1413	33.9691 16.02514824	1301

1	12419U	81 39A	81123.70530791	.00257525	35268-4	41430-3 0	213
2	12419	51.5893	206.0195	0011278	324.4024	35.6233 16.02859038	1409

1	12419U	81 39A	81124.32869777	.00301346	45917-4	47330-3 0	227
2	12419	51.5845	202.6742	0011447	327.8633	32.2233 16.03237278	1509

1	12419U	81 39A	81121.15222953	.00316121	52515-4	44957-3 0	180
2	12419	51.5835	219.7533	0010721	335.0007	25.0484 16.04888666	997

1	12419U	81 39A	81125.19796335	.00314526	51575-4	45144-3 0	259
2	12419	51.5929	192.6335	0011315	334.9974	25.0406 16.04365406	1303

1	12419U	81 39A	81133.24222926	.00148293	15331-4	24537-3 0	323
2	12419	51.5829	154.8408	0007975	291.8019	67.8584 16.02564087	2936

1	12419U	81 39A	81128.25256542	.00318356	53964-4	43139-3 0	260
2	12419	51.5827	181.5789 0011118	343.2757	16.6298	16.05563457	2130

1	12419U	81 39A	81128.93723860	.00247272	32702-4	43139-3 0	273
2	12419	51.5629	177.9121 0031443	327.4741	32.4330	16.00618085	2245

1	12419U	81 39A	81129.24935695	.00236203	29295-4	43139-3 0	285
2	12419	51.5737	176.1873 0008738	284.5054	75.4885	16.00762265	2299

1	12419U	81 39A	81130.43525460	.00253257	33220-4	44596-3 0	294
2	12419	51.5833	169.8769 0007999	267.8235	92.1308	16.01353964	2485

1	12419U	81 39A	81131.37117201	.00244435	31599-4	42070-3 0	309
2	12419	51.5834	164.8669 0007730	277.5826	82.3058	16.01793940	2636

1	12419U	81 39A	81132.24448892	.00254425	34090-4	42542-3 0	314
2	12419	51.5802	160.1861 0007532	280.5377	79.5101	16.02242850	2771

1	12419U	81 39A	81134.30224871	.00130333	13368-4	21296-3 0	333
2	12419	51.5823	149.1581 0007749	222.7385	67.1486	16.02629663	3103

1	12419U	81 39A	81135.23739427	.00190054	21916-4	30131-3 0	346
2	12419	51.5821	144.1405 0007930	294.7332	65.6119	16.03227665	3254

1	12419U	81 39A	81138.29410893	.00177773	13866-4	33247-3 0	381
2	12419	51.5938	127.7669 0015564	214.7455	145.2424	15.00234439	3745

1	12419U	81 39A	81139.23072294	.00189166	20971-4	34539-3 0	396
2	12419	51.5828	122.7539 0015528	213.4910	141.5413	16.00594595	3691

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forts. 2

1	12419U	81 39A	81140.35435390	.00193723	21937-4	34539-3 0	400
2	12419	51.5828	116.7497 0014629	223.5403	136.4094	16.01026132	4074
1	12419U	81 39A	81141.22918747	.00167312	17920-4	29569-3 0	415
2	12419	51.5824	112.0739 0015127	225.9812	133.0003	16.01247396	4219
1	12419U	81 39A	81135.23451145	.00224379	23544-4	34519-3 0	353
2	12419	51.5808	133.7930 0007537	297.9017	62.4289	15.03702343	3410
1	12419U	81 39A	81135.35761932	.00179880	19059-4	34519-3 0	367
2	12419	51.5908	135.4513 0016575	198.9907	161.0486	15.99755453	3514
1	12419U	81 39A	81137.23240020	.00239347	29317-4	45376-3 0	371
2	12419	51.5932	133.4389 0016105	210.0099	150.0403	15.99929022	3574
1	12419U	81 39A	81142.35139389	.00159541	16911-4	27641-3 0	424
2	12419	51.5831	106.0640 0014924	232.2140	127.6909	16.01603399	4391
1	12419U	81 39A	81143.22484352	.00156767	16752-4	25754-3 0	439
2	12419	51.5828	101.3856 0014679	235.9268	124.0002	16.01875104	4539
1	12419U	81 39A	81144.22299397	.00123507	12903-4	20344-3 0	445
2	12419	51.5841	96.0404 0014626	240.1272	119.9149	16.02139941	4699

2 12419 51.5842 90.6912 0014988 239.8794 121.1337 16.02350593 4957

1 12419U 81 39A 81145.53250470 .00296556 45153-4 47964-3 0 466

2 12419 51.5846 89.0220 0015205 246.2700 113.7252 16.02642583 4905

1 12419U 81 39A 81145.53250470 .00296556 45153-4 47964-3 0 477

2 12419 51.5846 89.0220 0015205 246.2700 113.7262 16.02642583 4905

1 12419U 81 39A 81147.21550343 .00311298 50188-4 47301-3 0 497

2 12419 51.5825 79.9922 0015259 252.0212 107.9194 16.03676034 5179

1 12419U 81 39A 81147.71521416 .00091864 00000-0 34714-3 0 504

2 12419 51.5820 77.3292 0008227 255.0014 105.0079 15.35902770 5255

1 12419U 81 39A 81148.21898060 .00157533 00000-0 59539-3 0 519

2 12419 51.5811 74.6780 0009270 272.4496 87.5271 15.37023039 5332

1 12419U 81 39A 81149.22537178 .00124547 00000-0 45029-3 0 525

2 12419 51.5815 69.3967 0009318 275.6740 84.1280 15.37250753 5490

1 12419U 81 39A 81150.17072028 .00125414 00000-0 43793-3 0 539

2 12419 51.5819 64.4475 0008291 279.8750 80.1150 15.37481949 5542

1 12419U 81 39A 81151.24077749 .00125986 00000-0 45389-3 0 549

2 12419 51.5817 58.8334 0009358 283.4829 76.5126 15.37745864 5913

1 12419U 81 39A 81153.19157980 .00110081 00000-0 33879-3 0 569

2 12419 51.5814 48.5939 0009738 286.7326 73.1162 15.38194578 6127

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for ts. 3.

1	12419U	81 39A	81154.26119169	.00130869	00000-0	45429-3 0	570
2	12419	51.5823	42.9770 0008679	294.1593	65.9187	15.33474307	6291
1	12419U	81 39A	81155.20475993	.00146476	00000-0	50235-3 0	589
2	12419	51.5812	38.0265 0008795	297.8425	61.9767	15.88666774	6440
1	12419U	81 39A	81155.77090265	.00147271	00000-0	50235-3 0	591
2	12419	51.5847	35.0519 0009158	298.6395	61.3687	15.33737545	6530
1	12419U	81 39A	81156.71431878	.00060157	00000-0	20591-3 0	613
2	12419	51.5796	30.0873 0009005	303.2023	56.3117	15.33954049	6681
1	12419U	81 39A	81157.21743969	.00116067	00000-0	39155-3 0	629
2	12419	51.5808	27.4450 0009065	306.2460	53.3524	15.39097777	6764
1	12419U	81 39A	81157.21743969	.00116067	00000-0	39155-3 0	630
2	12419	51.5808	27.4450 0009065	306.2460	53.3524	15.39097777	6764
1	12419U	81 39A	81157.59492443	.00107272	00000-0	39155-3 0	648
2	12419	51.5814	25.4663 0008518	349.4899	10.5920	15.37544192	6826
1	12419U	81 39A	81158.22437034	.00127663	00000-0	45072-3 0	657
2	12419	51.5808	22.1623 0008506	351.3592	8.7556	15.37704030	6922

1	12419U	81 39A	81159.16840739	.00116941	00000-0	41848-3 0	665
2	12419	51.5811	17.2060 0008376	354.7499	5.2613	15.37911705	7075

1	12419U	81 39A	81160.30111520	.00125087	00000-0	44065-3 0	679
2	12419	51.5810	11.2585 0008427	357.1352	3.0390	15.38200646	7257

1	12419U	81 39A	81160.93029247	.00107276	00000-0	37709-3 0	683
2	12419	51.5803	7.9554 0008352	359.6100	0.3632	15.38305565	7358

1	12419U	81 39A	81161.24488313	.00102655	00000-0	36009-3 0	696
2	12419	51.5802	6.3030 0008461	0.1613	359.9237	15.38352912	7401

1	12419U	81 39A	81162.12564832	.00095647	00000-0	33329-3 0	701
2	12419	51.5803	1.6780 0008336	2.8619	357.2319	15.98525013	7543

1	12419U	81 39A	81163.25791468	.00107311	00000-0	36867-3 0	716
2	12419	51.5805	355.7309 0008582	6.1081	353.9906	15.38761843	7726

1	12419U	81 39A	81165.20753342	.00104861	00000-0	35320-3 0	734
2	12419	51.5808	345.4827 0008476	10.7998	349.2958	15.39166151	8032

1	12419U	81 39A	81164.32712184	.00107297	00000-0	35445-3 0	729
2	12419	51.5806	350.1108 0008705	9.6394	350.4580	15.38987127	7899

1	12419U	81 39A	81166.21359766	.00104232	00000-0	34755-3 0	742
2	12419	51.5813	340.1916 0008363	13.6751	346.4308	15.39371587	8190

1	12419U	81 39A	81167.15666433	.00114320	00000-0	37631-3 0	754
2	12419	51.5807	335.2305 0008475	17.6263	342.5401	15.39589252	8343

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1	12419U	81 39A	81167.21921346	.00057614	00000-0	37631-3 0	761
2	12419	51.6417	334.5573 0006230	170.9377	189.1736	15.75248769	8353

1	12419U	81 39A	81167.34618973	.00053108	00000-0	37631-3 0	779
2	12419	51.6287	333.8242 0014310	20.3990	339.7577	15.73279390	8370

1	12419U	81 39A	81168.23542517	.00030583	00000-0	21912-3 0	786
2	12419	51.6356	329.2819 0013060	32.2780	327.7519	15.73309125	8515

1	12419U	81 39A	81169.25171183	.00041472	00000-0	29408-3 0	794
2	12419	51.6358	324.0650 0012806	36.4081	323.8387	15.73399810	8677

1	12419U	81 39A	81170.20488896	.00030156	00000-0	22191-3 0	825
2	12419	51.6345	319.1930 0016934	20.6632	339.4781	15.72611755	8324

1	12419U	81 39A	81169.76006770	.00040170	00000-0	29408-3 0	816
2	12419	51.6343	321.4740 0016635	17.5930	342.5641	15.72590733	8755

1	12419U	81 39A	81169.63297425	.00040068	00000-0	29408-3 0	806
2	12419	51.6378	322.1515 0014346	26.1396	334.2323	15.72580496	8736

1	12419U	81 39A	81172.30033996	.00040502	00000-0	27760-3 0	839
2	12419	51.6323	308.4314	0020975	140.6485	219.7229 15.74008734	9153

1	12419U	81 39A	81173.25262996	.00059632	00000-0	40353-3 0	947
2	12419	51.6284	303.5392	0021054	143.6777	216.5595 15.74131964	9303

1	12419U	81 39A	81175.47439797	.00054966	00000-0	35705-3 0	859
2	12419	51.6332	292.1350	0023738	164.2101	195.9868 15.75020087	9650

1	12419U	81 39A	81175.47439400	.00054965	00000-0	35705-3 0	960
2	12419	51.6332	292.1350	0023738	164.2101	195.9644 15.75020087	9652

1	12419U	81 39A	81175.47440151	.00052915	00000-0	35574-3 0	885
2	12419	51.6327	292.1210	0020099	152.9982	207.2081 15.74359774	9659

1	12419U	81 39A	81175.47440151	.00052914	00000-0	35573-3 0	950
2	12419	51.6327	292.1210	0020099	152.9983	207.2081 15.74359774	9659

1	12419U	81 39A	81179.72658931	.00071256	00000-0	45795-3 0	963
2	12419	51.6316	270.2630	0020235	169.9049	191.2491 15.74774838	10327

1	12419U	81 39A	81182.27125276	.00021727	00000-0	13533-3 0	971
2	12419	51.6302	257.2570	0035300	129.5041	230.3854 15.68644487	10720

1	12419U	81 39A	81186.53923990	.00086791	00000-0	71189-3 0	992
2	12419	51.6307	235.5045	0034834	146.4137	213.9673 15.68914045	11391

1	12419U	81 39A	81192.20754696	.00027559	00000-0	22864-3 0	1005
2	12419	51.6257	206.5957	0034186	167.1861	193.1194 15.69206705217763	

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Kosmos 1267 for ts. S.

1	12419U	81 39A	81192.20959288	.00027563	00000-0	22864-3 0	1014
2	12419	51.6257	205.5908 0034186	167.1901	198.4626	15.59206758	12280

1	12419U	81 39A	81193.22471990	.00027355	00000-0	22556-3 0	1027
2	12419	51.6254	201.4073 0034149	170.9634	173.3991	15.59232962	12442

1	12419U	81 39A	81197.23913776	.00032121	00000-0	25235-3 0	1049
2	12419	51.6295	130.9378 0033708	195.0600	173.9994	15.59514249218554	

1	12419U	81 39A	81202.39495748	.00031493	00000-0	25303-3 0	1064
2	12419	51.6278	154.6335 0033592	205.9720	153.9593	15.59914579219363	

1	12419U	81 39A	81203.03139554	.00039590	00000-0	31596-3 0	1076
2	12419	51.6306	151.3742 0033674	209.2539	151.6588	15.59959574219461	

1	12419U	81 39A	81207.16934916	.00070958	00000-0	55053-3 0	1087
2	12419	51.6302	130.2501 0033512	224.0983	135.7342	15.70380410220110	

1	12419U	81 39A	81208.25012105	.00071211	00000-0	55063-3 0	1090
2	12419	51.6270	124.7231 0032828	229.1451	130.6701	15.70495320	14904

1	12419U	81 039 A	81214.25198543	.00010365	00000-0	13437-3 0	1102
2	12419	51.6311	94.2994 0019941	118.3781	241.9955	15.59290480	15740

1 12419U 81 039 A 81214.82879813 .00010371 00000-0 13437-3 0 1118
2 12419 51.6309 91.4051 0020133 120.2594 240.0360 15.59298514 15936

1 12419U 81 039 A 81222.32622373 .00015901 00000-0 19999-3 0 1124
2 12419 51.6299 53.7224 0019831 148.4435 211.7534 15.59648458 17000

1 12419U 81 039 A 81223.28732871 .00015934 00000-0 19999-3 0 1132
2 12419 51.6284 48.3962 0019060 150.9827 209.2812 15.59694995 17159

1 12419U 81 039 A 81226.81103514 .00238467 00000-0 27951-2 0 1145
2 12419 51.6256 31.1618 0018738 166.3185 193.8320 15.59987749 17707

1 12419U 81 039 A 81232.38330060 .00238814 00000-0 46568-3 0 1153
2 12419 51.6317 3.1207 0018645 186.9532 172.7031 15.60306209 18576

1 12419U 81 039 A 81233.28051378 .00046346 00000-0 55276-3 0 1161
2 12419 51.6305 358.6155 0017970 189.4917 170.5938 15.60393137 18713

1 12419U 81 039 A 81236.09817932 .00061256 00000-0 71993-3 0 1170
2 12419 51.6321 344.4323 0016574 200.0598 159.9672 15.60687397224630

1 12419U 81 039 A 81233.28052647 .00042157 00000-0 50382-3 0 1183
2 12419 51.6341 358.6141 0017824 190.1949 169.9584 15.60387511 18718

1 12419U 81 039 A 81242.30791364 .00016960 00000-0 19999-3 0 1239
2 12419 51.6267 313.1511 0016324 228.8001 131.1431 15.51335320 20126

1 12419U 81 039 A 81242.30791730 .00054924 00000-0 63038-3 0 1264
2 12419 51.6251 313.1431 0016343 227.3051 132.6740 15.51354641 20126

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font 5.6.

1	12419U	81	039	A	81244.22802161	.00054585	00000-0	62095-3	0	1241
2	12419	51.6295	303.4646		0016747	233.5959	127.0915	15.61579086		20425

1	12419U	81	039	A	81245.31576137	.00044268	00000-0	50363-3	0	1255
2	12419	51.6284	297.9818		0016596	235.3976	122.9746	15.61671666		20599

1	12419U	81	039	A	81247.29934704	.00056003	00000-0	63039-3	0	1279
2	12419	51.6219	297.9777		0016023	250.2964	109.5528	15.61955298		20901

1	12419U	81	039	A	81248.25908073	.00003487	00000-0	42015-4	0	1299
2	12419	51.6267	293.1542		0015322	248.2184	111.7504	15.61936925		21053

1	12419U	81	039	A	81250.37007532	.00053770	00000-0	59745-3	0	1303
2	12419	51.6310	272.4863		0016202	253.7427	105.4142	15.62202543		21399

1	12419U	81	039	A	81252.22522125	.00040799	00000-0	45245-3	0	1339
2	12419	51.6280	263.1228		0015894	264.8980	95.0369	15.62381552		21675

1	12419U	81	039	A	81253.24852377	.00055056	00000-0	50458-3	0	1349
2	12419	51.6265	257.9558		0015583	267.5712	92.4512	15.62507984		21831

1	12419U	81	039	A	81255.29503935	.00056835	00000-0	61786-3	0	1354
2	12419	51.6287	247.5204		0015408	275.5322	84.4945	15.62755705		22153

1	12419U	81	039	A	81256.06236157	.00057055	00000-0	61786-3	0	1366
2	12419	51.6286	243.7549		0015382	279.1113	80.8200	15.62853474		22270

1 12419U 81 039 A 81259.25910599 .00086227 00000-0 91263-3 0 1387
2 12419 51.6314 227.5913 0015675 299.3704 70.6040 15.53250066 22775

1 12419U 81 039 A 81259.25909808 .00061967 00000-0 85993-3 0 1394
2 12419 51.6302 227.5919 0015333 289.8817 70.0453 15.63245967 22773

1 12419U 81 039 A 81260.47354874 .00060819 00000-0 64419-3 0 1407
2 12419 51.6301 221.4497 0015327 293.5636 66.3728 15.63393882 22965

1 12419U 81 039 A 81262.32721730 .00080160 00000-0 53715-3 0 1414
2 12419 51.6308 212.0780 0015132 299.4451 60.4977 15.63641256 23252

1 12419U 81 039 A 81264.24434697 .00081007 00000-0 83717-3 0 1423
2 12419 51.6250 202.3835 0015491 301.5276 58.1673 15.63895970 23552

1 12419U 81 039 A 81265.20284657 .00014987 00000-0 15037-3 0 1455
2 12419 51.6441 197.5473 0014407 305.9815 53.9126 15.63996894 23700

1 12419U 81 039 A 81275.13911306 .00063443 00000-0 62531-3 0 1612
2 12419 51.6227 141.8882 0014875 350.3958 9.6606 15.55203377 25422

1 12419U 81 039 A 81278.93423940 .00131657 00000-0 12641-2 0 1641
2 12419 51.6276 127.9687 0013843 0.1061 359.9918 15.55558848 2251

1 12419U 81 039 A 81278.93423969 .00060325 00000-0 53771-3 0 1651
2 12419 51.6276 127.9668 0013945 0.3187 359.7753 15.55532468 2259

1 12419U 81 039 A 81278.93423969 .00060325 00000-0 53771-3 0 1662
2 12419 51.6276 127.9668 0013945 0.3187 359.7753 15.55532468 2259

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for ts. 7

1	12419U	81 039 A	81282.31697594	.00064015	00000-0	62069-3 0	1693
2	12419	51.6267	110.8075 0014953	14.2010	345.9170	15.65951740	2787

1	12419U	81 039 A	81283.40130705	.00060509	00000-0	57582-3 0	1726
2	12419	51.6284	105.2987 0015300	15.6624	343.5211	15.66092095	2958

1	12419U	81 039 A	81287.10229791	.00065423	00000-0	60988-3 0	1732
2	12419	51.6272	86.5119 0015191	27.7887	332.6319	15.66573956	26939

1	12419U	81 039 A	81287.10229791	.00065423	00000-0	60988-3 0	1743
2	12419	51.6272	86.5119 0015191	27.7887	332.6319	15.66573956	27131

1	12419U	81 039 A	81298.12295486	.00077022	00000-0	71127-3 0	1756
2	12419	51.6303	91.3297 0015534	31.4572	328.7666	15.66733459	27294

1	12419U	81 039 A	81298.12285535	.00073847	02200-0	68281-3 0	1771
2	12419	51.6297	81.3259 0015159	32.7573	327.4698	15.66727362	27299

1	12419U	81 039 A	81290.29131676	.00079654	00000-0	71750-3 0	1796
2	12419	51.6297	70.3061 0014949	40.3673	319.9429	15.67039363	27633

1	12419U	81 039 A	81292.26805393	.00075525	00000-0	68129-3 0	1801
2	12419	51.6295	60.2511 0014968	46.9740	313.1826	15.67331749	27942

1	12419U	81 039 A	81293.35192865	.00076816	00000-0	68806-3 0	1812
2	12419	51.6294	54.7368 0015049	50.6864	309.5446	15.67497137	28119

1 12419U 81 039 A 81292.71437681 .00075724 00000-0 63102-3 0 1826
2 12419 51.6301 57.9805 0015275 47.6746 312.5497 15.67398116 28012

1 12419U 81 039 A 81295.39494225 .00012996 00000-0 19999-3 0 1955
2 12419 51.6210 44.3882 0011750 252.1591 99.7955 15.54513077 28430

1 12419U 81 039 A 81295.52512403 .00039487 00000-0 57477-3 0 1865
2 12419 51.6221 43.7383 0011748 252.6454 107.3706 15.54577291 28452

1 12419U 81 039 A 81298.29902844 .00045682 00000-0 67341-3 0 1915
2 12419 51.6273 29.9588 0010736 288.8415 91.1253 15.54866603234368

1 12419U 81 039 A 81300.21705058 .00065331 00000-0 95090-3 0 1927
2 12419 51.6216 20.3486 0011530 287.5932 72.2883 15.55049708234664

1 12419U 81 039 A 81301.30950345 .00065522 00000-0 95090-3 0 1932
2 12419 51.6265 14.8842 0010083 280.7549 79.0975 15.55146305234830

1 12419U 81 039 A 81301.30952925 .00043853 00000-0 64052-3 0 1968
2 12419 51.6261 14.8773 0010650 279.6701 80.5128 15.55136357234830

1 12419U 81 039 A 81305.55024772 .00038694 00000-0 55944-3 0 1988
2 12419 51.6296 353.7032 0010851 303.5819 56.3125 15.55471537235493

1 12419U 81 039 A 81303.43002270 .00041087 00000-0 59720-3 0 1955
2 12419 51.6269 4.2915 0010575 289.8750 70.1528 15.55301550235166

1 12419U 81 039 A 81308.24839903 .00043765 00000-0 62620-3 0 1992
2 12419 51.6307 340.2154 0010300 309.0245 50.8913 15.55704026 30371

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Kosmos 1267 forts. 8

1	12419U	81 039 A	81308.24839903	.00043765	00000-0	62620-3 0	2005
2	12419	51.6307	343.2154 0010300	309.0245	50.3913	15.55704026	30371
1	12419U	81 039 A	81315.24855237	.00057966	00000-0	80305-3 0	2066
2	12419	51.6294	305.2125 0009886	338.7662	21.2635	15.56459076	31463
1	12419U	81 039 A	81318.39427876	.00066034	00000-0	90115-3 0	2086
2	12419	51.6290	289.4675 0009718	352.8547	7.1898	15.56811664	31956
1	12419U	81 039 A	81319.29292855	.00075451	00000-0	10239-2 0	2095
2	12419	51.6277	264.9700 0009957	354.6533	5.3202	15.56901538	32096
1	12419U	81 039 A	81321.21848169	.00060167	00000-0	31394-3 0	2117
2	12419	51.6313	275.3272 0010125	4.6280	355.4757	15.57081898	32390
1	12419U	81 039 A	81322.30949746	.00049354	00000-0	66732-3 0	2137
2	12419	51.6265	269.9505 0010220	7.9459	352.0825	15.57179945	32565
1	12419U	81 039 A	81323.46463839	.00004009	00000-0	57153-4 0	2146
2	12419	51.6293	264.0777 0009553	11.0674	349.0575	15.57279983	32744
1	12419U	81 039 A	81323.46463839	.00004009	00000-0	57153-4 0	2157
2	12419	51.6293	264.0777 0009553	11.0674	349.0575	15.57279983	32744

1 12419U 01 039 A 81324.23469951 .00099127 00000-0 11721-2 0 2165
2 12419 51.6286 267.2155 0009985 14.9359 345.2955 15.57374401 32851

1 12419U 01 039 A 81325.26130795 .00019848 00000-0 25768-3 0 2173
2 12419 51.6295 255.0692 0010391 23.5690 336.3053 15.57420508 33026

1 12419U 01 039 A 81325.93994699 .00023914 00000-0 32430-3 0 2190
2 12419 51.6282 252.1575 0010052 21.8923 338.3303 15.57470595 33113

1 12419U 01 039 A 81327.18524852 .00024026 00000-0 32430-3 0 2201
2 12419 51.6307 245.4247 0009901 25.6183 334.7237 15.57599113 33324

1 12419U 01 039 A 81328.14858016 .00047825 00000-0 53533-3 0 2210
2 12419 51.6206 240.6008 0009244 30.7585 329.4320 15.57675384 33477

1 12419U 01 039 A 81328.14858016 .00047825 00000-0 53533-3 0 2210
2 12419 51.6206 240.6008 0009244 30.7585 329.4320 15.57675384 33477

1 12419U 01 039 A 81329.11087783 .00044157 00000-0 58574-3 0 2229
2 12419 51.6281 235.7775 0009620 35.1360 324.9659 15.57749900 33621

1 12419U 01 039 A 81331.22792214 .00042302 00000-0 55836-3 0 2255
2 12419 51.6255 225.1621 0009186 40.9072 319.3652 15.57903742 33959

1 12419U 01 039 A 81330.45805295 .00035449 00000-0 48330-3 0 2283
2 12419 51.6270 229.0228 0010045 39.1181 321.0504 15.57843409 33935

1 12419U 01 039 A 81332.38241511 .00043439 00000-0 57135-3 0 2260
2 12419 51.6296 219.3720 0009627 46.9586 313.1352 15.57981262 34139

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Kosmos 1267

forts. 9

1	12419U	81 039 A	81337.19256734	.00022717	00000-0	33350-3 0	2321
2	12419	51.6297	195.2411 0009446	51.7431	298.6824	15.53332077247429	

1	12419U	81 039 A	81340.33467274	.00046654	00000-0	59907-3 0	2363
2	12419	51.6261	173.4774 0009427	72.3709	287.9737	15.53595457	35373

1	12419U	81 039 A	81342.32219643	.00040875	00000-0	52279-3 0	2373
2	12419	51.6280	169.4915 0009382	81.6522	278.4735	15.58755053	35694

1	12419U	81 039 A	81343.41206664	.00041495	00000-0	52873-3 0	2383
2	12419	51.6248	164.0170 0009470	84.3861	275.3208	15.58846303	35950

1	12419U	81 039 A	81344.24543171	.00021946	00000-0	29253-3 0	2397
2	12419	51.6275	159.8371 0009114	97.1401	273.0828	15.59032207	35093

1	12419U	81 039 A	81353.53736654	.00041755	00000-0	51190-3 0	2433
2	12419	51.6293	113.1290 0009434	110.2837	249.2036	15.59860093	37434

1	12419U	81 039 A	81365.19433018	.00059633	00000-0	69213-3 0	2497
2	12419	51.6298	54.4736 0007356	147.6637	212.4104	15.60726863	39253

1	12419U	81 039 A	82 6.27612695	.00037090	00000-0	43217-3 0	2503
2	12419	51.6282	23.3319 0007866	171.0092	199.0730	15.61263715	40206

1	12419U	81 039 A	82 7.42824112	.00042243	00000-0	49789-3 0	2511
2	12419	51.6289	13.0292 0007885	174.6736	186.4700	15.61366239	40393

1 12419U 81 039 A 82 14.27552869 .00025404 00000-0 29201-3 0 2543
2 12419 51.5277 343.4967 0007632 197.2832 162.7962 15.61924915 41451

1 12419U 81 039 A 82 20.22548206 .20034420 00000-0 39768-3 0 2576
2 12419 51.5303 313.4762 0008079 219.7188 140.2669 15.62179902 42387

1 12419U 81 039 A 82 29.30725688 .00045413 00000-0 49529-3 0 2597
2 12419 51.6256 267.6231 0008034 255.8282 104.2192 15.62877308249346

1 12419U 81 039 A 82 30.20242125 .00045996 00000-0 49996-3 0 2603
2 12419 51.6251 253.0966 0008142 259.2058 100.8002 15.62957077249484

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Kosmos 1267 fragm.

1	12475U		81144.90837539	.00156653	18503-4	20844-3 0	02
2	12475	51.5841	92.3652 0014542	242.9521	117.0007	16.05995310	4800
1	12475U		81144.90837539	.00156653	18503-4	20844-3 0	13
2	12475	51.5841	92.3652 0014542	242.9521	117.0007	16.05995310	4800
1	12475U		81144.97059830	.00156956	18093-4	20844-3 0	21
2	12475	51.5926	92.0378 0006544	259.0122	101.9473	16.06205753	4813
1	12475U		81145.09491922	.00173325	22198-4	20844-3 0	40
2	12475	51.5958	91.3825 0019185	190.0238	170.0361	16.07403149	4835
1	12475U		81145.09491979	.01930868	33419-1	52763-2 0	55
2	12475	51.5838	91.3555 0010590	208.8047	151.2407	16.09017371	4832
1	12475U		81145.59132787	-.01339888	97021-1	51511-2 0	77
2	12475	51.5835	88.6697 0009694	217.2015	142.3273	16.13182769	4912
1	12475U		81145.71517023	-.02572167	12074-0	49755-2 0	34
2	12475	51.5848	87.9754 0010070	220.0289	139.9982	16.14621046	4931

1	12475U		81145.90074747	-.02091878	12235-0	42709-2	0	90
2	12475	51.5772	86.9716	0009730	224.6683	135.3527	16.15695034	4965

1	12475U		81146.20937284	.07384918	15917-4	33363-2	0	105
2	12475	51.5796	85.2668	0009989	225.4112	134.6173	16.21227829	5011

1	12475U		81146.20937247	.07452724	15930-4	33363-2	0	111
2	12475	51.5761	85.3179	0009203	238.5024	121.5193	16.21351920	5014

1	12475U		81146.57810204	.18517590	53497-4	33363-2	0	125
2	12475	51.5824	83.2297	0007970	240.5901	119.3423	16.31622112	5072

81-40A

Kosmos 1268

1	12423U		81119.43257722	-.00000291	00000-0	00000 0 0	10
2	12423	70.4020	34.3082 0119912	63.1514	298.2021	15.94964343	19
1	12423U		81119.99709433	-.00040293	00000-0	00000 0 0	24
2	12423	70.3782	32.6723 0118756	63.7516	297.5342	15.95132949	101
1	12423U	81 40A	81120.12562663	.20964807	43019-5	15069-3 0	35
2	12423	70.3837	29.4553 0093997	61.0251	299.0745	15.39354040	283
1	12423U	81 40A	81121.19560412	.00073593	45814-5	17075-3 0	43
2	12423	70.3819	26.4066 0092917	59.3720	301.7856	15.39732738	459
1	12423U	81 40A	81122.63705625	.00203513	25405-4	15375-3 0	65
2	12423	70.3651	22.2474 0019707	165.0741	195.1036	16.14211808	693
1	12423U	81 40A	81122.76099396	.00204251	25522-4	15375-3 0	71
2	12423	70.3657	21.3355 0018633	154.9515	195.2265	16.14265799	700
1	12423U	81 40A	81123.19474595	.00216619	29400-4	15633-3 0	90
2	12423	70.3931	20.3313 0018213	166.1159	194.0519	16.14452909	773
1	12423U	81 40A	81124.24794149	.00190522	43702-5	13519-3 0	106
2	12423	70.3924	17.5272 0018411	162.8250	197.1151	16.14905997	943

1	2423U	81 40A	81125.36275940	.00232374	59571-5	13513-3 0	124
2	2423	70.3782	14.2384 0025493	135.9016	223.4054	15.17827501	1124

1	2423U	81 40A	81125.36279840	.00232374	59571-5	13513-3 0	135
2	2423	70.3782	14.2384 0025493	135.9016	223.4054	15.17827501	1124

1	2423U	81 40A	81125.35195855	.00239696	61692-5	13513-3 0	141
2	2423	70.3791	11.3104 0024943	139.4043	220.9095	16.13259411	1282

1	2423U	81 40A	81127.27907077	.00065722	00000-0	35007-4 0	154
2	2423	70.3834	8.5593 0023866	137.3928	222.9481	15.18691496	1433

1	2423U	81 40A	81127.39597377	.00296407	51163-5	15907-3 0	164
2	2423	70.3918	5.7313 0023457	135.2005	224.1085	15.19070475	1530

1	2423U	81 40A	81128.09317754	.00148280	14133-4	15907-3 0	175
2	2423	70.3818	5.1892 0042796	50.3954	310.2620	16.38065523	1553

1	2423U	81 40A	81129.26990173	.00115710	10138-4	12315-3 0	181
2	2423	70.3834	5.6414 0042129	50.5087	309.9902	15.08106272	1592

1	2423U	81 40A	81129.20281593	.00155951	15151-4	13393-3 0	192
2	2423	70.3822	2.9175 0040523	49.2812	311.2544	16.08398515	1741

1	2423U	81 40A	81130.19781014	.00160789	15900-4	15550-3 0	204
2	2423	70.3833	3.0120 0040478	47.7904	312.6691	16.03708250	1900

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Kosmos 1268

forts-1

1	12423M	81 40A	81130.38435339	.00162213	16119-4	15545-3 0	213
2	12423	70.3936	359.4655 0040258	.47.2210	313.2482	16.03771477	1939
1	12423U	81 40A	81131.37912294	.00166649	16998-4	16741-3 0	222
2	12423	70.3932	356.5567 0040028	44.6152	315.9319	16.09103201	2095

81-41A

Kosmos 1269

1	124420	81	41	A	81127.68523077	-.00000012	00000-0	00000 0 0	11
2	12442	74.3539	73.5642	0020309	354.3955	5.6963	14.28592939	15	
1	124420	81	41	A	81127.61521597	-.00000012	00000-0	00000 0 0	21
2	12442	74.2674	73.7149	0007993	16.0775	344.0624	14.28072260	05	
1	124420	81	41	A	81127.82551172	.73655517	00000-0	-40095 1 0	33
2	12442	74.0491	73.3125	0018167	55.6242	304.7259	14.24971515	30	

81-42A

Soyuz 40

1	12454U	81 42	A	81134.89761259	-.00008266	57250-4	00000 0 0	15
2	12454	51.6241	140.4154	0059026	82.7931	277.9791	16.15942337	39
1	12454U	81 42	A	81135.02138120	-.00000546	00000-0	00000 0 0	29
2	12454	51.6185	139.7494	0036590	205.0402	164.3933	15.97178756	50
1	12454U	81 42	A	81135.27164915	.00240356	29667-4	49663-3 0	30
2	12454	51.6258	138.4254	0037754	205.2933	154.6735	15.97290215	94
1	12454U	81 42	A	81135.70953110	.00161311	14608-4	49714-3 0	49
2	12454	51.6327	136.1171	0055679	143.1543	217.3308	15.39673436	163

81-43A

Meteor 2-7

1	12455U	81 43	A	91135.11059046	.00000005	00000-0	00000 0 0	15
~	12455	91.2693		222.7941 0026551	250.5941	109.2357	14.05218948	33
1	12455U	81 43	A	91138.38350425	.00000005	00000-0	00000 0 0	47
2	12455	91.2691		219.6347 0026239	239.4755	121.3394	14.05251985	497

81-44A

NOVA 1

1	12458U	81 44	A	81135.36539104	.00000016	00000-0	00000 0 0	11
2	12458	90.1525		25.0029 0413991	171.0327	139.8600	14.75358475	13
1	12459U	81 44	A	81138.52154457	.00057606	00000-0	19297-2 0	87
2	12459	90.1485		25.0579 0414945	159.6307	202.2838	14.75626594	492
1	12458U	81 44	A	81133.39696885	.03271127	00000-0	-10958 1 0	103
2	12458	90.1053		25.0561 0237746	129.6729	232.5692	14.24813050	534
1	12458U	81 44	A	81139.61111149	.00034643	00000-0	23395-1 0	111
2	12458	90.0737		25.0513 0194337	84.5705	277.7603	13.31446564	630
1	12459U	81 44	A	81143.24073009	.00000403	00000-0	44999-3 0	185
2	12459	90.0315		25.0391 0124762	110.7355	250.7235	13.55831979	1135
1	12458U	81 44	A	81144.11944322	.00000193	00000-0	30727-3 0	199
2	12458	89.9291		25.0335 0138605	169.1234	191.2348	13.43444019	1252

81-45A

Kosmos 1270

1	12461U	81 45	A	81138.61223513	-.00004946	34316-4	00000 0 0	14
2	12461	64.8576		89.0031 0131802	64.0747	297.3936	16.05209955	17
1	12461U	81 45	A	81138.67453513	-.00004927	33905-4	00000 0 0	29
2	12461	64.8603		88.7737 0132225	63.9957	297.4760	16.05243732	27
1	12461U	81 45	A	81139.11050406	-.00004959	34284-4	00000 0 0	39
2	12461	64.8595		87.1656 0130149	64.4915	296.9647	16.05954188	93
1	12461U	81 45	A	81139.23504980	.00852775	33893-4	34645-3 0	42
2	12461	64.8579		86.7059 0129720	64.1081	297.4422	16.06296261	119
1	12461U	81 45	A	81139.35741079	.00774269	34173-4	29914-3 0	59
2	12461	64.8602		84.4116 0126057	63.8119	297.3453	16.07219543	220
1	12461U	81 45	A	81140.35512022	.00779642	34466-4	29914-3 0	55
2	12461	64.8606		82.5689 0122576	63.4014	297.8968	16.07979190	306

1	12451U	81 45	A	81140.35513207	.00751179	34511-4	23312-3 0	70
2	12451	64.3575		82.5595 0123696	63.7304	297.5957	16.07936932	303

1	12461U	81 45	A	81141.22552293	.00774777	34543-4	27344-3 0	83
2	12461	64.3554		79.3529 0120079	63.1510	298.2400	16.09298251	444

1	12461U	81 45	A	81141.28754030	.00817952	34241-4	23530-3 0	99
2	12461	64.3570		79.1232 0119718	63.3285	299.0086	16.09490053	452

1	12461U	81 45	A	81141.90881331	.00812562	34307-4	27213-3 0	108
2	12461	64.3548		76.8213 0116696	63.0881	299.2116	16.10472980	552

1	12461U	81 45	A	81143.21200525	.00890164	34759-4	25820-3 0	124
2	12461	64.8562		71.9841 0110578	52.5361	298.7945	16.12684674	764

1	12461U	81 45	A	81144.14158080	.01107511	34599-4	32478-3 0	132
2	12461	64.8667		68.5152 0117732	61.8979	299.4035	16.11516289	912

1	12461U	81 45	A	81145.25790131	.01061148	35054-4	23559-3 0	146
2	12461	64.3572		64.3645 0109966	61.5559	299.5864	16.13853803	1093

1	12461U	81 45	A	81146.24870979	.01158744	35290-4	27592-3 0	159
2	12461	64.3538		60.6649 0103895	61.1064	300.1519	16.16157736	1254

1	12461U	81 45	A	81147.23805014	.01152503	35096-4	24418-3 0	163
2	12461	64.8537		55.9604 0097472	60.7501	300.2953	16.18449637	1416

1	12461U	81 45	A	81148.04079589	.00873981	34419-4	23293-3 0	171
2	12461	64.8508		53.9457 0143287	79.2789	282.4475	16.05071545	1543

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Kosmos 1270

forts. 1

1	12461U	81 45	A	81148.22769595	.00822744	34359-4	27143-3 0	186
2	12461	64.8503		53.2524 0142449	79.9206	282.7910	16.05397616	1575

1	12461U	81 45	A	81148.97435939	.01160486	34322-4	35205-3 0	194
2	12461	64.8532		50.5011 0136938	79.5613	282.0955	16.07039179	1597

1	12461U	81 45	A	81149.22373406	.01263964	34330-4	33483-3 0	203
2	12461	64.8518		49.5754 0134705	79.0259	282.6838	16.07720318	1737

1	12461U	81 45	A	81150.03184902	.00984944	34374-4	28498-3 0	212
2	12461	64.8460		46.5921 0129174	78.6461	282.3025	16.093333185	1853

1	12461U	81 45	A	81150.21835804	.00942284	34392-4	25596-3 0	225
2	12461	64.8494		45.8980 0128706	78.6776	282.9390	16.09656985	1895

1	12461U	81 45	A	81151.33593847	.00959749	34919-4	24464-3 0	245
2	12461	64.8519		41.7489 0122655	78.6049	282.8434	16.11808266	2075

1	12461U	81 45	A	81152.20413785	.01046485	34659-4	24553-3 0	259
2	12461	64.8530		38.5203 0116879	77.8481	284.0757	16.13709434	2215

1	12461U	81 45	A	81153.19487476	.01313278	35554-4	25333-3 0	273
2	12461	64.8516		34.8213 0110937	77.7912	283.6745	16.16208179	2373

1 12461U 81 45 A 81154.18408306 .01439590 35393-4 21062-3 0 287
2 12461 64.8526 31.1131 0103812 77.6003 283.6009 16.13914455 2537

1 12461U 81 45 A 81154.37025145 .00603839 34427-4 21063-3 0 299
2 12461 64.8554 30.4290 0133112 94.0343 267.6076 16.05811926 2566

1 12461U 81 45 A 81155.24118039 .00868549 34557-4 25241-3 0 301
2 12461 64.8512 27.2050 0132129 95.7127 265.9298 16.08337636 2700

1 12461U 81 45 A 81155.24118038 .00868549 34557-4 25241-3 0 312
2 12461 64.8512 27.2050 0132129 95.7127 265.9298 16.08337636 2700

1 12461U 81 45 A 81156.29762913 .00982770 34594-4 25710-3 0 322
2 12461 64.8488 23.2889 0127900 95.2919 266.1696 16.10161328 2971

1 12461U 81 45 A 81157.16671700 .00938118 34714-4 23306-3 0 331
2 12461 64.8509 20.0610 0124121 94.9116 266.2957 16.11737219 3017

1 12461U 81 45 A 81157.91090699 .00711949 33936-4 23306-3 0 340
2 12461 64.8492 17.2943 0161472 104.8723 257.0390 16.01475697 3139

1 12461U 81 45 A 81158.16054886 .00735510 33741-4 23306-3 0 354
2 12461 64.8472 16.3741 0156268 104.5910 257.2645 16.02874490 3170

1 12461U 81 45 A 81158.28532726 .00735138 34242-4 23299-3 0 377
2 12461 64.8483 15.9229 0155423 104.6189 257.2343 16.03052303 3199

1 12461U 81 45 A 81159.22050956 .00911063 34238-4 25953-3 0 393
2 12461 64.8516 12.4797 0150234 103.7837 258.0124 16.04756700 3343

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Kosmos 1270

forts. 2

1 12461U 81 45 A 81160.21713965 .00925540 34505-4 25175-3 0 400
 2 12461 64.8475 8.8128 0145091 103.5196 258.2163 16.05586037 3503

1 12461U 81 45 A 81151.21296043 .00724817 33454-4 22534-3 0 415
 2 12461 64.8531 5.1405 0184315 108.4030 253.7274 15.95972479 3660

1 12461U 81 45 A 81162.08930485 .00695223 34107-4 20366-3 0 421
 2 12461 64.8487 1.9456 0180104 108.0932 253.9913 15.93321984 3807

1 12461U 81 45 A 81162.21443797 .00743669 33302-4 22030-3 0 437
 2 12461 64.8487 1.4886 0179326 108.1053 253.9821 15.99514015 3823

1 12461U 81 45 A 81163.21493355 .00876542 33824-4 24745-3 0 445
 2 12461 64.8464 357.8392 0172936 107.7177 254.7314 16.00308420 3993

1 12461U 81 45 A 81165.21222908 .00925448 34335-4 21071-3 0 477
 2 12461 64.8438 350.5069 0161756 107.3660 254.7202 16.04193952 4304

1 12461U 81 45 A 81166.20902787 .01073143 34275-4 20352-3 0 483
 2 12461 64.8464 346.8381 0154613 107.1075 254.9422 16.06327341 4467

1 12461U 81 45 A 81164.02635201 .01094053 34011-4 26876-3 0 455
 2 12461 64.8419 354.8672 0169354 109.2302 253.7380 16.01883410 4113

1	12461U	81	45	A	81164.21411957	.00932919	34154-4	23079-3 0	453
2	12461				64.8472 354.1756 0167842	107.6035	254.2379	16.02208828	4141

1	12461U	81	45	A	81167.20444259	.01170161	34616-4	19069-3 0	490
2	12461				64.8460 343.1632 0147023	106.8612	255.2907	16.03704136	4625

1	12461U	81	45	A	81167.38780106	.01396181	34355-4	20655-3 0	500
2	12461				64.8440 340.6282 0140726	106.8890	254.7777	16.10555393	4739

81-46A

Kosmos 1271

1	12464U	81 46	A	81139.21900341	.00000009	00000-0	00000 0 0	19
2	12464	81.2312		317.9177 0009376	113.0380	247.1917	14.75314714	17
1	12464U	81 46	A	81139.28567914	.00000009	00000-3	00000 0 0	22
2	12464	81.2230		317.8469 0016416	20.1025	340.0926	14.77464733	22
1	12464U	81 46	A	81141.18192833	.00002625	00000-0	35541-3 0	51
2	12464	81.2215		315.7919 0016030	11.7015	349.4499	14.77474571	309

81-47A

Kosmos 1272

1	12465U	81 47	A	81141.43968107	-.00000296	00000-0	00000 0 0	13
2	12465	70.3680		59.4470 0127710	66.1433	295.3099	15.93090963	13
1	12465U	81 47	A	81141.43968107	-.00000296	00000-0	00000 0 0	13
2	12465	70.3680		59.4470 0127710	66.1433	295.3099	15.93090963	13
1	12465U	81 47	A	81142.13008387	.00146351	18054-4	14559-3 0	30
2	12465	70.4224		57.5908 0119593	67.5609	293.2219	15.97971043	127
1	12465U	81 47	A	81142.51620301	.00012025	00000-0	14559-3 0	43
2	12465	70.3911		56.4671 0040653	208.8178	151.0771	15.59901549	181
1	12465U	81 47	A	81143.22225382	.00043493	00000-0	51366-3 0	52
2	12465	70.3911		54.5481 0040316	207.5132	152.4287	15.59828572	295
1	12465U	81 47	A	81144.24829935	.00001093	00000-0	14090-4 0	63
2	12465	70.3905		51.7505 0040348	205.4925	154.1327	15.59798039	453
1	12465U	81 47	A	81145.27445064	.00001084	00000-0	14090-4 0	71
2	12465	70.3907		48.9725 0040096	203.5537	156.3809	15.59800831	515

1 12465U 81 47 A 81146.23641768 .00003293 00000-0 40335-4 0 83
2 12465 70.3908 46.3590 0039997 201.9059 159.7615 15.59810287 763

1 12465U 81 47 A 81147.26250452 .00005025 00000-0 51769-4 0 96
2 12465 70.3905 43.5681 0040169 200.5548 159.3815 15.59812892 929

1 12465U 81 47 A 81148.22446546 .00000911 00000-0 12721-4 0 109
2 12465 70.3903 40.9543 0040233 199.8311 161.7909 15.59806567 1077

1 12465U 81 47 A 81149.18543645 .00001557 00000-0 19855-4 0 113
2 12465 70.3912 33.3401 0039685 196.9571 163.0107 15.59809275 1225

1 12465U 81 47 A 81150.21253263 .00003715 00000-0 45559-4 0 122
2 12465 70.3924 35.5523 0039246 194.9409 165.0553 15.59814517 1381

1 12465U 81 47 A 81152.26471503 .00000883 00000-0 11705-4 0 140
2 12465 70.3925 29.9716 0039222 191.7512 168.2695 15.59814365 1707

1 12465U 81 47 A 81153.22667512 .00014987 00000-0 13110-3 0 150
2 12465 70.3925 27.3601 0039372 191.1173 168.9278 15.59828756 1354

1 12465U 81 47 A 81154.25274318 .00001526 00000-0 19387-4 0 166
2 12465 70.3925 24.5749 0039257 188.5692 171.3506 15.59815263 2016

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Kosmos

1273

1	12469U		81142:35297156	.00084792	00000-0	59999-4 0	37
2	12469	82.2377	13.7703 0040172	85.6997	274.3975	16.14148174	17
1	12469U		81142.41496605	.00085506	00000-0	59999-4 0	50
2	12469	82.2981	13.6972 0041026	85.2315	275.3560	16.14179216	28
1	12469U		81142.78648591	.00091373	00000-0	59999-4 0	63
2	12469	82.3233	13.2598 0028598	100.4663	259.9823	15.15137691	37
1	12469U		81142.78648627	.00091502	00000-0	59999-4 0	79
2	12469	82.3193	13.2587 0028958	100.4214	260.0253	16.15131100	86
1	12469U		81149.22543802	.00247438	-19902-5	11872-3 0	165
2	12469	82.3262	5.8483 0018770	82.1409	279.5397	16.20856932	962
1	12469U		81149.21302952	.00254556	-19989-5	12218-3 0	175
2	12469	82.3259	5.6932 0018081	79.0782	281.3106	16.21375975	1129

1	12469U		81149.95379527	.00210820	-14245-5	12218-3 0	193
2	12469	82.3203	4.8159 0007193	114.6892	245.5145	16.19910121	1242

1	12469U		81150.20105320	.00165098	00000-0	95553-4 0	193
2	12469	82.3248	4.5162 0006229	110.2994	249.3804	16.13855637	1281

1	12469U		81151.25174405	.00216509	-16484-5	12091-3 0	209
2	12469	82.3232	3.2900 0005953	107.1077	253.0995	16.19331904	1455

1	12469U		81152.24035816	.00209922	-14387-5	11355-3 0	213
2	12469	82.3252	2.1143 0006040	102.1211	258.0470	16.19745565	1613

1	12469U		81154.27852465	.00229767	-13345-5	11579-3 0	234
2	12469	82.3224	359.7088 0005427	97.8864	262.2543	16.20684902	1941

1	12469U		81155.25573503	.04755997	-57594-5	15483-2 0	247
2	12469	82.3273	358.5203 0008458	222.7282	137.3352	16.26022279	2109

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GOES 5

1	12472U		81144.37537419	-.00000092	00000-0	99999-4 0		30
2	12472	0.4519	293.5310	1544095	290.0460	116.0069	0.32215343	20
1	12473U	81 49 B	81142.99253773	.00002523	-17932-4	00000 0 0		13
2	12473	28.1308	35.9021	1569695	175.0978	185.3592	12.70231542	16
1	12473U	81 49 B	81142.99253781	.00002672	-18529-4	00000 0 0		20
2	12473	28.1314	36.9016	1569781	176.0951	185.3759	12.70204600	19
1	12473U	81 49 B	81145.49990313	.01041762	-19451-4	11306-2 0		52
2	12473	28.1263	25.1505	1546145	195.3254	159.4718	12.75926174	339
1	12474U		81144.38859585	-.00000015	00000-0	00000 0 0		29
2	12474	0.4654	313.0977	0375443	267.8207	136.1926	1.02492223	22
1	12474U		81147.31557659	.00000119	00000-0	00000 0 0		36
2	12474	0.5025	293.5895	0018214	296.4811	135.6782	1.00959463	55
1	12497U		81153.32111117	.00181830	25946-4	31935-2 0		62
2	12497	04.3683	38.8018	7215544	185.3139	157.2561	2.41441792	196

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Rohini 2

1	12491U	81	51	A	81151.18691720	-.00006960	47945-4	00000 0 0	10
2	12491	46.2504	213.7178	0173297	79.8167	292.2255	15.39920919		03

1	12491U	81	51	A	81151.31255493	-.00006970	48135-4	00000 0 0	22
2	12491	46.2504	215.9307	0173297	80.5559	281.4900	15.30279036		27

1	12491U	81	51	A	81151.37541282	-.00006977	48192-4	00000 0 0	33
2	12491	46.2690	215.6125	0173009	81.0547	280.9820	15.39919346		31

1	12491U	81	51	A	81151.43823578	-.00007019	48582-4	00000 0 0	43
2	12491	46.2690	215.2440	0173009	81.4344	280.6144	15.30152012		43

1	12491U	81	51	A	81151.94048559	.01496576	48379-4	10913-2 0	54
2	12491	46.2573	212.2696	0166047	83.8007	279.1940	15.91910342		123

1	12491U	81	51	A	81152.19142949	.01356831	48407-4	97499-3 0	62
2	12491	46.2567	210.7984	0163674	85.2697	276.6396	15.92651348		139

1	12491U	81	51	A	81155.37866823	.02166255	50051-4	99002-3 0	116
2	12491	46.2527	191.8731	0126339	104.2721	257.2204	16.04915754		673

1	12491U	81	51	A	81159.02442391	.13854972	53667-4	51015-3	Ø	186
2	12491	46.2526	169.6659	0041699	129.4753	230.9892	16.39393797			1263

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Kosmos 1274

1	12495U	81 52	A	81154.63659569	-.00004107	28304-4	00000 0 0	00
2	12495	67.1870		88.4937 0111434	20.2803	340.2766	16.19790334	01

1	12495U	81 52	A	81154.63658569	-.00004107	29304-4	00000 0 0	11
2	12495	67.1870		88.4937 0111434	20.2803	340.2766	16.19790334	01

1	12495U	81 52	A	81154.98595600	-.00003960	27299-4	00000 0 0	23
2	12495	67.1576		87.5130 0137836	73.7201	287.9098	16.04649101	46

1	12495U	81 52	A	81154.98603510	-.00004053	29042-4	00000 0 0	35
2	12495	67.1730		87.5536 0132697	72.3615	289.2014	16.05796157	49

1	12495U	81 52	A	81155.26006215	.00602973	27477-4	24756-3 0	41
2	12495	67.1495		86.2807 0137882	74.6363	286.9998	16.04308681	103

1	12495U	81 52	A	81156.31947086	.00343732	27531-4	13321-3 0	52
2	12495	67.1470		82.7226 0134695	73.5027	288.0706	16.05574831	277

1	12495U	81	52	A	81156.31947086	.00343732	27531-4	13321-3 0	53
2	12495	57.1470	82.7226	0134695	73.5027	299.0706	16.05574831	289	
1	12495U	81	52	A	81157.12903251	.00605171	27902-4	22560-3 0	74
2	12495	57.1499	79.9883	0131110	72.6648	299.3834	16.05598995	415	
1	12495U	81	52	A	81157.19129573	.00637002	27722-4	23508-3 0	93
2	12495	57.1511	79.7796	0131059	72.5946	289.3671	16.06696136	422	
1	12495U	81	52	A	81158.24909650	.00682714	27887-4	23331-3 0	91
2	12495	57.1468	76.2113	0126873	71.5106	290.0527	16.08117617	599	
1	12495U	81	52	A	81159.24908435	.00676388	27441-4	23525-3 0	109
2	12495	67.1470	76.2120	0127069	71.4192	290.0710	15.03112725	590	
1	12495U	81	52	A	81159.18158215	.00837321	28158-4	27534-3 0	113
2	12495	67.1519	73.0574	0121986	71.1575	290.3245	16.09660397	749	
1	12495U	81	52	A	81159.24370823	.00828561	27948-4	25940-3 0	123
2	12495	67.1502	72.8460	0122042	70.8350	290.5397	15.09757784	751	
1	12495U	81	52	A	81160.17524109	.00785340	28368-4	24029-3 0	136
2	12495	67.1494	69.6869	0117586	59.7796	291.4489	15.11226947	916	
1	12495U	81	52	A	81160.35789073	.00738527	27731-4	21440-3 0	147
2	12495	67.1501	67.3724	0114938	59.3226	292.0245	16.12248454	1020	

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Kosmos 1274

forts. 1

1	12495U	81 52	A	81162.15977386	.00870628	28340-4	22346-3 0	163
2	12495	67.1488		62.9373 0109486	67.3745	293.9740	16.14458125	1223

1	12495U	81 52	A	81163.02693191	.00731333	27860-4	22322-3 0	174
2	12495	67.1543		59.9580 0132930	63.4230	298.0513	16.07945525	1363

1	12495U	81 52	A	81163.21352224	.00793277	28032-4	22936-3 0	188
2	12495	67.1470		59.3464 0134534	62.0873	299.3581	16.08312745	1392

1	12495U	81 52	A	81165.07725525	.00865876	27913-4	21843-3 0	204
2	12495	67.1458		53.0369 0124192	60.4499	300.9006	16.11657279	1690

1	12495U	81 52	A	81165.20136447	.00931595	28345-4	23622-3 0	217
2	12495	67.1425		52.6157 0122774	60.3577	300.9970	16.11892324	1715

1	12495U	81 52	A	81165.94563247	.00923567	28267-4	21953-3 0	229
2	12495	67.1448		50.0950 0118821	59.4802	301.7585	16.13274353	1836

1	12495U	81 52	A	81165.19359141	.01042743	29395-4	23932-3 0	234
2	12495	67.1440		49.2392 0117357	59.3693	302.0397	16.13874337	1975

1	12495U	81 52	A	81164.33228654	.00850956	28235-4	22628-3 0	193
2	12495	67.1475		55.5623 0129681	60.8553	300.8669	16.10259454	1576

1	12495U	81 52	A	81167.19450484	.01093638	29663-4	21213-3 0	243
2	12495	67.1449		45.8594 0111150	58.5648	302.7502	16.15053003	2034

1	12495U	81 52	A	81167.92715222	.00608677	27919-4	20540-3 0	259
2	12495	67.1462		43.3265 0140288	74.6601	287.0041	16.05711185	2154

1	12495U	81 52	A	81168.23855863	.00754018	27523-4	25069-3 0	265
2	12495	67.1435		42.2715 0138625	74.4133	287.2958	16.05181636	2200

1	12495U	81 52	A	81170.04275386	.00809063	29106-4	23785-3 0	297
2	12495	67.1433		35.1799 0129937	72.6377	288.9978	16.09104534	2493

1	12495U	81 52	A	81169.29661568	.00770113	29248-4	23785-3 0	272
2	12495	67.1433		38.7009 0133728	73.4397	288.3338	16.07975583	2379

1	12495U	81 52	A	81171.22300861	.00895411	28307-4	23359-3 0	293
2	12495	67.1410		32.1790 0123952	71.3778	290.3017	16.11215630	2683

1	12495U	81 52	A	81172.15362270	.00892338	28372-4	22093-3 0	305
2	12495	67.1394		29.0151 0118538	70.5940	290.9383	16.12975965	2930

1	12495U	81 52	A	81173.08317610	.00970272	27916-4	21981-3 0	319
2	12495	67.1398		25.8480 0113460	69.6913	291.6057	16.14816932	2983

1	12495U	81 52	A	81173.14511753	.00975710	28123-4	21907-3 0	323
2	12495	67.1398		25.6347 0113012	69.6843	291.6535	16.14945706	2992

1	12495U	81 52	A	81174.07346684	.01117172	28624-4	22370-3 0	349
2	12495	67.1381		22.4597 0106121	68.7754	292.4737	16.17101960	3140

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Kosmos 1274 forts.2.

1	12495U	81 52	A	81174.25899208	.01130056	29479-4	21972-3 0	355
2	12495	67.1394		21.8262 0104746	69.7369	292.5021	16.17525445	3177
1	12495U	81 52	A	81174.81565567	.00811419	27656-4	21972-3 0	360
2	12495	67.1781		19.9244 0141642	79.5172	282.1943	16.07420330	3267
1	12495U	81 52	A	81175.18893240	.00834004	28187-4	21972-3 0	370
2	12495	67.1319		18.6530 0140094	78.5040	283.1844	16.07994098	3325
1	12495U	81 52	A	81175.18893240	.00834279	28191-4	22079-3 0	389
2	12495	67.1381		19.6573 0139913	78.9875	282.7085	16.07931365	3320
1	12495U	81 52	A	81176.24570229	.00947253	29382-4	22908-3 0	409
2	12495	67.1390		15.0923 0133829	77.7090	284.1071	16.10034414	3497
1	12495U	81 52	A	81176.61830470	.01012102	29307-4	23366-3 0	411
2	12495	67.1392		13.3195 0131348	77.2434	284.4154	16.10840158	3550
1	12495U	81 52	A	81177.17690530	.01177130	28007-4	24622-3 0	421
2	12495	67.1395		11.9225 0127109	76.9613	284.3256	16.12190941	3647
1	12495U	81 52	A	81178.29253168	.01336031	29231-4	22639-3 0	431
2	12495	67.1403		8.1169 0118716	75.2421	286.2235	16.14943458	3920

1	12495U	81 52	A	81178.66411981	.01899754	28429-4	23434-3 0	445
2	12495	67.1479		6.9625 0116607	75.3153	286.0934	16.15936306	3880
1	12495U	81 52	A	81178.35121312	.01040840	27777-4	23434-3 0	452
2	12495	67.1374		6.2296 0160064	86.6031	275.3453	16.03425393	3915
1	12495U	81 52	A	81179.22538420	.00910119	27505-4	25203-3 0	452
2	12495	67.1389		4.9655 0156292	86.7058	275.1791	16.04118916	3973
1	12495U	81 52	A	81180.28470930	.00975660	27634-4	25203-3 0	477
2	12495	67.1386		1.4019 0149661	85.5029	276.4596	16.06139533	4141
1	12495U	91 52	A	81131.28042604	.01084327	28124-4	25203-3 0	488
2	12495	67.1364		358.0422 0141997	84.3624	277.8839	16.03377810	4304
1	12495U	81 52	A	81132.15040397	.01367377	28264-4	22144-3 0	495
2	12495	67.1360		355.0948 0135766	83.4433	278.1529	16.10253461	4448
1	12495U	81 52	A	81183.14349452	.01179343	27947-4	20566-3 0	501
2	12495	67.1280		351.7282 0128544	81.8192	279.7248	16.12604463	4600
1	12495U	81 52	A	81184.01116971	.01378042	28486-4	19646-3 0	532
2	12495	67.1357		348.7535 0121323	81.4551	290.0426	16.14977500	4746

81-53A

Kosmos 1275

1	12504U	81 53	A	91155.78542759	.00000006	00000-0	00000 0 0	26
2	12504	82.9392		156.3749 0034306	282.8340	76.9005	13.73512106	12
1	12504U	81 53	A	91156.07683535	.00000006	00000-0	00000 0 0	39
2	12504	82.9446		156.1610 0035333	282.7947	76.9219	13.73421333	52
1	12504U	81 53	A	91156.29538354	.00022063	00000-0	23542-1 0	46
2	12504	82.9601		155.9991 0034302	278.5725	81.1535	13.73451322	89

81-54A

Molviya 3R

1	12512U	81	54	A	81161.22243848	.00000091	00000-0	00000 0 0	12
2	12512	62.8109	260.5299		7478507	280.1541	10.6363	1.95501968	25
1	12512U	81	54	A	81162.24543519	.00000211	00000-0	00000 0 0	29
2	12512	62.8112	260.3724		7477915	280.1613	10.6292	1.95498910	37
1	12512U	81	54	A	81179.25943726	-.00000003	00000-0	00000 0 0	121
2	12512	62.8349	257.7201		7424770	280.2387	10.9987	2.00615789	394

81-55A

Kosmos 1276

1	12517U	81 55	A	81167.28413865	.00000094	00000-0	00000 0 0	16
2	12517	82.3608		35.9927 0017236	98.4556	271.3705	16.17796565	09
1	12517U	81 55	A	81167.59347217	.00000085	00000-0	00000 0 0	45
2	12517	82.3742		35.6169-0017670	87.3196	273.0178	16.17759357	59
1	12517U	81 55	A	81168.21199897	.00190277	-14941-5	11408-3 0	62
2	12517	82.3651		34.3868 0017256	86.3563	274.0681	16.13021471	157
1	12517U	81 55	A	81169.26324377	.00184654	-16557-5	-10757-3 0	75
2	12517	82.3651		33.6550-0017145	81.5313	278.7659-16	-13408416	322
1	12517U	81 55	A	81171.24139829	.00198319	-13546-5	10915-3 0	82
2	12517	82.3627		31.3364 0016428	76.9711	283.4240	16.19191608	643
1	12517U	81 55	A	81172.23009461	.00210710	-14675-5	11255-3 0	93
2	12517	82.3620		30.1775 0016042	74.9030	285.4530	16.19606802	302
1	12517U	81 55	A	81173.21853588	.00206887	-18194-5	10711-3 0	102
2	12517	82.3622		29.0172 0015942	70.2500	290.0279	16.20013191	964

1	12517U	81 55	A	81174.20674414	.00209150	-17906-5	10525-3 0	111
2	12517	82.3610		27.9570 0015172	66.4238	293.9465	16.20413949	1121

1	12517U	81 55	A	81175.19470602	.00210153	-19626-5	10260-3 0	126
2	12517	82.3612		26.6963 0014655	61.1129	299.1554	16.20823705	1293

1	12517U	81 55	A	81175.24413929	.00217315	-20013-5	10260-3 0	132
2	12517	82.3603		25.4629 0014021	57.7450	302.5473	16.21276979	1457

1	12517U	81 55	A	81177.23156299	.00225176	-18127-5	10260-3 0	143
2	12517	82.3602		24.2999 0013925	53.1211	307.2151	16.21733722	1613

1	12517U	81 55	A	81177.84860994	.00196562	-18763-5	11116-3 0	159
2	12517	82.3253		23.6137 0014917	115.7736	244.5093	16.18896472	1712

1	12517U	81 55	A	81177.84860994	.00196562	-18763-5	11116-3 0	150
2	12517	82.3253		23.6137 0014917	115.7736	244.5093	16.18896480	1712

1	12517U	81 55	A	81178.77582099	-.01609387	00000-0	-89878-3 0	177
2	12517	82.3753		22.4970 0021313	88.8778	271.4951	16.18793577	1863

1	12517U	81 55	A	81178.96121507	.00284488	-18669-5	15465-3 0	187
2	12517	82.3676		22.2748 0019231	89.8467	270.5024	16.19227298	1893

1	12517U	81 55	A	81179.27021304	.00190927	-16929-5	10303-3 0	194
2	12517	82.3657		21.9106 0019194	88.6045	271.7442	16.19315617	1944

81-55A

Kosmos 1276

forts. 1

1	12517U	81 55	A	81180.01171448	.00203377	-19622-5	10722-3 0	207
2	12517	82.3627		21.0351 0019183	85.3596	275.0133	16.19619670	2061

1	12517U	81 55	A	81180.25884484	.00204997	-19744-5	10722-3 0	219
2	12517	82.3627		20.7454 0019159	84.0611	276.2723	16.19724030	2100

1	12517U	81 55	A	81180.25884484	.00204997	-19744-5	10722-3 0	220
2	12517	82.3627		20.7454 0019159	84.0811	276.2723	16.19724030	2100

1	12517U	81 55	A	81180.93759349	.00236742	-19487-5	10722-3 0	233
2	12517	82.3488		19.9447 0014850	90.9731	269.3259	16.21772078	2214

81-56A

Kosmos 1277

1	12520U	81 56	A	81168.45356198	-.00000297	00000-0	00000 0 0	23
2	12520	70.4068		91.1239 0127793	66.9095	294.5526	15.93623852	14
1	12520U	81 56	A	81168.51634763	.08660313	54967-5	10650-1 0	52
2	12520	70.3908		90.9199 0127114	66.8041	294.6498	15.93562220	26
1	12520U	81 56	A	81169.32983565	.09675448	53543-5	10650-1 0	69
2	12520	70.3821		90.0281 0123885	65.0021	296.3996	15.94165794	76
1	12520U	81 56	A	81169.01901053	.09551408	59124-5	10650-1 0	74
2	12520	70.3883		89.4854 0121309	62.0031	299.3693	15.95927975	107
1	12520U	81 56	A	81169.08100209	.00935627	00000-0	10550-1 0	80
2	12520	70.4073		89.3138 0023779	204.4258	155.5911	15.59821167	110
1	12520U	81 56	A	81169.14512443	.00971186	00000-0	10550-1 0	96
2	12520	70.4126		89.1339 0035202	205.9906	153.9522	15.59354547	125
1	12520U	81 56	A	81170.10696837	-.00005814	00000-0	-67991-4 0	119
2	12520	70.4015		86.5463 0041775	206.4290	153.0327	15.59871799	277

1	12520U	81 56	A	91171.45373446	-.00006338	00000-0	-74176-4 0	121
2	12520	70.4015		92.9903 0042033	204.1291	155.9045	15.59871932	489

1	12520U	81 56	A	81172.22327428	.00037872	00000-0	44999-3 0	131
2	12520	70.4009		80.7981 0041417	203.0153	156.9492	15.59898504	502

1	12520U	81 56	A	81172.67216755	.00027007	00000-0	32249-3 0	145
2	12520	70.3965		79.5825 0040844	202.4575	157.4833	15.59886311	675

1	12520U	81 56	A	81173.18518435	.00027037	00000-0	32249-3 0	156
2	12520	70.3989		78.1851 0041184	201.6260	158.2731	15.59896986	753

1	12520U	81 56	A	81174.21124595	.00025132	00000-0	29999-3 0	164
2	12520	70.3967		75.3992 0040899	200.3746	159.6097	15.59910338	912

1	12520U	81 56	A	81175.23729130	.00003611	00000-0	44059-4 0	177
2	12520	70.3983		72.6101 0041128	197.4772	162.4434	15.59873335	1073

1	12520U	81 56	A	81176.19922259	.00003614	00000-0	44059-4 0	134
2	12520	70.3976		69.9977 0041101	196.2039	163.7657	15.59879569	1220

1	12520U	81 56	A	81177.03290379	.00084136	00000-0	99312-3 0	194
2	12520	70.3976		67.7339 0041097	194.7254	165.2747	15.59896466	1352

1	12520U	81 56	A	81177.22528360	.00084144	00000-0	99312-3 0	205
2	12520	70.4017		67.2067 0040197	194.7419	165.2455	15.59929115	1381

1	12520U	81 56	A	81178.31547442	.00022336	00000-0	26739-3 0	227
2	12520	70.3983		64.2490 0040620	192.1012	167.9055	15.59880962	1552

81-56A

Kosmos 1277 fonts. 1

1	12520U	81 56	A	81179.27738242	.00002485	00000-0	30719-4 0	231
2	12520	70.3985		61.6344 0040560	190.6228	169.2597	15.59866851	1703
1	12520U	81 56	A	81180.17520514	.00002486	00000-0	30719-4 0	245
2	12520	70.3988		59.1956 0040657	189.0819	170.9454	15.59867277	1840
1	12520U	81 56	A	81181.26539055	.00004371	00000-0	53141-4 0	257
2	12520	70.3991		55.2350 0040476	187.0441	172.9898	15.59870937	2017
1	12520U	81 56	A	81182.16317858	.00025409	00000-0	30407-3 0	267
2	12520	70.4052		53.7958 0040181	184.5382	175.4803	15.59876877	2151
1	12520U	81 56	A	81183.25334822	.00169321	00000-0	19434-2 0	277
2	12520	70.3978		50.8318 0042532	178.2946	182.3033	15.50252360	2321

8157

1	12545U		81170.31181531	.00001101	00000-0	99999-4 0	24
2	12545	10.4940	256.1883 7325270	179.6742	181.5214	2.25074044	03
1	12545U		81171.19038202	.00000651	00000-0	99999-4 0	37
2	12545	10.5020	254.8662 7305388	181.2560	177.3618	2.25571009	29
1	12545U		81174.25279545	.00013790	00000-0	33315-2 0	47
2	12545	10.4473	254.5918 7301258	132.6939	164.6089	2.25595532	90

81-57

1	12546U		81170.31191531	.00001101	00000-0	99999-4 0	25
2	12546	10.4940	256.1883 7325270	179.6742	181.6214	2.25074044	04
1	12546U		81172.05962628	.00000619	00000-0	99999-4 0	37
2	12546	10.4482	255.4440 7302617	181.0381	175.5989	2.25813693	49
1	12546U		81174.26465382	.00000563	00000-0	99999-4 0	45
2	12546	10.4388	254.4899 7302390	182.3121	166.1705	2.23647950	93
1	12546U		81194.00713110	.00013969	00000-0	17790-2 0	93
2	12546	10.3526	245.2819 7301976	198.3044	104.7927	2.27375347	541

1	12552U		31194.00691196	.00014686	00000-0	23092-2 0	52	
2	12562	10.3663	246.3125	7297803	198.7979	104.5989	2.27382096	541

81-57A

Meteosat 2

1	12544U	21 057 A	91257.99999999	.00000010	00000-0	00000 0 0	213	
2	12544	0.9077	272.9461	0002569	311.4218	129.6914	1.00264185	975

1	12544U		91171.24099275	-.00000144	00000-0	99999-4 0	47	
2	12544	1.1949	275.2411	0050976	276.0769	84.5719	0.99923992	15

1	12544U		91170.31191531	.00001101	00000-0	99999-4 0	23	
?	12544	10.4940	256.1883	7325270	179.6742	181.6214	2.25074044	02

1	12544U		91170.75092918	.00000521	00000-0	99999-4 0	37	
?	12544	10.4786	255.8714	7298393	180.1965	179.0947	2.25935398	17

81-58A

Kosmos 1278

1	12547U		81171.87813801	-.00000113	00000-0	99999-4 0		12
2	12547	62.8398	151.8522	7389970	318.1321	4.4792	1.97964700	45

1	12548U		81170.93356819	-.00000513	00000-0	00000 0 0		14
2	12548	62.8387	151.7368	0273044	120.6444	242.1908	15.55815627	09

1	12549U		81170.86936875	-.00000525	00000-0	00000 0 0		15
2	12549	62.8117	152.0226	0295409	120.4306	242.6362	15.51493440	02

81-59A

NOAA7

1	12553U	81	59	A	81174.49904749	-.00000018	00000-0	00000 0 0	19
2	12553	98.9001	129.0551	0012452	299.2665	60.7261	14.12002327	00	
1	12553U	81	59	A	81174.85335164	.00000512	00000-0	29999-3 0	29
2	12553	98.8963	129.4200	0012496	295.2126	64.7749	14.11983339	63	

81-60

Molviyat-133

1	12556U		81175.79269352	.00000016	00000-0	99999-4 0	14	
2	12556	62.7748	129.4863	7404571	298.0195	9.2914	1.35608908	11
1	12563U		81176.30964496	.00000128	00000-0	00000 0 0	21	
2	12563	62.8046	129.3420	7400118	287.9038	9.4970	1.35660972	31
1	12566U		81176.81506270	.00000128	00000-0	00000 0 0	37	
2	12566	62.7924	129.3832	7410034	287.9516	9.2744	1.35613743	34
1	12557U		81176.24456870	.02063135	78378-5	51622-2 0	53	
	12557	62.8070	127.7984	0293685	118.6035	244.4972	15.50069999	72
1	12558U	81 60 C	81175.85744235	-.00005094	35329-4	00000 0 0	03	
2	12558	62.8365	129.0789	0319322	114.6249	248.8494	15.52683681	11

81-61A

Euran 7

1	12564U		81176.99118553	-.00000287	00000-0	99999-4 0	13
2	12564	0.0710	218.8611 0000011	27.9472	113.1936	1.00941820	18

1	12564U		81176.99118426	-.00000286	00000-0	00000 0 0	22
2	12564	0.4000	218.8611 0000011	27.9472	113.1931	1.00941825	14

1	12564U		81176.99118426	-.00000295	00000-0	00000 0 0	44
2	12564	0.4000	218.8611 0000011	27.9472	113.1931	1.00941825	14

1	12566U	81 61 B	81177.53942291	.44527326	60665-4	59258-3 0	43
2	12566	51.6112	279.3429 0020515	175.1976	185.1083	16.47353554 76982	

1	12566U		81177.56279419	.02844295	59389-4	45314-3 0	41
2	12566	51.6239	279.5923 0007448	215.0338	145.0325	16.32573534	156

1	12604U		81204.60543203	.00001233	00000-0	13240-2 0	27
2	12604	47.2641	274.4587 7243994	7.1414	359.3276	2.28651212	645

1 12564U 81 061 A 81250.35297251 -.00000010 00000-0 00000 0 0 132
2 12564 0.0750 106.5247 0001842 42.7745 210.1084 1.00273450 773

81-62A

Kosmos 1279

1	12571U	81 62	A*	81182.39074049	-.00000292	00000-0	00000 0 0	16
2	12571	70.4173		105.0726 0118326	60.8246	300.4742	15.95215611	04

1	12571U	81 62	A	81182.57934129	-.00000295	00000-0	00000 0 0	27
2	12571	70.3834		104.5389 0113937	60.8421	300.4134	15.95809993	38

1	12571U	81 62	A	81182.82957601	-.00000298	00000-0	00000 0 0	35
2	12571	70.3956		103.8159 0113713	60.5504	300.6799	15.95809549	73

1	12571U	81 62	A	81183.01762460	.00289932	52972-5	35838-3 0	49
2	12571	70.3886		103.2779 0113707	60.3148	300.9317	15.95919279	100

1	12571U	81 62	A	81184.23210788	.00022541	00000-0	27060-3 0	79
2	12571	70.3979		99.9666 0044354	207.7953	152.0879	15.59723301	290

1	12571U	81 62	A	81185.19414155	.00008320	00000-0	99999-4 0	89
2	12571	70.4001		97.3551 0043790	205.8009	154.1082	15.59706140	443

1	12571U	81 62	A	81186.28444203	.00000939	00000-0	12297-4 0	92
2	12571	70.3955		94.3925 0044394	204.3510	155.5685	15.59700943	611

1	12571U	81 62	A	81187.24646926	.00003225	00000-0	39476-4 0	106
2	12571	70.3928		91.7769 0044165	202.7183	157.2152	15.59707973	765

1	12571U	81 62	A	81188.20849026	.00002555	00000-0	32861-4 0	120
2	12571	70.3935		89.1555 0044009	201.0255	159.3763	15.59707007 \	911

1	12571U	81 62	A	81190.19669150	.00000018	00000-0	13608-5 0	149
2	12571	70.3932		83.7537 0043940	197.3181	162.6564	15.59702027	1229

1	12571U	81 62	A	81189.17051984	.00000148	00000-0	29134-5 0	139
2	12571	70.3950		86.5517 0043928	199.0798	160.9339	15.59701539	1065

1	12571U	81 62	A	81191.35112516	.00000017	00000-0	13603-5 0	157
2	12571	70.3936		80.6274 0043858	195.0109	164.9838	15.59703200	1401

1	12571U	81 62	A	81192.18488194	.00000347	00000-0	52916-5 0	169
2	12571	70.3936		78.3528 0043707	193.4959	166.5086	15.59704548	1530

1	12571U	81 62	A	81193.21104381	.00000349	00000-0	52916-5 0	170
2	12571	70.3942		75.5731 0043305	191.7475	168.2710	15.59703115	1593

1	12571U	81 62	A	81194.17307182	.00000348	00000-0	52916-5 0	180
2	12571	70.3979		72.9653 0043290	190.1884	169.3593	15.59707298	1846

1	12571U	81 62	A	81195.26336462	.00000349	00000-0	52916-5 0	196
2	12571	70.3992		70.0023 0042968	187.9905	172.0660	15.59709711	2013

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1	12577U	81 64	A	81183.47756261	.00000093	00000-0	00000 0 0	15
2	12577	82.3087		53.9461 0055354	97.4879	263.2597	16.10052396	25
1	12577U	81 64	A	81183.47756261	.79568469	-72900-6	10000 1 0	25
2	12577	82.3087		53.9461 0055354	97.4879	263.2597	16.10052386	25
1	12577U	81 64	A	81183.78932466	.00000092	00000-0	00000 0 0	32
2	12577	82.3141		53.5888 0056240	96.4993	264.2579	16.10047354	70
1	12577U	81 64	A	81183.97476939	.00000099	00000-0	00000 0 0	47
2	12577	82.3013		53.3676 0054987	96.2844	264.4706	16.10168758	112
1	12577U	81 64	A	81184.29551150	.00062457	00000-0	52290-4 0	54
2	12577	82.3072		53.0051 0055349	94.1387	266.6512	16.10204945	165
1	12577U	81 64	A	81184.29551314	.00025225	00000-0	52290-4 0	60
2	12577	82.2816		52.9576 0008590	56.9700	303.2401	15.98927503	164

1	12577U	81 64	A	81184.28551314	.00025225	00000-0	52290-4 0	71
2	12577	82.2816		52.9576 0008590	56.9700	303.2401	15.98927603	164

1	12577U	81 64	A	81184.53535434	.00032598	00000-0	52290-4 0	84
2	12577	82.3070		52.7156 0011666	303.8985	56.1183	16.03290416	204

1	12577U	81 64	A	81185.22190090	.00014791	00000-0	23723-4 0	91
2	12577	82.3075		51.9200 0010438	305.2281	54.7925	16.03336793	319

1	12577U	81 64	A	81185.59637562	.00037042	00000-0	59183-4 0	107
2	12577	82.3101		51.4981 0010450	301.5397	58.5270	16.03378586	379

1	12577U	81 64	A	81186.22046730	.00051724	00000-0	32095-4 0	111
2	12577	82.3084		50.7677 0010373	297.3695	62.7015	16.03452165	470

1	12577U	81 64	A	81187.03172941	.00002646	00000-0	41144-5 0	126
2	12577	82.3112		49.8257 0011667	288.7472	71.2540	16.03553741	505

1	12577U	81 64	A	81187.21894129	.00062123	00000-0	97508-4 0	136
2	12577	82.3049		49.6160 0011050	289.6465	70.3514	16.03575610	636

1	12577U	81 64	A	81188.27975242	.00061314	00000-0	95653-4 0	151
2	12577	82.3032		48.3398 0010980	287.7501	72.2247	16.03700375	804

1	12577U	81 64	A	81190.21397296	.00059748	00000-0	91985-4 0	179
2	12577	82.3044		46.1547 0011189	280.5855	79.4056	16.03922603	1111

1	12577U	81 64	A	81190.96269969	.00054184	00000-0	39102-4 0	189
2	12577	82.3061		45.2892 0012433	250.5319	109.4617	16.02796241	1234

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parts. 1

1	12577U	81 64	A	81189.21569907	.00059344	00000-0	92016-4 0	154
2	12577	82.3013		47.3072 0011085	294.1226	75.9587	16.03806550	952

1	12577U	81 64	A	81191.39972781	.00054377	00000-0	39108-4 0	196
2	12577	82.3057		44.7342 0012539	250.5649	109.4446	16.02953649	1305

1	12577U	81 64	A	81192.21130924	.00054700	00000-0	39108-4 0	205
2	12577	82.3002		43.9477 0012860	247.5496	112.4595	16.02945229	1431

1	12577U	81 64	A	81192.21130624	.00062771	93044-6	10293-3 0	214
2	12577	82.3000		43.2473 0012919	247.3011	112.6965	16.02953659	1434

1	12577U	81 64	A	81193.21010421	.00063206	92947-6	10293-3 0	223
2	12577	82.3029		42.6964 0013143	242.5631	117.3718	16.03064797	1590

1	12577U	81 64	A	81194.14642599	.00063599	97553-6	10293-3 0	233
2	12577	82.3043		41.6169 0012875	237.9310	122.0451	16.03178758	1742

1	12577U	81 64	A	81195.20750294	.00064092	10579-5	10293-3 0	249
2	12577	82.3046		40.3922 0012894	233.0152	126.9904	16.03313331	1913

1	12577U	81 64	A	81196.20607852	.00064598	10074-5	10293-3 0	252
2	12577	82.3076		39.2387 0012943	229.8433	130.1582	16.03437213	2071

1	12577U	81	64	A	31197.01736837	.00111791	45772-5	17724-3	0	255
2	12577	82.3101	39.2970	0013439	226.4389	133.5775	16.03541775			2206

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1	12583U		81188.57537163	-.00001650	11465-4	00000 0 0	19
2	12583	72.8440	117.4727 0146951	84.7500	277.0475	15.92856566	12
1	12583U		81188.57537163	-.00001650	11465-4	00000 0 0	20
2	12583	72.8440	117.4727 0146951	84.7500	277.0475	15.92856566	12
1	12583U		81189.07793530	.19333196	00000-0	35280 0 0	39
2	12583	72.8402	116.2196 0034106	153.7865	176.3093	15.53293460	98
1	12583U		81189.20642562	.51809740	00000-0	35280 0 0	41
2	12583	72.8480	115.9131 0018769	186.3664	173.4481	15.51171710	116

1	12583U	81 64A	81189.91146033	.00017318	00000-0	19999-3 0	72
2	12583	72.8418	114.2323 0042985	210.9004	148.9584	15.50709344	223
1	12583U	81 64A	81190.23195895	.0887733	00000-0	19999-3 0	39
2	12583	72.8413	113.4679 0043315	210.6046	149.2998	15.60737277	277

1	12593U	81 64A	81191.38573723	.00026094	00000-0	29999-3 0	90
2	12593	72.9428	110.7069	0042234	208.2562	151.6568 15.60774295	451

1	12593U	81 64A	81192.21898475	-.00002816	00000-0	-31654-4 0	110
2	12593	72.9405	109.7156	0043080	205.4785	154.0914 15.60708102	593

1	12593U	81 64A	81192.73184267	.00000814	00000-0	10068-4 0	136
2	12593	72.8410	107.4872	0042532	204.3139	155.1025 15.60709399	664

1	12593U	81 64A	81193.13054124	.00012593	00000-0	14567-3 0	149
2	12593	72.9378	106.4120	0043169	203.2505	156.6714 15.60714460	733

1	12593U	81 64A	81194.20612706	.00012592	00000-0	14567-3 0	159
2	12593	72.8407	103.9634	0043344	201.1950	159.6860 15.60728308	892

1	12593U	81 64A	81192.21898475	-.00002816	00000-0	-31654-4 0	109
2	12593	72.8405	108.7156	0043080	205.4785	154.0914 15.60708102	593

1	12593U	81 64A	81195.29581196	.00012581	00000-0	14567-3 0	165
2	12593	72.8436	101.3560	0042925	199.0651	160.7441 15.60721962	1060

1	12593U	81 64A	81196.19322257	.00012569	00000-0	14567-3 0	174
2	12593	72.8438	99.2103	0042598	196.4297	163.4395 15.60715119	1203

1	12593U	81 64A	81197.21892786	.00016419	00000-0	13979-3 0	186
2	12593	72.8437	96.7563	0042563	194.6190	165.2866 15.60714210	1369

1	12593U	81 64A	81197.21892786	.00016419	00000-0	13979-3 0	197
2	12593	72.8437	96.7563	0042553	194.6190	165.2866 15.60714210	1369

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forts. 1

1	12583U	81 64A	81198.13032908	.00009153	00000-0	10666-3 0	201
2	12583	72.8430	94.4591 0041984	192.0598	167.3461	15.60709964	1513
1	12583U	81 64A	81199.20594029	.00000788	00000-0	97924-5 0	212
2	12583	72.8434	92.0060 0041892	189.7465	170.2346	15.60704408	1672
1	12583U	81 64A	81199.20594029	.00000788	00000-0	97924-5 0	223
2	12583	72.8434	92.0060 0041892	189.7465	170.2346	15.60704408	1672
1	12583U	81 64A	81200.29555079	.00005331	00000-0	51960-4 0	238
2	12583	72.8427	89.4010 0042095	187.1756	172.9101	15.60717585	1846
1	12583U	81 64A	81201.19303661	.00005332	00000-0	51960-4 0	247
2	12583	72.8409	87.2534 0042165	185.1690	174.8939	15.60721603	1989
1	12583U	81 64A	81202.28272545	.00003952	00000-0	45117-4 0	253
2	12583	72.8411	84.5475 0042064	182.8779	172.1704	15.60722190	2154
1	12583U	81 64A	81202.41093280	.00003955	00000-0	45117-4 0	264
2	12583	72.8457	84.3425 0042320	183.8462	176.2782	15.60728639	2173
1	12583U	81 64A	81203.37240992	.00003976	00000-0	45117-4 0	278
2	12583	72.8420	82.0493 0042884	180.2227	180.2329	15.60937252	2329

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1	12595U	81 65	A	81191.33231105	-.00000027	00000-0	00000 0 0	12
2	12585	97.9525	243.1450	0044305	26.5933	333.7536	14.75833440	25
1	12585U	81 65	A	81191.40006426	-.00000025	00000-0	00000 0 0	25
2	12585	97.9376	243.2223	0044825	26.3468	334.0257	14.75900455	32
1	12595U	81 65	A	81191.87410316	-.00000027	00000-0	00000 0 0	47
2	12595	97.9369	243.6929	0043559	24.9116	334.2593	14.75867314	107
1	12585U	81 65	A	81192.21307775	.00023282	00000-0	32572-2 0	50
2	12585	97.9329	244.0210	0043789	23.5394	335.3383	14.75993044	155
1	12595U	81 65	A	81194.24559714	.00005492	00000-0	77513-3 0	99
2	12585	97.9318	246.0193	0043618	17.6532	342.5756	14.75888121	453
1	12586U	81 65	B	81192.21486073	.00113990	00000-0	17019-1 0	54
2	12585	97.9489	244.0261	0024352	277.4992	82.3504	14.73925000	155
1	12586U	81 65	B	81192.01124904	-.00000025	00000-0	00000 0 0	37
2	12586	97.9466	243.9232	0023565	276.6309	83.5099	14.73839327	125

1	12587U			81192.21485987	.00002916	00000-0	44999-3 0	52
2	12587	97.9554	244.0253	0026503	278.9490	00.8707	14.73880455	150

1	12585U	81 65	A	81195.26136749	.00003713	00000-0	52725-3 0	99
2	12585	97.9312		247.0179	0043518	14.2976	345.9432	14.75888833 606

1	12585U	81 065	A	81255.17434698	.00001886	00000-0	27583-3 0	592
2	12585	97.9205		305.8506	0039846	177.6194	182.5252	14.75325998 9443

1	12585U	81 065	A	81257.20764565	.00001917	00000-0	28033-3 0	627
2	12585	97.9148		307.8444	0038798	171.4301	188.7585	14.75340090 9749

1	12585U	81 065	A	81262.29080020	.00002653	00000-0	33474-3 0	672
2	12585	97.9236		312.8302	0038728	153.7990	206.5483	14.76380992 10491

1	12585U	81 065	A	81275.25178906	.00012484	00000-0	17716-2 0	513
2	12585	97.9194		323.5271	0041529	111.8905	248.5816	14.75503482 12553

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1	12588U		81196.72289066	-.00004963	34292-4	00000 0 0	29
2	12588	64.9047	163.5835 0121965	61.9593	299.3850	16.07732234	33

1	12588U		81196.84729895	-.00004961	34339-4	00000 0 0	33
2	12588	64.9167	163.0970 0123749	62.1051	298.3154	16.07332264	52

1	12588U		81196.84737645	-.00004986	34528-4	00000 0 0	43
2	12588	64.9167	163.0933 0125687	61.7843	299.5896	16.07357323	52

1	12588U		81197.03400706	.00524520	34147-4	21170-3 0	53
2	12588	64.9089	162.4066 0121771	61.5334	299.8039	16.07551155	84

1	12588U		81197.22060839	.00583663	34344-4	23245-3 0	61
2	12588	64.9025	161.7130 0121117	61.9666	299.3730	16.07915354	114

1	12588U		81198.46396378	.00599901	33921-4	22181-3 0	80
2	12588	64.9053	157.1226 0117129	61.4552	299.9350	16.09433986	315

1	12588U		81199.27150975	.00760163	34371-4	25846-3 0	94
2	12588	64.9013	154.1322 0113120	61.2432	300.3505	16.10659127	445
1	12588U		91200.14035019	.00727935	34704-4	24056-3 0	103
2	12588	64.9020	150.9133 0109862	60.9309	300.1535	16.11943236	588
1	12588U		81200.20254123	-.00379530	34509-4	-13675-3 0	119
2	12588	64.8964	150.6892 0133499	60.0076	301.4265	16.06216367	595
1	12588U		91200.20254123	-.00379530	34509-4	-13675-3 0	120
2	12588	64.8964	150.6892 0133499	60.0076	301.4265	16.06216367	595
1	12588U		81200.53841783	.00722776	34322-4	25788-3 0	134
2	12588	64.9001	149.0770 0132326	59.9735	301.4486	15.06743160	651
1	12588U		81200.94958352	.00732150	34352-4	25788-3 0	141
2	12588	64.9018	147.9349 0130735	59.0753	302.2913	16.07138949	716
1	12588U		81201.19845598	.00687895	34113-4	23373-3 0	159
2	12588	64.9022	147.0168 0129853	59.4130	301.9340	16.07513821	752
1	12588U		81202.31774089	.00872071	34498-4	29361-3 0	165
2	12588	64.9050	142.8803 0123879	58.9336	302.7291	16.09324250	937
1	12588U		81202.31774089	.00731099	34735-4	23474-3 0	175
2	12588	64.8988	142.8794 0124377	58.9758	302.6995	16.09356270	935
1	12588U		81204.30430019	.00888565	34730-4	24797-3 0	184
2	12588	64.8998	135.5178 0114862	58.4660	302.7500	16.12559499	1257

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parts 1

1	12583U		81205.23401173	.01150433	34749-4	29203-3 0	191
2	12588	64.8981	132.0614 0109057	58.2921	302.8934	16.14566455	1405
1	12583U		81205.97699946	.00831786	35097-4	93565-4 0	201
2	12588	64.8644	129.2907 0122361	46.9134	314.2201	16.16197271	1522
1	12583U		81206.16293139	.00343676	34552-4	93565-4 0	210
2	12588	64.8983	128.5989 0122031	56.8943	304.3872	16.11921661	1552
1	12588U		81206.16293146	.00343607	34726-4	93565-4 0	225
2	12588	64.8983	128.5989 0122031	56.8943	304.3872	16.11920506	1559
1	12589U		81206.47312204	.01004935	34622-4	25181-3 0	235
2	12588	64.8937	127.4483 0119471	56.7906	304.7760	16.12605905	1602
1	12583U		81206.84504141	.01065731	34300-4	25035-3 0	242
2	12588	64.8855	126.0632 0117295	55.5930	304.6397	16.13614564	1667
1	12583U		81207.27867069	.01562598	34314-4	34483-3 0	256
2	12588	64.8970	124.4490 0112775	56.6922	304.4995	16.15059426	1731
1	12583U		81208.08311408	.01413153	35254-4	27852-3 0	269
2	12588	64.8969	121.4469 0105872	56.5230	304.5892	16.17241942	1862
1	12588U		81209.19595316	.00885110	34291-4	27362-3 0	273
2	12588	64.8948	117.2754 0126499	74.8496	286.5526	16.09102935	2049

1	12588U		81210.25139372	.00813429	35006-4	23893-3 0	289
2	12588	64.8962	113.3732 0121259	73.8754	287.1812	16.10811177	2212

1	12589U		81211.18230258	.00808896	34765-4	22559-3 0	299
2	12588	64.8938	109.9229 0116136	73.5294	287.9740	16.12317290	2363

1	12589U		81211.18230258	.00808896	34765-4	22559-3 0	301
2	12588	64.8938	109.9229 0116136	73.5294	287.3740	16.12317290	2353

1	12588U		81212.17472944	.00875504	34388-4	22231-3 0	315
2	12588	64.8911	106.2333 0111479	73.5597	288.0947	16.14096040	2520

1	12588U		81212.17472944	.00875504	34388-4	22231-3 0	325
2	12588	64.8911	106.2333 0111479	73.5597	288.0947	16.14096040	2520

1	12588U		81212.35053113	.00952866	34386-4	23672-3 0	331
2	12588	64.8944	105.5424 0110304	73.2920	288.1276	16.14523276	2557

1	12588U		81212.35053113	.00952866	34386-4	23672-3 0	342
2	12588	64.8944	105.5424 0110304	73.2920	288.1276	16.14523276	2557

1	12588U	81066 A	81212.97998862	.00976622	00000-0	00000-0 0	00349
2	12588	064.8230	103.2933 0159075	071.9237	289.9196	16.11129485002656	

1	12588U		81213.29015611	.00882900	34595-4	23672-3 0	355
2	12588	64.9015	102.0831 0120972	77.8437	283.3257	16.11700964	2700

1	12588U		81214.15839698	.00988443	34563-4	23965-3 0	360
2	12588	64.9022	98.8582 0116800	76.3990	285.0160	16.13439627	2847

1	12588U		81214.22037801	.00990958	35007-4	23896-3 0	376
2	12588	64.8964	98.6274 0116412	76.5760	284.8395	16.13555781	2852

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Kosmos 1282 parts 2

1	12588U		81215.21142678	.01151328	34766-4	24878-3	0	389
2	12588	64.8949	94.9355 0110298	76.0398	285.3567	16.15750463		3015
1	12588U		81215.54451087	.01207215	34541-4	24010-3	0	390
2	12588	64.8908	93.3212 0107607	75.9215	285.4438	16.16821016		3083
1	12589U		81215.50988967	.01333245	35493-4	00000-0	0	00400
2	12589	64.8918	90.0769 0100767	75.1656	286.4321	16.19130966		3229
1	12589U	81 066 A	81216.50988967	.01333245	35493-4	21797-3	0	401
2	12589	64.8918	90.0770 0100768	75.1657	286.4323	16.19130966		3225
1	12589U	81 066 A	81217.12938226	.00752863	33317-4	21797-3	0	411
2	12589	64.8933	87.7562 0146435	91.8087	269.9930	16.05760502		3329
1	12589U		81217.12937862	.00779425	00000-0	00000-0	0	00414
2	12589	64.8923	87.7548 0146169	92.0413	269.7451	16.05759018		11
1	12589U	81 066 A	81217.12938226	.00752863	33317-4	21797-3	0	422
2	12589	64.8933	87.7562 0146435	91.8087	269.9930	16.05760502		3329
1	12589U	81 066 A	81217.12938226	.00752863	33317-4	21797-3	0	433
2	12589	64.8933	87.7662 0146435	91.8087	269.9930	16.05760502		3329
1	12589U		81217.68974353	-.00036983	-45039-1	00000-0	0	00453
2	12589	64.8974	85.7034 0143949	91.5785	270.1829	16.06708183		3412

1	12588U	81 066 A	81219.49283306	.00990676	34260-4	24356-3 0	441
2	12588	64.8913	79.0457 0131786	90.7521	270.8648	16.10248098	3703

1	12588U	81 066 A	81220.85793589	.01130613	34759-4	24006-3 0	467
2	12588	64.8899	73.9774 0122210	90.5321	271.1462	16.13271011	3925

1	12588U	81 066 A	81221.22974903	.01096002	34429-4	21093-3 0	471
2	12588	64.8896	72.5940 0120519	90.2421	271.1417	16.14043863	3989

1	12588U	81 066 A	81222.71518581	.01378279	35041-4	19106-3 0	495
2	12588	64.8861	67.0511 0110291	88.8397	272.6159	16.17701336	4220

1	12588U		81218.62288315	.00000008	-45038-1	00000-0 0 00495	
2	12588	64.8977	82.2636 0137779	90.7051	270.9856	16.08392991	3569

1	12588U	81 066 A	81222.83922864	.00657275	34216-4	19106-3 0	502
2	12588	64.8936	66.5898 0139827	74.1127	287.5402	16.07115821	4246

1	12588U	81 066 A	81223.27474262	.00697406	34150-4	19999-3 0	513
2	12588	64.8923	64.9811 0137339	74.1128	287.5901	16.07751347	4316

1	12588U	81 066 A	81223.27474262	.00697406	34150-4	19999-3 0	524
2	12588	64.8923	64.9811 0137339	74.1128	287.5901	16.07751347	4316

1	12588U	81 066 A	81223.64784931	.00743717	34216-4	20400-3 0	532
2	12588	64.8970	63.6144 0135881	72.9873	286.6135	16.08446439	4370

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Kosmos 1283

1	12598U	81 68	A	81198.44916748	.00000796	-53576-5	00000 0 0	14
2	12598	82.3072		81.4637 0050151	88.3776	271.4063	16.19752219	14

1	12598U	81 68	A	81198.59619853	.00000775	-52691-5	00000 0 0	35
2	12598	82.3321		81.1639 0053911	96.9587	263.7838	16.21527776	53

1	12598U	81 68	A	81199.18990240	.00351274	-53431-5	11836-3 0	47
2	12598	82.3382		80.5849 0051564	93.9366	267.2218	16.21945984	135

1	12598U	81 68	A	81199.50518369	.00017365	00000-0	11836-3 0	55
2	12598	82.3465		80.2433 0034121	247.6786	112.0859	15.73825375	187

1	12598U	81 68	A	81199.50518369	.00017365	00000-0	11836-3 0	66
2	12598	82.3465		80.2433 0034121	247.6786	112.0859	15.73825375	187

1	12598U	81 68	A	81200.01383572	.00102644	00000-0	69517-3 0	76
2	12598	82.3410		79.6814 0034940	247.9729	111.6515	15.73805492	253

1	12598U	81 68	A	81200.26918350	.00024473	00000-0	15590-3 0	99
2	12598	82.3419		79.4024 0034984	246.3919	113.3146	15.73782390	309

1	12598U	81 68	A	81200.26818350	.00024473	00000-0	15690-3 0	99
2	12598	82.3419		79.4024 0034984	246.3919	113.3146	15.73782390	309

1	12598U	81 68	A	81201.09475900	.00016189	00000-0	11024-3 0	105
2	12598	82.3414		78.4911 0035356	243.7440	115.9293	15.73786680	432

1	12598U	81 68	A	81201.22195170	.00006838	00000-0	45582-4 0	115
2	12598	82.3412		78.3515 0035116	243.0196	116.7369	15.73779921	459

1	12598U	81 68	A	81202.30287189	.00008028	00000-0	54684-4 0	124
2	12598	82.3418		77.1614 0035110	238.8195	120.9631	15.73796754	629

1	12598U	81 68	A	81202.30297189	.00008028	00000-0	54684-4 0	124
2	12598	82.3418		77.1614 0035110	238.8195	120.9631	15.73796754	629

1	12598U	81 68	A	81203.25661300	.00007077	00000-0	43123-4 0	135
2	12598	82.3429		76.1115 0035329	234.9958	124.7955	15.73809542	779

1	12598U	81 68	A	81203.44735109	.00002921	00000-0	19744-4 0	147
2	12598	82.3369		75.9038 0035326	234.1459	125.6485	15.73808780	903

1	12598U	81 68	A	81204.27393106	.00004402	00000-0	29843-4 0	153
2	12598	82.3389		74.9925 0035301	230.7078	129.1063	15.73819231	939

1	12598U	81 68	A	81205.16407921	.00009688	00000-3	65865-4 0	169
2	12598	82.3394		74.0142 0035118	227.5544	132.3204	15.73844685	1075

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Kosmos 1283 forts. 1

1	12598U	81 68	A	81206.24494383	.00009703	00000-0	65865-4 0	175
2	12598	82.3404		72.8248 0035392	223.3153	136.5407	15.73856440	1247
1	12598U	81 69	A	81207.26222096	.00012296	00000-0	93347-4 0	135
2	12598	82.3414		71.7033 0035317	219.1568	140.7111	15.73889942	1407
1	12598U	81 68	A	81208.15232650	.20017723	00000-0	11999-3 0	196
2	12598	82.3413		70.7238 0035313	216.0027	143.9293	15.73928249	1549
1	12598U	81 68	A	81209.29670518	.00009686	00000-0	55539-4 0	202
2	12598	82.3414		59.4648 0035352	211.1426	148.6937	15.73941535	1722
1	12598U	81 68	A	81210.25037351	.00008499	00000-0	57455-4 0	213
2	12598	82.3416		68.4141 0035416	207.5518	152.3688	15.73954804	1877
1	12598U	81 68	A	81211.14044729	.00008420	00000-0	55852-4 0	223
2	12598	82.3407		67.4348 0035631	204.1795	155.7792	15.73968914	2011
1	12598U	81 68	A	81211.14044729	.00008420	00000-0	55852-4 0	234
2	12598	82.3407		67.4348 0035631	204.1795	155.7792	15.73968914	2011

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Kosmos 1284

1	12614U	81 68	A	81210.73575482	.00000823	-57360-5	00000 0 0	13
2	12614	82.3249		152.0114 0044898		93.7294 268.9141	16.22942870	37
1	12614U	81 68	A	81211.29062534	.00271449	-55079-5	89320-4 0	20
2	12614	82.3268		151.3540 0044079		91.8013 268.9302	16.23272270	124
1	12614U	81 68	A	81211.29062534	.00271449	-55079-5	33320-4 0	31
2	12614	82.3268		151.3540 0044079		91.8013 268.9302	16.23272270	124
1	12614U	81 68	A	81211.29062534	.00271449	-55079-5	38320-4 0	31
2	12614	82.3268		151.3540 0044079		91.9013 268.8302	16.23272270	124
1	12614U	81 68	A	81211.29062534	.00271449	-55079-5	38320-4 0	42
2	12614	82.3268		151.3540 0044079		91.8013 268.9302	16.23272270	124
1	12614U	81 68	A	81212.15355362	.00298148	-56267-5	92456-4 0	53
2	12614	82.3284		150.3314 0044190		88.2896 272.4200	16.23793725	259
1	12614U	81 68	A	81212.90792451	.00041754	00000-0	92455-4 0	67
2	12614	82.3320		149.4982 0099098		246.9766 112.1031	15.39447028	384

1 12614U 81 58 A 81214.10460888 .00013622 00000-0 92456-4 0 72
2 12614 82.3348 148.1610 0033243 243.7598 116.0248 15.73982906 572

1 12614U 81 68 A 81214.23175974 .00011623 00000-0 73623-4 0 85
2 12614 82.3344 148.0090 0034243 242.2547 117.5469 15.74008915 591

1 12614U 81 68 A 81215.24893961 .00061889 00000-0 41714-3 0 90
2 12614 82.3343 145.9920 0034254 237.6809 122.0454 15.74039298 750

1 12614U 81068 A 81216.58392052 .00011734 00000-0 00000-0 0 00109
2 12614 82.3324 145.4189 0033893 232.9903 126.3508 15.74039932 967

1 12614U 81 068 A 81216.58392051 .00011734 00000-0 79327-4 0 100
2 12614 82.3325 145.4190 0033895 232.9903 126.3510 15.74039932 965

1 12614U 91 068 A 81217.15616116 .00011737 00000-0 79327-4 0 119
2 12614 82.3323 144.7890 0033859 230.4239 129.3903 15.74050788 1059

1 12614U 81 068 A 81217.15616116 .00011737 00000-0 79327-4 0 120
2 12614 82.3323 144.7890 0033859 230.4239 129.3903 15.74050788 1059

1 12614U 81068 A 81217.72832034 .00008918 00000-0 00000-0 0 00149
2 12614 82.3308 144.1539 0033459 227.9568 131.3797 15.74054743 1142

1 12614U 81068 A 81217.72832034 .00008918 00000-0 00000-0 0 00149
2 12614 82.3308 144.1539 0033459 227.9568 131.3797 15.74054743 1142

1 12614U 91 068 A 81220.33477046 .00007704 00000-0 51850-4 0 132
2 12614 82.3305 141.2835 0034472 217.7555 142.1233 15.74092604 1569

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Kosmos 1284 forts. 1

1	12614U	91	068	A	81220.39834262	.00007704	00000-0	51850-4	0	145
2	12614	82.3297	141.2140	0034464	217.4290	142.4576	15.74093321	1572		
1	12614U	91	068	A	81221.22476436	.00007513	00000-0	50541-4	0	159
2	12614	82.3310	140.3029	0034485	214.3076	145.5926	15.74105043	1709		
1	12614U	81	068	A	81223.25900939	.00007381	00000-0	49592-4	0	193
2	12614	82.3308	138.0609	0034446	206.7048	153.2427	15.74134281	2029		

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Stasionar - Raduga 9

1	12619U	91 069 A	81237.97277913	.00000177	00000-0	00000 0 0	
2	12619	0.3993	274.2023	0017223	155.4512	290.4902	1.00292951 293
1	12619U		81211.88475176	-.00000027	.00000-0	00000 0 0	10
2	12618	0.3991	219.0157	0000011	27.9456	113.0147	0.97498790 24
1	12619U		81211.88475176	-.00000027	00000-0	00000 0 0	21
2	12618	0.3991	219.0157	0000011	27.9456	113.0147	0.97498790 24
1	12619U	81 069 A	81211.88475176	-.00000027	00000-0	00000 0 0	25
2	12618	0.3991	219.0157	0000011	27.9456	113.0147	0.97498790 24
1	12619U	81 69 B	81212.20009317	.01982638	58315-4	36327-3 0	26
2	12619	51.6177	280.7623	0007473	201.0001	159.1880	16.31505423 53
1	12620U	81 69 C	81212.13919252	.07186292	58706-4	14753-2 0	24
2	12620	51.6121	281.1224	0014321	123.5327	236.7066	16.30045072 45
1	12633U		81216.46090832	.00000037	00000-0	99999-4 0	30
2	12633	47.3374	290.9786	7287325	1.0043	0.1367	2.21910745 117

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Dynamic Explorer

1	12624U	81 070 A	81215.15227093	.00000070	00000-0	99999-4 0	17
2	12624	90.0061 160.7977	6309044	280.0783	19.5308	3.29850552	00

1	12625U	81070B	81216.61085390	.00115199	00000-0	00000-0 0 00033	
2	12625	89.9827 160.7978	0496530	202.2340	155.7144	14.72942239	177

1	12629U	81 071 A	81216.61136375	.00000021	00000-0	00000 0 0	23
2	12623	89.9863 160.7984	0501993	201.6870	156.3059	14.72214746	175

1	12624U	81 070 A	81215.17153291	.00000074	00000-0	99999-4 0	22
2	12624	89.9106 160.9457	6194766	282.3213	18.6256	3.51842669	04

1	12624U	81 070 A	81219.71945919	.00000075	00000-0	99999-4 0	45
2	12624	89.8793 160.9432	6209343	280.8489	358.0134	3.50456708	161

1	12624U	81 070 A	81219.73617663	.00000055	00000-0	00000 0 0	59
2	12624	89.8899 160.9359	6209800	280.8103	19.1003	3.50466415	163

1	12624U	81	070	A	81223.16051366	.00000056	00000-0	00000 0 0	75
2	12624	89.9204	160.9381	6203264	279.7137	19.5433	3.50466543		262

1	12624U	81	070	A	81236.00191723	.00000056	00000-0	00000 0 0	119
2	12624	89.9018	160.9405	6209311	275.4345	21.3164	3.50467926		739

1	12624U	81	070	A	81237.71399363	.00000056	00000-0	00000 0 0	128
2	12624	89.9035	160.9459	6209403	274.8589	21.5495	3.50467923		793

1	12624U	81	070	A	81250.55535321	.00000055	00000-0	00000 0 0	154
2	12624	89.9173	160.9674	6210867	270.5786	23.4917	3.50469626		1241

1	12624U	81	070	A	81253.40901682	.00000055	00000-0	00000 0 0	191
2	12624	89.9750	160.9669	6210389	269.6353	23.9570	3.50469960		1340

1	12624U	81	070	A	81257.97495970	.00000054	00000-0	00000 0 0	205
2	12624	89.9018	160.9654	6211161	268.1177	24.6934	3.50470581		1500

1	12624U	81	070	A	81260.25779404	.00000054	00000-0	00000 0 0	210
2	12624	89.9013	160.9660	6211563	267.3591	25.0776	3.50470577		1581

1	12624U	81	070	A	81267.10662421	.00000053	00000-0	00000 0 0	221
2	12624	89.8885	160.9624	6213249	265.0882	26.2830	3.50471429		1826

1	12624U	81	070	A	81269.38953463	.00000053	00000-0	00000 0 0	255
2	12624	89.9730	160.9672	6213585	264.3229	26.6723	3.50472170		1905

1	12624U	81	070	A	81271.95795606	.00000072	00000-0	99999-4 0	287
2	12624	89.8696	160.9843	6212889	263.4573	27.1476	3.50472954		1994

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Dynamiz Explorer Forts. 1

1	12624U	81	070	A	81275.66765805	.00000072	00000-0	99999-4 0	301
2	12624	89.8621	160.9733	6213452	262.2091	27.8820	3.50475449	2123	
1	12524U	81	070	A	81275.66765905	.00000072	00000-0	99999-4 0	312
2	12624	89.8621	160.9733	6213452	262.2091	27.3820	3.50475449	2129	
1	12624U	81	070	A	81279.66278565	.00000071	00000-0	99999-4 0	340
2	12624	89.8718	160.9351	6213953	260.8769	28.6237	3.50476371	2269	
1	12624U	81	070	A	81287.93851495	.00000069	00000-0	99999-4 0	367
2	12624	89.9275	161.0150	6214727	258.1159	30.3233	3.50477277	2520	
1	12624U	81	070	A	81287.93851495	.00000069	00000-0	99999-4 0	373
2	12624	89.9275	161.0150	6214727	258.1159	30.3233	3.50477277	2550	
1	12624U	81	070	A	81295.35900126	.00000069	00000-0	99999-4 0	383
2	12624	89.8990	160.9320	6217355	255.6504	31.9808	3.50484205	2812	
1	12624U	81	070	A	81301.92150359	.00000067	00000-0	99999-4 0	395
2	12624	89.9087	160.9898	6219326	253.4716	33.4421	3.50486182	3047	
1	12624U	81	070	A	81305.34584675	.00000066	00000-0	99999-4 0	431
2	12624	89.9136	160.9699	6220283	252.3266	34.1857	3.50488028	3163	

1	12624U	81	070	A	81307.05826589	.00000066	00000-0	99999-4	0	454
2	12624	89.8906	160.9946	6220150	251.7609	34.6069	3.50488951			3225

1	12624U	81	070	A	81310.76787794	.00000065	00000-0	99999-4	0	462
2	12624	89.9029	160.9998	6221131	250.5221	35.5797	3.50491782			3350

1	12624U	81	070	A	81311.05319934	.00000065	00000-0	99999-4	0	484
2	12624	89.9030	160.9899	6221216	250.4332	35.5910	3.50491793			3362

1	12624U	81	070	A	81316.99999999	.00000061	00000-0	99999-4	0	523
2	12624	89.8892	160.9581	6219345	249.3989	339.2196	3.50136179			3577

1	12624U	81	070	A	81327.89193919	.00000060	00000-0	99999-4	0	537
2	12624	89.9145	160.9924	6225527	244.3049	42.6056	3.50498033			3959

1	12624U	81	070	A	81333.88287853	.00000059	00000-0	99999-4	0	565
2	12624	89.8980	160.9904	6227519	242.8049	41.9907	3.50499574			4166

1	12624U	81	070	A	81333.73428474	.00000058	00000-0	99999-4	0	581
2	12624	89.8799	161.0054	6228807	241.1990	43.5102	3.50499985			4331

1	12624U	81	070	A	81346.15418137	.00000056	00000-0	99999-4	0	613
2	12624	89.8918	160.9693	6231275	238.7350	46.0401	3.50502732			4593

1	12624U	81	070	A	81346.15418137	.00000056	00000-0	99999-4	0	624
2	12624	89.8918	160.9693	6231275	238.7350	46.0401	3.50502732			4598

1	12624U	81	070	A	81350.43487562	.00000055	00000-0	99999-4	0	650
2	12624	89.9270	161.0021	6232053	237.3076	47.5059	3.50504358			4740

1	12624U	81	070	A	81355.28637520	.00000054	00000-0	99999-4	0	691
2	12624	89.9337	161.0100	6234292	235.6808	49.2698	3.50506760			4919

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Dynamics Explorer parts.2

1	12624U	81 070 A	81358.14023769	.00000053	00000-0	99999-4 0	693
2	12624	89.9302	161.0107 6235638	234.7200	50.3912	3.50508155	5013
1	12624U	81 070 A	81363.27722185	.00000052	00000-0	99999-4 0	724
2	12624	89.9386	161.0151 6235348	233.0366	52.3859	3.50509529	5195
1	12624U	81 070 A	82 2.27269008	.00000050	00000-0	99999-4 0	734
2	12624	89.9629	161.0446 6237031	231.7125	54.0373	3.50511025	5330
1	12624U	81 070 A	82 6.26818102	.00000049	00000-0	99999-4 0	752
2	12624	89.9629	161.0519 6237920	230.3786	55.7305	3.50511841	5479
1	12624U	81 070 A	82 9.55134538	.00000048	00000-0	99999-4 0	760
2	12624	89.9517	161.0516 6237305	229.5910	56.3607	3.50514615	5557
1	12624U	81 070 A	82 9.55134538	.00000048	00000-0	99999-4 0	771
2	12624	89.9517	161.0516 6237305	229.5910	56.3607	3.50514615	5557
1	12624U	81 070 A	82 19.39646626	.00000047	00000-0	99999-4 0	804
2	12624	89.9611	161.0162 6243040	226.0276	52.1886	3.50525262	5930
1	12624U	81 070 A	82 24.24796835	.00000046	00000-0	99999-4 0	822
2	12624	89.9622	161.0221 6244753	224.4179	64.1890	3.50529369	6103

1	12624U	81	070	A	82	24.24785931	.00000046	00000-0	99999-4	0	839
2	12624	89.9632	161.0216	6244621	224.4146	64.1918	3.50530232				6108

1	12624U	81	070	A	82	24.24785931	.00000046	00000-0	99999-4	0	840
2	12624	89.9632	161.0216	6244621	224.4146	64.1918	3.50530232				6109

1	12624U	81	070	A	82	31.38290035	.00000044	00000-0	99999-4	0	859
2	12624	89.9665	161.0316	6246106	222.0218	69.1443	3.50535235				6354

1	12624U	81	070	A	82	35.80549437	.00000043	00000-0	99999-4	0	863
2	12624	89.9575	161.0475	6247754	220.2189	71.2450	3.50540912				6546

1	12624U	81	070	A	82	35.80549437	.00000043	00000-0	99999-4	0	874
2	12624	89.9575	161.0475	6247754	220.2189	71.2450	3.50540912				6546

1	12624U	81	070	A	82	39.37393615	.00000044	00000-0	99999-4	0	892
2	12624	89.9615	161.0453	6250296	219.4098	72.6193	3.50549484				6633

1	12624U	81	070	A	82	45.36730221	.00000043	00000-0	99999-4	0	902
2	12624	89.9635	161.0529	6251515	217.4118	76.1786	3.50554593				6842

1	12624U	81	070	A	82	45.36730221	.00000043	00000-0	99999-4	0	913
2	12624	89.9635	161.0529	6251515	217.4118	76.1786	3.50554593				6842

1	12624U	81	070	A	82	47.36503564	.00000042	00000-0	99999-4	0	924
2	12624	89.9649	161.0497	6250953	215.7143	77.3084	3.50554875				6911

1	12624U	81	070	A	82	51.99999999	.00000038	00000-0	99999-4	0	945
2	12624	90.0082	161.0820	6247653	215.1278	166.3059	3.50484008				7073

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Dynamics Explorer A Forts. 3

1	12624U	81 070 A	82 65.99999999	.00000037	00000-0	99999-4 0	061
2	12624	90.0147 161.0907	6252927	210.4889	195.3555	3.50498339	7563
1	12624U	81 070 A	82 69.99999999	.00000038	00000-0	99999-4 0	098
2	12624	90.2128 161.0914	6255103	209.1756	203.5887	3.50504528	7700
1	12624U	81 070 A	82 87.32330480	.00000035	00000-0	99999-4 0	1022
2	12624	89.9662 161.0845	6257010	203.3688	107.4541	3.50586613	8315
1	12624U	81 070 A	82 87.32328648	.00000035	00000-0	99999-4 0	1035
2	12624	89.9662 161.0845	6257010	203.3688	107.4409	3.50526613	8317
1	12624U	81 070 A	82 90.17754757	.00000036	00000-0	99999-4 0	1040
2	12624	89.9678 161.0861	6259159	202.4367	109.9589	3.50592146	8417
1	12624U	81 070 A	82 90.17754757	.00000036	00000-0	99999-4 0	1051
2	12624	89.9678 161.0861	6259159	202.4367	109.9589	3.50592146	8417
1	12624U	81 070 A	82 93.03193940	.00000036	00000-0	99999-4 0	1060
2	12624	89.9678 161.0867	6259735	201.4883	112.4313	3.50592431	8517
1	12624U	81 070 A	82 105.30574122	.00000037	00000-0	99999-4 0	1116
2	12624	89.9667 161.0890	6262868	197.3932	123.2707	3.50602480	8947

1	12624U	81	070	A	82105.30574122	.00000037	00000-0	99999-4	0	1127	
2	12624	89.9667	151.0890		6262868	197.3932	123.9707	3.50602480		8947	
1	12624U	81	070	A	82108.44563236	.00000038	00000-0	99999-4	0	1142	
2	12624	89.9705	161.0916		6265072	196.3822	127.0608	3.50605333		9054	
1	12624U	81	070	A	82106.44553236	.00000038	00000-0	99999-4	0	1153	
2	12624	89.9705	161.0916		6265072	196.3822	127.0608	3.50605333		9054	
1	12624U	81	070	A	82112.44165662	.00000038	00000-0	99999-4	0	1173	
2	12624	89.9651	161.0944		6264741	195.0126	131.0170	3.50606352		9196	
1	12624U	81	070	A	82121.29099747	.00000038	00000-0	99999-4	0	1219	
2	12624	89.9621	161.0950		6265199	192.0495	140.2474	3.50607559		9508	
1	12624U	81	070	A	82125.57297432	.00000037	00000-0	99999-4	0	1243	
2	12624	89.9909	161.0820		6265062	190.5828	144.7948	3.50608714		9650	
1	12624U	81	070	A	82137.27679942	-.00000007	00000-0	00000	0	0	1380
2	12624	89.9314	161.1046		6265767	186.7140	157.5330	3.50612834		10227	
1	12624U	81	070	A	82142.41525656	-.00000007	00000-0	00000	0	0	1463
2	12624	89.9700	161.0784		6265479	184.9793	163.3716	3.50614712		10403	
1	12624U	81	070	A	82148.41006164	-.00000007	00000-0	00000	0	0	1513
2	12624	89.9753	161.0762		6264860	182.9496	170.1426	3.50616506		10613	
1	12624U	81	070	A	82151.26484264	-.00000006	00000-0	00000	0	0	1565
2	12624	89.9111	161.1025		6263250	181.9794	173.5624	3.50618336		10717	
1	12624U	81	070	A	82153.26302172	-.00000006	00000-0	00000	0	0	1586
2	12624	89.9030	161.1077		6260836	181.1745	175.7667	3.50619688		10788	

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Kosmos 1285

1	12627U		81216.56506413	-.00000286	00000-0	00000 0 0	16
2	12627	62.9246	265.3429 7401346	316.0070	4.9857	1.98023357	14
1	12629U	91 071 B	81216.51148409	-.00005084	35005-4	00000 0 0	37
2	12629	62.9057	263.7279 0310560	118.2853	244.9974	15.55823483	72
1	12630U	81 71 C	81216.06129826	-.00000500	00000-0	00000 0 0	10
2	12630	62.8301	265.5462 0252755	118.0698	244.6236	15.59485977	00
1	12627U	91 071 A	81216.58605594	.00000009	00000-0	00000 0 0	20
2	12627	62.9546	265.0047 7400595	316.0459	4.9753	1.97919859	65

81-72A

Kosmos 1286

1	12631U	81 72	A	81216.60341434	-.00000130	00000-0	00000 0 0	12
2	12631	65.0333		113.9600 0007952	241.6190	118.4196	15.43211692	33
1	12631U	81 72	A	81216.73303357	-.00000130	00000-0	00000 0 0	29
2	12631	65.0437		113.5366 0009733	268.4916	91.5012	15.43007768	57
1	12631U	81 72	A	81216.79784895	-.00000130	00000-0	00000 0 0	36
2	12631	65.0437		113.3208 0009733	268.4630	91.5195	15.42961473	57
1	12631U			81216.99229572	-.00000130	00000-0	00000-0 0 00037	
2	12631	65.0424		112.6698 0009942	266.5095	93.4984	15.42985356	93
1	12631U	81 72	A	81217.18673796	-.00000131	00000-0	00000 0 0	49
2	12631	65.0419		112.0207 0010275	266.6327	93.3831	15.42997555	123
1	12631U	81 72	A	81217.18673796	-.00000131	00000-0	00000 0 0	50
2	12631	65.0419		112.0207 0010275	266.6327	93.3831	15.42997555	123
1	12631U	81 72	A	81217.18673449	-.00000130	00000-0	00000 0 0	65
2	12631	65.0418		112.0219 0010138	267.4930	92.5016	15.42997408	124

1	12631U	81 72	A	81217.44599135	-.00000129	00000-0	00000 0 0	72
2	12631	65.0420		111.1581	0010063	267.1581	92.9389 15.42996922	164

1	12631U			81217.70522305	.00180822	00000-0	00000-0 0 00099	
2	12631	65.0335		110.2877	0005879	247.4965	112.5505 15.43207084	205

1	12631U	81072	A	81217.96441157	.00000000	00000-0	00000-0 0 00101	
2	12631	65.0430		109.4295	0003843	250.5087	099.5631 15.43391619000251	

1	12631U	81 072	A	81240.25437590	.00056237	00000-0	12392-2 0	376
2	12631	65.0395		35.0983	0009417	276.4068	83.9027 15.43557669	3693

1	12631U	81 072	A	81247.31710278	.00004381	00000-0	99999-4 0	459
2	12631	65.0466		11.5503	0011377	283.3479	76.7259 15.43394639	4784

1	12631U	81 072	A	81276.02178081	.00049102	00000-0	10834-2 0	952
2	12631	65.0372		275.8206	0009547	274.3972	95.6256 15.43564169	9215

1	12631U	81 072	A	81292.54483793	.00005604	00000-0	12999-3 0	1053
2	12631	65.0394		220.7180	0010027	275.9210	84.1040 15.43430726	11765

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Fleetsatcom 5

1	12635U		81218.57432052	.00000054	13978-4	99999-4	0	15
2	12635	26.6113	262.5080	7309645	181.5803	174.3741	-2.28405493	15
1	12635U	81 073 A	81232.95531681	-.00000081	00000-0	00000	0 0	79
2	12635	6.3590	253.2401	0705809	330.3211	25.8267	0.92537051	187

81-74

Kosmos 1287-1294

1	12535U	81074	81218.47319450	-.00000007	00000-0	00000-0	0 00012
2	12536	074.0146	140.4874	0133433	275.0969	083.5291	12.25877029000005

81-75A

Interkosmos 22
Interkosmos - Bulgaria 1300

1	12645U	81 75	A	81219.55692488	.00000005	00000-0	00000 0 0	15
2	12645	81.2045		183.7650 0073964	286.6860	72.5655	14.14195681	00
1	12645U			81219.59846872	.26316714	00000-0	00000-0 0 00024	
2	12645	81.2318		183.6355 0037229	264.2031	95.4845	14.15897790	24
1	12645U	81 75	A	81219.98150475	.00000005	00000-0	00000 0 0	29
2	12645	81.2203		183.3636 0065032	279.1206	80.2612	14.13934614	69
1	12645U	81 75	A	81220.40611947	.20012142	00000-0	52659-2 0	40
2	12645	81.2211		182.9467 0065473	277.7587	81.6601	14.13863782	129
1	12645U	81 75	A	81220.75995272	.00002360	00000-0	12154-2 0	52
2	12645	81.2223		182.5994 0065333	276.8067	82.5698	14.13856442	175
1	12645U	81 75	A	81224.01529945	-.00001248	00000-0	-64952-7 0	63
2	12645	81.2217		179.4041 0065455	267.4145	91.9533	14.13845982	634

1	12645U	81 75	A	81222.52916157	-.00001308	00000-0	-69040-3 0	75
2	12645	81.2215		180.9624	0065344	271.6507	97.7201 14.13849639	426
1	12645U	81 75	A	81225.57220952	-.00000892	00000-0	-45452-3 0	96
2	12645	81.2218		177.9759	0065449	262.9796	96.3930 14.13844458	859
1	12645U	81 75	A	81232.86142557	-.00000006	00000-0	-61320-5 0	113
2	12645	81.2231		170.7211	0065413	242.0935	117.3630 14.13838745	1892
1	12645U	81 75	A	81236.25933805	.00000370	00000-0	13598-3 0	123
2	12645	81.2229		167.3860	0065154	231.7913	127.7433 14.13845006	2366
1	12645U	81 75	A	81237.39063883	.00000779	00000-0	39778-3 0	137
2	12645	81.2235		166.2759	0064996	228.6248	130.9331 14.13848570	2521

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GMS-1

1	12677U			81223.59021653	-.00000854	19219-4	99999-4	0	13
2	12677	23.9804	296.1450	7377532	179.9139	187.4895	2.19438213		15
1	12679U	81 76	B	81223.32988440	.01623160	-20591-4	92598-3	0	44
2	12679	30.3306	292.8286	0259740	190.9245	169.5447	15.71857093		35
1	12679U	81 76	B	81223.01236460	.00003050	-21235-4	00000 0 0		24
2	12679	30.3070	295.1072	0270948	185.9777	173.7596	15.70454425		37

81-77A

Kosmos 1295

1	12681U	81 77	A	81224.29946011	.00000006	00000-0	00000 0 0	20
2	12681	83.0617		75.3095 0039163	290.5751	59.1652	13.73299878	17

1	12681U	81 77	A	81224.37222623	.00000006	00000-0	00000 0 0	32
2	12681	82.9285		75.0919 0047408	299.9635	59.9011	13.75215227	23

1	12681U	81 77	A	81224.44493923	.00000006	00000-0	00000 0 0	43
2	12681	82.9156		75.0620 0041842	297.8277	61.7215	13.74501054	37

1	12681U	81 77	A	81225.24541737	.00000006	00000-0	00000 0 0	83
2	12681	82.9174		74.4619 0043291	293.2502	66.4101	13.74995210	143

1	12681U	81 77	A	81228.66553232	.00000318	00000-0	31999-3 0	126
2	12681	82.9158		71.9170 0043279	283.7021	75.9311	13.74995921	619

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Kosmos 1296

1	12687U		81225.73344187	-.00003724	25796-4	00000 0 0	12
2	12687	67.4162	194.5508	0316664	116.8329	246.5607 15.32977798	02
1	12687U		81225.92071888	-.00004022	27957-4	00000 0 0	21
2	12687	67.1351	192.8188	0141111	74.0975	297.5713 16.04005079	34
1	12687U		81225.99304316	-.00003977	27407-4	00000 0 0	32
2	12687	67.1427	192.6130	0136741	73.2638	289.3456 16.04459761	44
1	12687U		81226.23235594	.00085609	28009-4	27951-3 0	53
2	12687	67.1420	191.7608	0135619	72.9384	288.6604 16.04862650	86
1	12687U		81226.85543043	.00603243	27916-4	23412-3 0	61
2	12687	67.1425	189.6651	0134295	72.1262	289.4337 16.05593158	109
1	12687U		81227.22914637	.00620815	27279-4	23980-3 0	75
2	12687	67.1415	188.4068	0132370	71.6820	289.8904 16.05067271	247
1	12687U		81227.22914637	.00620815	27279-4	23980-3 0	92
2	12687	67.1415	188.4068	0132370	71.6820	289.8904 16.05067271	247

1 12687U 81229.22515470 .00672572 27558-4 24443-3 0 99
2 12687 67.1428 185.0481 0128525 70.5154 291.1129 16.07392018 402

1 12687U 81229.96609250 .00765084 28045-4 24545-3 0 115
2 12687 67.1426 179.1608 0121642 59.1601 292.6198 16.09969549 682

1 12687U 81230.15238513 .00612390 28189-4 26034-3 0 125
2 12687 67.1419 178.5300 0119989 59.1034 292.3389 16.10306729 717

1 12687U 81230.21448252 .00898476 28239-4 23447-3 0 131
2 12687 67.1417 178.3175 0119777 59.0187 292.3778 16.10459984 720

1 12687U 81231.20760698 -.20965215 26914-4 -99865-2 0 142
2 12687 67.1336 174.9424 0152754 80.8176 274.2429 15.99700943 880

1 12687U 81231.52098669 .00560428 27255-4 25834-3 0 159
2 12687 67.1406 173.9058 0143599 81.7955 279.9492 16.01985297 931

1 12687U 81232.20758973 .00591530 27559-4 25572-3 0 161
2 12687 67.1372 171.6035 0140819 81.2492 280.5298 16.02909620 1047

1 12687U 81233.20561418 .00605126 27437-4 25635-3 0 170
2 12687 67.1390 168.2561 0137666 80.1183 281.5401 16.04038882 1205

1 12687U 81234.20290245 .00661886 27640-4 25535-3 0 189
2 12687 67.1386 164.9016 0135140 79.2444 282.3394 16.05435996 1367

1 12687U 81234.45194709 .00763545 28162-4 29864-3 0 194
2 12687 67.1387 164.0606 0132413 79.1368 282.5064 16.05947971 1400

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Kosmos 1296

forts. 1

1	12687U	81235.26125726	.00822544	27712-4	29864-3 0	209
2	12687	67.1345 161.3356 0139587	77.6207	282.0868	16.05144864	1531
1	12687U	81236.19580490	.00801380	28079-4	28421-3 0	216
2	12687	67.1388 158.1853 0132590	76.8537	284.8496	16.06800583	1689
1	12687U	81236.19578610	.00902369	28345-4	31972-3 0	229
2	12687	67.1392 158.1855 0132485	76.9148	284.6842	16.06926217	1683
1	12687U	81237.06680601	.00987167	28109-4	32520-3 0	237
2	12687	67.1400 155.2475 0127987	76.2796	285.2603	16.08429911	1922
1	12687U	81237.25333403	.01018003	27691-4	32565-3 0	243
2	12687	67.1369 154.6155 0127464	.75.6726	285.9476	16.08812030	1855
1	12687U	81238.18530854	.01006553	28215-4	29699-3 0	252
2	12687	67.1362 151.4508 0122204	75.1910	285.8228	16.10569085	2008
1	12687U	81239.11535087	.01309371	29027-4	29899-3 0	267
2	12687	67.1389 148.2927 0103851	69.1296	293.5785	16.16607099	2157
1	12687U	81240.16699089	.01498544	28548-4	30029-3 0	283
2	12687	67.1377 144.6907 0094770	68.3781	292.9875	16.19522080	2332

1	12687U		81239.17794472	.01264557	28340-4	29654-3 0	279
2	12687	67.1395	149.0819 0103423	59.0780	292.1427	16.16760661	2167

1	12687U		81241.27759613	.01694459	29814-4	23202-3 0	291
2	12687	67.1351	140.8648 0085846	67.0707	295.1396	16.23122230	2513

1	12687U		81241.33900905	.01712308	29889-4	22567-3 0	302
2	12687	67.1368	140.6504 0085526	66.6045	294.4051	16.23334111	2529

1	12687U		81242.07777689	.00828524	27163-4	22667-3 0	317
2	12687	67.1339	138.1069 0172379	87.8239	263.9211	16.00741021	2647

1	12687U		81242.26700265	.00844648	27085-4	22667-3 0	323
2	12687	67.1326	137.4760 0171254	87.3247	274.7792	16.01075751	2676

1	12687U		81242.57929003	.01073205	27501-4	27665-3 0	331
2	12687	67.1371	136.4231 0168774	86.8795	275.3195	16.01802686	2729

1	12687U		81243.07861763	.01185241	28044-4	29355-3 0	340
2	12687	67.1332	134.7553 0165078	86.6152	275.4197	16.02949560	2803

1	12687U		81244.20079829	.01187336	28004-4	24039-3 0	359
2	12687	67.1312	130.9838 0156619	85.2478	276.4600	16.05572521	2988

1	12687U		81244.76125344	.01164267	28203-4	21684-3 0	367
2	12687	67.1312	129.0927 0152504	84.6701	277.1778	16.05963716	3072

1	12687U		81245.19690189	.01265330	27774-4	21253-3 0	375
2	12687	67.1312	127.6221 0149459	84.2908	277.5263	16.07996816	3143

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Kosmos 1296

parts.2

1	12687U		81245.50770977	.01284119	27994-4	20153-3 0	395
2	12687	67.1334	125.5590 0146207	83.5659	278.2834	16.09032413	3192
1	12687U		81246.25310664	.01575055	28326-4	21105-3 0	392
2	12687	67.1314	124.0434 0138843	83.1558	279.9197	16.11403399	3310
1	12687U		81246.99731250	.00596671	27817-4	21105-3 0	403
2	12687	67.1353	121.5134 0133848	70.2467	287.9904	15.05586084	3434
1	12687U		81247.30912399	.00967833	27987-4	33399-3 0	412
2	12687	67.1353	120.4591 0131947	69.4088	292.2449	16.07185283	3481
1	12687U		81248.11771318	.00906908	28244-4	30828-3 0	425
2	12687	67.1316	117.7403 0125810	68.5207	292.5091	16.08572611	3613
1	12687U		81250.29087535	.01105708	28552-4	30005-3 0	451
2	12687	67.1263	110.3527 0112948	67.3345	294.0308	16.13252930	3969
1	12687U		81251.34405410	.01183376	28554-4	28216-3 0	450
2	12687	67.1275	106.7505 0106297	66.1445	295.3845	16.15779758	4130
1	12687U		81252.21003914	.01362479	28954-4	28141-3 0	479
2	12687	67.1222	103.7934 0100398	65.1558	296.4557	16.18167399	4275
1	12687U		81252.64246518	.01471790	28953-4	25835-3 0	481
2	12687	67.1246	102.3100 0097020	64.7983	296.4756	16.19498009	4341

1	12687U		81252.64246518	.01471790	28963-4	25835-3 0	492
2	12687	67.1246	102.3100 0097020	64.7983	296.4756	16.19498009	4341

1	12687U		81253.69120866	.01881155	29083-4	23609-3 0	518
2	12687	67.1188	98.6964 0087230	64.0123	297.3032	16.23190746	4510

1	12687U		81253.99913355	.01495976	29054-4	23609-3 0	526
2	12687	67.1256	97.6347 0101882	71.5244	225.1216	16.19004316	4563

1	12687U		81254.24696927	.01661371	29028-4	25084-3 0	532
2	12687	67.1227	96.7822 0098912	71.1029	290.1453	16.19845673	4603

1	12687U		81254.24696927	.01661371	29028-4	25084-3 0	543
2	12687	67.1227	96.7822 0098912	71.1029	290.1453	16.19845673	4602

1	12687U		81255.23364295	.02001988	29157-4	20764-3 0	550
2	12687	67.1204	93.3780 0088060	70.3149	290.7544	16.23850978	4759

1	12687U		81255.78759179	.02078581	28791-4	15769-3 0	565
2	12687	67.1244	91.4601 0083788	69.2229	292.0037	16.25233282	4850

1	12687U		81255.97201799	.02540770	29587-4	13354-3 0	578
2	12687	67.1198	90.8186 0079093	69.3662	292.0239	16.27464576	4885

1	12687U		81255.97201799	.02540770	29587-4	13354-3 0	589
2	12687	67.1198	90.8186 0079093	69.3662	292.0239	16.27464576	4885

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1	12715U	81 79	A	81230.45032126	-.00001694	11688-4	00000 0 0	.10
2	12716	72.8707		113.9336 0124123	82.5755	279.7934	15.99018953	2303
1	12715U	81 79	A	81230.70059028	-.00001698	11718-4	00000 0 0	29
2	12716	72.8545		113.2015 0124326	81.9988	279.5261	15.99025320	78
1	12715U	81 79	A	81231.01360922	-.00000147	00000-0	00000 0 0	39
2	12716	72.8329		112.4014 0091304	90.6821	269.5512	15.93018287	123
1	12715U	81 79	A	81231.20217269	-.00009403	00000-0	-11322-4 0	49
2	12716	72.8571		111.9330 0059474	70.6786	296.8179	16.03454941	154
1	12715U	81 79	A	81232.19920435	.00087594	56703-5	11244-3 0	53
2	12716	72.8591		109.3944 0058233	69.4084	292.3570	16.03652415	317
1	12715U	81 79	A	81232.73263693	.00099922	58505-5	11354-3 0	51
2	12716	72.8588		107.9661 0058052	67.0708	293.6578	16.03753970	400
1	12715U	81 79	A	81233.25966407	.00096599	65157-5	12215-3 0	78
2	12716	72.8568		106.6957 0058310	66.2272	294.5341	16.03861791	483

1	12716U	81 79	A	81234.25761193	.00100043	66881-5	12564-3 0	99
2	12716	72.8535		104.1531 0057405	63.7077	297.0252	16.04062385	647
1	12716U	81 79	A	81235.38015239	.00104948	72876-5	13009-3 0	103
2	12716	72.8531		101.2939 0056970	60.6319	300.1238	16.04308510	826
1	12716U	81079	A	81234.94363144	.00102171	00000-0	00000-0 0 00111	
2	12716	072.8489		102.4025 0057804	062.3255	298.4360	16.04207902000731	
1	12716U	81 79	A	81236.06605254	.00119736	84754-5	14761-3 0	117
2	12716	72.8519		99.5436 0055961	58.9017	301.8307	16.04485634	938
1	12716U	81 79	A	81236.06605254	.00119736	84754-5	14761-3 0	123
2	12716	72.8519		99.5436 0055961	58.9017	301.8307	16.04485634	938
1	12716U	81 79	A	81237.25061464	.00128522	96787-5	15526-3 0	133
2	12716	72.8532		96.5259 0056009	55.7186	304.9938	16.04795457	1100
1	12716U	81 79	A	81238.24795309	.00130946	99185-5	15607-3 0	142
2	12716	72.8550		93.9793 0055511	53.3299	307.2375	16.05040090	1265
1	12716U	81 79	A	81238.99537872	.24422266	32233-5	17444-1 0	155
2	12716	72.8442		92.0904 0030697	55.2423	308.4221	16.14670448	1389
1	12716U	81 79	A	81239.05727699	.00199656	22898-4	15607-3 0	161
2	12716	72.8571		91.9061 0017919	105.8734	254.7782	16.14247971	1390
1	12716U	81 79	A	81240.23456413	.00189770	20985-4	14414-3 0	184
2	12716	72.8543		88.8646 0017453	99.9988	260.1508	16.14676115	1584

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forts. 1

1	12715U	81 79	A	81239.05722017	.00199621	23020-4	15607-3 0	171
2	12716	72.8557		91.9064 0017771	105.7310	254.5912	16.14253243	1395
1	12715U	81 79	A	81241.34970151	.00188983	29710-5	13948-3 0	190
2	12716	72.8544		95.9799 0017012	95.6577	264.6527	16.15097305	1769
1	12715U	81 79	A	81242.21680563	.00193548	29241-5	13948-3 0	206
2	12716	72.8565		93.7351 0017089	93.1954	267.0935	16.15426093	04
1	12715U	81 79	A	81242.58797012	.00725189	32533-5	46890-3 0	217
2	12716	72.8558		82.7750 0018470	93.8405	266.0041	16.15810787	1962

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Kosmos 1298

1	12776U	81 80	A	81233.48732239	-.00004963	34152-4	00000 0 0	10
2	12776	64.9217	160.3248	0118992	58.1065	303.0007	16.08345524	04
1	12776U	81 80	A	81233.48732239	-.00004963	34152-4	00000 0 0	10
2	12776	64.9217	160.3248	0118992	58.1065	303.0007	16.08345524	15
1	12776U	81 80	A	81233.48735452	-.00004955	34243-4	00000 0 0	23
2	12776	64.8967	160.3721	0118236	57.5144	303.7390	16.08209319	17
1	12776U	81 80	A	81233.73509718	-.00005014	34785-4	00000 0 0	35
2	12776	64.9899	159.4531	0118596	57.5908	303.8572	16.08477181	57
1	12776U	81 80	A	81234.23325632	.00957676	34659-4	35300-3 0	60
2	12776	64.8930	157.6153	0114912	57.9161	303.3113	16.09592594	133
1	12776U	81 80	A	81234.79227716	.00922024	34273-4	33285-3 0	83
2	12776	64.8942	155.5479	0112319	57.6922	303.4893	16.10609059	222
1	12776U	81 80	A	81235.53705314	.00972653	34091-4	32732-3 0	81
2	12776	64.8874	152.7364	0108272	57.2132	303.9453	16.12057898	346

1	12776U	81080	A	81234.97855483	.00914213	00000-0	00000-0	0	00099
2	12776	64.8925		154.8479 0119191	059.0209	302.2623	16.10937096000251		
1	12775U	81 80	A	81235.15715661	.01219021	34409-4	37173-3	0	98
2	12775	64.8899		150.4788 0105108	57.8939	303.5238	16.13615982		442
1	12776U	81 80	A	81235.15715661	.01219021	34409-4	37173-3	0	100
2	12776	64.8899		150.4788 0105108	57.8939	303.5238	16.13615982		442
1	12775U	81 80	A	81235.90045732	.01167702	34775-4	32545-3	0	123
2	12775	64.8975		147.7139 0101000	58.2419	302.3620	16.15263971		569
1	12776U	81 80	A	81237.08617006	.01201637	35161-4	32877-3	0	135
2	12776	64.8979		147.0216 0099460	58.3936	302.7361	16.15732046		592
1	12775U	81 80	A	81237.27179674	.01282020	34896-4	34098-3	0	148
2	12775	64.8962		146.3261 0097628	58.3256	302.3112	16.16344252		623
1	12775U	81 80	A	81238.07560608	.01417560	35639-4	33567-3	0	154
2	12775	64.8952		143.3212 0091991	58.2541	302.7686	16.18485640		756
1	12776U	81 80	A	81238.19917507	.01339407	35140-4	30430-3	0	163
2	12776	64.8925		142.8559 0092284	58.3535	302.3674	16.18810262		774
1	12776U	81 80	A	81238.44623233	.01106685	34919-4	30514-3	0	173
2	12776	64.8954		141.9342 0103939	69.1870	290.1318	16.14803488		317
1	12775U	81 80	A	81238.01291394	.01283444	35145-4	29928-3	0	184
2	12775	64.8926		143.5538 0094025	58.4535	297.2980	16.18245554		748
1	12776U	81 80	A	81238.01291394	.01283444	35145-4	29928-3	0	195
2	12776	64.8926		143.5538 0094025	58.4535	297.2980	16.18245554		748

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font. 1

1	12776U	81 80	A	81239.50801908	.01056559	34474-4	29928-3 0	203
2	12776	64.9931	141.7022	0101851	67.4125	291.3444	16.14951957	824
1	12776U	81 80	A	81240.11652165	.01429087	35215-4	32290-3 0	229
2	12776	64.8965	135.6898	0090418	67.5041	293.5603	16.19209201	1086
1	12776U	81 80	A	81239.18936328	.01233959	34975-4	31981-3 0	218
2	12776	64.8915	139.1620	0097481	67.3430	294.0466	16.15615596	931
1	12776U	81 80	A	81241.10385629	.01802363	35908-4	32290-3 0	239
2	12776	64.8937	131.9784	0083559	68.0862	293.6658	16.22545472	1249
1	12776U	81 80	A	81241.35020112	.01770505	35416-4	29363-3 0	243
2	12776	64.8926	131.0531	0081034	67.3765	293.5704	16.23410988	1287
1	12776U	81 80	A	81242.02726433	.00789411	33157-4	29363-3 0	253
2	12776	64.8938	129.4970	0190547	98.2903	257.6483	15.94055719	1395
1	12776U	81 80	A	81242.40472139	.00782092	33733-4	29363-3 0	276
2	12776	64.8891	127.1349	0188779	98.6305	263.2598	15.94355756	1454
1	12776U	81 80	A	81242.59294424	.00867920	33222-4	32101-3 0	287
2	12776	64.8904	126.4524	0187676	98.3476	263.9445	15.94725349	1487
1	12776U	81 80	A	81243.21932831	.00891600	33383-4	31913-3 0	293
2	12776	64.9053	124.1800	0184006	98.3165	263.9068	15.95846355	1589

1	12776U	81 80	A	81244.22192744	.00853348	33296-4	23079-3 0	303
2	12776	64.8881		120.5359 0179162	97.8182	264.2961	15.97623295	1747
1	12776U	81 80	A	81244.97279470	.00902392	33824-4	23318-3 0	315
2	12776	64.8887		117.3048 0174805	97.4572	264.7300	15.93933329	1869
1	12776U	81 80	A	81245.28543130	.00975211	33715-4	29411-3 0	322
2	12776	64.8995		116.6662 0173459	97.4248	264.6415	15.99619348	1910
1	12776U	81 80	A	81246.03531569	.01185338	33988-4	33108-3 0	334
2	12776	64.8868		113.9295 0168232	97.0484	265.4242	16.01406579	2038
1	12776U	81 80	A	81246.16012549	.01156910	33578-4	32347-3 0	344
2	12776	64.8877		113.4719 0166908	97.0835	264.9345	16.01684089	2056
1	12776U	81 80	A	81247.28306967	.01217726	34167-4	28644-3 0	352
2	12776	64.8893		109.3555 0159262	96.6699	265.2527	16.04384296	2230
1	12776U	81 80	A	81247.28306967	.01217726	34167-4	28644-3 0	353
2	12776	64.8893		109.3555 0159262	96.6699	265.2527	16.04384296	2252
1	12776U	81 80	A	81248.27959934	.01429812	34638-4	27437-3 0	375
2	12776	64.8872		105.6959 0151150	96.0480	265.8038	16.07069062	2410
1	12776U	81 80	A	81249.21224882	.01519049	34430-4	23454-3 0	385
2	12776	64.8869		102.2410 0142457	95.5893	266.5287	16.09973847	2561
1	12776U	81 80	A	81249.95705371	.01631126	34609-4	21842-3 0	404
2	12776	64.8887		99.4791 0134559	95.1642	266.6615	16.12392080	2669

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1	12776U	81 80	A	81250.26704190	.01611718	34669-4	19526-3 0	427
2	12776	64.8847		98.3237 0131945	95.5429	266.1360	16.13433759	2739

1	12776U	81 80	A	81250.39098309	.01337119	33726-4	19526-3 0	433
2	12776	64.8814		97.8936 0178604	96.9636	260.0699	16.01928879	2750

1	12776U	81 80	A	81250.45429560	.01300362	33771-4	19526-3 0	443
2	12776	64.8895		97.6568 0177514	96.0698	266.0307	16.02055686	2767

1	12776U	81 80	A	81250.45429560	.01300362	33771-4	19526-3 0	443
2	12776	64.8895		97.6568 0177514	96.0698	266.0307	16.02055686	02

1	12776U	81 80	A	81251.26513326	.01615497	34206-4	19529-3 0	459
2	12776	64.8833		94.6667 0170112	97.4766	264.5760	16.04677464	2890

1	12776U	81 80	A	81252.19906820	.01762432	34463-4	18511-3 0	464
2	12776	64.8886		91.2280 0159049	97.3985	264.8785	16.07948567	3046

1	12776U	81 80	A	81252.19906820	.01762432	34463-4	18511-3 0	475
2	12776	64.8895		91.2280 0159049	97.3985	264.8785	16.07948567	3046

1	12776U	81 80	A	81252.88257129	.00333839	34392-4	16713-3 0	495
2	12776	64.8894		88.7009 0135711	107.7538	251.6197	16.02886891	3154

1	12776U	81 80	A	81252.88257129	.00333839	34392-4	16713-3 0	496
2	12776	64.8894		88.7009 0135711	107.7538	251.6197	16.02886891	3154

1	12776U	81 80	A	81254.00562683	.00793976	34065-4	35993-3 0	517
2	12776	64.8850		84.5867 0131040	108.3376	253.2755	16.04324278	3336
1	12776U	81 80	A	81254.25492732	.00786574	34243-4	35400-3 0	527
2	12776	64.8857		83.6677 0129415	108.0854	253.4461	16.04718183	3375
1	12776U	81 80	A	81255.31369878	.00921902	34476-4	33763-3 0	549
2	12776	64.8815		79.7733 0124230	107.6257	253.7944	16.06720248	3541
1	12776U	81 80	A	81257.17991870	.00979963	34717-4	34592-3 0	569
2	12776	64.8827		72.9784 0114756	106.7489	254.6235	16.10330980	3847
1	12776U	81 80	A	81257.42729460	.01022994	34971-4	35011-3 0	571
2	12776	64.8792		71.9596 0111940	106.6806	254.8001	16.10903865	3889
1	12776U	81 80	A	81258.91567484	.01255849	34889-4	35313-3 0	589
2	12776	64.8808		65.4274 0103173	105.3531	255.9573	16.14365485	4127
1	12776U	81 80	A	81259.28724450	.00592986	34047-4	35813-3 0	599
2	12776	64.8847		65.0603 0115807	126.8966	229.1853	16.04149219	4181
1	12776U	81 80	A	81259.28724450	.00592986	34047-4	35813-3 0	601
2	12776	64.8847		65.0603 0115807	126.8966	229.1853	16.04149219	4181
1	12776U	81 80	A	81260.28541409	.00691791	34117-4	39196-3 0	614
2	12776	64.8824		61.3808 0113590	126.7830	234.9856	16.05597923	4342
1	12776U	81 80	A	81260.34761234	.00713161	33978-4	40118-3 0	629
2	12776	64.8810		61.1537 0113457	126.8538	234.3180	16.05690571	4352
1	12776U	81 80	A	81260.65898191	.00632881	34635-4	34920-3 0	630
2	12776	64.13734		60.0075 0112514	126.5938	234.5168	16.06075535	4400

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forts.3

1	12775U	81 80	A	81260.97029181	.00645235	34126-4	34920-3	0	643
2	12776	64.8829		59.8614 0111053	126.7562	234.5073	16.06579542		4456

1	12775U	81 80	A	81261.21923968	.00645554	34413-4	34920-3	0	551
2	12776	64.8803		57.9456 0109428	127.8369	233.2956	16.06887224		4491

1	12775U	81 80	A	81262.27690406	.00752979	34409-4	37410-3	0	668
2	12776	64.9809		54.0416 0105382	126.2508	235.5336	16.09554399		4667

1	12775U	81 80	A	81262.77394169	.00957220	34292-4	44877-3	0	584
2	12776	64.9951		52.2058 0103100	125.7721	235.6561	16.09602237		4743

1	12775U	81 80	A	81264.01551391	.00999019	34988-4	42812-3	0	711
2	12776	64.8785		47.5990 0096237	125.2307	235.4271	16.11819006		4947

1	12776U	81 80	A	81264.32594639	.01074731	34787-4	42812-3	0	729
2	12776	64.8780		46.4555 0096642	124.8970	236.1256	16.12517349		4991

1	12776U	81 80	A	81264.94539111	.00948353	34631-4	33772-3	0	733
2	12776	64.8737		44.1423 0092550	124.2982	236.7308	16.13546695		5092

1	12776U	81 80	A	81265.37963111	.00975021	35099-4	35595-3	0	753
2	12776	64.8791		42.5297 0089634	123.6905	237.3090	16.14407608		5163

1	12776U	81 80	A	81265.99885856	.01026852	34798-4	35980-3	0	762
2	12776	64.8781		40.2153 0086152	123.0751	238.0822	16.15764057		5265

1 12775U 81 80 A 81266.06071466 .00557781 34234-4 35380-3 0 770
2 12775 64.9065 40.0142 0115458 145.4048 214.2476 16.03625179 5277

1 12775U 81 80 A 81266.24800544 -.01010467 34006-4 -63917-3 0 784
2 12775 64.9816 39.2978 0115773 146.5344 214.4985 16.03805584 5309

1 12775U 81 80 A 81266.80938465 .00673022 34109-4 41775-3 0 793
2 12775 64.8774 37.2353 0112795 145.6241 217.5571 16.04734990 5393

1 12775U 81 80 A 81268.24139363 .00795814 33710-4 44542-3 0 823
2 12775 64.8756 31.9671 0106677 144.7489 216.3726 16.06992000 5625

1 12775U 81 80 A 81269.23671246 .00847892 34228-4 44205-3 0 836
2 12775 64.8771 29.2904 0101952 143.9438 217.7200 16.08647065 5784

1 12775U 81 80 A 81271.22361345 .01029204 34525-4 44465-3 0 853
2 12775 64.8773 20.9293 0091323 143.1573 217.7407 16.12605457 6109

1 12775U 81 80 A 81273.26740647 .01159999 35057-4 39079-3 0 871
2 12775 64.8764 13.3109 0080663 142.1148 219.9671 16.17090300 6434

1 12775U 81 80 A 81274.19439308 .01246778 35414-4 36691-3 0 882
2 12775 64.8768 9.8388 0074862 141.8518 219.1961 16.19454979 6583

1 12775U 81 80 A 81274.19439308 .01246778 35414-4 36691-3 0 893
2 12775 64.8768 9.8388 0074862 141.8518 219.1961 16.19454979 6583

1 12775U 81 80 A 81275.36613143 .01846977 35116-4 41792-3 0 917
2 12775 64.8752 5.4255 0065090 141.0434 219.5635 16.23644963 6779

1 12775U 81 80 A 81275.55087129 .01912185 35583-4 41079-3 0 934
2 12775 64.8737 4.7270 0053639 140.9642 219.6445 16.24376518 6901

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forts. 4

1	12776U	81	80	A	81274.62536454	.01621150	35543-4	43538-3	0	906
2	12776	64.8759	9.2113	0071294	141.5541	219.0756	16.20957945	6653		

81-824

Kosmos 1300

1	12785U	81 82	A	81237.02803745	.00000011	00000-0	00000 0 0	17
2	12785	82.5230		324.7603 0010195	302.2616	57.7607	14.73759219	16
1	12785U	81 82	A	81237.23177909	.00000011	00000-0	00000 0 0	27
2	12785	82.4987		324.5653 0019111	282.1027	77.8041	14.73458602	58
1	12785U	81 82	A	81237.63923444	.00029882	00000-0	45596-2 0	46
2	12785	82.4966		324.1905 0019997	282.7813	77.1247	14.73475671	115
1	12785U	81 82	A	81237.91096430	.00029960	00000-0	45696-2 0	59
2	12785	82.4954		323.9416 0020506	281.3997	78.4610	14.73436703	157
1	12785U	81 82	A	81238.25041778	.00029962	00000-2	45696-2 0	63
2	12785	82.4964		323.6267 0020296	279.6083	80.3153	14.73471359	207
1	12785U	81 82	A	81238.25041778	.00029962	00000-0	45696-2 0	79
2	12785	82.4964		323.6267 0020296	279.6083	80.3153	14.73471359	207
1	12785U	81 82	A	81238.25041778	.00029882	00000-0	45696-2 0	80
2	12785	82.4964		323.6267 0020296	279.6083	80.3153	14.73471359	207

1	12785U	81	82	A	91240.21975815	.00003453	00000-0	52699-3	0	107
2	12785	82.4968	321.8046	0020012	273.3021	86.5845	14.73477153	490		
1	12785U	81	82	A	91240.33139133	.00003966	00000-0	60525-3	0	175
2	12785	82.4955	316.1507	0020088	251.6619	108.0228	14.73524302	1396		

81-81

1	12807U	81	81	C	81250.49519252	.13521656	35693-4	21092-2 0	52
2	12807	64.9940	206.2694	0010809	269.2005	98.0182	16.33373332	2221	

1	12809U	81	81	D	81250.50492490	.00359911	68443-4	41133-3 0	45
2	12809	64.9932	206.3215	0013210	260.7538	99.1465	16.08617591	2226	

1	12809U	81	81	D	81251.93430790	.00378992	75942-4	40490-3 0	92
2	12809	64.9948	201.0514	0013169	260.7703	99.1970	16.09655345	2451	

1	12809U	81	81	D	81252.99024993	.00402627	87911-4	40731-3 0	104
2	12809	64.9963	197.1698	0012935	260.3033	99.6678	16.10490731	2624	

1	12809U	81	81	D	81253.85942371	.00423894	93510-4	40359-3 0	118
2	12809	64.9972	193.9637	0012701	260.2337	99.7372	16.11218835	2769	

1	12784U	81	81	B	81248.98785098	.00022307	00000-0	29508-4 0	253
2	12784	64.9971	212.2530	0007735	247.1149	112.9207	16.06524551	1956	

1	12809U	81	81	D	81249.42869004	.00014515	00000-0	12799-1	0	46
2	12808	65.1190	211.6299	0050690	238.0439	121.5616	13.94634315			60
1	12808U	81	81	D	81250.29541579	.00014514	00000-0	12799-1	0	63
2	12808	65.1190	209.3962	0049897	238.0347	121.5773	13.94641909			182
1	12808U	81	81	D	81252.17330707	.00014524	00000-0	12799-1	0	90
2	12808	65.1168	204.5409	0050793	237.0700	122.5167	13.94663905			442
1	12808U	81	81	D	81253.11223765	.00014529	00000-0	12799-1	0	113
2	12808	65.1161	202.1201	0051599	236.3666	123.1670	13.94667525			579
1	12783U	81	81	A	81255.26132161	.00000025	00000-0	50384-4	0	393
2	12783	65.1174	196.4581	0032453	230.4065	129.4165	13.89263302			2795
1	12808U	81	81	D	81256.29026562	.00014514	00000-0	12799-1	0	187
2	12808	65.1300	193.9255	0047668	233.2203	126.5075	13.94693055			1019
1	12809U	81	81	D	81256.94030401	-.00000035	00000-0	00000	0	191
2	12808	65.1195	192.2459	0050208	235.7984	123.7107	13.94618579			1105

81-81A

Kosmos 1299

1	12783U	81 81	A	81236.74749322	-.00000379	00000-0	00000 0 0	10
2	12783	64.9378		256.7112 0015512	254.7391	105.2121	16.05722298	03
1	12784U	81 81	B	81236.80977440	-.00000367	00000-0	00000 0 0	19
2	12784	64.9381		255.5628 0013297	256.8889	93.2046	16.05334638	12
1	12784U	81 81	B	81236.87201480	-.00000386	00000-0	00000 0 0	22
2	12784	64.9918		256.3089 0017072	220.5547	139.6853	16.06818905	05
1	12783U	81 81	A	81236.93433873	-.00000382	00000-0	00000 0 0	27
2	12783	65.0051		256.0905 0014006	266.4437	93.9176	16.05454161	31
1	12783U	81 81	A	81237.12103080	-.00000369	00000-0	00000 0 0	39
2	12783	64.9977		255.4123 0009984	272.3549	87.2872	16.05955174	67
1	12783U	81 81	A	81237.18336651	.00269718	37361-4	36530-3 0	42
2	12783	64.9962		255.1814 0009876	273.0302	86.9868	16.05028746	07
1	12783U	81 81	A	81237.18336651	.00269718	37361-4	36530-3 0	42
2	12783	64.9962		255.1814 0009876	273.0302	86.9868	16.05028746	74

1	12783U	81	81	A	81237.37016975	.00270954	38351-4	36530-3 0	57
2	12783	64.9978	254.4994	0009651	273.4979	86.4890	16.06108995	105	
1	12783U	81	81	A	81237.55696929	.00149565	14569-4	20217-3 0	54
2	12783	64.9967	253.8132	0009922	271.4938	89.4797	16.06135300	136	
1	12783U	81	81	A	81238.24185966	.00285756	42451-4	37695-3 0	73
2	12783	64.9967	251.3025	0010436	270.5359	89.4734	16.06437641	246	
1	12783U	81	81	A	81239.24185966	.00285756	42451-4	37695-3 0	99
2	12783	64.9967	251.3025	0010436	270.5359	89.4734	16.06437641	246	
1	12783U	81	81	A	81238.24185966	.00285756	42451-4	37695-3 0	90
2	12783	64.9967	251.3025	0010436	270.5359	89.4734	16.06437641	246	
1	12783U	81	81	A	81239.05117028	-.00000374	00000-0	00000 0 0	104
2	12783	64.9976	248.3355	0010479	270.1103	89.3860	16.06431796	372	
1	12783U	81	81	A	81240.23402431	-.00067399	00000-0	-90562-4 0	125
2	12783	64.9976	244.0001	0011106	263.1467	96.3563	16.05247127	573	
1	12783U	81	81	A	81239.17558009	.00007268	00000-0	99999-5 0	116
2	12783	64.9929	247.8774	0010410	263.4693	96.4844	16.05417071	390	
1	12783U	81	81	A	81241.16907575	.00009681	00000-0	13190-4 0	133
2	12783	64.9954	240.5740	0010449	262.0008	98.5099	16.05377425	729	
1	12783U	81	81	A	81241.35474050	.00044875	00000-0	53775-4 0	145
2	12783	64.9965	239.8899	0010653	265.2088	94.8169	16.05422717	751	
1	12783U	81	81	A	81242.59979314	.00163789	16585-4	21930-3 0	164
2	12783	64.9974	235.3208	0009872	277.2274	82.0958	16.06348723	953	

81-81A

Kosmos 1299

forts. 1

1	12783U	81	81	A	81243.22243631	.00086710	79428-5	11610-3 0	170
2	12783	64.9972	233.0443	0010275	274.5812	85.1133	16.06414050	1059	

1	12783U	81	81	A	81244.21863426	-.00000356	00000-0	00000 0 0	187
2	12783	64.9741	229.3956	0008989	275.0817	84.9395	16.06136797	1212	

1	12783U	81	81	A	81245.27705291	.00061668	00000-0	30752-4 0	193
2	12783	64.9982	225.5100	0010153	273.3221	86.5484	16.06350523	1385	

1	12783U	81	81	A	81246.27314807	.00045538	00000-0	59581-4 0	204
2	12783	65.0017	221.8550	0010603	272.1402	87.7957	16.06436788	1545	

1	12783U	81	81	A	81248.07859935	.00088541	90275-5	12093-3 0	226
2	12783	65.0002	215.2161	0010468	244.2729	115.8124	16.06082447	1934	

1	12783U	81	81	A	81248.26539972	.00172026	17767-4	23158-3 0	234
2	12783	65.0002	214.5534	0008891	266.7949	93.2150	16.06197569	1864	

1	12783U	81	81	A	81248.63880432	.00003442	00000-0	50566-5 0	246
2	12783	64.9959	213.1802	0009176	269.8562	89.1892	16.06206884	1923	

1	12783U	81	81	A	81249.28269945	.00015376	00000-0	12799-1 0	293
2	12783	65.1155	211.9856	0032934	231.5836	128.2261	13.99278470	42	

1	12793U	81	81	A	81250.00319873	.00015375	00000-0	12799-1 0	312
2	12793	65.1176	210.1122		0033051	230.9743	129.3987	13.98271672	147
1	12793U	81	81	A	81250.29122779	.00001601	00000-0	13864-2 0	324
2	12793	65.1168	209.3571		0032592	230.9273	128.8894	13.98265332	185
1	12793U	81	81	A	81252.23624037	.00023303	00000-0	19344-1 0	336
2	12793	65.1179	204.3196		0032977	229.5975	130.2153	15.38276473	457
1	12793U	81	81	A	81252.23624037	.00023303	00000-0	19344-1 0	347
2	12783	65.1179	204.3196		0032977	229.5975	130.2153	13.38276473	457
1	12793U	81	81	A	81252.88458029	.00000148	00000-0	17921-3 0	369
2	12783	65.1169	202.6344		0032583	229.8883	129.9323	13.98265226	2467
1	12783U	81	81	A	81253.24475952	-.00000146	00000-0	-91729-4 0	375
2	12793	65.1169	201.7000		0032522	229.9899	129.3307	13.98263611	2511

87-83A

Kosmos 1301

1	12788U	81 83	A	81239.49204242	.00000089	00000-0	00000 0 0	15
2	12788	82.3075		159.4908 0034827	88.3577	272.1659	16.13103533	09
1	12789U	81 83	A	81239.55407796	.00000091	00000-0	00000 0 0	26
2	12788	82.3204		159.3929 0044084	97.5303	262.5881	16.11850280	18
1	12789U	81 83	A	81239.98874542	.00000092	00000-0	00000 0 0	32
2	12788	82.3132		158.8912 0046068	96.8318	263.3259	16.11877508	99
1	12788U	81 83	A	81240.23707292	.00218774	-14398-5	17424-3 0	41
2	12788	82.3139		159.5006 0044221	94.9097	265.9567	16.12118235	124
1	12789U	81 83	A	81240.48531542	.00093771	30031-5	17424-3 0	51
2	12788	82.3133		158.3150 0005767	10.3652	347.1880	16.00979678	164
1	12789U	81 83	A	81241.35955133	.00124377	58070-5	20170-3 0	79
2	12788	82.3149		157.3038 0010354	306.1511	53.9054	16.03246047	304
1	12789U	81 83	A	81242.54545845	.00103658	38084-5	15577-3 0	95
2	12788	82.3143		155.9356 0010303	300.0370	59.9032	16.03473221	493

1	12799U	81 83	A	81243.23192081	.00116959	51688-5	19530-3 0	109
2	12788	82.3128	155.1421	0010502	293.7423	66.3135	16.03635476	600

1	12788U	81 83	A	81244.23025394	.00106310	40146-5	15640-3 0	119
2	12788	82.3133	153.9904	0010574	299.2421	70.6609	16.03827418	765

1	12788U	81 83	A	81245.22851449	.00100272	35724-5	15525-3 0	137
2	12788	82.3130	152.8387	0010423	286.1623	73.3482	16.04012103	929

1	12799U	81 83	A	81246.22774152	.00056146	00000-0	99999-4 0	146
2	12788	82.3011	151.6965	0004425	4.9843	355.0501	16.01556975	1082

1	12788U	81 83	A	81247.35234676	.00087281	25078-5	15514-3 0	155
2	12788	82.3089	150.3931	0003678	356.0202	4.0849	16.01764937	1260

1	12788U	81083	A	81244.97808012	.00000000	00000-0	00000-0 0 00100	
2	12788	082.3135	153.1287	0004354	357.5918	002.6075	16.01453097000983	

1	12788U	81 83	A	81247.35234676	.00087281	25078-5	15514-3 0	166
2	12788	82.3089	150.3931	0003678	356.0202	4.0849	16.01764937	1271

1	12788U	81 83	A	81249.22693877	.00088259	25618-5	15545-3 0	175
2	12788	82.3105	149.3866	0003944	350.0065	10.1182	16.01919259	1413

1	12788U	81 83	A	81250.28810162	.00098071	33334-5	15979-3 0	205
2	12788	82.3090	147.0137	0003318	337.5099	22.5078	16.02326666	1749

1	12788U	81 83	A	81251.34971084	.00095135	31554-5	15104-3 0	215
2	12788	82.3127	145.7911	0002954	335.9329	24.1228	16.02519075	1917

81-83A

Kosmos 1301 parts. 1

1	12798U	81 83	A	81251.59949428	.00089919	27220-5	15194-3 0	229
2	12798	82.3147		145.5039 0008060	353.8578	5.5308	16.01437542	1957
1	12798U	81 83	A	81252.15196013	.00101806	36647-5	18256-3 0	231
2	12798	82.3147		144.8590 0006836	351.9821	8.1006	16.01587203	2042
1	12798U	81 83	A	81252.78674617	.00082694	21412-5	14732-3 0	243
2	12798	82.3137		144.1400 0007018	351.2262	8.9427	16.01682950	2146

81-84A

Kosmos 1302

1	12791U	81 84	A	81240.66799656	-.00000012	00000-0	00000 0 0	05
2	12791	74.0251		229.5115	0026984	350.7943	9.2707 14.27334542	06
1	12791U	81 84	A	81240.73808535	-.00000012	00000-0	00000 0 0	12
2	12791	73.9543		229.3974	0020813	0.6631 359.4524	14.28660582	14
1	12791U	81 84	A	81241.01818479	-.00000012	00000-0	00000 0 0	23
2	12791	74.0278		228.8749	0019991	356.1650	4.1300 14.28807465	53
1	12791U	81 84	A	81241.36821669	.00000734	00000-0	29999-3 0	39
2	12791	74.0303		228.2383	0019424	354.9324	5.1547 14.28838801	103
1	12791U	81 84	A	81245.91917022	-.00000012	00000-0	00000 0 0	64
2	12791	74.0300		219.9810	0020445	345.8599	14.1957 14.28843733	746

81-85A

[Titan 3D]

1	12799U	81 85	A	81246.87493624	-.00000138	00000-0	00000 0 0	10
2	12799	96.9316	315.4457	0229400	165.1606	197.2615	15.56021397	17
1	12799U	81 85	A	81247.00245298	-.00000105	00000-0	00000 0 0	23
2	12799	96.9805	315.5401	0209348	163.8487	193.9415	15.51533261	37
1	12799U	81 85	A	81247.13117637	-.00000104	00000-0	00000 0 0	32
2	12799	96.9874	315.7704	0209058	163.3290	197.5153	15.51545634	54
1	12799U	81 85	A	81247.38750190	-.00000106	00000-0	00000 0 0	49
2	12799	96.9778	316.0282	0210370	162.4289	198.5152	15.61656463	93

81-86A

Kosmos 1303

1	12801U	81 86	A	81247.39096761	-.00000305	00000-0	00000 0 0	10
2	12801	70.4069	146.4624	0117920	56.1812	295.1548	15.96377901	03
1	12801U	81 86	A	81247.70480006	-.00000299	00000-0	00000 0 0	16
2	12801	70.4037	145.5465	0125711	67.2221	294.2228	15.94148675	56
1	12801U	81 86	A	81247.70480006	-.00000299	00000-0	00000 0 0	27
2	12801	70.4037	145.5465	0125711	67.2221	294.2228	15.94148675	56
1	12801U	81 86	A	81247.95579654	-.00000301	00000-0	00000 0 0	37
2	12801	70.3444	144.8031	0125088	67.8489	293.6263	15.94167353	99
1	12801U	81 86	A	81247.95579093	-.00000305	00000-0	00000 0 0	49
2	12801	70.4051	144.8308	0126603	67.6152	293.8171	15.94164229	85
1	12801U	81 86	A	81248.26954060	-.00000096	00000-0	00000 0 0	53
2	12801	70.4078	143.9794	0041182	211.9334	115.6827	15.60566051	134
1	12801U	81 86	A	81248.33938375	-.00000095	00000-0	00000 0 0	62
2	12801	70.4063	143.7899	0040665	209.2964	150.2464	15.60028385	143

1	12801U	81	86	A	81250.26307403	.00008357	00000-0	99554-4 0	97
2	12801	70.4074	138.5667	0041177	205.8328	154.0909	15.50067877	443	
1	12801U	81	86	A	81251.35311095	.00013087	00000-0	15636-3 0	117
2	12801	70.4063	135.6045	0041084	203.6920	156.2358	15.50091607	615	
1	12801U	81	86	A	81252.18666206	.00026209	00000-0	31030-3 0	122
2	12801	70.4047	133.3404	0040894	202.7113	157.2236	15.50108379	741	
1	12801U	81	86	A	81253.27666803	.00006158	00000-0	73648-4 0	142
2	12801	70.4080	130.3790	0040619	200.6632	159.2169	15.50112445	915	
1	12801U	81	86	A	81255.32844320	.00032683	00000-0	38766-3 0	153
2	12801	70.4069	124.8047	0040653	196.6843	163.3132	15.50174313	1237	
1	12801U	81	86	A	81257.05957428	.00146796	00000-0	15978-2 0	175
2	12801	70.4064	120.1020	0040843	194.3880	165.6049	15.50211500	1500	
1	12801U	81	86	A	81258.72649549	.00036775	00000-0	43364-3 0	199
2	12801	70.4032	115.5746	0039292	193.0385	166.5865	15.50210910	1769	
1	12801U	81	86	A	81259.30353685	.00036910	00000-0	43364-3 0	205
2	12801	70.4063	114.0054	0040063	190.9858	169.0757	15.50264463	1853	
1	12801U	81	86	A	81260.39351589	.00008644	00000-0	10363-3 0	220
2	12801	70.4048	111.0433	0040250	188.1452	171.9058	15.50244965	2027	
1	12801U	81	86	A	81261.22698118	.00008647	00000-0	10363-3 0	239
2	12801	70.4042	109.7771	0040339	186.7825	173.2779	15.50258354	2152	

81-87A

Kosmos 1304

1	12803U	81 87	A	81247.59353866	.00000006	00000-0	00000 0 0	14
2	12803	82.9198		177.9968 0045941	335.8351	24.7953	13.34996511	19
1	12803U	81 87	A	81248.02663247	.00000006	00000-0	00000 0 0	26
2	12803	82.9352		177.6697 0045705	326.7058	33.1356	13.35546153	72
1	12803U	81 87	A	81248.24332301	.00013949	00000-0	12091-1 0	46
2	12803	82.9374		177.5077 0045968	325.5383	33.9903	13.35559257	104
1	12803U	81 87	A	81248.74891576	.00013950	00000-0	12091-1 0	57
2	12803	82.9397		177.1240 0045083	324.4295	35.3390	13.35578595	171

81-88A

Kosmos 1305

1	12818V	81 88	A	81254.59830423	-.00000004	00000-0	00000 0 0	17
2	12818	62.8248		70.8315 4858974	287.1236	26.6459	5.46008016	13
1	12818U	81 88	A	81254.78146148	-.00000004	00000-0	00000 0 0	23
2	12818	62.8308		70.7361 4859053	287.1284	26.6510	5.45995203	23

81-89A

Kosmos 1306

1	12828U	81 89	A	81258.22506417	.00653853	32794-4	30879-3 0	14
2	12828	64.9855		335.0549 0191994	45.4577	316.1166	15.91516066	53
1	12828U	81 89	A	81257.91095102	.06571060	32749-4	30879-3 0	24
2	12828	64.8552		336.1999 0359726	40.0604	314.0976	15.91297170	09
1	12828U	81 89	A	81258.59064866	.00652312	32906-4	32417-3 0	34
2	12828	64.9635		333.7324 0199504	46.9211	248.8567	15.91552715	30
1	12828U	81 89	A	81259.23034390	.00204357	85374-5	32417-3 0	46
2	12828	64.9585		331.4305 0161310	55.7734	302.9189	15.33695127	190
1	12828U	81 89	A	81259.29400725	.00044008	00000-0	32417-3 0	55
2	12828	64.9590		331.2056 0092963	57.2703	302.9457	15.67011630	192
1	12828U	81 89	A	81259.35796793	.00043746	00000-0	32417-3 0	64
2	12828	64.9583		330.9814 0093736	56.9325	304.0253	15.66790908	02
1	12828U	81 89	A	81259.35796793	.00043746	00000-0	32417-3 0	86
2	12828	64.9583		330.9814 0093736	56.9325	304.0253	15.66790908	248

1	12828U	81 89	A	81260.37922108	.00024222	00000-0	13084-3-0	94
2	12828	64.9605	327.4515	0093705	57.1047	303.8889	15.56855653	402
1	12828U	81 89	A	81261.08207928	-.00000100	00000-0	99999-6 0	108
2	12828	64.9603	325.0357	0062090	31.9927	328.5260	15.49871348	516
1	12828U	81 89	A	81261.34099451	-.00000095	00000-0	99999-6 0	122
2	12828	64.9650	324.1560	0038524	22.8475	337.4348	15.43900666	555
1	12828U	81 89	A	81261.34099451	-.00000095	00000-0	99999-6 0	133
2	12828	64.9650	324.1560	0038524	22.8475	337.4348	15.43900666	555
1	12828U	81 89	A	81262.11860915	-.00000086	00000-0	99999-6 0	141
2	12828	64.9659	321.5546	0015919	347.9449	12.1266	15.38144488	670
1	12828U	81 89	A	81262.24854642	-.00000086	00000-0	99999-6 0	157
2	12828	64.9629	321.1223	0010440	323.2208	37.6503	15.39991347	697
1	12828U	81 89	A	81262.24854642	-.00000086	00000-0	99999-6 0	163
2	12828	64.9629	321.1223	0010440	323.2208	37.6503	15.39991347	697
1	12828U	81 89	A	81263.41750831	-.00000086	00000-0	99999-6 0	184
2	12828	64.9674	317.2290	0010382	336.8883	23.1504	15.39760111	871
1	12828U	81 89	A	81264.13196248	-.00000086	00000-0	99999-6 0	191
2	12828	64.9511	314.8569	0009095	231.8560	129.5523	15.42877987	985
1	12828U	81 89	A	81264.32616930	-.00000086	00000-0	99999-6 0	209
2	12828	64.9650	314.2098	0012713	239.9436	120.9321	15.44176446	1012

81-89A

Kosmos 1306

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1	12828U	81 89	A	81265.03841745	-.000000086	00000-0	99999-5 0	213
2	12828	64.9642	311.8181	0011059	256.4641	102.3852	15.45545876	1128
1	12828U	81 89	A	81265.36179781	.00023795	00000-0	49542-3 0	232
2	12828	64.9641	310.7337	0010719	255.5732	104.3982	15.45527946	1177
1	12828U	81 89	A	81265.68534083	.00041003	00000-0	84586-3 0	259
2	12828	64.9636	309.6477	0010582	256.4003	103.6123	15.45562976	1220
1	12828U	81 89	A	81266.07357137	.00038088	00000-0	84586-3 0	266
2	12828	64.9427	308.3351	0008571	260.4093	98.6797	15.43431279	1289
1	12828U	81 89	A	81266.26812413	.00116764	00000-0	25593-2 0	270
2	12828	64.9596	307.6928	0009718	264.1733	95.7878	15.43409105	1319
1	12828U	81 89	A	81276.24642182	.00022452	00000-0	50005-3 0	426
2	12828	64.9609	274.3195	0010736	265.5027	94.5035	15.43558640	2854
1	12828U	81 89	A	81277.21825904	.00010634	00000-0	24034-3 0	411
2	12828	64.9603	271.0652	0010581	259.4653	100.3695	15.43552904	3006
1	12828U	81 89	A	81284.28098270	.00023464	00000-0	52541-3 0	514
2	12828	64.9623	247.4436	0010160	266.4961	93.4522	15.43338723	4097
1	12828U	81 89	A	81288.10382427	.00016171	00000-0	40745-3 0	570
2	12828	64.9584	234.6591	0009906	270.1189	89.5294	15.43464579	4682

1	12828U	81	89	A	81295.10157038	.00043302	00000-0	96371-3 0	574
2	12828	64.9637	211.2559	0009239	264.2112	95.3442	15.43353075	5765	

1	12828U	81	89	A	81305.59831488	-.00000127	00000-0	99999-7 0	837
2	12828	64.9626	176.1371	0011177	268.1436	91.9166	15.43396585	7388	

1	12828U	81	89	A	81309.55067450	.00020877	00000-0	46874-3 0	885
2	12828	64.9600	162.9214	0010049	268.7786	91.0969	15.43360993	7993	

81-90A

Kosmos 7307

1	12830U	81 90	A	81259.53359585	-.00001590	10793-4	00000 0 0	24
2	12830	72.8720		171.5173 0147229	85.5901	276.2184	15.92809039	17

1	12830U	81 90	A	81259.85256145	.00208787	11616-4	20452-3 0	69
2	12830	72.8653		168.2046 0146542	82.5499	279.0277	15.93049584	229

1	12830U	81 90	A	81260.22937189	.00015208	00000-0	20452-3 0	72
2	12830	72.8779		167.2578 0029753	192.1617	166.9192	15.57394566	288
1	12830U	81 90	A	81260.42225460	.00017113	00000-0	20452-3 0	84
2	12830	72.8925		166.7959 0053210	216.0128	145.4634	15.59209710	312
1	12830U	81 90	A	81260.61443048	.00017851	00000-0	20452-3 0	99
2	12830	72.8686		166.3495 0046305	207.0785	153.4879	15.60715018	342

1	12830U	81 90	A	81261.31938086	.00017896	00000-0	20452-3 0	109.
2	12830	72.8669		164.6669 0046377	205.2973	154.5931	15.60772321	459

1	12830U	81 90	A	81261.31938086	.00017896	00000-0	20452-3 0	110
2	12830	72.8669		164.6669 0046377	205.2973	154.5931	15.60772321	459

1 12930U 81 90 A 81252.28093046 .00017888 00000-0 20452-3 0 125
2 12930 72.8690 152.3715 0045809 202.6996 157.1339 15.60791669 607

1 12930U 81 90 A 81264.26792040 .00017904 00000-0 20452-3 0 147
2 12930 72.8666 157.6262 0045919 199.1382 160.6776 15.60815111 913

1 12930U 81 90 A 81265.42154874 .00033875 00000-0 33496-3 0 156
2 12930 72.8674 154.8715 0045655 195.2956 164.5595 15.60838222 1095

1 12930U 81 90 A 81266.31938045 .00006841 00000-0 78364-4 0 163
2 12930 72.8680 152.7301 0045547 193.7569 156.0715 15.60826242 1239

1 12930U 81 90 A 81268.24174950 .00007793 00000-0 89162-4 0 181
2 12930 72.8673 148.1349 0044909 190.2367 169.7801 15.60848133 1533

1 12930U 81 90 A 81271.25414600 .00008428 00000-0 96114-4 0 216
2 12930 72.8641 140.9401 0045522 182.5993 177.5139 15.60993090 2004

81-91A

Kosmos 1308

1	12835U	81 91	A	81261.29010568	.00000006	00000-0	00000 0 0	15
2	12935	82.8906		78.2943 0027412	300.5900	59.1008	13.74109033	13
1	12835U	81 91	A	81261.28013892	.57156039	00000-0	-95096 1 0	21
2	12935	82.8964		78.2999 0030057	299.3613	60.4473	13.73470970	16
1	12835U	81 91	A	81261.57142528	.00000006	00000-0	00000 0 0	31
2	12835	82.9213		78.0904 0023539	299.3048	60.5748	13.73994941	56
1	12935U	81 91	A	81261.78988952	.00000006	00000-0	00000 0 0	44
2	12935	82.9201		77.9212 0026856	296.0315	63.8396	13.74027036	90
1	12835U	81 91	A	81265.43090131	.00000100	00000-0	99999-4 0	116
2	12935	82.9190		75.2210 0026654	285.2055	74.5908	13.74012155	582

81-92A

Kosmos 1309

1	12837U	81 92	A	81261.51222321	.00000089	00000-0	00000 0 0	17
2	12837	82.3158		165.9670 0029548	93.7250	266.4545	16.14799062	15

1	12837U	91 92	A	81251.82212204	.00000087	00000-0	00000 0 0	29
2	12837	82.3020		165.6048 0034161	92.5634	268.1915	16.15006441	63

1	12837U	91 92	A	81254.23736247	.00327104	-16757-5	20715-3 0	51
2	12837	82.3127		162.7660 0029002	85.1789	275.2611	16.16591035	455

1	12837U	81 92	A	81265.41320746	.00302894	-17888-5	13207-3 0	64
2	12837	82.3120		161.3817 0029219	81.4274	278.7212	16.17267296	641

1	12837U	81 92	A	81266.21751804	.00336393	-20555-5	19465-3 0	70
2	12837	82.3120		160.4371 0028495	79.6284	280.9545	16.17823592	776

1	12837U	81 92	A	81268.13417913	.00349024	-19025-5	13331-3 0	91
2	12837	82.3098		158.1784 0027699	71.6716	288.5743	16.19142103	1083

1	12837U	81	92	A	81272.33232595	.00446089	-59059-5	13128-3	0	133
2	12837	82.3076	153.2130	0022681	56.1822	304.1792	16.22691337			03
1	12837U	81	92	A	81273.25711741	.00486253	-60114-5	18484-3	0	142
2	12837	82.3082	152.1140	0021783	52.0716	308.2703	15.23557231			1911
1	12837U	81	92	A	81274.18138061	.00509569	-55628-5	17968-3	0	150
2	12837	82.3079	151.0145	0021100	49.2233	311.0661	16.24495870			2063

81-93A

Kina 9, SW-9

1	12842U	81	93	A	81253.01547229	-.00000306	00000-0	00000 0 0	11
2	12842	59.4145	272.5037	0936362	148.1222	219.4768	13.94114961		.10

1	12842U	81	93	A	81253.08639571	-.00000312	00000-0	00000 0 0	23
2	12842	59.4729	272.3032	0927173	148.1171	218.8979	13.96639820		29

1	12842U	81	93	A	81263.37256740	-.00000310	00000-0	00000 0 0	32
2	12842	59.4718	271.3776	0897417	148.4497	218.3193	14.02519741		66

1	12842U	81	93	A	81264.35316110	.26926130	63892-1	93287-1 0	54
2	12842	59.4703	268.1471	0798450	148.9964	215.9436	14.23168776		207

1	12842U	81	93	A	81264.43338721	.08058707	46949-1	70002-1 0	67
2	12842	59.4580	267.8715	0805987	149.3913	215.7089	14.24514481		212

1	12842U	81	93	A	81265.40844503	.05981618	10907-0	77702-1 0	77
2	12842	59.4492	264.5242	0712057	150.3475	214.0341	14.47279860		355

1	12842U	81	93	A	81265.75267934	.01477493	17552-0	88172-1 0	87
2	12842	59.4500	263.3234	0667376	150.7640	213.2597	14.57151585		402

1	12842U	81	93	A	81266.23107526	.01097250	18835-0	78229-1	0	97
2	12842	59.4311	251.6097	0618209	150.9197	212.9108	14.69764163			472
1	12842U	81	93	A	81255.90648806	-.01228150	23385-0	55003-1	0	119
2	12842	59.4139	259.0949	0538654	151.2503	211.5248	14.90132855			574
1	12842U	81	93	A	81267.24077876	.17330798	72559-5	59374-1	0	129
2	12842	59.4248	257.8955	0496677	151.8287	211.2597	15.01356724			622
1	12842U	81	93	A	81267.96658010	.24710166	10265-4	57559-1	0	131
2	12842	59.4041	255.0765	0371745	152.4894	214.3238	15.34054907			734
1	12842U	81	93	A	81268.28939532	.38342640	13988-4	61627-1	0	143
2	12842	59.4016	253.7673	0288689	152.9136	212.6025	15.56894337			789
1	12842U	81	93	A	81268.41716754	.47047231	43310-4	52467-1	0	156
2	12842	59.3924	253.2522	0244344	153.0615	208.6034	15.68778400			901
1	12842U	81	93	A	81268.60716710	.59547520	45765-4	45042-1	0	165
2	12842	59.3814	252.4414	0167859	151.1300	211.4104	15.91412710			833
1	12842U	81	93	A	81268.60716710	.59547520	45765-4	45042-1	0	176
2	12842	59.3814	252.4414	0167859	151.1300	211.4104	15.91412710			833
1	12842U	81	93	A	81268.67121250	.33970823	47607-4	39706-1	0	199
2	12842	59.3631	252.1791	0123690	155.3953	215.8716	16.05385139			847

81-93B

Kina 90, SKW-9

1	12843U	81 93	B	81263.15915636	-.00000295	00000-0	00000 0 0	15
2	12843	59.4732		272.0857 0946418	148.5612	217.5707	13.91064687	49
1	12843U	81 93	B	81263.44663480	.00215031	88683-5	15111-2 0	21
2	12843	59.4727		271.1651 0944401	148.7928	217.2976	13.91186304	85
1	12843U	81 93	B	81263.73410874	-.00000293	00000-0	00000 0 0	33
2	12843	59.4733		270.2298 0945083	149.2420	216.3566	13.91151526	112
1	12843U	81 93	B	81264.38079945	.00215170	89253-5	15112-2 0	54
2	12843	59.4727		268.1615 0943059	149.6513	216.2751	13.91492493	203
1	12843U	81 93	B	81264.38079952	.00214755	88022-5	15079-2 0	63
2	12843	59.4727		268.1615 0943062	149.6514	216.2753	13.91492315	203
1	12843U	81 93	B	81265.38658838	.00181814	72377-5	13639-2 0	95
2	12843	59.4719		264.9380 0941531	150.5505	215.2060	13.91821774	347
1	12843U	81 93	B	81265.74573710	.00153258	51148-5	11499-2 0	104
2	12843	59.4695		263.7835 0941068	150.9006	214.8025	13.91939702	399

1	12843U	81 93	B	81265.81756477	.00191765	77534-5	14460-2 0	129
2	12843	59.4706		263.5567 0940444	150.9384	214.7618	13.91984229	401
1	12843U	81 93	B	81266.32029882	.00178125	71472-5	13347-2 0	133
2	12843	59.4690		261.9388 0940127	151.3832	214.1803	13.92151360	477
1	12843U	81 93	B	81273.42357726	.00179927	73556-5	13463-2 0	295
2	12843	59.4698		239.0753 0928593	157.8960	206.4676	13.94724942	1469
1	12843U	81 93	B	81275.57343563	.00190087	77745-5	14219-2 0	347
2	12843	59.4703		232.1418 0924850	159.8570	204.1609	13.95551538	1763
1	12843U	81 93	B	81274.57032920	.00193091	78825-5	14501-2 0	329
2	12843	59.4709		235.3793 0926282	158.9303	205.2790	13.95177417	1623

81-93C

Kina 9, SKW-9

1	12844U	81 93	C	81263.22987929	-.00000298	00000-0	00000 0 0	11
2	12844	59.5225		271.9252	0937689	149.5298	214.3080 13.93356443	58
1	12844U	81 93	C	81263.44578787	.00361534	19326-4	25627-2 0	27
2	12844	59.5199		271.1118	0934447	148.7143	217.4465 13.93595940	94
1	12844U	81 93	C	81263.73256246	-.00000319	00000-0	00000 0 0	34
2	12844	59.4876		270.2645	0946362	150.5999	215.0072 13.93696743	114
1	12844U	81 93	C	81264.37786127	.00746306	73925-4	53809-2 0	53
2	12844	59.5207		268.1292	0929037	149.5686	216.2244 13.95069164	205
1	12844U	81 93	C	81264.44953409	.00717493	68448-4	50564-2 0	65
2	12844	59.5137		267.9077	0930126	149.6482	216.1936 13.95144512	210
1	12844U	81 93	C	81265.45225351	.00750982	75182-4	54283-2 0	91
2	12844	59.5203		264.6643	0921748	150.4966	215.1252 13.96647444	352
1	12844U	81 93	C	81265.73855180	.00777187	80538-4	53469-2 0	98
2	12844	59.5194		263.7431	0919260	150.7242	214.9143 13.97127847	393

1	12844U	81 93	C	81266.31093883	.00786356	82631-4	55902-2 0	104
2	12844	59.5187		261.9855 0915548	151.2257	214.2235	13.98007406	474
1	12844U	81 93	C	81273.43176508	.00919982	11761-3	63377-2 0	339
2	12844	59.5163		238.6283 0863017	157.8178	206.2505	14.10342449	1478
1	12844U	81 93	C	81275.55537794	.00992366	13295-3	53009-2 0	404
2	12844	59.5165		231.6122 0344908	159.8246	203.8335	14.14432434	1776
1	12844U	81 93	C	81276.26190545	.00988088	13830-3	66575-2 0	426
2	12844	59.5193		229.2739 0839865	160.4618	203.0723	14.15790289	1871
1	12844U	81 93	C	81274.56511786	.00976470	13367-3	56305-2 0	361
2	12844	59.5137		234.8889 0854035	158.8772	205.0344	14.12537682	1634

81-93D

Kona 9, SKW-9

1	12845U	81 93	D	81263.44623710	-.00000296	00000-0	00000 0 0	20
2	12845	59.4695		271.1505	0940488	149.6979	217.4471 13.92198020	87
1	12845U	81 93	D	81263.73346755	-.00000294	00000-0	00000 0 0	32
2	12845	59#9622		270.2380	0940399	149.1903	216.9809 13.92239260	116
1	12845U	81 93	D	81264.02061790	.00205172	84328-5	15384-2 0	44
2	12845	59.4620		269.3273	0938286	149.1497	216.7104 13.92535012	159
1	12845U	81 93	D	81264.37959162	.00246777	10713-4	13370-2 0	52
2	12845	59.4651		268.1639	0937755	149.4900	216.4313 13.92737700	201
1	12845U	81 93	D	81264.37959162	.00246940	10784-4	13383-2 0	67
2	12845	59.4651		268.1638	0937755	149.4898	216.4317 13.92737936	201
1	12845U	81 93	D	81265.45611004	.00271739	12326-4	20198-2 0	95
2	12845	59.4666		264.7014	0935225	150.4777	215.0501 13.93312650	354
1	12845U	81 93	D	81266.17362061	.00350727	18455-4	25379-2 0	114
2	12845	59.4647		262.3837	0935376	151.1326	214.4525 13.93637415	454
1	12845U	81 93	D	81263.22987929	-.00000298	00000-0	00000 0 0	12
2	12845	59.4662		271.8665	0942441	148.4067	213.0827 13.92121034	56

1 12845U 81 93 D 81273.84117092 .00147434 62170-5 10650-2 0 342
2 12845 59.4664 237.6390 0922579 158.1843 205.9715 13.96576528 1529

1 12845U 81 93 D 81275.55881701 .00190817 73959-5 13908-2 0 396
2 12845 59.4662 232.0860 0918610 159.7409 204.2589 13.97298251 1766

1 12845U 81 93 D 81274.48540066 .00182638 75669-5 13446-2 0 375
2 12845 59.4667 235.5630 0919914 158.7534 205.4642 13.96874516 1610

81-93E

Kina 9, SKW-9

1	12846U	81 93	E	81263.22987929	-.00000296	00000-0	00000 0 0	11
2	12846	59.4646		271.8692 0932938	148.1231	215.4723	13.93744170	54
1	12846U	81 93	E	81263.44558288	-.00000296	00000-0	00000 0 0	28
2	12846	59.4710		271.1597 0933948	148.4759	217.7473	13.93894811	91
1	12845U	81 93	E	81264.01926716	.00069303	39769-5	50824-3 0	43
2	12846	59.4698		269.3170 0932993	148.9604	216.6910	13.94007207	153
1	12846U	81 93	E	81264.30620566	.00112162	49667-5	83268-3 0	59
2	12846	59.4703		268.3872 0932286	149.2278	215.7077	13.94084741	191
1	12846U	81 93	E	81265.52527316	.00112196	49536-5	82037-3 0	92
2	12846	59.4705		264.4623 0932079	150.3546	215.3823	13.94341714	364
1	12846U	81 93	E	81265.74037849	.00069351	40738-5	51110-3 0	102
2	12846	59.4693		263.7682 0931975	150.5816	215.1125	13.94365397	392
1	12846U	81 93	E	81273.83726096	.00122943	53076-5	90313-3 0	294
2	12846	59.4669		237.6283 0922955	157.9537	206.4064	13.96284814	1528

1 12845U 81 93 E 31275.55544518 .00129957 54947-5 95589-3 0 323
2 12846 59.4678 232.0785 0920753 159.5171 204.5493 13.96745107 1735

81-93F

Kina 9, SKW-9

1	12847U	81	93	F	81263.22987929	-.00000304	00000-0	00000 0 0	12
2	12847	59.4329	271.9118	0941379	148.5139	213.9215	13.92965723		54
1	12847U	81	93	F	81263.44593282	-.00000297	00000-0	00000 0 0	23
2	12847	59.4299	271.1663	0936556	148.6881	217.5195	13.93153185		85
1	12847U	81	93	F	81263.73295721	-.00000297	00000-0	00000 0 0	33
2	12847	59.4300	270.2461	0937618	149.0315	216.9625	13.93135022		127
1	12847U	81	93	F	81264.37829284	.00681716	61831-4	50517-2 0	55
2	12847	59.4243	268.1869	0929404	149.4566	216.4170	13.94605512		203
1	12847U	81	93	F	81265.52462536	.00748630	74697-4	54453-2 0	87
2	12847	59.4261	264.4818	0923050	150.5359	215.1136	13.96272205		355
1	12847U	81	93	F	81265.73941144	.00746965	74418-4	54407-2 0	97
2	12847	59.4251	263.7869	0921523	150.7260	214.3803	13.96591096		391
1	12847U	81	93	F	81266.24040013	.00701252	65811-4	51257-2 0	108
2	12847	59.4217	262.1636	0918191	151.1783	214.3372	13.97280564		460

1 12847U 81 93 F 81273.57945836 .00875756 10601+3 60541-2 0 337
2 12847 59.4179 238.1604 0967406 158.2111 205.3634 14.09317858 1491

1 12847U 81 93 F 81275.55323689 .00939717 12374-3 64892-2 0 393
2 12847 59.4173 231.5965 0951110 160.1581 203.4725 14.12947521 1775

81-94A

Aureole 3

1	12848U	81 94	A	81264.54080053	.00000931	-65485-5	00000 0 0	11
2	12848	82.5245		224.5515 0412623	336.9602	21.3636	16.47457630	07

1	12848U	81 94	A	81264.99255564	.00000012	00000-0	00000 0 0	39
2	12848	82.5025		224.2958 1048293	144.1281	223.7648	13.16161357	24

1	12848U	81 94	A	81264.99255564	.00000012	00000-0	00000 0 0	40
2	12848	82.5025		224.2958 1048293	144.1281	223.7648	13.16161357	24

1	12848U	81 94	A	81265.29691315	.00000013	00000-0	00000 0 0	54
2	12848	82.5029		224.0591 1051935	143.2991	224.5192	13.15629826	61

1	12848U	81 94	A	81265.82930212	.00019490	00000-0	20300-2 0	62
2	12848	82.5042		223.6770 1051636	141.8997	225.1058	13.15647602	137

81-95A

Kosmos 1310

1	12952U	81 95	A	81266.51931779	-.00000101	00000-0	00000 0 0	12
2	12852	65.8359		102.9326	0033223	350.5607	9.4234 15.23002515	01
1	12952U	81 95	A	81267.11029842	-.00013916	00000-0	-57819-3 0	33
2	12852	65.8354		101.0759	0030054	350.7162	9.3669 15.23074790	114
1	12952U	81 95	A	81268.22558941	.00011195	00000-0	47394-3 0	47
2	12852	65.8348		97.5769	0030406	353.4033	9.7300 15.23101910	283
1	12952U	81 95	A	81274.20154364	.00014547	00000-0	60957-3 0	91
2	12852	65.8333		78.8382	0031096	346.7171	13.3142 15.23281365	1193

81-96A

SBS-2

1	12355U	81 96	A	81267.78144279	-.00003055	21117-4	00000 0 0	14
2	12955	27.7006		143.8890 7369064	179.1386	183.9913	2.21326680	11
1	12855U	81 96	A	81267.98011574	-.00003444	23311-4	00000 0 0	23
2	12955	27.5996		166.6761 7367989	179.0369	359.6837	2.21477405	12
1	12955U	81 96	A	81273.46472168	.00000117	00000-0	00000 0 0	49
2	12855	0.3125		280.1090 0015478	71.5486	8.3341	1.01083927	33
1	12855U	81 96	A	81280.38894513	.00000063	00000-0	00000 0 0	84
2	12955	0.2875		289.1901 0014717	58.7244	13.0615	1.01092085	109

81-97A

Kosmos 1311

1	12871U	81 97	A	81271.93201387	.00000019	00000-0	00000 0 0	19
2	12871	82.9936		350.6156 0040660	344.9998	14.7930	15.25468261	00
1	12871U	81 97	A	81273.30994493	.00018315	00000-0	71657-3 0	51
2	12871	82.9552		349.3301 0036606	341.4574	18.5330	15.25071524	06
1	12871U	81 97	A	81272.32574091	.00000019	00000-0	00000 0 0	30
2	12871	82.9527		350.2532 0038015	345.5297	14.4759	15.25048668	01
1	12871U	81 97	A	81272.32574091	.00000019	00000-0	00000 0 0	30
2	12871	82.9527		350.2532 0038015	345.5297	14.4759	15.25048668	01
1	12871U	81 97	A	81273.17872114	.00022397	00000-0	37522-3 0	44
2	12871	82.9557		349.4536 0036596	341.8985	15.1091	15.25070200	190
1	12871U	81 97	A	81273.30994493	.00018315	00000-0	71657-3 0	51
2	12871	82.9552		349.3301 0036606	341.4574	18.5330	15.25071524	219

81-98A

Kosmos 1312

1	12879U	81 98	A	81273.64081251	.00000004	00000-0	00000 0 0	13
2	12879	82.5891		155.7206 0008074		119.6683 240.5201	12.42078204	05
1	12879U	81 98	A	81273.72136210	.00000004	00000-0	00000 0 0	24
2	12879	82.5885		155.6655 0008021		122.2044 237.9967	12.42114408	15
1	12879U	81 98	A	81273.80190592	.00000004	00000-0	00000 0 0	37
2	12879	82.5918		155.6224 0007427		121.5386 238.6446	12.42127547	67
1	12879U	81 98	A	81274.04354445	.00000004	00000-0	00000 0 0	44
2	12879	82.6011		155.4797 0007800		121.6425 238.5507	12.42136485	95

81-99A

Kosmos 1313

1	12881U	81 99	A	81275.17756065	.00369910	67958-4	43495-3	0	51
2	12881	70.3510		185.8255 0035652	71.2449	287.1928	16.07053758		133
1	12881U	81 99	A	81275.67595305	.00376737	70643-4	43495-3	0	54
2	12881	70.3481		184.3717 0035927	69.4850	290.9393	16.07311508		214
1	12881U	81 99	A	81275.35266683	.00029940	00000-2	35102-4	0	74
2	12881	70.3648		183.8282 0034777	69.2669	291.0385	16.07146871		243
1	12881U	81 99	A	81276.23615114	.00030250	00000-2	35102-4	0	80
2	12881	70.3450		182.7322 0035888	71.3830	289.2201	16.07215034		305
1	12881U	81 99	A	81274.55635712	-.00000332	00000-0	00000 0 0		25
2	12881	70.3563		187.6409 0054561	68.8874	291.9240	16.09883171		33
1	12881U	81 99	A	81274.99130321	.00566670	65099-5	43495-3	0	45
2	12881	70.3452		186.3655 0063921	69.1908	291.6870	16.10114501		106
1	12881U	81 99	A	81277.16962609	.00152438	14111-4	17471-3	0	99
2	12881	70.3500		180.0075 0034491	67.1366	293.4737	16.07587681		451

1 12881U 81 99 A 81278.16509361 .00137948 12230-4 15583-3 0 107
2 12881 70.3484 177.0994 0033931 66.0410 294.3817 16.07862963 610

1 12881U 81 99 A 81279.16045011 .00137308 12154-4 15235-3 0 115
2 12881 70.3469 174.1870 0033830 64.2119 296.2572 16.08142348 774

1 12881U 81 99 A 81280.21781654 .00141967 12884-4 15480-3 0 124
2 12881 70.3475 171.0973 0033322 61.6072 298.8611 16.08443426 947

1 12881U 81 99 A 81281.21260069 .00144574 13414-4 15470-3 0 134
2 12881 70.3489 168.1861 0033262 59.7705 300.5743 16.09730956 1102

1 12881U 81 99 A 81282.26974922 .00165568 16595-4 17275-3 0 143
2 12881 70.3497 165.0995 0033142 57.6445 302.8108 16.09102658 1270

1 12881U 81 99 A 81283.26431077 .00151309 14563-4 15543-3 0 155
2 12881 70.3521 162.1792 0033110 54.9932 305.3402 16.09396173 1439

1 12881U 81 99 A 81284.32108126 .00085183 00000-0 90219-4 0 163
2 12881 70.3496 159.0854 0034118 60.4816 299.9728 16.08524039 1606

1 12881U 81 99 A 81282.45520456 .00161431 15523-4 18048-3 0 170
2 12881 70.3498 164.5379 0034930 63.2203 297.9979 16.07927381 1303

1 12881U 81 99 A 81284.75638024 .00186731 20025-4 19999-3 0 186
2 12881 70.3486 157.8075 0033191 59.9150 300.5322 16.08696451 1674

1 12881U 81 99 A 81285.25381085 .00184183 19431-4 19438-3 0 191
2 12881 70.3491 156.3541 0033766 59.1481 301.2819 16.08872649 1752

1 12881U 81 99 A 81287.24308684 .00147234 13887-4 15059-3 0 219
2 12881 70.3464 150.5308 0032955 55.6512 304.6411 16.09426019 2072

81-100 B

L/O SAT

1	12888U	81100	B	81279.98217655	-.000000030	00000-0	00000 0 0	14
2	12888	97.4617		242.4632	0003304	316.6672	42.2155 15.09406009	07
1	12888U	81100	B	81279.98227124	-.000000031	00000-0	00000 0 0	29
2	12888	97.4617		242.4637	0003210	315.7012	44.3987 15.09407168	91
1	12888U	81100	B	81280.24744298	.00018474	00000-0	11567-2 0	33
2	12888	97.4623		242.7237	0002215	314.0102	46.1187 15.09428322	135
1	12888U	81100	B	81281.24182345	.00015192	00000-0	95183-3 0	51
2	12888	97.4631		243.6917	0001396	317.2501	42.8824 15.09449349	285

81-100A

SME

1	12887U	81100	A	81279.51821950	-.00000032	00000-0	00000 0 0	35
2	12887	97.4687		242.0175	0003192	317.0446	43.0536 15.09377490	17
1	12887U	81100	A	81286.34477142	.00010273	00000-0	63807-3 0	95
2	12887	97.4578		249.6559	0001057	195.7025	164.4208 15.09866654	1249
1	12887U	81100	A	81280.24729887	.00006691	00000-0	41879-3 0	54
2	12887	97.4548		242.7237	0000745	258.3962	101.7325 15.09713431	129
1	12887U	81100	A	81281.30776433	.00008869	00000-0	55345-3 0	64
2	12887	97.4540		243.7549	0000704	239.4982	120.6183 15.09732615	289

81-101 A

Kosmos 1314

1	12895U	81101	A	81282.49873550	.00000085	00000-0	00000 0 0	03
2	12895	82.2827	204.3892	0013187	64.2088	296.0558	16.18338770	01
1	12895U	81101	A	81282.49873550	.00000085	00000-0	00000 0 0	14
2	12895	82.2827	204.3892	0013187	64.2088	296.0558	16.18338770	4659
1	12895U	81101	A	81282.74609987	.00000096	00000-0	00000 0 0	26
2	12895	82.3399	204.1384	0017016	101.4157	258.3745	16.18479468	00
1	12895U	81101	A	81283.73515926	.00283630	-13012-5	15728-3 0	43
2	12895	82.3403	202.9759	0016365	98.2453	261.4687	16.19105764	205
1	12895U	81101	A	81284.29135121	.00319572	-15874-5	17295-3 0	56
2	12895	82.3425	202.3210	0015685	99.6111	260.7294	16.19458268	294
1	12895U	81101	A	81285.21304185	.00356411	-19042-5	13348-3 0	57
2	12895	82.3453	201.2310	0015643	93.6413	266.6937	16.20112178	442
1	12895U	81101	A	81287.44235129	.00172093	00000-0	99999-4 0	95
2	12895	82.3519	198.5960	0004985	104.2262	255.1351	16.18831906	509

1	12995U	81101	A	81287.50430991	.00171752	00000-0	99999-4	0	109
2	12895	82.3405	198.5490	0005321	132.2853	227.3901	16.18800761		815
1	12995U	81101	A	81287.93700775	.00305154	-13468-5	17271-3	0	112
2	12895	82.3407	198.0383	0005007	109.0811	251.3902	16.19171966		880
1	12995U	81101	A	81288.24595374	.00309036	-14189-5	17232-3	0	126
2	12895	82.3431	197.6723	0005113	105.1484	255.0471	16.19368878		939
1	12995U	81101	A	81288.23448853	.00301893	-13237-5	18090-3	0	133
2	12895	82.3428	198.5100	0004951	174.3289	255.8427	16.19967298		297
1	12895U	81101	A	81291.14893362	.00324792	-17647-5	15663-3	0	153
2	12895	82.3522	194.2456	0013441	16.3057	343.7729	16.21040717		605
1	12895U	81101	A	81291.21044431	.00267005	-15083-5	15663-3	0	163
2	12895	82.3527	194.1678	0016200	54.6389	304.3255	16.18358107		614
1	12895U	81101	A	81291.51983504	.00038253	00000-0	22449-4	0	180
2	12895	82.3394	193.8212	0013175	53.9340	306.4522	16.18474057		660
1	12895U	81101	A	81291.76712712	.00363251	-15038-5	20937-3	0	191
2	12895	82.3461	193.5339	0013574	56.2715	304.1219	16.18713221		709
1	12895U	81101	A	81291.75712712	.00363251	-15038-5	20937-3	0	203
2	12895	82.3461	193.5339	0013574	56.2715	304.1219	16.18713221		709
1	12895U	81101	A	81293.00319557	.00291724	-17520-5	15954-3	0	213
2	12895	82.3405	192.0759	0013274	50.5690	309.3789	16.19413953		903.

81-101 A

Kosmos 1314

forts. 1

1	12895U	81101	A	81293.18862062	.00313323	-16808-5	15951-3	0	228
2	12895	82.3394		191.8561	0013272	52.1410	308.1540	16.19559241	930

1	12895U	81101	A	81293.18862062	.00313323	-16808-5	15951-3	0	239
2	12895	82.3394		191.8561	0013272	52.1410	308.1540	16.19559241	1739

1	12895U	81171	A	81294.11524586	.00335585	-17790-5	17326-3	0	242
2	12895	82.3353		190.7677	0011554	49.7792	310.5197	16.20229579	1887

1	12895U	81101	A	81294.36227064	.00387231	-17175-5	19623-3	0	255
2	12895	82.3429		190.4780	0012721	46.5696	313.6708	16.20433888	1925

1	12895U	81101	A	81294.54752492	.00351587	-17020-5	17664-3	0	261
2	12895	82.3405		190.2597	0013130	46.9914	313.1936	16.20528356	1952

81-102A

Стационар-Радуга 10

1	12896U	81102	B	81282.94508642	-.00008489	59734-4	00000 0 0	13
2	12898	51.6179	281.1686	0004903	209.7321	150.3439	16.31181320	02

1	12899U	81102	C	81292.94503642	-.00009549	59006-4	00000 0 0	14
2	12899	51.6104	281.1908	0006957	126.6588	232.7499	16.34343639	10

1	12897U	81102	A	81281.69545979	-.00000072	00000-0	00000 0 0	16
2	12897	0.0720	219.0684	0000011	27.9166	113.0449	0.99753546	12

1	12897U	81102	A	81296.70298147	-.00000164	00000-0	00000 0 0	27
2	12897	0.3313	245.5222	0025448	285.0387	189.5182	1.00292281	63

1	12897U	81102	A	81292.69588385	-.00000158	00000-0	00000 0 0	32
2	12897	0.4331	273.7147	0005781	188.2972	257.3204	1.00279752	129

81-103A

Kosmos 1315

1	129030	81103	A	81286.95023095	.00000009	00000-0	00000 0 0	15
2	12903	81.1881		31.5674 0028438	21.8385	339.4026	14.74974364	18
1	129030	81103	A	81287.15374310	.00000009	00000-0	00000 0 0	21
2	12903	81.1902		31.3451 0028292	20.5056	339.7272	14.74966299	49
1	129030	81103	A	81287.22158126	-.00017096	00000-0	-25435-2 0	33
2	12903	81.1868		31.2715 0028171	21.0726	339.1655	14.74972607	59
1	129030	81103	A	81287.22158126	-.00017096	00000-0	-25435-2 0	44
2	12903	81.1868		31.2715 0028171	21.0726	339.1655	14.74972607	59
1	129030	81103	A	81287.22158126	-.00017096	00000-0	-25435-2 0	55
2	12903	81.1868		31.2715 0028171	21.0726	339.1655	14.74972607	37
1	129030	81103	A	81293.30699851	.00009189	00000-0	13548-2 0	65
2	12903	81.1873		30.0395 0028045	17.8741	342.4444	14.74990187	192

81-104A

Kosmos 1316

1	12905U	81104	A	81288.44314061	-.00000296	00000-3	00000 0 0	34
2	12905	70.3554	205.5400	0131919	62.5009	298.6574	15.92333181	07

1	12905U	81104	A	81289.07137261	-.20000225	00000-0	00000 0 0	53
2	12905	70.3484	203.7472	0107149	63.1500	297.2936	15.90253939	107

1	12905U	81104	A	81289.50796277	-.00000236	00000-0	00000 0 0	61
2	12905	70.3353	202.4803	0034192	69.8277	290.6827	16.05990728	172

1	12905U	81104	A	81292.18381359	.00149393	13689-4	16966-3 0	94
2	12905	70.3368	194.6570	0033256	65.4985	294.9657	16.07821529	603

1	12905U	81104	A	81293.24138411	.00155399	14711-4	17308-3 0	103
2	12905	70.3378	191.5649	0032787	63.3106	297.1554	16.08148982	772

1	12905U	81104	A	81294.36091711	.00207227	23577-4	22356-3 0	117
2	12905	70.3349	198.2858	0033216	59.7664	300.7588	16.08573706	955

1	12905U	81104	A	81294.79619814	.00137983	12551-4	14836-3 0	120
2	12905	70.3357	187.0132	0033125	58.5692	301.8532	16.08672775	1029

1	12905U	81104	A	81295.35582437	.00163003	16715-4	17805-3	0	136
2	12905	70.3354		185.3739 0032882	58.2958	302.2445	16.08834024		1110

1	12905U	81104	A	81297.84213990	.00131615	11946-4	13336-3	0	165
2	12905	70.3337		178.0870 0031629	53.1014	307.1797	16.09677596		1515

1	12905U	81104	A	81298.27713793	.00117455	98938-5	13336-3	0	175
2	12905	70.3310		175.8140 0036133	56.3154	292.3879	16.07640934		1585

1	12905U	81104	A	81298.27715793	.00117455	98938-5	13336-3	0	187
2	12905	70.3310		175.8140 0036133	56.3154	292.3879	16.07640934		1585

1	12905U	81104	A	81297.22051649	.00183752	19338-4	18728-3	0	155
2	12905	70.3335		179.9094 0031999	54.5149	305.5036	16.09536809		1412

1	12905U	81104	A	81296.28834355	.00230466	28871-4	23395-3	0	145
2	12905	70.3367		182.6447 0031885	56.3199	304.1529	16.09261989		1269

1	12905U	81104	A	91301.32549981	.00140554	12903-4	15080-3	0	216
2	12905	70.3322		167.8940 0035200	59.3990	300.5570	16.08546206		2078

81-105A

Molniya 35

1	12915U	81105	A	81290.30563090	-.00000070	00000-0	99999-4 0	10
2	12915	62.6944		65.6064 7409855	288.0620	12.7924	1.95472750	17
1	12915U	81105	A	81291.32356411	.00000047	00000-0	99999-4 0	24
2	12915	62.8156		65.3709 7409801	288.1267	9.3097	1.95571895	32
1	12915U	81105	A	81291.32356399	.00000047	00000-0	99999-4 0	30
2	12915	62.8131		65.3752 7409803	288.1260	9.3094	1.95571952	30
1	12915U	81105	A	81298.39514997	.00000102	00000-0	00000 0 0	92
2	12915	62.8214		64.2577 7367616	288.1897	9.5348	2.00438247	170

81-106

Vencera 13

1	12928U	81105	B	81303.67369945	-.00009551	58938-4	00000 0 0	22
2	12928	51.5442		135.6306 0032139	-3.9080	356.0825	16.34352833	72
1	12928U	81105	B	81303.79592601	.12817577	59448-4	40664-3 0	32
2	12928	51.5574		135.9485 0048585	349.0684	11.1194	16.37847572	95
1	12928U	81105	F	81304.03945134	.12878424	60838-4	23802-3 0	53
2	12928	51.5632		134.4849 0029795	347.0977	12.3968	16.44103031	135
1	12929U	81106	C	81303.73486543	-.00008584	59217-4	00000 0 0	00
2	12929	51.5581		136.2825 0039551	352.9406	7.3093	16.35629945	02
1	12929U	81106	C	81303.73486543	-.00008584	59217-4	00000 0 0	11
2	12929	51.5581		136.2825 0039551	352.9406	7.3093	16.35629945	80
1	12929U	81106	C	81303.79595079	.09428654	59310-4	74333-3 0	23
2	12929	51.5219		135.9118 0025710	339.7019	21.0949	16.37745542	91
1	12929U	81106	C	81303.97867407	.11453997	60622-4	39725-3 0	37
2	12929	51.5230		134.8825 0021692	341.3771	18.8841	16.41975996	122

81-107

IMEWS 12 [Titan 3C]

1	12931U	81107	E	81304.43900223	.00004059	-27916-4	00000	0	0	13
2	12931	29.3229	354.6620	0200701	120.3360	241.7290	15.94344421	.	.	17

81-108A

Kosmos 1317

1	12933U	81108	A	81305.00427759	-.00000537	00000-0	00000 0 0	33
2	12933	62.8727	333.0411	7397385	316.1330	4.6055	1.98420265	27
1	12933U	81108	A	81306.01193230	-.00000447	00000-0	00000 0 0	67
2	12933	62.8795	332.9007	7397287	316.1267	4.7599	1.98468237	45

81-109A

Kosmos 1318

1	12936U	81109	A	81307.59478509	-.00004066	23194-4	00000 0 0	13
2	12936	67.1435		224.0948 0135965	70.5373	291.0548	16.04704632	10

1	12936U	81109	A	81307.65711157	-.00004033	27937-4	00000 0 0	23
2	12936	67.1401		223.8864 0136190	70.2955	291.2307	16.04692886	25

1	12936U	81109	A	81307.79174595	-.00004018	27394-4	00000 0 0	33
2	12936	67.1425		223.4644 0135628	71.6974	289.3835	16.04884415	40

1	12936U	81109	A	81307.79174595	-.00004018	27394-4	00000 0 0	49
2	12936	67.1425		223.4644 0135628	71.6974	289.3835	16.04884415	40

1	12936U	81109	A	81308.09335350	-.00004037	27965-4	00000 0 0	53
2	12936	67.1455		222.4207 0133535	71.6507	293.3734	16.05229926	90

1	12936U	81109	A	81308.15537473	.00738529	27820-4	30854-3 0	62
2	12936	67.1437		222.2075 0133264	70.1150	292.1425	16.05706045	127

1	12936U	81109	A	81309.21783353	.00901039	27322-4	35152-3 0	73
2	12936	67.1441		221.9993 0132651	70.2145	291.3451	16.05852614	114

1	12936U	81109	A	81309.15158862	.00937703	27939-4	33925-3 0	85
2	12936	67.1455	218.2539	0128708	69.0902	291.3953	15.07385332	263

1	12936U	81109	A	81309.21399736	.00818740	23179-4	29706-3 0	93
2	12936	67.1468	218.6449	0128381	68.9717	292.5879	16.07429776	278

1	12936U	81109	A	81311.01647848	.00942885	27991-4	23945-3 0	127
2	12936	67.1489	212.5495	0119251	67.2127	294.5054	16.10854929	554

1	12936U	81109	A	81311.26474142	.00969120	26187-4	29207-3 0	131
2	12936	67.1480	211.7048	0117496	67.0796	294.3636	16.11377566	595

1	12936U	81109	A	81312.07116137	.01021593	27752-4	29347-3 0	145
2	12936	67.1099	209.0379	0157853	71.6569	287.9962	16.03459548	725

1	12936U	81109	A	81312.13391244	.00406671	27593-4	12127-3 0	153
2	12936	67.1123	209.3262	0156473	71.7933	290.0343	16.03478194	739

1	12936U	81109	A	81312.44575397	.00966613	27719-4	33446-3 0	173
2	12936	67.1432	207.7094	0147201	74.0417	298.0057	16.04039089	793

1	12936U	81109	A	81313.97859205	.00988647	29064-4	31103-3 0	190
2	12936	67.1535	202.8859	0138464	72.7637	298.5351	16.06718715	1019

1	12936U	81109	A	81314.31427856	.00956350	27514-4	28444-3 0	204
2	12936	67.1409	201.4167	0136995	72.1395	299.4146	15.07538187	1090

1	12936U	81109	A	81315.17847984	.01392450	28191-4	33964-3 0	249
2	12936	67.1433	195.1010	0124553	70.8365	290.6990	16.11932703	1387

81-109A

Kosmos 1318

part 1

1	12936U	81109	A	81317.29426260	.01297538	28036-4	24783-3	0	256
2	12936	67.1535		181.2924 0116031	69.6019	291.8401	16.15059885		1566
1	12936U	81109	A	81318.03693894	.01443720	28692-4	22090-3	0	264
2	12936	67.1400		189.7618 0112351	69.3170	292.3742	16.17248638		1667
1	12936U	81109	A	81318.28419990	.00343822	27391-4	22090-3	0	273
2	12936	67.1344		187.9313 0170014	86.7259	281.3674	16.99120370		1723
1	12936U	81109	A	81319.03658545	.01047861	27682-4	35300-3	0	282
2	12936	67.1443		185.4217 0164066	88.5666	273.7259	16.00453331		1842
1	12936U	81109	A	81319.28646480	.00917128	27685-4	31304-3	0	293
2	12936	67.1397		184.5855 0162118	88.4373	273.4614	16.00952527		1885
1	12936U	81109	A	81320.34793850	.00876627	27638-4	27542-3	0	308
2	12936	67.1376		181.0198 0157113	86.7496	275.2295	16.02825202		2057
1	12936U	81109	A	81321.15877269	.00928015	27444-4	27503-3	0	316
2	12936	67.1424		178.3264 0152348	86.2929	275.7208	16.04357253		2193
1	12936U	81109	A	81321.40807376	.01166969	28347-4	27503-3	0	324
2	12936	67.0142		177.1459 0127532	64.8950	301.9825	16.11553076		2228
1	12936U	81109	A	81322.33746390	.01524907	28601-4	25633-3	0	336
2	12936	67.1371		174.3014 0123062	77.9180	283.6923	16.13994257		2376

1	12936U	81109	A	81323.45169726	.01600223	28673-4	19572-3	0	344
2	12936	67.1356		170.4923 0113474	76.8496	284.5403	16.17499505		2552
1	12936U	81109	A	81325.17973308	.02503994	29102-4	13067-3	0	362
2	12936	67.1295		134.5534 0093395	76.3651	285.2401	16.24324133		2837
1	12936U	81109	A	81325.24122252	.02598745	29233-4	13067-3	0	370
2	12936	67.1363		164.3333 0093379	75.5411	285.5621	16.24611166		2843
1	12936U	81109	A	81325.67194179	.02295944	29182-4	13612-3	0	393
2	12936	67.1323		162.8398 0088470	75.2148	285.3490	16.26477507		2914
1	12936U	81109	A	81325.67194179	.02295844	29182-4	13612-3	0	394
2	12936	67.1323		162.8398 0088470	75.2148	285.3490	16.26477507		2914
1	12936U	81109	A	81325.67194766	.03583367	29183-4	20379-3	0	403
2	12936	67.1345		162.8399 0086839	75.7549	285.3494	16.26613878		2915
1	12936U	81109	A	81325.10194522	.01754182	29294-4	20379-3	0	414
2	12936	67.1192		161.3993 0097269	93.3671	259.5472	16.21336928		2969
1	12936U	81109	A	81326.22672413	.01345014	29203-4	18389-3	0	421
2	12936	67.1346		160.9264 0098236	39.2353	271.2331	16.21619988		3009
1	12936U	81109	A	81327.02765992	.02565455	29945-4	18389-3	0	433
2	12936	67.1261		159.1462 0090276	88.3913	272.3188	16.26126354		3135
1	12936U	81109	A	81327.51951565	.00520224	23519-4	18389-3	0	448
2	12936	67.0504		156.6131 0104365	113.7279	228.6497	16.14122336		3210

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Kosmos 1318

forts. 2

1	12936U	81109	A	81327.58483087	.00636082	28267-4	19389-3	0	452
2	12936	67.1313		156.2573	0105525	113.9345	247.2956	16.14139989	3220
1	12936U	81109	A	81327.95655956	.01023234	28708-4	28469-3	0	460
2	12936	67.1333		154.9797	0102270	113.7841	247.3689	16.15107494	3290
1	12936U	81109	A	81328.14223803	.01103135	28528-4	29565-3	0	474
2	12936	67.1306		154.3493	0101641	113.3133	244.9491	16.15544971	3314
1	12936U	81109	A	81329.20412784	.01113837	28504-4	29324-3	0	486
2	12936	67.1255		154.1349	0101982	114.5042	246.6259	16.15677472	3323
1	12936U	81109	A	81329.81172526	.01321175	28705-4	28449-3	0	509
2	12936	67.1266		148.6287	0090268	111.6575	249.5901	16.19743679	3587
1	12936U	81109	A	81329.87344303	.00657624	27937-4	28449-3	0	516
2	12936	67.1331		148.4201	0140548	135.7636	223.3347	16.03218725	3594
1	12936U	81109	A	81330.43515920	.00799118	28049-4	33282-3	0	525
2	12936	67.1354		146.5390	0137396	134.9231	226.4637	16.04111063	3698
1	12936U	81109	A	81331.18307119	.00760029	27790-4	31506-3	0	537
2	12936	67.1303		144.0171	0133233	134.9848	227.0616	16.05258000	3606
1	12936U	81109	A	81331.24538857	.00768143	27457-4	31397-3	0	545
2	12936	67.1303		143.3076	0132874	133.9397	227.2806	16.05351043	3619

1	12936U	81109	A	81333.36124638	.00843927	28245-4	30040-3	0	585
2	12936	67.1341		136.6653 0121470	130.8528	230.3449	16.08995341		4158
1	12936U	81109	A	81332.05493794	.00769712	27495-4	29789-3	0	552
2	12936	67.1347		141.0790 0128379	132.6599	228.5335	16.06797294		3942
1	12936U	81109	A	81332.05493794	.00821428	28161-4	32287-3	0	564
2	12936	67.1357		141.0713 0127631	132.1508	229.0240	16.06790559		3943
1	12936U	81109	A	81334.23110913	.00901479	28457-4	29954-3	0	598
2	12936	67.1297		133.7199 0116757	129.9830	231.3779	16.10594703		4290
1	12936U	81109	A	81334.97593101	.00974699	28552-4	29954-3	0	607
2	12936	67.1290		131.1891 0113325	129.2991	231.9218	16.12017092		4413
1	12936U	81109	A	81335.28611480	.00928193	28411-4	27908-3	0	610
2	12936	67.1295		130.1374 0111539	128.6149	232.4608	16.12577491		4464
1	12936U	81109	A	81335.78217010	.01051492	28060-4	30330-3	0	621
2	12936	67.1335		129.4477 0108131	127.9994	233.2416	16.13631739		4540
1	12936U	81109	A	81337.57735323	.01751115	28625-4	40759-3	0	635
2	12936	67.1270		122.3077 0095099	125.6724	235.3754	16.17927048		4837

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Venera 14

1	12941U	81110	C	91308.95559805	.06834183	59847-4	31666-3	0	02
2	12941	51.5742	131.5088	0017164	291.4922	68.2565	16.41375065		07

81-111A

STS 2

1	12953U	81111	A	81316.66193009	.01880175	35409-2	11105-2 0	11
2	12953	38.0321		155.9432 0007031	262.6057	302.2354	16.19349666	01
1	12953U	81111	A	81316.69351937	.01777004	29994-2	11105-2 0	24
2	12953	38.0233		155.6859 0035533	310.9665	49.9175	16.17535248	02
1	12953U	81111	A	81316.95311979	.01265574	12723-2	11105-2 0	31
2	12953	38.0332		153.9933 0021173	136.3459	355.9549	16.11790120	59
1	12953U	81111	A	81317.30932026	.00823423	36563-3	11105-2 0	52
2	12953	38.0407		151.4995 0012240	253.4809	106.4642	16.25413264	115
1	12953U	81111	A	81317.62275694	.00817449	36142-3	11105-2 0	60
2	12953	38.0359		149.3441 0008258	269.5750	111.4756	16.05390309	163
1	12953U	81111	A	81317.61929048	.00031823	00000-0	42969-4 0	71
2	12953	39.2328		149.3639 0007335	263.6420	96.1443	16.05327967	163
1	12953U	81111	A	81319.30342202	.000422743	95946-4	57651-3 0	84
2	12953	38.0381		144.6935 0008065	268.9671	90.7568	16.05226398	270

1	12953U	81111	A	81318.73986215	-.00247768	00000-0	-35357-3	0	98
2	12953	38.0313	141.7154	0006890	273.9083	36.0340	16.05213049		348
1	12953U	81111	A	81313.85277777	.06159210	16990-4	11105-2	0	109
2	12953	38.1289	140.4137	0196616	118.9665	130.6954	16.53531326		365

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Kosmos 1319

1	12954U	81112	A	81317.45382298	-.00000298	00000-0	00000 0 0	18
2	12954	70.3489		237.9140 0127441	69.2195	293.6750	15.93793474	19
1	12954U	81112	A	81317.57907745	-.00000302	00000-0	00000 0 0	39
2	12954	70.3566		237.5542 0126448	67.4340	294.0192	15.93781916	38
1	12954U	81112	A	81317.70460541	-.00000301	00000-0	00000 0 0	42
2	12954	70.3561		237.2061 0126333	67.1130	294.3518	15.93800807	49
1	12954U	81112	A	81318.20670911	-.00000102	00000-0	00000 0 0	51
2	12954	70.3709		235.8021 0040197	212.6095	137.6920	15.62056566	129
1	12954U	81112	A	81318.33772611	-.00001545	00000-0	-55782-3 0	69
2	12954	70.3656		235.4492 0048980	212.1595	147.7101	15.62049215	148
1	12954U	81112	A	81319.36232371	.00029804	00000-0	31924-3 0	78
2	12954	70.3623		232.6532 0050019	210.5272	149.3354	15.62107435	307
1	12954U	81112	A	81320.38690283	.00015556	00000-0	16788-3 0	83
2	12954	70.3648		229.8565 0049797	208.8103	151.0343	15.62123355	466

1	12954U	81112	A	81321.28339620	.00008972	00000-0	96621-4 0	98
2	12954	70.3666		227.4094 0049783	206.6834	153.1391	15.62136207	621

1	12954U	81112	A	81321.28339620	.00008972	00000-0	96621-4 0	100
2	12954	70.3666		227.4094 0049783	206.6834	153.1391	15.62136207	612

1	12954U	81112	A	81322.24392763	.00011774	00000-0	12750-3 0	119
2	12954	70.3660		224.7991 0049793	205.1087	154.7910	15.62162260	763

1	12954U	81112	A	81323.39652972	.00011774	00000-0	12750-3 0	128
2	12954	70.3652		221.6390 0049280	203.3492	156.5437	15.62189665	948

1	12954U	81112	A	81324.29298764	.00009817	00000-0	10662-3 0	139
2	12954	70.3653		219.1914 0049268	201.6922	158.1973	15.62204143	1081

1	12954U	81112	A	81325.25347287	.00007429	00000-0	60128-4 0	144
2	12954	70.3660		216.5678 0048960	199.8587	160.0504	15.62218069	1236

1	12954U	81112	A	81325.25347287	.00007429	00000-0	60128-4 0	156
2	12954	70.3660		216.5678 0048960	199.8587	160.0504	15.62218069	1036

1	12954U	81112	A	81326.06528847	.00007017	00000-0	75665-4 0	160
2	12954	70.3697		214.2936 0049201	198.3646	161.5689	15.62227121	1360

1	12954U	81112	A	81327.23846154	.00007014	00000-0	75665-4 0	173
2	12954	70.3630		211.1454 0046774	196.7444	163.2191	15.62241720	1647

1	12954U	81112	A	81328.26294158	.00005634	00000-0	60936-4 0	181
2	12954	70.3665		208.3489 0049038	194.9745	165.0238	15.62258080	1707

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Kosmos 1319

forts. 1

1	12954U	81112	A	81330.37591298	.00007480	00000-0	30435-4 0	202
2	12954	70.3650	202.5803	0048830	190.8824	169.1456	15.62294460	2035

1	12954U	81112	A	81331.14425302	.00004108	00000-0	44683-4 0	215
2	12954	70.3645	202.4819	0048706	190.3055	170.0199	15.62302853	2164

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Molniya 1 BC

1	12959U	81113	A	81321.69421677	-.00000020	00000-0	00000	0 0	13
2	12959	62.6088	237.9595	7394089	279.9328	11.4108	2.05117380		13

1	12960U	81113	P	81321.75602150	-.00000024	00000-0	00000	0 0	19
2	12960	62.7826	237.7113	0148438	135.3578	226.7235	15.38708061		17

81-114A

RCA-Satcom 3R

1	129673	81114	A	81323.87422635	-.00001140	18331-4	99999-4	0	19
2	12967	27.3898		257.7617	7304967	178.0816	188.5774	2.29189330	02

1	129673	81114	A	81324.75141020	-.70401216	18436-4	99099-4	0	49
2	12967	07.5105		257.4335	7297768	178.0050	191.3730	2.29446805	27

1	129673	81114	A	81325.18079666	-.00000037	00000-0	00000	0	0	51
2	12967	2.3018		261.2883	0074672	49.3773	49.2648	0.97403519	29	

1	129673	81114	A	81327.20149595	-.00000096	00000-0	00000	0	0	71
2	12967	0.7992		259.4447	0069368	232.4454	229.3059	1.01499817	21	

81-115A

Bhaskara 2

1	12968U	81115	A	81324.40414879	-.00000151	00000-0	00000 0 0	17
2	12968	50.6357	121.2244	0015753	63.0042	297.2633	15.11248962	03
1	12968U	81115	A	81324.65830590	-.00000151	00000-0	00000 0 0	22
2	12968	50.6362	119.9641	0015885	62.8880	297.3703	15.11453229	07
1	12968U	81115	A	81324.80093175	-.00000151	00000-0	00000 0 0	28
2	12968	50.6362	119.9641	0015885	62.8880	297.3703	15.11453229	41
1	12968U	81115	A	81324.80093175	.00137611	00000-0	79547-2 0	30
2	12968	50.6364	119.3335	0015835	63.7357	296.5338	15.11550007	62

81-116 A-J

Kosmos 1320-1327

1	12975U	81116	A	81333.63277690	-.00000006	00000-0	00000 0 0	31
2	12975	73.9699		346.5530	0098581	259.7525	99.3764 12.27840389	115
1	12976U	81116	B	81333.63277597	-.00000006	00000-0	00000 0 0	37
2	12976	73.9992		346.5262	0090496	262.0506	99.0989 12.28141933	117
1	12977U	81116	C	81333.45975863	-.00000006	00000-0	00000 0 0	54
2	12977	73.9843		346.7787	0093801	259.5399	100.9200 12.28484495	95
1	12978U	81116	D	81333.53274840	-.00000006	00000-0	00000 0 0	27
2	12978	73.9250		346.5380	0097786	259.7134	99.2937 12.27844752	111
1	12979U	81116	E	81333.63277587	-.00000006	00000-0	00000 0 0	29
2	12979	73.9923		346.5572	0087194	261.1116	103.0610 12.29509091	113
1	12980U	81116	F	81333.46976854	-.00000006	00000-0	00000 0 0	25
2	12980	73.9700		346.7231	0087015	259.8752	104.0089 12.29877731	91
1	12981U	81116	G	81333.46976863	-.00000006	00000-0	00000 0 0	37
2	12981	73.9837		346.7634	0083119	257.1253	108.4442 12.30647212	90

1	12982U	81116	H	81333.55127304	-.00000006	00000-0	00000 0 0	35
2	12982	73.9350		343.6496	0077733-	261.3183	107.4594 12.31450307	103
1	12983U	81116	J	81333.71703639	.00000005	00000-0	99999-4 0	47
2	12983	73.9811		346.4520	0118338	263.7051	95.0465 12.23938245	122

81-117A

Kosmos 1328

1	12987U	81117	A	91337.81997259	.00000011	00000-2	73000 0 2	12
2	12987	82.5465	275.5623	0017530	266.2272	73.7022	14.73501791	53

81-118A

Kosmos 1329

1	129890	81118	A	81333.40420500	.00000000	00000-0	00000-0	0	00022
2	12989	865.0169		256.7174	0023960	055.3601	304.9811	16.09949718000000	

1	129890	81118	A	81333.40420500	.00000000	00000-0	00000-0	0	00022
2	12989	865.0169		256.7174	0023960	055.3601	304.9811	16.09949718000000	

1	129890	81118	A	81333.46631499	.05622598	00000-0	00000-0	0	00013
2	12989	865.0278		256.5311	0019639	051.2089	309.0929	16.101722950000017	

1	129890	81118	A	81333.46631499	.05622598	00000-0	00000-0	0	00013
2	12989	865.0278		256.5311	0019639	051.2089	309.0929	16.101722950000017	

1	129890	81118	A	81339.09750092	-.00000432	00000-0	00000	0	27
2	12989	85.0214		254.1982	0020333	48.5685	311.4806	16.10040708	114

1	129890	81118	A	81339.27383275	-.00000432	00000-0	00000	0	34
2	12989	85.0225		253.5129	0019531	49.5655	312.7762	16.10108965	149

1	12989U	81118	A	81347.14342179	.00155398	17713-4	15629-3	0	43
2	12989	65.0197	257.3292	0019963	48.4133	312.3649	16.10424194		264

1	12989U	81118	A	81340.26751686	.00152356	17350-4	15301-3	0	53
2	12989	65.0200	249.8532	0019803	48.4452	311.8343	16.10440641		309

1	12989U	81118	A	81340.51591171	.00149915	17003-4	14964-3	0	64
2	12989	65.0197	248.9370	0020107	48.5173	311.7706	16.10519999		345

1	12989U	81118	A	81341.44728238	.00160633	18837-4	16725-3	0	76
2	12989	65.0212	245.5061	0019710	48.0244	312.2744	16.10819054		490

1	12989U	81118	A	81342.26432392	.00156371	18373-4	16098-3	0	82
2	12989	65.0195	242.6327	0020000	47.6268	312.6194	16.11082961		621

1	12989U	81118	A	81343.24745092	.00160579	19092-4	15093-3	0	91
2	12989	65.0225	238.8687	0020366	46.5813	313.7122	16.11387381		781

1	12989U	81118	A	81344.24036441	.00175267	21751-4	16089-3	0	101
2	12989	65.0205	235.2016	0019823	46.3634	314.0228	16.11750947		941

1	12989U	81118	A	81346.03941847	.00166900	20725-4	14687-3	0	122
2	12989	65.0198	228.5565	0020123	41.7599	312.4063	16.12356537		1233

1	12989U	81118	A	81346.34955691	.00172318	21691-4	15093-3	0	134
2	12989	65.0196	227.4113	0019352	43.6201	316.6725	16.12474099		1288

1	12989U	81118	A	81347.09375201	.00147084	16829-4	15083-3	0	140
2	12989	65.0210	224.6576	0026564	68.5202	290.5925	16.09774381		1406

1	12989U	81118	A	81347.09375201	.00147084	16829-4	15083-3	0	151
2	12989	65.0210	224.6576	0026564	68.5202	290.5925	16.09774381		1406

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Kosmos 1329

forts. 1

1	12989U	81118	A	81348.15000549	.00158272	13642-4	15959-3	0	168
2	12989	65.0171	220.7683	0025447	59.3955	290.9294	15.10030737		1572
1	12989U	81118	A	81349.01953336	.00125938	13306-4	15959-3	0	171
2	12989	65.0199	217.5679	0043066	52.0917	307.1895	15.05327215		1715
1	12989U	81118	A	81349.01953336	.00125835	13320-4	15959-3	0	184
2	12989	65.0201	217.5675	0043135	52.1969	307.0855	15.05309435		1719
1	12989U	81118	A	81349.26893358	.00126359	13289-4	15959-3	0	195
2	12989	65.0189	216.6525	0043402	51.3053	309.1721	16.05346583		1754
1	12989U	81118	A	81350.32789567	.00107584	11623-4	13470-3	0	207
2	12989	65.0197	212.7795	0042910	50.7881	309.6192	16.05574822		1929
1	12989U	81118	A	81351.25217235	.00107836	11554-4	13346-3	0	217
2	12989	65.0194	209.3609	0042663	50.4780	309.9829	16.05772802		2077

81-119A

Intelsat 5 F-3

1	12994U	81119	A	81350.30194444	.00001140	18533-4	99999-4	0	11
2	12994	23.6957	258.9699	7321831	179.0105	1.2604	2.27353772		08
1	12994U	81119	A	81350.22415617	.00002442	00000-0	99999-4	0	24
2	12994	23.3562	258.7141	7294941	179.2314	195.0130	2.28341562		19
1	12994U	81119	A	81357.56555370	.00000141	00000-0	99999-4	0	37
2	12994	0.3337	285.4170	0035386	329.0789	105.1158	1.00043750		59

81-120A-F

Radio 3-7

1	12997U	81120	A	81352.02675210	.00000004	00000-0	00000 0 0	64
2	12997	82.9538		278.8538 0074753	259.6029	99.6642	11.91433923	75
1	12999U	81120	B	81352.02193108	.00000004	00000-0	00000 0 0	33
2	12999	82.9571		279.9339 0018049	215.0743	144.9230	12.02908550	74
1	12999U	81120	C	81352.02102970	.00000004	00000-0	00000 0 0	31
2	12999	82.9595		278.9737 0009501	174.2401	185.8737	12.05029252	79
1	13000U	81120	D	81352.02038146	.00000004	00000-0	00000 0 0	49
2	13000	82.9621		279.9753 0017871	145.1030	215.1242	12.06634907	74
1	13001U	81120	E	81352.01951861	.00000004	00000-0	00000 0 0	36
2	13001	82.9591		278.8744 0021376	115.6593	244.6411	12.08665664	72
1	13002U	81120	F	81352.01754343	.00000004	00000-0	00000 0 0	33
2	13002	82.9539		279.8511 0050881	107.5499	253.1103	12.13527902	70
1	13003U	81120	G	81352.01669917	.00000004	00000-0	00000 0 0	35
2	13003	82.9545		278.8507 0059392	96.5702	254.2149	12.15569396	73

81-121A

Kosmos 1330

1	13009U	81	21	A	81353.55062678	-.00002691	18732-4	00000 0 0	10
2	13008	70.3647	308.5314	0159528	71.2312	290.6193	16.00496988		02
1	13009U	81	21	A	81353.55062678	-.00002691	18732-4	00000 0 0	10
2	13008	70.3647	308.5314	0159528	71.2312	290.6193	16.00496988		13
1	13009U	81	21	A	81353.80060689	-.00002656	18430-4	00000 0 0	25
2	13008	70.3604	307.8129	0158595	70.2847	291.5361	16.00534072		56
1	13009U	81	21	A	81355.23706276	.00566310	18413-4	20375-3 0	50
2	13008	70.3651	303.6475	0152706	68.3888	293.4476	16.02606028		282
1	13009U	81	21	A	81357.29507527	.00689252	18313-4	21973-3 0	72
2	13008	70.3623	297.6677	0144666	64.6551	296.0488	16.05406609		618
1	13009U	81	21	A	81363.26240816	.01041863	18031-4	26316-3 0	239
2	13008	70.3575	294.2041	0109956	59.4761	301.7173	16.14615591		02

1	13008U	81	21	A	81364.08737731	.00721842	19474-4	26316-3	0	255
2	13008	70.3499	277.7992	0151653	74.9041	289.9281	16.08092397			1702
1	13008U	81	21	A	81364.25563587	.00727107	19225-4	26316-3	0	255
2	13008	70.3526	277.2780	0150813	72.4071	289.3606	16.02936184			1734

1	13008U	81	21	A	81365.12895967	.00803570	19601-4	26316-3	0	269
2	13008	70.3565	274.7473	0148097	70.7788	291.3458	16.04436493			1878

1	13008U	81	21	A	81365.25355783	.00910872	19538-4	30452-3	0	270
2	13008	70.3572	274.3786	0145690	70.6706	291.0250	16.04743911			1999

1	13008U	81	21	A	81360.47000923	.00816025	19428-4	25937-3	0	177
2	13008	70.3680	289.4032	0123974	64.3585	297.4397	16.09671525			1128

1	13008U	81	21	A	81361.33961623	.00820691	19216-4	24777-3	0	187
2	13008	70.3603	285.8533	0119737	63.1817	298.1316	16.11007079			1267

1	13008U	81	21	A	81362.27056024	.00929652	19059-4	23142-3	0	193
2	13008	70.3598	283.1239	0115669	61.5937	299.6562	16.12657070			1417

1	13008U	81	21	A	81363.01461116	.01065658	19196-4	27672-3	0	209
2	13008	70.3641	280.9358	0111213	60.2005	301.0530	16.14094573			1534

1	13008U	81	21	A	81353.26245816	.01041863	19031-4	26316-3	0	239
2	13008	70.3575	280.2041	0109856	59.4761	301.7173	16.14615591			1573

1	13008U	81	21	A	82	1.06353406	.00898763	18359-4	27673-3	0	283
2	13008	70.3522	272.0231	0142655	68.3146	293.0455	16.05136727			2022	

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Kosmos 1330

for 15.1

1	13008U	81 21	A 82	3.24081730	.01050544	19061-4	27432-3 0	313
2	13008	70.3593	265.5514	0130312	65.5866	295.8849	16.10169966	2377
1	13008U	81 21	A 82	4.23416035	.01200540	18334-4	23631-3 0	329
2	13008	70.3566	262.7347	0123606	63.4190	298.0517	16.12390671	2539
1	13008U	81 21	A 82	4.42024533	.00860932	18903-4	23631-3 0	335
2	13008	70.3549	262.1967	0147045	73.2923	284.9630	16.04511921	2563
1	13008U	81 21	A 82	5.04407479	.00833457	15994-4	27710-3 0	349
2	13008	70.3596	260.3738	0141635	72.6985	289.1644	16.05640663	2555
1	13008U	81 21	A 82	5.23092239	.00839431	19458-4	27460-3 0	350
2	13008	70.3584	259.8299	0140803	72.5432	289.1216	16.05963631	2590
1	13008U	81 21	A 82	6.73629323	.00947404	18990-4	24544-3 0	370
2	13008	70.3550	255.2894	0133300	69.7041	291.9549	16.09532791	2046
1	13008U	81 21	A 82	7.34630959	.00896958	18688-4	25046-3 0	394
2	13008	70.3557	253.6526	0130296	69.9984	292.5642	16.09583596	3035
1	13008U	81 21	A 82	7.34639959	.00896958	18688-4	25046-3 0	406
2	13008	70.3557	253.6526	0130298	69.9984	292.5642	16.09583596	3035

1	13008U	81 21	A 82	5.22699913	.00811688	18568-4	24652-3 0	369
2	13008	70.3573	256.9248	0133386	70.9042	290.4913	16.07565842	2951

1	13008U	81 21	A 82	7.65707348	.00927790	18411-4	25339-3 0	417
2	13008	70.3450	252.7440	0128247	68.1782	293.3948	15.10203766	3085

1	13008U	81 21	A 82	9.64220680	.01653154	18935-4	33109-3 0	446
2	13008	70.3501	246.8983	0114358	64.8910	296.2300	15.15215171	3405

1	13008U	81 21	A 82	10.57033233	.01359576	18349-4	21639-3 0	484
2	13008	70.3484	244.1497	0107043	63.6330	297.6341	13.17794975	3569

1	13008U	81 21	A 82	11.00300600	.00539166	18397-4	19282-3 0	474
2	13008	70.3473	242.8779	0164441	64.8096	265.1314	15.99902074	3621

1	13008U	81 21	A 82	11.31768413	.00681907	19509-4	24953-3 0	488
2	13008	70.3453	241.9668	0162595	83.6198	278.4235	16.00356255	3572

1	13008U	81 21	A 82	11.88008817	.00719383	18564-4	25601-3 0	499
2	13008	70.3447	240.3402	0159918	82.6799	279.3255	16.01181209	3755

1	13008U	81121	A 82011	9.94256273	.00727280	00000-0	00000-0 0	00521
2	13008	070.3424	240.1576	0162374	082.5096	279.4994	16.01265490003777	

1	13008U	81 21	A 82	12.25485395	.00737911	18007-4	25635-3 0	514
2	13008	70.3438	239.2545	0158211	82.0548	279.8328	16.01746348	3822

1	13008U	81121	A 82012	9.94159967	.00768734	00000-0	00000-0 0	00534
2	13008	070.3485	237.2629	0162930	080.4234	281.4643	16.02679718003933	

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Kosmos 1330

forts. 2.

1	13008U	81 21	A 82	13.25361130	.00722013	18586-4	23658-3	0	523
2	13008	70.3454	236.3551	0154014	60.0508	281.7125	16.03191596		3985

1	13008U	81121	A 82	14.99931182	.00742205	22000-0	02002-0	0	00544
2	13008	070.3434	231.2740	0151692	077.1655	284.6927	16.05773979004253		

1	13008U	81 21	A 82	15.62204349	.00792221	19061-4	22015-3	0	535
2	13008	70.3475	229.4593	0143960	75.5182	286.2211	16.06792532		4366

1	13008U	81 21	A 82	15.87102991	.00870993	18988-4	22015-3	0	544
2	13008	70.3460	229.7247	0124932	75.7003	287.7904	16.11577623		4403

1	13008U	81 21	A 82	16.35710616	.00954539	19054-4	23358-3	0	547
2	13008	70.3386	227.2665	0121710	74.5372	286.9241	16.12520944		4483

1	13008U	81 21	A 82	17.23505290	.01126907	18915-4	25447-3	0	564
2	13008	70.3422	224.7096	0115675	73.0537	288.3384	15.14456266		4621

1	13008U	81 21	A 82	18.23570435	.01098238	19110-4	23262-3	0	571
2	13008	70.3410	221.7822	0106751	71.7278	289.7005	16.16922766		4734

1	13008U	81 21	A 82	18.53493152	.01822204	19631-4	27919-3	0	585
2	13008	70.3405	220.8674	0105751	70.6943	290.9979	16.18241494		4830

1	13008U	81 21	A 82	19.15267307	.01322282	18679-4	15445-3	0	590
2	13008	70.3597	218.9500	0103524	67.7474	293.4092	16.19921254		4935

81-122 A

MARECS 1

1	13010U	81122	A	81354.75584692	-.00000034	00000-0	00000 0 0	17	
2	13010	10.5254		273.7067	7295122	174.8968	202.2151	2.27857478	23

1	13010U	81122	A	81355.19306785	-.00000034	00000-0	00000 0 0	32	
2	13010	10.5110		273.5264	7295323	175.2553	200.9800	2.27871505	33

1	13010U	81122	A	81357.66671753	-.00000137	00000-0	00000 0 0	42	
2	13010	2.3202		297.5832	0014642	77.0588	283.8576	1.00648600	32

Arrive third stage

1	13011U	81122	B	81355.20107981	-.00000034	00000-0	00000 0 0	11	
2	13011	10.5404		273.4315	7291215	175.5244	207.5578	2.27732391	34

1	13011U	81122	B	81358.25239053	.00011577	00000-0	15317-2 0	29	
2	13011	10.5060		271.9057	7296207	178.1184	190.9574	2.27942637	102

1	13011U	81122	B	81363.49117033	.00012025	00000-0	16209-2 0	55
2	13011	10.4816		270.8107 7294911	182.0595	170.9606	2.28055671	228
1	13011U	81122	B	81361.30672711	.00011571	00000-0	15886-2 0	48
2	13011	10.4916		270.8736 7295043	180.3544	177.6748	2.29012173	171

CAT4

1	13025U	81122	C	81364.22167249	.00091252	16909-4	53494-2 0	17
2	13025	10.4903		262.8454 7273947	192.3342	170.4468	2.32075368	06

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1	130127	81123	A	81357.61279933	.00000195	00000-7	00000 0 0	15	
2	13012	82.0409		323.4735	7306639	297.2597	11.0025	2.05915733	11
1	13013U	81123	B	81359.05443232	.00401937	57424-4	10692-2 0	25	
2	13013	62.9810		321.7724	0166728	61.9491	299.9375	15.74861280	75
1	13014U	81123	C	81358.05511243	.00794490	11065-4	12117-2 0	29	
2	13014	62.9849		321.6397	0214786	61.1578	301.1577	15.73370126	77
1	13012U	81123	A	81364.93527797	.00000025	00000-3	00000 0 0	63	
2	13012	62.8399		322.5247	7406974	279.7627	11.1531	2.00648358	124