

82-01 A

Kosmos 1331

1	13027U	82	1	A	82	7.71028975	-.00000012	00000-0	00000 0 0	13
2	13027	74.0930	349.5344	0022968		4.9587	355.2425	14.31777917		13
1	13027U	82	1	A	82	7.85020782	-.00000012	00000-0	00000 0 0	32
2	13027	74.0465	349.2947	0026299		348.8916	11.2388	14.30076955		32

82-02A

Kosmos 1332

1	13031U	82002	A	82012.51336913	.00000000	00000-0	00000-0	0	00019
2	13031	082.2742		325.6705	0023239	094.2299	256.2297	16.17553123	000007
1	13031U	82002	A	82012.88479181	.00000000	00000-0	00000-0	0	00024
2	13031	082.3223		325.1934	0028808	106.2720	254.2391	16.16469773	000062
1	13031U	82002	A	82012.94659692	.00000000	00000-0	00000-0	0	00030
2	13031	082.3158		325.1166	0029466	106.2924	254.2247	16.16477279	000075
1	13031U	82002	A	82012.94659456	.00275554	00000-0	00000-0	0	00043
2	13031	082.3105		325.1168	0027929	107.5410	252.9572	16.16534704	000079
1	13031U	82	2	A	82	13.25619483	-.00274875	00000-3	-17359-3 0 19
2	13031	82.3153		324.7511	0029516	100.6798	259.8037	16.16605375	126
1	13031U	82	2	A	82	13.50377028	.00205074	-17290-5	12787-3 0 22
2	13031	82.3140		324.4542	0029055	103.5804	256.3768	16.16732707	168
1	13031U	82002	A	82013.87512171	.00211524	00000-0	00000-0	0	00059
2	13031	082.3067		324.0210	0027775	104.1307	256.3711	16.16943828	000229

1	13031U	82	2	A	82	15.29826776	.00210909	-16432-5	12478-3	0	43
2	13031	82.3082	322.3420	0028251			97.9869	262.4655	16.17541699		452

1	13031U	82	2	A	82	16.34982554	.00219151	-18338-5	12478-3	0	53
2	13031	82.3078	321.1016	0028503			92.0659	269.5108	16.18026249		623

1	13031U	82	2	A	82	17.27738283	.00255986	-18895-5	14092-3	0	69
2	13031	82.3072	320.0091	0027486			89.9100	270.8299	16.12544015		777

1	13031U	82	2	A	82	18.26640180	.00269135	-17351-5	13694-3	0	73
2	13031	82.3086	319.8414	0027112			87.1642	273.3173	16.19060741		930

1	13031U	82	2	A	82	19.31693432	.00239071	-55146-5	12212-3	0	93
2	13031	82.3097	317.6013	0026763			63.0707	277.1910	16.19540022		1108

1	13031U	82	2	A	82	22.23115951	.00364023	-50958-5	16282-3	0	127
2	13031	82.3051	314.0969	0024211			72.9341	297.5042	16.21397043		1584

1	13031U	82	2	A	82	23.26841769	.00362673	-58468-5	15362-3	0	134
2	13031	82.3054	312.9245	0023703			68.9083	291.4641	16.22112253		1745

1	13031U	82	2	A	82	24.25525101	.00380941	-58849-5	15195-3	0	145
2	13031	82.3043	311.7527	0023163			65.9868	294.5191	16.22980958		1901

1	13031U	82	2	A	82	24.50195936	.00385777	-60414-5	15151-3	0	156
2	13031	82.3046	311.4612	0023011			65.1650	295.2213	16.23079450		1945

1	13031U	82	2	A	82	25.24157048	.00393353	-54491-5	14781-3	0	157
2	13031	82.3064	310.5811	0022201			63.1807	297.1936	16.23665412		2065

82-03A

Kosmos 1333

1	13033U	82003	A	82014.31348011	.00000000	00000-0	00000-0	0	00012	
2	13033	82.9396		259.4383	0035391	279.4575	080.3121	13.72568933000206		
1	13033U	82	3	A	82	14.75103380	.00000006	00000-0	00000 0 0	14
2	13033	82.9387		259.1057	0031316	278.9417	80.8129	13.71957313		64
1	13033U	82	3	A	82	15.33448257	.00000192	00000-0	19999-3 0	22
2	13033	82.9410		258.6750	0031480	277.3040	82.4546	13.71925589		142
1	13033U	82	3	A	82	17.30362691	.00000925	00000-0	10057-2 0	49
2	13033	82.9411		257.2244	0031412	271.5713	88.1685	13.71926657		410

82-04A

RCA

Satcom 4

1	13035U	82	4	A	82	15.99554113	-.00004184	28924-4	00000 0 0	23	
2	13035					27.4008	331.7590	7316452	178.0710 188.7292	2.26946145	01
1	13035U	82	4	A	82	18.95157959	-.00000146	00000-0	00000 0 0	65	
2	13035					0.0437	51.7406	0048392	107.3810 201.0588	1.00525044	68

82-05A

Kosmos 1334

1	13033U	82	5	A	82	20.47129803	-.00001698	11809-4	00000 0 0	15
2	13033	72.8876	297.0890	0071012		94.9360	265.7138	16.11946769		02
1	13033U	82	5	A	82	20.59547156	-.00001679	11483-4	00000 0 0	21
2	13033	72.8673	295.7731	0071312		94.5117	266.4108	16.11937518		25
1	13033U	82	5	A	82	20.71960517	-.00001710	11330-4	00000 0 0	32
2	13033	72.8656	296.4556	0071784		94.5364	266.4059	16.11912395		40
1	13036U	82	5	A	82	21.02991799	-.00001733	12023-4	00000 0 0	40
2	13036	72.8495	295.6513	0071081		95.3182	265.6147	16.11975947		95
1	13036U	82	5	A	82	21.40272183	.00075043	00000-0	25931-4 0	50
2	13036	72.8633	294.6717	0054495		62.9691	297.3265	16.06461579		154
1	13036U	82	5	A	82	21.52733730	.00074238	00000-0	25931-4 0	75
2	13036	72.8536	294.3706	0047714		69.7415	293.7973	16.06071359		174
1	13036U	82	5	A	82	21.83664152	.00026097	00000-0	30497-4 0	87
2	13036	72.8556	293.5810	0047958		69.1789	278.9411	16.05072047		229
1	13036U	82	5	A	82	22.27493456	.00073102	00000-0	84168-4 0	97
2	13036	72.9596	292.4616	0047705		68.7042	292.0018	16.05157220		294

1	13036U	82	5	A	82	23.27136492	.00102737	71479-5	11831-3	0	121
2	13036	72.9590	289.9199	0047710			66.7496	294.1983	16.06407223		454

1	13036U	82	5	A	82	24.26767761	.00101991	71513-5	11614-3	0	110
2	13036	72.8573	287.3732	0047413			64.3016	295.2912	16.06608149		617

1	13036U	82	5	A	82	25.13053109	.00328657	52966-4	40835-3	0	126
2	13036	72.8561	285.1455	0048392			69.5049	291.2057	16.05117372		754

1	13036U	82	5	A	82	25.26417003	.00221636	00000-0	26999-4	0	132
2	13036	72.9555	284.8270	0047834			69.0166	291.6109	16.05114998		779

1	13036U	82	5	A	82	26.32371821	.00089373	57776-5	11133-3	0	140
2	13036	72.8537	282.1254	0046716			67.0525	293.9272	16.05323593		944

1	13036U	82	5	A	82	27.32070414	.02235568	55772-5	10553-3	0	157
2	13036	72.8531	279.5791	0246698			64.8623	295.6873	16.25486441		1122

1	13036U	82	5	A	82	28.25535755	.00094498	62786-5	11515-3	0	169
2	13036	72.8529	277.1899	0046610			63.0419	297.5827	16.05666431		1255

1	13036U	82	5	A	82	29.25218491	.00105140	71328-5	12654-3	0	170
2	13036	72.8521	274.6435	0046178			60.6091	300.0266	16.05982205		1419

1	13036U	82	5	A	82	30.31115676	.00104943	71659-5	12451-3	0	184
2	13036	72.8520	271.9375	0046047			57.9241	302.6198	16.06101229		1583

1	13036U	82	5	A	82	31.74368189	.00093287	61845-5	11390-3	0	205
2	13036	72.8580	269.2762	0045126			53.1031	306.9682	16.06136642		1613

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Kosmos 1334

parts. 7

1	13035U	82	5	A	82	32.24203219	.00143857	11547-4	15931-5	0	210
2	13035	72.8552	267.0047	0044507		52.5241	308.1038	16.06355472			1899
1	13036U	82	5	A	82	32.30429275	.00147221	12012-4	17320-3	0	235
2	13036	72.8597	266.9406	0044702		51.6813	308.8188	16.06341334			1902
1	13036U	82	5	A	82	33.30057764	.00123190	91994-5	14254-3	0	248
2	13036	72.8551	264.2994	0044901		49.9144	310.5065	16.06590660			2055

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[Titan 3D]

1	130400	92	6	A	82	21.85403357	-.00001479	10074-4	00000 0 0	13
2	13040	97.3174	109.0219	0290186	162.4675	198.6091	15.78107061			09
1	130400	92	6	A	82	21.91745955	-.00001516	10557-4	00000 0 0	22
2	13040	97.3162	109.0930	0291106	161.1813	199.7474	15.76745572			11
1	130400	92	6	A	82	21.93098189	-.00001531	10655-4	00000 0 0	36
2	13040	97.3243	109.1363	0291960	160.8423	200.4233	15.76790180			20
1	130400	92	6	A	82	22.10790510	-.00001521	10608-4	00000 0 0	45
2	13040	97.3267	109.2725	0291361	160.2352	200.9894	15.76923573			49
1	130400	92	6	A	82	22.23482436	.00039927	10636-4	20743-4 0	75
2	13040	97.3006	109.3561	0272473	169.2456	191.4211	15.73575239			60
1	130400	92	6	A	82	22.29929456	.00425670	10698-4	49666-4 0	50
2	13040	97.3292	109.4785	0290081	159.6359	201.7865	15.77075570			73

1	13040U	82	6	A	82	22.36237673	.00026112	99584-5	20743-4	0	99
2	13040	97.3105	100.5596	0273825	164.8495	196.1183	15.69277170				96
1	13040U	82	6	A	82	22.81632032	.00000174	00000-0	20743-4	0	109
2	13040	97.3187	110.0114	0060256	353.8899	6.0371	14.39758320				145
1	13040U	82	6	A	82	24.29444185	-.00000026	00000-0	00000	0	144
2	13040	97.2486	111.3898	0066154	330.4294	29.5405	14.39538976				362

82-07A

Kosmos 1335

1	13042U	82	7	A	82	29.51456237	-.00000027	00000-0	00000 0 0	15
2	13042	74.0574	301.5397	0026174	346.0991	13.9564	15.22935451			16
1	13042U	82	7	A	82	29.58035513	-.00292275	00000-0	-13300-1 0	20
2	13042	74.0578	301.4443	0026342	348.5091	11.5455	15.22387201			23
1	13042U	82	7	A	82	29.97449798	-.00295395	00000-0	-13300-1 0	35
2	13042	74.0532	300.6090	0026246	352.3846	7.6999	15.22422101			30
1	13042U	82	7	A	82	30.04021123	.00227964	00000-0	93181-2 0	44
2	13042	74.0534	300.4774	0025552	346.4792	13.7124	15.23004312			92
1	13042U	82	7	A	82	32.27352756	.00038795	00000-0	16223-2 0	77
2	13042	74.0540	295.7762	0025824	342.4991	17.4219	15.23103818			436

82-08A

Kosmos 1336

1	13045U	82	8	A	82	30.53653513	-.00002699	18639-4	00000-0-0	16
2	13045	70.3399	344.8867	0140819		69.5053	291.9542	16.04446175		17
1	13045U	82	8	A	82	30.59892747	.00261170	18214-4	99999-4-0	26
2	13045	70.3427	344.7079	0141013		69.4499	292.1779	16.04486612		29
1	13045U	82	8	A	82	32.29084672	.00236380	18870-4	28950-3-0	45
2	13045	70.3429	339.8036	0132699		66.4507	294.6915	16.07112667		294
1	13045U	82	8	A	82	33.21418745	.00982400	18560-4	31874-3-0	59
2	13045	70.3413	337.0737	0127308		65.0606	296.3672	16.03778677		442
1	13045U	82	8	A	82	33.27629268	.00832006	19062-4	26985-3-0	62
2	13045	70.3428	336.8928	0127497		64.6323	296.8249	16.03769556		453
1	13045U	82	8	A	82	33.46278466	.00931544	18693-4	29128-3-0	74
2	13045	70.3377	336.3416	0126929		64.2564	297.1590	16.09225283		487
1	13045U	82	8	A	82	34.27050251	.00957203	19191-4	23671-3-0	89
2	13045	70.3404	333.9750	0121086		63.0291	298.4945	16.10806279		610

1	13045U	82	8	A	82	35.32551204	.01021940	19179-4	27424-3	0	93
2	13045	70.3365	330.8678	0115150			61.6573	299.9546	16.13010938		769
1	13045U	82	8	A	82	36.31694404	.01320542	19114-4	30609-3	0	103
2	13045	70.3393	327.9414	0109016			59.8482	301.3929	16.15549812		945
1	13045U	82	8	A	82	36.87394159	.01253797	19241-4	25650-3	0	113
2	13045	70.3402	326.2937	0105682			59.0935	301.9538	16.16932405		1035
1	13045U	82	8	A	82	36.99767980	.01310467	19111-4	26650-3	0	122
2	13045	70.3426	325.9270	0104729			58.8465	302.3592	16.17318189		1059
1	13045U	82	8	A	82	37.18473691	.21554760	19241-4	87465-2	0	133
2	13045	70.3453	325.3772	0146885			62.3677	299.2748	16.02614324		1089
1	13045U	82	8	A	82	37.43440523	-.00002697	19707-4	00000	0	145
2	13045	70.3375	324.6597	0145950			62.9255	298.7590	16.02775378		1123
1	13045U	82	8	A	82	37.74643968	.00747286	19557-4	27958-3	0	155
2	13045	70.3440	323.7490	0145853			61.4544	300.5916	16.03440878		1177
1	13045U	82	8	A	82	38.30768182	.00851698	19498-4	31024-3	0	161
2	13045	70.3446	322.1137	0143317			62.3945	301.3099	16.04426743		1265
1	13045U	82	8	A	82	39.24239276	.00841838	18712-4	28717-3	0	172
2	13045	70.3442	319.3904	0138719			58.8275	302.5777	16.05999756		1412
1	13045U	82	8	A	82	40.17623515	.00854242	18714-4	27164-3	0	180
2	13045	70.3396	316.6670	0134073			57.0510	304.4198	16.07613977		1566
1	13045U	82	8	A	82	40.79825150	.00959657	18620-4	28252-3	0	190
2	13045	70.3406	314.8470	0131135			55.5977	306.1709	16.08923925		1663

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Kosmos 1336

forts. 1

1	13045U	82	8	A	82	41.23327569	.01009406	199	3-4	28813-3	0	207
2	13045	70.3362	313.5678	0129144		55.2742	306.1	48	16.09819631			1732
1	13045U	82	8	A	82	42.35085442	.01226289	19954-4	31007-3	0		219
2	13045	70.3371	310.2943	0120579		53.7873	307.3804	16.12453734				1916
1	13045U	82	8	A	82	43.15634499	.00892407	18294-4	31007-3	0		223
2	13045	70.3421	307.9088	0159782		56.9060	286.3411	16.01425673				2042
1	13045U	82	8	A	82	43.22078900	.00680964	18917-4	27269-3	0		235
2	13045	70.3397	307.7263	0153054		68.8960	292.9835	16.01502903				2053
1	13045U	82	8	A	82	44.40692237	.00841003	18544-4	32078-3	0		245
2	13045	70.3343	304.2897	0145750		67.0710	295.3059	16.03481330				2241
1	13045U	82	8	A	82	45.21743942	.00903020	18550-4	31910-3	0		256
2	13045	70.3334	301.9299	0142036		65.2710	296.5261	16.04979005				2379
1	13045U	82	8	A	82	45.21740394	.01051004	13240-4	36041-3	0		263
2	13045	70.3397	301.9213	0143201		64.9481	296.6385	16.05018395				2375
1	13045U	82	8	A	82	46.27628013	.00618098	18739-4	20871-3	0		277
2	13045	70.3297	298.8374	0135054		63.6276	297.7912	16.06858693				2542
1	13045U	82	8	A	82	47.27174542	.00867666	18695-4	26706-3	0		297
2	13045	70.3356	296.9252	0130053		62.1348	299.3915	16.08739548				2707

1 13045U 92 8 A 82 48.14218323 .00865736 18901-4 25705-3 0 305
2 13045 70.3345 293.3806 0133394 62.7329 298.7401 16.09035556 2844

1 13045U 82 8 A 82 48.32873585 .00816557 18981-4 24695-3 0 319
2 13045 70.3361 292.9254 0132933 62.1208 299.3032 16.09315271 2876

1 13045U 82 8 A 82 49.26129422 .00955469 19045-4 25741-3 0 323
2 13045 70.3432 290.0945 0129235 60.1774 301.6790 16.10123672 3029

1 13045U 82 8 A 82 49.53339145 .00989816 18744-4 25741-3 0 333
2 13045 70.3548 289.0098 0126196 60.8931 300.9089 16.11052751 3089

1 13045U 82 8 A 82 50.50263417 .01129660 19360-4 27766-3 0 343
2 13045 70.3338 286.4416 0118954 58.0219 303.6477 16.13037525 3223

1 13045U 82 8 A 82 51.30821014 .01273270 19184-4 29057-3 0 351
2 13045 70.3316 284.0636 0113016 57.2102 303.9541 16.15143292 3355

1 13045U 82 8 A 82 51.85537127 .00787390 18822-4 29057-3 0 362
2 13045 70.3260 282.3547 0154011 74.3033 284.7348 16.02410784 3446

1 13045U 82 8 A 82 53.30058076 .00921811 18572-4 27934-3 0 391
2 13045 70.3238 278.2433 0148895 67.7084 294.2964 16.04973863 3676

1 13045U 82 8 A 82 53.23824569 .00862655 18946-4 26279-3 0 408
2 13045 70.3282 278.4241 0149355 67.7812 294.1797 16.04831715 3663

1 13045U 82 8 A 82 54.04815198 .01067494 18919-4 45223-3 0 417
2 13045 70.3250 276.0582 0140903 66.4998 296.7698 16.07437292 3798

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Kosmos 1336 parts. 2.

1	13045U	82	8	A	82	54.23451531	.01509732	18992-4	42353-3	0	423
2	13045	70.3299	275.5070	0137952	66.9649	294.3869	16.07969238				3824
1	13045U	82	8	A	82	54.91834504	.01589502	19904-4	41312-3	0	447
2	13045	70.3264	273.5069	0132248	64.6015	297.1157	16.10347658				3939
1	13045U	82	8	A	82	55.29036323	.01755715	19148-4	38756-3	0	456
2	13045	70.3221	272.4105	0128186	64.2623	297.2744	16.11698685				3999
1	13045U	82	8	A	82	55.84918856	.01470421	18755-4	29292-3	0	469
2	13045	70.3156	270.7622	0123453	63.3465	298.3069	16.13133166				4080
1	13045U	82	8	A	82	56.28307899	.01374355	18946-4	24669-3	0	472
2	13045	70.3226	269.4842	0120153	62.4634	298.7559	16.14354567				4154
1	13045U	82	8	A	82	56.22113252	.01352901	19036-4	24669-3	0	489
2	13045	70.3217	269.6672	0120704	62.5814	298.7509	16.14165445				4149
1	13045U	82	8	A	82	57.21134000	.01967739	19105-4	24669-3	0	497
2	13045	70.3230	266.7343	0112021	60.6961	301.9721	16.17717359				4303

82-09A

Stationar-Ekran 8

1	13056U	82	9	A	82	36.57353498	-.00000294	00000-0	00000 0 0	15	
2	13056					0.0710	219.2745	0000011	27.9539 184.0000	1.00906548	29

1	13057U	82	9	B	82	36.98819957	.04043466	58728-4	60937-3 0	44	
2	13057					51.6216	279.3265	0001248	305.1974 54.3413	16.33540478	92

1	13058U	82	9	C	82	36.98734809	.35090484	61008-4	52457-3 0	60	
2	13058					51.6071	279.3294	0004122	112.4429 247.5892	16.48463123	90

1	13059U	82	9	C	82	36.92631035	.21415845	66966-4	32656-2 0	51	
2	13059					51.6127	279.6897	0008133	232.0172 126.6740	16.33270254	99

1	13060U	82	9	E	82	39.93304692	.00001852	00000-0	27470-2 0	19	
2	13060					47.3614	281.5297	7234766	0.7321 357.1689	2.28570474	74

1	13056U	82	9	A	82	53.20875033	-.00000121	00000-0	00000 0 0	63	
2	13056					0.4452	257.3245	0024860	232.9623 219.9246	1.00980293	192

82-10 A

Kosmos 1337

1	13062U	82.10	P	82	42.10528999	-.00004982	33963-4	00000 0 0	15
2	13062	65.0412			193.3565 0214044	50.1392	311.7448	16.06578437	15
1	13061U	81 10	A	82	42.55952659	.00031732	00000-0	71296-3 0	11
2	13061	65.0421			191.8490 0013577	273.2541	87.4004	15.43126543	85
1	13061U	81 10	A	82	42.62418846	.00031752	00000-0	71296-3 0	17
2	13061	65.0456			191.6250 0013533	274.5058	85.3494	15.43155024	91
1	13061U	81 10	A	82	42.75331590	-.00000130	00000-0	00000 0 0	23
2	13061	65.0474			191.2029 0013708	272.7717	87.1418	15.43138669	111
1	13061U	81 10	A	82	43.27228725	.00015556	00000-0	35279-3 0	30
2	13061	65.0439			189.4795 0013586	272.2617	87.7110	15.43160169	193
1	13061U	81 10	A	82	43.27228725	.00015556	00000-0	35279-3 0	41
2	13061	65.0439			189.4786 0013586	272.2617	87.7110	15.43160169	193
1	13061U	82010	A	820	43.98512750	.00130292	00000-0	00000-0 0 00051	
2	13061	065.0423			157.1033 0010300	275.2730	034.7248	15.43361678000306	

1	130610	81 10	A 82 45.15139578	.00086907	00000-0	19004-2 0	54
2	13061	65.0414	183.2177 0013709	272.6016	87.3906	15.43567192	774
1	130610	81 10	A 82 45.29095054	.00087243	00000-0	19004-2 0	53
2	13061	65.0486	182.7944 0014709	274.5037	85.4711	15.43664932	790
1	130610	81 10	A 82 45.73548500	.00044583	00000-0	99999-3 0	108
2	13061	65.0414	183.2170 0013708	272.6016	87.3555	15.43055739	564
1	130610	81 10	A 82 45.92891692	.00097112	00000-0	21079-2 0	110
2	13061	65.0427	180.6227 0013514	270.6368	89.3490	15.43742080	590
1	130610	81 10	A 82 46.12315911	.00096591	00000-0	21079-2 0	120
2	13061	65.0435	179.9750 0014611	273.4595	86.3931	15.43568461	622
1	130610	81 10	A 82 46.31754482	.00161478	00000-0	34779-2 0	131
2	13061	65.0441	179.3274 0014855	271.3190	88.5911	15.43678090	653
1	130610	81 10	A 82 47.09489841	.00006522	00000-0	14889-3 0	141
2	13061	65.0459	172.7324 0014095	266.3095	94.2739	15.43672639	770
1	130610	81 10	A 82 47.28932939	.00000255	00000-0	87169-5 0	155
2	13061	65.0492	173.0795 0013035	268.6986	91.2895	15.43565675	802
1	130610	81 10	A 82 48.00197141	.00116720	00000-0	25086-2 0	163
2	13061	65.0451	173.7088 0013707	266.0246	94.5220	15.43943791	910
1	130610	81 10	A 82 48.64961306	.00025062	00000-0	57120-3 0	173
2	13061	65.0463	171.5498 0014186	263.7704	96.1337	15.43931891	1016
1	130610	81 10	A 82 49.29736318	.00061988	00000-0	13363-2 0	189
2	13061	65.0463	169.3893 0014158	262.4262	97.7059	15.44054206	1112

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Kosmos 1337

forts. 1

1	130610	81 10	A 82	49.49163868	.00709793	00000-0	13789-1 0	196
2	13061	65.0454	168.7305	0015320	268.0324	92.3118	15.44614913	1141
1	130610	81 10	A 82	49.49163868	.00709793	00000-0	13789-1 0	203
2	13061	65.0454	168.7305	0015320	268.0324	92.3118	15.44614913	1152
1	130610	81 10	A 82	50.52774750	.00281161	00000-0	16573-2 0	213
2	13061	65.0378	165.2626	0024356	280.1036	79.5349	15.45377090	1318
1	130610	81 10	A 82	51.36923046	.00124334	00000-0	24799-2 0	237
2	13061	65.0302	162.4308	0030277	274.1148	85.6666	15.45709387	1444
1	130610	81 10	A 82	52.20927604	.00219296	00000-0	42212-2 0	249
2	13061	65.0176	159.6178	0039333	263.4553	96.6959	15.46036482	1572
1	130610	81 10	A 82	53.30858355	.00320653	00000-0	59502-2 0	261
2	13061	64.9932	155.9152	0043890	268.0296	91.6666	15.46478898	1749
1	130610	81 10	A 82	55.24825337	.00115233	00000-0	21544-2 0	292
2	13061	65.0043	149.4195	0045965	257.1491	102.2581	15.46948090	2043
1	130610	81 10	A 82	56.29258447	.00110706	00000-0	20559-2 0	305
2	13061	65.0053	145.9464	0045755	256.8130	102.7440	15.47168850	2203

82-11A

Kosmos 1338

1	13063U	82 11	A 82	47.45730591	-.20001658	11352-4	00000 0 0	15
2	13063	72.6517	313.4321	0125533	34.4332	277.3659	15.98138985	03
1	13063U	82 11	A 92	47.59224523	-.00001673	11518-4	00000 7 0	25
2	13063	72.9041	313.1214	0127592	39.9030	271.9022	15.98076534	20
1	13063U	82 11	A 92	47.70749054	-.00001666	11500-4	00000 0 0	38
2	13063	72.6407	317.7869	0142807	92.5608	269.1137	15.98043875	40
1	13063U	82 11	A 82	47.93259354	-.20001649	11392-4	00000 0 0	44
2	13063	72.8917	317.5299	0121817	81.0785	280.0790	15.97567991	64
1	13063U	82 11	A 92	48.27267034	.00630281	00000-0	65846-2 0	57
2	13063	72.8528	316.3698	0054215	214.8156	144.9427	15.60695690	130
1	13063U	82 11	A 92	48.72129874	.00615796	00000-0	65846-2 0	61
2	13063	72.8529	315.3061	0038674	208.9252	150.3193	15.60987896	205
1	13063U	82 11	A 82	48.97774594	.20617562	00000-0	65846-2 0	77
2	13063	72.8556	314.7124	0042069	212.8431	146.6425	15.60896696	242

1	13063U	82	11	A	82	49.29823521	.00024101	00000-0	27713-3 0	32
2	13063	72.8469	313.9377	0043252	208.1704	151.2763	15.60730407			291

1	13063U	82	11	A	82	50.51617091	.00016440	00000-0	19203-3 0	93
2	13063	72.8469	311.0244	0042337	205.3290	154.3461	15.60726900			426

1	13063U	82	11	A	82	51.34949445	.00005377	00000-0	62456-4 0	106
2	13063	72.8466	309.0336	0042400	203.2147	156.6278	15.60720816			519

1	13063U	82	11	A	82	53.27249341	.00002904	00000-0	34081-4 0	125
2	13063	72.8460	304.4352	0042317	198.8887	161.3864	15.60725944			919

1	13063U	82	11	A	82	55.25955377	.00002904	00000-0	34081-4 0	141
2	13063	72.8447	299.6632	0041989	194.0460	165.9629	15.60743125			1223

1	13063U	82	11	A	82	56.29512617	.00006564	00000-0	76013-4 0	159
2	13063	72.8453	297.2304	0041950	192.0545	168.0070	15.60761977			1389

1	13063U	82	11	A	82	60.25911266	.00005324	00000-0	73199-4 0	194
2	13063	72.8445	297.7272	0041469	183.0428	177.0771	15.60814584			2003

1	13063U	82	11	A	82	59.33622646	.00006862	00000-0	10309-3 0	170
2	13063	72.8443	292.3264	0041664	187.2188	172.9358	15.60793786			1701

82-12A

Kosmos 1339

1	13065J	82 12	A 82	48.97289700	.00000006	00000-0	00000 0 0	22
2	13065	82.3759	144.5092	0035559	280.6526	79.1370	13.75082526	14
1	13065U	82 12	A 82	49.19133843	.00000006	00000-0	00000 0 0	34
2	13065	82.9022	144.3350	0042431	292.8166	76.7950	13.74084804	44
1	13065U	82 12	A 82	49.33697984	.00000006	00000-0	00000 0 0	42
2	13065	82.8836	144.2255	0043244	284.8930	74.7122	13.74043267	62
1	13065U	82 12	A 82	49.48261440	.00000006	00000-0	00000 0 0	53
2	13065	82.9100	144.1240	0042453	281.6646	77.9830	13.74079257	81
1	13065U	82 12	A 82	50.50204822	.00000015	00000-0	99999-6 0	72
2	13065	82.9053	143.3500	0042348	278.6914	80.9478	13.74078737	226
1	13065U	82 12	A 82	51.44866591	.00000100	00000-0	99999-4 0	89
2	13065	82.9037	142.6560	0042590	276.1740	83.4551	13.74081118	355
1	13065U	82 12	A 82	53.25909616	.00000101	00000-0	99999-4 0	109
2	13065	82.9032	141.3035	0042632	270.8475	88.7786	13.74081784	501

82-13A

Kosmos 1340

1	13067U	82 13	A 82 50.26527541	.00000009	00000-0	00000 0 0	21
2	13067	81.2052	199.1505 0015381	108.7570	251.5789	14.76896214	31
1	13067U	82 13	A 82 50.26526954	.00000018	00000-0	12510-5 0	34
2	13067	81.2092	199.1377 0019572	119.7039	240.6474	14.77194021	37
1	13067U	82 13	A 82 50.46847125	.00000017	00000-0	12510-5 0	42
2	13067	81.2058	197.9416 0014914	95.8954	264.0633	14.76791778	53
1	13067U	82 13	A 82 50.46853376	.00000018	00000-0	12510-5 0	59
2	13067	81.2111	197.9403 0014715	95.9254	264.3666	14.76804423	66
1	13067U	82 13	A 82 51.41709259	.00001996	00000-0	28036-3 0	79
2	13067	81.2096	196.9076 0014749	93.6449	266.6444	14.76813152	204
1	13067U	82 13	A 82 53.31417483	.00001474	00000-0	20734-3 0	97
2	13067	81.2111	194.8451 0014575	87.4661	272.8234	14.76821478	487
1	13067U	82 13	A 82 55.27900756	.00003807	00000-0	53932-3 0	115
2	13067	81.2092	192.7064 0014730	82.1372	278.1545	14.76835213	774

1	13067U	82	13	A	82	55.61777027	.00002492	00000-0	35213-3 0	128
2	13067	81.2095	192.3380	0014726		80.4737	279.8100	14.75833563		822
1	13067U	82	13	A	82	56.29529445	.00004117	00000-0	53302-3 0	134
2	13067	81.2093	191.5995	0014702		79.8110	280.4993	14.76842902		929
1	13067U	82	13	A	82	58.32784884	.00004772	00000-0	67593-3 0	150
2	13067	81.2095	189.3990	0014567		73.8358	286.4499	14.76858377		1222

82-14A

Westar 4

1	13069U	82 14	A 82	59.44509963	.00013154	00000-0	20015-2 0	40
2	13069	27.1094	329.0466	7305377	180.3868	178.4387	2.26511437	53

1	13069U	82 14	A 82	59.88503545	.00013412	00000-0	20677-2 0	59
2	13069	27.1098	327.9084	7305044	180.6572	177.1925	2.26525074	64

1	13069U	82 14	A 82	60.75503203	-.00000185	00000-0	00000 0 0	69
2	13069	0.2272	321.8406	0119640	193.3071	182.4337	1.01339737	82

82-15A

Molnaya TBE

1	13070U	82 15	A	82 59.91331267	.00000048	00000-0	99999-4 0	40
2	13070	62.8603		48.6228 7460498	280.0266	10.7336	1.95796002	20
1	13070U	82 15	A	82 59.42404342	.00000108	00000-0	99999-4 0	50
2	13070	62.8599		48.5434 7459806	280.0349	10.7151	1.95807573	38
1	13070U	82 15	A	82 62.99915686	.00000134	00000-0	99999-4 0	109
2	13070	62.8693		48.0121 7420122	280.0843	10.9051	2.00550941	109
1	13070U	82 15	A	82 62.99921925	.00000134	00000-0	99999-4 0	113
2	13070	62.8693		48.0121 7420122	280.0843	10.9501	2.00550948	106
1	13070U	82 15	A	82 63.49734712	.00000145	00000-0	99999-4 0	123
2	13070	62.8785		47.9107 7419931	280.0723	10.9537	2.00546366	112

82-16A

Kosmos 1341

1	130900	82 16	A 32	62.73142454	.30000051	00200-0	00000 0 0	22
2	13090	62.8926	196.2550	7338777	318.0699	4.4958	2.03355103	27
1	130910	82 16	B 82	62.37018692	.20843943	91121-5	17541-2 0	45
2	13091	62.9214	194.3406	0283083	119.6042	243.5314	15.54896342	99
1	130920	82 16	C 82	63.05232051	.01517312	35501-4	12149-2 0	32
2	13092	62.8997	193.4937	0319107	121.7497	243.4821	15.59155846	119

82-17A

Intelsat 5 F-4

1	1309317	82	17	A	82	83.85669769	-	.00004533	31343-4	00000	0	0	15
2	13083	24	.1223	349	.9294	7315641	178	.3308	215.3907	2.28090432			05

82-18A

Kosmos 1342

1	13094U	92 18	A 82	64.50530881	-.00001692	11656-4	00000 0 0	10
2	13084	72.8847	330.0136	0079996	92.3326	268.9668	16.10010057	12
1	13084U	92 19	A 82	65.00236797	-.00000156	00000-0	00000 0 0	26
2	13084	72.8692	328.7314	0054921	85.6346	274.9452	16.03207260	92
1	13084U	92 19	A 92	65.06479889	-.00000151	00000-0	00000 0 0	30
2	13084	72.8649	328.5775	0052752	84.9916	275.8248	16.03615970	103
1	13094U	82 18	A 92	65.31396245	-.00007564	00000-0	-97695-5 0	51
2	13084	72.8590	327.9427	0045970	76.5072	284.1271	16.06056316	149
1	13084U	92 18	A 82	65.50093495	.00193999	19084-4	22904-3 0	64
2	13084	72.8569	327.4654	0045935	75.3054	285.3649	16.06153045	172
1	13084U	82 18	A 82	65.18592708	.00195971	19338-4	22904-3 0	77
2	13084	72.8599	325.7156	0045631	73.5972	286.9219	16.06333257	291
1	13094U	82 18	A 82	67.30692351	.00113544	80848-5	13131-3 0	93
2	13084	72.3598	322.8504	0045717	71.7656	239.7027	16.06538950	463

1	13084U	82 18	A 82 69.30323037	.00121590	89766-5	13347-3 0	109
2	13084	72.3577	320.3058 0045379	69.1842	291.4451	16.06792737	627
1	13084U	82 18	A 82 69.23709918	.00129939	99821-5	14647-3 0	104
2	13084	72.8590	317.9184 0044375	66.8553	293.7787	16.07028858	770
1	13084U	82 18	A 82 70.17081397	.00130955	10005-4	14564-3 0	120
2	13084	72.8557	315.5269 0043909	64.1321	296.4428	16.07271223	921
1	13084U	82 18	A 82 70.23305730	.00130600	10070-4	14517-3 0	135
2	13084	72.8576	315.3677 0043839	64.0968	296.4777	16.07268677	931
1	13084U	82 18	A 82 70.29529988	.00129389	99901-5	14318-3 0	147
2	13084	72.8560	315.2110 0044444	63.9909	296.5729	16.07300193	948
1	13084U	82 18	A 82 71.04216636	.00119556	85905-5	14318-3 0	154
2	13084	72.8566	313.2954 0043994	69.1395	291.1169	16.06152851	1062
1	13084U	82 18	A 82 71.16679792	.00117089	81915-5	14318-3 0	165
2	13084	72.8565	312.9792 0045239	69.9584	290.4532	16.06716731	1099
1	13084U	82 18	A 82 71.29143871	.00011094	00000-0	13745-4 0	173
2	13084	72.8545	312.6554 0044099	69.3549	291.2494	16.06713151	1109
1	13084U	82 18	A 82 73.28487480	.00116803	82409-5	14043-3 0	191
2	13084	72.8572	307.5669 0042986	65.9260	294.7097	16.06185078	1429
1	13084U	82 18	A 82 74.29136538	.00119019	86332-5	13980-3 0	203
2	13084	72.3569	305.0198 0042999	63.2041	297.3527	16.06416225	1582

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Kosmos 1342

forts. 1

1 13084U 82 18 A 82 75.27771975 .00120955 89105-5 14111-3 0 210

2 13084 72.8604 302.4702 0042890 60.6275 299.9125 16.05654494 1746

1 13084U 82 18 A 82 75.27772073 .00120967 88471-5 14111-3 0 223

2 13084 72.8604 302.4702 0042899 60.6289 299.9139 16.05654497 1749

1 13084U 82 18 A 82 75.14940828 .00127376 95779-5 14639-3 0 236

2 13084 72.8553 300.2411 0043066 58.1599 302.3337 16.06958386 1983

1 13084U 82 18 A 82 75.27393376 .00116352 93301-5 13369-3 0 249

2 13084 72.8604 299.9243 0042972 57.8938 302.6451 16.06379173 1905

1 13084U 82 18 A 82 77.27000298 .00110361 98769-5 13539-3 0 255

2 13084 72.8555 297.3762 0042530 55.6747 304.8463 16.07115132 2067

1 13084U 82 18 A 82 78.26592224 .00123063 93173-5 13539-3 0 250

2 13084 72.8563 294.9234 0039799 52.9362 307.9324 16.07814469 2221

82-19A

IMFWS [DSP?]

1	13088U	82	19	A	82	67.55590605	-.00000225	00000-0	00000 0 0	31
2	13088		1.9715		279.3352	0000335	155.6604	203.9203	1.01097915	33
1	13089U	82	19	B	82	67.55544230	-.00000225	00000-0	00000 0 0	15
2	13089		1.9738		279.2896	0007979	151.3863	209.0582	1.01093473	16
1	13089U	82	19	B	82	69.53804903	-.00000225	00000-0	00000 0 0	43
2	13089		1.9537		279.9097	0008603	141.8655	217.4487	1.01078197	33

82-20A

Gorizont 5

1	13092U	82 20	A	82 73.47899717	-.00000019	00000-0	00000 0 0	24	
2	13092	0.7896		251.3229	0005358	253.9261	294.1397	0.93439075	13

1	13092U	82 20	A	82 73.47899717	-.00000010	00000-0	99999-4 0	14	
2	13092	0.7001		188.3046	0000011	27.9248	218.3295	0.93402265	15

1	13093U	31 21	B	82 74.97932845	.04469694	60045-4	16856-3 0	41	
2	13093	51.6460		247.3735	0024853	323.9383	35.9836	16.41111769	162

1	13094U	82 20	C	82 75.77290172	.05219369	60961-4	13978-3 0	77	
2	13094	51.5447		242.3363	0005225	254.0021	106.9415	16.45443479	296

1	13095U	82 20	D	82 75.15428059	.04718268	59577-4	39190-3 0	29	
2	13095	51.6397		246.3367	0004556	273.1719	86.8317	16.38875349	166

1	13099U	82 20	E	82 79.71296301	.00003008	00000-0	11757-2 0	25	
2	13099	47.4230		250.2952	7308355	1.0612	359.4641	2.23922957	115

82-21A

Kosmos 1343

1	13096U	82 21	A 82	76.49132583	-.00001753	12265-4	00000 0 0	10
2	13096	72.2636	335.8084	0069478	59.5724	271.5242	16.11798720	12
1	13096U	82 21	A 82	77.17405704	-.00007153	00000-0	00000 0 0	34
2	13096	72.2437	335.0449	0045083	77.7304	291.8039	16.06102228	125
1	13096U	82 21	A 82	77.17424815	-.01293223	00000-0	-19381-2 0	44
2	13096	72.2428	335.0450	0045203	79.1663	282.4825	16.06045749	122
1	13096U	82 21	A 82	77.42347317	.00095700	64221-6	11419-3 0	55
2	13096	72.2429	334.4078	0045181	78.0234	283.7192	16.06121193	156
1	13096U	82 21	A 82	78.29539018	.00136972	10935-4	16098-3 0	50
2	13096	72.2418	332.1779	0044717	75.8264	294.9109	16.06334128	302
1	13096U	82 21	A 82	80.35027847	.00142320	11344-4	15252-3 0	55
2	13096	72.2392	325.9104	0044294	70.4333	290.0303	16.06231200	234

1	13096U	82	21	A	82	81.47092064	.00136640	10959-4	15374-3	0	95
2	13096	72.8370	324.0526	0043960		67.6873	292.9194	16.07093137			311

1	13096U	82	21	A	82	82.28011699	.00129608	10043-4	14415-3	0	108
2	13096	72.8372	321.9809	0043711		65.4728	295.0487	16.07293701			644

1	13096U	82	21	A	82	83.27592865	.00123528	93471-5	13578-3	0	119
2	13096	72.8349	319.4258	0043067		62.7478	297.7700	16.07534276			1105

1	13096U	82	21	A	82	84.08491891	.00098143	25900-5	13578-3	0	123
2	13096	72.8429	317.3481	0079776		70.5413	286.7830	15.99749225			1239

1	13096U	82	21	A	82	85.06133663	.00108828	73177-5	15745-3	0	148
2	13096	72.8433	312.6001	0071877		70.1526	290.6847	16.00126174			1532

1	13096U	82	21	A	82	87.27425753	.00096860	62341-5	13802-3	0	159
2	13096	72.8377	309.2703	0071945		67.1162	293.7653	16.00362703			1743

1	13096U	82	21	A	82	87.27425753	.00096860	62341-5	13802-3	0	170
2	13096	72.8377	309.2703	0071945		67.1162	293.7653	16.00362703			1743

1	13096U	82	21	A	82	88.27439389	.00093684	60038-5	13238-3	0	198
2	13096	72.8366	306.7326	0071549		64.7188	296.1435	16.00547262			1903

1	13096U	82	21	A	82	89.21192080	.00185545	29998-5	13238-3	0	215
2	13096	72.8389	304.3510	0016797		112.4386	261.3279	16.15579696			2051

82-22A

STS-3

1	13106U	82 22	A 82	91.59506491	.01201591	97963-3	11105-2 2	25
2	13106	38.0119	296.5135	0006555	273.7770	287.5896	16.11553793	07
1	13106U	82 22	A 82	91.72337775	.01029373	64266-3	11105-2 0	39
2	13106	38.0219	296.3283	0009467	4.5481	355.3512	16.09097925	09
1	13106U	82 22	A 82	91.79538083	.02369945	25110-1	37591-2 0	43
2	13106	38.0221	295.9915	0010042	320.2461	39.7500	16.11362510	17
1	13106U	82 22	A 82	81.84733235	.02285200	24329-1	37591-2 0	54
2	13106	38.0205	295.4772	0005266	260.4272	99.5528	16.11170101	23
1	13106U	82 22	A 82	82.29149425	-.15075549	30102-0	13381-1 0	69
2	13106	38.0228	292.4842	0012373	260.7451	101.5637	16.12070442	99
1	13106U	82 22	A 82	82.34296797	-.35394669	15506-2	51935-1 0	71
2	13106	37.9868	292.0685	0010919	251.5837	99.0250	16.11969121	100
1	13106U	82 22	A 82	93.33425160	.01218976	10220-2	10901-2 0	85
2	13106	38.0269	295.2320	0006343	266.6425	93.7793	16.12051794	116

1	13106U	82 22	A 82	82.58385568	-.50499344	97035-2	51935-1 0	93
2	13106	38.0401	290.4285	0011390	249.5783	69.3828	16.11805253-	140
1	13106U	82 22	A 82	82.59082465	.00994468	51456-3	89337-3 0	94
2	13106	38.0346	290.3639	0009927	282.1020	77.3191	16.11772456	149
1	13106U	82 22	A 82	83.51996720	.00266524	38220-4	23202-3 0	105
2	13106	38.0253	283.9504	0006226	267.2214	92.6707	16.12160608	142
1	13106U	82 22	A 82	84.32497267	.00561063	17404-3	46271-3 0	115
2	13106	38.0259	278.3886	0005490	273.3364	87.1383	16.12967149	273
1	13106U	82 22	A 82	85.66666423	.01193365	93307-3	11105-2 0	132
2	13106	38.0273	269.2862	0019855	275.2973	331.4728	16.11033339	120
1	13106U	82 22	A 82	86.51543092	.00249020	34145-4	21375-3 0	157
2	13106	38.0294	262.6716	0020607	286.4973	73.1663	16.11900133	789
1	13106U	82 22	A 82	86.51543092	.00249020	34145-4	21375-3 0	168
2	13106	38.0294	262.6716	0020607	286.4973	73.1663	16.11900133	789
1	13106U	82 22	A 82	86.73958333	.01276509	11043-2	11105-2 0	172
2	13106	38.0273	261.8047	0010194	285.3141	74.9275	16.12024228	805
1	13106U	82 22	A 82	87.23480107	.00154103	15292-4	13053-3 0	189
2	13106	38.0325	258.3859	0019299	297.6839	62.1950	16.12195195	588
1	13106U	82 22	A 82	87.29673077	.00436685	10170-3	35175-3 0	193
2	13106	38.0411	257.9532	0019745	294.5552	65.3785	16.12439967	992

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STS-3

(forts. 1)

1	13106U	82	22	A	02	89.79215013	.00534511	15925-3	40248-3	0	219
2	13106	38.0511	247.5645	0016421	318.2071	41.7735	16.13953944	1139			

1	13106U	82	22	A	02	89.33879650	.00569637	18269-3	40248-3	0	225
2	13106	38.0504	243.8191	0019297	329.9335	30.3007	16.14709803	1220			

1	13106U	82	22	A	02	89.58606025	.00824736	41128-3	55142-3	0	232
2	13106	38.0513	242.0974	0019224	322.2026	38.0109	16.15271332	1267			

82-23A

Molniya 3T

1	131080	82	23	E	82	83.12458690	-	.00005041	34694-4	00000 0 0	13
2	13108	62.8603	133.8060	0326554	115.2620	246.5738	15.51133361				13

1	131090	82	23	C	82	83.12453690	-	.00000511	00000-0	00000 0 0	16
2	13109	62.8368	133.9232	0284099	121.2989	241.6497	15.53253967				16

1	131070	82	23	A	82	83.06005993		.00000006	00000-0	00000 0 0	31
2	13107	62.8851	134.1308	7405600	288.0507	9.2962	1.95700710				04

1	131070	82	23	A	82	83.06005529		.00000007	00000-0	00000 0 0	15
2	13107	62.8275	134.0960	7406195	288.0462	9.2939	1.95657731				05

82-24A

Kosmos 1344

1	13110U	92	24	A	82	83.95647136	.00000006	00000-0	00000 0 0	-24
2	13110	92.9184	146.7984	0029558	283.5014	76.3842	13.72925284			25
1	13110U	92	24	A	82	84.17513723	.00000006	00000-0	00000 0 0	56
2	13110	92.9392	146.6374	0026214	278.2924	81.5500	13.72581374			56

82-25A

Meteor-2

1	13113U	82 25	A 82	84.68555140	.20000006	00000-0	00000 0 0	22
2	13113	82.5312	356.6528	0018474	280.4023	74.9749	13.34241665	44
1	13113U	82 25	A 82	84.75875874	.20000006	00000-0	00000 0 0	30
2	13113	82.5408	356.6200	0013498	266.1088	93.4371	13.33603302	63
1	13113U	82 25	A 82	85.04810133	.20000006	00000-0	00000 0 0	41
2	13113	82.5468	356.3953	0014038	268.4977	91.4732	13.93658813	109

82-26A

Kosmos 1345

1	13119U	82 26	A 82	90.43159590	-.00000025	00000-0	00000 0 0	16
2	13118	74.0543	331.5633	0030743	341.4944	18.5158	15.13856190	28
1	13118U	82 26	A 82	91.55397787	.00012972	00000-0	71005-3 0	59
2	13118	74.0411	329.2339	0030189	338.8196	15.4506	15.13973468	190

82-27A

Kosmos 1346

1	13120U	82 27	A 82 90.74439294	.00000009	00000-0	00000 0 0	19
2	13120	81.1648	99.4409 0020297	331.7128	28.2977	14.79846541	00
1	13120U	82 27	A 82 90.81217201	.00000008	00000-0	00000 0 0	29
2	13120	81.1754	99.3784 0027878	5.2371	354.9186	14.76395378	15
1	13120U	82 27	A 82 90.81217079	.00000008	00000-0	00000 0 0	33
2	13120	81.1754	99.3784 0027878	5.2371	354.9119	14.76396338	18
1	13120U	82 27	A 82 91.42211926	.00000008	00000-0	00000 0 0	53
2	13120	81.1705	98.7150 0027288	2.9850	357.1618	14.76415885	104

82-28A

Kosmos 1347

1	13122U	82 28	A	82	92.42214959	-.00002697	18498-4	00000 0 0	0'
2	13122	70.3552			27.4257 0114725	66.5233	294.7994	16.02500398	2:
1	13122U	82 28	A	82	92.54669205	-.00002701	18718-4	00000 0 0	21
2	13122	70.3637			27.0008 0126295	64.8660	296.5433	16.06563154	20
1	13122U	82 28	A	82	92.73348945	.00640920	18903-4	25339-3 0	31
2	13122	70.3466			26.4781 0125661	65.0632	290.4481	15.06824258	59
1	13122U	82 28	A	82	92.85744448	.02929288	18435-4	10949-2 0	41
2	13122	70.3550			26.1515 0114660	66.0989	295.2827	16.09906558	73
1	13122U	82 28	A	82	92.91956013	.02829967	18581-4	10949-2 0	57
2	13122	70.3391			25.9295 0125039	65.1955	292.4449	16.07521313	83
1	13122U	82 28	A	82	93.16900591	.02730242	18707-4	10949-2 0	53
2	13122	70.3373			25.1992 0120152	65.3668	295.3110	16.08124125	121
1	13122U	82 28	A	82	93.23132106	.02297135	19004-4	10949-2 0	71
2	13122	70.3301			25.0301 0107721	59.3689	302.0147	16.08687250	133
1	13122U	82 28	A	82	93.29355931	.00980309	18718-4	33523-3 0	84
2	13122	70.3353			24.8361 0121785	64.2702	297.3959	16.07948643	145

1	13122U	82 29	A	82 93.35576878	.00996399	19161-4	39114-3 0	90
2	13122	70.3344		24.6544 0121580	64.1574	297.2120	16.09078004	154

1	13122U	82 28	A	82 93.91545247	.00949274	19198-4	35737-3 0	113
2	13122	70.3335		23.0113 0118554	63.3962	297.9449	16.09094261	243

1	13122U	82 28	A	82 94.35049193	.00961346	19516-4	34265-3 0	131
2	13122	70.3355		21.7396 0116908	62.1099	299.1912	16.09959031	313

1	13122U	82 28	A	82 95.28193763	.00994839	19510-4	32666-3 0	159
2	13122	70.3348		19.0012 0111450	60.8909	300.3362	15.11831135	450

1	13122U	82 28	A	82 96.21230144	.01085494	19230-4	32714-3 0	161
2	13122	70.3357		16.2604 0105775	59.2115	301.9549	16.13758740	613

1	13122U	82 28	A	82 96.27428307	.01042254	19143-4	30508-3 0	177
2	13122	70.3344		16.0733 0106536	59.1801	301.9740	16.13891646	624

1	13122U	82 28	A	82 96.27428307	.01042254	19143-4	30508-3 0	188
2	13122	70.3344		16.0733 0106536	59.1801	301.9740	16.13891646	524

1	13122U	82 29	A	82 97.26529578	.01155702	18842-4	30121-3 0	224
2	13122	70.3341		13.1479 0100333	57.3839	303.7131	16.16179142	780

1	13122U	82 29	A	82 97.45094809	.00878950	18315-4	30226-3 0	234
2	13122	70.3316		12.5987 0152609	64.4750	291.1985	16.03040164	811

1	13122U	82 28	A	82 97.76394519	.00983887	18758-4	31054-3 0	261
2	13122	70.3383		11.5949 0147931	63.4673	298.1351	16.03811959	864

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Kosmos 1347 fortset

1	13122U	92 28	A	92 98.20052999	.00984174	18236-4	29536-3 0	279
2	13122	70.3273		10.4222 0152336	63.6154	298.1075	16.04333446	937

1	13122U	92 28	A	82 99.19751807	.00920344	18576-4	28377-3 0	292
2	13122	70.3345		7.5165 0142288	61.4113	300.0351	16.06199152	1090

1	13122U	82 28	A	82 99.19751807	.00920344	18576-4	28377-3 0	304
2	13122	70.3345		7.5165 0142288	61.4113	300.0351	16.06199152	1090

1	13122U	92 28	A	82 99.33337292	.00971545	18544-4	28377-3 0	316
2	13122	70.3372		6.2401 0140254	60.6569	300.9939	16.07114334	1165

1	13122U	82 28	A	82100.25554125	.01018151	18932-4	28355-3 0	327
2	13122	70.3351		4.4210 0136014	59.9401	301.6910	16.08424431	1266

1	13122U	82 28	A	82100.31504109	.01195182	18507-4	31449-3 0	333
2	13122	70.3299		2.7830 0131172	58.1305	303.3747	16.09929845	1351

1	13122U	82 28	A	82101.06342393	.01467981	18666-4	37022-3 0	340
2	13122	70.3335		2.0517 0128686	58.3899	303.1942	16.10815664	1393

1	13122U	82 28	A	82101.93212040	.01415572	18318-4	31436-3 0	379
2	13122	70.3313		359.4957 0121232	57.0134	304.2078	16.13249743	1534

1	13122U	92 28	A	82102.05612873	.01069661	18527-4	31436-3 0	384
2	13122	70.3337		359.1351 0161875	64.6332	292.2637	16.02498891	1553

1	13122U	82 28	A	82102.24421939	.00987663	17992-4	23513-3 0	394
2	13122	70.3344	358.5889	0161177	63.7213	297.9757	16.02796856	1583

1	13122U	82 28	A	82103.24217852	.01081797	18522-4	29524-3 0	401
2	13122	70.3373	355.6860	0153335	62.2755	299.7137	16.04961065	1742

1	13122U	82 28	A	82104.11417272	.01163443	18786-4	27438-3 0	410
2	13122	70.3310	353.1395	0147855	60.5452	321.1129	15.06943595	1889

1	13122U	82 28	A	82104.23864748	.01141547	18750-4	26995-3 0	428
2	13122	70.3306	352.7759	0146615	60.3623	301.2045	16.07217812	1902

1	13122U	82 28	A	82105.91699265	.01239050	18171-4	24188-3 0	441
2	13122	70.3120	347.8282	0170284	59.4340	298.5377	16.02549187	2179

1	13122U	82 28	A	82105.10488579	.01057660	18568-4	24188-3 0	453
2	13122	70.3274	347.3179	0203715	60.5655	295.5773	15.94136907	2200

1	13122U	82 28	A	82106.29415499	.01062167	18459-4	23424-3 0	464
2	13122	70.3273	346.7710	0202630	59.9075	302.2053	15.94540205	2236

1	13122U	82 28	A	82106.29415354	.01062225	18131-4	23424-3 0	477
2	13122	70.3273	346.7710	0202630	59.9074	302.1971	15.94540200	2238

1	13122U	82 28	A	82107.04654420	.02533322	18201-4	24414-3 0	492
2	13122	70.3341	344.6032	0203016	56.5414	305.6192	15.98273164	2350

1	13122U	82 28	A	82107.17166991	.02531155	18489-4	24414-3 0	509
2	13122	70.3321	344.2372	0201935	56.4916	305.3685	15.98518398	2371

1	13122U	82 28	A	82107.67212427	.01681141	18168-4	16486-3 0	525
2	13122	70.3416	342.7983	0194832	55.8005	306.3689	16.00074511	2459

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Kosmos 1347

parts. 2

1	13122U	82 28	A	82107.67212427	.01631141	18168-4	16486-3 0	526
2	13122	70.3416	342.7983	0194332	55.6005	306.3589	16.00074511	2459
1	13122U	82 28	A	82107.92204459	.01914657	13492-4	19203-3 0	537
2	13122	70.3272	342.0711	0190827	55.5197	306.3766	16.01153323	2490
1	13122U	82 28	A	82108.29671874	.01885129	18718-4	17277-3 0	544
2	13122	70.3304	340.9698	0125438	54.8740	306.9922	16.02580223	2558
1	13122U	82 28	A	82109.66756680	.02137414	18737-4	15457-3 0	564
2	13122	70.3205	336.9283	0156325	52.4283	309.3046	16.03194256	2770
1	13122U	82 28	A	82110.22691542	.02232652	18931-4	14710-3 0	572
2	13122	70.3278	335.3434	0157231	51.6391	310.0137	16.10761829	2869
1	13122U	82 28	A	82110.97125579	.00895503	18984-4	39922-3 0	586
2	13122	70.3236	333.1735	0137737	54.9439	279.5066	16.03580484	2983
1	13122U	82 28	A	82111.28606233	.00998361	19626-4	39922-3 0	620
2	13122	70.3235	332.2493	0140569	63.2202	298.1477	16.04079824	3031
1	13122U	82 28	A	82111.84714062	.00732032	19616-4	30759-3 0	647
2	13122	70.3213	330.6199	0134620	63.7525	297.2573	16.04802823	3127
1	13122U	82 28	A	82112.28346520	.00807206	19642-4	32899-3 0	559
2	13122	70.3202	329.3490	0132384	62.5317	299.0543	16.05555673	3199

1 13122U 82 28 A 82113.27979170 .00764591 19074-4 29638-3 0 669
2 13122 70.3193 325.4409 0127169 61.0293 300.2062 16.07103911 3352

1 13122U 82 28 A 82114.33741890 .00821012 18717-4 29151-3 0 679
2 13122 70.3184 323.3370 0122584 58.7626 302.7730 16.08861593 3521

1 13122U 82 28 A 82115.26956450 .00923727 19304-4 30649-3 0 686
2 13122 70.3169 321.6003 0117313 57.0784 304.4637 16.10532901 3574

1 13122U 82 28 A 82115.95333947 .01553531 18732-4 72841-3 0 590
2 13122 70.3136 319.5940 0136025 68.7213 292.3639 16.03379929 3781

1 13122U 82 28 A 82116.26524330 .00876052 18498-4 40523-3 0 701
2 13122 70.3191 317.6960 0134796 67.9456 293.5742 16.03790154 3831

1 13122U 82 28 A 82117.13803970 .00739143 18519-4 33330-3 0 710
2 13122 70.3181 315.1446 0129940 66.3079 294.6244 16.05018129 3972

1 13122U 82 28 A 82117.20045664 .00723443 18465-4 32004-3 0 720
2 13122 70.3216 314.9602 0130541 66.6094 294.3577 16.05096330 3985

1 13122U 82 28 A 82118.32162388 .00783597 18312-4 32448-3 0 732
2 13122 70.3233 311.5967 0125038 64.7129 296.6923 16.05861854 4162

1 13122U 82 28 A 82119.19272196 .00888693 19095-4 33735-3 0 756
2 13122 70.3194 309.1353 0121573 63.1563 298.2025 16.08418873 4303

82-28A

Kosmos 1347 parts. 3

1	13122U	82 29	A	82120.18719959	.00951059	19304-4	33735-3	0	761
2	13122	70.3148		306.2213 0115142	60.9303	300.3780	16.10354339		4465
1	13122U	82 28	A	82120.74503047	.01025066	19145-4	34310-3	0	779
2	13122	70.3176		304.5770 0111830	60.1548	301.1216	16.11569073		4554
1	13122U	82 29	A	82121.18040033	.00989260	19331-4	32265-3	0	786
2	13122	70.3168		303.2955 0108485	59.4604	301.7771	16.12471915		4621
1	13122U	82 28	A	82121.98645942	.05354051	19029-4	13384-2	0	798
2	13122	70.3254		300.9323 0095841	54.9327	308.4912	16.17406564		4753
1	13122U	82 28	A	82121.98604582	.02655350	18652-4	13384-2	0	809
2	13122	70.3266		300.9116 0133543	94.7367	250.3586	16.03109138		4757
1	13122U	82 28	A	82122.23846459	.00475984	18605-4	21122-3	0	819
2	13122	70.3078		300.1928 0138931	99.4943	262.2132	16.03399198		4793
1	13122U	82 28	A	82123.23627309	.00679336	18963-4	34531-3	0	823
2	13122	70.3140		297.2935 0124882	94.9640	266.7196	16.04752562		4953
1	13122U	82 28	A	82127.34256660	.00752785	19010-4	29153-3	0	848
2	13122	70.3123		285.2695 0107908	86.8816	274.5649	16.10869779		5613
1	13122U	82 28	A	82127.34256660	.00752785	19010-4	29153-3	0	859
2	13122	70.3123		285.2695 0107908	86.8816	274.5649	16.10869778		5613

1	13122U	82028	A	82126.28535830	.00727919	19525-4	00000-0 0	00991
2	13122	70.3144		299.3735 0111919	39.5149	272.9928	16.09255592	5447
1	13122U	82 28	A	82127.34256660	.00752795	19010-4	29153-3 0	871
2	13122	70.3123		295.2695 0107908	86.8816	274.5549	16.10869778	5613
1	13122U	82 28	A	82128.27361356	.00816253	19264-4	29465-3 0	905
2	13122	70.3123		282.5273 0103587	84.4667	277.0352	16.12401462	5766
1	13122U	82 28	A	82128.76976572	.00437891	13002-4	29465-3 0	913
2	13122	70.3247		281.0719 0138205	105.3006	250.9622	16.99066623	5945
1	13122U	82 28	A	82128.89581127	.00813021	19512-4	29465-3 0	920
2	13122	70.3170		280.7037 0150735	108.4426	254.1458	16.02935305	5964
1	13122U	82 28	A	82129.20765635	.00795596	19850-4	29406-3 0	930
2	13122	70.3142		279.7973 0149221	107.4631	254.2641	16.03393759	5910
1	13122U	82 28	A	82130.20528190	.00892243	18722-4	29855-3 0	940
2	13122	70.3109		276.8936 0143386	105.4652	256.2428	16.05214051	6073
1	13122U	82 28	A	82131.82402981	.00933085	19103-4	29615-3 0	952
2	13122	70.3117		272.1563 0133476	102.2054	259.3792	16.08234156	6339
1	13122U	82 28	A	82132.32147941	.00994028	18510-4	29883-3 0	977
2	13122	70.3095		277.6991 0130269	101.1228	260.4511	16.09222751	6410
1	13122U	82 28	A	82133.31545023	.01055613	19969-4	27941-3 0	983
2	13122	70.3086		267.7767 0124184	99.2422	262.4303	16.11312600	6574
1	13122U	82 28	A	82133.75120713	.00734070	18663-4	27941-3 0	998
2	13122	70.3091		266.4999 0158822	109.4000	253.1281	16.00778031	6647

82-28A

Kosmos 1347 forts.4

1	13122U	82 28	A	82134.18842687	.00829837	18046-4	30858-3 0	1002
2	13122	70.3096		265.2357 0156460	108.2533	253.6024	16.01491290	6719
1	13122U	82 28	A	82135.18728797	.00829560	18197-4	29291-3 0	1018
2	13122	70.3095		262.3312 0150943	106.3993	255.2772	16.03136407	6879
1	13122U	82 28	A	82135.31207315	.00852144	18296-4	29572-3 0	1023
2	13122	70.3114		261.9653 0150618	106.1532	255.5247	16.03366583	6893
1	13122U	82 28	A	82137.24399945	.00918592	18942-4	28225-3 0	1048
2	13122	70.3093		255.3328 0138980	102.2297	259.3982	16.06917228	7203
1	13122U	82 28	A	82138.11508779	.00939024	18716-4	26312-3 0	1054
2	13122	70.3095		253.7818 0134212	100.9509	260.7970	16.08573214	7343
1	13122U	82 28	A	82138.92300795	.00983828	18764-4	25812-3 0	1065
2	13122	70.3069		251.4041 0127228	99.0605	262.5494	16.10429184	7470
1	13122U	82 28	A	82139.41975712	.01095122	19079-4	28687-3 0	1074
2	13122	70.3090		249.9464 0123600	98.0207	263.6135	16.11524143	7557
1	13122U	82 28	A	82139.79207354	.01127989	19296-4	28127-3 0	1093
2	13122	70.3061		248.8476 0121412	96.9176	264.5917	16.12409777	7618
1	13122U	82 28	A	82139.97816371	.01183437	19253-4	28945-3 0	1101
2	13122	70.3070		248.2984 0119810	96.6665	264.8888	16.12905199	7648

1	13122U	82	28	A	82141.21730099	.01266545	19605-4	25904-3	0	1120
2	13122	70	.3061		244.6323	0110439	93.8753	267.1931	16.16016266	7847
1	13122U	82	29	A	82141.89736626	.01233513	19286-4	22571-3	0	1144
2	13122	70	.3083		242.6134	0104313	92.9814	268.3354	16.17832409	7952
1	13122U	82	28	A	82141.95969380	.45583117	19261-4	79375-2	0	1154
2	13122	70	.3089		242.4261	0070329	89.5823	272.3266	16.25340090	7965

82-29A

Kosmos 1348

1	13124U	82	29	A	82	98.11337699	-.00000062	00000-0	00000 0 0	10
2	13124	62.8451	350.5654	7352812	317.8330	4.9164	2.03182430			19
1	13125U	82	29	B	82	98.00788172	-.00000537	00000-0	00000 0 0	23
2	13125	62.8596	349.2151	0274352	122.1988	240.3397	15.56811047			55
1	13126U	82	29	C	82	98.00911190	-.00005097	35302-4	00000 0 0	25
2	13126	62.9157	349.1075	0317623	116.6271	245.2925	15.53063131			75

82-30A

Kosmos 1349

1	13127U	82 30	A	82 98.06961446	.00000006	00000-0	00000 0 0	19
?	13127	82.9391		227.9024 0033685	291.4872	68.2595	13.73222659	06
1	13127U	82 30	A	82 98.14247973	.00000006	00000-0	00000 0 0	20
?	13127	82.9312		227.7455 0029691	289.4543	70.1859	13.72548425	13

82-31A

INSAT \$ 1A

1	13129U	92	31	A	82100.52152777	.00000600	00000-0	99999-4 0	16
2	13129	29.1129	108.4798	7291913	179.1338	184.6538	2.28089103	09	

1	13129U	92	31	A	82101.37596007	-.00000041	00000-0	00000 0 0	29
2	13129	8.3015	108.3473	4130055	178.8744	182.6563	1.72464560	04	

1	13129U	92	31	A	82102.53124999	-.00000205	00000-0	00000 0 0	39
2	13129	3.5149	273.0888	0089850	232.6200	322.0581	1.01643452	16	

82-32A

Kosmos 1350

1	13134U	82 32	A	82105.71949272	-.00004035	29021-4	00000 0 0	17
2	13134	67.1558		47.1453 0140326	74.5790	285.9883	16.03507443	29
1	13134U	82 32	A	82105.78204212	-.00004016	27302-4	00000 0 0	29
2	13134	67.1639		46.9166 0139879	73.9622	287.5875	16.03855458	35
1	13134U	82 32	A	82105.96910719	.00930753	28222-4	33449-3 0	39
2	13134	67.1369		46.2527 0137968	73.6759	287.9815	16.04207610	66
1	13134U	82 32	A	82106.15612260	.00962209	27615-4	33449-3 0	48
2	13134	67.1342		45.6204 0137412	73.7558	287.9297	16.04648172	93
1	13129U	82 31	A	82107.14665569	-.00000293	00000-0	00000 0 0	52
2	13129	0.4942		274.9619 0093707	216.4993	229.3455	1.00954046	71
1	13134U	82 32	A	82105.28076010	.01100997	29149-4	44219-3 0	65
2	13134	67.1353		45.2043 0135684	73.4624	288.1313	16.04943991	116
1	13134U	82 32	A	82105.34140441	.00699703	27409-4	27995-3 0	75
2	13134	67.1518		43.3334 0132115	71.7283	289.3825	16.05722552	207
1	13134U	82 32	A	82107.21514551	.00664947	29301-4	25057-3 0	86
2	13134	67.1321		42.0590 0132191	72.1460	289.4991	16.06302743	253

1	13134U	82 32	A	82107.27741225	.00782462	27565-4	29344-3 0	90
2	13134	67.1400		41.8466 0131610	72.1525	299.5278	16.06457567	272
1	13134U	82 32	A	82108.27305765	.00866982	27799-4	30134-3 0	101
2	13134	67.1413		38.4844 0126685	71.3165	290.3675	16.09168292	430
1	13134U	82 32	A	82110.19909379	.00869715	29246-4	25113-3 0	129
2	13134	67.1365		31.9613 0117097	69.5683	291.3771	16.11485963	747
1	13134U	82 32	A	82111.00555999	.00974587	28290-4	27082-3 0	136
2	13134	67.1347		29.2176 0112536	68.9705	292.7586	15.13119450	877
1	13134U	82 32	A	82111.31544325	.00990549	28482-4	27082-3 0	141
2	13134	67.1319		28.1627 0110044	68.7967	292.5396	16.13761189	920
1	13134U	82 32	A	82111.31544325	.00990549	28482-4	27082-3 0	152
2	13134	67.1319		28.1627 0110044	68.7967	292.5396	16.13761189	920
1	13134U	82 32	A	82112.13256035	.00730316	27793-4	27082-3 0	166
2	13134	67.1354		25.2037 0130204	51.6355	305.9302	16.05854817	1063
1	13134U	82 32	A	82112.24556238	.00690724	27541-4	29020-3 0	173
2	13134	67.1354		24.9884 0125307	52.6262	308.7126	16.06944217	1072
1	13134U	82 32	A	82113.30315791	.00751106	27696-4	29360-3 0	189
2	13134	67.1295		21.4198 0119255	51.7454	309.6040	16.08506410	1248
1	13134U	82 32	A	82113.30315781	.00751106	27696-4	29360-3 0	202
2	13134	67.1295		21.4198 0119255	51.7454	309.6040	16.08506410	1248
1	13134U	82 32	A	82114.11116753	.00661930	28170-4	24386-3 0	216
2	13134	67.1266		18.6823 0116301	50.3357	310.6777	16.09684298	1370

82-32A

Kosmos 1350

Forts. 1

1	13134U	82 32	A	82115.22902438	.00608795	29415-4	27522-3 0	233
2	13134	67.1296		14.8924 0111079	49.8240	311.4127	16.11477315	1554
1	13134U	82 32	A	82115.91146537	.00948005	29480-4	27522-3 0	243
2	13134	67.1250		12.5705 0106541	49.4190	311.9991	16.12814646	1663
1	13134U	82 32	A	82116.22144274	.01020565	29321-4	32126-3 0	257
2	13134	67.1295		11.5163 0104352	49.0762	312.1128	16.13524141	1719
1	13134U	82 32	A	82117.15056865	.01022121	29324-4	29831-3 0	261
2	13134	67.1303		9.3438 0100513	48.2358	312.3566	16.15313008	1869
1	13134U	82 32	A	82117.95526105	.00677214	27618-4	29831-3 0	271
2	13134	67.1309		5.5966 0134505	63.7362	295.1723	16.04621001	1995
1	13134U	82 32	A	82118.39194399	.00712565	27479-4	29420-3 0	296
2	13134	67.1277		4.1269 0132954	63.2863	298.1907	16.05238250	2064
1	13134U	82 32	A	82119.20164014	.00754140	27849-4	29405-3 0	298
2	13134	67.1299		1.3980 0129567	62.3862	299.1922	16.05486461	2193
1	13134U	82 32	A	82119.26387074	.00755478	27665-4	29405-3 0	300
2	13134	67.1288		1.1835 0129150	62.4292	299.0087	16.06537411	2207

1 13134U 82 32 A 82120.19723754 .00826635 28088-4 30255-3 0 313
2 13134 67.1282 358.0370 0124237 61.6557 299.3411 16.08172653 2358

1 13134U 82 32 A 82121.19179441 .00910026 29328-4 31590-3 0 321
2 13134 67.1268 354.6697 0117508 60.3919 301.3330 16.10020182 2515

1 13134U 82 32 A 82122.12305241 .00873388 29375-4 27670-3 0 330
2 13134 67.1275 351.5052 0113320 59.7165 301.3997 16.11731367 2663

1 13134U 82 32 A 82123.67298496 .00972907 28772-4 25904-3 0 341
2 13134 67.1199 346.2227 0105276 58.1271 303.1209 16.14940215 2911

1 13134U 82 32 A 82123.67296614 .01013782 29473-4 26991-3 0 350
2 13134 67.1198 346.2203 0105511 58.0009 303.1361 16.14938549 2910

1 13134U 82 32 A 82124.29204957 .01062438 28768-4 26991-3 0 363
2 13134 67.1240 344.1058 0099957 57.4316 304.0115 16.15399947 3017

1 13134U 82 32 A 82124.29198715 .01167308 28762-4 29091-3 0 378
2 13134 67.1237 344.1067 0120549 57.8709 303.2268 16.16459892 3019

1 13134U 82 32 A 82125.59462951 .00604466 27437-4 22335-3 0 390
2 13134 67.1220 339.6747 0152471 72.3286 289.4207 16.02321530 3221

1 13134U 82 32 A 82125.53046537 .01462108 27435-4 30000-3 0 00453
2 13134 67.1270 336.5383 0139349 75.4003 286.2639 16.06887155 3371

1 13134U 82 32 A 82127.34081822 .00788376 27812-4 25935-3 0 456
2 13134 67.1213 333.8060 0144073 70.6617 291.0430 16.05186033 3503

82-32A

Kosmos 1350

forts. 2

1	13134U	82 32	A	82127.34081822	.00788376	27312-4	25835-3 0	467
2	13134	67.1213	333.8060	0144073	70.6617	291.0430	16.05186033	3503
1	13134U	82 32	A	82128.27501337	.00830736	27563-4	25519-3 0	525
2	13134	67.1209	330.6577	0139339	69.8861	291.9972	16.06752650	3657
1	13134U	82 32	A	82129.20824593	.00898982	28487-4	25795-3 0	531
2	13134	67.1229	327.4977	0133900	69.0131	292.9426	15.08505341	3804
1	13134U	82 32	A	82130.20242405	.00959950	28040-4	25762-3 0	542
2	13134	67.1251	324.1330	0127245	68.0260	293.4060	16.10475430	3963
1	13134U	82 32	A	82130.53702489	.00988344	28552-4	25311-3 0	550
2	13134	67.1231	322.6548	0124858	67.3395	294.0891	15.11381824	4030
1	13134U	82 32	A	82131.07139392	.01563455	28623-4	37671-3 0	561
2	13134	67.1226	321.1756	0121772	66.7319	294.3392	16.12538260	4101
1	13134U	82 32	A	82131.07139392	.01563455	28623-4	37671-3 0	572
2	13134	67.1226	321.1756	0121772	66.7319	294.3392	16.12538260	4101
1	13134U	82 32	A	82131.19685170	.01181404	27399-4	37671-3 0	585
2	13134	67.1197	320.7559	0194335	69.9399	292.2544	15.94642555	4127
1	13134U	82 32	A	82131.57306869	.01345652	27357-4	42597-3 0	597
2	13134	67.1162	319.5079	0192620	69.9161	291.5501	15.95057742	4184

1	13134U	82	32	A	82132.19989806	.00822826	26550-4	25509-3 0	605
2	13134	67.1173	317.4284	0189459	69.3422	291.6924	15.95945756	4283	
1	13134U	82	32	A	82132.22009022	.00824634	27035-4	25508-3 0	616
2	13134	67.1175	317.4286	0189480	69.3159	292.8220	15.95948652	4288	
1	13134U	82	32	A	82133.32747605	.00898036	27204-4	25134-3 0	621
2	13134	67.1178	313.6753	0182793	68.2183	294.1232	15.97968344	4462	
1	13134U	82	32	A	82134.14072213	.00919106	27659-4	25792-3 0	634
2	13134	67.1184	310.9618	0177471	67.4496	294.4920	15.99437025	4595	
1	13134U	82	32	A	82135.14058158	.01391451	28052-4	34403-3 0	654
2	13134	67.1195	307.6164	0169462	66.4208	295.4530	16.01803527	4751	
1	13134U	82	32	A	82135.32803348	.01504987	27779-4	35134-3 0	661
2	13134	67.1183	306.9893	0167851	65.9350	296.3860	16.02402890	4784	

82-34A

Kosmos 1351

1	13142U	82 34	A	82111.63791895	.00038064	00000-0	65743-3 0	22
2	13142	50.6934		165.5202 0146250	149.0516	211.8415	15.39473953	96
1	13142U	82 34	A	82112.29702005	.00041433	00000-0	71795-3 0	39
2	13142	50.6920		162.2947 0144985	151.3093	209.5504	15.39522950	195
1	13142U	82 34	A	82113.32552036	.00044793	00000-0	77229-3 0	43
2	13142	50.6913		157.1186 0144979	155.3958	205.4380	15.39621200	355
1	13142U	82 34	A	82114.36393848	.00041202	00000-0	70938-3 0	55
2	13142	50.6916		151.9451 0144929	159.5773	201.0592	15.39701946	513
1	13142U	82 34	A	82115.27252417	.00038339	00000-0	56024-3 0	61
2	13142	50.6904		147.4222 0144604	163.0943	197.4757	15.39772104	654
1	13142U	82 34	A	82116.24595964	.00046495	00000-0	79564-3 0	73
2	13142	50.6900		142.5710 0144186	166.9677	193.5788	15.39875801	805
1	13142U	82 34	A	82117.21930858	.00021745	00000-0	37800-3 0	84
2	13142	50.6908		137.7225 0143975	170.6749	189.5721	15.39939207	959

1	13142U	82	34	A	82118.38723697	.00039978	00000-0	68306-3 0	104
2	13142	50.6910	131.8998	0143952	175.2727	184.9675	15.40046515	1134	
1	13142U	82	34	A	82119.29566154	.00040038	00000-0	68306-3 0	113
2	13142	50.6914	127.3705	0143677	178.9296	181.2151	15.40122032	1272	
1	13142U	82	34	A	82121.17712164	.00046848	00000-0	79282-3 0	140
2	13142	50.6918	117.9910	0143300	186.3916	173.5424	15.40314216	1560	
1	13142U	82	34	A	82122.21507272	.00037656	00000-0	63908-3 0	165
2	13142	50.6913	112.8169	0142997	190.4104	169.3447	15.40392711	1727	

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Kosmos 1353

1	13146U	82 36	A	82113.45717980	.00000097	00000-3	00000 0 0	19
2	13146	82.4298		22.4272 0028114	127.5872	232.3051	15.15573370	19
1	13146U	82 36	A	82113.51906337	.00000091	00000-0	00000 0 0	27
2	13146	82.3563		22.5045 0023029	112.2260	249.4435	15.17555531	23
1	13146U	82 36	A	82113.51906337	.00000091	00000-0	00000 0 0	38
2	13146	82.3563		22.5045 0023029	112.2260	249.4435	15.17555531	23
1	13146U	82 36	A	82114.13765709	.00000089	00000-0	00000 0 0	41
2	13146	82.3404		21.7762 0022719	111.5707	249.1554	16.17792373	125
1	13146U	82 36	A	82114.38500062	.00226951	-18314-5	13362-3 0	69
2	13146	82.3541		21.4908 0022907	109.0568	251.3206	16.17954091	163
1	13146U	82 36	A	82115.25079046	.00221032	-19960-5	12679-3 0	84
2	13146	82.3532		20.4752 0022544	105.9122	254.4659	15.18328053	302
1	13146U	82 36	A	82115.31262550	.00233368	-15578-5	13327-3 0	94
2	13146	82.3532		20.4021 0022872	105.7019	254.6902	16.18372850	315
1	13146U	82 36	A	82115.30178230	.00271869	-19541-5	14905-3 0	123
2	13146	82.3505		19.2451 0022644	102.1312	258.2453	16.18921786	479

1	13146U	82 36	A	82117.04345402	.00257367	-20839-5	13740-3 0	149
2	13146	82.3536		18.3717 0022445	97.8284	262.5553	16.19277183	593
1	13146U	82 36	A	82117.29063979	.00244927	-15587-5	12963-3 0	151
2	13146	82.3533		18.0826 0022521	99.8898	260.4886	16.19338147	630
1	13146U	82 36	A	82118.40275401	.00250472	-20077-5	12727-3 0	161
2	13146	82.3523		16.7762 0022034	95.2756	265.1137	16.19939910	916
1	13146U	82 36	A	82119.28745606	.00256008	-19686-5	12560-3 0	176
2	13146	82.3562		15.7539 0021362	91.3610	259.5590	16.20399023	956
1	13146U	82 36	A	82120.19398360	.00223843	-17720-5	12560-3 0	202
2	13146	82.3550		14.6694 0018923	116.9211	243.4073	16.18822230	1101
1	13146U	82 36	A	82120.19398360	.00223843	-17720-5	12560-3 0	213
2	13146	82.3550		14.6684 0018923	116.9211	243.4073	16.18822230	1101
1	13146U	82 36	A	82121.12098453	.00258351	-16062-5	13994-3 0	232
2	13146	82.3535		13.5317 0018728	112.3327	247.9761	16.19300022	1251
1	13146U	82 36	A	82121.92425661	.00218721	-16377-5	11530-3 0	246
2	13146	82.3490		12.6356 0017927	109.8340	250.4370	16.19690024	1389
1	13146U	82 36	A	82122.23316730	.00259524	-17699-5	13501-3 0	251
2	13146	82.3522		12.2749 0018067	107.5249	252.8229	16.19857186	1434
1	13146U	82 36	A	82123.22143245	.00255954	-20397-5	12912-3 0	267
2	13146	82.3519		11.1140 0017846	103.7827	256.5079	16.20357417	1592

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Kosmos 1352

1	13144U	82 35	A	92111.44301611	-.00000299	00000-0	00000 0 0	29
2	13144	70.3744		30.8953 0114366	65.1435	296.1195	15.96655162	14
1	13144U	82 35	A	92111.91893014	-.00000297	00000-0	00000 0 0	32
2	13144	70.3656		29.8143 0114325	64.8892	296.4099	15.96652086	75
1	13144U	82 35	A	92112.25748921	-.00321493	00000-0	-40137-3 0	42
2	13144	70.3303		28.5991 0111448	65.5994	294.7773	15.96090695	147
1	13144U	82 35	A	92112.39272492	-.00037023	00000-0	-40137-3 0	56
2	13144	70.3792		29.2509 0048774	212.1520	147.0677	15.61925981	179
1	13144U	82 35	A	92112.39272492	-.00037023	00000-0	-40137-3 0	67
2	13144	70.3792		28.2509 0048774	212.1520	147.0677	15.61925981	179
1	13144U	82 35	A	92113.28044717	.00016695	00000-0	18142-3 0	73
2	13144	70.3797		25.8047 0049066	210.3482	149.5474	15.61958497	312
1	13144U	82 35	A	92114.37814802	.01444417	00000-0	13259-1 0	86
2	13144	70.3849		22.8288 0050966	206.8631	152.8714	15.61867222	483
1	13144U	82 35	A	92114.69838039	.00131959	00000-0	13971-2 0	96
2	13144	70.3811		21.9648 0050089	208.3291	151.4966	15.61983156	537

1	13144U	82 35	A	82115.27473094	.00020674	00000-0	22425-3 0	105
2	13144	70.3783		20.3888 0048709	207.2787	152.3376	15.61967743	627
1	13144U	82 35	A	82116.23539609	.00018112	00000-0	19666-3 0	115
2	13144	70.3805		17.7697 0048943	205.3593	154.3996	15.61970939	771
1	13144U	82 35	A	82117.19603793	-.00015343	00000-0	-15496-3 0	121
2	13144	70.3814		15.1479 0048032	203.5511	156.2352	15.61966184	821
1	13144U	82 35	A	82118.41286075	.00408641	00000-0	41951-2 0	136
2	13144	70.3839		11.8162 0048658	200.8849	159.0299	15.62061539	1112
1	13144U	82 35	A	82119.11731662	.00016133	00000-0	17627-3 0	142
2	13144	70.3794		9.9089 0048116	200.2567	159.5975	15.61984262	1220
1	13144U	82 35	A	82119.18129708	.00001737	00000-0	19784-4 0	158
2	13144	70.3784		9.7335 0048450	199.9333	159.5686	15.61966743	1233
1	13144U	82 35	A	82119.24541558	.00001344	00000-0	19784-4 0	165
2	13144	70.3778		3.5553 0044247	192.1334	168.5960	15.63352249	1249
1	13144U	82 35	A	82120.20486238	.00013731	00000-0	14147-3 0	173
2	13144	70.3794		6.9322 0044429	190.8050	169.2003	15.63671010	1396
1	13144U	82 35	A	82121.16444426	.00005336	00000-0	55243-4 0	198
2	13144	70.3777		4.3076 0044239	188.5752	171.4005	15.63674554	1549
1	13144U	82 35	A	82122.18801046	.00024602	00000-0	25127-3 0	191
2	13144	70.3792		1.5087 0044360	187.2354	172.8192	15.63697623	1707
1	13144U	82 35	A	82123.14756739	.00022297	00000-0	25127-3 0	206
2	13144	70.3827		358.8818 0035684	193.7207	165.5678	15.61675826	1859

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Kosmos 1352

parts.1

1 13144U 82 35 A 82123.33984167 .00019149 00000-0 21554-3 0 218
2 13144 70.3816 358.3574 0037999 194.5308 165.4870 15.61645107 1995

1 13144U 82 35 A 82124.23550655 .00016257 00000-0 18979-3 0 222
2 13144 70.3813 355.9143 0038238 192.4941 167.4959 15.61668398 2029

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Kosmos 1354

1	13148U	82 37	A	82118.17837841	-.00000012	00000-0	00000 0 0	13
2	13148	74.0292		266.8929 0014694	13.9230	345.1858	14.26696552	29

1	13148U	82 37	A	82118.38866628	-.00000012	00000-0	00000 0 0	33
2	13148	74.0320		266.5037 0013211	3.8049	356.3598	14.27349313	57

1	13148U	82 37	A	82119.80918534	-.00000012	00000-0	00000 0 0	45
2	13148	74.0409		265.7431 0010454	10.4752	349.7539	14.27414345	111

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Kosmos 1355

1	13150U	82 38	A	82119.45893300	-.20004930	33231-4	00000 0 0	13
2	13150	65.0547		40.5659 0206231	53.5735	309.4015	16.03275172	16
1	13150U	82 38	A	82119.53424433	-.00000143	00000-0	00000 0 0	23
2	13150	65.1864		40.6266 0126269	131.8228	229.3774	15.31277229	22
1	13150U	82 38	A	82119.56396430	-.00000131	00000-0	00000 0 0	30
2	13150	65.0613		39.9500 0013118	278.3940	81.5723	15.43080611	45
1	13150U	82 38	A	82120.18245941	.00067026	00000-0	14958-2 0	45
2	13150	65.0681		38.2405 0012628	273.0178	86.9443	15.43078478	110
1	13150U	82 38	A	82121.15458090	.00128143	00000-0	29085-2 0	59
2	13150	65.0688		35.0029 0012031	273.6886	86.5243	15.43337966	264
1	13150U	82 38	A	82121.99697809	.00021882	00000-0	48994-3 0	53
2	13150	65.0691		32.1976 0011856	271.5213	98.2702	15.43398146	392
1	13150U	82 38	A	82122.19130312	.00029786	00000-0	55402-3 0	79
2	13150	65.0678		31.5500 0011497	272.9841	86.9977	15.43410673	429
1	13150U	82 38	A	82123.16323676	.00019090	00000-0	42779-3 0	83
2	13150	65.0680		28.3132 0011477	270.9396	88.9772	15.43439984	575

1	13150U	82 38	A	82124.19996413	.00017017	00000-0	38172-3 0	92
2	13150	65.0589		24.8592 0011472	269.5464	90.4087	15.43471143	738
1	13150U	82 38	A	82154.26572880	.00006138	00000-0	14175-3 0	562
2	13150	65.0680		284.6942 0010255	268.6487	91.2842	15.43449546	5383
1	13150U	82 38	A	82157.24626793	.00009416	00000-0	19173-3 0	596
2	13150	65.0670		274.7659 0010153	269.3200	90.6665	15.43501789	5840
1	13150U	82 38	A	82158.41253218	.00009542	00000-0	21916-3 0	612
2	13150	65.0712		270.8838 0010398	281.0794	78.6489	15.43291596	5026
1	13150U	82 38	A	82161.26378250	.00012338	00000-0	27960-3 0	650
2	13150	65.0666		261.3822 0009380	268.8429	91.2188	15.43370811	5462
1	13150U	82 38	A	82175.25989864	.00004381	00000-0	99999-4 0	823
2	13150	65.0650		214.7557 0010006	273.9964	86.0028	15.43414116	8622
1	13150U	82 38	A	82176.29664180	.00009892	00000-0	22479-3 0	830
2	13150	65.0635		211.2994 0009980	273.7124	86.3560	15.43444718	8789
1	13150U	82 38	A	82214.20262528	.00018261	00000-0	40965-3 0	1341
2	13150	65.0647		85.0122 0009966	257.5402	92.4647	15.43448951	14634
1	13150U	82 38	A	82308.35219242	.00042912	00000-0	95103-3 0	2621
2	13150	65.0609		131.3166 0011120	273.8165	85.1878	15.43393153	29161
1	13150U	82 38	A	82311.20321087	.00030112	00000-0	56965-3 0	2691
2	13150	65.0590		121.8178 0010816	272.6842	87.2910	15.43489647	29607

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Kosmos 1355

forts. 1

1	13150U	82 38	A	82344.23738483	-.00041802	00000-0	-91146-3 0	3209
2	13150	65.0626		11.6505 0010760	282.8357	77.0512	15.44148633	34709

1	13150U	82 38	A	82355.24713341	.00015815	00000-0	34639-3 0	3316
2	13150	65.0592		334.9184 0010186	297.1302	72.8232	15.44234121	36404

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Kosmos 1356

1	13153U	82 39	A	82125.39312345	.00000008	00000-0	00000-0 0	25
2	13153	81.1818		7.2391 0027738	53.5035	306.3720	14.73439971	16
1	13153U	82 39	A	82126.54755567	.00004911	00000-0	74969-3 0	49
2	13153	81.1856		5.9966 0027172	49.0864	311.3860	14.73469750	186
1	13153U	82 39	A	82128.31312988	.00001024	00000-0	15429-3 0	92
2	13153	81.1855		4.0700 0027244	43.6632	316.6738	14.73468461	443
1	13153U	82 39	A	82130.21452193	.00000859	00000-0	12907-3 0	115
2	13153	81.1852		2.0060 0027061	37.8997	322.4112	14.73471539	725

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Kosmos 1357-1364

1	13160U	82040	A	82127.13599707	.26993954	00000-0	00000-0	0	00039
2	13160	73.9954		143.7155 0007599	168.7714	191.3471	12.53782084		52
1	13161U	82040	B	82127.13697830	.00000000	00000-0	00000-0	0	00039
2	13161	74.0013		143.7083 0033239	125.2884	235.1239	12.51597953		52
1	13162U	82040	C	82127.05831099	.00000000	00000-0	00000-0	0	00038
2	13162	74.0078		143.8557 1020389	92.6145	279.1780	10.56641403		43
1	13163U	82040	D	82127.05779922	.00000000	00000-0	00000-0	0	00035
2	13163	74.0185		143.8481 0017579	158.4879	201.6875	12.47934380		40
1	13164U	82040	E	82127.05821340	.00000000	00000-0	00000-0	0	00038
2	13164	74.0204		143.8791 0021369	193.0116	167.0341	12.45909645		40
1	13165U	82040	F	82127.05859620	.00000000	00000-0	00000-0	0	00031
2	13165	74.0144		143.8728 0019029	222.5210	137.4324	12.43753077		43
1	13166U	82040	G	82127.05917361	.10021544	00000-0	00000-0	0	00036
2	13166	74.0249		143.8195 0007369	285.5439	74.4743	12.42952321		41
1	13168U	82040	I	82127.14464102	.00058891	00000-0	00000-0	0	00032
2	13168	74.0399		143.7715 0125949	264.4924	94.1688	12.22706815		57

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[Titan JD]

1	13170U	82	41	A	82131.99933974	-.00001279	97715-5	00000 0 0	12
2	13170	96.4114	204.1758		0063377	125.7730	234.8086	16.21209925	39
1	13170U	82	41	A	82132.18454339	-.00001320	91736-5	00000 0 0	22
2	13170	96.4085	204.3509		0067079	146.2455	215.5000	16.22449971	69
1	13170U	92	41	A	82133.17089179	.46638133	89596-5	46485-1 0	36
2	13170	96.4073	205.3242		0064509	142.4880	218.1456	15.20790623	229
1	13170U	82	41	A	82133.66395147	.00195749	91210-5	46803-4 0	40
2	13170	96.4078	205.8126		0063546	139.2217	221.4555	16.23895053	310
1	13170U	82	41	A	82134.64960199	.00562389	91164-5	12530-3 0	72
2	13170	96.4090	206.7923		0060868	136.7038	223.9080	16.24955620	472
1	13170U	82	41	A	82135.14239169	.00876959	92849-5	13419-3 0	88
2	13170	96.4186	207.2923		0069265	139.1072	221.5447	16.24147843	559
1	13170U	92	41	A	82137.91276709	.00451933	91569-5	11206-3 0	139
2	13170	96.4056	210.0338		0068138	140.0681	219.1290	15.22744347	1001
1	13170U	82	41	A	82138.65335018	.00366708	91216-5	87656-4 0	159
2	13170	96.4105	210.7686		0066180	134.2250	229.1784	15.23433679	1129

1 131700 82 41 A 82158.85918253 .00517980 90593-5 12236-3 0 620
2 13170 96.3927 230.7747 0068810 129.3900 231.0111 16.23105936 4400

1 131700 82 41 A 82179.86622868 .00417349 89959-5 13995-3 0 979
2 13170 96.3796 251.5560 0066609 130.7274 229.5797 16.19889269 7815

1 131700 82 41 A 82181.29397979 .00405349 91938-5 91719-4 0 1005
2 13170 96.3767 252.9548 0064222 135.4065 225.2385 16.24293173 8043

1 131700 82 41 A 82190.21662080 .00526191 91584-5 11175-3 0 1189
2 13170 96.3753 261.7719 0065151 122.9440 237.8775 16.24734455 9492

1 131700 82 41 A 82194.77468751 .00660338 91547-5 13211-3 0 1266
2 13170 96.3597 266.2573 0060488 129.2570 232.1981 16.25048032 10231

1 131700 82 41 A 82198.28594549 .00175909 86856-5 43733-4 0 1367
2 13170 96.3542 269.7253 0068720 140.9412 219.7344 16.22568942 10907

1 131700 82 41 A 82207.46586766 .00692721 90879-5 16175-3 0 1556
2 13170 96.3578 278.7731 0066078 132.2323 228.7041 16.23863272 12296

1 131700 82 41 A 82208.14364900 .00811551 92296-5 17827-3 0 1561
2 13170 96.3623 279.4386 0064596 132.7358 227.9695 16.24493756 12405

1 131700 82 41 A 82213.13275948 .00299018 88596-5 64564-4 0 1690
2 13170 96.3581 284.3506 0072141 129.6425 229.2959 16.23424993 13216

1 131700 82 41 A 82225.08672840 .03463030 97590-5 91818-3 0 1912
2 13170 96.3366 293.0903 0074753 139.3591 216.9078 16.22080400 15106

1 131700 82 41 A 82237.78436789 .00194289 89968-5 45696-4 0 2196
2 13170 96.3412 303.5436 0069766 126.4764 234.9355 16.23032758 17150

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forts. 7

1 13170U 82 41 A 82246.59687669 .00453248 88211-5 10962-3 0 2451
2 13170 96.3273 317.1705 0070532 135.4118 225.5390 16.22595756 18595

1 13170U 82 41 A 82278.95697935 .00412261 88127-5 93194-4 0 3112
2 13170 96.2969 349.7558 0083973 142.4397 218.0344 16.20991729 23849

1 13170U 82 41 A 82326.95130672 .00990606 88067-5 20980-3 0 4330
2 13170 96.2441 35.1808 0093074 139.8373 220.2151 16.21642513 31627

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Soyuz T-5

1	13173U	82 42	A	82133.46907844	-.00008318	57459-4	00000 0 0	29
2	13173	51.6026		29.8630	0029871	113.0550	247.3596 16.23019296	13
1	13173U	82 42	A	82133.46907891	.04678191	57345-4	15615-2 0	33
2	13173	51.6021		29.8619	0029247	113.2782	247.1330 16.23017220	19
1	13173U	82 42	A	82133.77651962	.00604985	15863-3	15615-2 0	47
2	13173	51.5862		28.2574	0042010	177.6020	166.1436 15.91812327	64
1	13173U	82 42	A	82133.77651962	.00604985	15863-3	15615-2 0	47
2	13173	51.5862		28.2574	0042010	177.6020	166.1436 15.91812327	64
1	13173U	82 42	A	82145.25114883	.00033126	00000-0	20816-3 0	67
2	13173	51.5914		329.0538	0004274	324.3746	34.3400 15.76399382	5617
1	13173U	82 42	A	82146.26564869	.04572285	00000-0	17209-1 0	71
2	13173	51.5945		323.8169	0004265	328.1524	31.6770 15.76544545	5779
1	13173U	82 42	A	82147.27995492	.00034888	00000-0	21818-3 0	95
2	13173	51.5926		318.5845	0004083	332.5202	27.5726 15.76481162	5938
1	13173U	82 42	A	82149.24490913	.00035288	00000-0	21818-3 0	98
2	13173	51.5921		308.4393	0005106	336.9009	23.5694 15.76729931	6242
1	13173U	82 42	A	82153.61727452	.00030862	00000-0	13259-3 0	100
2	13173	51.6235		285.8571	0023374	189.7012	176.9527 15.84356493	6935

1	13173U	82	42	A	82154.37299407	.00076325	00000-0	26017-3	0	119
2	13173	51.6280	281.8946	0021536	228.8699	142.5766	15.88722218	3310		

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1	13175U	82 43	A	82134.96701114	-.00000342	00000-0	00000 0 0	02
2	13175	64.9840		199.0575	0006986	317.4544	42.6083 16.03571856	00
1	13175U	82 43	A	82135.05376250	-.00000380	00000-0	00000 0 0	27
2	13175	65.0213		199.4151	0013059	267.4066	92.4597 16.06433640	36
1	13175U	82 43	A	82135.30283049	.00151492	14398-4	20257-3 0	10
2	13175	65.0053		197.5025	0009735	270.7554	89.2500 16.06312063	03
1	13175U	82 43	A	82135.24057468	.00835366	39195-3	11182-2 0	41
2	13175	65.0040		197.7311	0009526	271.2591	89.7658 16.06304738	69
1	13175U	82 43	A	82135.67639388	.00212339	00000-0	15705-4 0	53
2	13175	65.0098		196.1257	0009459	272.3546	87.7375 16.06357056	146
1	13175U	82 43	A	82136.29897353	.00149963	14303-4	19999-3 0	61
2	13175	65.0007		193.8378	0012138	255.1023	104.9026 16.06299597	241
1	13175U	82 43	A	82136.67251634	.00074377	00000-0	97346-4 0	79
2	13175	65.0033		192.4714	0010733	269.9883	89.3266 16.06289557	304
1	13175U	82 43	A	82137.23287624	.00054811	00000-0	71536-4 0	83
2	13175	65.0072		190.4276	0011051	269.1373	90.8016 16.06337567	397

1	13175U	82 43	A	92139.29124186	.00055263	00000-0	71885-4 0	96
2	13175	65.0062		186.5500 0010779	271.1495	88.9255	16.06474217	552
1	13175U	82 43	A	92139.47409761	-.00000374	00000-0	00000 0 0	103
2	13175	65.0119		192.2143 0011452	270.4121	89.5537	16.06345264	759
1	13175U	82 43	A	82140.03442350	.00066596	00000-0	97630-4 0	110
2	13175	65.0046		180.1621 0009200	272.1483	87.5795	16.06259079	945
1	13175U	82 43	A	92141.21738435	.00049159	00000-0	64513-4 0	120
2	13175	65.0059		175.8278 0009154	273.4071	86.5841	16.06397983	1034
1	13175U	82 43	A	82142.21345545	.00049241	00000-0	64513-4 0	131
2	13175	65.0104		172.1472 0009183	249.8738	110.0115	16.06425246	1197
1	13175U	82 43	A	82143.02277616	.00048958	00000-0	64513-4 0	159
2	13175	65.0036		169.2053 0010183	271.4966	87.7320	16.06313453	1329
1	13175U	82 43	A	82144.45481015	.00104309	93576-5	14018-3 0	171
2	13175	65.0058		163.9592 0010166	273.4756	86.2102	16.06301391	1556
1	13175U	82 43	A	82145.20194666	.00105051	94324-5	14018-3 0	181
2	13175	65.0005		161.2240 0009478	270.4327	89.4552	16.06428851	1672
1	13175U	82 43	A	82146.13578168	.00103721	93954-5	14018-3 0	193
2	13175	65.0057		157.7978 0009981	270.2494	89.4183	16.06218389	1829
1	13175U	82 43	A	82146.32262519	.00013038	00000-0	17598-4 0	209
2	13175	65.0032		157.1135 0010364	277.7111	82.3353	16.06356936	1852
1	13175U	82 43	A	82147.25651774	.00014776	00000-0	19928-4 0	217
2	13175	65.0037		153.6899 0010072	269.3943	90.6115	16.06323586	2001

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forts. 1

1	13175U	92 43	A	82147.38103500	.00014838	00000-0	19928-4 0	220
2	13175	65.0084		153.2310 0010125	267.7326	92.3392	16.06391656	2024
1	13175U	92 43	A	82148.19032071	-.00150320	00000-0	-20492-3 0	242
2	13175	65.0067		150.2675 0011087	262.9554	96.7719	16.06198384	2152
1	13175U	92 43	A	82148.93749891	.00150113	14336-4	19999-3 0	254
2	13175	65.0024		147.5268 0009537	264.8448	95.0969	16.06379587	2270
1	13175U	92 43	A	82149.24880339	.00203185	23392-4	26869-3 0	264
2	13175	65.0080		146.3883 0010488	265.273	94.7408	16.06418291	2321
1	13175U	92 43	A	82151.24107000	.00074864	71919-5	10059-3 0	297
2	13175	65.0058		139.0843 0010350	268.3243	91.5672	16.06410490	2642
1	13175U	92 43	A	82151.98811094	.01165801	86505-3	15724-2 0	303
2	13175	64.9394		136.3356 0009871	265.0816	94.7284	16.06358932	2761
1	13175U	92 43	A	82152.36173504	-.00169186	00000-0	-23137-3 0	321
2	13175	65.0073		134.9765 0011153	274.3597	95.6749	16.06208257	2821
1	13175U	92 43	A	82153.04659050	.00076712	00000-0	99999-4 0	333
2	13175	65.0003		132.4677 0010982	274.1855	85.3123	16.06338303	2939
1	13175U	92 43	A	82153.35787641	.00073406	00000-0	95471-4 0	344
2	13175	65.0056		131.3263 0010934	274.9420	85.0572	16.06390942	2981

1	13175U	82 43	A	82154.22943096	.00067635	00000-0	87512-4 0	354
2	13175	65.0053		128.1302 0010907	275.3246	84.6218	16.06497762	3124
1	13175U	82 43	A	82157.28015453	.00058847	00000-0	77472-4 0	394
2	13175	65.0057		116.9528 0010653	274.5527	85.4462	16.06255074	3617
1	13175U	82 43	A	82158.21405195	.00064501	00000-0	84162-4 0	403
2	13175	65.0057		113.5272 0010506	272.2531	87.7614	16.06386647	3764
1	13175U	82 43	A	82158.21405195	.00064501	00000-0	84162-4 0	414
2	13175	65.0057		113.5272 0010506	272.2531	87.7614	16.06386647	3764
1	13175U	82 43	A	82159.09560939	.00063871	00000-0	84162-4 0	429
2	13175	65.0064		110.3306 0011197	267.3730	92.2609	16.06215590	3905
1	13175U	82 43	A	82159.14794054	.00061409	00000-0	80907-4 0	431
2	13175	65.0029		110.1047 0010773	275.1616	83.8587	16.06239212	3916
1	13175U	82 43	A	82156.22170542	.00059013	00000-0	77472-4 0	387
2	13175	65.0016		120.8230 0010035	268.4415	91.3628	16.06325510	3441
1	13175U	82 43	A	82159.33472168	.00075112	71993-5	10159-3 0	443
2	13175	65.0058		109.4181 0011188	269.7871	90.2395	16.06284412	3944
1	13175U	82 43	A	82160.01955901	.00043356	00000-0	57082-4 0	450
2	13175	65.0053		106.9079 0011353	268.6664	91.2389	16.06332601	4050
1	13175U	82 43	A	82160.45537899	.00078632	74119-5	10525-3 0	463
2	13175	65.0055		105.3077 0011444	267.1011	92.9603	16.06426378	4124
1	13175U	82 43	A	82160.82888944	.00078854	75516-5	10525-3 0	473
2	13175	65.0066		103.9399 0011148	269.4670	90.5022	16.06483601	4181

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1	13175U	82 43	A	82161.01564977	.00053428	00000-0	69465-4 0	482
2	13175	65.0053		103.2563 0011554	269.3360	90.6070	16.06472849	4219
1	13175U	82 43	A	82161.32692015	.00069657	00000-0	89851-4 0	494
2	13175	65.0057		102.1136 0011203	267.6831	92.3383	16.06532996	4253
1	13175U	82 43	A	82162.19839502	-.00257426	00000-0	-36154-3 0	508
2	13175	65.0064		98.9184 0009758	262.7546	96.4417	16.06100182	4404
1	13175U	82 43	A	82162.32306272	.00069223	00000-0	91279-4 0	500
2	13175	65.0050		98.4615 0009481	265.9831	94.0250	16.06217748	4426
1	13175U	82 43	A	82163.13245582	.00065942	00000-0	86491-4 0	511
2	13175	65.0026		95.4980 0009458	267.3180	92.5643	16.06318281	4556
1	13175U	82 43	A	82163.63052434	.00068140	00000-0	88920-4 0	521
2	13175	65.0020		93.6705 0009453	265.5949	94.4366	16.06390718	4639
1	13175U	82 43	A	82164.12856159	.00170279	17632-4	22769-3 0	538
2	13175	65.0038		91.8455 0009922	270.8108	88.8225	16.06288848	4717
1	13175U	82 43	A	82164.81347525	.00079279	75127-5	10667-3 0	546
2	13175	65.0036		89.3354 0009959	270.0051	89.9981	16.06378326	4829
1	13175U	82 43	A	82165.31151813	.00075398	00000-0	97812-4 0	555
2	13175	65.0032		97.5104 0009969	269.4386	90.5346	16.06443818	4902

1	13175U	82 43	A	82166.12090174	.00180332	19312-4	24111-3 0	586
2	13175	65.0045		84.5444 0010756	277.9421	82.0414	16.06262805	5032
1	13175U	82 43	A	82167.11707593	.00099761	91165-5	13346-3 0	609
2	13175	65.0085		80.8959 0010704	281.8403	78.1988	16.06378353	5199
1	13175U	82 43	A	82167.24158157	.00065316	00000-0	85253-4 0	619
2	13175	65.0051		80.4367 0010655	278.2183	81.7728	16.06373694	5213
1	13175U	82 43	A	82168.11315131	.00066043	00000-0	85253-4 0	622
2	13175	65.0054		77.2413 0011395	277.0738	82.9172	16.06531257	5354
1	13175U	82 43	A	82168.23765209	.00064195	00000-0	83135-4 0	634
2	13175	65.0050		76.7838 0010972	278.5655	81.3991	16.06499216	5371
1	13175U	82 43	A	82168.86016404	.00062712	00000-0	83135-4 0	643
2	13175	65.0045		74.5004 0009472	262.4737	97.1168	16.06161436	5474
1	13175U	82 43	A	82169.17155946	.00114403	10480-4	15413-3 0	659
2	13175	65.0028		73.3597 0009914	275.8550	84.1640	16.06248014	5526
1	13175U	82 43	A	82169.35834029	.00076510	71968-5	10382-3 0	661
2	13175	65.0044		72.6768 0009887	272.5486	87.4301	16.06252383	5554
1	13175U	82 43	A	82170.47899581	.00061126	00000-0	79931-4 0	689
2	13175	65.0040		68.5694 0010186	270.9366	88.9308	16.06374204	5735
1	13175U	82 43	A	82171.16382905	.00060574	00000-0	79824-4 0	690
2	13175	65.0047		66.0592 0010060	270.1451	89.8559	16.06457616	5948
1	13175U	82 43	A	82171.35058946	.00071133	00000-0	92062-4 0	701
2	13175	65.0048		65.3738 0010196	269.4440	90.5749	16.06495195	5879

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1	13175U	82 43	A	82171.91084414	.00296509	45305-4	39514-3 0	712
2	13175	65.0084		63.3203 0010942	283.2693	76.2168	16.06259194	5966

1	13175U	82 43	A	82171.97319291	.00145108	13928-4	19486-3 0	723
2	13175	65.0057		63.0921 0010634	279.3915	80.5894	16.06228854	5970

1	13175U	82 43	A	82172.22224091	.00076221	00000-0	99999-4 0	736
2	13175	65.0060		62.1804 0010434	277.8495	82.1201	16.06249370	6010

1	13175U	82 43	A	82173.15613384	.00066353	00000-0	86615-4 0	743
2	13175	65.0053		58.7572 0010857	280.5543	79.3736	16.06363133	6160

1	13175U	82 43	A	82173.52968483	.00072261	00000-0	93863-4 0	756
2	13175	65.0060		57.3863 0010670	276.8123	83.2018	16.06421864	6221

1	13175U	82 43	A	82174.08996488	.00071648	00000-0	93863-4 0	763
2	13175	65.0061		55.3333 0010450	275.7115	83.7971	16.06291414	6316

1	13175U	82 43	A	82174.33908801	.00069736	00000-0	91288-4 0	779
2	13175	65.0065		54.4203 0010435	275.6112	84.3733	16.06311994	6359

1	13175U	82 43	A	82174.96166873	.00076459	72808-5	10269-3 0	781
2	13175	65.0049		52.1382 0010503	275.9111	84.0943	16.06406710	6453

1	13175U	82 43	A	82175.27294180	.00074615	00000-0	96722-4 0	792
2	13175	65.0052		50.9972 0010404	275.9101	84.0847	16.06451055	6508

1	13175U	82 43	A	82176.33135576	.00090088	81979-5	12122-3 0	829
2	13175	65.0031		47.1177 0009788	272.0396	87.9196	16.06333125	6671

1	13175U	82 43	A	82178.07450179	.00133113	12558-4	17809-3 0	854
2	13175	65.0066		40.7243 0010507	274.8980	84.5358	16.06311415	6954

1	13175U	82 43	A	82180.12913835	.00121866	11273-4	16333-3 0	909
2	13175	65.0051		33.1949 0010098	269.5855	90.4110	16.06312705	7286

1	13175U	82 43	A	82181.12525776	.00056903	00000-0	74463-4 0	924
2	13175	65.0053		29.5435 0010077	267.6680	92.1872	16.06335774	7447

1	13175U	82 43	A	82181.12525776	.00056903	00000-0	74463-4 0	935
2	13175	65.0053		29.5435 0010077	267.6680	92.1872	16.06335774	7447

1	13175U	82 43	A	82182.12134282	.00052014	00000-0	67707-4 0	947
2	13175	65.0047		25.8930 0010194	270.5079	89.4865	16.06492656	7601

1	13175U	82 43	A	82182.61934496	.00073284	00000-0	97252-4 0	969
2	13175	65.0016		24.0646 0009520	266.2678	93.4471	16.06095295	7584

1	13175U	82 43	A	82183.11752763	.00074026	70705-5	10093-3 0	974
2	13175	65.0045		22.2396 0009788	261.7486	93.3414	16.06208278	7767

1	13175U	82 43	A	82183.24203943	.00064513	00000-0	85167-4 0	983
2	13175	65.0042		21.7824 0009678	262.1227	97.8735	16.06215432	7783

1	13175U	82 43	A	82183.49109187	.00157350	15686-4	21092-3 0	1007
2	13175	64.9999		20.8721 0009737	264.7244	95.2670	16.06254979	7825

1	13175U	82 43	A	82183.98919157	.00062848	00000-0	82595-4 0	1022
2	13175	65.0029		19.0452 0009948	261.1053	98.9192	16.06290602	7906

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1	13175U	82 43	A	82184.92306469	.00065930	00000-0	86037-4 0	1045
2	13175	65.0037		15.6209 0009952	262.1647	97.3094	16.06389980	9055
1	13175U	82 43	A	82185.17209331	.00061259	00000-0	79941-4 0	1050
2	13175	65.0024		14.7089 0009800	262.4090	97.5865	16.06414873	8092
1	13175U	82 43	A	82186.10587659	.00320432	52771-4	42057-3 0	1072
	13175	65.0027		11.2843 0009759	264.5634	95.2564	16.06527942	8245
1	13175U	82 43	A	82188.09818512	.00066510	00000-0	80722-4 0	1129
2	13175	65.0037		3.9807 0010632	269.4774	98.3577	16.06395622	8567
1	13175U	82 43	A	82188.22272547	.00064545	00000-0	84160-4 0	1137
2	13175	65.0036		3.5242 0010499	270.7327	89.2561	16.06398716	8585
1	13175U	82 43	A	82188.96977823	.00064054	00000-0	84160-4 0	1143
2	13175	65.0017		0.7879 0009606	268.1137	91.4029	15.06295266	8701
1	13175U	82 43	A	82189.09438272	.00078656	73496-5	10613-3 0	1152
2	13175	65.0016		0.3304 0009877	266.0872	93.9323	16.06325682	8724
1	13175U	82 43	A	82189.28115523	.00075292	00000-0	99552-4 0	1160
2	13175	65.0013		359.6472 0009833	265.9489	94.0458	16.06348500	9259
1	13175U	82 43	A	82190.15273426	.00062209	00000-0	91001-4 0	1179
2	13175	65.0001		356.4511 0010530	272.1161	87.7580	16.06430639	8893
1	13175U	82 43	A	82190.21501017	.00060655	00000-0	78972-4 0	1183
2	13175	64.9996		356.2231 0010554	272.7576	87.2367	16.06437243	8901

1	13175U	82 43	A	82190.96215941	.00022954	00000-0	30713-4 0	1207
2	13175	65.0034		353.4825 0010296	262.2148	97.8294	16.06282499	9027
✓ 1	13175U	82 43	A	82191.14893325	.00047176	00000-0	62233-4 0	1212
2	13175	65.0028		352.7946 0010180	264.9141	95.0887	16.06304575	9051
1	13175U	82 43	A	82191.21119259	.00069590	00000-0	91104-4 0	1221
2	13175	65.0012		352.5680 0009841	265.5772	94.4256	16.06324498	9066
1	13175U	82 43	A	82192.20730615	.00071062	00000-0	92313-4 0	1248
2	13175	65.0012		348.9159 0009829	267.2600	92.7392	16.06443222	9223
1	13175U	82 43	A	82193.07883541	.00085420	79984-5	11327-3 0	1252
2	13175	65.0058		345.7269 0010790	268.1901	91.7687	16.06567738	9369
1	13175U	82 43	A	82193.51459304	.00073841	00000-0	97635-4 0	1277
2	13175	65.0052		344.1231 0010989	272.5032	87.0631	16.06121093	9433
1	13175U	82 43	A	82194.75988845	.00146122	14107-4	19421-3 0	1302
2	13175	65.0048		339.5595 0011102	274.8936	85.0945	16.06332864	9639
1	13175U	82 43	A	82194.98440093	.00097157	98563-5	12987-3 0	1316
2	13175	65.0035		339.1035 0011081	276.2989	83.6756	16.06390431	9656
1	13175U	82 43	A	82196.00507272	.00061295	00000-0	80542-4 0	1340
2	13175	65.0023		334.9946 0010420	271.8446	88.0149	16.06287426	9834
1	13175U	82 43	A	82196.31639522	.00090396	92394-5	12141-3 0	1353
2	13175	65.0027		333.8546 0010160	274.0494	85.9638	16.06354096	9883
1	13175U	82 43	A	82197.18795948	.00079714	74762-5	10649-3 0	1367
2	13175	65.0027		330.6599 0010316	271.6747	99.2304	16.06479517	10023

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1	13175U	92 43	A	82197.31248093	-.00130837	00000-0	-17346-3	0	1378
2	13175	65.0011		330.2020	0009926	267.7066	92.1005	16.06153640	10045
1	13175U	82 43	A	82197.31251489	.02037566	43132-2	30000-2	0	1388
2	13175	65.0123		330.2032	0010942	279.3918	80.5830	16.06237745	10044
1	13175U	82 43	A	82197.58588873	.00114296	10309-4	15393-3	0	1394
2	13175	64.9993		328.8366	0010035	266.4390	92.3531	16.05245225	10103
1	13175U	82 43	A	82198.05966039	.00114755	10548-4	15393-3	0	1407
2	13175	65.0028		327.4642	0010225	265.9246	94.0543	16.06310419	10166
1	13175U	82 43	A	82198.30869784	.00089374	81573-5	12019-3	0	1412
2	13175	65.0007		326.5521	0009771	266.9399	93.0400	16.06346931	10207
1	13175U	82 43	A	82199.18028705	.00090249	82720-5	12019-3	0	1423
2	13175	65.0041		323.3578	0010277	269.2452	90.7723	16.05489254	10342
1	13175U	82 43	A	82199.18028705	.00090249	82720-5	12019-3	0	1439
2	13175	65.0041		323.3578	0010277	269.2450	90.7723	16.05489254	10342
1	13175U	82 43	A	82200.17642532	.00086430	78597-5	11527-3	0	1452
2	13175	65.0022		319.7055	0008963	272.9546	86.9575	16.06366134	10506
1	13175U	82 43	A	82200.23871750	.00087175	78535-5	11714-3	0	1462
2	13175	65.0022		319.4775	0008982	274.0207	85.9934	16.06378439	10511

1	13175U	82 43	A	82200.93576963	.00100470	91287-5	13351-3 0	1475
2	13175	65.0031		316.7372 0009132	273.9504	86.0099	16.06505646	10639
1	13175U	82 43	A	82201.29703249	.00061565	00000-0	80001-4 0	1486
2	13175	65.0009		315.5998 0008955	266.9168	93.0059	16.06498734	10683
1	13175U	82 43	A	82201.35930050	.00060567	00000-0	80001-4 0	1496
2	13175	65.0070		315.3635 0010364	269.7769	90.0546	16.06212099	10694
1	13175U	82 43	A	82201.98192701	.00100056	90462-5	13413-3 0	1501
2	13175	65.0038		313.0233 0000998	267.4045	92.5777	16.06356715	10799
1	13175U	82 43	A	82202.15870165	.00085838	77638-5	11524-3 0	1516
2	13175	65.0041		312.3994 0010000	265.9803	94.0048	16.06376177	10820
1	13175U	82 43	A	82203.10251221	.00075030	00000-0	97007-4 0	1525
2	13175	65.0010		308.9788 0010037	269.6201	90.2591	16.06498574	10975
1	13175U	82 43	A	82203.22703555	.00047308	00000-0	61796-4 0	1535
2	13175	64.9965		309.5226 0009641	268.4274	91.5173	16.06473008	10997
1	13175U	82 43	A	82203.47505741	.00046600	00000-0	61796-4 0	1545
2	13175	64.9995		307.6194 0010454	270.6207	89.0681	16.06217023	11034
1	13175U	82 43	A	82204.03347018	.00032564	00000-0	43195-4 0	1559
2	13175	65.0029		305.5533 0011127	264.9986	95.1007	16.06296981	11123
1	13175U	82 43	A	82204.22323255	.00049464	00000-0	65037-4 0	1561
2	13175	65.0003		304.8678 0011020	267.5134	92.4888	16.06325368	11159
1	13175U	82 43	A	82204.90806489	.00067803	00000-0	88098-4 0	1571
2	13175	65.0035		302.3576 0011027	265.7404	94.3063	16.06428845	11262

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Part 6

✓ 1	13175U	82 43	A	82205.90423477	.00045476	00000-7	60152-4 0	1599
2	13175	65.0031		298.7048	0009283	269.4032	90.5954 16.06279543	11422
1	13175U	82 43	A	82206.27779577	.00052710	00000-0	69329-4 0	1600
2	13175	65.0017		297.3391	0010026	271.5702	88.4486 16.06325984	11481
1	13175U	82 43	A	82207.14039335	.00053181	00000-0	69329-4 0	1612
2	13175	65.0009		294.1412	0013153	283.4128	76.5754 16.06389522	11624
1	13175U	82 43	A	82207.21154665	.00076045	00000-0	99999-4 0	1625
✓ 2	13175	64.9892		293.9107	0009620	270.3173	89.5110 16.06229378	11638
1	13175U	82 43	A	82207.95878588	.00076492	00000-0	99999-4 0	1631
2	13175	65.0009		291.1745	0010319	264.5886	95.3722 16.06308020	11759
1	13175U	82 43	A	82209.14171329	.00064622	00000-0	84045-4 0	1653
2	13175	65.0018		286.8390	0009812	265.2029	95.0161 16.06452968	11945
1	13175U	82 43	A	82209.25618376	.00037118	00000-0	48751-4 0	1669
2	13175	65.0018		286.3841	0010167	266.4003	93.5838 16.06441185	11966
1	13175U	82 43	A	82210.19998377	.00054552	00000-0	70714-4 0	1671
✓ 2	13175	65.0000		282.9612	0009940	265.6898	94.3909 16.06551844	12115
1	13175U	82 43	A	82210.44896913	.00053190	00000-0	70714-4 0	1680
2	13175	65.0044		282.0469	0009388	265.3308	94.1638 16.06190599	12158

1 13175U 82 43 A 82211.32072438 .00003330 00000-0 49020-5 0 1707

2 13175 64.9997 278.8517 0008888 274.9305 85.1491 16.06255821 12290

1 13175U 82 43 A 82212.13013076 .00045932 00000-0 60514-4 0 1715

2 13175 65.0000 275.8837 0009551 270.2485 89.9929 16.06364732 12425

1 13175U 82 43 A 82212.25460650 .00046504 00000-0 51215-4 0 1720

2 13175 65.0013 275.4282 0008653 269.8055 90.2078 16.06373501 12445

1 13175U 82 43 A 82213.06393279 .00052827 00000-0 69992-4 0 1734

2 13175 64.9994 272.4613 0008630 269.2648 90.7936 16.06465747 12574

1 13175U 82 43 A 82215.13071155 .00042456 00000-0 56000-4 0 1774

2 13175 65.0015 264.7016 0010170 270.3653 90.2332 16.06335109 12910

1 13175U 82 43 A 82216.11451096 .00053331 00000-0 69603-4 0 1799

2 13175 65.0001 261.2777 0010279 268.9681 91.1116 16.06456489 13022

1 13175U 82 43 A 82217.23523952 .00007275 00000-0 00000-0 0 01808

2 13175 65.0021 257.1316 0008439 267.4763 92.5387 16.06270542 13247

1 13175U 82 43 A 82218.04457904 .00042274 00000-0 56336-4 0 1806

2 13175 65.0082 254.2159 0011569 270.8438 99.0829 16.06139237 13370

1 13175U 82 43 A 82219.04075276 .00059985 00000-0 78435-4 0 1805

2 13175 64.9977 250.5476 0010832 265.9703 94.0515 16.06365662 13533

1 13175U 82 43 A 82219.22751875 .00033622 00000-0 44427-4 0 1839

2 13175 64.9954 249.8598 0010852 269.1076 90.8610 16.06356623 13565

1 13175U 82 43 A 82220.22356463 .00079187 72641-5 10765-3 0 1844

2 13175 65.0000 246.2132 0008629 262.5427 97.1067 16.05232323 13724

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parts 7

1	13175U	82 43	A	82221.15752310	.00055445	00000-0	72766-4 0	1955
2	13175	65.0005		242.7917	0009886	272.5896	87.3791 16.06349816	13875

1	13175U	82 43	A	82221.21978709	.00117268	10745-4	15681-3 0	1860
2	13175	64.9997		242.5620	0009660	272.6317	87.3706 16.06366357	13887

1	13175U	82 43	A	82222.15358357	.00116275	10619-4	15681-3 0	1984
2	13175	64.9973		239.1310	0009720	266.9759	92.6981 16.05229855	14035

1	13175U	82 43	A	82222.46494472	.00114845	10556-4	15416-3 0	1895
2	13175	64.9991		237.9932	0009786	266.7682	93.2268 16.06308429	14081

1	13175U	82 43	A	82223.14976917	.00051420	00000-0	67529-4 0	1902
2	13175	64.9996		235.4814	0009109	263.1260	96.7636 16.06376688	14197

1	13175U	82 43	A	82223.27430324	.00067683	00000-0	88261-4 0	1920
2	13175	65.0008		235.0257	0009627	266.2479	93.7619 16.05400242	14210

1	13175U	82 43	A	82223.64793337	.00112688	10200-4	14953-3 0	1936
2	13175	64.9997		233.6599	0009406	267.8680	92.1825 16.06501206	14274

1	13175U	82 43	A	82224.08357782	.00113143	10618-4	14953-3 0	1947
2	13175	65.0020		232.0591	0015693	264.1120	95.5694 16.06399886	14340

1	13175U	82 43	A	82224.20813332	.00183911	19863-4	24554-3 0	1959
2	13175	64.9988		231.6003	0010065	263.0944	96.7639 16.06225182	14365

1	13175U	82 43	A	82224.20813332	.00183811	19863-4	24654-3 0	1960
2	13175	64.9989		231.6003 0010065	263.0944	96.7639	16.06225182	14365
1	13175U	82 43	A	82225.14199942	.00063080	00000-0	82381-4 0	1975
2	13175	64.9987		229.1780 0011491	269.4088	90.2285	16.06355740	14517
1	13175U	82 43	A	82225.20431726	.00075074	00000-0	97604-4 0	1982
2	13175	64.9989		227.9505 0011520	269.8789	90.1101	16.06374790	14529
1	13175U	82 43	A	82225.26272977	.00056102	00000-0	74389-4 0	1998
2	13175	64.9953		224.0715 0009525	269.5050	90.4987	16.06187425	14691
1	13175U	82 43	A	82228.19271916	.00072349	00000-0	93656-4 0	2016
2	13175	64.9973		213.9959 0009966	268.6666	91.3223	16.06491683	15003
1	13175U	82 43	A	82228.93972686	.00070845	00000-0	93656-4 0	2020
2	13175	64.9933		214.2546 0010064	254.5406	105.2287	16.06157025	15121
1	13175U	82 43	A	82229.31335572	.00118787	10843-4	16006-3 0	2032
2	13175	64.9995		212.8865 0010251	256.8800	103.1159	16.06225293	15182
1	13175U	82 43	A	82230.30948750	.00119849	11032-4	16006-3 0	2044
2	13175	64.9988		209.2352 0010432	258.0243	101.7291	16.06365028	15341
1	13175U	82 43	A	82231.92813348	.00064172	00000-0	85529-4 0	2061
2	13175	64.9978		203.2955 0009332	264.3327	95.3727	16.06070476	15607
1	13175U	82 43	A	82232.23950795	.00120343	11004-4	16242-3 0	2074
2	13175	64.9965		202.1540 0010000	268.1246	91.9826	16.06202556	15656
1	13175U	82 43	A	82233.93972235	.00032839	00000-0	43428-4 0	2094
2	13175	64.9976		195.7556 0009665	267.1104	92.4416	16.06374559	15936

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1 13175U 82 43 A 82234.23132793 .00054947 00000-0 71523-4 0 2133
 2 13175 64.9999 184.8542 0009798 268.1649 91.8655 16.06412304 15976

1 13175U 82 43 A 82236.90895868 .00130993 12147-4 17679-3 0 2142
 2 13175 64.9926 185.0371 0009244 259.1325 90.4901 16.06197968 16404

1 13175U 82 43 A 82237.15797630 .00007933 00000-0 10398-4 0 2157
 2 13175 65.0037 184.1255 0011291 254.0390 105.3763 16.06350236 16444

1 13175U 82 43 A 82238.21632914 .00061464 00000-0 90467-4 0 2179
 2 13175 64.9981 180.2465 0009194 266.2449 93.4180 16.06372938 16612

1 13175U 82 43 A 82239.21246553 .00061155 00000-0 90457-4 0 2180
 2 13175 64.9965 176.5941 0009759 268.4166 91.1972 16.06295742 16775

1 13175U 82 43 A 82240.27091603 .00068685 00000-0 89362-4 0 2200
 2 13175 64.9972 172.7146 0010287 267.3136 92.6661 16.06418988 16941

1 13175U 82 43 A 82241.92721822 .00057018 00000-0 75958-4 0 2221
 2 13175 64.9978 167.0060 0008483 266.2417 93.4191 16.06126956 17199

1 13175U 82 43 A 82243.25921839 .00088422 80619-5 11874-3 0 2240
 2 13175 64.9984 161.7591 0008680 269.7766 89.3782 16.06395098 17427

1 13175U 82 43 A 82244.00632488 .00087448 79263-5 11874-3 0 2254
 2 13175 64.9995 159.0180 0009659 266.9387 92.5695 16.06197137 17541

1	13175U	82 43	A	82246.24776895	.00069497	00000-0	91147-4 0	2291
2	13175	64.9974		150.7936	0010516	272.8573	87.1136 15.06280490	17905
1	13175U	82 43	A	82247.24390196	.00076529	71988-5	10256-3 0	2303
2	13175	64.9982		147.1460	0010461	267.8664	92.1782 16.06438165	18065
1	13175U	82 43	A	82247.24390196	.00076529	71988-5	10256-3 0	2314
2	13175	64.9982		147.1460	0010461	267.8664	92.1782 16.06438165	18065
1	13175U	82 43	A	82247.99092165	.00075475	70368-5	10256-3 0	2322
2	13175	64.9986		144.4140	0009454	253.6113	95.9230 16.06240499	18180
1	13175U	82 43	A	82248.24004968	.00143078	13696-4	19113-3 0	2334
2	13175	64.9981		143.4985	0009420	265.4480	94.6141 15.06343819	18223
1	13175U	82 43	A	82249.23608272	.00105234	94556-5	13990-3 0	2345
2	13175	64.9970		139.8485	0009936	265.1319	94.5123 16.06478033	18388
1	13175U	82 43	A	82250.35681182	.00095113	86777-5	12759-3 0	2355
2	13175	64.9995		135.7351	0011061	268.4285	91.5767 16.06340483	18560
1	13175U	82 43	A	82251.16608357	.00201525	23262-4	26562-3 0	2382
2	13175	64.9946		132.7680	0011690	266.9510	92.7271 15.06456745	18606
1	13175U	82 43	A	82251.85091510	.00162038	16324-4	21810-3 0	2405
2	13175	64.9969		130.2535	0009436	268.5638	91.0618 16.06200976	18800
1	13175U	82 43	A	82255.71102354	.00090624	33085-5	12215-3 0	2463
2	13175	65.0036		116.1143	0010754	270.3267	89.3502 16.06294382	19423
1	13175U	82 43	A	82256.27140541	.00059817	00000-0	78398-4 0	2476
2	13175	64.9984		114.0517	0010176	267.0146	92.9423 15.06343949	19513

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1	13175U	82 43	A	82257.26750809	.00070394	00000-0	91183-4 0	2481
2	13175	64.9973		110.4005 0010127	267.3010	92.7439	16.06486098	19673
1	13175U	82 43	A	82258.20143027	.00035116	00000-0	46598-4 0	2500
2	13175	64.9977		106.9724 0009365	263.2375	96.9428	16.06307408	19824
1	13175U	82 43	A	82259.19753370	.00066913	00000-0	87059-4 0	2513
2	13175	64.9962		103.3209 0009182	264.4205	95.7259	16.06448350	19987
1	13175U	82 43	A	82259.69553381	.00075980	00000-0	99999-4 0	2520
2	13175	64.9937		101.4934 0010686	271.2930	88.3615	16.06193529	20065
1	13175U	82 43	A	82264.17818557	.00088700	81707-5	11772-3 0	2538
2	13175	64.9961		85.0574 0009703	263.5488	96.3359	16.06564541	20789
1	13175U	82 43	A	82264.48944964	.00086320	78362-5	11772-3 0	2594
2	13175	64.9956		83.9161 0009147	254.6333	105.1094	16.06142923	20830
1	13175U	82 43	A	82265.17436868	.00086299	78852-5	11643-3 0	2508
2	13175	64.9955		81.4031 0009203	256.7341	103.2324	16.06316870	20945
1	13175U	82 43	A	82266.54396080	.00074384	00000-0	98929-4 0	2623
2	13175	64.9986		76.3827 0009502	265.0836	94.4943	16.06055196	21162

1	13175U	82 43	A	82267.22897758	.00088912	81175-5	12052-3 0	2639
2	13175	64.9947		73.8716 0009680	266.7956	93.3595	16.06223785	21270
1	13175U	82 43	A	82268.28735748	.00090119	82109-5	12085-3 0	2643
2	13175	64.9966		69.9914 0009835	269.4898	90.4064	16.06386631	21442
1	13175U	82 43	A	82269.53239727	.00750563	30728-3	99999-3 0	2663
2	13175	64.9934		65.4253 0010383	273.1301	86.2216	16.06327866	21642
1	13175U	82 43	A	82269.84374677	.00173137	19141-4	22969-3 0	2677
2	13175	64.9964		64.2355 0010830	260.8363	98.9355	16.06391995	21693
1	13175U	82 43	A	82270.21732083	.00109479	99917-5	14558-3 0	2684
2	13175	64.9963		62.9142 0010679	261.4065	98.5921	16.06450594	21755
1	13175U	82 43	A	82270.34182754	.00119991	11771-4	14558-3 0	2694
2	13175	65.0019		62.4526 0014817	260.9517	99.5627	16.07776010	21776
1	13175U	82 43	A	82270.78858846	.00074088	00000-0	59599-1 0	2704
2	13175	65.0719		61.8971 0065593	215.9301	143.7359	13.88752729	21847
1	13594U	82 43	D	82271.57696517	-.00000036	00000-0	00000 0 0	13
2	13594	65.0684		59.8136 0055214	199.1628	160.7484	13.92763158	21950

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1	13177U	82 44	A	82138.59221051	-.00000191	00000-0	00000 0 0	19
2	13177	1.5005		178.9206	0000011	27.9687	332.3053 1.00213127	13
1	13179U	82 44	C	82139.51302769	.07418337	60529-4	31397-3 0	126
2	13179	51.6225		233.8272	0005957	238.4782	122.0810 16.43335026	255
1	13177U	82 44	A	82162.78357827	-.00000092	00000-0	00000-0 0	29
2	13177	1.0260		261.9250	0012556	111.5643	249.8357 1.00165255	255

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Kosmos 1367

1	13205U	82 45	A	92140.59804173	- .00000014	00000-0	99999-4 0	11
2	13205	62.8493		24.9635 7354122	317.9661	4.8421	2.03556661	26

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1	13208U	82 46	A	82141.46533813	.00153719	12458-4	35506-3 0	164
2	13208	70.3842		111.7790 0099589	55.8003	326.7658	15.39241393	09
1	13208U	82 46	A	82141.58521619	-.00000294	00000-0	00000 0 0	15
2	13208	70.3700		111.3856 0089178	57.4025	303.6541	16.01683019	17
1	13208U	82 46	A	82141.64780908	-.00000291	00000-0	00000 0 0	30
2	13208	70.3720		111.5753 0097975	60.2891	300.7999	15.99757058	27
1	13208U	82 46	A	82142.02298539	-.00000299	00000-0	00000 0 0	45
2	13208	70.3708		110.5950 0097743	59.6165	301.4843	15.99776986	32
1	13208U	82 46	A	82142.21056876	.00091820	51995-5	10535-3 0	54
2	13208	70.3700		110.0519 0097214	59.4040	301.7288	15.99857461	111
1	13208U	82 46	A	82142.52317781	.00076917	53988-5	14529-3 0	65
2	13208	70.3710		109.1521 0075769	58.7166	301.9317	15.95453100	164
1	13208U	82 46	A	82142.58570304	.00076067	52908-5	14529-3 0	72
2	13208	70.3720		108.9707 0077045	59.1710	300.4227	15.95104990	172
1	13208U	82 46	A	82142.64863825	.00094257	59065-5	14529-3 0	35
2	13208	70.4096		108.7872 0051396	55.5036	305.6204	16.01516237	181

1	13208U	82 46	A	82143.21038990	.00220349	23651-4	33302-3 0	90
2	13208	70.3734		107.1665 0050340	55.1908	305.0717	16.01834982	270

1	13208U	82 46	A	82144.45940189	.00082638	59936-5	12522-3 0	116
2	13208	70.3727		103.5488 0050008	53.8452	306.7374	16.01949669	473

1	13208U	82 46	A	82145.20871790	.00075290	55383-5	11391-3 0	124
2	13208	70.3708		101.3794 0049473	53.1067	307.4788	16.02049083	593

1	13208U	82 46	A	82145.59334800	.00110326	91274-5	11391-3 0	131
2	13208	70.4024		100.3231 0019757	73.6245	290.2812	16.10119024	659

1	13208U	82 46	A	82146.25608644	.00117741	99249-5	12053-3 0	142
2	13208	70.3758		98.2923 0018831	77.1779	233.0878	16.10230298	763

1	13208U	82 46	A	82147.25998861	.00100957	00000-0	99434-4 0	159
2	13208	70.3762		95.3937 0019365	75.8874	284.4127	16.10457147	924

1	13208U	82 46	A	82148.94590579	.00013375	00000-0	27184-4 0	170
2	13208	70.3815		90.5077 0094617	41.7130	318.9513	15.91665390	1197

1	13208U	82 46	A	82149.19721420	.00068077	46263-5	13813-3 0	189
2	13208	70.3832		89.7907 0094373	41.3711	319.4556	15.91736510	1239

1	13208U	82 46	A	82150.26552231	.00056103	42673-5	11360-3 0	195
2	13208	70.3818		86.7456 0094265	39.4364	321.2683	15.91847687	1400

1	13208U	82 46	A	82150.45405846	.00355389	17926-4	11360-3 0	207
2	13208	70.3631		86.2444 0205605	46.2141	313.4999	15.92274336	1439

1	13208U	82 46	A	82150.89413957	.00131885	12235-4	11360-3 0	219
2	13208	70.3865		84.9158 0011767	88.1999	306.9237	16.13087525	1500

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1	13208U	82 46	A	82151.26020174	.00145315	14094-4	12366-3 0	222
2	13208	70.3843		93.8374 0011083	89.3841	270.9869	16.13270122	1569

1	13208U	82 46	A	82152.19019722	.00205988	25074-4	17172-3 0	- 235
2	13208	70.3874		81.1027 0011129	88.8416	271.3087	16.13536688	1717

1	13208U	82 46	A	82153.24406522	.00124033	00000-0	99030-4 0	256
2	13208	70.3860		79.0013 0011679	86.0416	274.0862	16.13761159	1984

1	13208U	82 46	A	82154.23581293	.00145020	14199-4	11702-3 0	262
2	13208	70.3873		75.0832 0010954	84.5277	275.7989	16.14040931	2043

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Progress 13

1	13210U	82 47	A	82144.43158110	.00088183	00000-0	35743-3 0	40
2	13210	51.6164	333.2662	0042425	203.2085	156.2082	15.84092579	198
1	13210U	82 47	A	82145.06250637	.00066314	00000-0	25974-3 0	56
2	13210	51.6154	329.9745	0042135	205.4535	154.4223	15.84139917	299
1	13210U	82 47	A	82145.25175504	.00066380	00000-0	25974-3 0	60
2	13210	51.6153	329.9869	0042036	206.1957	153.7000	15.84164682	325
1	13210U	82 47	A	82146.01211951	.00001296	00000-0	99999-5 0	75
2	13210	51.5939	325.1237	0003867	331.4962	28.5104	15.76352422	5739
1	13210U	82 47	A	82148.42092359	.00071403	00000-0	43704-3 0	105
2	13210	51.5946	312.6932	0003776	336.3379	23.9260	15.76658724	825
1	13210U	82 47	A	82149.24483018	.00071776	00000-0	43704-3 0	116
2	13210	51.5914	308.4436	0004118	349.0902	10.9664	15.75773493	955
1	13210U	82 47	A	82153.49070305	-.00073323	00000-0	-31057-3 0	120
2	13210	51.6290	286.5235	0025339	182.4414	181.3232	15.84312194	1621

1	13210U	82 47	A	82156.38307658	.00359932	14633-4	21561-3 0	227
2	13210	51.6527		271.2545 0019079	230.3351	173.0201	16.17338508	2080
1	13210U	82 47	A	82156.62275821	.00363817	14450-4	21561-3 0	235
2	13210	51.6518		269.9324 0017761	232.3120	127.6500	16.17543278	2125
1	13210U	82 47	A	82154.30998665	.00128039	00000-0	43182-3 0	146
2	13210	51.6261		282.2240 0021530	228.2746	142.5723	15.98736892	1756

1	13210U	82 47	A	82155.25150486	.00180668	00000-0	59933-3 0	150
2	13210	51.6262		277.2817 0021644	233.0076	126.5775	15.88912437	1905

1	13210U	82 47	A	82155.75465847	.00097119	00000-0	31301-3 0	163
2	13210	51.6315		274.6383 0022894	242.4002	118.5666	15.89685672	1980

1	13210U	82 47	A	82156.00591528	.00038966	00000-0	15058-3 0	185
2	13210	51.6266		273.3234 0006793	274.2313	84.3576	15.86819262	2021

1	13210U	82 47	A	82156.19510330	.00686908	00000-0	21352-2 0	197
2	13210	51.6413		272.3286 0021312	239.2259	121.6967	15.89084687	2055

1	13210U	82 47	A	82156.25780778	.00134027	00000-0	44434-3 0	208
2	13210	51.6349		272.0005 0021779	239.1342	120.7382	15.89049607	2062

1	13210U	82 47	A	82155.88047230	.00066463	00000-0	21561-3 0	210
2	13210	51.6302		273.9756 0023022	242.8652	118.6114	15.89695782	2007

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1	13213U	82 48	A	82145.42958526	.00000088	00000-0	00000 0 0	12
2	13213	82.3078		43.9703-0041357	90.9483	269.6539	16.12034253	05

1	13213U	82 48	A	82145.67798931	.00000084	00000-0	00000 0 0	27
2	13213	82.3110		43.6755-0042227	90.6860	269.9124	16.12035109	49

1	13213U	82 48	A	82145.17449922	.00000054	00000-0	00000 0 0	35
2	13213	82.3076		43.1011 0005332	319.9899	37.7956	16.01404521	123

1	13213U	82 48	A	82147.29851029	.00011635	00000-0	13965-4 0	56
2	13213	82.3118		41.7994 0011485	306.0369	53.9734	16.03130691	309

1	13213U	82 48	A	82148.23470149	.00092665	28948-5	14932-3 0	82
2	13213	82.3140		40.7182 0011062	300.3161	59.3948	16.03322515	473

1	13213U	82 48	A	82149.23330432	.00075957	17244-5	12120-3 0	92
2	13213	82.3134		39.5652 0011003	296.1166	63.7683	16.03456765	634

1	13213U	82 48	A	82150.23179889	.00072529	15291-5	11489-3 0	103
2	13213	82.3127		38.4124 0011145	292.3288	67.6175	16.03595348	796

1	13213U	82 48	A	82151.04301077	.00062948	91580-6	11489-3 0	110
2	13213	82.3151		37.4777 0016422	327.1249	31.6765	16.01018503	924

1 13213U 82 48 A 82151.23072977 .00055223 00000-0 99999-4 0 123
2 13213 82.3179 37.2616 0016725 327.9705 32.0314 16.01015210 955

1 13213U 82 48 A 82153.04318887 .00066459 11379-5 10794-3 0 148
2 13213 82.3182 35.1816 0019821 276.8465 83.9430 16.02884401 1243

1 13213U 82 48 A 82153.41751292 .00081410 19446-5 13185-3 0 155
2 13213 82.3209 34.7412 0017933 293.8861 66.0609 16.03014490 1304

1 13213U 82 48 A 82154.29152192 .00062826 76949-6 10106-3 0 169
2 13213 82.3138 33.7388 0017580 289.2990 70.5673 16.03118029 1447

1 13213U 82 48 A 82157.28922165 .00056011 00000-0 99478-4 0 203
2 13213 82.3210 30.2912 0020588 300.3094 59.7094 16.01377405 1927

1 13213U 82 48 A 82158.22650478 .00051962 00000-0 90974-4 0 212
2 13213 82.3187 29.2127 0020424 296.6132 63.2678 16.01469079 2073

1 13213U 82 48 A 82155.29022989 .00059549 00000-0 94493-4 0 170
2 13213 82.3138 32.5914 0017504 285.3995 74.4930 16.03229152 1604

1 13213U 82 48 A 82155.97697866 .00056971 00000-0 99999-4 0 189
2 13213 82.3252 31.7996 0021888 306.1328 53.7768 16.01348023 1712

1 13213U 82 48 A 82156.22693833 .00037443 00000-0 65440-4 0 197
2 13213 82.3243 31.5094 0020946 306.4071 53.3983 16.01256715 1756

1 13213U 82 48 A 82159.28872241 .00052274 00000-0 90974-4 0 221
2 13213 82.3182 27.9912 0020253 291.8400 58.0794 16.01578497 2242

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Kosmos 1370

1	13219U	82 49	A	82149.50040195	-.00005004	34501-4	20000 0 0	15
2	13219	64.8520		58.4930 0058835		59.9299 300.7295	16.13890812	21
1	13219U	82 49	A	82148.87220262	.01109871	34919-4	64828-3 0	24
2	13219	64.8525		57.1064 0058785		60.3505 300.4657	16.14178909	82
1	13219U	82 49	A	82149.11996106	.01123345	35077-4	64828-3 0	38
2	13219	64.8568		56.1853 0058494		59.6929 300.7879	16.14357027	127
1	13219U	82 49	A	82149.18194308	.00312336	35304-4	13446-3 0	47
2	13219	64.8531		55.9495 0057652		59.8687 300.8035	16.14335138	133
1	13219U	82 49	A	82149.67749323	.00297845	34530-4	17233-3 0	55
2	13219	64.8537		54.1055 0057434		59.5604 301.0810	16.14625485	211
1	13219U	82 49	A	82150.17296120	.00297720	35107-4	15929-3 0	69
2	13219	64.8538		52.2566 0056853		59.3511 301.3027	16.14919626	291
1	13219U	82 49	A	82151.22551746	.00315858	35499-4	17291-3 0	75
2	13219	64.8544		48.3229 0055367		58.7506 301.9152	16.15571299	461
1	13219U	82 49	A	82151.41132429	.00239519	10510-4	17291-3 0	86
2	13219	64.8546		47.6310 0045790		52.5228 308.0092	16.13082965	497

1	13219U	82 49	A	82151.47332141	.00074713	00000-0	53635-4 0	91
2	13219	64.8508		47.4022 0045699	52.4892	308.0428	16.13116957	501

1	13219U	82 49	A	82153.39469477	.00230385	11059-4	15770-3 0	115
2	13219	64.8546		40.2468 0044214	52.0488	308.2958	16.13969605	818

1	13219U	82 49	A	82154.26210500	.00243887	11200-4	16288-3 0	129
2	13219	64.8553		37.0124 0043285	51.4194	309.1343	16.14383666	953

1	13219U	82 49	A	82157.29630588	.00232452	11799-4	14224-3 0	169
2	13219	64.9528		25.6889 0041223	48.9019	311.6621	16.15751581	1442

1	13219U	82 49	A	82158.22459318	.00189627	99585-5	14224-3 0	178
2	13219	64.8506		22.2194 0041584	66.2942	293.1069	16.13029101	1597

1	13219U	82 49	A	82157.04663116	.00514321	93424-5	41207-3 0	181
2	13219	64.8539		26.5917 0043467	65.4942	296.5554	16.11815493	1403

1	13219U	82 49	A	82158.59674490	.00564176	10089-4	41207-3 0	198
2	13219	64.8478		20.8357 0041805	64.2257	296.1545	16.13243716	1652

1	13219U	82 49	A	82155.25310929	.00232878	11206-4	15136-3 0	131
2	13219	64.8556		33.3158 0042639	50.5771	309.7421	16.14814869	1111

1	13219U	82 49	A	82156.18198060	.00220944	11849-4	13969-3 0	141
2	13219	64.8553		29.8510 0042370	49.8587	310.5382	16.15218989	1262

1	13219U	82 49	A	82159.27850710	.00176690	10198-4	12842-3 0	202
2	13219	64.8529		18.2929 0041431	64.2058	296.1928	16.13487991	1761

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1	13219U	82 49	A	82160.14619750	.00584511	10406-4	40042-3 0	217
2	13219	64.8520		15.0621 0039718	63.6099	296.3904	16.14308269	1907
1	13219U	82 49	A	82160.51785428	.00592715	10670-4	40042-3 0	223
2	13219	64.8547		13.6749 0038609	63.5511	296.3644	16.14599919	1968
1	13219U	82 49	A	82160.82753217	.00602440	10919-4	40042-3 0	232
2	13219	64.8557		12.5225 0039002	61.5683	298.7222	16.14779639	2011
1	13219U	82 49	A	82161.26107969	.00291360	10836-4	19303-3 0	243
2	13219	64.8509		10.8977 0039059	63.1156	297.2639	16.14882726	2083
1	13219U	82 49	A	82162.25181897	.00244417	10835-4	15739-3 0	250
2	13219	64.8494		7.1980 0038284	62.5396	297.9602	16.15355864	2241
1	13219U	82 49	A	82163.61356480	.00242408	11701-4	14917-3 0	262
2	13219	64.8501		2.1117 0037518	61.9559	298.5578	16.16030908	2463
1	13219U	82 49	A	82164.85094423	.00298142	11909-4	17449-3 0	275
2	13219	64.8508		357.4797 0036019	60.3148	300.1562	16.16794326	2568
1	13219U	82 49	A	82164.85094423	.00298142	11909-4	17449-3 0	286
2	13219	64.8508		357.4797 0036019	60.3148	300.1562	16.16794326	2663
1	13219U	82 49	A	82165.22205125	.00230782	11911-4	17449-3 0	291
2	13219	64.8517		356.0972 0068086	114.3993	242.3277	16.09716769	2729

1	13219U	82 49	A	82165.47125936	.00249252	11293-4	17449-3 0	306
2	13219	64.8489		355.1694 0049151	117.9487	245.5389	16.13123372	2757
1	13219U	82 49	A	82165.59475467	.00249103	11355-4	17449-3 0	311
2	13219	64.8489		354.7098 0049060	117.8953	242.6942	16.13126428	2786
1	13219U	82 49	A	82166.21465885	.00233707	11394-4	16107-3 0	321
2	13219	64.8498		352.4015 0048123	117.7373	242.9397	16.13456558	2882
1	13219U	82 49	A	82167.20623525	.00226276	11711-4	15199-3 0	335
2	13219	64.8504		348.7081 0047219	117.0156	243.5165	16.13902777	3046
1	13219U	82 49	A	82168.19756607	.00221500	11758-4	14550-3 0	349
2	13219	64.8500		345.0141 0045924	116.2862	244.2586	15.14341975	3205
1	13219U	82 49	A	82169.06475763	.00223927	11993-4	14352-3 0	354
2	13219	64.8478		341.7773 0045218	115.3748	245.2125	16.14738445	3340
1	13219U	82 49	A	82170.05556498	.00226211	12249-4	14128-3 0	366
2	13219	64.8486		338.0766 0044096	114.3598	246.2123	16.15195987	3501
1	13219U	82 49	A	82171.35557367	.00282699	12155-4	16874-3 0	374
2	13219	64.8480		333.2199 0042784	113.5082	247.1874	16.15984965	3710
1	13219U	82 49	A	82172.16000891	.00197589	10958-4	14218-3 0	383
2	13219	64.8598		330.2227 0048070	130.4907	227.5484	16.12915946	3841
1	13219U	82 49	A	82172.22244293	.00455784	98434-5	34151-3 0	395
2	13219	64.8503		329.9822 0040841	131.3497	229.1228	16.13004486	3859
1	13219U	82 49	A	82172.90431732	.00465853	98556-5	34151-3 0	401
2	13219	64.8511		327.4436 0040900	131.3804	228.5733	16.13294381	3961

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1	132190	82 49	A	82173.33827810	.00223606	10087-4	16342-3 0	413
2	13219	64.8476		325.8272 0040530	131.1431	229.0950	16.13457166	4032
1	132190	82 49	A	82173.52426279	.00209353	99677-5	15215-3 0	429
2	13219	64.8481		325.1361 0040798	131.2161	229.2264	16.13516582	4063
1	132190	82 49	A	82174.32993547	.00231126	10243-4	15409-3 0	435
2	13219	64.8480		322.1315 0039737	131.1329	229.4625	15.13921148	4194
1	132190	82 49	A	82175.25926939	.00247926	10424-4	17062-3 0	442
2	13219	64.8481		318.6669 0039025	130.5459	229.9997	16.14398305	4342
1	132190	82 49	A	82176.31218384	.00234083	10294-4	15598-3 0	457
2	13219	64.8475		314.7390 0037632	129.5392	230.7749	16.14880429	4516
1	132190	82 49	A	82179.16014978	.00137568	92709-5	10547-3 0	490
2	13219	64.8335		304.0892 0037204	145.6425	214.4338	16.13199968	4974
1	132190	82 49	A	82180.21394126	.00142397	99079-5	10547-3 0	521
2	13219	64.8421		300.1691 0038504	145.9929	214.3185	16.13556202	5147
1	132190	82 49	A	82181.32935410	.00177492	10091-4	12729-3 0	537
2	13219	64.8453		296.0135 0037296	145.7302	214.5300	16.14057011	5325
1	132190	82 49	A	82188.20539481	.00153030	97539-5	11245-3 0	614
2	13219	64.8449		270.3625 0035611	156.6327	203.5484	16.13902784	6435

1 13219U 82 49 A 82189.25867606 .00183454 98461-5 13033-3 0 629
2 13219 64.8455 266.4352 0035681 156.1254 204.1541 16.14318033 6604

1 13219U 82 49 A 82190.24976793 .00174543 99782-5 12180-3 0 637
2 13219 64.8431 262.7360 0034595 156.5461 203.6840 16.14664859 6766

1 13219U 82 49 A 82191.24065946 .00161250 99351-5 11107-3 0 649
2 13219 64.8404 259.0349 0032757 155.5706 204.6994 16.15010154 6924

1 13219U 82 49 A 82192.15942821 .00280024 10261-4 19719-3 0 655
2 13219 64.8399 255.5684 0031560 154.1824 206.2738 16.15418665 7077

1 13219U 82 49 A 82192.23130457 .00189781 10095-4 12747-3 0 669
2 13219 64.8394 255.3342 0031430 154.5052 205.7600 16.15423904 7089

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1	13239U	82 50	B	82149.09979282	-.00000509	00000-0	00000 0 0	11
2	13239	62.8389		166.3127	0309678	120.2550	241.4937 15.47712913	33
1	13239U	82 50	C	82149.09979282	-.00005061	34848-4	00000 0 0	19
2	13238	62.8091		166.3095	0321002	114.0237	249.3696 15.50604966	24
1	13237U	82 50	A	82156.07702287	.00000266	00000-0	00000 0 0	147
2	13237	62.8605		165.7881	7360751	298.0462	9.5173 2.00571886	147

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Kosmos 1371

1	13241U	82 51	A	82152.25133963	-.00000012	00000-0	00000 0 0	14
2	13241	74.0461		326.7277 0015313		23.8847 336.2461	14.27550444	15
1	13241U	82 51	A	82152.39150623	-.00000011	00000-0	00000 0 0	21
2	13241	74.0532		326.4788 0015354		17.4276 342.5973	14.27090556	30
1	13241U	82 51	A	82152.67191883	-.00000012	00000-0	00000 0 0	37
2	13241	74.0453		325.9653 0013510		24.7190 335.4644	14.27173319	75
1	13241U	82 51	A	82153.51306504	-.00063458	00000-0	-25505-1 0	55
2	13241	74.0436		324.4474 0013763		24.0033 336.1570	14.27163304	193

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Kosmos 1372

1	13243U	82 52	A	82152.63749930	- .00000386	- 00000-0	00000 0 0	10
2	13243	64.9877		133.9922	0017679	262.0281	97.8983 16.06276217	09
1	13243U	82 52	A	82153.38464251	.00104635	95515-5	14019-3 0	25
2	13243	64.9870		131.2518	0010499	273.9073	86.1914 16.06342195	138
1	13243U	82 52	A	82154.25618885	.00055342	00000-0	72236-4 0	32
2	13243	64.9868		128.0554	0010333	276.3204	83.4730 16.06427338	145
1	13243U	82 52	A	82157.24459003	.00061531	00000-0	79840-4 0	99
2	13243	64.9888		117.0955	0010267	267.2047	92.8220 16.06494949	757
1	13243U	82 52	A	82158.05384111	.00060250	00000-0	79840-4 0	94
2	13243	64.9887		114.1224	0008944	267.5173	92.0646 16.06198525	883
1	13243U	82 52	A	82158.17844387	.00180793	19268-4	24232-3 0	104
2	13243	64.9913		113.6682	0008630	266.0135	94.0274 16.06257179	904
1	13243U	82 52	A	82159.17461187	.00116956	10557-4	15627-3 0	119
2	13243	64.9889		110.0153	0008839	265.5629	94.5253 16.06391863	1061
1	13243U	82 52	A	82155.06557502	.00180251	19302-4	24162-3 0	42
2	13243	64.9877		125.0884	0010320	272.4012	87.5905 16.06232252	270

1	13243U	82 52	A	82155.25235995	.00119139	10884-4	16003-3 0	51
2	13243	64.9872		124.4020	0010094	268.3309	91.6716 16.06279228	305
1	13243U	82 52	A	82156.24849051	.00059782	00000-0	76963-4 0	70
2	13243	64.9891		120.7499	0009855	268.3201	91.5617 16.06371236	591
1	13243U	82 52	A	82159.29911098	.00117277	10724-4	15627-3 0	127
2	13243	64.9885		109.5581	0009374	265.4065	94.5145 16.06427199	1088
1	13243U	82 52	A	82159.98396404	.00100067	90035-5	13524-3 0	139
2	13243	64.9868		107.0415	0010002	272.1407	87.9514 16.06225847	1195
1	13243U	82 52	A	82160.23301308	-.00028051	00000-0	-35838-4 0	145
2	13243	64.9900		106.1324	0009861	267.3299	92.7018 16.06277931	1236
1	13243U	82 52	A	82160.23301308	-.00028051	00000-0	-35838-4 0	156
2	13243	64.9900		106.1324	0009861	267.3289	92.7018 16.06277931	1235
1	13243U	82 52	A	82160.54431409	.00088779	81072-5	11949-3 0	165
2	13243	64.9871		104.9911	0009595	268.5293	91.5153 16.06339418	1284
1	13243U	82 52	A	82160.98010562	.00050426	00000-0	66248-4 0	176
2	13243	64.9898		103.3954	0009733	266.3920	93.5516 16.06352473	1350
1	13243U	82 52	A	82161.29140086	.00066046	00000-0	85054-4 0	189
2	13243	64.9876		102.2530	0009739	267.0911	92.9425 16.06417894	1404
1	13243U	82 52	A	82162.34980612	.00081843	74333-5	11051-3 0	195
2	13243	64.9910		98.3670	0010196	273.7139	86.2820 16.06294641	1574
1	13243U	82 52	A	82163.15915446	.00070184	00000-0	91390-4 0	206
2	13243	64.9904		95.4009	0010639	271.8181	88.2996 16.06390573	1703

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1	13243U	82 52	A	82153.65720943	.00067837	00000-0	88020-4 0	214
2	13243	64.9904		93.5750 0010631	271.5807	88.4240	16.06458771	1784
1	13243U	82 52	A	82164.09297526	.00185794	20154-4	24776-3 0	229
2	13243	64.9899		91.9756 0010176	267.5074	92.0757	16.06313296	1853
1	13243U	82 52	A	82164.21756448	.00185758	20206-4	24776-3 0	233
2	13243	64.9888		91.5207 0010049	269.4031	90.5757	16.06313907	1875
1	13243U	82 52	A	82164.46647834	.00067295	00000-0	88020-4 0	243
2	13243	64.9880		90.6071 0010393	266.6073	92.6721	16.06336517	1915
1	13243U	82 52	A	82164.84014754	.00059855	00000-0	79242-4 0	253
2	13243	64.9877		89.2383 0010269	269.8727	90.1210	16.06384399	1977
1	13243U	82 52	A	82164.84014754	.00059855	00000-0	79242-4 0	264
2	13243	64.9877		89.2383 0010269	269.8727	90.1210	16.06384399	1977
1	13243U	82 52	A	82165.33819250	.00074869	72069-5	10027-3 0	271
2	13243	64.9882		87.4094 0009990	271.4854	98.5504	16.05472511	2052
1	13243U	82 52	A	82165.39845085	.00200521	22789-4	26923-3 0	289
2	13243	64.9875		85.3543 0009681	265.2708	94.3689	16.05204379	2140
1	13243U	82 52	A	82166.14756073	.00145125	13986-4	19457-3 0	293
2	13243	64.9885		84.4404 0009670	262.2612	97.7397	16.06277978	2183
1	13243U	82 52	A	82166.27208196	.00099915	89511-5	13458-3 0	300
2	13243	64.9875		83.9830 0009720	261.1032	98.8931	16.06285961	2203

1	13243U	82 52	A	82167.14368204	.00073403	00000-0	95733-4 0	317
2	13243	64.9854		80.7650 0009379	264.4517	95.3615	16.06378805	2348
1	13243U	82 52	A	82167.20597278	.00065490	00000-0	85543-4 0	325
2	13243	64.9882		80.5608 0009642	262.6143	97.3956	16.06383273	2352
1	13243U	82 52	A	82168.07753524	.00065998	00000-0	85543-4 0	333
2	13243	64.9893		77.3583 0009483	260.6516	99.3656	16.06508374	2490
1	13243U	82 52	A	82168.26428811	.00066247	00000-0	95788-4 0	342
2	13243	64.9867		76.6736 0009534	262.3868	97.6114	16.06521650	2525
1	13243U	82 52	A	82169.19818334	.00080034	74175-5	10833-3 0	356
2	13243	64.9889		73.2501 0010227	270.8767	89.1645	16.06266182	2672
1	13243U	82 52	A	82169.32269788	.00096842	87951-5	13046-3 0	364
2	13243	64.9873		72.7943 0010081	269.5651	90.4325	16.06289004	2694
1	13243U	82 52	A	82169.82076604	.00055820	00000-0	73357-4 0	371
2	13243	64.9877		70.9682 0010379	274.9371	84.9555	16.06315463	2778
1	13243U	82 52	A	82170.44330718	.00080759	75141-5	10831-3 0	380
2	13243	64.9881		68.6842 0010098	271.7897	87.9165	16.06416844	2877
1	13243U	82 52	A	82171.19039416	.00059892	00000-0	77799-4 0	393
2	13243	64.9894		65.9437 0010202	269.6812	90.2111	16.06486436	2996
1	13243U	82 52	A	82171.37716963	.00069156	00000-0	89367-4 0	402
2	13243	64.9883		65.2594 0010488	270.5402	89.4718	15.06521376	3024
1	13243U	82 52	A	82171.75066911	.00067577	00000-0	89367-4 0	411
2	13243	64.9946		63.8919 0009873	268.7322	90.9501	16.06170189	3080

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1	13243U	82 52	A	82171.93751819	.00132638	12416-4	17848-3 0	423
2	13243	64.9913		63.2027 0009510	266.4844	93.5509	16.06240806	3115

1	13243U	82 52	A	82172.18655723	.00118172	10688-4	15970-3 0	439
2	13243	64.9910		62.2906 0009440	265.4424	94.5590	16.06295235	3153

1	13243U	82 52	A	82173.12044370	.00147487	14388-4	19596-3 0	445
2	13243	64.9884		58.8666 0009366	266.5271	93.4874	16.06427020	3305

1	13243U	82 52	A	82173.55621021	.00063476	00000-0	82690-4 0	450
2	13243	64.9883		57.2659 0009540	266.1899	93.5918	16.06437499	3373

1	13243U	82 52	A	82174.30337871	.00002009	00000-0	31486-5 0	475
2	13243	64.9865		54.5266 0011076	265.5793	94.3365	16.06258390	3499

1	13243U	82 52	A	82174.98823438	.00010476	00000-0	14288-4 0	487
2	13243	64.9875		52.0140 0010144	268.3973	91.5371	16.06316203	3607

1	13243U	82 52	A	82175.23728261	.00071261	00000-0	92522-4 0	492
2	13243	64.9877		51.0993 0010506	270.0628	90.0592	16.05419430	3542

1	13243U	82 52	A	82176.29568448	.00035948	00000-0	48964-4 0	525
2	13243	64.9875		47.2148 0010281	275.7388	84.2767	16.06295093	3810

1	13243U	82 52	A	82178.03882720	.00065235	00000-0	85562-4 0	549
2	13243	64.9903		40.8225 0009976	272.1217	87.3845	16.06310538	4091

1 13243U 82 52 A 82180.09342375 .00116582 10568-4 15614-3 0 595

2 13243 64.9864 33.2861 0009724 257.5259 92.5217 16.06337597 4425

1 13243U 82 52 A 82181.08949828 .00059881 00000-0 79137-4 0 619

2 13243 64.9869 29.6336 0009902 266.3147 93.4578 16.06420882 4585

1 13243U 82 52 A 82181.08949828 .00059881 00000-0 79137-4 0 620

2 13243 64.9869 29.6336 0009902 266.3147 93.4578 16.06420882 4585

1 13243U 82 52 A 82182.14793229 .00059563 00000-0 79137-4 0 649

2 13243 64.9877 25.7497 0010303 274.9797 85.0284 16.06327569 4750

1 13243U 82 52 A 82183.08177470 .00051189 00000-0 67001-4 0 563

2 13243 64.9873 22.3255 0010017 271.3690 88.5261 16.06412159 4905

1 13243U 82 52 A 82183.20630389 .00051840 00000-0 67776-4 0 674

2 13243 64.9875 21.8689 0010090 270.5716 89.3339 16.06426182 4923

1 13243U 82 52 A 82183.54207533 .00068429 00000-0 39367-4 0 595

2 13243 64.9870 20.2700 0010839 278.8900 80.9419 16.06256763 4999

1 13243U 82 52 A 82184.01568440 .00045226 00000-0 59581-4 0 702

2 13243 64.9881 18.3989 0010501 237.0901 92.9720 16.06330770 5259

1 13243U 82 52 A 82184.98726997 .00049483 00000-0 64822-4 0 725

2 13243 64.9870 15.7014 0010365 269.5157 90.4151 16.06400681 5194

1 13243U 82 52 A 82185.13630380 .00049551 00000-0 64822-4 0 731

2 13243 64.9864 14.7977 0010261 259.2578 90.7435 16.06425848 5237

1 13243U 82 52 A 82186.13244865 .00165351 15387-4 21962-3 0 763

2 13243 64.9869 11.1345 0010175 263.3073 96.6654 16.06395282 5395

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1 13243U 82 52 A 82188.12465532 .00061428 00000-0 79717-4 0 802

2 13243 64.9850 3.8254 0010147 266.0833 93.8248 15.06496882 5717

1 13243U 82 52 A 82188.13692355 .00059089 00000-0 75715-4 0 819

2 13243 64.9846 3.5965 0010065 266.6171 93.3800 15.06501318 5729

1 13243U 82 52 A 82188.93403096 .00069368 00000-0 91209-4 0 832

2 13243 64.9825 0.8533 0009783 273.7791 86.0539 16.06255881 5841

1 13243U 82 52 A 82189.12084408 .00053684 00000-0 70805-4 0 840

2 13243 64.9851 0.1710 0009933 274.0511 85.9528 16.05276077 5870

1 13243U 82 52 A 82189.30762537 .00068131 00000-0 89336-4 0 859

2 13243 64.9843 359.4863 0009841 273.2539 86.7509 16.06304922 5902

1 13243U 82 52 A 82190.11697396 .00060418 00000-0 78907-4 0 863

2 13243 64.9860 356.5218 0010700 280.3803 79.5352 16.06385057 6031

1 13243U 82 52 A 82190.24150062 .00062961 00000-0 82098-4 0 873

2 13243 64.9875 356.0611 0010583 279.3137 80.6842 16.06401598 6054

1 13243U 82 52 A 82191.17531625 .00075800 00000-0 97871-4 0 886

2 13243 64.9886 352.6345 0009943 275.1844 84.8399 15.06517502 6202

1 13243U 82 52 A 82191.23756399 .00068399 00000-0 88503-4 0 898

2 13243 64.9885 352.4069 0009872 274.1036 85.8915 16.06517295 6210

1 13243U 82 52 A 82191.54881897 .00067058 00000-0 88503-4 0 907

2 13243 64.9851 351.2625 0010079 270.4170 89.2320 16.06200040 6267

1	13243U	82 52	A	82192.23374874	.00057522	00000-0	75717-4 0	927
2	13243	64.9876	348.7510	0010039	270.3483	89.6563	16.06315310	6372
1	13243U	82 52	A	82193.04309606	.00060333	00000-0	79527-4 0	935
2	13243	64.9860	345.7818	0010815	255.5226	94.4896	16.06417681	6508
1	13243U	82 52	A	82193.47887644	.02359575	22059-1	52559-2 0	950
2	13243	64.9891	344.1911	0011841	278.8302	80.9258	16.06374496	6576
1	13243U	82 52	A	82193.72778272	.00155008	16335-4	22040-3 0	951
2	13243	64.9873	343.2735	0010625	270.2186	89.7575	16.06294713	6611
1	13243U	82 52	A	82194.78635536	.00074630	71362-5	10021-3 0	999
2	13243	64.9852	339.3908	0010093	266.3582	93.6977	16.06427517	6781
1	13243U	82 52	A	82194.91085517	.00089221	82703-5	11906-3 0	1001
2	13243	64.9860	338.9329	0010414	266.0453	93.9670	16.06461919	6802
1	13243U	82 52	A	82196.03154797	.00122401	11276-4	16385-3 0	1036
2	13243	64.9868	334.8233	0010032	276.9119	83.2053	16.06331056	6983
1	13243U	82 52	A	82196.34281428	.00086897	79071-5	11681-3 0	1040
2	13243	64.9869	333.6820	0010000	275.4996	84.4393	16.06355651	7034
1	13243U	82 52	A	82197.15213992	.00079571	73774-5	10637-3 0	1050
2	13243	64.9869	330.7157	0009987	276.1330	83.7953	16.06474267	7160
1	13243U	82 52	A	82197.27665841	.00058011	00000-0	75518-4 0	1061
2	13243	64.9869	330.2607	0010649	280.1330	79.7943	16.06450822	7184
1	13243U	82 52	A	82198.08607210	.00057542	00000-0	75513-4 0	1077
2	13243	64.9866	327.2854	0010471	274.8615	85.2019	16.06353038	7312

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1	13243U	82 52	A	82198.27283305	.00085093	78271-5	11414-3 0	1089
2	13243	64.9872	326.5031	0010178	273.1356	86.8732	16.06393095	7345
1	13243U	82 52	A	82199.33113865	.00067017	00000-0	85709-4 0	1109
2	13243	64.9856	322.7229	0010333	270.3080	89.5902	16.06514573	7514
1	13243U	82 52	A	82199.58023370	.00090136	82791-5	12212-3 0	1115
2	13243	64.9813	321.8020	0009219	259.6902	90.3288	16.06238357	7555
1	13243U	82 52	A	82200.14057494	.00091268	93756-5	12275-3 0	1123
2	13243	64.9846	319.7484	0009464	256.7585	93.2741	16.06347898	7645
1	13243U	82 52	A	82200.20282866	.00090970	83062-5	12225-3 0	1133
2	13243	64.9847	319.5200	0009488	256.6471	93.3612	16.06358871	7651
1	13243U	82 52	A	82201.01213989	.00095398	87509-5	12701-3 0	1147
2	13243	64.9853	313.5539	0009785	269.2895	90.6437	16.06490342	7793
1	13243U	82 52	A	82201.26115869	.00066988	00000-0	86940-4 0	1150
2	13243	64.9850	315.6413	0009351	261.8237	98.1148	16.06485049	7825
1	13243U	82 52	A	82201.39567607	.00065751	00000-0	85940-4 0	1161
2	13243	64.9863	315.1808	0009675	272.7316	87.0535	16.06164217	7846
1	13243U	82 52	A	82202.00834255	.00118931	10882-4	15915-3 0	1184
2	13243	64.9852	312.3973	0009554	273.8330	85.2935	16.06352838	7946

1	13243U	82 52	A	82202.19509298	.00097755	89413-5	13112-3	0	1195
2	13243	64.9844	312.2122	0009514	273.2040	85.7672	16.06367018		7979
1	13243U	82 52	A	82203.06665422	.00075711	00000-0	93054-4	0	1203
2	13243	64.9858	309.0150	0009873	274.5949	85.2420	16.06470993		9117
1	13243U	82 52	A	82203.19118901	.00038960	00000-0	51205-4	0	1216
2	13243	64.9853	308.5603	0009302	269.1037	90.8378	16.06433414		9136
1	13243U	82 52	A	82203.37795432	.00016294	00000-0	22128-4	0	1224
2	13243	64.9956	307.8740	0009540	257.8846	91.9030	16.06167361		8166
1	13243U	82 52	A	82204.06291295	.00076929	72580-5	10391-3	0	1235
2	13243	64.9866	305.3527	0009517	269.2455	90.9648	16.06314112		9274
1	13243U	82 52	A	82204.24965435	.00072958	00000-0	95404-4	0	1241
2	13243	64.9832	304.6795	0009580	270.9169	89.0753	16.06332763		9307

1	13243U	82 52	A	82204.93448079	.00079038	00000-0	91142-4	0	1250
2	13243	64.9879	302.1577	0009884	238.4208	91.5676	16.06415230		9419
1	13243U	82 52	A	82205.13350550	.00070450	00000-0	91472-4	0	1261
2	13243	64.9866	301.2538	0009984	258.8122	91.1659	16.06451547		8456

1	13243U	82 52	A	82205.86928021	.00064131	00000-0	82992-4	0	1274
2	13243	64.9855	293.7423	0010024	269.1071	90.8551	16.06530163		9569
1	13243U	82 52	A	82207.17572604	.00070071	00000-0	91745-4	0	1291
2	13243	64.9849	293.9433	0010074	263.7335	95.1350	16.06315859		9770
1	13243U	82 52	A	82207.23800746	.00063561	00000-0	83356-4	0	1306
2	13243	64.9852	293.7142	0009849	261.0320	98.9736	16.06323189		8785

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1	13243U	82 52	A	82207.92283813	.00059395	00000-0	77629-4 0	1319
2	13243	64.9851		291.2030 0009856	261.3134	98.6591	16.06397283	8891

1	13243U	82 52	A	82209.16790670	.00077634	00000-0	99999-4 0	1333
2	13243	64.9824		286.6359 0009371	263.7240	96.2500	16.06560104	9090

1	13243U	82 52	A	82209.29241738	.00059573	00000-0	73733-4 0	1344
2	13243	64.9868		296.1880 0014473	275.6472	83.9638	16.07147797	9119

1	13243U	82 52	A	82209.47915629	.00055851	00000-0	73733-4 0	1357
2	13243	64.9862		285.4940 0010381	264.6388	94.7571	16.06241809	9145

1	13243U	82 52	A	82210.29864600	.00013442	00000-0	18254-4 0	1369
2	13243	64.9817		282.5235 0010121	270.6440	89.2298	16.06257649	9277

1	13243U	82 52	A	82211.34705932	.00029530	00000-0	39093-4 0	1389
2	13243	64.9850		278.6452 0010240	274.3647	85.5302	16.06375394	9445

1	13243U	82 52	A	82212.09413371	.00005726	00000-0	79929-5 0	1390
2	13243	64.9838		275.9403 0010476	273.2654	86.7746	16.06409389	9569

1	13243U	82 52	A	82213.02905288	.00070022	00000-0	91281-4 0	1414
2	13243	64.9858		272.4733 0010229	268.7925	91.4267	16.06332329	9715

1	13243U	82 52	A	82215.14482661	.00040020	00000-0	52303-4 0	1457
2	13243	64.9846		264.7123 0010014	265.9885	94.1619	16.06351814	10057

1 13243U 82 52 A 82216.14087679 .00052378 00000-0 80992-4 0 1474
2 13243 64.9844 261.0589 0009746 265.1138 94.8863 16.06491942 10217

1 13243U 82 52 A 82217.26160327 .00047000 00000-0 00000-0 0 00157
2 13243 64.9892 256.9492 0009554 268.9016 91.1009 16.06327694 10392

1 13243U 82 52 A 82218.07102013 .00223648 27252-4 29999-3 0 1489
2 13243 64.9795 253.9771 0009047 268.1712 92.2292 16.06218852 10529

1 13243U 82 52 A 82218.55904718 .00076647 00000-0 99999-4 0 1485
2 13243 64.9820 252.1484 0010475 267.7145 92.3344 16.06335385 10602

1 13243U 82 52 A 82219.12935013 .00086512 79370-5 11602-3 0 1512
2 13243 64.9804 250.0999 0010561 268.8123 91.0919 16.06382810 10693

1 13243U 82 52 A 82219.25387853 .00051233 00000-0 67208-4 0 1525
2 13243 64.9823 249.6436 0009805 269.4567 90.5310 16.06380717 10719

1 13243U 82 52 A 82220.19772395 .00077952 72133-5 10581-3 0 1537
2 13243 64.9855 246.2115 0009550 259.4960 100.4890 16.06242631 10865

1 13243U 82 52 A 82221.18386101 .00059488 00000-0 77888-4 0 1553
2 13243 64.9816 242.5564 0009398 265.4704 94.4572 16.06377703 11029

1 13243U 82 52 A 82221.24613197 .00042257 00000-0 55646-4 0 1563
2 13243 64.9829 242.3276 0009590 266.3118 93.6959 16.06375395 11030

1 13243U 82 52 A 82222.17996365 .00041918 00000-0 55646-4 0 1582
2 13243 64.9912 238.9112 0010937 272.3785 87.4505 16.06219387 11189

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parts 6.

1	13243U	82 52	A	82222.42994810	.00076523	00000-0	99999-4	0	1593
2	13243	64.9826		237.9898 0010468	270.5448	88.9526	16.06330183		11220
1	13243U	82 52	A	82223.30062077	.00129191	11866-4	16975-3	0	1501
2	13243	64.9810		234.7925 0000018	252.0623	107.9630	16.06512933		11364
1	13243U	82 52	A	82224.05691749	.00000128	00000-0	16975-3	0	1623
2	13243	64.9049		233.5589 0050216	249.4211	110.1409	13.85423107		11472
1	13243U			82223.43737178	.00000128	00000-0	00000-0	0	01623
2	13243	64.9109		235.0407 0052509	249.6739	149.4558	13.85411910		14918
1	13243U			82223.75818957	.00000000	00000-0	00000-0	0	01635
2	13243	64.9225		234.2946 0043949	249.7674	109.8616	13.85521483		11431
1	13243U	82 52	A	82223.98478926	.00000127	00000-0	16975-3	0	1612
2	13243	64.9055		233.7481 0050348	249.4997	110.3456	13.85428513		11468
1	13243U	82 52	A	82224.05691749	.00000128	00000-0	16975-3	0	1645
2	13243	64.9049		233.5589 0050216	249.4211	110.1409	13.85423107		11472
1	13243U	82 52	A	82225.13968842	.00000393	00000-0	39999-3	0	1652
2	13243	64.9036		230.7353 0050600	249.9539	110.6679	13.85437550		11627
1	13243U	82 52	A	82225.57276798	.00001252	00000-0	11546-2	0	1677
2	13243	64.9018		229.6086 0050441	249.0362	110.4513	13.85435332		11684

1 13415U 82 52 D 82230.31539035 .00000100 .00000-0 13780-3 0 23
2 13415 64.9034 217.1325 0032095 234.0944 125.7181 13.39593399 12341

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Kosmos 1373

1	13244U	82 53	A	82153.59221487	-.00000313	00000-0	00000 0 0	10
2	13244	70.3832		126.2174	0098499	58.5732	302.7507 16.01017673	18

1	13244U	82 53	A	82153.77991005	-.00000293	00000-0	00000 0 0	39
2	13244	70.3765		125.6530	0102497	62.4687	298.6892 15.99042134	26

1	13244U	82 53	A	82154.28037763	.00007052	00000-0	83271-5 0	45
2	13244	70.3777		124.2104	0102055	61.4707	299.6844 15.99028827	103

1	13244U	82 53	A	82154.53061490	.00000485	00000-0	83271-5 0	51
2	13244	70.3806		123.5620	0060955	332.1637	330.3791 15.53545448	795

1	13244U	82 53	A	82157.30958790	.00010275	00000-0	15080-3 0	89
2	13244	70.3793		116.0737	0061164	326.6626	33.0557 15.53536885	595

1	13244U	82 53	A	82159.21103533	-.00005510	00000-0	-78383-4 0	92
2	13244	70.3789		113.6449	0061013	325.0537	34.5742 15.53513435	734

1	13244U	82 53	A	82154.53061490	.00000485	00000-0	83271-5 0	51
2	13244	70.3806		123.5620	0060955	332.1637	330.3791 15.53545448	795

1	13244U	82 53	A	82155.24913219	.00015555	00000-0	22663-3 0	66
2	13244	70.3802		121.6206	0061168	330.4524	29.3257 15.53556182	905
1	13244U	82 53	A	82156.27933714	.00013680	00000-0	19999-3 0	79
2	13244	70.3793		118.8462	0060754	327.7485	31.8958 15.53547806	433
1	13244U	82 53	A	82159.17690834	-.00005508	00000-0	-79383-4 0	102
2	13244	70.3793		111.0439	0061071	323.4995	36.2170 15.53504855	860
1	13244U	82 53	A	82160.27154110	.00019295	00000-0	28066-3 0	116
2	13244	70.3809		108.0958	0061255	321.6477	38.0359 15.53523963	1059
1	13244U	82 53	A	82161.30176487	-.00000936	00000-0	-12214-4 0	126
2	13244	70.3815		105.3207	0060968	319.7943	39.7155 15.53501898	1212
1	13244U	82 53	A	82161.36618403	.00003010	00000-0	44682-4 0	130
2	13244	70.3804		105.1417	0061906	319.8530	39.8196 15.53519291	1220
1	13244U	82 53	A	82161.36618390	-.00065273	00000-0	-95378-3 0	144
2	13244	70.3791		105.1429	0061906	319.1922	40.4866 15.53496877	1221
1	13244U	82 53	A	82162.71838933	.00008669	00000-0	12762-3 0	152
2	13244	70.3809		101.5062	0061858	317.6545	41.9713 15.53504032	1439
1	13244U	82 53	A	82163.36229454	.00012802	00000-0	12762-3 0	161
2	13244	70.3813		99.7608	0021847	265.1579	100.1865 15.65499887	1536
1	13244U	82 53	A	82163.61691140	.00033683	00000-0	33142-3 0	170
2	13244	70.3823		99.0627	0022189	264.5124	95.3581 15.55517233	1570
1	13244U	82 53	A	82164.83095853	.00010109	00000-0	99999-4 0	186
2	13244	70.3808		95.7371	0022033	262.4165	97.4645 15.55523219	1769

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forts. 7

1	13244U	82 53	A	82164.93095853	.00010109	00000-0	99999-4 0	197
2	13244	70.3808		95.7371 0022033	262.4165	97.4645	15.65523219	1769

1	13244U	82 53	A	82165.27923220	.00006143	00000-0	61177-4 0	205
2	13244	70.3814		94.5109 0022118	261.2266	99.6402	15.65526691	1833

1	13244U	82 53	A	82166.23667720	.30024229	00000-0	23999-3 0	217
2	13244	70.3829		91.8835 0022007	259.6236	100.2172	15.65544165	1993

1	13244U	82 53	A	82167.25899986	.00002941	00000-0	29326-4 0	226
2	13244	70.3823		89.0813 0021967	258.1635	101.5469	15.65530745	2147

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Kosmos 1374

1	13259U	82 54	B	82155.18785152	-.00008406	58017-4	00000 0 0	13
2	13258	50.6697		147.5009	0042086	326.8159	32.5517 16.29143243	35
1	13258U	82 54	B	82155.86138773	.04236926	59136-4	41361-3 0	36
2	13258	50.6594		143.6521	0034265	333.1858	27.0354 16.35200993	149
1	13259U	82 54	B	82156.10562898	.06750639	59669-4	38541-3 0	45
2	13258	50.6581		142.2465	0029872	328.0228	32.3640 16.38378140	181
1	13259U	82 54	B	82156.22746906	.07726739	59548-4	31906-3 0	52
2	13258	50.6603		141.5444	0026920	324.2748	35.7585 16.40352020	201
1	13258U	82 54	B	82156.34921410	.10305392	60289-4	27424-3 0	67
2	13258	50.6587		140.8406	0024362	323.9453	36.1471 16.42928482	223
1	13259U	82 54	B	82156.47073853	.08549691	60575-4	16619-3 0	72
2	13258	50.6641		140.1377	0023629	329.3288	30.3938 16.44731867	242

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Kosmos 1375

1	13259U	82 55	A	82157.84524206	-.00000032	00000-0	00000 0 0	13
2	13259	65.8432		133.4060 0024164	292.2202	67.5306	13.71523282	15
1	13259U	82 55	A	82158.06430302	-.00000032	00000-0	00000 0 0	22
2	13259	65.8286		132.8490 0017168	308.7397	52.3697	13.70202854	42
1	13259U	82 55	A	82158.20990974	-.00000032	00000-0	00000 0 0	35
2	13259	65.9372		132.4973 0020415	291.3277	68.5605	13.71225924	67
1	13259U	82 55	A	82159.15807455	-.00000032	00000-0	00000 0 0	42
2	13259	65.8357		130.1678 0020554	292.1273	67.7540	13.71202686	199
1	13259U	82 55	A	82160.32504691	-.00000032	00000-0	00000 0 0	59
2	13259	65.9356		127.3047 0020484	291.3146	68.5735	13.71205977	357
1	13259U	82 55	A	82160.54415953	-.00000032	00000-0	00000 0 0	67
2	13259	65.8368		123.7672 0021990	292.8926	66.9846	13.71055630	389
1	13259U	82 55	A	82161.34654003	.00013148	00000-0	I4696-1 0	77
2	13259	65.8357		124.8031 0022149	290.6819	69.1999	13.71067534	491

1	13259U	82 55	A	82162.36775289	.00013149	00000-0	14696-1 0	82
2	13259	65.8393		122.2941 0022064	292.9208	66.9595	13.71070924	635
1	13259U	82 55	A	82162.36775289	.00013149	00000-0	14696-1 0	93
2	13259	65.8393		122.2941 0022064	292.9208	66.9595	13.71070924	636
1	13259U	82 55	A	82163.60779661	-.00001281	00000-0	-13938-2 0	105
2	13259	65.8359		119.2524 0022031	291.7886	68.0861	13.71054065	800
1	13259U	82 55	A	82164.55606409	.00001590	00000-0	13255-2 0	117
2	13259	65.8354		116.9250 0022001	291.3373	68.5345	13.71058502	935
1	13259U	82 55	A	82163.60779600	.00000058	00000-0	99999-4 0	123
2	13259	65.8360		119.2523 0022003	291.8282	68.0457	13.71056474	803
1	13259U	82 55	A	82164.84783808	.00001936	00000-0	22211-2 0	133
2	13259	65.8358		116.2093 0022030	291.2949	68.5747	13.71059598	973
1	13259U	82 55	A	82165.28549923	.00000591	00000-0	72250-3 0	153
2	13259	65.8352		115.1352 0022029	290.9492	69.0102	13.71057026	1032
1	13259U	82 55	A	82166.23376861	.00003640	00000-0	41209-2 0	150
2	13259	65.8370		112.8082 0022103	291.8824	67.9707	13.71056666	1163
1	13259U	82 55	A	82167.25498104	.00001225	00000-0	14285-2 0	171
2	13259	65.8356		110.3019 0022084	291.1921	66.6606	13.71058032	1304
1	13259U	82 55	A	82168.20324949	.00000491	00000-0	60966-3 0	184
2	13259	65.8357		107.9743 0022117	290.4829	69.3778	13.71056825	1441
1	13259U	82 55	A	82169.22446215	.00000595	00000-0	72565-3 0	192
2	13259	65.8360		105.4698 0022226	290.3210	69.5403	13.71056929	1587
1	13259U	82 55	A	82169.37035067	.00005863	00000-0	65960-2 0	202
2	13259	65.8356		105.1123 0022221	290.2373	69.6325	13.71052738	1609

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forts. 1

1	13259U	82 55	A	82170.09978143	.00090379	00000-0	99274-1 0	215
2	13259	65.8384		103.3189 0022225	289.2368	70.5004	13.71076512	1700
1	13259U	82 55	A	82170.46449537	.00000058	00000-0	99999-4 0	229
2	13259	65.8372		102.4260 0022147	289.4538	70.3601	13.71056306	1755
1	13259U	82 55	A	82171.33993052	.00001072	00000-0	12579-2 0	235
2	13259	65.8383		100.2768 0022012	288.6753	71.1897	13.71057231	1874
1	13259U	82 55	A	82172.21515426	.00001428	00000-0	16553-2 0	242
2	13259	65.8378		98.1333 0022149	288.9287	70.9292	13.71058750	1993
1	13259U	82 55	A	82173.52813846	.00001411	00000-0	16356-2 0	253
2	13259	65.8374		94.9097 0022376	288.7482	71.0987	13.71056931	2179
1	13259U	82 55	A	82174.33052353	.00006139	00000-0	69044-2 0	261
2	13259	65.8364		92.9400 0022406	288.2211	71.6429	13.71064369	2287
1	13259U	82 55	A	82175.20583905	.00013385	00000-0	14959-1 0	275
2	13259	65.8352		90.7952 0022512	287.7739	72.0390	13.71065886	2400
1	13259U	82 55	A	82176.29998487	.00000805	00000-0	95116-3 0	282
2	13259	65.8376		88.1101 0022420	287.8238	71.9375	13.71057946	2551
1	13259U	82 55	A	82178.19654145	.00000736	00000-0	89355-3 0	305
2	13259	65.8367		83.4553 0022394	287.3071	72.5461	13.71056805	2815
1	13259U	82 55	A	82188.18980715	.00005622	00000-0	63277-2 0	433
2	13259	65.8358		58.9353 0022775	284.7881	74.9927	13.71060959	4183

1	132590	82 55	A	82191.25345878	.00009508	00000-0	10651-1 0	462
2	13259	65.8381		51.4155 0022599	284.5134	75.3422	13.71063642	4604
1	132590	82 55	A	82192.20171566	.00010305	00000-0	11537-1 0	471
2	13259	65.8357		49.0907 0022926	283.2825	76.5204	13.71066629	4735
1	132590	82 55	A	82224.29695999	-.00000028	00000-0	41797-5 0	901
2	13259	65.8383		330.3383 0023048	273.0622	86.7889	13.71056679	9131

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1	13263U	82 56	A	82159.37735586	.20000089	00000-0	00000 2 0	16
2	13263	82.3047		39.1276 0016984	79.6515	290.9745	16.17329009	13
1	13263U	82 56	A	82159.56315542	.00000086	00000-0	00000 0 0	20
2	13263	82.3472		38.8489 0017345	74.2933	287.5407	16.17718972	42
1	13263U	82 56	A	82159.68702044	.00000087	00000-0	00000 0 0	32
2	13263	82.3380		38.6627 0023497	99.0987	272.2975	16.15808703	78
1	13263U	82 56	A	82160.30627780	.00058199	00000-0	92491-4 0	55
2	13263	82.3777		37.9692 0019131	313.6010	38.7648	16.03145094	173
1	13263U	82 56	A	82160.30627780	.00058199	00000-0	92491-4 0	65
2	13263	82.3777		37.9692 0019131	313.6010	39.7648	16.03145094	173
1	13263U	82 56	A	82162.42976689	.00063861	94684-6	10276-3 0	99
2	13263	82.3664		35.5321 0009604	306.9221	53.1067	16.03352044	513
1	13263U	82 56	A	82162.42976689	.00063884	93724-6	10276-3 0	109
2	13263	82.3481		35.4940 0009630	306.4688	53.5667	16.03356049	516
1	13263U	82 56	A	82163.61553750	.00061008	00000-0	96443-4 0	113
2	13263	82.3425		34.1358 0010220	297.4983	62.5265	16.03495497	703

1	13263U	82 56	A	82164.30198854	.01331570	11770-2	21827-2 0	121
2	13263	82.3425		33.3467 0010231	294.7218	65.3174 16.03636293		811

1	13263U	82 56	A	82164.35439144	.00123124	57638-5	19531-3 0	137
2	13263	82.3425		33.2750 0010232	294.4694	65.5773 16.03621568		823

1	13263U	82 56	A	82164.86359410	.00067541	11658-5	10659-3 0	144
2	13263	82.3390		32.6993 0010323	290.6505	69.3726 16.03668492		907

1	13263U	82 56	A	82164.86359410	.00067541	11658-5	10659-3 0	155
2	13263	82.3390		32.6993 0010323	290.6505	69.3726 16.03668492		907

1	13263U	82 56	A	82165.36277897	.00072532	15594-5	11397-3 0	159
2	13263	82.3387		32.1252 0010465	288.8266	71.2169 16.03748501		987

1	13263U	82 56	A	82165.98672376	.00066658	10770-5	11397-3 0	171
2	13263	82.3440		31.4106 0011922	322.3897	37.1399 16.02014776		1084

1	13263U	82 56	A	82166.23671789	.00065649	11369-5	11397-3 0	182
2	13263	82.3405		31.1244 0011925	321.0649	38.9530 16.02017857		1123

1	13263U	82 56	A	82167.23610086	.00064933	95773-6	11187-3 0	192
2	13263	82.3390		29.9765 0011793	318.3973	41.6210 16.02141316		1292

1	13263U	82 56	A	82168.04804379	.00059034	73438-6	11187-3 0	204
2	13263	82.3594		29.0435 0018360	333.9509	24.7299 16.00291483		1414

1	13263U	82 56	A	82168.23587077	.00053023	00000-0	99999-4 0	219
2	13263	82.3380		28.8346 0019232	334.7900	25.1426 16.00226196		1447

1	13263U	82 56	A	82169.36145032	.00060523	82929-6	11439-3 0	226
2	13263	82.3436		27.5441 0018176	330.3535	29.6779 16.00350312		1621

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forts-1

1	13263U	82 56	A	82170.36187066	.00031248	00000-0	58642-4 0	235
2	13263	82.3455		25.3977 0017909	325.7679	34.1439	16.00423071	1787

1	13263U	82 56	A	82171.17471173	.00006106	00000-0	11389-4 0	243
2	13263	82.3430		25.4710 0017592	323.8704	35.1941	16.00489860	1914

1	13263U	82 56	A	82171.35227163	.00052509	00000-0	97531-4 0	256
2	13263	82.3448		25.2548 0017558	322.2331	37.8080	16.00536448	1941

1	13263U	82 56	A	82172.23754083	.00054716	61693-6	10190-3 0	267
2	13263	82.3444		24.2536 0017336	318.0976	41.9030	16.00631312	2093

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Kosmos 1377

1	13265U	82 57	A	82159.55690828	-.00004938	34044-4	00000 0 0	14
2	13265	64.9041		112.2596 0128443	60.1295	301.2989	16.06163726	14
1	13265U	82 57	A	82159.80594272	-.20004946	34313-4	00000 0 0	27
2	13265	64.9001		111.3533 0128042	60.1891	301.2248	16.06339620	59
1	13265U	82 57	A	82160.11722759	.00774610	34456-4	31212-3 0	39
2	13265	64.8976		110.1957 0125664	60.0788	301.6420	16.06878641	100
1	13265U	82 57	A	82160.42836085	-.00004976	34380-4	00000 0 0	47
2	13265	64.8999		109.0487 0125723	60.0737	301.4984	16.07068710	157
1	13265U	82 57	A	82160.55278356	-.00004856	33597-4	00000 0 0	59
2	13265	64.9005		108.5958 0146249	55.9322	303.1170	16.01581448	172
1	13265U	82 57	A	82161.23996136	.00625017	33928-4	27086-3 0	61
2	13265	64.9010		106.0828 0144039	55.8265	306.0723	16.02458208	293
1	13265U	82 57	A	82161.36469816	.00622126	34187-4	27196-3 0	74
2	13265	64.9009		105.6253 0142854	55.8292	305.6440	16.02614436	302
1	13265U	82 57	A	82162.30037748	.30574498	33294-4	27196-3 0	92
2	13265	64.9016		102.2014 0175110	55.1945	302.6528	15.95108581	457

1 13265U 82 57 A 82163.36647350 .00667044 33720-4 30114-3 0 105
2 13265 64.8964 98.3491 0171067 54.8276 306.8746 15.96420784 625

1 13265U 82 57 A 82163.36752301 .01039582 35543-4 30114-3 0 110
2 13265 64.8855 96.4780 0089969 61.1411 331.3586 16.16962689 704

1 13265U 82 57 A 82164.17129670 .01013570 35306-4 28741-3 0 122
2 13265 64.8979 95.3375 0086423 60.3655 300.9805 16.17815635 751

1 13265U 82 57 A 82164.29487232 .00974345 35005-4 27197-3 0 132
2 13265 64.8958 94.8749 0085752 60.3102 300.6674 16.18091386 772

1 13265U 82 57 A 82164.85091462 .01061578 34951-4 27780-3 0 144
2 13265 64.8964 92.7907 0082581 60.0250 300.9103 16.19279960 867

1 13265U 82 57 A 82164.85091277 .01076772 34755-4 28059-3 0 153
2 13265 64.8953 92.7916 0082750 59.5744 301.3467 16.19239536 862

1 13265U 82 57 A 82165.28310699 .01139224 35486-4 28164-3 0 165
2 13265 64.8965 91.1690 0079811 60.1400 300.8775 16.20313678 933

1 13265U 82 57 A 82166.26992844 .01254679 35584-4 26920-3 0 172
2 13265 64.8967 87.4553 0073673 59.9217 301.1123 16.22719029 1090

1 13265U 82 57 A 82169.37490809 .00663610 34458-4 24678-3 0 222
2 13265 64.8952 75.9504 0122545 57.6170 303.8379 16.08307756 1599

1 13265U 82 57 A 82170.43144052 .00756724 34617-4 26365-3 0 240
2 13265 64.8948 72.0462 0117674 57.2914 303.9470 16.09901852 1764

1 13265U 82 57 A 82171.36276932 .00922469 34657-4 29879-3 0 255
2 13265 64.8944 68.5961 0112715 57.0634 304.1307 16.11572575 1910

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Kosmos 1377

forts. 1

1	13265U	82 57	A	82172.10711408	.00744743	34355-4	29879-3	0	263
2	13265	64.8957		65.8331 0106110	61.4230	298.9588	16.10711066		2032
1	13265U	82 57	A	82172.29350148	.00578308	34847-4	23342-3	0	271
2	13265	64.8934		65.1419 0104681	61.4205	299.7447	16.10937662		2068
1	13265U	82 57	A	82173.53439975	.00644573	34491-4	23342-3	0	290
2	13265	64.8972		60.5312 0100949	60.6281	300.6084	16.12740710		2268
1	13265U	82 57	A	82174.34011817	.00882989	34475-4	30167-3	0	313
2	13265	64.8941		57.5389 0095877	60.7839	300.3376	16.14248170		2397
1	13265U	82 57	A	82175.20696722	.00945499	35215-4	29611-3	0	326
2	13265	64.8931		54.3114 0091477	60.6877	300.2221	16.15924123		2534
1	13265U	82 57	A	82175.32024612	.00996306	34961-4	27979-3	0	339
2	13265	64.8906		50.1451 0095684	60.1348	300.6855	16.18043492		2716
1	13265U	82 57	A	82181.25770139	.01411487	35527-4	23759-3	0	399
2	13265	64.8860		31.5926 0071614	63.9703	296.8632	16.25260345		3513
1	13265U	82 57	A	82181.68927069	.01698514	35659-4	24092-3	0	408
2	13265	64.8837		29.9609 0068131	63.2628	297.8678	16.26808746		3587
1	13265U	82 57	A	82181.68927069	.01698514	35659-4	24092-3	0	408
2	13265	64.8837		29.9609 0068131	63.2628	297.8678	16.25908746		3587
1	13265U	82 57	A	82182.48660162	.00414918	34356-4	22547-3	0	427
2	13265	64.8851		26.9750 0135984	116.6033	209.9399	16.01777653		3715

1 13265U 82 57 A 82133.49128528 .00612919 33566-4 31900-3 0 442
2 13265 64.8961 23.2963 0132611 116.2465 245.2016 16.02865868 3874

1 13265U 82 57 A 82183.61607119 .00499141 33804-4 26154-3 0 455
2 13265 64.8855 22.8391 0131901 116.0263 245.4212 16.02953667 3899

1 13265U 82 57 A 82184.30221082 .00519536 33525-4 26154-3 0 466
2 13265 64.8833 20.3226 0130229 115.9419 245.5558 16.03707279 4004

1 13265U 82 57 A 82184.67530168 .00473633 33754-4 23324-3 0 472
2 13265 64.8836 19.9473 0129620 115.5167 245.9257 16.04068408 4063

1 13265U 82 57 A 82185.23732466 .00521306 34191-4 25264-3 0 482
2 13265 64.8851 16.8885 0127274 115.3046 246.2625 16.04690002 4155

1 13265U 82 57 A 82187.23024919 .00565781 34177-4 25225-3 0 500
2 13265 64.8850 9.5549 0120470 114.3303 247.0143 16.06886608 4476

1 13265U 82 57 A 82188.16349351 .00648007 34711-4 27564-3 0 519
2 13265 64.8835 6.1133 0116822 113.9664 247.5326 16.08071678 4622

1 13265U 82 57 A 82188.97166451 .00714795 34561-4 28857-3 0 524
2 13265 64.8811 3.1261 0113421 113.5457 247.9035 16.09257825 4759

1 13265U 82 57 A 82189.28232149 .00710542 34106-4 28029-3 0 530
2 13265 64.8808 1.9775 0112369 113.4349 247.8534 16.09696782 4808

1 13265U 82 57 A 82190.15177648 .00703072 34742-4 26431-3 0 542
2 13265 64.8817 358.7574 0108540 112.9072 248.3038 16.10921040 4941

1 13265U 82 57 A 82191.14462739 .00760470 34689-4 26788-3 0 562
2 13265 64.8830 355.0682 0103972 112.2499 249.0897 16.12439194 5102

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Kosmos 1377

forts. 2

1	13255U	82 57	A	82191.26864438	.00763565	34785-4	26578-3 0	571
2	13265	64.8819		354.6105 0103378	112.2281	248.9933	16.12633134	5124
1	13265U	82 57	A	82192.75594863	.00540858	34553-4	25352-3 0	599
2	13265	64.8879		349.0665 0114039	126.5088	233.7403	16.07197137	5369
1	13265U	82 57	A	82193.00498739	.00623654	34694-4	30049-3 0	604
2	13265	64.8773		348.1705 0114401	127.8571	233.1221	16.07225037	5400
1	13265U	82 57	A	82193.37820455	.00621713	34415-4	30049-3 0	616
2	13265	64.8841		346.7775 0111524	126.6775	234.5151	16.07735935	5469
1	13265U	82 57	A	82194.90790305	.00870386	34934-4	37792-3 0	637
2	13265	64.8851		341.4961 0105403	126.6140	234.5965	16.10005708	5693
1	13265U	82 57	A	82196.35919430	.00902567	34687-4	34109-3 0	654
2	13265	64.8819		335.7371 0096589	126.0186	234.7807	16.13065730	5949
1	13265U	82 57	A	82197.13277352	.01068937	34457-4	48576-3 0	662
2	13265	64.8836		332.9712 0108921	133.5191	224.9830	16.28851262	6063
1	13265U	82 57	A	82197.35192719	.00662981	34389-4	29219-3 0	676
2	13265	64.8849		332.0556 0109047	133.9148	227.0234	16.09133086	6101
1	13265U	82 57	A	82197.72467094	.00835693	34318-4	35673-3 0	685
2	13265	64.8823		330.6687 0107326	133.4753	227.6408	16.09827495	6161
1	13265U	82 57	A	82198.28359565	.00846627	34551-4	34807-3 0	698
2	13265	64.8810		328.6025 0104292	133.6103	227.4203	16.10798983	6251

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Westar 5

1	13269U	82 58	A	82159.91646995	-.00003166	21888-4	00000 0 0	07
2	13269	27.5001		75.3015 7349570	178.5785	186.3190	2.23743686	04
1	13269U	82 58	A	82160.25687575	-.00000039	00000-0	00000 0 0	12
2	13269	26.9245		75.2104 7305842	179.1750	183.8993	2.27221820	06
1	13269U	82 58	A	82162.69193003	-.00000043	00000-0	00000 0 0	25
2	13269	0.3359		53.3720 0112625	198.2312	107.1665	1.01515137	06
1	13269U	82 58	A	82162.68193003	-.00000038	00000-0	00000 0 0	30
2	13269	0.3196		55.9728 0108936	195.2020	107.6573	1.01462632	03
1	13269U	82 58	A	82162.69193003	-.00000038	00000-0	00000 0 0	41
2	13269	0.3196		55.9728 0108936	195.2020	107.6573	1.01462632	03
1	13269U	82 58	A	82156.65409973	.00000093	00000-0	00000 0 0	93
2	13269	0.0836		314.2357 0034477	345.2826	60.1332	1.00511171	47
1	13269U	82 58	A	82167.65152009	.00000126	00000-0	00000 0 0	109
2	13269	0.0813		315.4505 0016300	346.4504	58.0228	1.00282461	59

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Kosmos 1378

1	13271U	82 59	A	82161.79129771	.00000011	00000-0	00000 0 0	14
2	13271	82.5353		189.7972 0017295	236.4039	123.5565	14.59837957	01
1	13271U	82 59	A	82162.06295589	.00000010	00000-0	00000 0 0	25
2	13271	82.4855		189.5219 0084107	31.4273	329.4949	14.55354517	47
1	13271U	82 59	A	82162.40238578	.00030344	00000-0	45924-2 0	30
2	13271	82.5127		189.2154 0020673	291.6275	68.2743	14.73910844	91
1	13271U	82 59	A	82162.53792707	.00030349	00000-0	45924-2 0	49
2	13271	82.5120		189.0921 0020480	291.3280	67.3263	14.73921770	113
1	13271U	82 59	A	82163.01300388	.00062405	00000-0	93027-2 0	60
2	13271	82.5123		188.6474 0020503	295.9949	53.9168	14.74381831	184
1	13271U	82 59	A	82164.16749995	.03144095	00000-0	31045 0 0	77
2	13271	82.5111		187.5837 0020737	286.3934	73.5477	14.73906979	353
1	13271U	82 59	A	82164.64270560	-.00048837	00000-0	-75413-2 0	89
2	13271	82.5104		187.1469 0020710	282.4601	77.4220	14.73997429	426
1	13271U	82 59	A	82164.84637419	.00012630	00000-0	19145-2 0	97
2	13271	82.5111		186.9574 0020317	283.7755	76.1228	14.73916691	456

1	13271U	82 59	A	82165.32159336	.000000001	00000-0	12765-3 0	115
2	13271	82.5111		186.5175 0020736	280.1322	79.7610	14.73904056	529
1	13271U	82 59	A	82172.31409996	.00000427	00000-0	63297-4 0	173
2	13271	82.5126		180.0603 0020420	255.4077	104.4974	14.73915761	1561
1	13271U	82 59	A	82173.46818491	.00000738	00000-0	10892-3 0	133
2	13271	82.5113		178.9938 0020581	253.4909	106.3951	14.73915381	1737
1	13271U	82 59	A	82174.21495539	.00000581	00000-0	86574-4 0	199
2	13271	82.5122		178.3043 0020583	250.9002	109.9935	14.73915535	1849
1	13271U	82 59	A	82179.23866425	.00000711	00000-0	10500-3 0	248
2	13271	82.5102		173.6627 0020751	233.2164	126.7015	14.73922203	2582
1	13271U	82 59	A	82224.11146517	.00001731	00000-0	25882-3 0	693
2	13271	82.5161		132.2231 0024520	89.0791	271.2313	14.74004523	9193

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Kosmos 1379

1	13291U	82 60	A	82169.45519237	-.00004502	30913-4	00000 0 0	13
2	13291	65.0947	107.6321	0298923	48.0403	314.5770	15.76187343	02

1	13291U	82 60	A	82169.51911999	-.00000070	00000-0	00000 0 0	23
2	13291	65.9466	104.7799	0358874	250.2570	104.9294	14.38409456	13

1	13291U	82 60	A	82169.51933630	-.00000064	00000-0	00000 0 0	33
2	13291	65.8393	104.7758	0336712	249.5036	106.9964	14.33991012	13

1	13294U	82 60	B	82169.58069737	.55081672	32964-4	50363-2 0	14
2	13294	65.1197	107.1827	0200819	46.4795	315.2914	15.99036657	29

1	13294U	82 60	B	82169.82860697	.67080087	34294-4	15485-1 0	27
2	13294	65.2267	106.3079	0084510	57.9024	296.1586	16.20083863	69

1	13294U	82 60	B	82169.95347903	.15157126	34682-4	35015-2 0	37
2	13294	65.1129	105.8954	0106026	56.2701	304.8529	16.26547985	84

1	13294U	82 60	B	82169.95349102	.34538771	35144-4	97080-3 0	46
2	13294	65.1146	105.8900	0122926	51.4451	309.7512	16.23423186	89

1	13294U	82 60	B	82169.95349340	.34520710	35383-4	97172-3 0	52
2	13294	65.1145	105.8897	0122851	51.5433	309.6695	16.23429934	89

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Kosmos 1380

1	13282U	82 61	A	82169.62034842	.00000773	-54070-5	00000 0 0	10
2	13282	82.9207		113.7233 0429084	79.9332	284.9630	15.44613570	25

1	13282U	82 61	A	82170.07377701	.00000747	-50930-5	00000 0 0	29
2	13282	82.8825		113.2899 0416985	79.4673	286.5758	15.46418615	93

1	13282U	82 61	A	82170.59091667	.02763805	-58040-5	36440-3 0	45
2	13282	82.9064		112.7866 0406101	76.4380	288.1521	15.49176159	171

1	13282U	82 61	A	82171.04254223	.43425970	-59903-5	49235-2 0	64
2	13282	82.9139		112.3201 0398630	74.2767	290.2976	15.51724147	240

1	13282U	82 61	A	82177.19284168	.10104732	-57651-5	29855-3 0	280
2	13282	82.9017		106.0092 0152011	54.4025	308.5447	16.15943994	1210

1	13282U	82 61	A	82177.25444126	.10924737	-58596-5	30424-3 0	298
2	13282	82.8979		105.9393 0146725	54.4399	307.0525	16.18516395	1222

1	13282U	82 61	A	82177.56283701	.16562901	-61807-5	32039-3 0	304
2	13282	82.8958		105.5988 0115421	53.8102	308.3085	16.27872923	1271

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Kosmos 1381

1	13293U	82 62	A	82169.59954935	-.00002572	17597-4	00000 0 0	26
2	13293	70.3918		144.4702 0131894	62.8359	299.5310	15.94709293	17
1	13293U	82 62	A	82170.03853227	-.00000298	00000-0	00000 0 0	33
2	13293	70.3624		143.2173 0124239	64.4579	296.9154	15.94434748	81
1	13293U	82 62	A	82170.29939341	-.00000090	00000-0	00000 0 0	49
2	13293	70.3924		142.4998 0043937	222.1780	107.2502	15.53733374	120
1	13293U	82 62	A	82171.38919632	.12116122	00000-0	69391-1 0	57
2	13293	70.3729		139.5833 0066980	212.9251	146.5042	15.53809790	290
1	13293U	82 62	A	82171.51795006	.00067404	00000-0	95357-3 0	69
2	13293	70.3742		139.2326 0064526	213.3967	145.9529	15.53706253	313
1	13293U	82 62	A	82172.29058080	.00067665	00000-0	95357-3 0	79
2	13293	70.3746		137.1503 0065213	211.9870	147.6531	15.53753771	439
1	13293U	82 62	A	82173.25626433	.00058428	00000-0	82409-3 0	81
2	13293	70.3782		134.5461 0065614	210.6084	148.7791	15.53739929	586
1	13293U	82 62	A	82173.51384924	.00028646	00000-0	40747-3 0	95
2	13293	70.3770		133.8562 0064964	209.6942	150.0127	15.53738603	627

1 13293U 82 62 A 82174.35080120 .00018939 00000-0 27043-3 0 109
2 13283 70.3756 131.6018 0065278 208.1914 151.4070 15.53725744 754

1 13293U 82 62 A 82175.25217283 .00006964 00000-0 99999-4 0 117
2 13283 70.3769 129.1719 0064896 206.8063 152.9904 15.53719604 896

1 13293U 82 62 A 82176.34667895 .00006962 00000-0 99999-4 0 125
2 13283 70.3749 126.2263 0064796 204.8593 154.9286 15.53712453 1061

1 13293U 82 62 A 82177.24801915 -.01005381 00000-0 -17140-1 0 131
2 13283 70.3767 123.7915 0054976 209.0773 150.7304 15.56525878 1201

1 13283U 82 62 A 82178.01970072 .00225058 00000-0 29148-2 0 143
2 13283 70.3744 121.7035 0055032 206.1650 155.4337 15.56198426 1329

1 13293U 82 62 A 82178.08366597 .00065325 00000-0 86349-3 0 157
2 13283 70.3737 121.5317 0054915 206.3797 153.4533 15.56196119 1338

1 13283U 82 62 A 82178.21222650 .00014137 00000-0 19977-3 0 162
2 13283 70.3746 121.1835 0055233 206.2610 153.5755 15.56180500 1354

1 13293U 82 62 A 82179.17642288 .00027614 00000-0 36825-3 0 179
2 13283 70.3774 118.5767 0054589 204.7299 155.0270 15.56188669 1507

1 13283U 82 62 A 82179.30500050 .00000340 00000-0 57805-5 0 184
2 13283 70.3744 118.2297 0055090 204.3870 155.4646 15.56169187 1525

1 13293U 82 62 A 82180.26921967 -.00004497 00000-0 -59557-4 0 199
2 13283 70.3751 115.6228 0055028 202.5549 157.3214 15.56155589 1671

1 13283U 82 62 A 82180.26921967 -.00004497 00000-0 -59557-4 0 201
2 13283 70.3751 115.6228 0055028 202.5549 157.3214 15.56155589 1671

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Kosmos 1381

parts. 1

1	13283U	82 62	A	82180.52634541	.00030002	00000-0	39999-3 0	217
2	13283	70.3742		114.9247 0054420	202.6174	157.2762	15.56195347	1711

1	13283U	82 62	A	92181.29772186	.00010441	00000-0	14114-3 0	228
2	13283	70.3743		112.8395 0054762	200.9942	158.3937	15.56160744	1934

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Soyuz T-6

1	13292U	82 63	A	82175.74107268	-.00008339	57652-4	00000 0 0	21
2	13292	51.7372		169.4796 0033718	106.3811	253.6796	16.23185979	19
1	13292U	82 63	A	82177.29946449	.00128350	00000-0	35104-3 0	52
2	13292	51.6270		161.1826 0017114	327.7528	32.2256	15.92947088 10704	
1	13292U	82 63	A	82179.30655561	.00156925	00000-0	41395-3 0	77
2	13292	51.6272		150.5747 0016384	334.3488	25.7039	15.93572106 11025	
1	13292U	82 63	A	82180.18440263	.00161577	00000-0	41833-3 0	83
2	13292	51.6274		145.9327 0018446	338.9527	21.0363	15.93846733 11168	
1	13292U	82 63	A	82180.24710681	.00161347	00000-0	41833-3 0	90
2	13292	51.6299		145.6064 0016439	334.8717	25.1843	15.93893630 11172	
1	13292U	82 63	A	82183.25776727	.00021947	00000-0	69039-4 0	121
2	13292	51.6320		129.7055 0026702	34.1525	326.1179	15.90319211 11656	

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Kosmos 1382

1	13296U	82 54	B	82176.34797729	.00321850	78824-5	78999-3	0	14
2	13296	62.8027		259.1064	0280711	117.6032	245.3542	15.53177943	48
1	13297U	82 64	B	82176.34797728	.00734176	35422-4	78999-3	0	19
2	13297	62.8564		259.0441	0309352	118.7020	247.0357	15.57245900	41
1	13295U	82 64	A	82176.15329394	-.00035536	00000-0	-55034	0 0	13
2	13295	62.8204		259.7491	7359307	315.9747	5.1312	2.02505329	01
1	13295U	82 64	A	82201.52915251	-.00000981	00000-0	00000	0 0	272
2	13295	62.8429		255.9548	7366805	316.2535	5.1257	2.00603096	524

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STS 4

1	13300U	82 65	A	82178.68975462	.01183339	91221-3	11105-2 0	11
2	13300	28.5198		333.4075 0008917	266.0335	177.5271	16.11079823	17
1	13300U	82 65	A	82178.88541539	.10576742	00000-0	13882-1 0	27
2	13300	28.5189		331.9375 0006034	266.4012	230.1756	15.90501456	63
1	13300U	82 65	A	82179.17529333	.00380552	00000-0	11105-2 0	59
2	13300	28.5155		329.7583 0004725	238.3880	121.6656	15.90756869	117
1	13300U	82 65	A	82179.62499999	.00379541	00000-0	11105-2 0	50
2	13300	28.5198		326.4038 0005663	248.3426	172.3786	15.90701115	180
1	13300U	82 65	A	82180.24165343	.00381407	00000-0	11105-2 0	78
2	13300	28.5232		321.7923 0006525	262.0074	97.4641	15.90785709	289
1	13300U	82 65	A	82180.36720561	.00067726	00000-0	20329-3 0	85
2	13300	28.5225		320.8608 0005678	259.7298	100.2673	15.90756945	301
1	13300U	82 65	A	82180.74357604	.00142165	00000-0	42282-3 0	95
2	13300	28.5203		318.0459 0005014	266.9050	93.1001	15.90859251	355
1	13300U	82 65	A	82181.24557194	.00153268	00000-0	47301-3 0	102
2	13300	28.5233		314.2961 0007320	300.3808	59.5168	15.90098067	440
1	13300U	82 65	A	82181.74760461	.00370281	00000-0	11105-2 0	120
2	13300	28.5266		310.5465 0007544	298.0168	61.9223	15.90221435	505

1	133000	82 65	A	82182.43795009	.00153563	00000-0	46735-3 0	133
2	13300	28.5228		305.3926	0007487	314.2708	45.7187 15.90387757	614
1	133000	82 65	A	82182.56335219	.00123479	00000-0	37681-3 0	145
2	13300	28.5231		304.4566	0007871	313.9373	46.1616 15.90358490	636
1	133000	82 65	A	82182.77870486	.00324527	00000-0	11105-2 0	158
2	13300	28.5165		302.8516	0005602	120.1586	35.5022 15.37720596	688
1	133000	82 65	A	82183.25429437	.00137249	00000-0	47538-3 0	173
2	13300	28.5192		299.3058	0006173	138.8333	221.1473 15.87855964	768
1	133000	82 65	A	82183.54166866	.00317034	00000-0	11105-2 0	180
2	13300	28.5180		297.1664	0013372	83.8916	121.9900 15.87156410	649
1	133000	82 65	A	82184.13465014	.00145721	00000-0	53887-3 0	192
2	13300	28.5200		292.7623	0015673	95.7690	264.4654 15.86350247	726
1	133000	82 65	A	82184.26045897	.00103151	00000-0	38226-3 0	202
2	13300	28.5207		291.8319	0015605	97.8103	262.4232 15.86374569	745
1	133000	82 65	A	82184.58771759	.00305861	00000-0	11105-2 0	219
2	13300	28.4992		289.3970	0016740	105.8557	327.2674 15.86373370	969
1	133000	82 65	A	82184.58771759	.00305861	00000-0	11105-2 0	220
2	13300	28.4992		289.3970	0016740	105.8557	327.2674 15.86373370	969
1	133000	82 65	A	82185.07816692	.00307746	00000-0	11105-2 0	236
2	13300	28.5039		285.7605	0017744	116.0599	243.8247 15.86486742	1047
1	133000	82 65	A	82185.45560150	.00305036	00000-0	11105-2 0	244
2	13300	28.5106		282.9748	0009927	104.2194	255.5992 15.86451313	1106

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Kosmos 1383

1	13301U	82066A	82180.89916749	.00000730	-49550-5	00000-0	0	00017
2	13301	82.9426	272.1069 0438759	83.2836	282.3701	15.29790940		03
1	13301U	82 66 A	82181.40490656	.00139021	00000-0	15060 0 0		27
2	13301	82.9319	271.7866 0026154	251.2536	108.5620	13.57533921		82
1	13301U	82 66 A	82181.69756055	.00139119	00000-0	15060 0 0		35
2	13301	82.9358	271.5695 0025519	251.0838	108.7007	13.67582151		102

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Kosmos 1384

1	13303U	82 67	A	82181.67928909	-.00003997	27772-4	00000 0 0	13
2	13303	67.1533		129.7641 0139350	70.0388	292.4526	16.04101427	11
1	13303U	82 67	A	82182.23940559	.00828093	27530-4	33555-3 0	32
2	13303	67.1441		127.8316 0137198	71.3998	290.8102	16.04562652	109
1	13303U	82 67	A	82182.23940559	.00828093	27530-4	33555-3 0	43
2	13303	67.1441		127.8316 0137188	71.3998	290.8102	16.04562652	109
1	13303U	82 67	A	82182.30163345	.00743421	27867-4	30026-3 0	56
2	13303	67.1466		127.6206 0136974	71.3308	290.2753	16.04644022	117
1	13303U	82 67	A	82183.23617523	.00579866	27597-4	22390-3 0	67
2	13303	67.1449		124.4768 0133673	70.1447	291.0085	16.25772172	262
1	13303U	82 67	A	82183.29862951	.00575135	27986-4	22390-3 0	77
2	13303	67.1467		124.2639 0132853	70.2855	291.2789	16.05858126	278
1	13303U	82 67	A	82184.29470184	.00609421	27998-4	22573-3 0	85
2	13303	67.1462		120.9081 0129363	69.2308	292.2937	15.07046657	434
1	13303U	82 67	A	82185.22795176	.00585526	29147-4	20661-3 0	93
2	13303	67.1431		117.7615 0126352	68.1893	293.2946	16.08127063	588

1	13303U	82 67	A	82185.72541773	.00594276	27525-4	20661-3 0	104
2	13303	67.1513		116.0817 0127038	67.6163	293.4576	16.08130983	666
1	13303U	82 67	A	82185.72541773	.00594276	27525-4	20661-3 0	115
2	13303	67.1513		116.0817 0127038	67.6163	293.4576	16.08130983	666
1	13303U	82 67	A	82187.15520836	.00508011	27913-4	20661-3 0	124
2	13303	67.1456		111.2437 0137932	73.0360	286.3081	16.04405338	293
1	13303U	82 67	A	82187.21794150	.00580150	27448-4	23629-3 0	139
2	13303	67.1464		111.0318 0137433	72.9542	288.6702	16.04482063	901
1	13303U	82 67	A	82188.21496113	.00591163	27942-4	23224-3 0	144
2	13303	67.1451		107.6790 0133667	72.0125	289.3698	16.05601858	1061
1	13303U	82 67	A	82188.77551366	.00645564	27953-4	24637-3 0	153
2	13303	67.1427		105.7901 0131364	71.2518	290.3850	16.05346517	1157
1	13303U	82 67	A	82189.27350867	.00637850	27872-4	23828-3 0	164
2	13303	67.1430		104.1115 0129278	70.8539	290.6253	16.06976893	1236
1	13303U	82 67	A	82190.20676054	.00639402	28275-4	22781-3 0	170
2	13303	67.1422		100.9620 0125766	69.9155	291.4401	16.08145294	1387
1	13303U	82 67	A	82191.26363758	.00720008	29118-4	24079-3 0	182
2	13303	67.1426		97.3892 0121287	68.8836	292.7784	16.09645206	1555
1	13303U	82 67	A	82192.25733235	.00743291	28154-4	23179-3 0	193
2	13303	67.1426		94.0180 0117185	67.8094	293.5581	16.11128064	1719
1	13303U	82 67	A	82193.25014080	.00680749	28508-4	19766-3 0	205
2	13303	67.1428		90.6437 0111589	66.5595	295.1746	16.12913350	1871

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Kosmos 1385

1	13345U	82 68	A	82187.44225998	.00178268	-62274-5	59999-4 0	17
2	13345	82.3198		67.7933 0039042	82.8065	277.7540	16.23443956	29
1	13345U	82 68	A	82187.87372036	.00180299	-56620-5	59999-4 0	25
2	13345	82.3275		67.2938 0038601	81.0868	279.5232	16.23625162	92
1	13345U	82 68	A	82188.18185074	.00283273	-58403-5	92825-4 0	39
2	13345	82.3222		66.9191 0038281	80.3186	280.2489	16.23851401	146
1	13345U	82 68	A	82188.24400836	.00171427	-55490-5	92825-4 0	42
2	13345	82.3602		66.7467 0092399	62.3009	298.7609	15.10204486	155
1	13345U	82 68	A	82188.42832193	.00014819	00000-0	92825-4 0	50
2	13345	82.3336		66.6569 0059788	239.9086	90.1940	15.74017103	185
1	13345U	82 68	A	82189.13283313	.00046344	00000-0	29880-3 0	61
2	13345	82.3311		65.8821 0062123	236.0721	123.1652	15.73915915	298
1	13345U	82 68	A	82189.32361976	.00015958	00000-0	99999-4 0	72
2	13345	82.3298		65.6716 0061142	235.5755	123.9261	15.73895715	327
1	13345U	82 68	A	82190.21372863	.00016028	00000-0	99999-4 0	89
2	13345	82.3302		64.6891 0062102	232.1422	127.3813	15.73908902	465
1	13345U	82 68	A	82191.23098436	-.00045338	00000-0	-29685-3 0	95
2	13345	82.3312		63.5655 0062617	228.0825	131.4148	15.73887214	622
1	13345U	82 68	A	82191.80322682	.00000803	00000-0	49006-5 0	100
2	13345	82.3315		62.9389 0061898	226.2284	133.4577	15.73903783	719

1 13345U 82 68 A 92192.24826641 .00012971 00000-0 30335-4 0 113
2 13345 82.3311 62.4459 0061838 224.2500 135.4042 15.73922097 786

1 13345U 82 68 A 82193.32908247 .00010392 00000-0 54734-4 0 125
2 13345 82.3300 61.2546 0061927 219.9812 139.6360 15.73934451 959

1 13345U 82 68 A 82194.79136583 .00006520 00000-0 40466-4 0 130
2 13345 82.3287 59.6425 0062473 214.3121 145.4044 15.73959313 1133

1 13345U 82 68 A 82195.29998023 .00013181 00000-0 81917-4 0 149
2 13345 82.3324 59.0809 0062255 212.4097 147.3618 15.73980116 1266

1 13345U 82 68 A 82196.31718173 .00018069 00000-0 11201-3 0 158
2 13345 82.3302 57.9617 0062247 208.5580 151.2700 15.74022408 1426

1 13345U 82 68 A 82197.27077750 .00015049 00000-0 93262-4 0 167
2 13345 82.3295 56.9092 0062284 204.8717 154.9111 15.74041940 1570

1 13345U 82 68 A 82198.28795087 .00018115 00000-0 11193-3 0 174
2 13345 82.3316 55.7851 0062467 201.0302 158.9157 15.74062993 1732

1 13345U 82 68 A 82198.73295956 .00005641 00000-0 34796-4 0 185
2 13345 82.3294 55.2974 0062555 199.3736 160.4887 15.74065089 1807

1 13345U 82 68 A 82199.17796830 .00012751 00000-0 78910-4 0 188
2 13345 82.3310 54.8045 0062328 197.7291 162.1896 15.74085508 1870

1 13345U 82 68 A 82200.25863069 .00015476 00000-0 95477-4 0 193
2 13345 82.3313 53.6133 0062529 193.4633 166.5298 15.74118456 2047

1 13345U 82 68 A 82201.33934548 .00026615 00000-0 16067-3 0 200
2 13345 82.3285 52.4239 0063911 195.8242 174.2307 15.74469191 2217

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forts. 1

1	13303U	82 67	A	82193.37407862	.00888120	28435-4	25518-3 0	216
2	13303	67.1414		90.2211 0110756	66.4662	294.8419	16.13160190	1994

1	13303U	82 67	A	82194.73691096	.01041459	28644-4	26736-3 0	224
2	13303	67.1372		85.5751 0101627	65.2930	295.9044	16.15982941	2113

1	13303U	82 67	A	82195.10817495	.01010923	28403-4	26736-3 0	234
2	13303	67.1470		84.3019 0095173	63.5210	297.8897	16.16934056	2179

1	13303U	82 67	A	82195.47908275	.01225467	28216-4	36750-3 0	254
2	13303	67.1032		83.0046 0100657	68.9733	289.2007	16.14691105	2236

1	13303U	82 67	A	82195.72732279	.01297333	28735-4	36750-3 0	270
2	13303	67.1369		82.1987 0100589	72.2222	288.9496	16.15250657	2274

1	13303U	82 67	A	82196.34622602	.01089293	28332-4	28613-3 0	284
2	13303	67.1417		80.0730 0097412	70.8291	289.9696	16.16573820	2376

1	13303U	82 67	A	82197.21196231	.01076167	28763-4	25857-3 0	297
2	13303	67.1380		77.1124 0092015	69.7506	291.2342	16.18423104	2510

1	13303U	82 67	A	82197.95320787	.01072395	28141-4	25957-3 0	304
2	13303	67.1828		74.6852 0106270	62.8910	296.3478	16.15651326	2634

1	13303U	82 67	A	82198.25300794	.01112070	28767-4	26559-3 0	315
2	13303	67.1399		73.5038 0102974	69.3801	292.0401	16.16380441	2681

1	13303U	82 67	A	82199.25229570	.01162239	28348-4	24520-3 0	321
2	13303	67.1391		70.1160 0096703	68.0570	293.0708	16.18703708	2849

1 13303U 82 67 A 82199.74643067 .01369243 28753-4 26355-3 0 330
2 13303 67.1386 69.4221 0093242 67.8691 293.5365 16.20122597 2924

1 13303U 82 67 A 82199.93155319 .00981668 28867-4 26355-3 0 348
2 13303 66.7166 67.5485 0133441 73.0355 291.2147 16.09193162 2956

1 13303U 82 67 A 82200.05711395 .00787543 27735-4 26355-3 0 354
2 13303 67.1393 67.3713 0151554 85.4324 273.7250 16.03427841 2975

1 13303U 82 67 A 82200.24469447 .00849379 27711-4 28126-3 0 361
2 13303 67.1360 66.7349 0150433 85.1348 276.7143 16.03757669 3007

1 13303U 82 67 A 82201.30428736 .00937733 27697-4 28871-3 0 379
2 13303 67.1335 63.1754 0144297 83.9699 277.9809 16.05705652 3174

1 13303U 82 67 A 82202.17584904 .00966641 27751-4 27694-3 0 388
2 13303 67.1296 60.2343 0139162 92.9189 278.9516 16.07426846 3319

1 13303U 82 67 A 82202.98430897 .00654496 27254-4 27694-3 0 399
2 13303 67.1285 57.5104 0183037 94.1556 261.9035 15.94548191 3449

1 13303U 82 67 A 82203.23625333 .00656416 27356-4 27593-3 0 407
2 13303 67.1347 56.6717 0181768 93.9114 268.2903 15.94983124 3480

1 13303U 82 67 A 82204.23921894 .00655432 25988-4 28561-3 0 411
2 13303 67.1326 53.3423 0177148 92.9908 269.0679 15.96184470 3649

1 13303U 82 67 A 82205.24138414 .00644293 27245-4 25285-3 0 423
2 13303 67.1252 50.0033 0172671 91.6958 270.3324 15.97480122 3809

1 13303U 82 67 A 82206.24274071 .00761038 27280-4 23299-3 0 439
2 13303 67.1317 46.6725 0167782 90.4653 271.9965 15.99018899 3963

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forts.2

1 13303U 82 67 A 82206.68041670 .00768563 27012-4 27914-3 0 441
 2 13303 67.1368 45.2168 0165856 90.2586 271.7182 15.99647187 4032

1 13303U 82 67 A 82206.93043733 .01171438 28259-4 31035-3 0 455
 2 13303 67.1398 44.3656 0106053 82.5904 285.1028 15.14823622 4075

1 13303U 82 67 A 82207.23900588 .00997564 28721-4 25763-3 0 460
 2 13303 67.1340 43.3139 0104184 82.3412 278.9834 16.15434097 4121

1 13303U 82 67 A 82208.04349465 .01017621 28676-4 24046-3 0 472
 2 13303 67.1329 40.5628 0099532 81.4428 279.9654 16.17146907 4255

1 13303U 82 67 A 82208.22898927 .01254379 28824-4 24475-3 0 485
 2 13303 67.1333 39.9286 0098292 81.0238 280.2122 16.17545650 4285

1 13303U 82 67 A 82209.03239202 .01157845 28641-4 24476-3 0 493
 2 13303 67.1336 37.1726 0092724 80.3563 281.1315 16.19448540 4415

1 13303U 82 67 A 82209.21759252 .01255881 29230-4 25131-3 0 501
 2 13303 67.1323 36.5403 0090741 80.2000 281.0070 16.19963685 4440

1 13303U 82 67 A 82209.77291414 .01469360 28697-4 25131-3 0 519
 2 13303 67.1298 34.6173 0086524 81.3831 279.9456 16.21912305 4532

1 13303U 82 67 A 82210.20427249 .01920200 28910-4 29524-3 0 520
 2 13303 67.1338 33.1347 0080787 78.9153 282.1300 16.23728139 4602

1 13303U 82 67 A 82211.00412354 .02319392 28781-4 24554-3 0 539
 2 13303 67.1326 30.3625 0070894 78.2413 282.6384 16.27426662 4738

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Kosmos 1386

1	13353U	82 69	A	82188.53931850	.00000006	00000-0	00000 0 0	11
2	13353	82.9511		99.8689 0038800	296.5330	63.1008	13.75062359	20

1	13353U	82 69	A	82189.12145450	.00043251	00000-0	44694-1 0	29
2	13353	82.9630		99.4321 0038069	292.6779	67.0887	13.75105347	104

1	13353U	82 69	A	82190.21289884	.00000644	00000-0	65876-3 0	59
2	13353	82.9636		98.6270 0037897	290.0690	69.6391	13.75087969	259

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Progress 14

1	13361U	82 70	A	82191.46886420	-.00008320	57443-4	00000 0 0	14
2	13361	51.6171		86.9581 0042147	98.6865	261.8938	16.22158779	10

1	13361U	82 70	A	82191.46886409	-.00008350	57710-4	00000 0 0	22
2	13361	51.6186		86.9634 0042147	98.6812	261.3965	16.22022755	11

1	13361U	82 70	A	82191.96171854	-.00008122	56248-4	00000 0 0	31
2	13361	51.7056		84.3785 0095527	25.8793	333.4912	16.11807744	99

1	13361U	82 70	A	82192.20992317	.00522119	56397-4	21642-3 0	44
2	13361	51.7049		83.0345 0094838	26.6092	334.1469	16.12150488	132

1	13361U	82 70	A	82192.45782064	.00189872	15352-4	21457-3 0	54
2	13361	51.7255		81.7130 0108791	53.5130	298.2970	15.97720126	179

1	13361U	82 70	A	82192.64707067	.00052599	00000-0	21457-3 0	72
2	13361	51.5970		80.6892 0028929	103.2762	242.4514	15.84931299	209

1	13361U	82 70	A	82192.71161109	.00253280	00000-0	99999-3 0	98
2	13361	51.6982		80.3851 0029386	101.1232	259.0587	15.84900312	212

✓	13361U	82 70	A	82193.21603845	.00254516	00000-0	99999-3 0	96
2	13361	51.6997		77.7568 0029359	99.3366	260.9491	15.84998780	298
1	13361U	82 70	A	82193.40520479	.00087921	00000-0	35310-3 0	101
2	13361	51.7004		76.7814 0029327	102.8685	257.5483	15.95030265	323
1	13361U	82 70	A	82193.40520479	.00087921	00000-0	35310-3 0	112
2	13361	51.7004		76.7814 0029327	102.8685	257.5483	15.95030265	323
1	13361U	82 70	A	82193.46925411	.00091041	00000-0	35310-3 0	121
2	13361	51.6359		76.3769 0017473	142.3172	215.8522	15.96193474	333
1	13361U	82 70	A	82196.05224612	.00129319	00000-0	50102-3 0	132
2	13361	51.6328		62.8640 0013442	155.2927	204.8776	15.96168154	13683
	13361U	82 70	A	82214.36459846	.00493347	00000-0	15435-2 0	286
	13361	51.6402		326.8735 0011310	222.5899	137.3593	15.99621702	16593
1	13361U	82 70	A	82219.20389723	.00245277	00000-0	75866-3 0	293
2	13361	51.6331		301.4153 0010054	270.7874	89.0536	15.90435338	4429
1	13361U	82 70	A	82223.53790921	.00254442	00000-0	73779-3 0	306
2	13361	51.6292		278.5820 0010864	291.0780	63.9912	15.91657394	18053
1	13361U	82 70	A	82224.35424107	.00137467	00000-0	39875-3 0	315
2	13361	51.6253		274.2775 0010837	295.8053	65.4823	15.91949089	18184

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Kosmos 1387

1	13365U	82071A	82194.38764191	.00000080	00000-0	00000-0	0	00011
2	13365	82.3415	77.2686 0065989	99.5829	261.2949	15.09108964		14
1	13365U	82 71 A	82194.44956330	.00000172	00000-0	53403-7 0		10
2	13365	82.3397	77.1724 0029479	92.9336	267.5324	16.15857648		25
1	13365U	82071A	82194.44956231	.00000080	00000-0	00000-0	0	00027
2	13365	82.3397	77.1724 0029479	92.9336	267.5266	16.15857667		21
1	13365U	82 71 A	82194.82113914	.00000179	00000-0	53403-7 0		34
2	13365	82.3357	76.7362 0023578	107.6850	254.9959	16.17573074		93
1	13365U	82 71 A	82194.82113914	.00000179	00000-0	53403-7 0		23
2	13365	82.3357	76.7362 0023578	107.6850	254.9959	16.17573074		83
1	13365U	82 71 A	82195.31565293	.00215459	-17215-5	12708-3 0		41
2	13365	82.3350	76.1574 0023176	108.7726	252.0555	16.17923273		163
1	13365U	82 71 A	82195.93401074	.00261590	-17281-5	15047-3 0		55
2	13365	82.3368	75.4311 0023132	105.8920	254.4923	16.18262431		258
1	13365U	82 71 A	82196.24318389	.00257396	-17428-5	14639-3 0		76
2	13365	82.3366	75.0670 0023129	104.7625	255.6176	16.18411792		311

1	13365U	82 71	A	82196.36684685	.00251667	-20599-5	14251-3 0	83
2	13365	82.3346		74.9207 0023042	104.1701	256.2137	16.18470759	330
1	13365U	82 71	A	82196.79963865	.00240517	-17488-5	13435-3 0	90
2	13365	82.3293		74.4183 0023067	101.5165	258.8711	16.19648968	404
1	13365U	82 71	A	82197.29419516	.00216296	-19511-5	11921-3 0	100
2	13365	82.3347		73.8301 0022816	101.3382	259.0471	16.18836388	488
1	13365U	82 71	A	82198.28311194	.00236100	-20261-5	12589-3 0	115
2	13365	82.3367		72.6655 0022505	97.5211	262.8806	16.19287974	645
1	13365U	82 71	A	82199.27174664	.00225455	-18480-5	11523-3 0	124
2	13365	82.3354		71.5031 0022416	93.6031	266.7835	16.19728816	803
1	13365U	82 71	A	82200.56899841	.00245635	-19599-5	12108-3 0	1290
2	13365	82.3359		69.9750 0021411	89.1965	271.1822	16.20365933	9832
1	13365U	82 71	A	82200.81592221	.00235873	-17423-5	11528-3 0	136
2	13365	82.3357		69.6543 0021487	87.6524	272.7319	16.20470183	9875
1	13365U	82 71	A	82201.24816546	.00244727	-19881-5	11751-3 0	140
2	13365	82.3357		69.1723 0021494	87.1849	273.2210	16.20693050	9944
1	13365U	82 71	A	82202.23592749	.00257532	-54377-5	11887-3 0	154
2	13365	82.3347		69.0077 0020878	83.3212	277.1549	16.21214711	1281
1	13365U	82 71	A	82203.22335087	.00239690	-55471-5	10724-3 0	166
2	13365	82.3351		66.8435 0019682	79.9405	280.2972	16.21669989	1440
1	13365U	82 71	A	82204.21054625	.00221807	-57537-5	195696-4 0	170
2	13365	82.3336		65.6759 0019375	75.6106	284.7161	16.22134283	1600

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forts. 1

1	13365U	82 71	A	82205.19745356	.00240525	-54293-5	10010-3 0	187
2	13365	82.3313		64.5122 0018744	70.0750	290.3548	16.22616951	1767
1	13365U	82 71	A	82206.24568918	.00276956	-56037-5	11060-3 0	193
2	13365	82.3325		63.2578 0017495	68.6377	291.8360	16.23193987	1939
1	13365U	82 71	A	82206.24568918	.00276956	-56037-5	11060-3 0	205
2	13365	82.3325		63.2678 0017495	68.6377	291.8360	16.23193987	1939

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Landsat 4

1	13367U	82 72	A	82197.79124078	-.00000032	00000-0	-19688-5 0	12
2	13367	98.2950		253.8654	0010095	79.6954	280.5546 14.56458008	19
1	13368U	82 72	B	82198.84957336	-.00000112	00000-0	00000 0 0	33
2	13368	101.7806		257.1899	0244306	296.8968	60.7464 15.13332785	76
1	13367U	82 72	A	82197.92863811	-.00000033	00000-0	-19688-5 0	24
2	13367	98.2696		258.9107	0010555	277.0212	85.1048 14.60989757	35
1	13367U	82 72	A	82198.81856926	.00000467	00000-0	99999-4 0	34
2	13367	98.2580		259.7965	0011753	278.9901	80.8388 14.60935435	162
1	13367U	82 72	A	82198.95557954	.00000466	00000-0	99999-4 0	37
2	13367	98.2567		259.9348	0011540	276.8391	83.1548 14.60937590	189
1	13367U	82 72	A	82199.29802730	.00000466	00000-0	99999-4 0	41
2	13367	98.2570		260.2759	0012012	275.5441	84.4472 14.60941202	231
1	13367U	82 72	A	82200.25698423	.000007310	00000-0	14993-2 0	56
2	13367	98.2556		261.2317	0011827	271.3264	88.6657 14.60945674	379
1	13367U	82 72	A	82201.75365507	.00000984	00000-0	19018-3 0	73
2	13367	98.2552		262.7341	0011701	265.7423	94.2403 14.60941958	590

1 13367U 82 72 A 82207.93024138 -.00004268 00000-0 -89560-3 0 127
2 13367 98.2553 268.8798 0008678 214.6009 145.4625 14.59481952 1492

1 13367U 82 72 A 82208.75294071 -.00004108 00000-0 -89552-3 0 138
2 13367 98.2532 269.6952 0000876 170.2220 184.7768 14.57743901 1515

1 13367U 82 72 A 82210.05806469 -.00000024 00000-0 00000 0 0 155
2 13367 98.2540 270.9907 0001022 185.5285 174.5911 14.57750850 1802

1 13367U 82 72 A 82212.18588355 -.00000023 00000-0 00000 0 0 162
2 13367 98.2555 273.1016 0001230 175.5282 184.5900 14.57752032 2119

1 13367U 82 72 A 82214.17642550 .00001775 00000-0 40403-3 0 182
2 13367 98.2538 275.0740 0002520 50.9904 291.4088 14.57104045 2408

82-73 A-H

Kosmos 1388-1395

1	13375U	82 73	A	82202.33167130	-.00000004	00000-0	00000 0 0	10
2	13375	74.7142		44.3414 0901516	143.7968	222.9380	10.98488635	17

1	13375U	82 73	A	82202.33361555	-.00000008	00000-0	00000 0 0	28
2	13375	73.2134		44.6380 0217024	77.5187	278.0890	12.51617151	13

1	13375U	82 73	A	82202.49298501	-.00000006	00000-0	00000 0 0	34
2	13375	74.0770		44.4180 0027538	102.1644	255.4481	12.52902834	33

1	13375U	82 73	A	82202.73245892	-.00000006	00000-0	00000 0 0	45
2	13375	74.0127		44.0968 0052136	94.2077	269.5998	12.57221379	62

1	13375U	82 73	A	82203.20917596	-.00000006	02200-0	00000 0 0	57
2	13375	74.0151		43.4547 0051824	93.1536	267.5653	12.57227332	120
1	13376U	82 73	B	82203.21065662	-.00000006	00000-0	00000 0 0	35
2	13376	74.0155		43.4608 0041935	102.7743	257.7981	12.55127126	129
1	13377U	82 73	C	82203.21206303	-.00000006	00000-0	00000 0 0	35
2	13377	74.0159		43.4438 0030545	100.8167	259.6325	12.53111925	120
1	13378U	82 73	D	82203.21343336	-.00000006	00000-0	00000 0 0	23
2	13378	74.0154		43.4873 0020443	105.7790	254.5598	12.51169269	130
1	13379U	82 73	E	82203.21485645	-.00000006	00000-0	00000 0 0	46
2	13379	74.0158		43.4529 0009333	108.4630	251.7447	12.49139468	138
1	13380U	82 73	F	82203.21537592	-.00000006	00000-0	00000 0 0	27
2	13380	74.0155		43.4886 0008308	197.0029	163.0765	12.47011982	137
1	13381U	82 73	G	82203.21782502	-.00000006	00000-0	00200 0 0	29
2	13381	74.0148		43.4896 0013800	259.4398	100.5101	12.44954679	131
1	13382U	82 73	H	82203.21849570	-.00000006	00000-0	00000 0 0	20
2	13382	74.0145		43.4612 0027047	253.8302	105.9778	12.42628581	133

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Molnira 1 BG

1	13377U	82 74	F	82202.45200344	-.00000397	00000-0	00000 0 0	12
2	13377	62.9645	116.5136	0305521	64.5315	298.7287	15.40975311	13

1	13373U	82 74	C	82202.46200352	-.00000541	00000-0	00000 0 0	13
2	13373	63.0050	116.4784	0337806	50.4621	301.4439	15.37006492	10

1	13383U	82 74	A	82202.46210051	.00000275	00000-0	99999-4 0	33
2	13383	62.9078	116.6376	7324987	238.1748	9.7118	2.05333816	18

1	13383U	82 74	A	82203.92291828	.00000114	00000-0	99999-4 0	47
2	13383	62.9294	116.3890	7324423	298.1952	9.6797	2.05363950	45

1	13383U	82 74	A	82204.89681951	-.00000005	00000-0	99999-4 0	54
2	13383	62.9388	116.2053	7324800	298.2004	9.7099	2.05367262	65

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Kormos 1396

1	13391U	82 75	A	82208.57469991	-.00001726	11854-4	00000 0 0	23
2	13391	72.8648		137.1436	0075780	89.7157	271.2737 16.10116979	14
1	13391U	82 75	A	82209.25817205	.00153381	11997-4	10315-3 0	32
2	13391	72.8540		135.3803	0075664	89.8566	272.3576 16.10311874	124
1	13391U	82 75	A	82209.44450756	.01660812	13432-2	20571-2 0	43
2	13391	72.8549		134.8993	0051699	82.4077	278.2360 16.05240195	156
1	13391U	82 75	A	82209.44451820	.01595069	16831-2	20571-2 0	59
2	13391	72.8548		134.8984	0047703	79.7701	280.8892 16.05018011	153
1	13391U	82 75	A	82209.50684539	.01551352	15394-2	20571-2 0	62
2	13391	72.8552		134.7394	0051049	81.5704	278.9280 16.04212528	167
1	13391U	82 75	A	82209.69393073	.01687595	19933-2	20571-2 0	75
2	13391	72.8542		134.2653	0044401	77.3638	284.2045 16.06271551	197
1	13391U	82 75	A	82209.81831341	.02812962	10861-1	39999-2 0	85
2	13391	72.8504		133.9464	0045415	75.1999	284.1894 16.05950895	211
1	13391U	82 75	A	82210.12975362	.00085136	54191-5	10238-3 0	94
2	13391	72.8556		133.1518	0044440	75.5741	284.7250 16.06084108	269

1 13391U 82 75 A 82210.12975362 .00085136 54191-5 10239-3 0 105
2 13391 72.8556 133.1518 0044440 75.5741 284.7250 16.06084108 269

1 13391U 82 75 A 82210.12975362 .00085136 54191-5 10239-3 0 117
2 13391 72.8556 133.1518 0044440 75.5741 284.7250 16.06084108 269

1 13391U 82 75 A 82210.87725391 .00038464 00000-0 45430-4 0 125
2 13391 72.8533 131.2434 0045111 72.5846 287.3862 16.06131441 388

1 13391U 82 75 A 82212.03086656 .00234202 27113-4 27556-3 0 146
2 13391 72.8509 128.2164 0044295 70.5509 290.4235 16.06353707 575

1 13391U 82 75 A 82212.24750341 .00135645 10487-4 15996-3 0 150
2 13391 72.8523 127.7417 0044050 70.2297 290.3271 16.06371641 600

1 13391U 82 75 A 82214.36495038 .00025232 00000-0 29287-4 0 121
2 13391 72.8535 122.3223 0043828 63.9694 296.5665 16.06580313 941

1 13391U 82 75 A 82215.23662998 .00076572 00000-0 87017-4 0 199
2 13391 72.8505 120.0975 0043488 62.2819 298.5348 16.06746196 1080

1 13391U 82 75 A 82216.29535969 .00299435 42100-4 39153-3 0 213
2 13391 72.8560 117.3929 0049955 68.9019 291.7142 16.04575066 1257

1 13391U 82 75 A 82217.23054943 .00090155 42099-4 00000-0 0 00224
2 13391 72.8552 115.0029 0047489 66.6153 294.0010 16.04706624 1402

1 13391U 82 75 A 82219.03835085 .00067159 00000-0 84341-4 0 232
2 13391 72.8558 110.3918 0046557 64.4448 296.1072 16.04955785 1697

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Kosmos 1396

forts. 7

1	13391U	82 75	A	82219.22535838	.00079289	43562-5	10097-3 0	252
2	13391	72.8561		109.9144 0046587	63.9621	296.6718	16.05005499	1721

1	13391U	82 75	A	82220.09795445	.00128905	10925-4	10097-3 0	263
2	13391	72.8551		107.6865 0018574	103.8340	258.5477	16.14213972	1863

1	13391U	82 75	A	82220.28352713	.00127048	10791-4	10097-3 0	270
2	13391	72.8287		107.2565 0019749	134.0591	226.1918	16.13955996	1893

1	13391U	82 75	A	82221.21325529	.00142302	12913-4	11165-3 0	284
2	13391	72.8518		104.8038 0018648	102.9234	257.1542	16.14180948	2041

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Kosmos 1397

1	13394U	82 76	A	82210.93326535	-.00000288	00000-0	00000 0 0	14
2	13394	50.6911		176.1375 0143984	148.2919	211.8868	15.41728499	12
1	13394U	82 76	A	82211.12796501	.00005859	00000-0	99999-4 0	29
2	13394	50.6821		175.1718 0143114	146.7544	214.2294	15.41112642	49
1	13394U	82 76	A	82211.19280984	.00005883	00000-0	99999-4 0	37
2	13394	50.6863		174.8471 0143688	147.3864	213.6313	15.41140713	56
1	13394U	82 76	A	82211.45216221	.00029385	00000-0	46906-3 0	63
2	13394	50.6837		173.5530 0143523	148.0959	212.9542	15.41146779	96
1	13394U	82 76	A	82212.29507368	.00017387	00000-0	29083-3 0	79
2	13394	50.6844		169.3415 0143583	151.5699	209.3227	15.41168776	222
1	13394U	82 76	A	82215.27750716	.00023843	00000-0	39369-3 0	125
2	13394	50.6862		154.4490 0143307	163.4537	197.1190	15.41302615	683
1	13394U	82 76	A	82218.97273064	.00026697	00000-0	43870-3 0	178
2	13394	50.6863		135.9925 0142248	178.1286	182.0032	15.41497920	1265

1	13394U	92 76	A	82221.24139976	.00035495	00000-0	57504-3 0	226
2	13394	50.6893		124.6582 0142365	187.1004	172.6620	15.41694447	1610
1	13394U	92 76	A	82224.35234882	.00041611	00000-0	66733-3 0	280
2	13394	50.6866		109.1085 0141869	199.3708	160.1784	15.41948144	2092

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Kosmos 1328

1	13396U	82 77	A	82215.59544515	.00000092	00000-0	00000 0 0	27
2	13396	82.3634	150.5646	0013923	78.1103	282.5378	16.18005355	21

1	13396U	82 77	A	82218.99549902	.00235887	-15797-5	12800-3 0	87
2	13396	82.3486	146.5750	0013735	67.1756	293.1474	16.19495927	579

1	13396U	82 77	A	82219.24264271	.00236593	-16215-5	12718-3 0	101
2	13396	82.3490	146.2835	0013712	66.8095	293.4898	16.19620459	610

1	13396U	82 77	A	82219.79862331	.00330009	-16354-5	17219-3 0	137
2	13396	82.3490	145.6306	0013054	65.0183	295.2487	16.20039791	703

1	13396U	82 77	A	82221.21891133	.00291485	-18380-5	14245-3 0	141
2	13396	82.3495	143.9601	0013417	59.2019	300.7941	16.20868582	933

1	13396U	82 77	A	82221.95971373	.00286286	-17301-5	13525-3 0	165
2	13396	82.3494	143.0885	0011452	57.1183	303.0935	16.21277026	1054

1 13396U 82 77 A 82222.45345489 .00335276 -19906-5 15522-3 0 170
2 13396 82.3493 142.5055 0011246 56.4240 303.9180 16.21636162 1134

1 13396U 82 77 A 82223.37889152 .00320099 -19975-5 14123-3 0 193
2 13396 82.3455 141.4169 0011502 53.8917 307.1150 16.22233776 1289

1 13396U 82 77 A 82223.50226517 .00306322 -17998-5 14123-3 0 193
2 13396 82.3420 141.2760 0011256 29.9205 330.0312 16.21687165 1305

1 13396U 82 77 A 82224.30437352 .00534266 -18620-5 22969-3 0 205
2 13396 82.3540 140.3220 0010260 29.5578 331.2825 16.22605247 1430

1 13396U 82 77 A 82225.04414473 .00571584 -19085-5 22963-3 0 217
2 13396 82.3529 139.4557 0008963 23.1304 332.1595 16.23477944 1553

1 13396U 82 77 A 82225.22902482 .00584484 -54511-5 22993-3 0 235
2 13396 82.3515 139.2311 0009860 29.6050 330.6020 16.23706467 1583

1 13396U 82 77 A 82225.47551979 .00677675 -54370-5 22993-3 0 242
2 13396 82.3640 138.9491 0011993 44.0590 317.2077 16.25412593 1621

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Kosmos 1399

1	13399U	82078A	82216.53803534	-.00000506	00000-0	00000-0	0	20010
2	13399	64.9045	160.9338	0134049	60.5263	300.9233	16.05050530	13

1	13399U	82078A	82216.85221284	-.00000506	00000-0	00000-0	0	00029
2	13399	64.8971	159.7764	0130949	60.0819	327.6143	16.05158082	14

1	13399U	82078A	82217.47059019	.00585924	00000-0	00000-0	0	00034
2	13399	64.8938	157.4909	0126439	60.3199	302.0505	16.07011742	154

1	13399U	82078A	82217.96870770	.00585924	00000-0	00000-0	0	00044
2	13399	64.8972	155.6531	0130269	60.6363	300.7586	16.06428157	245

1	13399U	82 78 A	82218.96431539	.00654196	34214-4	24561-3	0	71
2	13399	64.8950	151.9853	0124534	60.4977	300.8834	16.07819151	402

1	13399U	82 78 A	82219.64832180	.00702363	34232-4	24561-3	0	85
2	13399	64.8947	149.4628	0122136	60.4481	301.2914	16.089987660	514

1	13399U	82 78 A	82219.95898387	.00865307	34352-4	29522-3	0	95
2	13399	64.8962	148.3178	0120167	60.0678	301.4050	16.09605385	565

1	13399U	82 78	A	82220.08320389	.01216878	34519-4	39995-3 0	103
2	13399	64.8998	147.8524	0115236	60.8037	300.9558	16.10924688	582
1	13399U	82 78	A	82220.26932104	.01123335	34279-4	39995-3 0	117
2	13399	64.8826	147.1733	0111995	60.9561	300.3403	16.11286566	611
1	13399U	82 78	A	82221.13798396	.00950792	34930-4	29258-3 0	120
2	13399	64.8965	143.9398	0109068	60.5601	300.5766	16.12775400	757
1	13399U	82 78	A	82221.26198664	.00894412	34495-4	27355-3 0	135
2	13399	64.8962	143.4795	0108360	60.5044	300.6738	16.12974213	779
1	13399U	82 78	A	82222.00559735	.00909596	35090-4	25857-3 0	157
2	13399	64.8963	140.7127	0105079	59.9311	301.1531	16.14305400	890
1	13399U	82 78	A	82222.43915487	.00965053	34780-4	26161-3 0	161
2	13399	64.8946	139.0966	0102572	59.9341	301.3289	16.15213075	969
1	13399U	82 78	A	82223.42913987	.01060504	34668-4	25841-3 0	175
2	13399	64.8932	135.3974	0096677	59.5655	301.8695	16.17345000	1123
1	13399U	82 78	A	82223.67644173	.01063554	35177-4	25182-3 0	195
2	13399	64.8968	134.4757	0095230	59.5240	301.5626	16.17894690	1165
1	13399U	82 78	A	82224.23253313	.01331016	35352-4	29201-3 0	209
2	13399	64.8871	132.3922	0090948	59.9420	301.3843	16.19379976	1259
1	13399U	82 78	A	82224.97309846	.01470568	35326-4	29201-3 0	211
2	13399	64.8906	129.5992	0085309	60.3566	300.4206	16.21323037	1372

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Kosmos 1399

fort. 1

1	13399U	82 78	A	82225.21980252	.01366546	35127-4	24960-3 0	222
2	13399	64.9897		128.6779 0085420	58.4955	302.4522	16.22037740	1413

1	13399U	82 78	A	82225.77439469	.01512167	35674-4	24960-3 0	237
2	13399	64.8923		126.5653 0079553	63.7918	302.1041	16.23753575	1507

1	13399U	82 78	A	82225.14483638	.00962167	34961-4	24960-3 0	246
2	13399	64.8910		125.1950 0144534	76.4754	284.7942	16.15261310	1537

1	13399U	82 78	A	82226.14484663	.03825553	35375-4	95682-3 0	250
2	13399	64.8908		125.1944 0104101	76.6586	284.6196	16.15361665	1560

1	13399U	82 78	A	82227.19667044	.01049115	35527-4	24621-3 0	266
2	13399	64.8955		121.2675 0097945	76.0286	285.1522	16.17447430	1733

1	13399U	82 78	A	82228.18526339	.01126455	35751-4	23217-3 0	290
2	13399	64.8840		117.5575 0092309	75.9938	285.1493	16.19685364	1891

1	13399U	82 78	A	82228.24700485	.01097657	34786-4	22503-3 0	300
2	13399	64.8869		117.3313 0091969	75.5817	285.5309	16.19797369	1904

1	13399U	82 78	A	82229.80245940	.01270500	35175-4	23598-3 0	312
2	13399	64.8835		115.2382 0088882	75.4733	285.8488	16.21205513	1994

1	13399U	82 78	A	82229.11077848	.00895913	34449-4	23698-3 0	321
2	13399	64.8893		114.0967 0145852	85.5761	266.2746	16.06670750	2047

1	13399U	82 78	A	82229.36143442	.00915819	34203-4	24555-3 0	332
2	13399	64.8835		113.1735 0143064	95.9531	275.8007	16.07138105	2082

1	13399U	82 78	A	82230.29432979	.01012322	34335-4	24555-3 0	347
2	13399	64.8854		109.7206 0137947	85.1757	276.8661	16.09078057	2239

1	13399U	82 78	A	82230.72920810	.01055991	34357-4	24729-3 0	358
2	13399	64.8854		108.1150 0134826	85.0371	276.6743	16.10017835	2303

1	13399U	82 78	A	82231.23802688	.01029414	34728-4	21390-3 0	367
2	13399	64.8856		106.0408 0131336	94.9595	276.7936	16.11283572	2390

1	13399U	82 78	A	82232.21836340	.01177257	35126-4	20734-3 0	377
2	13399	64.8862		102.5851 0124652	84.6439	276.9000	16.13467751	2543

1	13399U	82 78	A	82233.27124434	.01584874	34756-4	21938-3 0	381
2	13399	64.8848		98.6574 0117140	84.0820	277.5981	16.16173441	2713

1	13399U	82 78	A	82233.95140753	.00579050	34270-4	21938-3 0	394
2	13399	64.8847		96.1244 0126829	103.7615	253.6440	16.07281384	2826

1	13399U	82 78	A	82235.63087661	.20540145	34339-4	18790-3 0	428
2	13399	64.8766		99.9181 0119181	103.1457	258.3335	16.09644510	3099

1	13399U	82 78	A	82236.12782560	.00555765	34976-4	18790-3 0	436
2	13399	64.8833		98.0790 0116655	103.1778	258.5605	16.10418938	3175

1	13399U	82 78	A	82236.25196560	.20770467	34538-4	25448-3 0	440
2	13399	64.8843		97.6202 0116432	102.6589	258.7909	16.10663976	3191

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Kosmos 1399

parts. 2

1	13399U	82 78	A	82237.12086202	.00779117	34647-4	24218-3 0	454
2	13399	64.8844		84.3965 0112364	102.4171	259.0064	16.12034070	3333
1	13399U	82 78	A	82237.92702679	.00670328	35012-4	24218-3 0	460
2	13399	64.8841		81.3973 0099663	101.4454	261.3035	16.15491202	3463
1	13399U	82 78	A	82238.17435377	.00755412	34798-4	20612-3 0	477
2	13399	64.8834		80.4752 0098796	101.3310	259.9034	16.15906484	3503
1	13399U	82 78	A	82238.91669517	.01022353	35143-4	25794-3 0	489
2	13399	64.8847		77.6953 0094610	101.0746	260.2401	16.17417801	3622
1	13399U	82 78	A	82239.22576679	.00986205	35278-4	24244-3 0	492
2	13399	64.8811		76.5440 0092700	100.9622	260.1800	16.18020057	3672
1	13399U	82 78	A	82240.95436161	.01144376	35305-4	22490-3 0	519
2	13399	64.8810		70.0480 0092771	99.6306	261.5172	16.21892822	3953
1	13399U	82 78	A	82240.21403156	.01090522	35350-4	23599-3 0	505
2	13399	64.8799		72.8342 0087305	99.9582	261.1456	16.20191714	3832
1	13399U	82 78	A	82241.07765546	.01268526	35407-4	24597-3 0	520
2	13399	64.8790		69.5798 0081303	98.8059	262.2755	16.22277101	3976
1	13399U	82 78	A	82241.20092596	.00753238	34241-4	24187-3 0	531
2	13399	64.8511		69.1860 0132854	104.3244	250.0510	16.07631820	3992
1	13399U	82 78	A	82241.20092585	.00753238	34241-4	24187-3 0	542
2	13399	64.8511		69.1860 0132854	104.3244	250.0510	16.07631820	3992

1	13399U	82 78	A	82241.26437733	.00653464	33952-4	24187-3 0	554
2	13399	64.8797		68.8965 0135979	121.8633	239.9998	16.05651654	4009
1	13399U	82 78	A	82242.13599721	.00842758	34492-4	29157-3 0	566
2	13399	64.8790		65.6927 0131867	121.5343	239.7403	16.07118811	4142
1	13399U	82 78	A	82242.19812893	.00850661	34610-4	29461-3 0	573
2	13399	64.8799		65.4547 0131247	121.4456	239.9616	15.07237680	4153
1	13399U	82 78	A	82243.19316506	.00943357	34373-4	30022-3 0	586
2	13399	64.8788		61.7763 0125767	121.2004	240.7604	16.09150125	4315
1	13399U	82 78	A	82244.00064454	.00960141	34651-4	29540-3 0	596
2	13399	64.8784		63.7837 0121119	120.7109	240.6447	15.10719163	4444
1	13399U	82 78	A	82244.18638158	.00981134	34429-4	28707-3 0	604
2	13399	64.8791		63.0969 0119973	120.6738	240.6427	16.11094676	4477
1	13399U	82 78	A	82245.11745463	.01036696	34388-4	27758-3 0	619
2	13399	64.8788		64.6428 0114406	120.2524	241.1291	16.13222751	4629
1	13399U	82 78	A	82245.17943003	.01025080	34599-4	27391-3 0	624
2	13399	64.8778		64.4124 0113908	120.2565	240.9894	16.13141189	4634
1	13399U	82 78	A	82245.61327507	.01094504	34996-4	27357-3 0	637
2	13399	64.8813		62.7994 0111529	119.7498	241.5681	16.14116344	4700
1	13399U	82 78	A	82246.23257586	.01154985	35070-4	27357-3 0	642
2	13399	64.8781		60.4884 0106887	119.6424	241.7720	16.15618834	4803
1	13399U	82 78	A	82246.79009253	.00555411	33955-4	27357-3 0	659
2	13399	64.8803		48.4127 0130051	140.8705	220.1586	16.03965609	4897

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Kormos 1399

forts. 3

1 13399U 82 78 A 82247.22644841 .00679039 34358-4 32240-3 0 675
 2 13399 64.8787 46.8082 0128573 141.6750 219.3942 16.04627272 4961

1 13399U 82 78 A 82247.22644841 .00679039 34358-4 32240-3 0 685
 2 13399 64.8787 46.8082 0128573 141.6750 219.3942 16.04627272 4961

1 13399U 82 78 A 82249.28100444 .01600898 34204-4 68163-3 0 704
 2 13399 64.8809 39.2400 0116190 141.1399 219.7966 16.09135837 5294

1 13399U 82 78 A 82248.22320695 .00812453 34373-4 36482-3 0 694
 2 13399 64.8786 43.1413 0123252 141.2224 220.2366 16.06242727 5129

1 13399U 82 78 A 82249.65399651 .01398252 34623-4 55755-3 0 710
 2 13399 64.8779 37.8599 0115321 140.7771 219.3242 16.08982991 5353

1 13399U 82 78 A 82250.27535205 .01211220 34708-4 45945-3 0 723
 2 13399 64.8783 35.5618 0110664 140.6455 220.2965 16.10393337 5450

1 13399U 82 78 A 82250.64784988 .00786010 33800-4 45945-3 0 734
 2 13399 64.8675 34.1791 0126528 155.0774 204.6371 16.02769896 5518

1 13399U 82 78 A 82250.71242140 .00779177 33944-4 45945-3 0 745
 2 13399 64.8786 33.9521 0129509 155.2806 205.3546 16.02096238 5526

1 13399U 82 78 A 82250.77286135 .00778736 33698-4 45945-3 0 752
 2 13399 64.8777 33.7231 0129100 155.2741 205.4634 16.02169058 5539

1	13399U	82 78	A	82250.77286135	.00778736	33698-4	45945-3 0	763
2	13399	64.8777		33.7231 0129100	155.2741	205.4634	16.02139058	5539
1	13399U	82 78	A	82251.20970651	.00616646	33782-4	35699-3 0	779
2	13399	64.8766		32.1236 0127523	154.9970	205.6143	16.02703457	5603
1	13399U	82 78	A	82252.27008055	.00577228	34234-4	31979-3 0	787
2	13399	64.8760		28.2353 0123800	154.6046	205.8640	16.03914990	5777
1	13399U	82 78	A	82259.22277699	.00964015	35366-4	29373-3 0	965
2	13399	64.8699		2.4431 0069492	150.4834	210.3219	16.20354106	6897
1	13399U	82 78	A	82253.20509934	.00634979	34143-4	33687-3 0	797
2	13399	64.8751		24.7990 0119953	154.2259	205.6984	16.05120245	5922
1	13399U	82 78	A	82254.26379541	.00634076	34400-4	32033-3 0	903
2	13399	64.8764		20.2015 0115584	153.6526	207.0679	16.06487024	6094
1	13399U	82 78	A	82256.25415540	.00738965	34372-4	33545-3 0	827
2	13399	64.8738		13.5550 0106698	152.9883	207.7576	16.09300285	6417
1	13399U	82 78	A	82256.69906965	.00880898	35120-4	33545-3 0	836
2	13399	64.8740		11.9407 0081415	150.9077	213.0340	16.15698661	6495
1	13399U	82 78	A	82257.24540015	.00876506	35079-4	31607-3 0	940
2	13399	64.8733		9.8597 0079065	151.1014	209.4585	16.16665473	6572
1	13399U	82 78	A	82258.23462912	.00889305	35140-4	29173-3 0	955
2	13399	64.8717		6.1544 0074454	150.6931	209.9317	16.18427519	6739

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Kosmos 1400

1	13402U	82.79	A	32217.34784017	.00000010	00000-0	00000-0	0	00215
2	13402	81.1667		81.4409 0017419	34.2419	325.9854	14.76604843		12
1	13402U	82.79	A	82217.41559310	.00000010	00000-0	00000-0	0	00035
2	13402-	81.1733		81.3682 0016579	32.7808	327.4387	14.76709405		21
1	13402U	82.79	A	82217.41666764	.00000009	00000-0	00000 0 0		13
2	13402	81.1667		81.4409 0017400	34.2419	325.9906	14.76604831		05
1	13402U	82.79	A	82219.31282217	.000000710	00000-0	99999-4 0		37
2	13402	81.1620		79.2976 0016561	24.7862	335.4272	14.76715302		291

82-80A

Soy42 T-7

1	13425U	82 80	A	82231.76993766	-.00001019	00000-0	00000-0 0	39
2	13425	51.3242		235.2751	0001547	24.9271	333.2954 16.26309667	05
1	13425U	82 80A		82231.83180773	-.00006219	57876-4	00000-0 0 00016	
2	13425	51.5243		234.9179	0017179	96.4517	263.9315 15.24544206	23
1	13425U	82 80A		82231.83180581	-.00006219	57876-4	00000-0 0 00024	
2	13425	51.6324		234.9305	0017009	98.6357	261.6549 16.24608350	28
1	13425U	82 80	A	82231.89313599	-.00008308	57257-4	00000 0 0	10
2	13425	51.5743		234.3991	0118649	154.3429	206.3542 16.22214388	09
1	13425U	82 80	A	82232.13892582	-.00008247	57036-4	00000 0 0	41
2	13425	51.6183		233.2527	0083332	243.7133	104.7303 16.16110040	61
1	13425U	82 80	A	82232.20251421	-.00000726	00000-0	00000 0 0	51
2	13425	51.6291		232.9245	0038335	183.1940	171.3506 16.07762952	71
1	13425U	82 80	A	82232.26572419	.00358365	71784-4	38240-3 0	66
2	13425	51.6295		232.5905	0038456	183.9924	176.1131 15.07873352	80
1	13425U	82 80	A	82232.70073004	.00366287	75121-4	38240-3 0	79
2	13425	51.6259		230.2303	0039222	154.8407	175.1258 15.08132042	150

1	134250	82.80	A	82233.32206104	.00137564	00000-0	38240-3 0	86
2	13425	51.6297		226.9478	0007368	296.5326	31.2403 15.92918692	252

1	134250	82.80	A	82234.23868620	.00121747	20000-0	33555-3 0	99
2	13425	51.6239		221.9439	0007017	295.0722	34.6519 15.93032743	472

82-81A

Kosmos 1401

1	13427U	82 81	A	82232.46426311	.00000089	00000-0	00000 0 0	10
2	13427	82.3368		142.3526 0037280	95.1658	265.3877	16.12991638	00
1	13427U	82 81	A	82232.77446628	.00000087	00000-0	00000 0 0	26
2	13427	82.3416		141.9893 0037646	90.9804	269.6940	16.13075996	52
1	13427U	82 81	A	82234.20673302	.00069213	12449-6	11167-3 0	47
2	13427	82.3372		140.3340 0009061	323.6467	36.3456	16.03060253	260
1	13427U	82 81	A	82235.20414633	.00066454	00000-0	00762-4 0	61
2	13427	82.3353		139.0354 0008533	314.9677	45.0722	16.03257905	605
1	13427U	82 81	A	82237.14034770	.00055851	00000-0	09270-4 0	73
2	13427	82.3364		136.9589 0009430	310.1225	49.9205	16.03359160	755
1	13427U	82 81	A	82238.13589996	.00049618	00000-0	79911-4 0	81
2	13427	82.3362		135.8121 0008631	304.3722	55.6619	16.03458563	916
1	13427U	82 81	A	82238.13889996	.00049618	00000-0	79911-4 0	92
2	13427	82.3362		135.8121 0008631	304.3722	55.6619	16.03458563	916

1 13427U 82 81 A 82239.32460507 .00056143 00000-0 88454-4 0 103
2 13427 82.3356 134.4472 0008638 298.4250 61.6849 16.03597536 1107

1 13427U 82 81 A 82240.19819875 .00067202 11614-5 10598-3 0 116
2 13427 82.3328 133.4425 0009071 293.7603 66.2898 16.03707848 1255

1 13427U 82 81 A 82241.19652213 .00057350 00000-0 89203-4 0 124
2 13427 82.3333 132.2935 0008704 287.0957 72.3480 16.03808675 1412

1 13427U 82 81 A 82241.44611171 .00047575 00000-0 89203-4 0 139
2 13427 82.3410 132.0049 0019371 335.3982 24.6461 16.00339153 1454

1 13427U 82 81 A 82242.19644304 .00047758 00000-0 89203-4 0 140
2 13427 82.3372 131.1478 0018409 332.7706 27.3127 16.00441292 1572

1 13427U 82 81 A 82244.19708870 .00069468 13136-5 12890-3 0 151
2 13427 82.3381 129.8585 0018047 323.2783 36.7213 16.00696043 1893

1 13427U 82 81 A 82245.19731941 .00065277 10579-5 12034-3 0 170
2 13427 82.3370 127.7111 0017935 319.5495 40.4931 16.00795528 2055

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Telesat 5 (Anik D1)

1	13431U	82 82	A	82239.20984553	.00031184	19126-4	19999-2 0	16
2	13431	24.2494	140.0469	7336096	178.2079	184.5581	2.24402768	19
1	13431U	82 82	A	82240.54491531	.00024667	19446-4	16744-2 0	33
2	13431	24.1742	139.2660	7335968	179.3694	182.9654	2.24365283	49
1	13431U	82 82	A	82241.44975218	-.00000036	00000-0	00000 0 0	45
2	13431	22.7682	139.4068	7208243	179.4069	182.3603	2.22039994	68
1	13431U	82 82	A	82241.53340933	-.00000043	00000-0	00000 0 0	54
2	13431	0.3005	139.9289	0667910	186.4334	30.4480	1.08244257	68
1	13436U	82 82	B	82240.91438891	.00668970	13175-3	13186-2 0	19
2	13436	25.9582	117.9588	0190062	78.5554	283.6290	15.74040365	312
1	13431U	82 82	A	82245.34102169	-.00000065	00000-0	00000 0 0	69
2	13431	0.1693	314.4160	0036052	288.3726	116.8491	1.00246459	61
1	13431U	82 82	A	82274.26348645	-.00000069	00000-0	00000 0 0	293
2	13431	0.0018	254.5045	0001674	255.9143	196.6052	1.20270520	353

82-83A

Molviya 3U

1	13432U	82 83	A	82239.05302223	-.00000054	00000-0	00000 0 0	13
2	13432	62.8355	285.1823	7472641	280.1187	10.6512	1.95479403	08
1	13432U	82 83	A	82240.07605378	.00000069	00000-0	00000 0 0	69
2	13432	62.8675	285.0730	7472600	280.1034	10.6836	1.95503970	23
1	13433U	82 83	B	82239.11538800	-.00000601	00000-0	00000 0 0	16
2	13433	62.8560	285.0081	0173741	130.4785	231.1776	15.82231715	11
1	13434U	82 83	C	82239.30589548	-.00005399	37396-4	00000 0 0	25
2	13434	62.8527	294.2112	0211486	119.6003	242.6117	15.78255622	49

82-84A

Kosmos 1402

1	13441U	82 84	A	82242.47657358	-.000000394	00000-0	00000 0 0	29
2	13441	65.0125	164.6534	0018164	241.3482	119.5864	16.06823187	02
1	13441U	82 84	A	82242.53881332	-.000000392	00000-0	00000 0 0	35
2	13441	65.0143	164.4298	0018226	239.9229	119.9920	16.06711573	12
1	13441U	82 84	A	82242.78779330	-.000000369	00000-0	00000 0 0	42
2	13441	65.0067	163.5129	0009243	269.8346	89.8308	16.06154556	52
1	13441U	82 84	A	82242.78785338	-.000000392	00000-0	00000-0 0 00044	
2	13441	65.0229	163.5145	0010309	266.4973	93.4967	16.06144506	50
1	13441U	82 84	A	82242.78779330	-.000000369	00000-0	00000 0 0	64
2	13441	65.0067	163.5129	0009243	269.8346	89.8308	16.06154556	52
1	13441U	82 84	A	82243.09918118	-.000000370	00000-0	00000 0 0	71
2	13441	65.0110	162.3737	0010079	271.6902	88.4104	16.06257924	108
1	13441U	82 84	A	82243.22368732	.00104055	95018-5	13989-3 0	95
2	13441	65.0123	161.9175	0010087	269.9962	90.0207	16.06303255	123
1	13441U	82 84	A	82243.84625772	-.00233544	00000-0	-32746-3 0	95
2	13441	65.0132	159.6368	0010074	269.7207	89.9851	16.06043302	222

1	13441U	82 84	A	82244.21995317	.00162582	16458-4	21824-3 0	109
2	13441	65.0143		158.2574	0010311	272.8197	87.4629 16.06224967	288
1	13441U	82 84	A	82244.34442837	.00000914	00000-0	17040-5 0	116
2	13441	65.0126		157.8146	0010810	272.6993	87.2753 16.06192771	306
1	13441U	82 84	A	82245.02933691	.00061011	00000-0	80155-4 0	126
2	13441	65.0137		155.3034	0010749	273.1506	86.9720 16.06287445	424
1	13441U	82 84	A	82245.27835419	.00084417	77303-5	11345-3 0	133
2	13441	65.0137		154.3904	0010776	273.2355	86.7941 16.06351359	465
1	13441U	82 84	A	82246.27442265	.00085188	79963-5	11345-3 0	143
2	13441	65.0136		150.7420	0011114	274.8888	84.9976 16.06493111	621
1	13441U	82 84	A	82246.83469619	.00466826	11084-3	62594-3 0	150
2	13441	65.0099		148.6980	0009604	271.7317	87.8087 16.06184925	725
1	13441U	82 84	A	82247.27062011	.00110923	10045-4	14929-3 0	176
2	13441	65.0117		147.0920	0009837	269.2497	90.7772 16.06271152	782
1	13441U	82 84	A	82247.27062011	.00110923	10045-4	14929-3 0	187
2	13441	65.0117		147.0920	0009837	269.2497	90.7772 16.06271152	782
1	13441U	82 84	A	82248.20447136	.00079282	74738-5	10656-3 0	197
2	13441	65.0128		143.6688	0009846	268.5823	91.2297 16.06397701	936
1	13441U	82 84	A	82248.95155088	.00078293	72727-5	10656-3 0	204
2	13441	65.0124		140.9264	0009128	265.7620	93.8011 16.06207779	1050

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1	13441U	82 84	A	82248.95152366	.00078435	71987-5	10556-3 0	213
2	13441	65.0147	140.9311	0009207	265.5139	94.5046	16.05233577	1050
1	13441U	82 84	A	82249.26293556	-.00003792	00000-0	-45253-5 0	222
2	13441	65.0166	139.7915	0010054	264.2338	95.3566	16.05307114	1102
1	13441U	82 84	A	82249.63647907	.00162412	16521-4	21600-3 0	237
2	13441	65.0107	138.4219	0009530	266.6471	93.3223	16.06392577	1167
1	13441U	82 84	A	82250.32127514	.00123695	11532-4	16353-3 0	261
2	13441	65.0118	135.9102	0009238	261.4332	98.5733	16.06548197	1272
1	13441U	82 84	A	82250.94390092	.00138586	13034-4	18695-3 0	289
2	13441	65.0112	133.6292	0010461	269.8128	90.2036	16.06167542	1373
1	13441U	82 84	A	82251.19295267	.00163507	16589-4	21900-3 0	298
2	13441	65.0095	132.7171	0010766	274.2133	85.7789	16.06248730	1411
1	13441U	82 84	A	82252.06454188	-.00076324	00000-0	-10175-3 0	307
2	13441	65.0113	129.5262	0010951	272.3104	87.2455	16.06294624	1555
1	13441U	82 84	A	82252.25139951	.00061047	00000-0	79985-4 0	315
2	13441	65.0095	128.8376	0010852	273.3002	86.7311	16.06348084	1588
1	13441U	82 84	A	82251.19295267	.00163507	16589-4	21900-3 0	298
2	13441	65.0095	132.7171	0010766	274.2133	85.7789	16.06248730	1411

1	13441U	82 84	A	82253.13523154	.00073426	00000-0	94980-4 0	330
2	13441	65.0104		125.4138 0010667	273.5763	96.3480	16.06484002	1735

13441U	82 84	A	82253.74555360	.00071986	00000-0	94980-4 0	340
13441	65.0079		123.3570 0010739	271.7919	98.1949	16.06169970	1923

1	13441U	82 84	A	82254.30592642	.00084263	78607-5	11381-3 0	351
2	13441	65.0098		121.3115 0010132	266.7530	93.3290	16.06201472	1917

1	13441U	82 84	A	82254.61720903	.00084351	77815-5	11391-3 0	363
2	13441	65.0205		120.1798 0011896	270.4653	89.4879	16.06263978	1961

1	13441U	82 84	A	82255.98692008	.00081276	75780-5	10975-3 0	393
2	13441	65.0064		115.1625 0011358	257.3841	102.1646	16.06276043	2182

1	13441U	82 84	A	82257.23202677	.00076727	00000-0	99300-4 0	409
2	13441	65.0086		119.5826 0010387	271.8295	88.0662	15.06468323	2395

1	13441U	82 84	A	82257.91691031	.00075817	00000-0	99300-4 0	419
2	13441	65.0116		108.0784 0010570	264.5233	94.3901	16.06275917	2490

1	13441U	82 84	A	82258.22821126	.00033634	00000-0	44543-4 0	433
2	13441	65.0089		106.9387 0009997	268.3485	91.6294	15.06301446	2540

1	13441U	82 84	A	82259.22435348	.00069483	00000-0	90275-4 0	440
2	13441	65.0102		103.2883 0009955	266.2149	93.9359	15.06445409	2708

1	13441U	82 84	A	82259.90910570	.00068853	00000-0	90275-4 0	451
2	13441	65.0119		100.7780 0009956	262.4856	97.0257	16.06301934	2817

1	13441U	82 84	A	82261.71460190	.00072132	00000-0	95173-4 0	481
2	13441	65.0106		94.1584 0009310	263.6778	95.9578	16.06197513	3102

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1	13441U	82 84	A	82262.21276747	.00092297	83258-5	12447-3 0	498
2	13441	65.0080		92.3299 0008767	260.7746	99.3112	16.06311920	3134
1	13441U	82 84	A	82263.27110163	.00075774	71094-5	10160-3 0	502
2	13441	65.0093		98.4540 0008941	261.4224	98.4628	16.06464907	3350
1	13441U	82 84	A	82264.26734968	.00094305	84446-5	12711-3 0	529
2	13441	65.0092		94.3058 0010162	264.3630	95.6926	16.06280942	3513
1	13441U	82 84	A	82265.20119876	.00104724	95596-5	13952-3 0	532
2	13441	65.0101		81.3309 0010036	264.6215	95.3056	16.06447694	3662
1	13441U	82 84	A	82267.19349924	.00071553	00000-0	93033-4 0	563
2	13441	65.0120		74.0837 0009018	266.3832	93.0558	16.06442762	3999
1	13441U	82 84	A	82265.76157319	.00277867	40171-4	37086-3 0	540
2	13441	65.0107		79.3283 0008847	267.5871	92.4492	16.06285251	3750
1	13441U	82 84	A	82268.31419258	.00113573	10359-4	15172-3 0	592
2	13441	65.0096		69.9739 0009616	266.3882	93.6756	16.06390640	4165
1	13441U	82 84	A	82277.27947887	.00127494	11852-4	17030-3 0	772
2	13441	65.0078		37.1150 0010444	270.0001	90.1124	16.06345915	5609
1	13441U	82 84	A	82308.40879927	.00117686	10916-4	15514-3 0	1217
2	13441	65.0051		283.0243 0011544	279.1225	80.4384	16.06552111	10609

1 13441U 82 84 A 82311.27294535 .00145166 13996-4 19473-3 0 1267
2 13441 65.0019 277.5302 0009430 264.7140 95.3073 16.06258580 11062

1 13441U 82 84 A 82344.25991895 .00109654 99704-5 14637-3 0 1901
2 13441 65.0000 151.5676 0009282 262.8074 97.1305 16.06419418 16368

1 13441U 82 84 A 82355.28955073 .00110352 10105-4 14704-3 0 2105
2 13441 64.9991 111.1667 0010048 277.8063 82.0204 16.06431666 18130

1 13441U 82 84 A 82362.32487570 -.00739001 00000-0 -11346-2 0 2265
2 13441 64.9948 85.3634 0009784 271.1506 89.0242 16.06224012 19261

1 13441U 82 84 A 82363.13411654 .00249018 33238-4 32278-3 0 2278
2 13441 65.0004 82.4062 0010749 273.3284 86.1626 16.06722151 19399

1 13441U 82 84 A 82360.27021534 .00081361 75591-5 10933-3 0 2228
2 13441 64.9966 92.9027 0009860 264.7695 94.8910 16.06389302 18935

1 13441U 82 84 A 82361.26632875 .00067257 00000-0 37116-4 0 2238
2 13441 64.9982 89.2524 0009794 263.9892 95.9010 16.06507767 19099

1 13441U 82 84 A 82361.32860042 .00065846 00000-0 37116-4 0 2247
2 13441 64.9911 89.0130 0010586 274.7270 85.0097 16.06154785 19103

1 13441U 82 84 A 82361.95129505 .00036303 00000-0 48181-4 0 2253
2 13441 64.9989 85.7421 0010724 276.9970 83.0479 16.06267662 19207

1 13441U 82 84 A 82364.00540787 .00257986 35722-4 32481-3 0 2319
2 13441 64.9983 79.2114 0010970 275.3837 84.6236 16.07177734 19530

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forts. 3

1	13441U	82 84	A	82364.12985452	.00257000	35591-4	32240-3 0	2328
2	13441	65.0008		78.7515 0010712	276.6020	83.3903	16.07243093	19552
1	13441U	82 84	A	82364.37874021	.00266928	37867-4	33059-3 0	2339
2	13441	65.0006		77.8393 0010755	273.8454	86.1506	16.07377102	19595
1	13441U	82 84	A	82364.87643545	.00280750	42002-4	34247-3 0	2350
2	13441	64.9993		76.0160 0011111	270.0973	89.9025	16.07658436	19670
1	13441U	82 84	A	82365.00084659	.00297993	47097-4	36163-3 0	2369
2	13441	64.9989		75.5508 0010850	275.5328	83.4581	16.07754084	19693
1	13441U	82 84	A	82365.00084716	.00298169	47095-4	36183-3 0	2378
2	13441	64.9993		75.5508 0010846	276.6052	83.3984	16.07754254	19690
1	13441U	82 84	A	82365.31185056	.00291075	42208-4	33755-3 0	2383
2	13441	64.9989		74.4090 0010852	277.2147	82.7793	16.07919859	19741
1	13441U	82 84	A	82365.99592292	.00319668	54101-4	37323-3 0	2404
2	13441	64.9972		71.6953 0010713	278.1869	81.8064	16.08357235	19853
1	13441U	82 84	A	83 1.24463739	.00260886	37410-4	30288-3 0	2418
2	13441	64.9968		70.9831 0010918	276.2619	83.7207	16.08455674	19897

1 13441U 82 84 A 83 2.36355929 .00091922 91239-5 10332-3 0 2455
2 13441 64.9971 66.8593 0010222 278.4263 81.6135 16.09169889 20077

1 13441U 82 84 A 83 2.61214473 .00279876 42831-4 30631-3 0 2467
2 13441 64.9979 65.9430 0010352 279.6346 80.4226 16.09323677 20116

1 13441U 82 84 A 83 2.98496545 .00305395 50731-4 33035-3 0 2498
2 13441 64.9975 64.5731 0010296 279.6424 80.3506 16.09553215 20172

1 13441U 82 84 A 83 3.29562078 .00291868 46987-4 31227-3 0 2509
2 13441 64.9965 63.4277 0010237 282.2379 77.7567 16.09727486 20224

1 13441U 82 84 A 83 3.66834984 .00323300 56946-4 33963-3 0 2523
2 13441 64.9979 62.0551 0010219 280.2847 79.7084 16.09991032 20280

1 13441U 82 84 A 83 4.47573567 .00337065 62301-4 34166-3 0 2533
2 13441 64.9968 59.0779 0009988 279.7917 80.2261 16.10537906 20414

1 13441U 82 84 A 83 4.66201351 .00362672 71954-4 36419-3 0 2549
2 13441 64.9963 58.3898 0009871 282.1258 77.8767 16.10699107 20447

1 13441U 82 84 A 83 5.28284497 .00355104 69478-4 34715-3 0 2571
2 13441 64.9993 55.0937 0009807 290.7454 69.2675 16.11094114 20547

1 13441U 82 84 A 83 5.59319501 .00359277 71259-4 34548-3 0 2580
2 13441 64.9973 54.9536 0009972 277.5318 82.5252 16.11335568 20614

1 13441U 82 84 A 83 6.02760421 .00367913 75238-4 34648-3 0 2599
2 13441 64.9973 53.3489 0009649 280.6251 79.3869 16.11655372 20667

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forts. 4

1	13441U	82 84	A 83	6.02760421	.00367913	75238-4	34648-3 0	2601
2	13441	84.9973		53.3489 0009648	280.6251	79.3868	16.11655272	20667

1	13441U	82 84	A 83	6.02760421	.00367913	75238-4	34648-3 0	2612
2	13441	84.9973		53.3489 0009648	280.6251	79.3868	16.11655272	20667

1	13441U	82 84	A 83	6.02760421	.00367913	75238-4	34648-3 0	2623
2	13441	84.9973		53.3489 0009648	280.6251	79.3868	16.11655272	20667

1	13441U	82 84	A 83	6.02760421	.00367913	75238-4	34648-3 0	2634
2	13441	84.9973		53.3489 0009648	280.6251	79.3868	16.11655272	20667

1	13441U	82 84	A 83	6.27580324	.00344846	66523-4	32151-3 0	2648
2	13441	84.9949		52.4277 0009473	282.3579	77.6341	16.11810617	22701

1	13441U	82 84	A 83	6.52397635	.00377168	79465-4	34660-3 0	2657
2	13441	84.9988		51.5144 0009233	283.8658	76.1488	16.12027654	20747

1	13441U	82 84	A 83	7.33033555	.00385396	33909-4	33992-3 0	2673
2	13441	84.9970		49.5329 0009439	281.5474	79.4642	16.12626284	20873

1	13441U	82 84	A 83	8.63224110	.00425077	10330-3	34849-3 0	2699
2	13441	84.9985		43.7107 0009007	283.7762	76.2411	16.13695694	21081

1	13441U	82 84	A 83	9.25189788	.00426898	10536-3	33793-3 0	2708
2	13441	84.9901		41.4285 0008718	295.2777	64.7502	15.14205710	21184

1	13441U	82 84	A 83	9.25189774	.00427831	10587-3	33827-3 0	2716
2	13441	64.9959		41.4125 0009017	286.8443	73.2177	16.14215722	21185

1	13441U	82 84	A 83	9.56163195	.00469811	12833-3	36346-3 0	2730
2	13441	64.9961		40.2632 0008861	285.4123	74.6227	16.14529629	21236

1	13441U	82 84	A 83	10.05710339	.00471258	13016-3	35314-3 0	2741
2	13441	64.9966		38.4248 0008732	284.8096	75.2156	16.14993786	21317

1	13441U	82 84	A 83	10.36669673	.00468499	14074-3	35801-3 0	2762
2	13441	64.9967		37.2758 0008819	285.8858	74.1343	16.15295604	21361

1	13441U	82 84	A 83	10.55241873	.00756538	35689-3	54053-3 0	2791
2	13441	64.9954		36.5845 0008525	287.3661	72.7784	16.15692365	21390

1	13441U	82 84	A 83	10.86185585	.00953204	60307-3	66251-3 0	2801
2	13441	64.9904		35.4330 0009546	288.5132	71.5021	16.16104604	20904

1	13441U	82 84	A 83	10.98561543	.00695257	29951-3	47655-3 0	2816
2	13441	64.9982		34.9763 0008697	287.1492	72.8689	16.16252148	20927

1	13441U	82 84	A 83	11.10958827	.00422427	10714-3	29843-3 0	2828
2	13441	64.9928		34.5111 0008719	287.6263	73.6459	16.16283430	21480

1	13441U	82 84	A 83	12.59366988	.00493553	81291-5	30113-3 0	2903
2	13441	64.9936		28.9845 0008341	288.1413	71.9533	16.17790560	21723

1	13441U	82 84	A 83	13.27352735	.00498292	85065-5	28884-3 0	2916
2	13441	64.9920		26.4491 0009165	288.4355	71.6263	16.18480577	21833

1	13441U	82 84	A 83	13.53244922	.00572120	87953-5	32213-3 0	2929
2	13441	64.9933		25.2630 0007939	287.3968	72.3998	16.18863311	21884

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1	13441U	82 84	A	83	14.63226253	.00595712	94961-5	30608-3 0	2964
2	13441	64.9920			21.3663 0007994	288.4362	71.5912	16.20079986	22050

1	13441U	82 84	A	83	15.43451084	.00701263	10085-4	33075-3 0	2981
2	13441	64.9911			18.3627 0007560	288.5342	71.5654	16.21155171	22184

1	13441U	82 84	A	83	15.55787205	.00652519	10207-4	30460-3 0	3005
2	13441	64.9909			17.9033 0007593	289.3296	70.6853	15.21291144	22204

1	13441U	82 84	A	83	15.98959035	.00723501	10977-4	31894-3 0	3011
2	13441	64.9927			16.2363 0009261	300.5722	59.5751	16.21956076	22275

1	13441U	82 84	A	83	16.35946008	.00756571	10805-4	31894-3 0	3034
2	13441	64.9909			14.8919 0007723	283.9925	76.0940	16.22556754	22331

1	13441U	82 84	A	83	17.28355236	.00837843	12311-4	31114-3 0	3061
2	13441	64.9895			11.4136 0007327	283.8112	76.3209	16.24107856	22432

1	13441U	82 84	A	83	17.59140354	.00865271	12533-4	30726-3 0	3075
2	13441	64.9937			17.2597 0007337	285.1017	74.9444	16.24640594	22537

1	13441U	82 84	A	83	18.53722099	.00949214	35116-4	28399-3 0	3090
2	13441	64.9954			6.3145 0007442	284.5944	75.4412	15.23653437	22701

1	13441U	82 84	A	83	19.00600566	.01015727	35494-4	28280-3 0	3101
2	13441	64.9863			4.9194 0007477	293.6103	76.4177	16.27462016	22760

1 13441U 82 84 A 83 19.31319971 .01148411 35413-4 29935-3 0 3119
2 13441 64.9847 3.7565 0007471 282.2829 77.8118 16.28198563 22815

1 13441U 82 84 A 83 19.62023758 .01102770 35818-4 27088-3 0 3123
2 13441 64.9866 2.5920 0007201 285.2288 74.7668 16.23849109 22861

1 13441U 82 84 A 83 20.04990114 .01123615 35602-4 25147-3 0 3137
2 13441 64.9876 0.9661 0007116 281.2082 78.8680 16.29852120 22930

1 13441U 82 84 A 83 20.35660356 .01378498 35797-4 28300-3 0 3144
2 13441 64.9855 359.7995 0006661 277.9357 82.1153 16.30765102 22981

1 13441U 82 84 A 83 20.41792478 .01330059 36050-4 26988-3 0 3156
2 13441 64.9849 359.5622 0007097 285.8584 74.1773 16.30916865 22996

1 13441U 82 84 A 83 20.90829049 .01338236 35865-4 23919-3 0 3165
2 13441 64.9807 357.7007 0006266 279.6230 80.4426 16.32241213 23078

1 13441U 82 84 A 83 21.03081424 .01407148 35668-4 24005-3 0 3175
2 13441 64.9871 357.2322 0007156 272.2963 87.7969 16.32643937 23098

1 13441U 82 84 A 83 21.33699492 .01673362 35764-4 25524-3 0 3193
2 13441 64.9838 356.0666 0007262 274.8455 85.3277 16.33739098 23143

1 13441U 82 84 A 83 21.76528321 .01994405 36211-4 25915-3 0 3204
2 13441 64.9889 354.4405 0007170 264.0779 96.0100 16.35305020 23213

1 13441U 82 84 A 83 21.94870060 .01937686 35768-4 23256-3 0 3216
2 13441 64.9867 353.7391 0006894 268.9642 91.0613 16.36014616 23245

1 13441U 82 84 A 83 16.85242645 .00785854 11529-4 31114-3 0 3052
2 13441 64.9891 13.0405 0007524 235.9901 74.0530 16.23330440 22411

82-84A

Kosmos 1402

for ts. 6

1	13441U	82 84	A 83	22.31529294	.02353327	36518-4	23291-3 0	3227
2	13441	64.9792	352.3213	0007144	275.6595	84.4166	16.37737436	23300

1	13441U	82 84	A 83	22.62047269	.02506550	36275-4	20743-3 0	3238
2	13441	64.9798	351.1496	0007133	276.2388	83.7826	16.39291024	23359

1	13441U	82 84	A 83	22.80343763	.03067031	37191-4	21889-3 0	3242
2	13441	64.9799	350.4484	0006759	265.4126	84.7700	16.40509633	23380

1	13441U	82 84	A 83	23.10802385	.03354765	36421-4	15979-3 0	3269
2	13441	64.9792	349.2703	0006810	271.8722	88.1789	16.42611645	23433

1	13441U	82 84	A 83	23.29056241	.05084135	37126-4	15842-3 0	3277
2	13441	64.9745	348.5653	0006849	277.3809	82.5992	16.44504116	23460

1	13441U	82 84	A 83	23.29056240	.05694003	37049-4	17741-3 0	3282
2	13441	64.9745	348.5653	0006849	277.3809	82.5992	16.44503976	23463

1	13441U	82 84	A 83	23.47298132	.05625102	37215-4	11632-3 0	3292
2	13441	64.9731	347.8559	0006773	277.5111	82.5157	16.46551186	23492

1	13441U	82 84	A 83	23.47298132	.05625102	37215-4	11632-3 0	3292
2	13441	64.9731	347.8559	0006773	277.5111	82.5157	16.46551186	23492

1	13441U	82	84	A	83	23.59430941	.07598125	37633-4	11038-3	0	3304
2	13441	64.9721	347.3833	0007075	273.9478	86.2220	16.48455036	23517			

1	13441U	82	84	A	83	23.65495028	.05702971	37495-4	34888-4	0	3314
2	13441	64.9761	347.1451	0007641	278.3722	81.7336	16.49206459	23529			

1	13441U	82	84	A	83	23.77610484	.10509574	37532-4	82643-4	0	3332
2	13441	64.9721	346.6755	0006409	273.1695	87.0144	16.52307701	23542			

1	13441U	82	84	A	83	23.77608164	.10510306	37957-4	82653-4	0	3341
2	13441	64.9721	346.6756	0006410	273.1755	86.8704	16.52307301	23547			

1	13441U	82	84	A	83	23.83658465	.13697699	37500-4	79533-4	0	3359
2	13441	64.9820	346.4398	0007365	252.6962	107.5073	16.54451017	23555			

1	13441U	82	84	A	83	23.89697488	.39920981	38196-4	12740-3	0	3364
2	13441	64.9690	346.2051	0003261	255.5792	104.3909	16.59108930	23569			

1	13441U	82	84	A	83	23.71556330	.07193820	37328-4	75135-4	0	3324
2	13441	64.9741	346.9059	0007657	271.2223	89.0444	16.50381917	23539			

82-84B

1	13747U	82	84	B	92363.50312201	.06059474	79815-5	39983-2 0	87
2	13747	64.9938	81.0183	0010420	282.0566	77.3511	16.16960502	19454	
1	13747U	82	84	B	92364.24333073	.09025596	35552-4	26511-2 0	115
2	13747	64.9886	79.2415	0007597	277.9164	82.1598	16.26804641	19579	
1	13747U	82	84	B	92364.36619989	.12654383	36107-4	28687-2 0	129
2	13747	64.9902	77.7742	0007095	281.4204	78.7069	16.29671420	19599	
1	13747U	82	84	B	92364.61111337	.29635409	36748-4	28108-2 0	137
2	13747	64.9863	76.8507	0007091	283.8109	76.2318	16.37793528	19638	
1	13747U	82	84	B	92364.67211053	.33265872	36761-4	18072-2 0	143
2	13747	64.9856	76.6141	0007465	289.2316	70.8720	16.41969120	19642	

82-84 B, C

1	13747U	82 84	B	82362.32438817	.00368518	73334-4	37802-3 0	52
2	13747	64.9974		35.3718 0006364	73.5685	297.7139	16.10433753	19267

1	13747U	82 84	B	82362.57314419	-.87366300	06593-0	12875-1 0	47
2	13747	65.0002		84.4669 0018460	332.3419	27.0835	16.10274267	19302

1	13747U	82 84	B	82363.31749410	.00531987	16233-3	37802-3 0	54
2	13747	64.9965		31.7063 0011572	280.5375	79.4496	16.15655297	19425

1	13747U	82 84	B	82363.37940635	.00142172	84494-1	41935-2 0	75
2	13747	64.9977		81.4760 0009754	234.6446	75.4093	16.15872101	19438

1	13748U	82 84	C	82362.32487670	.00333296	60794-4	34194-3 0	05
2	13748	64.9958		85.3512 0007234	72.4490	291.5707	16.10420949	19263

1	13748U	82 84	C	82362.57196942	.02484806	10862-1	32829-2 0	53
2	13748	64.9999		34.4606 0011098	271.8515	80.9791	16.09866193	19302

1 13743U 82 34 C 82362.63477439 .14659188 92720-5 75202-2 0 41
2 13743 64.9915 84.2001 0006579 0.0326 6.1370 16.20053219 19312

1 13748U 82 34 C 82362.63531921 .44073210 34716-4 11520-1 0 61
2 13748 65.0012 84.2196 0054461 253.3992 109.3957 16.23823824 19313

82-84C

Kormos 1402 "reactor core"

1	13748U	82	84	C	82363.50312201	.00388594	92579-4	33697-3	0	79
2	13748	65.0032	31.0262	0007458	69.5343	285.7264	16.10863289	19451		
1	13748U	82	84	C	82364.50759390	.00169473	19581-4	16540-3	0	111
2	13748	64.9997	76.2109	0006863	62.4259	297.7518	16.11252106	19662		
1	13748U	82	84	C	82365.42824572	.00144210	15776-4	13934-3	0	135
2	13748	64.9988	73.9149	0006893	58.1868	302.0030	16.11431710	19760		
1	13748U	82	84	C	82365.99578017	.00132909	14708-4	12600-3	2	153
2	13748	64.9977	71.3825	0011785	42.7116	317.5281	16.11617966	19855		
1	13748U	82	84	C	83 1.42112094	.00165837	19195-4	15520-3	0	166
2	13748	64.9977	70.2480	0007475	55.1829	305.0047	16.11776963	19928		
1	13748U	82	84	C	83 2.41380190	.00164576	19102-4	15196-3	0	198
2	13748	64.9955	66.5771	0006767	54.3823	305.8004	16.12084461	20089		
1	13748U	82	84	C	83 2.66193889	.00189882	23794-4	17375-3	0	205
2	13748	64.9963	65.6586	0006926	53.0495	307.1401	16.12195067	20127		
1	13748U	82	84	C	83 2.84803701	.00159770	18575-4	14611-3	0	210
2	13748	65.0002	64.9751	0007235	55.3665	304.9176	16.12227711	20155		
1	13748U	82	84	C	83 2.97209507	.00125022	13622-4	11450-3	0	229
2	13748	65.0003	64.5119	0007010	51.2705	308.8900	16.12245031	20177		

1 13748U 82 84 C 83 3.28223703 .00138993 15494-4 12633-3 0 243
2 13748 64.9983 63.3532 0007116 50.5841 309.5867 16.12346015 20229

1 13748U 82 84 C 83 3.65437822 .00159767 18642-4 14363-3 0 267
2 13748 64.9981 61.9877 0006931 54.3457 305.8393 16.12484283 20289

1 13748U 82 84 C 83 4.46259580 .00160092 18860-4 14121-3 0 287
2 13748 64.9871 59.0201 0008313 53.7410 306.4575 16.12739305 20416

1 13748U 82 84 C 83 4.64660757 .00121673 13470-4 10742-3 0 291
2 13748 64.9974 58.3263 0007212 45.8094 314.3567 16.12803822 20445

1 13748U 82 84 C 83 5.57662379 .00176388 21950-4 15119-3 0 317
2 13748 64.9982 54.8746 0007068 50.8302 309.3503 16.13167213 20596

1 13748U 82 84 C 83 6.21056508 .00179000 22328-4 15167-3 0 326
2 13748 64.9975 53.2696 0007158 48.5602 311.3232 16.13327426 20669

1 13748U 82 84 C 83 6.63040425 .00185371 23733-4 15446-3 0 335
2 13748 64.9972 50.9711 0007315 47.9596 312.2197 16.13564121 20760

1 13748U 82 84 C 83 8.61327749 .00208862 29203-4 16449-3 0 357
2 13748 64.9971 43.6211 0007373 46.5501 313.6286 16.14359518 21082

1 13748U 82 84 C 83 9.60433544 .00244158 37992-4 18591-3 0 361
2 13748 64.9974 39.9438 0007487 46.5987 313.6155 16.14818526 21240

1 13748U 82 84 C 83 10.78081842 .00341991 70451-4 24754-3 0 393
2 13748 64.9983 35.5750 0007025 47.0552 313.2203 16.15515703 21434

1 13748U 82 84 C 83 12.57553288 .00248794 40722-4 16932-3 0 451
2 13748 64.9976 29.9046 0006997 41.9313 318.1432 16.16399901 21721

82-84C

Kosmos 1402 "reactor core" forts. 1

1	13748U	82 84	C 33	13.56533013	.00253965	43976-4	17007-3 0	464
2	13748	64.9969		25.2197 0006731	39.1997	323.3914	16.16886073	21990
1	13748U	82 84	C 83	14.67850297	.00266460	46778-4	16790-3 0	497
2	13748	64.9962		21.0732 0006875	37.7467	322.4289	16.17449557	22065
1	13748U	82 84	C 83	15.50592727	.00260746	81914-5	15837-3 0	517
2	13748	64.9944		17.6178 0007339	35.3641	324.7933	16.17931862	22217
1	13748U	82 84	C 83	16.53296394	.00278067	34286-5	16227-3 0	539
2	13748	64.9940		14.1587 0007750	37.7384	322.4338	16.18452080	22367
1	13748U	82 84	C 83	16.55644288	.00283981	83701-5	16474-3 0	549
2	13748	64.9958		13.6934 0007034	35.2706	324.9336	16.19542716	22385
1	13748U	82 84	C 83	17.58312495	.00278673	83286-5	15553-3 0	567
2	13748	64.9953		13.2348 0007037	34.3055	325.3511	16.19059145	22534
1	13748U	82 84	C 83	18.75650576	.00291363	90487-5	15445-3 0	592
2	13748	64.9925		5.3544 0007342	30.4822	329.6785	16.19723926	22729
1	13748U	82 84	C 83	19.31215132	.00283575	90585-5	14709-3 0	600
2	13748	64.9933		3.7708 0006595	29.4330	330.7031	16.20023545	22819
1	13748U	82 84	C 83	19.74425328	.00274068	94158-5	13972-3 0	615
2	13748	64.9920		2.1557 0006648	28.5234	331.6309	16.20253212	22882
1	13748U	82 84	C 83	20.36142518	.00305357	96028-5	15118-3 0	621
2	13748	64.9945		359.8439 0006486	28.2044	331.9356	16.20620903	22987

1	13748U	82	84	C	83	21.04017014	.00277139	97587-5	13388-3	0	643
2	13748	64.9917	357.3044	0006504			28.9203	331.2330	16.20965165		23096

1	13748U	82	84	C	83	21.34863294	.00286788	98563-5	13530-3	0	653
2	13748	64.9920	355.1475	0006281			27.2271	332.9240	16.21154059		23141

1	13748U	82	84	C	83	21.59538346	.00271537	97778-5	12830-3	0	662
2	13748	65.0006	355.2526	0003935			44.2811	315.8639	16.21269425		23187

1	13748U	82	84	C	83	22.27382605	.00293124	10275-4	13349-3	0	693
2	13748	64.9922	352.6791	0006238			27.6359	332.5276	16.21694264		23296

1	13748U	82	84	C	83	22.82879602	.00294936	10317-4	13078-3	0	693
2	13748	64.9901	350.5968	0006116			24.4898	335.7425	16.22029904		23381

1	13748U	82	84	C	83	23.32198803	.00317985	10430-4	13752-3	0	712
2	13748	64.9918	348.7450	0005599			27.9116	332.2373	16.22343325		23466

1	13748U	82	84	C	83	23.56855379	.00291043	10757-4	12436-3	0	723
2	13748	64.9907	347.8138	0006115			26.0668	334.0946	16.22495207		23507

1	13748U	82	84	C	83	24.24548252	.00313040	11036-4	12907-3	0	736
2	13748	64.9911	345.2747	0005893			27.2836	332.3680	16.22932555		23613

1	13748U	82	84	C	83	24.55456454	.00364161	11362-4	14685-3	0	750
2	13748	64.9895	344.1151	0005582			25.6804	334.6951	16.23196059		23669

1	13748U	82	84	C	83	25.17058376	.00415980	11899-4	16090-3	0	763
2	13748	64.9911	341.7990	0006256			23.6553	336.5793	16.23699200		23761

82-84C Kosmos 1402 "reactor core" fonts. 2

1	13748U	82 84	C 83	25.97113209	.00401483	11911-4	14745-3 0	784
2	13748	64.9980	338.7723	0004949	23.5469	336.5955	16.24330143	23993
1	13748U	82 84	C 83	26.52517119	.00248655	00000-0	37902-4 0	305
2	13748	64.9981	336.6982	0005241	20.4322	339.6958	16.24737067	23931
1	13748U	82 84	C 83	27.01752402	.00399549	12396-4	13655-3 0	321
2	13748	64.9999	334.8438	0005371	18.9490	341.2294	16.25191235	24067
1	13748U	82 84	C 83	27.26365072	.00431796	13126-4	14467-3 0	932
2	13748	64.9927	333.9148	0005028	19.8720	340.2724	16.25414443	24106
1	13748U	82 84	C 83	28.06335079	.00442990	35473-4	14040-3 0	361
2	13748	64.9891	330.9006	0006006	22.0095	338.1295	16.26093391	24235
1	13748U	82 84	C 83	28.13635153	.00411497	35301-4	12970-3 0	367
2	13748	64.9897	330.4373	0005448	19.6515	340.4886	16.26178576	24264
1	13748U	82 84	C 83	28.30934513	.00413145	35514-4	12399-3 0	374
2	13748	64.9910	329.9719	0005553	21.5939	338.5561	16.26294421	24272
1	13748U	82 84	C 83	28.49382055	.00425005	35338-4	13079-3 0	989
2	13748	64.9897	329.2753	0005134	17.8222	342.3296	16.26453939	24306
1	13748U	82 84	C 83	29.29300303	.00429599	35294-4	12434-3 0	919
2	13748	64.9906	326.2560	0005164	21.8419	339.3259	16.27151559	24431

1 13748U 82 84 C 83 29.53982631 .00439463 35313-4 12489-3 0 920
2 13748 64.9895 325.3267 0004514 10.6789 349.5174 16.27434042 24479

1 13748U 82 84 C 83 29.90747640 .00489872 35713-4 13366-3 0 932
2 13748 64.9890 323.9337 0004432 9.3005 350.3245 16.27808899 24533

1 13748U 82 84 C 83 30.21462968 .00540091 35556-4 14269-3 0 945
2 13748 64.9909 322.7697 0003811 11.0016 349.1475 16.28164851 24584

1 13748U 82 84 C 83 30.27504812 .00541017 35277-4 14138-3 0 957
2 13748 64.9891 322.5372 0003944 4.7271 355.4113 16.28244075 24593

1 13748U 82 84 C 83 30.46029724 .00477565 35878-4 12332-3 0 964
2 13748 64.9887 321.8395 0004573 8.5844 351.5275 16.28420731 24622

1 13748U 82 84 C 83 31.19707495 .00541634 35972-4 12945-3 0 989
2 13748 64.9894 319.0493 0004290 .4531 351.6712 16.29255990 24741

1 13748U 82 84 C 83 31.31983619 .00549091 35530-4 12945-3 0 993
2 13748 64.9891 318.5929 0004867 16.5365 343.5977 16.29392188 24765

1 13748U 82 84 C 83 31.44258585 .00547626 35651-4 12740-3 0 1005
2 13748 64.9883 318.1194 0004816 9.4998 350.6469 16.29536339 24789

1 13748U 82 84 C 83 31.93344275 .00607839 35658-4 13311-3 0 1029
2 13748 64.9886 316.2555 0004022 356.4502 3.6657 16.30194675 24865

1 13748U 82 84 C 83 32.36279592 .00622346 35874-4 12907-3 0 1037
2 13748 64.9879 314.6263 0004687 6.1172 354.0096 16.30746482 24933

1 13748U 82 84 C 83 32.48543408 .00633517 35911-4 12910-3 0 1050
2 13748 64.9877 314.1603 0004258 2.8894 357.2282 16.30935045 24959

82-84C Kosmos 1402 "reactor core" fonts.3

1	13748U	82 84	C 83	32.25329857	.00693086	35865-4	13154-3 0	1077
2	13748	64.9871	312.7629	0004313	358.3257	1.9077	16.31514147	25019

1	13748U	82 84	C 83	33.40480036	.00750659	36261-4	13298-3 0	1097
2	13748	64.9988	310.6596	0004453	3.9270	356.2143	16.32363433	25101

1	13748U	82 84	C 83	33.71105959	.00811903	35909-4	13614-3 0	1091
2	13748	64.9962	309.4959	0004036	349.7779	10.3344	16.32907647	25150

1	13748U	82 84	C 83	33.83354248	.00772517	35314-4	12714-3 0	1106
2	13748	64.9866	309.0294	0004173	350.9299	9.1763	16.33094087	25174

1	13748U	82 84	C 83	34.20089759	.00866119	36349-4	13323-3 0	1113
2	13748	64.9864	307.6272	0004076	352.6742	7.4396	16.33754744	25239

1	13748U	82 84	C 83	34.25210932	.00955111	35926-4	13014-3 0	1127
2	13748	64.0950	307.3933	0004215	351.2722	8.8812	16.33959743	25246

1	13748U	82 84	C 83	35.05746757	.00956716	36133-4	12543-3 0	1143
2	13748	64.9864	304.3570	0003732	334.1946	25.9255	16.35295640	25373

1	13748U	82 84	C 83	35.30209536	.00941401	36205-4	11631-3 0	1156
2	13748	64.9848	303.4198	0004586	342.7237	17.6374	16.35826653	25413

1	137490	82 84	C 83	35.72986468	.01067193	36484-4	11932-3 0	1160
2	13749	64.9759	301.7740	0004076	322.1728	37.9418	16.36745003	25485

1	13749U	82 84	C 83	35.79095462	.01091049	36803-4	11885-3 0	1173
2	13749	64.9805	301.5450	0003657	334.0204	26.1117	16.36985773	25495

1	13749U	82 84	C 83	36.21839317	.01528467	36447-4	14160-3 0	1188
2	13749	64.9844	299.9057	0003631	322.3116	37.7429	16.38405623	25560

1	13749U	82 84	C 83	36.40146624	.01739467	36435-4	15116-3 0	1190
2	13749	64.9840	299.2011	0003862	305.7937	54.3293	16.39189346	25595

1	13749U	82 84	C 83	36.58444244	.02072390	36658-4	15749-3 0	1200
2	13749	64.9841	298.4989	0004821	329.9582	30.1487	16.40052593	25623

1	13749U	82 84	C 83	36.70637823	.02221274	36484-4	15829-3 0	1215
2	13749	64.9849	298.0285	0005061	326.7377	33.3640	16.40573673	25644

1	13749U	82 84	C 83	36.82828150	.02247133	37066-4	14855-3 0	1229
2	13749	64.9815	297.5571	0004004	315.9978	44.0791	16.41201595	25662

1	13749U	82 84	C 83	37.07190922	.02913711	36897-4	15045-3 0	1233
2	13749	64.9809	296.6148	0004126	319.1282	40.9923	16.42493913	25708

1	13749U	82 84	C 83	37.19375019	.02492576	36790-4	11421-3 0	1247
2	13749	64.9820	296.1442	0003967	308.0250	52.6831	16.43141086	25722

1	13749U	82 84	C 83	38.10477573	.05219014	37063-4	55014-4 0	1313
2	13749	64.9786	292.6027	0003846	287.7443	72.4084	16.50617570	25874

1	13749U	82 84	C 83	38.22589286	.07526270	37322-4	56432-4 0	1322
2	13749	64.9908	292.1231	0005362	299.2875	60.9921	16.52693735	25891

82-84C

Kosmos 1402 "reactor core" for tr. 4

1	13748U	82	84	C	83	38.34580677	.10338700	37370-4	52248-4	0	1334
2	13743	64.9801	291.6530	0005245	284.6259	75.6684	16.55479697	25913			

1	13749U	82	84	C	83	33.40715527	.17432071	39210-4	61221-4	0	1348
2	13748	64.9806	291.4224	0003552	239.1441	121.1895	16.59331290	25923			

1	13746U	82	84	C	83	37.49777740	.02973493	37088-4	66244-4	0	1279
2	13742	64.9314	294.9675	0004057	302.5592	67.5238	16.45005446	25778			

1	13748U	82	84	C	83	37.39007930	.03507880	36258-4	77966-4	0	1285
2	13743	64.9796	294.2604	0004970	295.0640	65.0218	16.46376937	25808			

1	13749U	82	84	C	83	37.30152602	.04171773	37269-4	75875-4	0	1292
2	13743	64.9736	293.7910	0004933	294.4144	65.6563	16.47417082	25825			

1	13743U	82	84	C	83	38.04417259	.04647335	37565-4	54863-4	0	1303
2	13742	64.9751	292.8399	0005754	301.9001	68.1940	16.49789954	25864			

82-85A

Kosmos 1403

1	13443U	82 85	A	92244.43258102	-.00000300	00000-0	00000 0 0	25
2	13443	70.3699	159.2556	0111233	55.1344	295.7097	15.97326323	13
1	13448U	82 85	A	82245.12151660	-.00000097	00000-0	00000 0 0	39
2	13448	70.3917	156.3112	0042452	217.4513	116.6430	15.61337767	134
1	13448U	82 85	A	82246.21525018	-.00000099	00000-0	00000 0 0	44
2	13448	70.3785	153.3381	0046142	212.3299	147.5973	15.61351129	304
1	13449U	82 85	A	82247.24031397	.00002836	00000-0	32559-4 0	50
2	13448	70.3777	150.5464	0046078	210.7224	149.1522	15.61360194	461
1	13449U	82 85	A	82247.24031397	.00002836	00000-0	32559-4 0	61
2	13448	70.3777	150.5464	0046078	210.7224	149.1522	15.61360194	461
1	13449U	82 85	A	82248.20131464	.00004178	00000-0	47459-4 0	71
2	13448	70.3766	147.9288	0045871	209.1087	150.7486	15.61366585	616
1	13449U	82 85	A	82249.22638267	.00014874	00000-0	16701-3 0	87
2	13448	70.3773	145.1326	0045661	207.7379	152.1453	15.61386567	771
1	13449U	82 85	A	82249.22638267	.00014874	00000-0	16701-3 0	98
2	13448	70.3773	145.1326	0045661	207.7379	152.1453	15.61386567	771

1	13448U	82 85	A	82250.31549268	.20010020	00000-0	11327-3 0	102
2	13448	70.3766		142.1658 0045561	205.2771	154.5528	15.61400094	945
1	13448U	82 85	A	82251.21241616	.20006854	00000-0	77065-4 0	111
2	13448	70.3758		139.7214 0045395	203.9187	155.9551	15.61406381	1079
1	13448U	82 85	A	82252.30152603	.00000241	00000-0	37591-5 0	125
2	13448	70.3756		136.7510 0045108	202.1839	157.6917	15.61403134	1247
1	13448U	82 85	A	82253.19844967	.00002938	00000-0	33703-4 0	130
2	13448	70.3755		134.3064 0044965	200.7432	159.2095	15.61410856	1386
1	13448U	82 85	A	82254.29755046	.00015431	00000-0	18403-3 0	143
2	13448	70.3761		131.3381 0045422	198.8857	161.0804	15.61430431	1559
1	13448U	82 85	A	82256.27352874	.00001734	00000-0	20337-4 0	168
2	13448	70.3761		125.9242 0045083	195.2553	164.5789	15.61424142	1865
1	13448U	82 85	A	82257.23452198	.00004596	00000-0	52430-4 0	170
2	13448	70.3763		123.3035 0044995	193.4982	166.5077	15.61433229	2013

82-86A

Kosmos 1404

1	13449U	82 86	A	82244.54037165	-.00001692	11765-4	00000 0 0	12
2	13449	72.8358	159.8705	0118211	80.9798	280.2833	15.98711500	10
1	13449U	82 86	A	82244.54037165	-.00001692	11765-4	00000 0 0	23
2	13449	72.8358	159.8705	0118211	80.9798	280.2833	15.98711500	10
1	13449U	82 86	A	82244.72822671	-.00001692	11714-4	00000 0 0	31
2	13449	72.8516	159.3934	0121895	82.2758	279.2520	15.98176886	44
1	13449U	82 86	A	82244.85341934	-.00001687	11638-4	00000 0 0	44
2	13449	72.8427	159.0704	0122152	81.8505	279.6601	15.98174352	61
1	13449U	82 86	A	82245.29160247	.00134439	11580-4	12678-3 0	55
2	13449	72.8457	157.9636	0121273	80.9489	280.7339	15.98344246	139
1	13449U	82 86	A	82245.47933933	.00011174	00000-0	12578-3 0	67
2	13449	72.8777	157.4710	0059674	211.6861	146.9139	15.60203659	169
1	13449U	82 86	A	82245.73602865	.00010898	00000-0	12678-3 0	76
2	13449	72.8528	156.8947	0043195	212.6381	147.2826	15.60623397	204
1	13449U	82 86	A	82245.73602865	.00010898	00000-0	12678-3 0	87
2	13449	72.8528	156.8947	0043195	212.6381	147.2826	15.60623397	204
1	13449U	82 86	A	82247.21037870	.00001522	00000-0	13215-4 0	99
2	13449	72.8505	153.3679	0043397	207.2458	152.6667	15.60644650	435

1	13449U	82 86	A	92247.21037870	.00001522	00000-0	18215-4 0	101
2	13449	72.8505		153.3679 0043397	207.2458	152.6667	15.60644650	435
1	13449U	82 86	A	82248.23601412	.00000929	00000-0	11403-4 0	116
2	13449	72.8510		150.9168 0043367	204.9189	154.9837	15.60645153	599
1	13449U	82 86	A	82249.26165472	.00000929	00000-0	11403-4 0	122
2	13449	72.8506		148.4654 0042733	202.2856	157.6385	15.50660099	755
1	13449U	82 86	A	82250.28728591	.00033627	00000-0	33701-3 0	134
2	13449	72.8504		146.0125 0042578	200.2378	159.6924	15.60679908	913
1	13449U	82 86	A	82251.12058855	.00097118	00000-0	11078-2 0	140
2	13449	72.8502		144.0237 0042231	198.0383	161.7695	15.60693117	1040
1	13449U	82 86	A	82251.18471839	.00006144	00000-0	71307-4 0	150
2	13449	72.8497		143.8699 0042947	198.3246	161.6504	15.60668235	1050
1	13449U	82 86	A	82252.33855365	.00009637	00000-0	11223-3 0	169
2	13449	72.8488		141.1106 0042651	196.0048	163.9947	15.60669012	1231
1	13449U	82 86	A	82253.23596634	-.00000261	00000-0	-22891-5 0	172
2	13449	72.8484		138.9669 0042420	193.5923	166.3339	15.60657963	1372
1	13449U	82 86	A	82254.32571271	.00016264	00000-0	13844-3 0	183
2	13449	72.8485		136.3603 0042276	191.2840	168.7410	15.60673230	1545
1	13449U	82 86	A	82256.24876389	.00002420	00000-0	29602-4 0	200
2	13449	72.8503		131.7643 0042262	186.5505	173.4549	15.60661903	1843
1	13449U	82 86	A	82257.27440011	.00001219	00000-0	14759-4 0	216
2	13449	72.8499		129.3133 0042338	184.5368	175.5452	15.60664467	2005

82-87A

ETS 3

1	13492U	82 87	A	82246.41225448	-.00000043	00000-0	00000 0 0	17
2	13492	44.6091		64.8323 0173578	203.9922	155.2890	13.43241547	25
1	13492U	82 87	A	82249.90796937	-.00000043	00000-0	00000 0 0	42
2	13492	44.6242		50.5988 0175464	219.1832	139.6160	13.43294545	490
1	13492U	82 87	A	82252.51100480	-.00000044	00000-0	00000 0 0	70
2	13492	44.6267		39.9929 0175480	230.5671	127.9490	13.43283599	841

1	13493U	82 87	B	82246.41225448	-.00000044	00000-0	00000 0 0	19
2	13493	44.6168		64.8330 0169605	205.4859	154.6808	13.44550399	22

82-88A

Kosmos 1405

1	13508U	82 98	A	82247.86117662	-.00000132	00000-0	00000 3 0	13
2	13508	65.0247		285.5801	0012987	272.5572	70.6078 15.43454402	32
1	13508U	82 98	A	82248.05858906	-.00060555	00000-0	-13589-2 0	24
2	13508	65.0235		284.9210	0013097	273.7472	86.2348 15.43431930	53
1	13508U	82 98	A	82248.51216437	-.00060597	00000-0	-13589-2 0	39
2	13508	65.0222		293.4094	0012925	273.1738	86.3640 15.43455696	130
1	13508U	82 98	A	82248.51215147	.00220648	00000-0	47509-2 0	49
2	13508	65.0222		283.4094	0012925	273.1738	86.7906 15.43477378	135
1	13508U	82 88	A	82248.77131793	.00030362	00000-0	67502-3 0	59
2	13508	65.0214		282.5444	0012961	272.2955	87.5150 15.43455766	173
1	13508U	82 88	A	82249.28957891	.00012692	00000-0	28607-3 0	63
2	13508	65.0234		290.9145	0013087	271.8960	88.0485 15.43476588	251
1	13508U	82 88	A	82249.61365097	.00037247	00000-0	82852-3 0	76
2	13508	65.0237		279.7312	0012448	271.9257	87.7643 15.43391720	307

1	13508U	82 88	A	82250.32646592	.00019701	00000-0	44173-3 0	88
2	13508	65.0240	277.3537	0012382	271.6302	86.2783	15.43399269	419

1	13508U	82 88	A	82251.23362664	.00016188	00000-0	36377-3 0	98
2	13508	65.0239	274.3275	0012389	271.3010	89.6578	15.43427231	555

1	13508U	82 88	A	82252.33514745	.00013649	00000-0	30750-3 0	109
2	13508	65.0236	270.6515	0012371	272.1787	87.7761	15.43455086	722

1	13508U	82 88	A	82308.38353153	.00014776	00000-0	33335-3 0	871
2	13508	65.0211	83.6245	0010114	272.2671	87.6625	15.43391169	9360

1	135087	82 88	A	82311.29933096	.000160197	00000-0	34545-2 0	908
2	13508	65.0232	73.8946	0010126	269.1218	92.0669	15.43726649	9817

1	13508U	82 88	A	82344.27970364	.00012866	00000-0	28220-3 0	1466
2	13508	65.0224	323.8345	0035572	203.5078	156.4374	15.43688479	14902

1	13508U	82 88	A	82355.22698052	.00014859	00000-0	32108-3 0	1580
2	13508	65.0249	287.2798	0034488	198.9903	160.8974	15.44093098	16592

82-89A

Kosmos 1406

1	13519U	82 89	A	82251.48493433	.00000087	00000-0	00000 0 0	13
2	13519	82.3043		169.5532 0005410	142.7753	218.3815	16.21250323	15
1	13519U	82 89	A	82251.67029005	.00000091	00000-0	00000 0 0	27
2	13519	82.3151		168.3250 0014293	118.0130	242.2719	16.19111975	41
1	13519U	82 89	A	82252.10292288	.00000093	00000-0	00000 0 0	34
2	13519	82.3145		167.8159 0014080	118.8428	241.5952	16.19301304	113
1	13519U	82 89	A	82252.35008679	.00231632	-16903-5	12613-3 0	43
2	13519	82.3121		167.5233 0014385	117.0898	243.2314	16.19424050	159
1	13519U	82 89	A	82254.26519151	.00231902	-13665-6	11842-3 0	61
2	13519	82.3130		165.2609 0014199	110.6491	249.6757	16.20263740	460
1	13519U	82 89	A	82255.11759241	.00126084	00000-0	60461-4 0	82
2	13519	82.3150		163.0743 0015023	109.3776	251.2805	15.21057131	751
1	13519U	82 89	A	82256.24099006	.00249791	-16903-5	11954-3 0	91
2	13519	82.3137		162.9255 0014004	107.0095	253.3621	16.21207693	780

1	13519U	82 89	A	82257.22854442	.00188565	00000-0	99999-4 0	125
2	13519	82.3145		161.7556	0010337	36.6317	323.3677	16.18442457 943
1	13519U	82 89	A	82258.21772864	.00205304	-16106-5	11802-3 0	112
2	13519	82.3161		160.5878	0010056	32.3364	328.0127	16.19849390 1104
1	13519U	82 89	A	82259.20661519	.00190347	-16910-5	10645-3 0	124
2	13519	82.3165		159.4222	0009836	27.7742	332.3251	16.19216981 1268
1	13519U	82 89	A	82262.23368701	.00234400	-16526-5	11925-3 0	155
2	13519	82.3103		155.8492	0007947	11.1497	348.9595	16.20511540 1752
1	13519U	82 89	A	82263.22167667	.00255126	-16549-5	12505-3 0	161
2	13519	82.3109		154.6798	0007772	7.2389	352.9242	16.20997990 1914
1	13519U	82 89	A	82264.24914733	.00316260	-18405-5	14209-3 0	178
2	13519	82.3213		153.5051	0009113	378.3605	51.9994	16.22103345 2071

82-90A

Kina 10

1	13520U	82 90	A	82252.34680985	-.00005586	38766-4	00000 0 0	16
2	13520	52.9847		44.8214	0158282	146.2788	214.9553 15.96295085	34
1	13521U	82 90	A	82252.53475245	-.00005532	38153-4	00000 0 0	30
2	13521	52.9890		44.4914	0163965	148.1836	212.9676 15.96787302	39
1	13521U	82 90	A	82252.72259964	-.00005564	38364-4	00000 0 0	49
2	13521	52.9834		43.7561	0162066	147.9455	213.1766 15.97064771	57
1	13521U	82 90	A	82253.09827877	-.00005529	38008-4	00000 0 0	51
2	13521	52.9832		42.2992	0159503	147.7032	213.5610 15.97358771	123
1	13521U	82 90	A	82253.22345472	.00420076	38648-4	21093-3 0	69
2	13521	52.9846		41.8084	0160966	148.2516	212.3997 15.97478475	149
1	13521U	82 90	A	82254.23729322	.00461428	38736-4	22310-3 0	95
2	13521	52.9827		37.6632	0157909	148.2858	213.0058 15.98484600	310
1	13521U	82 90	A	82255.47543411	.00599876	38695-4	28911-3 0	108
2	13521	52.9839		33.0323	0152606	148.2215	212.7888 15.99585142	508

1	13521U	82 90	A	82255.85047438	.00487403	38790-4	22966-3 0	112
2	13521	62.9818		31.5726 0151861	148.4966	212.5368	15.99939362	361

1	13521U	82 90	A	82256.29790715	.00484052	38863-4	22501-3 0	127
2	13521	62.9827		29.8592 0150466	148.5722	212.4469	15.00414496	635

1	13521U	82 90	A	82257.41206706	.02119375	39203-4	84485-3 0	134
2	13521	62.9803		25.4494 0143857	147.1290	213.9883	16.03214181	810

1	13521U	82 90	A	82257.79611578	.02203549	39014-4	84485-3 0	144
2	13521	62.9879		23.9811 0139028	146.8912	213.9083	16.04580785	889

1	13521U	82 90	A	82258.22212193	.02459554	39193-4	84485-3 0	152
2	13521	62.9936		22.2306 0135963	148.4673	212.1891	16.06261879	958

1	13521U	82 90	A	82259.15520685	.01759194	39079-4	57193-3 0	176
2	13521	62.9844		18.5790 0124040	146.9419	213.8712	16.09210548	1104

1	13521U	82 90	A	82259.27948490	.01793425	39502-4	57193-3 0	184
2	13521	62.9844		18.0872 0122681	146.9580	213.9349	16.09665743	1128

1	13521U	82 90	A	82260.76790368	.02201945	40225-4	54519-3 0	218
2	13521	62.9834		12.1704 0104969	146.8927	214.1727	15.15517121	1361

1	13521U	82 90	A	82261.01536013	.02376429	40545-4	56734-3 0	229
2	13521	62.9814		11.1795 0100853	146.5885	214.1626	16.16646750	1401

1	13521U	82 90	A	82261.81854875	.02801028	40647-4	53741-3 0	244
2	13521	62.9827		7.9565 0089245	146.6303	214.4792	16.20810724	1530

82-90A

Kina 10

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1	13521U	82 90	A	82261.94183938	.02903227	40752-4	53625-3 0	257
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2	13521	62.9814		7.4584 0087185	146.5864	214.0859	16.21529218	1552
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1	13521U	82 90	A	82262.25000676	.02917674	40613-4	45874-3 0	263
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2	13521	62.9810		6.2187 0091332	146.7337	214.0080	16.23468513	1509
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1	13521U	82 90	A	82262.55776101	.03716559	40887-4	48205-3 0	274
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2	13521	62.9795		4.9725 0075171	146.5289	214.1122	16.25687482	1659
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1	13521U	82 90	A	82263.04927677	.04633123	41225-4	40483-3 0	289
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2	13521	62.9800		2.9769 0063353	146.3178	214.4886	16.29873300	1735
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1	13521U	82 90	A	82263.29446431	.04909290	41434-4	33443-3 0	304
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2	13521	62.9721		1.9722 0057472	146.8343	213.6523	16.32210576	1776
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1	13521U	82 90	A	82263.29446431	.04909290	41434-4	33443-3 0	315
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2	13521	62.9721		1.9722 0057472	146.8343	213.6523	16.32210576	1776
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1	13521U	82 90	A	82263.53933702	.06707492	41573-4	31713-3 0	320
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2	13521	62.9759		0.9680 0050537	146.8392	213.8745	16.35352422	1812
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1	13521U	82 90	A	82263.73359246	.07357709	42108-4	22939-3 0	339
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2	13521	62.9736		359.9604 0041456	148.1818	212.2075	16.39250282	1852
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1	13521U	82 90	A	82263.90552290	.09932346	42480-4	22927-3 0	347
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2	13521	62.9747		359.4559 0037487	151.5910	208.8939	16.41612257	1870
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1 13521U 82 90 A 82264.14679647 .19262636 43666-4 18162-3 0 354
2 13521 32.9717 358.4487 0022817 153.8779 207.2785 16.49465042 1919

82-91 A

Kosmos 1407

1	13546U	82 91	A	82258.82240731	-.00004099	29329-4	00000 0 0	15
2	13546	67.1627		212.8367 0105464	70.9312	285.8414	16.11932736	13
1	13546U	82 91	A	82258.94727813	-.00004047	29020-4	00000 0 0	21
2	13546	67.1481		212.3501 0125935	69.8319	288.1576	16.06720251	34
1	13546U	82 91	A	82259.01012822	-.00004054	29005-4	00000 0 0	39
2	13546	67.1498		212.1413 0126494	70.4130	291.0884	16.06759907	47
1	13546U	82 91	A	82259.25907471	-.00004066	29074-4	00000 0 0	43
2	13546	67.1556		211.3098 0126647	70.0117	291.4915	16.07062692	86
1	13546U	82 91	A	82259.57003422	-.00004042	27998-4	00000 0 0	55
2	13546	67.1525		210.2633 0123615	70.6841	289.3821	16.07374452	139
1	13546U	82 91	A	82260.44099790	.00575296	29020-4	23488-3 0	76
2	13546	67.1541		207.3182 0125140	67.2649	292.6087	16.06925278	296
1	13546U	82 91	A	82261.31223264	.00652592	29135-4	25567-3 0	93
2	13546	67.1540		204.3807 0121344	66.4175	294.9639	16.08083099	435

1 13546U 82 91 A 82262.24483110 .00810574 27964-4 29778-3 0 110
2 13546 67.1578 201.2271 0117567 65.5567 295.9226 16.09455784 588

1 13546U 82 91 A 82262.24483110 .00810574 27964-4 29778-3 0 121
2 13546 67.1578 201.2271 0117567 65.5567 295.9226 16.09455784 588

1 13546U 82 91 A 82263.17652329 .00792154 28352-4 27330-3 0 131
2 13546 67.1536 199.0716 0113464 64.8537 296.1455 16.10879730 737

1 13546U 82 91 A 82263.36282524 .00847206 28445-4 27229-3 0 142
2 13546 67.1510 197.4381 0101377 65.8931 297.1355 16.13895033 769

1 13546U 82 91 A 82263.36282524 .00847206 28445-4 27229-3 0 150
2 13546 67.1510 197.4381 0101377 65.8931 297.1355 16.13895033 769

1 13546U 82 91 A 82264.22972925 .00923437 27956-4 27380-3 0 153
2 13546 67.1529 194.4833 0097365 64.7544 296.4023 16.15433947 901

1 13546U 82 91 A 82265.21978101 .01134767 28529-4 30206-3 0 175
2 13546 67.1501 191.1006 0091429 63.8729 297.5163 16.17559912 1066

1 13546U 82 91 A 82265.46700861 .00795090 28239-4 30206-3 0 183
2 13546 67.1532 190.2555 0100655 76.2401 292.7457 16.12348716 1105

1 13546U 82 91 A 82267.20413441 .01691398 27505-4 70908-3 0 208
2 13546 67.1532 184.3457 0140196 81.5704 280.1406 16.03598571 1380

1 13546U 82 91 A 82268.26396903 .00614076 27359-4 25600-3 0 220
2 13546 67.1473 180.7862 0134387 80.8339 280.3847 16.04861795 1558

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parts.1

1	13546U	82 91	A	82268.98710973	.00646867	27560-4	25600-3 0	233
2	13546	67.1516	178.6944	0132143	79.9457	281.9611	16.05830303	1550
1	13546U	82 91	A	82269.13616908	.00654034	27789-4	25500-3 0	244
2	13546	67.1468	177.9555	0129821	80.5339	281.3050	16.06405967	1692
1	13546U	82 91	A	82269.13612492	.00941417	28170-4	35423-3 0	253
2	13546	67.1456	177.8499	0129963	80.4448	281.1452	16.06474735	1695
1	13546U	82 91	A	82269.75841675	.01113861	28120-4	41713-3 0	267
2	13546	67.1543	175.7538	0124321	80.1058	281.4012	16.07918120	1799
1	13546U	82 91	A	82270.00718754	.01205905	27869-4	41713-3 0	278
2	13546	67.1438	174.9034	0123530	79.5153	282.3198	16.09849262	1833
1	13546U	82 91	A	82270.25575185	.01524489	28086-4	51706-3 0	281
2	13546	67.1503	174.0720	0120386	79.2123	282.3640	16.09643637	1874
1	13546U	82 91	A	82271.24917812	.01089247	28329-4	32901-3 0	294
2	13546	67.1488	170.7001	0113834	78.4210	282.9591	16.12077258	2034
1	13546U	82 91	A	82272.24106524	.00999189	27871-4	25899-3 0	301
2	13546	67.1482	167.3259	0107397	77.3432	283.8484	16.14423351	2194

1	13546U	82 91	A	82272.55079626	.00375646	27477-4	25899-3 0	316
2	13546	67.1333	166.2099	0148826	98.6718	257.5143	15.96219576	2242
1	13546U	82 91	A	82272.61443301	.00419284	27338-4	25899-3 0	322
2	13546	67.1524	166.0690	0136039	101.8514	260.6088	15.99980921	2253
1	13546U	82 91	A	82274.17618069	.00571010	27555-4	33525-3 0	341
2	13546	67.1499	160.9435	0132112	100.5309	250.7790	16.01710857	2505
1	13546U	82 91	A	82274.92537209	.00851078	27587-4	47104-3 0	353
2	13546	67.1444	153.3354	0128686	99.5027	262.5619	16.03004183	2625
1	13546U	82 91	A	82277.23132694	.00661534	27580-4	31794-3 0	385
2	13546	67.1434	150.5799	0119672	97.1727	264.3109	16.05293613	2993
1	13546U	82 91	A	82275.23718720	.00861415	28180-4	46762-3 0	361
2	13546	67.1455	157.2890	0126850	99.2990	262.2975	16.03573291	2677
1	13546U	82 91	A	82276.29689175	.00704588	27941-4	35173-3 0	379
2	13546	67.1451	153.7307	0123646	98.3409	262.7166	16.05111110	2847
1	13546U	82 91	A	82278.04051565	.00705332	28116-4	31784-3 0	395
2	13546	67.1497	147.8519	0117410	95.9989	265.4287	16.07405449	3123
1	13546U	82 91	A	82280.27831406	.00792665	27954-4	31083-3 0	424
2	13546	67.1425	140.2340	0107357	93.7280	267.6179	16.10765204	3482
1	13546U	82 91	A	82281.20921373	.00906554	28513-4	32777-3 0	449
2	13546	67.1416	137.1252	0102609	92.7215	268.5916	16.12483928	3633
1	13546U	82 91	A	82282.01519436	.00944122	28376-4	31982-3 0	454
2	13546	67.1442	134.3816	0098956	91.7227	269.2240	16.13853760	3767

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Kosmos 1407

part. 2

1	13546U	82 91	A	82282.13919123	.00352810	29509-4	29562-3 0	461
2	13546	67.1423		133.9554 0093433	31.7093	269.5431	16.14038045	3733
1	13546U	82 91	A	82283.19202748	.01029465	28608-4	30947-3 0	470
2	13546	67.1398		130.3666 0093499	90.2020	271.0217	16.16015341	3952
1	13546U	82 91	A	82283.62509018	.01101669	28664-4	30947-3 0	488
2	13546	67.1372		129.8933 0091553	89.3287	271.3053	16.17031492	4026
1	13546U	82 91	A	82284.24335961	.01060629	29835-4	29499-3 0	490
2	13546	67.1385		126.7662 0086933	69.1900	271.9598	16.18388230	4124
1	13546U	82 91	A	82284.61406697	.00569702	29292-4	28499-3 0	501
2	13546	67.1350		125.5194 0127594	113.1553	232.9670	16.04334726	4185
1	13546U	82 91	A	82285.23993457	.00810281	27831-4	39482-3 0	519
2	13546	67.1374		123.4094 0123811	112.1900	249.1145	16.05330671	4284
1	13546U	82 91	A	82285.55142509	.00237540	27977-4	39342-3 0	523
2	13546	67.1357		122.3593 0122610	111.7807	249.7738	16.05950790	4334
1	13546U	82 91	A	82286.23623224	.00692436	27536-4	31484-3 0	530
2	13546	67.1394		120.0493 0118944	110.3730	251.0187	16.07015181	4443
1	13546U	82 91	A	82288.97059024	.01311122	27916-4	46867-3 0	554
2	13546	67.1381		110.7945 0105116	107.5069	254.2381	16.12111490	4886

82-92A

Kosmos 1408

1	13552U	82 92	A	82259.26223514	.00000011	00000-0	00000 0 0	13
2	13552	82.6223		95.5548 0027981	279.5770	80.2325	14.75098047	17
1	13552U	82 92	A	82259.39790175	.00000011	00000-0	00000 0 0	20
2	13552	82.5893		95.3628 0021624	298.0094	61.1355	14.73577354	33
1	13552U	82 92	A	82259.50175540	.00000012	00000-0	00000 0 0	39
2	13552	82.5662		95.1663 0023454	294.8529	65.0459	14.73532150	65
1	13552U	82 92	A	82261.29926444	.00004601	00000-0	70025-3 0	63
2	13552	82.5677		93.6093 0023525	289.3109	70.3802	14.73620024	315
1	13552U	82 92	A	82263.26844951	.00000995	00000-0	14868-3 0	81
2	13552	82.5674		91.8047 0023546	282.3130	77.5437	14.73618766	605
1	13552U	82 92	A	82266.32402793	.00000425	00000-0	63210-4 0	113
2	13552	82.5692		89.0053 0023412	272.1613	87.7049	14.73624275	1051

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Stationar - Ekran 9

1	13554U	82 93	A	82260.99058408	-.00000291	00000-0	99999-4 0	17
2	13554	0.3002		85.7156	0000392	301.3026	59.6936 1.01017313	22
1	13554U	82 93	A	82262.73474388	-.00000290	00000-0	99999-4 0	23
2	13554	0.1090		181.0-)	3 0065605	199.0885	339.3459 1.01016679	40
1	13555U	82 93	B	82260.43761597	.02932119	59062-4	39623-3 0	75
2	13555	51.6040		279.9229	0011289	305.7148	54.5152 16.34329045	104
1	13556U	82 93	C	82260.07045470	.24571147	59323-4	27926-2 0	50
2	13556	51.6583		281.0669	0005051	94.9514	265.6987 16.35110759	41
1	13553U	82 93	D	82262.44777946	.00001752	00000-0	16189-2 0	15
2	13553	47.4797		291.7192	7247760	0.4223	0.0044 2.28732628	89
1	13554U	82 93	E	82259.82514319	.00000196	00000-0	99999-4 0	11
2	13554	47.8015		291.8519	7247729	0.3258	0.0003 2.30982421	01
1	13554U	82 93	A	82276.69229861	-.00000275	00000-0	00000 0 0	50
2	13554	0.3550		293.6778	0016117	100.6513	325.9686 1.00276527	134

82-94A

Progress 15

1	13558U	82 94	A	82261.50782359	-.00000838	00000-0	00000 0 0	27
2	13558	51.6353		79.7553	0043651	198.6164	161.3944 16.11240074	59
1	13558U	82 94	A	82262.25205722	.00311958	14648-4	24750-3 0	31
2	13558	51.6432		75.7258	0043428	201.1264	159.3510 16.11698870	175
1	13558U	82 94	A	82262.37596337	.00276791	49938-4	24750-3 0	45
2	13558	51.6439		75.0564	0038960	207.9824	151.3318 16.10454160	197
1	13558U	82 94	A	82263.18262527	.19046211	00000-0	70571-1 0	64
2	13558	51.6307		70.6747	0018627	328.9585	34.0276 15.35814593	326
1	13558U	82 94	A	82262.99650402	.00301128	12724-4	25269-3 0	51
2	13558	51.6438		71.6963	0038893	208.9155	150.3879 16.10786617	207
1	13558U	82 94	A	82265.89154183	.00116073	00000-0	44623-3 0	99
2	13558	51.6192		56.5199	0015875	332.7363	27.4065 15.36312646	24783
1	13558U	82 94	A	82268.34801665	.00107360	00000-0	40218-3 0	114
2	13558	51.6179		43.6541	0018070	343.6194	16.4737 15.86811067	25173

1	135597	82 94	A	82273.21477454	.00037282	70000-0	35352-3	0	159
2	13558	51.6137		13.3942	0007661	315.8928	44.1567	15.66508465	25949

82-95A

Kosmos 1409

1	135950	82 95	A	82265.31651222	-.00000271	00000-0	00000 0 0	15
2	13595	63.0341		45.9359 7347719	318.2570	4.6561	2.02774028	15

82-96A

Kosmos 1410

1	13589U	82 96	A	82268.33721836	.00000142	00000-0	99999-3 0	42
2	13589	82.6113	167.9761	0005120	274.1589	85.8939	12.42103845	114
1	13589U	82 96	A	82268.73995532	.00001986	00000-0	14453-1 0	50
2	13589	82.6108	167.7304	0005160	274.4032	85.6411	12.42107780	170

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Intelsat 5 (F-5)

1	13595U	82 97	A	82271.78853168	.00000210	22617-4	99999-4 0		02
2	13595	24.3547		175.8997 7323181	174.6942	203.2471	2.27061028		01
	13595U	82 97	A	82272.65258088	.00000314	00000-0	99999-4 0		14
	13595	23.9859		175.6173 7281115	175.0520	200.7962	2.28096251		22
1	13595U	82 97	A	82274.62503255	.000003032	00000-0	00000 0 0		42
2	13595	1.5205		254.0993 0133173	102.7248	257.8735	1.02377142		41
1	13595U	82 97	A	82277.66320144	.00000173	00000-0	00000 0 0		53
2	13595	1.6062		279.6944 0007472	234.0421	124.9902	1.00337973		61
1	13595U	82 97	A	82291.62521054	.00000171	00000-0	00000 0 0		74
2	13595	1.5698		279.2654 0005936	313.6473	45.5980	1.00239753		207

82-98A

Kosmos 1411

1	13507U	82 98	A	82274.73581376	.00116305	92220-5	14018-3 0	44
2	13597	72.8449	188.1198	0043669	75.9751	289.0130	16.06036253	200
1	13597U	82 98	A	82275.23335391	.00191021	18630-4	22720-3 0	55
2	13597	72.8438	186.8422	0043731	75.7461	284.3716	16.05248917	283
1	13597U	82 98	A	82276.22976349	.00160309	13711-4	19955-3 0	64
2	13597	72.8423	184.2959	0043200	72.9179	287.2714	16.06477992	445
1	13597U	82 98	A	82277.22612224	.00164855	14547-4	19130-3 0	70
2	13597	72.8437	181.7467	0042896	70.7890	289.5255	16.06710422	603
1	13597U	82 98	A	82278.22231081	.00120243	89528-5	13796-3 0	87
2	13597	72.8408	179.1975	0042792	68.5050	291.7922	16.06919232	765
1	13597U	82 98	A	82280.15205337	.00142989	11739-4	15957-3 0	100
2	13597	72.8411	174.2548	0041914	62.6333	297.9090	16.07402176	1073
1	13597U	82 98	A	82281.21000787	.00141938	11556-4	15543-3 0	112
2	13597	72.8410	171.5418	0041908	59.6056	300.6574	16.07694929	1245

1	13597U	82 98	A	82282.31892325	.00226702	26192-4	24470-3 0	120
2	13597	72.8422	169.4715	0041641	59.1014	301.3335	16.07999368	1377
1	13597U	82 98	A	82282.14354763	.00205078	21232-4	24470-3 0	133
2	13597	72.8421	169.1533	0045089	67.5489	293.2912	16.06066788	1393
1	13597U	82 98	A	82282.14354763	.00205008	21232-4	24470-3 0	144
2	13597	72.8421	169.1533	0045089	67.5489	293.2912	16.06066788	1393
1	13597U	82 98	A	82283.07774610	.00214274	22809-4	25287-3 0	159
2	13597	72.8432	166.7617	0044352	65.0668	295.2680	16.06304329	1546
1	13597U	82 98	A	82283.20235933	.00014110	00000-0	16732-4 0	162
2	13597	72.8435	166.4428	0044651	64.4772	296.0778	16.06230983	1561
1	13597U	82 98	A	82284.26114736	.00266211	34571-4	30563-3 0	171
2	13597	72.8463	163.7372	0045563	61.3157	299.3397	16.06590015	1731
1	13597U	82 98	A	82284.32335197	.00355113	36998-4	30583-3 0	183
2	13597	72.8423	163.5765	0023666	84.4491	279.6273	16.12550349	1743
1	13597U	82 98	A	82284.86117999	.00132400	11228-4	11363-3 0	195
2	13597	72.8445	162.1325	0023669	32.6198	277.4240	16.12652165	1839
1	13597U	82 98	A	82285.25344594	.00154876	14300-4	13144-3 0	207
2	13597	72.8436	161.1742	0023707	32.5849	277.3596	16.12786166	1890
1	13597U	82 98	A	82286.24586951	.00158298	14965-4	13205-3 0	210
2	13597	72.8413	159.6125	0023219	30.9461	279.5219	16.13060995	2056

82-99A

Kosmos 1412

1	13600U	82 99	A	82275.05577753	-.00000364	00000-0	00000 0 0	10
2	13600	64.9983		45.2653 0015314	253.1368	106.9122	16.05241673	05
1	13600U	82 99	A	82275.36704406	-.00000368	00000-0	00000 0 0	45
2	13600	64.9931		44.1227 0008247	265.7681	94.0121	16.06096880	55
1	13600U	92 99	A	82275.30103805	.00114093	10387-4	15247-3 0	54
2	13600	64.9996		43.7023 0009886	268.4689	91.7310	16.06376603	206
1	13600U	82 99	A	82276.42551701	.00114296	10530-4	15247-3 0	65
2	13600	64.9989		40.2453 0010404	271.5634	98.4225	16.06397126	225
1	13600U	92 99	A	82276.42551701	.00114296	10530-4	15247-3 0	76
2	13600	64.9989		40.2453 0010404	271.5634	98.4225	16.06397126	225
1	13600U	92 99	A	82277.29706865	.00475495	11480-3	63779-3 0	95
2	13600	65.0038		37.0566 0012332	268.2336	91.5476	16.06111738	357
1	13600U	92 99	A	82277.48389373	.00477062	11579-3	63779-3 0	100
2	13600	65.0013		36.3646 0011497	270.6099	99.3041	16.06187476	393

1	13600U	82 99	A	82277.48389373	.00477062	11579-3	63779-3 0	111
2	13600	65.0013		36.3646 0011497	270.6099	89.3041	16.06187476	405

1	13670U	82 99	A	82278.04419003	.00481810	11847-3	63779-3 0	123
2	13600	65.0030		34.3050 0011496	275.7458	83.7245	16.06346986	491

1	13600U	82 99	A	82278.29329301	.00096336	38247-3	12936-3 0	136
2	13600	65.0008		33.3999 0011855	268.6821	91.1285	16.06300123	533

1	13600U	82 99	A	82279.35169704	-.00403710	00000-0	-57921-3 0	155
2	13600	64.9983		29.5193 0012057	271.6284	88.2707	16.06144902	707

1	13600U	82 99	A	82280.28593306	.00110022	10059-4	14687-3 0	179
2	13600	65.0022		28.0962 0010133	265.5672	96.2912	16.06401350	953

1	13600U	82 99	A	82281.28167631	.00022943	00000-0	31112-4 0	187
2	13600	64.9974		22.4426 0009934	270.8973	85.9180	16.06059529	1013

1	13600U	82 99	A	82281.96665320	.00291224	43787-4	38383-3 0	195
2	13600	64.9969		19.9337 0003932	270.5733	89.6065	16.06273734	1123

1	13600U	82 99	A	82282.21566253	.00073918	00000-0	97053-4 0	201
2	13600	64.9969		19.0192 0006578	264.7512	95.2343	16.06232683	1163

1	13600U	82 99	A	82283.21179283	.00079557	73176-5	10670-3 0	213
2	13600	64.9990		15.3667 0009864	261.5772	93.4417	16.06442917	1322

1	13600U	82 99	A	82283.39855392	.00016576	00000-0	22187-4 0	221
2	13600	64.9997		14.6807 0009883	265.9113	94.0750	16.06424510	1359

1	13600U	82 99	A	82284.27005714	.00073944	74748-5	10333-3 0	234
2	13600	64.9991		11.4300 0012029	253.6183	106.1198	16.06373712	1491

82-99A

Kosmos 1412 parts. 1

1	13500U	82 99	A	82284.33235669	.00051154	00000-0	31036-4 0	247
2	13500	64.9991		11.2574 0010048	274.7917	85.2766	16.06153193	1503

1	13500U	82 99	A	82285.26529259	.00076139	00000-0	99380-4 0	264
2	13500	64.9991		7.3355 0010189	270.3309	69.6372	16.06337548	1651

1	13500U	82 99	A	82288.31687420	.00076812	72916-5	10489-3 0	302
2	13500	64.9973		356.6454 0010205	273.0331	86.6703	16.06145113	2145

1	13500U	82 99	A	82290.24693399	.00076899	73182-5	10285-3 0	322
2	13500	65.0001		349.5754 0010255	273.0904	87.0953	16.06476493	2459

1	13500U	82 99	A	82292.23926281	.00018623	00000-0	25074-4 0	356
2	13500	64.9962		342.2722 0010106	265.6890	94.3543	16.06287552	2777

1	13500U	82 99	A	82293.23542734	.00053393	00000-0	73594-4 0	373
2	13500	64.9981		339.3198 0010244	261.5616	98.7915	16.06428461	2936

1	13500U	82 99	A	82303.36426402	.00122569	11279-4	16514-3 0	626
2	13500	64.9979		283.1489 0008448	268.3044	91.7605	16.06258510	5363

1	13500U	82 99	A	82311.29043143	.00048458	00000-0	63592-4 0	684
2	13500	64.9946		272.4154 0009205	268.7906	91.2391	16.06401000	5333

82-100 A, B, C, D, E, F, G, H

A, E, F = GLONASS payloads

H = "BUS"

Kosmos 1413,
1414, 1415

1	13603U	82100	A	82285.56035427	.00000013	00000-0	99999-4 0	07
2	13603	64.8001	252.0080	0015000	359.9999	359.9854	2.13967308	02
1	13603U	82100	A	82286.96493374	.00000013	00000-0	99999-4 0	23
2	13603	64.8264	254.0275	0001343	144.0322	215.9272	2.13831119	26
1	13603U	82100	A	82287.43262587	.00000013	00000-0	99999-4 0	43
2	13603	64.8313	254.0108	0000413	187.6249	172.3986	2.13860943	39
1	13603U	82100	A	82287.43255417	.00000013	00000-0	99999-4 0	53
2	13603	64.8307	254.0095	0000641	177.7791	182.1847	2.13859179	37
1	13603U	82100	A	82287.43256229	.00000012	00000-0	99999-4 0	55
2	13603	64.8288	254.0092	0000483	206.5443	153.4396	2.13868373	48

1	13604U	82100	B	82285.92170491	-.00008559	59279-4	00000 0 0	19
2	13604	51.6294	153.0640	0012219	119.4053	240.8193	16.34734439	01
1	13604U	82100	B	82286.10556715	-.00008574	59273-4	00000 0 0	31
2	13604	51.6488	252.0383	0011318	203.4914	156.4458	16.32211469	34
1	13604U	82100	B	82286.59537181	.03219114	59205-4	40133-3 0	59
2	13604	51.6497	249.3016	0005636	210.4853	152.1368	16.35270462	164
1	13604U	82100	B	82287.20423354	.23274463	60956-4	47949-3 0	95
2	13604	51.6372	245.8429	0006951	240.7447	119.2957	16.46523732	263

1	13605U	82100	C	82286.10556715	-.00008725	60200-4	00000 0 0	21
2	13605	51.6375	251.9227	0016590	91.4444	274.3565	16.45313175	85
1	13605U	82100	C	82286.10463792	.71556769	60872-4	94341-3 0	59
2	13605	51.6386	252.0054	0015563	14.2518	345.6211	16.48018728	80

1	13608U	82100	D	82286.61834200	-.00000012	00000-0	00000 0 0	16
2	13608	52.1267	253.9128	5805040	358.3953	0.2807	4.24268785	48
1	13608U	82100	D	82287.55960189	-.00000012	00000-0	00000 0 0	50
2	13608	51.9751	253.3904	5792290	358.9510	357.5102	4.24235097	96
1	13608U	82100	D	82287.56134896	-.00000012	00000-0	00000 0 0	60
2	13608	51.9754	253.3897	5792302	358.8517	0.1735	4.24235136	93

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Kosmos 1413, 1414

1415

for ts. 1

1	13606U	82100	E	82287.43277352	.00000012	00000-0	99999-4 0	24
2	13606	64.8134		254.0098 0003104	244.4771	115.4653	2.13935543	31
1	13606U	82100	E	82287.43277710	.00000013	00000-0	99999-4 0	34
2	13606	64.8129		254.0097 0003079	244.9601	114.9823	2.13833655	48
1	13607U	82100	F	82287.43300056	.00000013	00000-0	99999-4 0	24
2	13607	64.8120		254.0160 0002089	171.8052	136.1744	2.13810971	39
1	13607U	82100	F	82287.43300222	.00000013	00000-0	99999-4 0	30
2	13607	64.8096		254.0150 0002082	170.8565	139.1204	2.13806871	48
1	13609U	82100	G	82287.32412777	-.00000012	-00000-0	00000 0 0	29
2	13609	62.0849		253.5022 5901594	358.7637	0.1982	4.24649993	37

1	13610U	82100	H	82287.43149812	.00000013	00000-0	99999-4 0	29
2	13610	64.8173	254.0115	0003073	344.5033	15.4645	2.14002769	35
1	13610U	82100	H	82287.43148898	.00000013	00000-0	99999-4 0	33
2	13610	64.8173	254.0117	0002910	340.1368	19.8313	2.14007381	33

82-101 A

Kosmos 1416

1	13611U	82101	A	82287.43948269	-.00000299	00000-0	00000 0 0	10
2	13611	70.3585	203.1220	0108265	65.4183	295.3133	15.98157125	17
1	13611U	82101	A	82287.56466947	-.00000302	00000-0	00000 0 0	29
2	13611	70.3484	202.7323	0111634	65.8709	294.3732	15.97422647	35
1	13611U	82101	A	82287.69000530	-.00000300	00000-0	00000 0 0	33
2	13611	70.3547	202.3723	0111123	65.7619	295.4857	15.97356281	54
1	13611U	82101	A	82288.06575198	-.00000300	00000-0	00000 0 0	43
2	13611	70.3577	201.2915	0111330	65.0321	296.2384	15.97357112	116
1	13611U	82101	A	82288.25362306	-.00000239	00000-0	00000 0 0	51
2	13611	70.3596	200.7373	0035049	67.0432	301.0924	16.07010909	145
1	13611U	82101	A	82288.25362306	-.00000239	00000-0	00000 0 0	62
2	13611	70.3596	200.7373	0035049	67.0432	301.0924	16.07010909	145
1	13611U	82101	A	82289.75029427	.00098302	77531-5	11679-3 0	73
2	13611	70.3572	199.2929	0034945	67.7002	292.7513	16.07063525	224
1	13611U	82101	A	82289.75029427	.00098302	77531-5	11679-3 0	84
2	13611	70.3572	199.2929	0034945	67.7002	292.7513	16.07063525	224
1	13611U	82101	A	82289.31048214	.00117585	96344-5	13844-3 0	94
2	13611	70.3570	197.6587	0034622	66.9308	293.6761	16.07198415	317

1	13511U	82101	A	82290.24401820	.00103483	82909-5	12043-3 0	125
2	13511	70.3556	194.9339	0034287	64.3653	295.4311	16.07374565	465

1	13511U	82101	A	82292.23525171	.00119529	99506-5	13550-3 0	127
2	13511	70.3563	199.1171	0034011	60.7220	299.7961	16.07819949	793

1	13511U	82101	A	82293.23062969	.00136655	12146-4	15224-3 0	133
2	13511	70.3581	186.2085	0034321	52.7795	301.5340	16.03246213	947

1	13511U	82101	A	82295.22101706	.00120516	10252-4	13132-3 0	150
2	13511	70.3599	192.3924	0033467	55.3465	304.3975	16.08452080	1261

1	13511U	82101	A	82298.14349351	.00107728	90965-5	11285-3 0	189
2	13511	70.3561	171.8424	0033040	48.9112	311.4743	16.09104390	1735

1	13511U	82101	A	82299.32457341	.00127460	11539-4	13084-3 0	193
2	13511	70.3547	163.3872	0032841	46.7911	313.6794	16.09403795	1920

1	13511U	82101	A	82300.31995209	.00148210	14049-4	14920-3 0	207
2	13511	70.3538	165.4731	0032175	45.3320	315.1999	16.09717779	2082

1	13511U	82101	A	82301.13895719	.00150255	14455-4	14920-3 0	213
2	13511	70.3530	162.9235	0031666	43.4431	316.8541	16.09959610	2221

1	13511U	82101	A	82301.37527747	.01271599	71882-1	56410-2 0	225
2	13511	70.3590	162.3928	0031623	43.0484	317.5035	16.10799136	2254

1	13533U	82101	C	82301.31314563	.00193006	46011-5	14920-3 0	17
2	13533	70.3555	162.5491	0027455	26.1069	336.4308	16.13938734	2247

82-102A

Kosmos 1417

1	13617U	82102	A	82292.30778730	.00000000E	00000-0	00000 0 0	29
2	13617	82.9655		145.0762 0044193	291.5974	68.0457	13.75900912	15

1	13617U	82102	A	82292.38050827	.00000000E	00000-0	00000 0 0	38
2	13617	82.9653		145.0238 0043263	290.3926	69.2159	13.75662027	28

82-103A

Gorizont 6

1	136240	82103	A	82294.66423624	-.00000249	00000-0	00000 0 0	25
2	13624			0.8371 288.7310	0015111	294.2947	136.8547 1.00405187	27
1	13624U	82103	A	82297.66019930	-.00000175	00000-0	00000 0 0	33
2	13624			0.7910 299.9334	0224375	290.4640	140.4570 1.00190644	48
1	13626U	82103	B	82293.98349679	.02324176	58937-4	44481-3 0	23
2	13626			51.3213 293.1996	0004158	210.7361	149.2742 16.31124957	53
1	13626U	82103	C	82294.16644635	.47571304	50431-4	84356-3 0	55
2	13626			51.5998 282.1305	0004090	36.1095	274.0129 16.47570227	83
1	13629U	82103	D	82294.17725634	-.00000030	00000-0	00000 0 0	14
2	13629			47.4646 284.5245	7259668	359.9040	359.2680 2.27214408	22

82-104A

Kosmos 1418

1	13627U	82104	A	82294.63211748	-.00000270	00000-0	00000 0 0	14
2	13627	50.6699		174.0496 0031538		7.2173	352.6297 15.53419854	03

1	13627U	82104	A	82294.69623771	-.00000270	00000-0	00000 0 0	24
2	13627	50.6703		173.7209 0031441		7.4901	352.6541 15.53425959	13

1	13627U	82104	A	82294.88859397	-.00000270	00000-0	00000 0 0	31
2	13627	50.6721		172.7357 0030805		8.8399	351.3111 15.58474230	45

1	13627U	82104	A	82295.14606742	.00066820	00000-0	10826-2 0	49
2	13627	50.6739		171.4204 0031158		9.4144	350.7604 15.58535772	51

1	13627U	82104	A	82301.17118512	.00048182	00000-0	59483-3 0	142
2	13627	50.6757		140.5235 0030285		35.1659	325.1359 15.59058562	1032

1	13627U	82104	A	82310.91017256	.00051921	00000-0	61504-3 0	267
2	13627	50.6841		90.5386 0030836		71.2729	299.1566 15.60105635	2555

1	13627U	82104	A	82319.91124387	.00043656	00000-0	50433-3 0	354
2	13627	50.6736		44.7936 0029495		106.5364	253.3348 15.60881146	3049

82-105A

RCA-Satcom S

1	13631U	82105	A	82301.30658564	-.00001111	20773-4	99999-4	0	12
2	13631	24.8435		231.8177	7313372	178.2965	197.6375	2.26791065	17
1	13631U	82105	A	82304.32945222	.30000001	00000-0	99999-4	0	49
2	13631	0.1747		253.9616	0069971	330.1657	8.3909	0.98493169	61
1	13631U	82105	A	82305.18441323	.00000067	00000-0	99999-4	0	65
2	13631	0.1684		248.1312	0017888	317.1546	154.6669	0.99270470	75
1	13632U	82105	B	82301.21313870	.00000099	00000-0	00000-0	0	11
2	13632	25.6258		226.6116	2308053	181.1480	178.3707	10.98041415	12

82-106A

DSCS 15 (II)

1	13636U	82106	A	82302.92129196	-.00000107	00000-0	99999-4	0	12
2	13636	2.4982		277.1261 0006334	3.0247	356.6388	1.00107905		06
1	13639U	82106	C	82303.21794402	.00024863	17753-4	74023-4	0	13
2	13639	28.1505		282.4276 7331022	0.6421	359.3424	2.27932509		06
1	13636U	82106	A	82327.79571688	-.00000254	00000-0	00000	0 0	159
2	13636	2.4147		277.0954 0016039	218.9237	141.1944	1.00558257		247

82-107A

Progress 16

1	13638U	82107	A	82304.64973773	-.00008273	57080-4	00000 0 0	10
2	13638	51.5214		218.4600	0045328	95.7293	264.9823 16.21314159	30
1	13638U	82107	A	82304.64973773	-.00009273	57080-4	00000 0 0	21
2	13638	51.6214		219.4600	0045328	95.7293	264.9823 16.21314159	30
1	13638U	82107	A	82304.83532743	-.00000460	00000-0	00000 0 0	37
2	13638	51.6091		217.4586	0056107	139.8058	161.7608 15.35049723	65
1	13638U	82107	A	82305.08932882	-.00000429	00000-0	00000 0 0	49
2	13638	51.6250		216.1444	0048891	187.2227	172.9029 15.82938604	109
1	13638U	82107	A	82305.15245991	.00045639	00000-0	19365-3 0	55
2	13638	51.6251		215.8159	0048827	187.4867	172.5448 15.82954134	119
1	13638U	82107	A	82305.34184712	.00046732	00000-0	19801-3 0	60
2	13638	51.6248		214.8291	0048795	188.2152	171.3067 15.82972771	140
1	13638U	82107	A	82305.59436059	.00045580	00000-0	19901-3 0	72
2	13638	51.6196		213.5369	0050793	193.0443	166.7622 15.82318345	137
1	13638U	82107	A	82305.97344771	.00212035	00000-0	93239-3 0	83
2	13638	51.6229		211.5461	0043891	192.7409	167.2934 15.81937136	245

1	13638U	82107	A	82306.28927998	.00107652	00000-0	47873-3 0	97
2	13638	51.6234	209.9050	0044045	194.0443	165.8812	15.81987546	297

1	13638V	82107	A	82306.73147256	.00007909	00000-0	55330-4 0	104
2	13638	51.6305	207.6261	0006189	104.3339	247.3360	15.70115120	361

1	13638W	82107	A	82308.38777612	.00056956	00000-0	45941-3 0	113
2	13638	51.6207	199.2108	0006408	124.1346	236.4077	15.70288674	628

1	13638X	82107	A	82318.43879382	.00207808	00000-0	15727-2 0	153
2	13638	51.6171	147.8215	0004770	198.8716	170.4243	15.71209705	2201

82-108A

Kosmos 1418

1	13641U	82108	A	82306.45278189	-.00000314	00000-0	00000 0 2	13
2	13641	70.3358		226.8153 0043220		51.2786	299.2772 16.13313390	10

1	13641U	82108	A	82306.73290434	.00851160	57169-5	61228-3 0	29
2	13641	70.3338		225.9028 0043399		50.9779	299.3267 16.13404022	64

1	13641U	82108	A	82307.13472751	.00521201	13611-3	61229-3 0	39
2	13641	70.3398		224.8089 0038540		79.6649	277.7723 16.06841139	127

1	13641U	82108	A	82307.25977035	.01755244	22991-2	21226-2 0	48
2	13641	70.3405		224.4424 0040630		79.9639	281.5254 16.06855988	140

1	13641U	82108	A	82307.44650474	.01554884	16499-2	13806-2 0	57
2	13641	70.3391		223.9985 0038887		90.0730	280.2942 16.06760435	172

1	13641U	82108	A	82307.82004715	.00132006	11269-4	15466-3 0	62
2	13641	70.3354		222.8038 0038753		79.6916	260.3690 16.06925547	237

1	13641U	82108	A	82308.33027879	.00079753	00000-0	90854-4 0	70
2	13641	70.3389		221.1694 0038637		78.4071	282.2047 16.07077525	326

1	13641U	82108	A	82309.43837932	.00124182	10730-4	14226-3	0	87
2	13641	70.3384		218.0808 0038203	76.2069	284.4903	16.07329626		493
1	13641U	82108	A	82310.37124456	.00056494	00000-0	51434-4	0	102
2	13641	70.3390		215.3445 0022545	89.6123	271.9534	16.11613023		646
1	13641U	82108	A	82311.23999274	.00135926	12848-4	12334-3	0	113
2	13641	70.3371		212.7940 0022585	86.5737	274.0987	16.11873665		786
1	13641U	82108	A	82312.10871849	.00085995	57306-5	12334-3	0	123
2	13641	70.3409		210.2436 0069916	73.1238	285.0767	16.00567212		929
1	13641U	82108	A	82312.23417985	.00272117	00000-0	-40373-3	0	133
2	13641	70.3407		209.9808 0070263	73.2435	287.5723	16.00355408		943
1	13641U	82108	A	82312.98426471	.00297938	41050-4	42099-3	0	143
2	13641	70.3383		207.7098 0070442	71.8092	289.3247	16.00576719		1061
1	13641U	82108	A	82313.23419937	.00142896	12225-4	20328-3	0	152
2	13641	70.3409		206.9879 0069837	71.4996	289.3146	16.00611606		1102
1	13641U	82108	A	82314.04660243	.00199672	20183-4	28136-3	0	162
2	13641	70.3409		204.6382 0069433	69.9643	290.6781	16.00772306		1239
1	13641U	82108	A	82314.23410695	.00118852	95008-5	16827-3	0	172
2	13641	70.3416		204.0941 0069184	69.5749	291.2593	16.00791774		1268
1	13641U	82108	A	82315.10890308	.00086394	68472-5	12136-3	0	182
2	13641	70.3439		201.5603 0069598	67.7733	292.8677	16.00915171		1407

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Kosmos 1419

for ts. 1

1	13641U	82108	A	82316.2960677J	.00096188	75757-5	13343-3 0	199
2	13641	70.3439	198.1286	0069105	65.4609	295.4383	16.01149031	1594

1	13641U	82108	A	82316.42095764	.00000871	00000-0	14929-5 0	202
2	13641	70.3525	197.7565	0066993	67.1276	293.7419	16.01948634	1615

1	13641U	82108	A	82317.17032778	.00010646	00000-0	14333-4 0	211
2	13641	70.3399	195.5926	0067153	65.9425	295.1193	16.01997113	1737

1	13641U	82108	A	82317.42005496	.00021113	00000-0	14333-4 0	229
2	13641	70.3388	194.8570	0019495	121.8258	248.0858	16.16196830	1775

1	13641U	82108	A	82319.59426886	.00189561	49987-5	12443-3 0	231
2	13641	70.3401	191.3812	0019269	116.6265	243.6748	16.16595831	1965

1	13641U	82108	A	82319.39863293	.00192458	50756-5	11737-3 0	246
2	13641	70.3386	189.9992	0019051	115.4639	244.8598	16.16275174	2792

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Kosmos 1420

1	13648U	82109	A	82315.31704873	-.00001117	76223-5	00000 0 0	13
2	13648	73.8941		151.6015 0502438	23.5049	338.7866	15.37589609	15
1	13648U	82109	A	82318.60867828	.00002522	00000-0	99999-3 0	113
2	13648	73.9936		145.6188 0021840	337.9370	22.0779	14.29176155	481

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5755

1	13650U	82110	A	82315.56346030	.00000536	00000-0	82243-6 0	11
2	13650	28.4697		69.3780 0004340	275.4995	81.9648	15.91095766	00
1	13650U	82110	A	82315.90902731	.00332750	00000-0	11105-2 0	20
2	13650	28.4684		65.7958 0015632	239.0704	301.1592	15.37925296	73
1	13650U	82110	A	82315.90902731	.00330750	00000-0	11105-2 0	31
2	13650	28.4684		65.7958 0015632	239.0704	301.1592	15.37925296	73
1	13650U	82110	A	82316.25457718	.00336753	00000-0	11105-2 0	40
2	13650	28.4686		63.2200 0015514	239.9303	120.1299	15.88274513	120
1	13650U	82110	A	82316.50584949	.00170570	00000-0	57419-3 0--	59
2	13650	28.4661		61.3460 0015374	245.9893	113.7390	15.88199403	163
1	13650U	82110	A	82316.53935416	.00383580	00000-0	11105-2 0	60
2	13650	28.4679		60.3550 0004456	271.9367	133.6472	15.90905230	186
1	13650U	82110	A	82316.92986064	.00333109	00000-0	11105-2 0	70
2	13650	28.4673		59.1836 0016010	238.3408	33.9242	15.88052708	236
1	13650U	82110	A	82317.25931973	.00237046	00000-0	79375-3 0	85
2	13650	28.4665		55.7306 0016801	240.3163	119.4622	15.99140067	284
1	13650U	82110	A	82318.01315291	.00211753	00000-0	70180-3 0	91
2	13650	28.4672		50.1179 0017156	247.5995	111.3612	15.98333760	51

1	13650U	82110	A	82318.45303619	.00296881	30411-4	70190-3 0	100
2	13650	28.4647		46.8399 0030659	191.2942	169.9916	15.94607060	129

1	13650U	82110	A	82318.57796717	.00489014	94369-4	11596-2 0	113
2	13650	28.4641		45.8669 0029984	193.1985	166.7920	15.94662106	12

1	13650U	82110	A	82319.32796532	.00135094	00000-0	29950-3 0	133
2	13650	28.4572		40.2394 0009001	162.4119	197.3259	15.96939121	610

1	13650U	82110	A	82320.07777683	.00769460	00000-0	15367-2 0	141
2	13650	28.4548		34.5923 0005620	132.2771	227.3229	15.97091371	738

1	13650U	82110	A	82320.26529089	.00306903	00000-0	63934-3 0	150
2	13650	28.4634		33.1695 0007178	168.9121	191.2938	15.97217017	766

1	13650U	82110	A	82320.56860439	.99926758	-16012-3	11105-2 0	162
2	13650	28.4618		30.8842 0215276	128.1180	179.6953	16.47498289	912

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SBS 3

1	13651U	82110	B	82315.87499979	.00000105	00000-0	99999-4 0	30	
2	13651	23.6610		66.1680	7340605	358.9260	358.1760	2.18470227	15
1	13651U	82110	B	82315.87731289	.00000086	00000-0	99999-4 0	42	
2	13651	23.6907		65.4685	7343489	359.7060	359.8157	2.17725537	15
1	13651U	82110	B	82315.87731289	.00000093	00000-0	99999-4 0	53	
2	13651	23.6907		65.4685	7343489	359.7060	359.8157	2.17725537	15
1	13651U	82110	B	82315.87743737	.00000056	00000-0	99999-4 0	62	
2	13651	23.6629		66.1739	7343444	359.2478	359.9076	2.16899146	16
1	13651U	82110	B	82315.87499979	.00000105	00000-0	99999-4 0	29	
2	13651	23.6610		66.1680	7340605	358.9260	358.1760	2.18470227	15
1	13651U	82110	B	82317.26935685	-.00000005	00000-0	99999-4 0	147	
2	13651	0.4907		134.2933	0273792	291.7674	297.4697	0.99047575	32
1	13651U	82110	B	82317.94928127	.00000011	00000-0	99999-4 0	129	
2	13651	0.6041		265.9400	0294637	159.9530	180.0450	0.99215482	40
1	13651U	82110	B	82318.27706213	-.00000023	00000-0	99999-4 0	152	
2	13651	0.4927		134.2802	0273803	291.7975	296.7753	0.99048196	42

1	13551U	82110	B	82319.29046652	.00000011	00000-0	00000 0 0	188
2	13551	0.4219		275.9596	0079598	135.6732	309.1098 1.01478663	42
1	13651U	82110	B	82319.29002312	.00000105	00000-0	99999-4 0	176
2	13651	0.3803		280.6402	0111558	146.8585	293.7091 1.00891775	37
1	13651U	82110	B	82335.07099023	-.00200100	00000-0	99999-4 0	279
2	13651	0.2900		275.0592	0030290	131.5317	313.6769 1.00714255	227

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Telesat 6

1	13652U	82110	C	82316.88274732	.00000100	00000-0	99999-4 0	47
2	13652	23.3500		58.9122 7328050	357.9899	0.1453	2.19938815	14
1	13652U	82110	C	82316.88274732	.00000100	00000-0	99999-4 0	36
2	13652	23.3500		58.9122 7328050	357.9899	0.1453	2.19938815	14
1	13652U	82110	C	82316.88274732	.00000100	00000-0	99999-4 0	25
2	13652	23.3500		58.9122 7328050	357.9899	0.1453	2.19938815	14
1	13652U	82110	C	82316.88274732	.00000100	00000-0	99999-4 0	14
2	13652	23.3500		58.9122 7328050	357.9899	0.1453	2.19938815	03
1	13652U	82110	C	82316.88224734	.00000041	00000-0	99999-4 0	59
2	13652	23.4316		58.8879 7338117	358.1863	0.1243	2.17119618	14
1	13652U	82110	C	82316.89224392	.00000041	00000-0	99999-4 0	60
2	13652	23.4316		58.8879 7338117	358.1863	0.1216	2.17119618	14
1	13652U	82110	C	82319.64823628	-.00088255	00000-0	-90447-1 0	100
2	13652	23.4636		59.0021 7339973	359.7311	3.5987	2.17228012	73
1	13652U	82110	C	82323.19253404	-.00000032	00000-0	00000 0 0	149
2	13652	0.0633		25.7263 0166366	26.6716 309.1015	0.97532057		122

1	136520	82110	C	82329.15187539	.00004013	00200-0	30000 0 0	154	
2	13652	3.0825		277.3439	0003321	324.1393	125.5922	1.00253313	165

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SB5 racket

1	13558U	92110	D	92321.40796764	.00003810	00000-0	37879-2 0	15
2	13659	23.6890		64.2496 7343115	2.6485	359.6612	2.16992377	146

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[Titan 30]

1	13659U	82111	A	82322.05628069	-.00000108	00000-0	00000 0 0	13
2	13659	96.9845		71.6010 0210620	161.8050	199.2314	15.62793430	03
1	13659U	82111	A	82322.05628069	-.00000109	00000-0	00000 0 0	14
2	13659	96.9845		71.6013 0210892	161.8409	199.1982	15.62793798	02
1	13659U	82111	A	82321.92918478	-.00000116	00000-0	00000 0 0	12
2	13659	96.9821		71.4712 0213088	164.3048	196.4956	15.64358995	05
1	13659U	82111	A	82322.05628069	-.00000109	00000-0	00000 0 0	14
2	13659	96.9845		71.6013 0210892	161.8409	199.1982	15.62793798	02
1	13659U	82111	A	82322.31236726	-.00000108	00000-0	00000 0 0	28
2	13659	96.9779		71.8642 0212979	161.4853	199.4542	15.62858279	40
1	13659U	82111	A	82322.44042295	-.00000117	00000-0	00000 0 0	39
2	13659	97.0059		71.9993 0208211	159.2173	203.4639	15.65943337	63
1	13659U	82111	A	82322.82460302	-.00000116	00000-0	00000 0 0	44
2	13659	96.9738		72.3752 0213575	159.4886	202.0533	15.63312194	121
1	13659U	82111	A	82322.82451228	.00314190	29052-4	10102-2 0	50
2	13659	96.9830		72.3685 0212939	159.0961	201.9153	15.63290919	128

1	13659U	82111	A	82323.40055477	.00357652	37550-4	11699-2 0	66
2	13659	95.9828		72.9363 0209209	157.0819	204.1480	15.63742503	219
1	13659U	82111	A	82326.29128339	.00135362	00000-0	91223-3 0	121
2	13659	96.9782		75.7725 0175533	143.0407	218.2455	15.56674303	662

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Kosmos 1421

1	13661U	82112	A	82322.44929017	-.00000309	00000-0	00000 0 0	10
2	13661	70.3413		241.3565 0039844	64.0577	296.4799	16.14224967	19

1	13661U	82112	A	82322.82110698	-.00000317	00000-0	00000 0 0	29
2	13661	70.3445		240.2654 0040110	63.6313	296.9424	16.14256526	74

1	13661U	82112	A	82322.88306609	.00111814	00000-0	77254-4 0	30
2	13661	70.3426		240.0769 0039841	64.2484	296.2869	16.14309843	80

1	13661U	82112	A	82323.13151927	.00067413	00000-0	73999-4 0	42
2	13661	70.3477		239.3470 0038582	84.7312	275.9304	16.06698232	120

1	13661U	82112	A	82323.38056255	.00085692	00000-0	99999-4 0	50
2	13661	70.3443		238.6159 0039502	81.0227	279.5424	16.06701357	163

1	13661U	82112	A	82324.25215514	.00116312	96495-5	13700-3 0	60
2	13661	70.3433		236.0724 0036370	80.5423	280.0774	16.06898651	307

1	13661U	82112	A	82326.19140145	.00126138	11693-4	11485-3 0	83
2	13661	70.3460		230.4389 0024384	97.7549	262.6266	16.11705712	613

1	13661U	82112	A	82326.24347413	.00512818	14203-3	46598-3 0	95
2	13661	70.3463		230.2530 0025056	96.1802	264.2186	16.11550145	628
1	13661U	82112	A	82326.99818502	.00264959	38786-4	23699-3 0	110
2	13661	70.3425		229.0645 0024487	96.6841	263.4492	16.11926247	746
1	13661U	82112	A	82327.29850475	.00158839	16240-4	14167-3 0	122
2	13661	70.3434		227.1523 0024373	95.8974	264.4460	16.12006482	798
1	13661U	82112	A	82328.10516242	.00132149	11823-4	14167-3 0	133
2	13661	70.3475		224.7800 0041301	36.4178	273.1568	16.08051469	924
1	13661U	82112	A	82328.22975272	.00132648	12024-4	14167-3 0	147
2	13661	70.3485		224.4121 0040713	86.3392	274.3223	16.08153440	944
1	13661U	82112	A	82329.41148582	.00176765	18331-4	18398-3 0	156
2	13661	70.3459		227.9597 0040416	84.4309	276.2151	16.08538469	1132
1	13661U	82112	A	82332.20937322	.00120536	10808-4	12090-3 0	182
2	13661	70.3462		212.7719 0039907	78.9826	281.2590	16.09177620	1588
1	13661U	82112	A	82333.26613022	.00146620	14150-4	14463-3 0	191
2	13661	70.3454		209.6794 0039351	76.2374	284.2810	16.09444730	1756
1	13661U	82112	A	82333.76334264	.00147022	14365-4	14463-3 0	202
2	13661	70.3423		208.2184 0039949	74.7173	285.7361	16.09523468	1833

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Stationar-Raduga 11

1	13669U	82113	A	82330.36750641	-.00000033	00000-0	00000 0 0	29
2	13669	1.1721		292.9474 0187947	280.5126	78.7859	0.97872109	14

1	13669U	82113	A	82330.35369945	-.00000035	00000-0	00000 0 0	35
2	13669	1.1721		292.9475 0187947	280.5125	77.4446	0.97300774	13

1	13669U	82113	A	82335.50335703	.00000033	00000-0	00000 0 0	49
2	13669	2.5122		310.0751 0190488	349.5047	9.1257	0.99877707	61

1	13669U	82113	A	82339.55159989	.00000179	00000-0	00000 0 0	51
2	13669	1.2246		293.3661 0002949	70.6332	300.9608	1.00259790	104

1	13670U	82113	B	82330.83004548	.25514543	58398-4	45151-2 0	29
2	13670	51.6032		286.6028 0005044	103.9468	256.2111	16.31872533	43

1	13670U	82113	B	82331.13524915	.57000804	60832-4	15011-2 0	32
2	13670	51.5985		284.8829 0001590	230.3207	129.7214	16.45896479	99

1	13671U	82113	C	82330.82979534	-.00008496	58765-4	00000 0 0	12
2	13671	51.6030		286.5850	0005736	218.6073	141.5036 16.31021433	34

1	13671U	82113	C	82331.31940690	.03500034	58721-4	47602-3 0	32
2	13671	51.6150		283.8475	0004451	267.2823	92.9558 16.34476090	120

1	13675U	82113	D	82341.02574360	.00004023	00000-0	17498-2 0	61
2	13675	47.2877		284.8863	7324826	2.5901	359.6410 2.21619915	247

1	13676U	82113	E	82341.04303390	.00002262	00000-0	24999-2 0	42
2	13676	47.3598		284.9101	7304725	2.5963	359.5903 2.21223193	249

1	13676U	82113	E	82335.16350431	.00002116	00000-0	24999-2 0	11
2	13676	47.3808		286.4687	7303051	1.1027	357.4326 2.21198861	116

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Kosmos 1422

1	13677U	82114A	82337.55378796	-.00001452	11348-4	00000-0 0	00011
2	13677	72.8470	256.5710	0069229	92.0443	268.8665	16.11985630 11
1	13677U	82114A	82337.67791526	-.00001029	11348-4	00000-0 0	00025
2	13677	72.8468	256.2512	0069599	91.4856	269.4299	16.11941418 35
1	13677U	82114 A	82337.86410543	-.00001714	11771-4	00000 0 0	12
2	13677	72.8557	255.7840	0071677	93.1097	267.8486	16.11955203 136
1	13677U	82114 A	82338.05029194	-.00001720	11962-4	00000 0 0	22
2	13677	72.8679	255.3047	0069637	92.7199	269.2658	16.12010623 164
1	13677U	82114 A	82338.29852430	.00155359	12136-4	97886-4 0	41
2	13677	72.8544	254.6490	0069641	90.3718	270.6629	16.12173113 209
1	13677U	82114 A	82338.42260944	.00104636	72414-5	12548-3 0	59
2	13677	72.8469	254.3307	0045950	77.4674	291.7594	16.05963894 157
1	13677U	82114 A	82338.48466405	.00078110	00000-0	92365-4 0	66
2	13677	72.8519	254.1740	0045657	77.7450	280.0910	16.05934420 169
1	13677U	82114 A	82338.85890597	.00272327	35905-4	32244-3 0	72
2	13677	72.8498	253.2154	0046117	77.8953	282.7533	16.06079355 221

1	136770	82114	A	82339.17033484	.00282777	38656-4	33120-3	0	83
2	13677	72.8518		252.4215 0045947	77.2546	233.3894	16.06259664		279
1	136770	82114	A	82339.50627903	.00223005	24931-4	25975-3	0	94
2	13677	72.8510		251.3078 0045701	75.6162	294.9328	16.06433770		349
1	136770	82114	A	82339.85538847	.00223320	24897-4	25975-3	0	103
2	13677	72.8501		250.6699 0045280	75.4955	285.0903	16.06495230		384
1	136770	82114	A	82340.10448114	.00110043	77595-5	12724-3	0	112
2	13677	72.8516		250.0353 0045141	75.8720	284.7641	16.06587516		420
1	136770	82114	A	82340.16674896	.00111077	78548-5	12724-3	0	123
2	13677	72.8518		249.8752 0045056	74.5556	296.0612	16.06648260		436
1	136770	82114	A	82340.29128571	.00204467	21207-4	23417-3	0	138
2	13677	72.8524		249.5557 0045150	74.7438	295.3944	16.06685709		456
1	136770	82114	A	82340.85153893	.00111428	80686-5	12719-3	0	141
2	13677	72.8503		249.1248 0044650	72.8316	237.6934	16.06832264		542
1	136770	82114	A	82341.28746483	.00225785	25726-4	25318-3	0	156
2	13677	72.8507		247.0074 0044331	72.5723	288.2050	16.07079730		612
1	136770	82114	A	82343.34104156	.00274338	37574-4	28939-3	0	176
2	13677	72.8479		241.7490 0042939	67.7578	292.5532	16.08115147		942
1	136770	82114	A	82343.90093173	.00276445	38789-4	28939-3	0	187
2	13677	72.8474		240.3151 0042628	65.2787	295.1574	16.08363244		1035
1	136770	82114	A	82344.21194562	.00228616	26885-4	23598-3	0	192
2	13677	72.8485		239.5153 0042283	65.1583	295.4013	16.08504756		1080

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1	13677U	82114	A	82345.14475829	.20270078	26851-5	25950-3 0	202
2	13677	72.3476		237.1217 3041592	52.9712	297.7135	16.09043121	1235
1	13677U	82114	A	82345.20690958	.00324592	27579-5	32292-3 0	217
2	13677	72.3490		235.9613 0041478	63.1997	297.3651	15.09099503	1241
1	13677U	82114	A	82345.39371493	.00330003	27253-5	32292-3 7	223
2	13677	72.3536		235.2047 3040794	52.3343	297.3345	16.09403575	1357
1	13677U	82114	A	82345.20161059	.00199024	26874-5	19648-3 0	233
2	13677	72.3467		234.4092 0039611	50.9351	299.6024	16.09403312	1406
1	13677U	82114	A	82347.32035142	.00146650	27676-5	14110-3 0	243
2	13677	72.3479		231.5344 0041025	59.3036	301.6916	16.09673771	1592
1	13677U	82114	A	82349.13463652	.00141322	27555-5	13178-3 0	263
2	13677	72.3502		226.7426 0040434	53.5246	306.9814	16.10190339	1093
1	13677U	82114	A	82350.30293510	.00142923	28859-5	13047-3 0	279
2	13677	72.3506		223.8678 0040332	50.7558	309.7207	16.10501202	2067

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Kosmos 1423

1	13685U	82115	A	82343.22119795	.04626094	00000-0	78597-1 0	18
2	13685	62.8428	314.7018	0142792	349.5788	10.0369	15.28442150	87

1	13685U	82115	A	82343.74378792	.08343454	00000-0	84809-1 0	23
2	13685	62.8551	312.7840	0169991	350.8680	8.9965	15.33241930	166

1	13685U	82115	A	82344.26473266	.06258249	00000-0	84809-1 0	39
2	13685	62.8327	311.0466	0092802	0.8943	356.7921	15.35960815	241

1	13685U	82115	B	82342.56790507	-.00000447	00000-0	00000 0 0	07
2	13686	62.9496	316.3789	0143321	56.2493	305.2204	15.79840844	00

1	13692U	82115	C	82342.75725055	.50381677	10553-4	78598-1 0	11
2	13692	62.6846	315.7292	0190999	95.0537	260.0639	15.77866642	31

1	13693U	82115	D	82343.09010246	.03956913	00000-0	78597-1 0	30
2	13693	62.3197	315.2224	0126572	345.4356	13.5662	15.26949176	67

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Meteor 2-9

1	137197	82116	A	82349.07006740	.300000005	00000-0	00000 0 0	.16
2	13719	81.2539		84.7554 0054102	275.3407	34.1607	14.12449925	19
1	13719U	82116	A	82349.21174418	.300000005	00000-0	00000 0 0	20
2	13719	81.2498		84.6150 0055595	275.4857	34.1185	14.12678447	39
1	13719U	82116	A	82349.21172055	.300000005	00000-0	00000 0 0	35
2	13719	81.2493		84.6150 0055595	275.4853	33.9980	14.12675452	33
1	13719U	82116	A	82349.35337467	.300000005	00000-0	00000 0 0	43
2	13719	81.2463		84.4740 0055599	274.7493	34.7339	14.12676453	59
1	13719U	82116	A	82349.70750668	.30015597	00000-0	83243-2 0	51
2	13719	81.2480		84.1299 0055649	273.7848	85.6974	14.12695798	107
1	13719U	82116	A	82350.69903044	.30005010	00000-0	31890-2 0	87
2	13719	81.2475		83.1538 0055715	270.9306	98.5009	14.12692104	255
1	13719U	82116	A	82354.24040512	.300000979	00000-0	51531-3 0	127
2	13719	81.2480		79.6994 0055870	260.6088	98.8797	14.12694731	752

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1	13725U	82117	A	82350.47335880	-.00004974	34410-4	00000 0 0	17
2	13725	64.9007	270.4381	0134373	63.6465	296.5505	16.04910145	15
1	13725U	82117	A	82350.72293652	.00690973	34053-4	29130-3 0	25
2	13725	64.8987	269.5169	0133541	63.6163	297.9982	16.05207009	31
1	13725U	82117	A	82354.26750196	.00923514	34476-4	29334-3 0	91
2	13725	64.8924	256.4307	0116934	62.9426	298.4224	16.11259430	624
1	13725U	82117	A	82355.26000047	.00986339	34924-4	27630-3 0	96
2	13725	64.8913	252.7454	0111655	62.6408	298.5562	16.13154404	786
1	13725U	82117	A	82352.21696822	.00952328	34221-4	34832-3 0	45
2	13725	64.8932	264.0133	0126485	63.3123	299.2790	16.07719453	291
1	13725U	82117	A	82353.02519787	.00862597	34600-4	29484-3 0	55
2	13725	64.8926	261.0290	0122993	63.2013	297.6984	16.09019992	425

1	13725U	92117	A	92355.50795028	.00933650	34537-4	25825-3 0	130
2	13725	64.8893		251.8265 0110104	62.3671	298.8200	16.13579656	827
1	13725U	92117	A	92356.12751498	.00729341	34815-4	25825-3 0	152
2	13725	64.8929		249.5179 0102457	66.7387	293.4611	16.12662751	924
1	13725U	92117	A	92356.37518108	.00720419	34899-4	25212-3 0	181
2	13725	64.3888		248.5961 0101148	66.6917	291.4270	16.13040667	061
1	13725U	92117	A	92362.26693307	.00777744	34365-4	23607-3 0	279
2	13725	64.8840		226.6984 0126997	74.0900	287.4022	16.09348502	1915
1	13725U	92117	A	92363.26054119	.00910458	34876-4	24603-3 0	299
2	13725	64.3829		223.0158 0122635	74.1201	287.2595	16.11291121	2074
1	13725U	92117	A	92357.24329942	.00849536	34852-4	27801-3 0	192
2	13725	64.8899		245.3625 0096820	66.5258	294.6230	16.14509379	1101
1	13725U	92117	A	92359.22335355	.00931665	35127-4	24656-3 0	217
2	13725	64.8380		237.9673 0098429	65.9596	295.2986	16.13121197	1425
1	13725U	92117	A	92359.77937675	.00990895	35282-4	24656-3 0	222
2	13725	64.8822		235.3815 0085711	66.1913	294.3538	16.19199193	1515
1	13725U	92117	A	92350.96463922	.00697390	34341-4	24656-3 0	232
2	13725	64.8942		235.1935 0136571	76.5017	282.2368	16.05967917	1542
1	13725U	92117	A	92350.21420057	.00657303	34641-4	22490-3 0	242
2	13725	64.8870		234.2755 0137206	75.1527	286.3087	16.06153590	1591

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1	13725U	82117	A	82361.03562272	.00790564	34118-4	25238-3	0	253
2	13725	64.8866		231.0604 0133201	74.8804	286.9505	16.07494626		1725
1	13725U	82117	A	82361.27220147	.00789948	34373-4	25250-3	0	259
2	13725	64.8827		230.3704 0132288	74.8108	286.7524	16.07788273		1753
1	13259U	82 55	A	83 4.16275946	.00101498	00000-0	11126 0 0		2977
2	13259	65.8398		334.8626 0019982	233.3923	126.2245	13.71025053		23999
1	13725U	82117	A	82364.37878407	.00884301	34214-4	25342-3	0	330
2	13725	64.8853		219.8776 0135677	78.7865	282.7925	16.08088673		2254
1	13725U	82117	A	83 1.24257022	.01163487	34877-4	28462-3	0	352
2	13725	64.8834		211.9818 0125611	78.1754	283.5823	16.11560174		2555
1	13725U	82117	A	83 2.11087589	.00639178	34887-4	14215-3	0	376
2	13725	64.8827		208.7526 0121748	77.8940	283.8285	16.13208672		2694
1	13725U	82117	A	83 2.23481260	.00938327	34715-4	19633-3	0	381
2	13725	64.8837		208.2890 0121412	77.9021	283.6212	16.13512938		2715
1	13725U	82117	A	83 2.79244708	.01037873	35239-4	20503-3	0	394
2	13725	64.8841		206.2167 0116908	78.1554	283.6536	16.14757084		2806

1	13725U	82117	A	83	3.22578881	.01108942	35026-4	20147-3	0	400
2	13725	64.8825	204.5987	0113933	78.1405	283.3776	16.15761165			2975
1	13725U	82117	A	83	4.33888037	.01396722	35395-4	20045-3	0	412
2	13725	64.8885	200.4233	0105121	78.0248	283.4235	16.18704798			3059
1	13725U	82117	A	83	5.07975567	.00506646	34328-4	20045-3	0	423
2	13725	64.8777	197.6937	0121234	120.9027	220.0745	16.07970798			3179
1	13725U	82117	A	83	5.33204510	.00647886	33918-4	25587-3	0	438
2	13725	64.8830	196.7494	0119418	119.9791	241.3711	16.08323629			3215
1	13725U	82117	A	83	6.01581945	.00604508	34907-4	22354-3	0	454
2	13725	64.8810	194.2216	0116819	119.6732	241.5988	16.09277685			3323
1	13725U	82117	A	83	8.49875665	.00777144	35038-4	24908-3	0	479
2	13725	64.8813	185.0143	0105627	118.2888	243.0932	16.13057293			3721
1	13725U	82117	A	83	8.80866936	.00876363	34979-4	24908-3	0	481
2	13725	64.8824	183.8578	0089345	116.2721	246.2999	16.17270102			3776
1	13725U	82117	A	83	9.24116077	.00940399	34966-4	25802-3	0	496
2	13725	64.8799	182.2396	0086644	116.5847	244.5010	16.18098406			3040
1	13725U	82117	A	83	10.10598182	.01124982	35530-4	27753-3	0	505
2	13725	64.8791	178.9967	0081898	116.0346	245.2022	16.19962924			3983
1	13725U	82117	A	83	10.29111281	.01128851	35419-4	27154-3	0	523
2	13725	64.8797	178.3025	0080860	115.9567	244.9904	16.20396747			4015
1	13725U	82117	A	83	10.59963435	.02174770	35546-4	48619-3	0	530
2	13725	64.8776	177.1343	0078192	115.8446	245.4209	16.21527405			4069

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1	13725U	82117	A	83	10.90791727	.01290493	35015-4	27222-3	0	547
2	13725	64.8787			175.9855	0076329	115.7161	244.9062	16.22408919	4114
1	13725U	82117	A	83	13.32635884	.00774327	34559-4	27129-3	0	604
2	13725	64.8775			163.9919	0121907	140.1333	220.9815	16.09008059	4501
1	13725U	82117	A	83	14.32033526	.00900318	34558-4	30111-3	0	615
2	13725	64.8901			163.3119	0116414	139.7588	221.2459	15.10033030	4662
1	13725U	82117	A	83	14.69280370	.00791515	34630-4	25179-3	0	624
2	13725	64.8799			161.9316	0115596	139.5614	221.3078	15.11198441	4727
1	13725U	82117	A	83	15.06517717	.00798949	34749-4	25179-3	0	634
2	13725	64.8760			160.5493	0112566	139.4137	221.5841	16.11872971	4784
1	13725U	82117	A	83	15.25126881	.00841186	34667-4	26024-3	0	645
2	13725	64.8778			159.8572	0111797	139.3575	221.6164	16.12197750	4810
1	13725U	82117	A	83	15.56137320	.00876978	34926-4	26527-3	0	653
2	13725	64.8734			158.7059	0109931	139.0750	221.9366	16.12775286	4867
1	13725U	82117	A	83	15.74737132	.01531090	34798-4	26527-3	0	662
2	13725	64.8790			158.0233	0112547	216.4337	139.8076	16.16260493	4895
1	13725U	82117	A	83	15.87165548	.01481674	34929-4	26499-3	0	679
2	13725	64.8785			157.5605	0111772	215.8436	143.4623	16.16305919	4913

1 13725U 82117 A 83 15.87133313 .00110230 85490-5 31757-3 0 595
2 13725 64.8762 157.5523 0108587 139.0891 220.1279 15.83612460 4914

1 13725U 82117 A 83 16.11921800 .01817184 34824-4 31767-3 0 697
2 13725 64.8792 156.6299 0108914 215.4123 144.5487 16.17036742 4953

1 13725U 82117 A 83 16.24291365 .01306032 34883-4 21856-3 0 717
2 13725 64.8782 156.1679 0108930 216.3024 143.3930 16.17237876 4976

1 13725U 82117 A 83 16.55192965 .01131064 35266-4 17195-3 0 727
2 13725 64.8809 155.0160 0107514 215.3627 143.9909 16.17932252 5026

1 13725U 82117 A 83 16.86093538 .01396617 35350-4 18743-3 0 738
2 13725 64.8773 153.8540 0105375 215.2298 144.4274 16.18904345 5070

1 13725U 82117 A 83 17.23142956 .01474180 35587-4 18743-3 0 745
2 13725 64.8757 152.4597 0101733 216.3087 143.4223 16.19974511 5136

1 13725U 82117 A 83 18.52630986 .01483043 35612-4 13502-3 0 758
2 13725 64.8738 147.5778 0090051 215.2067 144.5113 16.23843548 5343

1 13725U 82117 A 83 18.83844931 .00286453 34507-4 13502-3 0 779
2 13725 64.8742 146.4391 0125230 139.7155 220.7059 16.25454681 5391

1 13725U 82117 A 83 18.95314332 .00287367 33947-4 13502-3 0 789
2 13725 64.8752 145.3733 0125026 139.6679 221.3923 16.05536300 5410

1 13725U 82117 A 83 19.21228435 .00478464 34131-4 22546-3 0 795
2 13725 64.8727 145.0628 0122433 139.7739 221.4699 16.05941191 5457

1 13725U 82117 A 83 19.71035971 .03876194 34159-4 17129-2 0 819
2 13725 64.8726 143.2276 0121827 140.2186 220.9566 16.06637043 5530

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forts. 3

1	13725U	82117	A	83	19.77256797	.03833116	34101-4	17129-2 0	821
2	13725	64.8719	142.9960	0121054	140.1997	220.7483	16.06671446	5541	
1	13725U	82117	A	83	20.14570658	.00626013	34333-4	27345-3 0	843
2	13725	64.8729	141.6194	0120236	139.6116	219.7062	16.07126579	5600	

1	13725U	82117	A	83	22.32210671	.00617041	34391-4	24354-3 0	882
2	13725	64.8691	133.5779	0111446	138.5806	222.4480	16.09879682	5953	
1	13725U	82117	A	83	22.75686958	.00715838	34842-4	27461-3 0	898
2	13725	64.8716	131.9659	0109696	137.9757	223.0517	16.10527854	6221	

1	13725U	82117	A	83	23.31558842	.00644006	34879-4	23942-3 0	909
2	13725	64.8729	129.8934	0107616	137.7974	223.0362	16.11215783	6113	

1	13725U	82117	A	83	24.24620781	.01056578	34276-4	35868-3 0	920
2	13725	64.8704	126.4383	0101750	136.7518	224.2457	16.12933874	6265	

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DMS

1	13736U	82118	A	82355.20141195	-.00000020	00000-0	00000 0 0	11
2	13736	98.7000		0.0000 0001000	359.9999	0.1182	14.30000000	00
1	13736U	82118	A	82355.57523040	-.00000019	00000-0	00000 0 0	02
2	13736	98.7200		182.9587 0008196	279.9900	80.0352	14.21452922	75
1	13736U	82118	A	82356.06796285	-.00000019	00000-0	00000 0 0	22
2	13736	99.7224		183.4450 0008301	281.3605	78.6553	14.21448057	141

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1	13739U	82119	A	82357.87858176	-.00000257	00000-0	00000 0 0	39
2	13739	69.9612	270.1352	0091456	67.2453	293.8532	15.94828964	97

1	13739U	82119	A	82358.19437199	.00013694	00000-0	13756-3 0	59
2	13739	69.9699	269.2456	0051510	214.6923	144.2587	15.62296288	141

1	13739U	82119	A	82357.93890004	.00018926	00000-0	20263-3 0	63
2	13739	69.9543	269.9690	0051383	213.7927	146.0430	15.62170904	95

1	13739U	82119	A	82357.93890004	.00018926	00000-0	20263-3 0	74
2	13739	69.9543	269.9690	0051383	213.7927	146.0430	15.62170904	95

1	13739U	82119	A	82358.45115139	-.00060335	00000-0	-64747-3 0	91
2	13739	69.9706	268.5312	0049929	214.6123	145.2453	15.62248842	175

1	13739U	82119	A	82358.64323044	.00035978	00000-0	38099-3 0	104
2	13739	69.9683		267.9959 0051009	214.3732	145.4625	15.62285136	204

1	13739U	82119	A	82360.24390875	.00001787	00000-0	20025-4 0	123
2	13739	69.9691		263.5396 0051167	210.8381	148.9166	15.62277740	456

1	13739U	82119	A	82362.22881108	.00001475	00000-0	16729-4 0	149
2	13739	69.9684		258.0128 0051215	207.3819	151.9402	15.62295433	766

1	13739U	82119	A	82363.25326455	.00005944	00000-0	63817-4 0	158
2	13739	69.9681		255.1625 0051193	206.4395	153.4302	15.62297850	922

1	13739U	82119	A	82364.40575502	.00005032	00000-0	54201-4 0	161
2	13739	69.9694		251.9539 0051129	204.3859	155.4533	15.62304054	1109

1	13739U	82119	A	83 1.19852634	.00066421	00000-0	69721-3 0	133
2	13739	69.9640		246.9625 0051629	203.3986	156.5057	15.62315042	1387

1	13739U	82119	A	93 2.28693049	.00010465	00000-0	11260-3 0	190
2	13739	69.9677		243.9298 0051081	199.1777	160.3956	15.62315507	1558

1	13739U	82119	A	93 3.31141719	.00031340	00000-0	33223-3 0	207
2	13739	69.9680		241.0769 0050284	197.3406	162.0594	15.62340015	1719

1	13739U	82119	A	83 4.33581255	.00021780	00000-0	23177-3 0	214
2	13739	69.9681		233.2283 0050299	196.7992	162.9633	15.62345352	1872

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forts. 1

1	13739U	82119	A	83	5.36028473	.00003373	00000-0	36775-4 0	235
2	13739	69.9687	235.3758	0050308	194.4484	165.5273	15.62325610	2036	

1	13739U	82119	A	83	5.61639075	.00002300	00000-0	25443-4 0	244
2	13739	69.9684	234.6630	0050371	193.9614	166.0184	15.62325601	2076	

1	13739U	82119	A	83	5.61639076	.00002300	00000-0	25443-4 0	255
2	13739	69.9684	234.6630	0050371	193.9614	166.0184	15.62325601	2076	

1	13739U	82119	A	83	6.00048193	.00004533	00000-0	49012-4 2	264
2	13739	69.9684	233.5935	0050236	193.6058	166.0007	15.62331604	2132	

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1	13745U	82120	A	82362.80511439	-.00000935	00000-0	00000 0 0	27
2	13745	50.6348		281.7697 0138029	81.0812	280.7138	15.93617542	69

1	13745U	82120	A	82362.99194486	-.00000926	00000-0	00000 0 0	37
2	13745	50.5335		280.7580 0115719	88.2857	273.1998	15.98345433	21

1	13745U	82120	A	82363.11696880	-.00000926	00000-0	00000 0 0	48
2	13745	50.5344		280.0645 0115446	87.4837	273.9581	15.98439025	41

1	13745U	82120	A	82363.24199234	.00444088	17960-4	42543-3 0	53
2	13745	50.5344		279.3818 0115134	38.1501	273.3272	15.98612327	65

1	13745U	82120	B	82352.80403722	.01142379	16491-4	11351-2 0	21
2	13745	50.5291		281.8183 0102730	89.0432	272.2394	16.00203661	65

1 13745U 82120 A 82364.24180491 .00398627 18182-4 37524-3 0 67
2 13745 50.5342 273.9237 0112077 92.8109 269.3352 15.99396123 223

1 13745U 82120 A 82364.24180491 .00398627 18182-4 37524-3 0 73
2 13745 50.5342 273.9237 0112077 92.8109 269.3352 15.99396123 289

1 13745U 82120 A 83 1.11530562 .00514735 18899-4 45516-3 0 98
2 13745 50.5325 263.6866 0108337 101.0794 260.2660 15.00825036 589

1 13745U 82120 A 83 1.99892952 .00380458 54480-4 32807-3 0 109
2 13745 50.5353 258.9044 0107253 104.9545 255.8893 16.01481078 726

1 13745U 82120 A 83 2.23856861 .00322800 54824-4 27718-3 0 110
2 13745 50.5327 257.5365 0107011 106.5521 254.6996 16.01623975 761

1 13745U 82120 A 83 3.23651177 .00398443 54546-4 33019-3 0 134
2 13745 50.5293 252.0649 0104435 110.6289 250.6112 16.02461971 922

1 13736U 82118 A 83 6.91398865 .03581230 54915-4 13943-2 0 113
2 13736 50.4639 231.3842 0154123 139.4980 135.3571 16.00957005 1462

1 13745U 82120 A 83 2.92475060 .00374413 54632-4 31479-3 0 129
2 13745 50.5251 253.7754 0104977 109.1507 252.3521 15.02202040 977

1 13745U 82120 A 83 3.54867151 .00323323 16570-4 33019-3 0 140
2 13745 50.5335 250.3625 0109922 103.4939 257.4616 15.98736301 973

1 13745U 82120 A 83 4.42359935 .00315795 16963-4 31733-3 0 150
2 13745 50.5311 245.5842 0107901 107.3864 253.9017 15.99302952 1119

1 13745U 82120 A 83 5.33061396 .00329553 17056-4 32132-3 0 163
2 13745 50.5305 240.4630 0106467 111.5630 249.7675 15.99941970 1263

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Kosmos 1426 parts.1

1	13745U	82120	A	83	6.04752917	.00343852	17596-4	32725-3	0	195
2	13745	50.5309			236.7051	0105382	114.6547	246.8529	16.00440323	1375
1	13736U	82118	A	83	6.01399865	.03591230	54915-4	13943-2	0	124
2	13736	50.4639			231.3342	0154123	139.4980	135.3571	16.00957006	1462
1	13745U	82120	A	83	7.29582964	.00356328	17809-4	32506-3	0	194
2	13745	50.5301			229.8751	0103196	119.8030	241.3308	16.01321764	1575
1	13745U	82120	A	83	8.48111574	.00362313	18218-4	31993-3	0	203
2	13745	50.5317			223.3788	0100779	125.2471	235.8270	16.02190333	1766
1	13745U	82120	A	83	8.79292031	.00452237	18491-4	39315-3	0	215
2	13745	50.5292			221.5716	0100158	126.7005	234.3740	16.02466655	1910
1	13745U	82120	A	83	9.10466134	.00411495	18774-4	35360-3	0	220
2	13745	50.5288			219.9528	0099609	127.9555	233.0333	16.02722839	1965
1	13745U	82120	A	83	9.35402996	.00349325	16097-4	35360-3	0	232
2	13745	50.5239			218.5994	0100306	122.7363	237.1987	16.00474742	1900
1	13745U	82120	A	83	10.29053129	.00390209	15422-4	38574-3	0	247
2	13745	50.5296			213.4698	0097348	127.2287	233.7928	16.01182977	2050
1	13745U	82120	A	83	10.91448656	.00503352	16513-4	48129-3	0	253
2	13745	50.5280			210.0519	0096217	130.1094	231.1090	16.01862095	2155

1 13745U 82120 A 83 13.34588979 .00362027 17701-4 31952-3 0 284
2 13745 50.5270 196.7077 0092074 140.7537 219.9932 16.03642657 2543

1 13745U 82120 A 83 14.29030842 .00371254 17793-4 31976-3 0 293
2 13745 50.5255 191.5747 0089596 144.5710 216.1353 16.04358395 2690

1 13745U 82120 A 83 15.15205753 .00304857 15805-4 31456-3 0 306
2 13745 50.5250 186.7875 0098336 138.8550 219.6268 16.00565287 2837

1 13745U 82120 A 83 15.27738406 .00402506 15476-4 42528-3 0 312
2 13745 50.5263 186.0988 0100474 138.2980 222.5757 15.99845945 2854

1 13745U 82120 A 83 15.52719733 .00253759 15610-4 25737-3 0 321
2 13745 50.5228 184.7303 0100502 139.3354 221.4866 15.99960466 2899

1 13745U 82120 A 83 15.77700583 .00340199 15738-4 35276-3 0 336
2 13745 50.5269 183.3671 0100147 140.6499 220.2531 16.00190520 2936

1 13745U 82120 A 83 16.27649537 .00348186 15900-4 35469-3 0 343
2 13745 50.5270 180.6343 0099418 142.8011 213.0074 16.00536630 3010

1 13745U 82120 A 83 17.21276014 .00369147 15970-4 36581-3 0 358
2 13745 50.5277 176.5104 0097435 146.9159 213.8320 16.01224554 3163

1 13745U 82120 A 83 19.27112595 .00339408 16876-4 31807-3 0 370
2 13745 50.5267 164.2282 0093047 155.7326 204.9069 16.02702757 3496

1 13745U 82120 A 83 19.83217437 .00391688 16967-4 35743-3 0 397
2 13745 50.5278 161.1483 0092434 158.4065 202.1325 16.03130922 3582

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Kosmos 1426 parts.2

1	13745U	32120	A	33	20.33074097	.00347344	17304-4	31240-3	0	403
2	13745	50.5283			158.4078	0091718	160.5010	199.3594	16.03453178	3660
1	13745U	32120	A	33	21.14094514	.00290722	14623-4	31240-3	0	419
2	13745	50.5296			153.9629	0089922	156.6448	203.9655	16.01365046	3799
1	13745U	32120	A	33	21.26573927	.00328523	14554-4	35226-3	0	424
2	13745	50.5277			153.2778	0089337	157.5864	202.9211	16.01463794	3816
1	13745U	32120	A	33	21.62722130	.00346128	14588-4	36732-3	0	435
2	13745	50.5272			157.1998	0088003	159.9410	200.4197	16.01605313	3907
1	13745U	32120	A	33	22.32623205	.00295360	14743-4	29689-3	0	446
2	13745	50.5270			147.4619	0088353	162.2838	198.0015	16.02057910	3985
1	13745U	32120	A	33	22.51335151	.00255103	15049-4	26740-3	0	457
2	13745	50.5262			143.4364	0087673	162.9657	197.4044	16.02140022	4010
1	13745U	32120	A	33	23.32404522	.00318838	14875-4	32340-3	0	469
2	13745	50.5289			141.9929	0086484	166.7937	193.7299	16.02675635	4144
1	13745U	32120	A	33	24.25904455	.00392962	15315-4	38445-3	0	475
2	13745	50.5271			136.3592	0084593	170.4084	190.1115	16.03427930	4297

1 13745U 82120 A 83 24.75748272 .00496303 15300-4 47321-3 0 480
2 13745 50.5268 134.1185 0083226 173.2111 187.1372 16.03957926 4579

1 13745U 82120 A 83 25.25577498 .00440377 15994-4 41132-3 0 495
2 13745 50.5215 131.3805 0082451 175.3479 184.3010 16.04339631 4450

1 13745U 82120 A 83 26.18975967 .00509431 15129-4 45981-3 0 505
2 13745 50.5250 126.2426 0080616 179.4214 190.3462 16.05063326 4602

1 13745U 82120 A 83 25.25200416 .00358120 16215-4 32411-3 0 513
2 13745 50.5253 125.8948 0080816 179.7997 179.9113 16.05071402 4619

1 13745U 82120 A 83 27.24791703 .00349018 16527-4 30604-3 0 527
2 13745 50.5253 120.4127 0078711 184.3413 175.7702 16.05815367 4779

1 13745U 82120 A 83 27.99448485 .00285634 14758-4 30604-3 0 531
2 13745 50.4755 115.3396 0091857 184.5900 172.4816 16.01245405 4892

1 13745U 82120 A 83 28.05739735 .00294342 15855-4 30604-3 0 543
2 13745 50.5256 115.9611 0097707 195.3146 164.3289 16.00573019 4905

1 13745U 82120 A 83 28.36953704 .00209249 15379-4 21552-3 0 555
2 13745 50.5253 114.2500 0097624 196.7663 162.9192 16.00724339 4954

1 13745U 82120 A 83 28.80649073 .00233570 16056-4 24259-3 0 567
2 13745 50.5276 111.9593 0097156 198.5316 161.2364 16.01009409 5027

1 13745U 82120 A 83 30.36630144 .00311968 16412-4 30249-3 0 587
2 13745 50.5252 103.3136 0094544 205.4580 154.2987 16.02019027 5277

1 13745U 82120 A 83 31.30170190 .00319673 16765-4 30025-3 0 596
2 13745 50.5266 98.1843 0092994 209.6330 150.0422 16.02649856 5427

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Kosmos 1426 . fonts. 3.

1	13745U	82120	A	83	32.29905884	.00333896	17223-4	30410-3	0	605
2	13745	50.5257		92.7073	0091474	214.0483	145.5705	16.03333478		5539

1	13745U	82120	A	83	34.54154015	.00357765	30000-0	00000-0	0	00625
2	13745	50.5229		080.3695	0089224	224.3125	135.1345	16.04944711005947		

1	13745U	82120	A	83	34.97728075	.00328245	13390-4	29910-3	0	622
2	13745	50.5286		77.3716	0107298	224.6148	131.3125	16.00695700		6014

1	13745U	82120	A	83	35.04329958	.00357765	00000-0	00000-0	0	00634
2	13745	50.5221		077.6653	0105320	225.3992	133.3893	16.00658146006032		

1	13745U	82120	A	83	35.15614678	.00357765	00000-0	00000-0	0	00645
2	13745	50.5224		073.9559	0105380	226.2991	132.9834	16.00743364006751		

1	13745U	82120	A	83	36.10133572	.00328194	18144-4	29427-3	0	644
2	13745	50.5200		71.8295	0103795	230.5135	129.0480	16.01495293		6190

1	13745U	82120	A	83	36.35083091	.00489252	18346-4	43239-3	0	674
2	13745	50.5273		70.4659	0103040	231.2372	127.9792	16.01753907		6239

1	13745U	82120	A	83	37.09925551	.00469499	19173-4	39897-3	0	682
2	13745	50.5295		66.3621	0101551	234.4799	124.7322	16.02499647		6357

1	13745U	82120	A	83	38.22137897	.00677548	19471-4	55546-3	0	716
2	13745	50.5270		50.2013	0098869	239.6328	119.8186	16.03394095		6534

1 13745U 82120 A 83 37.23629813 .00477336 19149-4 40469-3 0 803
2 13745 50.5253 65.3343 0100891 235.3619 123.7774 16.02671003 6384

1 13745U 82120 A 83 37.72267772 .00116189 19143-4 10246-3 0 703
2 13745 50.5293 32.9388 0099801 237.2799 121.7527 16.02929034 6453

1 13745U 82120 A 83 41.27273887 .00126290 54921-4 98021-4 0 757
2 13745 50.5263 43.4118 0093002 252.9237 105.0403 16.05749463 7025

1 13745U 82120 A 83 41.33498695 .00376422 54833-4 29007-3 0 774
2 13745 50.5267 43.0687 0092883 253.1086 105.9739 16.05794909 7034

1 13745U 82120 A 83 40.33918017 .00248752 55026-4 19429-3 0 742
2 13745 50.5261 48.5542 0094620 248.8105 110.6834 16.05031158 6872

1 13745U 82120 A 83 40.33910975 .00330108 54923-4 29336-3 0 753
2 13745 50.5263 48.5568 0094630 248.3910 110.1928 16.05043769 6877

1 13745U 82120 A 83 42.39546331 .00242000 54524-4 20040-3 0 806
2 13745 50.5273 37.2565 0113899 256.3013 102.7337 16.00949846 7202

1 13745U 82120 A 83 43.70580108 .00308111 54857-4 24374-3 0 835
2 13745 50.5244 30.3307 0111387 262.0192 95.3607 16.01827511 7416

1 13745U 82120 A 83 44.26716164 .00348623 54219-4 27043-3 0 846
2 13745 50.5256 27.0004 0110427 264.4193 94.6304 16.02254226 7509

1 13745U 82120 A 83 45.20240065 .00364757 54645-4 27272-3 0 851
2 13745 50.5253 21.8676 0108913 268.4438 90.4130 16.02965752 7657

1 13745U 82120 A 83 46.19956177 .00458103 55301-4 32947-3 0 863
2 13745 50.5247 15.3911 0106407 272.4294 86.5976 16.03931681 7913

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forts 4

1	13745U	82120	A	83	48.31665665	.00401291	55093-4	26708-3 0	891
2	13745	50.5248			4.7338 0101326	291.9077	76.9851	16.05500940	8159
1	13745U	82120	A	83	49.06334465	.00369635	55307-4	24049-3 2	893
2	13745	50.5233			0.5201 0130313	285.2213	73.6751	15.06154894	8270
1	13745U	82120	A	83	49.43560885	.00382383	55309-4	24530-3 0	900
2	13745	50.5250			358.5634 0099495	286.7068	72.3320	15.06468356	8337
1	13745U	82120	A	83	50.30724297	.00389001	55346-4	24094-3 0	914
2	13745	50.5244			353.7581 0097923	290.1376	68.9306	16.07148210	8473
1	13745U	82120	A	83	50.49375528	.00039596	00000-0	65709-4 0	929
2	13745	50.5210			352.7362 0093849	323.9061	32.5063	15.94403498	8500
1	13745U	82120	A	83	51.30609206	.00338572	16065-4	34006-3 0	949
2	13745	50.5224			343.2399 0098578	341.4971	18.5772	16.00870445	8631
1	13745U	82120	A	83	52.11734587	.00244554	16209-4	24211-3 0	952
2	13745	50.5241			343.9496 0096879	344.7393	15.0059	16.01408716	8750
1	13745U	82120	A	83	52.24215623	.00329855	16226-4	32493-3 0	961
2	13745	50.5227			343.1637 0096493	345.2809	14.5375	16.01478045	8786
1	13745U	82120	A	83	52.74126996	.00389309	16835-4	37547-3 0	972
2	13745	50.5225			340.4317 0095694	347.5070	12.4033	16.01868111	8860

1	13745U	82120	A	83	53.24024436	.00364503	16795-4	34729-3	0	988
2	13745	50.5221			337.6927	0094548	349.8293	10.0405	16.02226990	8940

1	13745U	82120	A	83	53.99851931	.00357526	16684-4	33202-3	0	1005
2	13745	50.5221			333.5372	0093192	352.8724	7.1512	16.02789061	9064

1	13745U	82120	A	83	55.23505009	.00396086	17336-4	35625-3	0	1015
2	13745	50.5221			325.7420	0090533	358.2721	1.7344	15.03693512	9261

1	13745U	82120	A	83	56.23172957	.00476603	17923-4	40890-3	0	1023
2	13745	50.5228			321.2597	0087997	2.5659	357.4620	16.04630232	9420

1	13745U	82120	A	83	57.91215291	.00652883	18290-4	52264-3	0	1042
2	13745	50.5204			312.0019	0082176	10.2710	349.9279	15.06414013	9692

1	13745U	82120	A	83	58.22314250	.00515575	18373-4	40535-3	0	1059
2	13745	50.5212			310.2831	0081878	11.5621	348.6567	16.06717492	9745

1	13745U	82120	A	83	58.47190131	.00463402	18544-4	40127-3	0	1055
2	13745	50.5258			308.9181	0098028	12.1977	346.3006	16.02873927	9791

1	13745U	82120	A	83	60.34208216	.00221825	15000-4	29592-3	0	1099
2	13745	50.5144			298.6425	0152960	39.9709	321.2437	15.87362829	10089

1	13745U	82120	A	83	60.40503247	.00213058	14459-4	29592-3	0	1107
2	13745	50.5164			298.3016	0153236	41.1381	319.9868	15.85773827	10098

1	13745U	82120	A	83	61.09770658	.00358563	14486-4	43497-3	0	1133
2	13745	50.5174			294.5864	0152053	44.2782	317.2411	15.87256209	10202

1	13745U	82120	A	83	61.16062320	.00326419	14360-4	44649-3	0	1143
2	13745	50.5167			294.2484	0151202	44.4863	316.8201	15.87290623	10216

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font 5.5

1	13745U	82120	A	83	61.72714346	.00146098	14901-4	19843-3	0	1159
2	13745	50.5151	291.2081	0150739	46.8463	314.5705	15.87669044	10306		

1	13745U	82120	A	83	61.85300771	.00557930	14904-4	73331-3	0	1164
2	13745	50.5165	290.5275	0150515	47.7117	313.7099	15.87882939	10324		

1	13745U	82120	A	83	62.29343991	.00384810	14758-4	50748-3	0	1174
2	13745	50.5156	288.1640	0148968	49.6545	311.5334	15.88174007	10396		

1	13745U	82120	A	83	63.29992419	.00329020	14950-4	42355-3	0	1183
2	13745	50.5158	282.7510	0147160	54.2760	306.9036	15.88824386	10554		

1 13873U 82120 E 83 64.98894337 .02951018 55388-4 17150-2 0 10
2 13873 50.5297 272.9100 0061589 40.9565 319.5916 16.13427975 10820

1 13873U 82120 F 83 67.02619265 .04819972 59137-4 91067-3 0 95
2 13873 50.5314 251.3478 0035672 43.1309 331.0380 16.29091264 11151

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Kormos 1426-bis!

1	13749U	82120	C	83	15.02757295	.00545787	17765-4	46072-3 0	133	
2	13749	50.5295			187.4594	0087073	147.6536	213.1426	15.04972382	2757

1	13749U	82120	C	83	27.55903803	.00332969	16173-4	29646-3 0	153	
2	13749	50.5283			118.6834	0075809	195.3473	174.8129	16.06044890	1102

1	13749U	82120	C	83	27.55983361	.02130462	12941-4	21358-2 0	145	
2	13749	50.5296			118.5787	0060165	123.4025	181.2613	16.06354193	1103

1	13749U	82120	C	83	27.30796364	.00341056	16706-4	29331-3 0	179	
2	13749	50.5289			117.3248	0077556	186.3499	173.5507	16.06213121	1140

1	13749U	82120	C	83	27.80796388	.00274716	17075-4	23290-3 0	187	
2	13749	50.5262			117.3139	0079452	187.8313	172.2157	16.05203787	1140

1	13749U	82120	C	83	27.80458291	.00271537	16987-4	23290-3 0	194	
2	13749	50.5269			117.3590	0079515	186.7205	154.2969	16.06192341	3220

1	13749U	82120	C	83	27.80796186	.00269655	16737-4	23290-3 0	205	
2	13749	50.5280			117.3249	0077886	186.7886	173.2068	16.06194841	3227

1	13749U	82120	C	83	27.30796236	.00313762	17089-4	27012-3	0	309
2	13749	50.5297		117.3251	0077876	186.6432	173.3535	16.06205933		3227

1	13749U	82120	C	83	45.66143257	.00317860	14449-4	27012-3	0	337
2	13749	50.5277		17.9921	0052754	265.5429	304.8534	16.09703256		6100

1	13749U	82120	C	83	50.21514125	.00353283	55308-4	28485-3	0	357
2	13749	50.5146		299.3584	0094556	19.7043	331.0144	16.04525556		8453

1	13749U	82120	C	83	50.21632659	.00353319	55294-4	28485-3	0	379
2	13749	50.5146		299.3491	0094553	19.7118	340.7494	16.04526877		8451

1	13749U	82120	C	83	50.83950738	.00118250	55014-4	99129-4	0	382
2	13749	50.5146		295.9195	0093998	22.5390	337.6030	16.04657727		8552

1	13749U	82120	C	83	60.21632677	.00322171	54982-4	25023-3	0	469
2	13749	50.5146		299.3489	0094631	19.7557	340.7065	16.04515947		8452

1	13749U	82120	C	83	60.21682617	.00117355	54973-4	99129-4	0	424
2	13749	50.5146		299.3487	0094391	19.7900	340.6719	16.04510145		8455

1	13749U	82120	C	83	50.21678450	.00257639	14172-4	25023-3	0	434
2	13749	50.5115		299.3454	0074827	25.4281	335.0368	16.04497499		8457

1	13749U	82120	C	83	60.21682617	.00117355	54973-4	99129-4	0	413
2	13749	50.5146		299.3487	0094391	19.7900	340.6719	16.04510145		8455

1	13749U	82120	C	83	50.21678449	.00257619	14239-4	25023-3	0	456
2	13749	50.5115		299.3454	0074828	25.4280	335.0368	16.04497499		8457

1	13749U	82120	C	83	67.98900973	.00414406	55887-4	25023-3	0	540
2	13749	50.5146		256.3909	0081788	54.0612	306.7939	16.09672016		9702

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1	13750U	82121	A	82363.61976393	-.00000111	00000-0	00000 0 0	13
2	13750	65.8354	259.6000	0034429	341.1475	18.8395	15.31489892	22
1	13750U	82121	A	82363.68506738	-.00000111	00000-0	00000 0 0	23
2	13750	65.8350	259.3919	0034509	342.5119	17.4374	15.31293941	35
1	13750U	82121	A	82364.27287019	-.00000111	00000-0	00000 0 0	49
2	13750	65.8405	256.5219	0035149	341.1599	19.8305	15.31306377	124
1	13750U	82121	A	82364.99129235	-.00000111	00000-0	00000 0 0	54
2	13750	65.9415	254.2436	0034436	339.4412	20.6323	15.31341997	231
1	13750U	82121	A	83	2.27711425	-.00000111	00000-0 00000 0 0	75
2	13750	65.8361	246.9825	0034798	336.0767	24.0648	15.31359256	585
1	13750U	82121	A	83	3.25669456	.00007305	00000-0 24139-3 0	91
2	13750	65.8367	243.8729	0035696	335.3038	24.6478	15.31396427	734