

86-1A

Kosmos 1715

LPP: 8, Jan 1986

16447U	86	1	A	86	8.46742274	.00001695	11660-4	00000 0 0	1
16447	72.8329	283.6574	0072053	92.9906	267.9325	16.11457667		0	0
16447U	86	1	A	86	8.83991959	.00085878	12051-4	55307-4 0	2
16447	72.8119	282.6933	0072510	91.8988	269.0357	16.11439322		6	6
16447U	86	1	A	86	9.15033119	.00049014	00000-0	55307-4 0	3
16447	72.8171	281.8980	0042336	78.8497	279.3844	16.07041345		11	11
16447U	86	1	A	86	9.83550832	.00006987	00000-0	80732-5 0	4
16447	72.8116	280.1373	0042758	77.3614	283.1757	16.07041810		22	22
16447U	86	1	A	86	11.70295680	.00094361	63614-5	10734-3 0	6
16447	72.8112	275.3493	0041898	72.3590	288.0303	16.07150505		52	52
16447U	86	1	A	86	11.95197897	.00094952	63764-5	10734-3 0	7
16447	72.8131	274.7089	0042052	73.9415	286.6714	16.07230446		56	56
16447U	86	1	A	86	13.01007422	.00095153	65497-5	10734-3 0	8
16447	72.8141	271.9953	0041948	69.6463	290.5007	16.07274853		72	72

16447U	86	1	A	86	13.01007422	.00095153	65497-5	10734-3	0	9
16447	72.8141	271.9953	0041948	69.6463	290.5007	16.07274853	73			
16447U	86	1	A	86	13.57031962	.00060267	35137-5	10734-3	0	10
16447	72.8236	270.5549	0088845	86.0466	272.3951	15.94627554	82			
16447U	86	1	A	86	14.00994001	.00061190	36111-5	10734-3	0	11
16447	72.8113	269.4484	0089619	85.0851	276.1393	15.94753434	89			
16447U	86	1	A	86	14.00994001	.00061190	36111-5	10734-3	0	12
16447	72.8113	269.4484	0089619	85.0851	276.1393	15.94753434	89			
16447U	86	1	A	86	15.32722711	.00032365	00000-0	55895-4	0	13
16447	72.8076	266.1297	0089826	81.5413	279.1907	15.94782593	110			
16447U	86	1	A	86	15.51548947	.00055374	00000-0	55895-4	0	14
16447	72.8065	265.6406	0028207	84.2524	286.2663	16.09792981	113			
16447U	86	1	A	86	16.94308096	.00055592	00000-0	55895-4	0	16
16447	72.8134	261.9681	0027852	79.5016	280.8493	16.09872162	136			
16447U	86	1	A	86	18.06162829	.00055877	00000-0	55895-4	0	17
16447	72.8137	259.0896	0027944	75.6430	284.6620	16.09943187	154			
16447U	86	1	A	86	18.86945227	.00034462	00000-0	34527-4	0	18
16447	72.8121	257.0096	0028053	73.7400	286.6308	16.09995160	167			
16447U	86	1	A	86	20.91992513	.00034798	00000-0	34506-4	0	21
16447	72.8125	251.7282	0028044	67.9659	292.4432	16.10143807	200			

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Kosmos 1716-1723

16449U	86	2	A	86	9.17926782	-.00000006	00000-0	00000	0	0	1
16449	74.0193	158.4122	0018424	194.9179	165.7389	12.47170360					0
16450U	86	2	B	86	9.42059741	-.00000006	00000-0	00000	0	0	1
16450	73.9903	158.0742	0025170	226.0561	133.6595	12.42776576					4
16451U	86	2	C	86	9.58092953	-.00000006	00000-0	00000	0	0	2
16451	73.9855	157.8881	0014046	208.5149	151.5127	12.44861083					5
16453U	86	2	E	86	9.57915274	-.00000007	00000-0	00000	0	0	2
16453	73.9921	157.8937	0027326	126.1988	234.1580	12.50652652					5
16454U	86	2	F	86	9.57859042	-.00000007	00000-0	00000	0	0	3
16454	73.9881	157.8489	0035875	116.5580	243.9211	12.52171930					6
16455U	86	2	G	86	9.41850030	-.00000007	00000-0	00000	0	0	1
16455	73.9870	158.0848	0046274	115.9136	244.6824	12.53774763					3
16456U	86	2	H	86	9.57748086	-.00000007	00000-0	00000	0	0	2
16456	73.9811	157.8590	0052033	104.7470	255.8997	12.55559401					5
16457U	86	2	J	86	9.42500305	-.00000006	00000-0	00000	0	0	2
16457	73.9922	158.0946	0136327	266.3256	92.2022	12.20822132					4

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STS 61C

(Columbia F7)

Lpp: 12 Jan

Ned: 18 Jan

16481U	86	3	A	86	12.48390905	.00050231	00000-0	25599-3	0	1
16481	28.4675	122.4696	0005221	265.4870	94.5142	15.79889874				0
16481U	86	3	A	86	12.56768287	.00053545	00000-0	25599-3	0	1
16481	28.4669	121.8749	0006915	253.5671	224.0916	15.81254345				1
16481U	86	3	A	86	13.59027777	.00047085	00000-0	25599-3	0	5
16481	28.4673	114.3675	0017540	246.7417	296.5429	15.78248968				17
16481U	86	3	A	86	14.49652731	.00047218	00000-0	25599-3	0	7
16481	28.4671	107.7111	0017310	257.6498	45.6994	15.78317457				30
16481U	86	3	A	86	14.75936821	.00047024	00000-0	25599-3	0	8
16481	28.4674	105.7840	0017382	262.9211	96.9369	15.78224935				34
16481U	86	3	A	86	14.75936821	.00047024	00000-0	25599-3	0	9
16481	28.4674	105.7840	0017382	262.9211	96.9369	15.78224935				34
16481U	86	3	A	86	15.32842327	.00047170	00000-0	25599-3	0	10
16481	28.4669	101.6054	0017754	268.5406	91.3953	15.78285658				45

16481U	86	3	A	86	15.49652731	.00047496	00000-0	25599-3	0	11
16481	28.4690	100.3717	0017005	272.3223	324.8541	15.78454911				47
16481U	86	3	A	86	16.08704397	.00047120	00000-0	25599-3	0	12
16481	28.4684	96.0350	0016965	279.3839	80.0963	15.78280297				56
16481U	86	3	A	86	16.50677546	.00047064	00000-0	25599-3	0	13
16481	28.4680	92.9555	0017889	284.5229	304.7552	15.78229395				62
16481U	86	3	A	86	16.71940061	.00047057	00000-0	25599-3	0	14
16481	28.4669	91.3952	0016823	291.1589	68.7137	15.78254257				65
16481U	86	3	A	86	16.90908598	.00047421	00000-0	25599-3	0	15
16481	28.4662	90.0067	0017533	288.7773	71.1940	15.78404360				68
16481U	86	3	A	86	16.90908598	.00047421	00000-0	25599-3	0	16
16481	28.4662	90.0067	0017533	288.7773	71.1940	15.78404360				50
16481U	86	3	A	86	16.90908598	.00047421	00000-0	25599-3	0	17
16481	28.4662	90.0067	0017533	288.7773	71.1940	15.78404360				70
16481U	86	3	A	86	17.49652731	.00047340	00000-0	25599-3	0	18
16481	28.4688	85.6884	0018092	295.2790	169.6512	15.78351946				79
16481U	86	3	A	86	17.85741972	.00048506	00000-0	25599-3	0	19
16481	28.4678	83.0354	0018737	300.0143	60.1734	15.78870236				85
16481U	86	3	A	86	18.48938960	.00048347	00000-0	25599-3	0	20
16481	28.4685	78.3914	0019115	308.4544	51.2924	15.78785031				95

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16490U	86	4	A	86	15.65006084	-.00004031	27794-4	00000	0	0	
16490	67.1431	316.1574	0123268	94.9718	266.4431	16.08655925					
16490U	86	4	A	86	15.71225560	-.00004082	28275-4	00000	0	0	
16490	67.1500	315.9369	0125956	94.5533	266.9266	16.08582573					
16490U	86	4	A	86	15.83663054	-.00004033	27827-4	00000	0	0	3
16490	67.1488	315.5157	0124971	93.9439	267.6126	16.08540046					4
16490U	86	4	A	86	15.96098875	.00471163	28267-4	16303-3	0		4
16490	67.1512	315.0943	0124562	93.7338	267.8553	16.08692058					6
16490U	86	4	A	86	16.95546490	.00282124	28182-4	95874-4	0		5
16490	67.1510	311.7326	0122078	92.8774	268.3664	16.09417764					22
16490U	86	4	A	86	17.45263323	.00328920	28141-4	10917-3	0		6
16490	67.1516	310.0491	0121065	92.2315	269.4511	16.09826296					30
16490U	86	4	A	86	18.26015028	.00451104	28330-4	14221-3	0		
16490	67.1527	307.3132	0119903	91.5046	270.1472	16.10518219					4

16490U	86	4	A	86	18.88104438	.00403372	28063-4	12548-3	0	8
16490	67.1506	305.2079	0118129	90.9439	270.4355	16.11007373				53
16490U	86	4	A	86	19.87411178	.00437299	28216-4	13038-3	0	10
16490	67.1520	301.8401	0115467	89.9761	271.5121	16.11929447				69
16490U	86	4	A	86	20.86661310	.00492275	28410-4	13981-3	0	11
16490	67.1516	298.4682	0112699	89.1490	272.4891	16.12923052				85
16490U	86	4	A	86	21.73448805	.00538435	28654-4	14476-3	0	12
16490	67.1489	295.5133	0109862	87.9766	273.8027	16.13984990				99
16490U	86	4	A	86	22.84932107	.00611187	28380-4	15252-3	0	15
16490	67.1506	291.7105	0105668	87.1581	274.1411	16.15482533				117
16490U	86	4	A	86	24.08697558	.00348683	28096-4	13332-3	0	16
16490	67.1504	287.4844	0127323	70.4549	286.6762	16.07191518				137
16490U	86	4	A	86	25.02101050	.00382736	28042-4	14132-3	0	17
16490	67.1481	284.3336	0125424	69.4075	292.1203	16.07905024				152
16490U	86	4	A	86	26.01602283	.00399015	27413-4	14280-3	0	18
16490	67.1472	280.9729	0122844	68.3334	293.1784	16.08719761				168
16490U	86	4	A	86	26.94837473	.00431070	27938-4	14885-3	0	19
16490	67.1462	277.8149	0120285	67.7941	293.8317	16.09570879				183
16490U	86	4	A	86	28.06650695	.00453752	28275-4	14808-3	0	20
16490	67.1471	274.0266	0117602	66.6838	294.7901	16.10644493				201

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16490U	86	4	A	86	28.99771048	.00519557	28082-4	16215-3	0	21
16490	67.1472	270.8661	0114794	65.9633	295.5446	16.11615417	216			
16490U	86	4	A	86	30.05233628	.00584977	28133-4	17268-3	0	23
16490	67.1462	267.2834	0111537	65.1167	296.2025	16.12776317	233			
16490U	86	4	A	86	31.97764683	.00378143	27688-4	14138-3	0	25
16490	67.1467	260.7586	0120502	72.3495	288.9239	16.08758639	264			
16490U	86	4	A	86	35.02539023	.00394779	28129-4	14429-3	0	29
16490	67.1434	250.4612	0123013	71.4920	290.0679	16.08482775	313			
16490U	86	4	A	86	36.08218079	.00407181	28134-4	14359-3	0	30
16490	67.1430	246.8858	0120500	70.2858	291.0925	16.09329141	330			
16490U	86	4	A	86	36.95207746	.00406440	27824-4	13881-3	0	31
16490	67.1437	243.9413	0118517	69.4491	291.8926	16.10033064	344			
16490U	86	4	A	86	37.38688878	.00461992	28541-4	13881-3	0	32
16490	67.1485	242.4854	0101026	61.2533	302.6430	16.14657410	351			
16490U	86	4	A	86	37.51029604	.00377502	28677-4	11398-3	0	33
16490	67.1425	242.0446	0100172	69.5387	291.7796	16.14792125	353			

16490U	86	4	A	86	39.24343219	.00996783	28432-4	26292-3	0	36
16490	67.1426	236.1196	0093410	68.2949	293.0198	16.17292306	381			
16490U	86	4	A	86	40.04695089	.01504788	28116-4	35841-3	0	37
16490	67.1425	233.3664	0087745	68.0389	293.3332	16.19287790	394			
16490U	86	4	A	86	40.84925440	.00719990	27867-4	35841-3	0	38
16490	67.1438	230.6206	0134357	130.6044	220.2485	16.03034299	407			
16490U	86	4	A	86	40.91345571	.00905425	27894-4	35841-3	0	39
16490	67.1419	230.4096	0126358	115.9593	245.5127	16.06968758	408			
16490U	86	4	A	86	41.22459318	.00889529	28018-4	35841-3	0	41
16490	67.1385	229.3576	0123719	114.6136	246.5612	16.07314611	413			
16490U	86	4	A	86	41.47350647	.00430092	27898-4	16941-3	0	42
16490	67.1409	228.5179	0124561	115.0927	246.1168	16.07424587	417			
16490U	86	4	A	86	44.95453943	.00544904	28027-4	18773-3	0	49
16490	67.1429	216.7414	0113439	111.8389	249.7563	16.10920593	473			
16490U	86	4	A	86	45.57523813	.00555673	28386-4	18789-3	0	50
16490	67.1429	214.6347	0110573	111.1780	250.2241	16.11660646	483			
16490U	86	4	A	86	46.87075941	.00783912	28991-4	18789-3	0	54
16490	67.1408	210.1718	0068047	111.2830	249.6666	16.22706328	504			
16490U	86	4	A	86	47.85652154	.00617506	29097-4	13637-3	0	55
16490	67.1422	206.7667	0064428	109.8248	251.0646	16.24099557	520			

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16490U	86	4	A	86	48.41063790	.00763202	29251-4	15927-3	0	57
16490	67.1368	204.8503	0062454	109.2551	251.6513	16.24944025	529			
16490U	86	4	A	86	48.90291908	.00776382	29436-4	15485-3	0	58
16490	67.1396	203.1441	0060335	108.2291	252.5320	16.25708441	537			
16490U	86	4	A	86	49.64093461	.01022396	29205-4	18664-3	0	59
16490	67.1361	200.5831	0056920	107.6591	253.2611	16.27057109	549			
16490U	86	4	A	86	49.76383833	.00519623	27897-4	18664-3	0	60
16490	67.1379	200.1672	0104655	136.2682	219.3052	16.12197110	551			
16490U	86	4	A	86	51.93460538	.00565631	28245-4	18774-3	0	63
16490	67.1344	192.7743	0096550	133.4068	227.5700	16.14501915	586			
16490U	86	4	A	86	52.92545044	.00616799	28434-4	19450-3	0	64
16490	67.1342	189.3903	0092610	132.2097	228.8610	16.15732752	602			
16490U	86	4	A	86	53.66804430	.00489464	28070-4	19450-3	0	65
16490	67.1390	186.8575	0112340	121.5493	236.6634	16.09710582	614			
16490U	86	4	A	86	54.16556248	.00500254	28410-4	19450-3	0	66
16490	67.1343	185.1711	0110895	121.0154	240.2006	16.10209280	622			

16490U	86	4	A	86	54.72449988	.00500892	28393-4	19215-3	0	67
16490	67.1350	183.2732	0108187	120.3390	240.9799	16.10863394	631			
16490U	86	4	A	86	54.91073717	.00582012	28066-4	22007-3	0	68
16490	67.1340	182.6401	0107693	119.9822	241.2229	16.11092108	634			
16490U	86	4	A	86	55.84163434	.00505443	28217-4	18392-3	0	69
16490	67.1340	179.4789	0104425	119.0121	242.0367	16.12112309	649			
16490U	86	4	A	86	55.90369590	.00505818	28209-4	18392-3	0	70
16490	67.1324	179.2659	0104153	119.0794	242.0902	16.12171045	650			
16490U	86	4	A	86	59.00227965	.00639001	28370-4	19936-3	0	75
16490	67.1352	168.7078	0092529	115.5329	245.6961	16.15851421	700			
16490U	86	4	A	86	60.42509048	.00676906	28757-4	18823-3	0	77
16490	67.1374	163.8401	0088119	114.3416	246.7084	16.17781472	723			
16490U	86	4	A	86	60.54873219	.00388461	27720-4	18823-3	0	78
16490	67.1313	163.4158	0140869	132.1124	226.8899	16.02059039	725			
16490U	86	4	A	86	60.73642016	.00388047	27815-4	18823-3	0	79
16490	67.1365	162.7915	0140754	131.8233	229.4182	16.02071700	728			
16490U	86	4	A	86	62.04697757	.00448021	27499-4	20739-3	0	82
16490	67.1338	158.3963	0137145	130.4625	230.8117	16.03266928	749			
16490U	86	4	A	86	63.04485058	.00400666	27616-4	18281-3	0	83
16490	67.1340	155.0437	0133745	129.3646	231.8562	16.04108392	765			

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16490U	86	4	A	86	64.41604030	.00515202	27672-4	22051-3	0	86
16490	67.1331	150.4331	0130532	128.1320	233.1682	16.05382246				787
16490U	86	4	A	86	65.84832707	.00557806	27797-4	23182-3	0	89
16490	67.1311	145.6050	0124455	126.5278	234.6995	16.06882043				810
16490U	86	4	A	86	66.53285116	.00758086	27680-4	30469-3	0	90
16490	67.1344	143.2921	0121146	125.6426	235.8344	16.07853819				821
16490U	86	4	A	86	67.03034271	.00682170	28224-4	26731-3	0	92
16490	67.1321	141.6131	0119144	125.1069	236.0140	16.08509850				829
16490U	86	4	A	86	67.96270137	.00716177	28230-4	26731-3	0	93
16490	67.1321	138.4586	0115271	124.1067	236.9964	16.09751993				844
16490U	86	4	A	86	68.89441895	.00611281	28232-4	21963-3	0	96
16490	67.1330	135.2977	0111659	123.0197	238.1939	16.10843103				859
16490U	86	4	A	86	69.63929101	.00561327	28621-4	19722-3	0	99
16490	67.1335	132.7701	0108663	122.2289	238.7304	16.11649497				871
16490U	86	4	A	86	70.81798917	.00569475	28250-4	19129-3	0	100
16490	67.1327	128.7629	0104040	121.3824	239.7892	16.12976982				890

16490U	86	4	A	86	71.80976941	.00653129	28674-4	19129-3	0	101	
16490					67.1328	125.3783	0085908	117.5118	244.7881	16.17675724	906
16490U	86	4	A	86	71.87137229	.00654017	28313-4	19129-3	0	102	
16490					67.1332	125.1674	0085675	117.8248	243.1658	16.17730254	907
16490U	86	4	A	86	72.67485084	.00804378	29011-4	22116-3	0	103	
16490					67.1314	122.4109	0082194	116.9861	244.1263	16.18946614	920
16490U	86	4	A	86	73.23068526	.00899799	28743-4	23852-3	0	105	
16490					67.1296	120.5024	0078729	115.8731	245.1317	16.19905923	929
16490U	86	4	A	86	73.84789124	.00791794	28613-4	19660-3	0	106	
16490					67.1304	118.3790	0076373	115.4853	245.4187	16.20954591	939

86-5A

Kosmos 1725

~~16493U 86 5 A 86 16.61681678 .00000006 00000-0 00000 0 0 3~~
16493 82.9377 318.1822 0020956 271.3323 88.5947 13.73428663 1

86-6A

Kosmos 1726

16495U	86	6	A	86	17.36426155	.00000011	00000-0	00000	0	0	1
16495	82.5094	253.7072	0025616	266.6642	93.1489	14.75267194					1
16495U	86	6	A	86	19.80755202	.00005801	00000-0	87036-3	0	0	9
16495	82.5292	251.4529	0021927	262.3842	97.2129	14.74287987					37

86-7A

Raduga 18

16497U	86	7	A	86	23.34377299	-.00000052	00000-0	99999-4 0	5
16497	1.2814	278.1533	0018264	266.4218	94.3868	0.97510241			7
16497U	86	7	A	86	17.19141517	-.00000027	00000-0	99999-4 0	1
16497	1.2652	274.7417	0021887	268.0528	96.3141	0.97513887			23
16498U	86	7	B	86	17.42275288	-.00008430	58262-4	00000 0 0	1
16498	51.5796	281.1094	0010599	207.9694	151.6994	16.26568281			0
16499U	86	7	C	86	17.48426926	-.00008470	58504-4	00000 0 0	1
16499	51.6251	280.7525	0004061	57.4160	302.8794	16.28825703			1
16501U	86	7	E	86	19.28681455	.00000116	00000 0	99999 4 0	2
16501	47.2486	280.3302	7308394	0.3269	2.0140	2.22177666			8

86-8A

Kosmos 1727

16510U	86	8	A	86	23.84583411	.00000006	00000-0	00000	0	0	1
16510	82.9489	74.1392	0048476	289.2882	70.2938	13.75079318					12

86-9A

Kosmos 1728

Upp: 28/7-86

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16512U	86	9	A	86	28.41456876	-.00000332	00000-0	00000	0	0	1
16512	69.9689	298.4294	0056146	66.1501	294.0549	16.11218143					1
16512U	86	9	A	86	28.97340698	-.00000269	00000-0	00000	0	0	2
16512	69.9710	296.7599	0041911	77.5050	281.9367	16.07223112					10
16512U	86	9	A	86	29.09807352	.00737339	29514-3	75409-3	0	0	3
16512	69.9715	296.3902	0035482	84.4334	276.9237	16.09200355					12
16512U	86009	A	86029.53307896	.00000000	00000-0	00000-0	0	0	0004		
16512	069.9688	295.0895	0036777	083.9671	276.6171	16.0917953700019					
165 12U		86	29.90603724	0.00030451			30991-4	0			6
165 12	69.9703	293.9797	0035568	82.5457	277.9714	16.09221292					25
165 12U		86	30.96275812	0.00030545			30991-4	0			7
165 12	69.9701	290.8290	0035234	80.0948	280.4769	16.09294105					42
16512U	86	9	A	86	31.39785421	.00030661	00000-0	30991-4	0		8
16512	69.9672	289.5258	0035390	79.4516	281.1412	16.09337564					49

16512U	86	9	A	86	31.52215476	.00017696	00000-0	30991-4	0	9
16512	69.9789	289.1678	0104267	68.3146	285.3333	15.92487566		51		
16512U	86	9	A	86	31.96317316	.00032709	00000-0	56815-4	0	10
16512	69.9688	287.8852	0103906	67.8064	293.4686	15.92539622		58		
16512U		86	33.23219245	0.00041055			37991-4	0		12
16512	69.9699	284.0342	0030051	78.4811	290.3411	16.10978341				79
16512U	86	9	A	86	35.08133511	.00042920	00000-0	39385-4	0	14
16512	69.9714	278.6566	0029114	76.5123	283.8861	16.11156284		108		
16512U	86	9	A	86	35.82636753	.01453414	14930-2	13598-2	0	15
16512	69.9751	276.4283	0028795	74.9725	285.4562	16.11293325		120		
16512U		86	36.01258014	0.00033359			30581-4	0		16
16512	69.9714	275.8687	0028478	74.7228	285.5037	16.11263037		123		
16512U	86	9	A	86	37.06799520	.00045968	00000-0	41703-4	0	17
16512	69.9704	272.7139	0028765	72.6588	287.7257	16.11334080		140		
16512U	86	9	A	86	40.04751000	.00146164	14766-4	12980-3	0	20
16512	69.9669	263.7959	0027918	66.5600	294.1320	16.11858585		188		

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Kina 18

Upp: 1 feb 86 fr. Kichang

16526U	10A	86	32.77083290	-.00000038				0	1
16526	31.0388	305.9167	7213766	177.8136	189.5263	2.27169588			1
16526U	86 10 A	86	34.23702252	-.00000013	00000-0	99999-4	0		2
16526	0.0890	280.0049	0177217	162.8932	279.0672	1.02597296			2
16526U	86 10 A	86	35.21333031	-.00000242	00000-0	99999-4	0		3
16526	0.1665	256.1564	0038823	28.3961	74.9709	0.99304327			4

16528U	10B	86	32.76975942	-.00000038				0	1
16528	31.0681	305.9189	7212389	177.8008	189.3051	2.27968371			1

16526U	86 10	A 86	39.24136053	-.00000220	00000-0	99999-4 0	9
16526	0.1318	260.1093	0039023	24.8111	74.6077	0.99301493	8
16526U	86 10	A 86	47.29756267	-.00000073	00000-0	99999-4 0	14
16526	0.1166	256.5613	0039642	27.7356	75.2673	0.99298848	16
16526U	86 10	A 86	49.30305527	-.00000215	00000-0	99999-4 0	19
16526	0.1090	257.8582	0019828	28.7486	73.1581	0.99971898	18
16526U	86 10	A 86	55.28638781	-.00000293	00000-0	99999-4 0	30
16526	0.0979	258.1004	0001096	139.0181	322.8831	1.00276800	24
16526U	86 10	A 86	61.26974683	-.00000293	00000-0	99999-4 0	34
16526	0.0848	256.7772	0001119	132.6625	330.5391	1.00273787	30
16526U	86 10	A 86	62.26698012	-.00000293	00000-0	99999-4 0	36
16526	0.0836	255.9576	0001005	142.0118	322.0174	1.00273678	31
16526U	86 10	A 86	63.26421594	.00148620	00000-0	99999-4 0	37
16526	0.0813	258.9258	0000995	138.8018	322.2536	1.00273216	32
16526U	86 10	A 86	66.25599754	-.00000293	00000-0	99999-4 0	39
16526	0.0723	256.0530	0001106	147.6442	316.2671	1.00271442	35
16526U	86 10	A 86	70.24512197	-.00000292	00000-0	99999-4 0	43
16526	0.0671	254.6047	0000874	153.9370	311.4213	1.00269539	39
526U	86 10	A 86	118.11421141	-.00000291	00000-0	99999-4 0	79
526	0.0760	150.5926	0000550	321.0145	248.4024	1.00265974	87

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forts. 1

5526U	86	10	A	86151.02395498	-.00000292	00000-0	99999-4	0	110
5526	0.1503	107.2841	0000375	11.8904	240.8202	1.00269186	120		
6U	86	10	A	86151.02396095	-.00000292	00000-0	99999-4	0	111
6	0.1518	107.6023	0000576	7.3262	245.0707	1.00269252	120		

86-11A

Kosmos 1729

~~165270 86 11 A 86 33.30103131 -.00000064 00000-0 99999-4 0 2~~
16527 62.8468 354.0334 7338574 318.1189 4.9268 2.03191479 3

86-12A

Kosmos 1730

Upp: 4 feb 1986.

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16540U	86	12	A	86	35.52263856	-.00001722	11956-4	00000	0	0	1
16540	72.8771	307.7636	0084110	89.7452	271.1998	16.08834180					1
16540U	86	12	A	86	35.58484647	-.00001737	12049-4	00000	0	0	2
16540	72.7934	307.6207	0088819	89.3064	271.6722	16.08714401					2
16540U	86	12	A	86	35.70925008	-.00001690	11649-4	00000	0	0	3
16540	72.8523	307.2680	0085550	89.4521	271.7371	16.08658041					4
16540U	86	12	A	86	35.83361550	.00013232	12044-4	13453-4	0	0	4
16540	72.8554	306.9508	0085151	89.0109	272.0888	16.08663772					6
16540U	86	12	A	86	36.08237404	.00009868	00000-0	13453-4	0	0	5
16540	72.8548	306.2863	0059602	84.5895	274.8778	16.02666757					10
16540U	86	12	A	86	36.95416530	.00011394	00000-0	13082-4	0	0	7
16540	72.8558	304.0864	0042731	77.9380	282.5764	16.07001984					24
16540U	86	12	A	86	39.94207055	.00017924	00000-0	31295-4	0	0	14
16540	72.8575	296.4464	0091447	85.7551	269.8267	15.94468323					22

16540U	86	12	A	86	41.26061316	-.00021106	00000-0	-36062-4	0	16
16540	72.8524	293.1312	0092092	82.9788	278.1923	15.94550400				93
16540U	86012	A	86042.13773653	.00034692	00000-0	00000-0	0	0019		
16540	072.8418	290.9200	0059687	080.3199	280.5293	16.0250852000114				

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16589U	86 13	A 86	38.42087237	-.00005178	35929-4	00000 0 0	1
16589	64.8024	303.7801	0064172	65.1438	295.4343	16.19174253	1
16589U	86 13	A 86	38.48267183	-.00005113	35189-4	00000 0 0	2
16589	64.7709	303.5502	0065056	69.2865	290.8844	16.17427362	2
16589U	86 13	A 86	38.66825346	.00527125	35481-4	21141-3 0	3
16589	64.7667	302.8531	0065406	69.7304	291.1077	16.17735085	5
16589U	86 13	A 86	38.66825346	.00527125	35481-4	21141-3 0	4
16589	64.7667	302.8531	0065406	69.7304	291.1077	16.17735085	5
16589U	86 13	A 86	39.22451839	.00773251	35758-4	29359-3 0	5
16589	64.7648	300.7600	0063524	69.5478	291.4983	16.18591438	14
16589U	86 13	A 86	40.02737323	.01257187	35558-4	42906-3 0	6
16589	64.7647	297.7318	0060071	69.3178	291.7327	16.20239227	27
16589U	86 13	A 86	41.01413248	.00911694	36315-4	27086-3 0	7
16589	64.7652	294.0021	0056613	68.5349	291.5525	16.22237678	43

16589U	86 13	A 86	41.01413248	.00911694	36315-4	27086-3	0	8
16589	64.7652	294.0021	0056613	68.5349	291.5525	16.22237678		43
16589U	86 13	A 86	41.38589938	.00178998	19464-4	27086-3	0	10
16589	64.7634	292.6172	0059871	82.6572	275.9103	16.00760094		49
16589U	86 13	A 86	41.94852149	.00180108	19742-4	27029-3	0	11
16589	64.7608	290.5492	0060067	83.0561	277.6126	16.00869346		58
16589U	86 13	A 86	41.94852149	.00180108	19742-4	27029-3	0	12
16589	64.7608	290.5492	0060067	83.0561	277.6126	16.00869346		58
16589U	86013	A 86042	.13596527	.00055652	00000-0	00000-0	0	0013
16589	064.7582	289.8571	0066261	082.5884	278.2708	16.0086430700062		
16589U	86 13	A 86	42.94802768	.00088674	95524-5	13333-3	0	14
16589	64.7644	286.8852	0059962	82.2228	278.6021	16.01034490		74
16589U	86 13	A 86	43.94738858	.00105435	10858-4	15620-3	0	15
16589	64.7635	283.2165	0059501	81.5578	279.3338	16.01260533		90
16589U	86 13	A 86	45.19628582	.00068388	00000-0	97411-4	0	17
16589	64.7612	278.6279	0059053	80.3483	280.0782	16.01549803		110
16589U	86 13	A 86	45.75832856	.00065378	00000-0	92774-4	0	19
16589	64.7610	276.5587	0058503	81.6481	279.2239	16.01682906		119
16589U	86 13	A 86	47.88091455	.00090211	99572-5	12836-3	0	22
16589	64.7617	268.7637	0058035	79.7455	281.0062	16.02114411		153

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16589U	86 13	A 86	48.94202324	.00081978	94007-5	11561-3 0	23
16589	64.7626	264.8634	0058047	79.2979	281.4068	16.02285975	170
16589U	86 13	A 86	51.93744274	.00845782	36318-3	11343-2 0	26
16589	64.7617	253.8426	0056950	77.2477	283.4966	16.02919505	218
16589U	86 13	A 86	52.18697139	.00218762	27247-4	29294-3 0	27
16589	64.7607	252.9229	0057370	76.2503	284.2567	16.02919511	222
16589U	86 13	A 86	53.06037378	.00097080	10851-4	13056-3 0	28
16589	64.7621	249.7094	0056845	76.7810	283.6067	16.03100173	236
16589U	86 13	A 86	54.18325963	.00118079	12797-4	15572-3 0	29
16589	64.7615	245.5772	0056619	76.4970	284.3184	16.03365343	254
16589U	86 13	A 86	54.18325963	.00118079	12797-4	15572-3 0	30
16589	64.7615	245.5772	0056619	76.4970	284.3184	16.03365343	254
16589U	86 13	A 86	54.93168267	.00143306	15663-4	18663-3 0	31
16589	64.7618	242.8185	0055949	76.0165	284.7814	16.03583186	266
16589U	86 13	A 86	63.96728709	.00156009	16391-4	19142-3 0	48
16589	64.7617	209.4652	0018156	102.2752	258.2003	16.07416329	411

16589U	86	13	A	86	65.02482079	.00129375	12944-4	15839-3	0	50
16589	64.7603	205.5478	0017681	101.5399	258.6542	16.07708537	428			
16589U	86	13	A	86	65.95784002	.00182934	20993-4	21575-3	0	51
16589	64.7619	202.0905	0017284	101.3502	259.1118	16.08046538	443			
16589U	86	13	A	86	67.07707900	.00222588	28824-4	25379-3	0	54
16589	64.7609	197.9389	0016925	99.3051	261.0045	16.08558252	461			
16589U	86	13	A	86	67.88522003	.00215222	27488-4	24042-3	0	55
16589	64.7616	194.9409	0016587	98.7261	261.4984	16.08892141	474			
16589U	86	13	A	86	68.87964120	.00192391	23215-4	21051-3	0	56
16589	64.7627	191.2482	0016114	97.0463	263.0311	16.09244705	490			
16589U	86	13	A	86	69.74962136	.00211183	27071-4	22728-3	0	57
16589	64.7638	188.0158	0015317	94.9422	265.1477	16.09516038	504			
16589U	86	13	A	86	70.12244660	.00213731	27682-4	22728-3	0	58
16589	64.7631	186.6317	0015592	95.8389	264.4716	16.09688111	510			
16589U	86	13	A	86	70.74374538	.00087158	00000-0	90264-4	0	60
16589	64.7650	184.3206	0015273	94.4057	265.8943	16.09778620	520			
16589U	86	13	A	86	73.04181929	.00169772	19804-4	17163-3	0	64
16589	64.7616	175.7743	0014641	92.8639	267.2736	16.10522990	557			
16589U	86	13	A	86	73.91110683	.00193904	24246-4	19131-3	0	65
16589	64.7619	172.5394	0014083	92.7085	267.7339	16.10886635	571			

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6589U	86	13	A	86	74.40770391	.00088042	00000-0	84488-4	0	66
6589	64.7618	170.6901	0013715	89.7696	270.4031	16.10980553	579			
6589U	86	13	A	86	74.53187725	.00184014	22627-4	17966-3	0	67
6589	64.7602	170.2272	0013709	89.2354	271.0683	16.11065027	581			
6589U	86	13	A	86	74.96637571	.00172208	20595-4	16676-3	0	68
6589	64.7606	168.6068	0013599	88.6095	271.6536	16.11202983	588			
89U	86	13	A	86	118.81615295	.00151236	15880-4	17709-3	0	124
89	64.7588	5.4939	0014457	79.4712	281.1584	16.08289824	1294			
89U	86	13	A	86	122.85658129	.00130596	13574-4	14308-3	0	129
89	64.7573	350.4974	0014656	77.8489	282.3521	16.09345439	1359			
6589U	86	13	A	86	124.96878453	.00204510	25901-4	21139-3	0	131
6589	64.7576	342.6385	0013383	78.2949	281.8435	16.10198274	1393			
6589U	86	13	A	86	125.71403649	.00132060	14071-4	13535-3	0	132
6589	64.7564	339.8644	0013442	77.9894	282.1219	16.10401024	1405			
6589U	86	13	A	86	125.90036251	.00160511	18241-4	16327-3	0	133
6589	64.7569	339.1731	0013382	77.4146	282.8757	16.10480309	1408			

165890	86	13	A	86128.87940823	.00161700	19175-4	14887-3	0	138
16589	64.7541	328.0697	0011942	74.1864	286.1414	16.12015313	1456		
165890	86	13	A	86130.80223403	.00138016	16007-4	12256-3	0	140
16589	64.7548	320.8944	0011951	75.0712	285.1379	16.12582398	148		
165890	86	13	A	86131.54639230	.00122328	13931-4	10726-3	0	141
16589	64.7548	318.1126	0011730	72.6869	287.6186	16.12800061	1499		
165890	86	13	A	86131.85641589	.00151280	18083-4	13130-3	0	142
16589	64.7556	316.9567	0011436	73.8876	286.3934	16.12912528	1504		
165890	86	13	A	86133.90212320	.00159678	19599-4	13260-3	0	145
16589	64.7558	309.3135	0010472	69.4639	290.7670	16.13567507	1537		
165890	86	13	A	86134.89368407	.00159272	19762-4	12948-3	0	146
16589	64.7550	305.6057	0010257	67.6740	292.5254	16.13880952	1553		
165890	86	13	A	86141.85280163	.00135598	14189-4	15438-3	0	156
16589	64.7543	279.7375	0017617	125.2320	235.0451	16.08638160	1665		
165890	86	13	A	86146.01667693	.00142570	15533-4	15156-3	0	160
16589	64.7546	264.2686	0015271	125.7606	234.5311	16.09772552	1732		
165890	86	13	A	86146.82423594	.00148225	16395-4	15520-3	0	162
16589	64.7522	261.2640	0014666	126.4332	233.8444	16.10017013	1745		
165890	86	13	A	86149.92914030	.00132796	14590-4	13200-3	0	165
16589	64.7529	249.7082	0013300	126.0213	234.0892	16.10872328	1795		

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165890	86	13	A	86150.98447084	.00127278	13782-4	12464-3	0	166
16589	64.7529	245.7761	0012260	126.6048	233.5648	16.11134815	1829		
165890	86	13	A	86151.79136941	.00202904	26199-4	19403-3	0	167
16589	64.7527	242.7702	0011744	129.3828	230.9117	16.11418858	1825		
165890	86	13	A	86151.79136941	.00202904	26199-4	19403-3	0	168
16589	64.7527	242.7702	0011744	129.3828	230.9117	16.11418858	1825		
165890	86	13	A	86152.84625769	.00163739	19188-4	15364-3	0	169
16589	64.7512	238.8368	0011146	129.9855	229.9901	16.11751110	1842		
165890	86	13	A	86153.83897464	.00167326	19890-4	15364-3	0	170
16589	64.7518	235.1347	0010396	131.2701	228.9589	16.12088279	1858		
165890	86	13	A	86155.82376110	.00148360	17347-4	13136-3	0	173
16589	64.7519	227.7240	0009492	134.6859	225.5245	16.12671836	1890		
165890	86	13	A	86159.85308123	.00155437	18871-4	12654-3	0	177
16589	64.7504	212.6657	0008431	142.8102	217.3340	16.13906700	1955		
165890	86	13	A	86161.40199866	.00115864	12470-4	12487-3	0	179
16589	64.7495	206.8704	0022741	129.5758	228.7992	16.09287101	1980		

16589U	86	13	A	86161.46447659	.00089767	89555-5	12487-3	0	180
16589	64.7512	206.6396	0027466	80.7865	278.6083	16.05103334	1981		
16589U	86	13	A	86161.90078337	.00090381	89090-5	12487-3	0	181
16589	64.7507	205.0286	0027862	78.9325	281.4827	16.05183667	1988		
16589U	86	13	A	86163.89424349	.00078078	80499-5	10649-3	0	183
16589	64.7496	197.6627	0026771	78.0353	282.2809	16.05507976	2020		
16589U	86	13	A	86164.95313242	.00078731	80455-5	10649-3	0	184
16589	64.7503	193.7469	0026177	77.7192	282.6687	16.05670006	2037		
16589U	86	13	A	86165.88734588	.00080311	83339-5	10731-3	0	185
16589	64.7505	190.2971	0026754	77.3892	283.0360	16.05828304	2052		
16589U	86	13	A	86168.87613422	.00078361	81943-5	10184-3	0	188
16589	64.7500	179.2394	0025505	75.6271	284.7823	16.06346091	2100		
16589U	86	13	A	86170.99265199	.00080731	00000-0	99338-4	0	190
16589	64.7493	171.4062	0025095	74.5411	285.8607	16.06692921	2134		
16589U	86	13	A	86171.98850386	.00080576	00000-0	98275-4	0	191
16589	64.7483	167.7173	0024792	73.7358	286.6395	16.06849034	2150		
16589U	86	13	A	86172.92203098	.00079631	00000-0	96257-4	0	192
16589	64.7490	164.2594	0024765	73.4561	286.9167	16.06993883	2165		
16589U	86	13	A	86173.85547483	.00075375	00000-0	90468-4	0	193
16589	64.7477	160.8021	0024071	73.6640	286.7863	16.07158171	2180		

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16589U	86 13	A	86177.89922158	.00084135	00000-0	96389-4 0	197
16589	64.7492	145.8141	0023690	69.8695	290.4627	16.07871353	2245
16589U	86 13	A	86178.89434981	.00085022	00000-0	96389-4 0	198
16589	64.7491	142.1205	0023361	69.5710	290.8275	16.08048985	2261
16589U	86 13	A	86179.88932282	.00131331	13939-4	15010-3 0	199
16589	64.7489	138.4304	0023179	69.1078	291.3040	16.08332947	2277
16589U	86 13	A	86179.88932282	.00131331	13939-4	15010-3 0	200
16589	64.7489	138.4304	0023179	69.1078	291.3040	16.08332947	2277
16589U	86 13	A	86181.94096542	.00091998	98760-5	10305-3 0	204
16589	64.7483	130.8128	0022524	68.2548	292.0144	16.08775114	2310
16589U	86 13	A	86182.87336954	.00091858	10112-4	10164-3 0	206
16589	64.7486	127.3493	0022408	67.6997	292.6700	16.08973973	2325
16589U	86 13	A	86183.92994803	.00101012	10786-4	10995-3 0	207
16589	64.7489	123.4254	0022300	67.4521	292.9482	16.09195176	2342
16589U	86 13	A	86185.85623813	.00106694	11628-4	11306-3 0	209
16589	64.7490	116.2658	0021631	65.8987	294.4535	16.09624538	2373
16589U	86 13	A	86186.85025845	.00104766	11542-4	10969-3 0	210
16589	64.7492	112.5693	0021236	65.2763	295.0473	16.09834131	2389

16589U	86	13	A	86186.85025845	.00104766	11542-4	10969-3	0	211
16589	64.7492	112.5693	0021236	65.2763	295.0473	16.09834131	2389		
16589U	86	13	A	86187.47145998	.00245700	35385-4	25183-3	0	212
16589	64.7474	110.2583	0021280	62.5175	297.7998	16.09985962	2399		
16589U	86	13	A	86187.84414080	.00086398	00000-0	86764-4	0	213
16589	64.7478	108.8706	0020738	64.4774	295.7520	16.10026651	2405		
16589U	86	13	A	86188.58950937	.00137183	15217-4	13962-3	0	214
16589	64.7494	106.0978	0020834	61.9657	298.4404	16.10208330	2417		
16589U	86	13	A	86188.83792262	.00102586	11542-4	10478-3	0	215
16589	64.7492	105.1752	0020628	63.5543	296.7531	16.10246659	2421		
16589U	86	13	A	86189.45896673	.00173977	20957-4	17467-3	0	216
16589	64.7488	102.8600	0020477	62.2645	298.0513	16.10386125	2431		
16589U	86	13	A	86189.83156005	.00279588	44575-4	27874-3	0	217
16589	64.7475	101.4744	0020412	63.1243	297.1392	16.10430429	2437		
16589U	86	13	A	86189.89366868	.00080195	00000-0	78561-4	0	218
16589	64.7493	101.2419	0020260	62.5897	297.7297	16.10445113	2438		
16589U	86	13	A	86190.88716578	.00099246	00000-0	95338-4	0	219
16589	64.7494	97.5443	0020100	61.8019	298.5121	16.10680680	2456		
589U	86	13	A	86191.94262584	.00115482	13000-4	11254-3	0	220
589	64.7489	93.6152	0019963	61.5810	298.8885	16.10944895	2471		
589U	86	13	A	86191.81165932	.00118001	13410-4	11349-3	0	221
589	64.7491	90.3779	0019602	60.9832	299.3471	16.11154808	2485		
589U	86	13	A	86193.85678929	.00117434	13411-4	11118-3	0	222
589	64.7499	86.4451	0019248	59.8873	300.4131	16.11405232	2502		

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16589U	86 13	A	86194.92176995	.00122832	14084-4	11420-3	0	223
16589	64.7483		82.5126	0018979	59.6333	300.7205	16.11673730	2519
16589U	86 13	A	86195.85245743	.00131625	15349-4	12016-3	0	224
16589	64.7481		79.0387	0018762	57.7016	302.7023	16.11937226	2534
16589U	86 13	A	86196.90705054	.00127893	14874-4	11487-3	0	225
16589	64.7484		75.1035	0018252	55.9199	304.3337	16.12204508	2551
16589U	86 13	A	86199.94579838	.00113548	11512-4	12569-3	0	228
16589	64.7500		63.7562	0011545	116.5664	242.4812	16.09314601	2600
16589U	86 13	A	86199.94579838	.00113548	11512-4	12569-3	0	229
16589	64.7500		63.7562	0011545	116.5664	242.4812	16.09314601	2600
16589U	86 13	A	86200.00814570	.00093124	92966-5	12569-3	0	230
16589	64.7487		63.5244	0026565	95.2733	264.2716	16.05627670	2601
16589U	86 13	A	86200.00814570	.00093124	92966-5	12569-3	0	231
16589	64.7487		63.5244	0026565	95.2733	264.2716	16.05627670	2601
16589U	86 13	A	86200.75568657	.00036823	00000-0	48843-4	0	232
16589	64.7495		60.7630	0027460	93.3087	266.7155	16.05588425	2613
16589U	86 13	A	86202.87324175	.00077892	82522-5	10328-3	0	235
16589	64.7485		52.9329	0026901	92.3327	268.0962	16.05955545	2647

16589U	86	13	A	86203.86955161	.00087422	88875-5	11459-3	0	236
16589	64.7481	49.2456	0026280	90.7662	269.6747	16.06129516	2663		
16589U	86	13	A	86204.86574429	.00090938	92325-5	11789-3	0	237
16589	64.7478	45.5591	0025957	90.1081	270.3174	16.06312740	2679		
16589U	86	13	A	86205.86182317	.00088440	89607-5	11347-3	0	238
16589	64.7474	41.8719	0025774	89.1035	271.2964	16.06490200	2695		
16589U	86	13	A	86206.92003129	.00094066	96641-5	11919-3	0	240
16589	64.7484	37.9517	0025422	89.1350	271.2358	16.06693484	2712		
16589U	86	13	A	86207.85364396	.00120160	12081-4	14954-3	0	241
16589	64.7482	34.4963	0025100	87.6162	272.8791	16.06920593	2727		
16589U	86	13	A	86208.84931405	.00101446	10389-4	12512-3	0	242
16589	64.7482	30.8100	0024839	87.5854	272.7558	16.07127414	2743		
16589U	86	13	A	86217.80455529	.00116582	12569-4	12734-3	0	253
16589	64.7488	357.5819	0022336	76.8288	283.5186	16.09104270	2887		
16589U	86	13	A	86219.97949982	.00105117	11495-4	11179-3	0	255
16589	64.7488	349.4983	0021737	73.7167	286.5533	16.09571030	2922		
16589U	86	13	A	86221.84326499	.00109192	12049-4	11309-3	0	257
16589	64.7471	342.5690	0021342	72.8409	287.5512	16.09981248	2952		
16589U	86	13	A	86223.76858225	.00119433	13301-4	11977-3	0	259
16589	64.7466	335.4008	0020990	69.8283	290.5095	16.10458741	2983		

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16589U	86	13	A	86226.87269868	.00137398	15918-4	13021-3	0	262
16589	64.7472	323.8376	0020370	65.4351	294.9133	16.11301122	3033		
16589U	86	13	A	86227.86566395	.00122542	14045-4	11461-3	0	263
16589	64.7478	320.1358	0020281	63.2955	296.8791	16.11526652	3049		
16589U	86	13	A	86233.38648110	.00180508	23632-4	15232-3	0	269
16589	64.7445	299.5240	0019042	56.9059	303.4831	16.13008580	3138		
16589U	86	13	A	86233.63445956	.00168031	20421-4	15232-3	0	271
16589	64.7439	298.5961	0013286	49.1146	311.0933	16.12197800	3142		
16589U	86	13	A	86233.82055422	.00165353	19835-4	15232-3	0	272
16589	64.7413	297.9077	0014532	53.5749	306.4619	16.11921232	3146		
16589U	86	13	A	86233.88263447	.00149470	16817-4	15232-3	0	273
16589	64.7441	297.6750	0013665	26.1540	333.7268	16.10461635	3146		
16589U	86	13	A	86234.87886339	.00112839	10815-4	15189-3	0	276
16589	64.7435	293.9866	0022707	44.6865	315.7798	16.05812224	3162		
16589U	86	13	A	86235.87521167	.00102307	99176-5	13621-3	0	277
16589	64.7445	290.3030	0022635	44.0111	316.2233	16.06019935	3178		
16589U	86	13	A	86243.90396088	.00116433	11929-4	13942-3	0	285
16589	64.7431	260.5650	0021719	38.3167	321.9574	16.07710511	3307		

16589U	86 13	A	86244.96135393	.00106162	10933-4	12564-3 0	286
16589	64.7427	256.6434	0021496	36.8455	323.3470	16.07931497	3324
16589U	86 13	A	86247.82185541	.00100605	10513-4	11487-3 0	291
16589	64.7411	246.0241	0021234	35.0717	325.1314	16.08513683	3370
16589U	86 13	A	86247.82185541	.00100605	10513-4	11487-3 0	292
16589	64.7411	246.0241	0021234	35.0717	325.1314	16.08513683	3370
16589U	86 13	A	86249.00307038	.00099151	10490-4	11160-3 0	293
16589	64.7425	241.6381	0021119	35.0826	325.1297	16.08746661	3389
16589U	86 13	A	86249.93548952	.00106155	11276-4	11780-3 0	294
16589	64.7411	238.1735	0020987	34.5550	325.7311	16.08952000	3404
16589U	86 13	A	86252.85627766	.00098504	10761-4	10522-3 0	299
16589	64.7440	227.3154	0020622	31.9673	328.3038	16.09577293	3451
16589U	86 13	A	86254.09882283	.00265132	40234-4	27485-3 0	300
16589	64.7425	222.6905	0019592	32.5831	327.7705	16.09887237	3471
16589U	86 13	A	86257.82464287	.00179661	22330-4	17180-3 0	306
16589	64.7412	208.8219	0019205	30.4782	329.6547	16.11167959	3531
16589U	86 13	A	86258.94179522	.00157484	18696-4	14760-3 0	307
16589	64.7414	204.6556	0018959	29.5280	330.4813	16.11499805	3549
16589U	86 13	A	86259.87261923	.00173155	21555-4	15848-3 0	308
16589	64.7424	201.1843	0018937	28.8167	331.4861	16.11834518	3564

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16589U	86	13	A	86261.11334284	.00170695	21300-4	15219-3	0	309
16589	64.7444	196.5541	0018372	28.1532	331.9564	16.12245255	3584		
6589U	86	13	A	86269.14038745	.00171697	19524-4	20513-3	0	320
6589	64.7414	166.8039	0030594	86.9542	273.4906	16.07150846	3713		
6589U	86013	A	86269.14040178	.00130727	00000-0	00000-0	0	0321	
6589	064.7361	166.3094	0036996	087.1565	273.3735	16.0712658303713			
6589U	86	13	A	86269.82485115	.00127911	13660-4	15198-3	0	324
6589	64.7402	164.2699	0030484	86.0566	274.4180	16.07305195	3724		
6589U	86	13	A	86269.82485115	.00127911	13660-4	15198-3	0	325
6589	64.7402	164.2699	0030484	86.0566	274.4180	16.07305195	3724		

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Kosmos 1732

16593U	86	15	A	86	42.35266715	-.00000007	00000-0	00000	0	0	1
16593	73.6059	251.6973	0027937	281.6951	79.9060	12.40792189					0
16593U	86	15	A	86	54.12199859	-.00000007	00000-0	00000	0	0	6
16593	73.6065	235.9467	0029425	265.6068	94.1612	12.40867008					146

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Yuri 2B (BS-2B)

16597U	86	16	A	86	43.57803960	.00000920	00000-0	99999-4	0	1
16597	28.3794	297.1047	7316903	178.2936	187.2928	2.25801658				1
16597U	86	16	A	86	45.78492849	.00000834	00000-0	99999-4	0	2
16597	28.3117	296.3929	7315428	179.5227	181.2318	2.25803265				6
16597U	86	16	A	86	46.22925925	.00000150	00000-0	00000-0	0	3
16597	0.5684	272.0643	0210961	187.6732	197.4950	1.02089253				18

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Kosmos 1733

16611U	86	18	A	86	51.01841408	.00000011	00000-0	00000	0	0	2
16611	82.5254	162.3642	0019458	242.9065	117.0364	14.74657903					1
16611U	86	18	A	86	63.09993565	.00000177	00000-0	25019-4	0	0	20
16611	82.5225	151.2171	0021844	198.1763	161.8685	14.74232787					179

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16613U	86 19	A	86	53.21721322	-.00000019	00000-0	00000	0	0	2
16613	98.7356		129.2481	0003187	68.2320	291.8895	14.19773290			2
16613U	86 19	A	86	53.28769174	-.00000019	00000-0	00000	0	0	3
16613	98.7249		129.3087	0003075	74.9494	285.2027	14.19766717			3
16613U	86 19	A	86	53.35816544	.00000108	00000-0	59999-4	0	0	4
16613	98.7374		129.3888	0003956	85.6975	274.4512	14.19702481			4
16613U	86 19	A	86	54.20383897	.00000108	00000-0	59999-4	0	0	5
16613	98.7343		130.2204	0003203	68.2952	291.8518	14.197779753			16
16613U	86 19	A	86	54.90857192	.00000108	00000-0	59999-4	0	0	7
16613	98.7357		130.9145	0003032	72.3035	287.8562	14.19781129			26
16613U	86 19	A	86	56.24755803	.00000315	00000-0	16678-3	0	0	8
16613	98.7360		132.2367	0002960	70.2831	289.8887	14.19785125			45

16613U	86019	A	86058.36186356	.00000000	00000-0	00000-0	0	0011
06613	098.7376	134.3229	0001945	306.1894	053.9657	14.1946920400075		
16613U	86 19	A	86 58.99626080	.00002176	00000-0	10518-2	0	12
16613	98.7358		134.9475	0000258	98.0501	262.0319	14.19442494	84
16613U	86 19	A	86 60.68802608	.01394133	00000-0	52133	0 0	14
16613	98.7288	136.6200	0000956	82.2696	278.0210	14.19988418		108
16613U	86 19	A	86 61.74491137	.00822157	00000-0	33667	0 0	19
16613	98.7384	137.6600	0000881	245.3724	114.6935	14.20092177		123
16613U	86 19	A	86 62.09723767	.00000194	00000-0	99999-4	0	20
16613	98.7339		138.0065	0000421	85.9735	274.1466	14.20011225	128
16613U	86 19	A	86 62.6	.#0000194	00000-0	99999-4	0	218
16613	98.7332	138.4943	0000472	119.0776	241.0152	14.19995863		135
16613U	86 19	A	86 63.08371233	.00001381	00000-0	66685-3	0	22
16613	98.7344		138.9809	0000369	119.0681	241.0542	14.19998568	142
16613U	86019	A	86059.56019610	.00000000	00000-0	00000-0	0	0012
16613	098.7385		135.5062	0000755	273.0979	087.0666	14.1943969900092	
16613U	86 19	A	86 60.96984549	.00325904	00000-0	14508	0 0	15
16613	98.7345		136.8976	0000285	109.2241	250.9200	14.20051075	112
16613U	86 19	A	86 61.39256010	.00135258	00000-0	62205-1	0	18
16613	98.7319	137.3104	0000500	100.8533	258.9886	14.20013351		118

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16613U	86	19	A	86	63.99972096	.00000207	00000-0	11474-3	0	23
16613	98.7342	139.8856	0000349	125.9751	234.1308	14.19995188				155
16613U	86	19	A	86	64.91573559	.00000329	00000-0	17288-3	0	25
16613	98.7338	140.7897	0000299	135.3768	224.7507	14.19996998				168
16613U	86	19	A	86	67.66367159	.00065235	00000-0	30346-1	0	29
16613	98.8334	143.5032	0000361	125.7068	234.2225	14.20034711				207
16613U	86	19	A	86	70.97534421	.00010555	00000-0	49680-2	0	34
16613	98.7316	146.7700	0000487	141.6946	218.3417	14.20051072				254
16613U	86	19	A	86	71.96178914	.00010555	00000-0	49680-2	0	35
16613	98.7306	147.7444	0000973	109.8284	250.1600	14.20048336				268

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Kosmos 1734

16618U	86 20	A 86	57.62234857	- .00004022	27670-4	00000	0 0	0 0	1
16618	67.1306	347.3792	0133968	95.9441	265.5723	16.06561567			1
16618U	86020	A 86057.87140729	.00379682	00000-0	00000-0	0 0	0002		
16618	067.1252	346.5476	0139552	094.9541	266.7824	16.0672774100005			
16618U	86020	A 86058.24484265	.00573037	00000-0	00000-0	0 0	0003		
16618	067.1225	345.2853	0138905	094.7075	267.0221	16.0720475700011			
16618U	86 20	A 86 58.99139009	.00507763	27896-4	15966-3	0			3
16618	67.1191	342.7582	0132672	93.8776	267.5028	16.07949537			23
16618U	86 20	A 86 60.66994747	.00611511	28667-4	17559-3	0			5
16618	67.1177	337.0751	0127291	92.3138	269.4926	16.09875705			50
16618U	86 20	A 86 61.78774334	.00535283	28127-4	14477-3	0			8
16618	67.1170	333.2825	0123404	91.1701	270.4254	16.11218405			68

16618U	86 20	A 86	62.03601485	.00607324	28364-4	16206-3 0	9
16618U	67.1176	332.4387	0122302	90.8659	270.7105	16.11556658	72
16618U	86 20	A 86	63.09065047	.00673932	28202-4	16808-3 0	10
16618	67.1176	328.8487	0118526	89.8858	271.6817	16.12921476	89
16618U	86 20	A 86	64.51591406	.00809524	28934-4	18274-3 0	14
16618	67.1153	323.9877	0112708	88.0033	272.8949	16.14967004	112
16618U	86 20	A 86	65.01133121	.00478034	27530-4	18274-3 0	16
16618	67.1153	322.2977	0133760	103.6440	254.1397	16.05865876	120
16618U	86 20	A 86	65.32337871	.00412025	28058-4	15810-3 0	17
16618	67.1157	321.2472	0132828	103.3655	258.0962	16.06031899	125
16618U	86 20	A 86	65.94606661	.00485395	28026-4	18208-3 0	18
16618	67.1159	319.1460	0130756	102.7736	258.9493	16.06657810	135
16618U	86 20	A 86	66.19503237	.00633435	28023-4	23307-3 0	19
16618	67.1141	318.3063	0129594	102.2986	259.4232	16.07061851	139
16618U	86 20	A 86	67.06602863	.00614318	28202-4	21553-3 0	22
16618	67.1134	315.3622	0126597	101.5686	259.9653	16.08129461	153
16618U	86 20	A 86	67.56349578	.00407870	27771-4	21553-3 0	23
16618	67.1155	313.6797	0145787	88.9314	270.8964	16.00153656	161
16618U	86 20	A 86	67.93882983	.00409688	27330-4	21553-3 0	24
16618	67.1129	312.4237	0144721	88.6259	273.0781	16.00414611	167

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16618U	86 20	A 86	68.93850116	.00414899	27745-4	21553-3 0	25
16618	67.1149	309.0762	0141677	87.5475	273.9904	16.01161788	183
16618U	86 20	A 86	69.56309159	.00322716	27850-4	16189-3 0	26
16618	67.1132	306.9857	0141849	86.5063	274.9719	16.01522663	193
16618U	86 20	A 86	70.12518506	.00255629	27859-4	12634-3 0	27
16618	67.1134	305.1021	0141047	86.1811	275.7783	16.01873336	202
16618U	86 20	A 86	70.99915515	.00261845	27558-4	12634-3 0	28
16618	67.1146	302.1716	0139877	84.8523	276.9168	16.02352988	216
16618U	86 20	A 86	71.56086803	.00330541	27677-4	15658-3 0	29
16618	67.1128	300.2854	0138455	84.7838	277.1632	16.02798031	225
16618U	86 20	A 86	71.93520773	.00331315	27687-4	15658-3 0	30
16618	67.1134	299.0288	0137313	84.6920	277.0095	16.03051259	231
16618U	86 20	A 86	72.68379368	.00382440	27818-4	17356-3 0	31
16618	67.1101	296.5114	0136215	83.5872	278.3016	16.03673078	243
16618U	86 20	A 86	73.05792939	.00390364	27546-4	17644-3 0	32
16618	67.1102	295.2569	0134835	83.5151	278.2136	16.03988512	249

16618U	86 20	A 86	73.43201582	.00521320	27969-4	22973-3	0	33
16618	67.1095	293.9962	0133882	82.8815	278.9028	16.04413926		255
16618U	86 20	A 86	73.93062159	.00426802	27879-4	18530-3	0	34
16618	67.1105	292.3154	0132752	82.6398	278.8323	16.04808960		263
16618U	86 20	A 86	74.74068098	.00337688	27939-4	14332-3	0	35
16618	67.1122	289.5869	0130994	81.5837	279.9096	16.05416459		276
16618U	86 20	A 86	74.92758682	.00488924	27756-4	19244-3	0	36
16618	67.1141	288.9552	0118058	82.7238	280.1080	16.08699164		279
16618U	86 20	A 86	75.54896230	.00282165	27712-4	10913-3	0	37
16618	67.1116	286.8525	0117051	82.1040	279.0776	16.09132435		289
16618U	86 20	A 86	75.92192220	.00437128	27984-4	16555-3	0	38
16618	67.1121	285.5888	0116022	81.6788	279.8801	16.09494799		295
16618U	86 20	A 86	76.97801508	.00439436	28458-4	15996-3	0	39
16618	67.1119	282.0067	0113208	80.8475	280.5864	16.10438375		312
16618U	86 20	A 86	77.90935960	.00440825	28045-4	15454-3	0	40
16618	67.1104	278.8448	0110834	79.8258	281.5520	16.11270251		327
16618U	86 20	A 86	78.21970083	.00418576	28122-4	14378-3	0	41
16618	67.1118	277.7864	0110123	79.2375	282.2289	16.11614475		332
16618U	86 20	A 86	78.90222728	.00572128	28298-4	19005-3	0	42
16618	67.1124	275.4641	0107989	78.8604	282.6263	16.12330734		343

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16620U	86021	A	86058.19289880	.00000000	00000-0	00000-0	0	0001
16620	065.0357		217.1698	0013043	283.0498	076.9122	15.50167831	000002
16620U	86021	A	86058.32189418	.00000000	00000-0	00000-0	0	0002
16620	065.0370		216.7241	0013886	285.5807	074.3736	15.50590878	000004
16620U	86 21	A	86 59.15953878	.00054142	00000-0	88776-3	0	4
16620	65.0398		213.9064	0010794	269.0534	90.6421	15.52074191	17
16620U	86 21	A	86 60.96364151	.00057565	00000-0	94048-3	0	6
16620	65.0356		207.8091	0011032	268.7141	90.8367	15.52150560	45
16620U	86 21	A	86 62.05901709	.00057483	00000-0	94048-3	0	9
16620	65.0372		204.1082	0010692	269.8070	89.7101	15.52116544	62
16620U	86 21	A	86 63.09004862	.00057421	00000-0	94048-3	0	10
16620	65.0366		200.6259	0010778	271.8480	88.0583	15.52084984	78

16620U	86	21	A	86	65.02314905	.00057391	00000-0	93999-3	0	19	
16620					65.0360	194.0916	0010820	269.4255	90.5871	15.52085429	108
16620U	86	21	A	86	70.11370742	.00004781	00000-0	80777-4	0	20	
16620					65.0375	176.8992	0009632	270.7094	89.2940	15.52098916	187
16620U	86	21	A	86	71.98231052	.00004781	00000-0	80777-4	0	22	
16620					65.0380	170.5823	0010491	275.6156	84.3689	15.52088045	216
16620U	86	21	A	86	75.97742635	.00096090	00000-0	15679-2	0	26	
16620					65.0344	157.0799	0009968	267.7659	92.2523	15.52007651	278
16620U	86	21	A	86	156.71592540	.00051148	00000-0	83816-3	0	140	
16620					65.0381	244.2811	0010198	269.3971	90.4231	15.52117056	15310
16620U	86	21	A	86	211.03548590	.00002541	00000-0	44112-4	0	212	
16620					65.0365	60.7387	0009514	270.2625	89.5301	15.52074102	2374
16620U	86	21	A	86	211.93761328	.00002540	00000-0	44112-4	0	213	
16620					65.0362	57.6898	0009828	269.2138	90.6972	15.52049995	2388

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16643U	86 22	A 86	72.57679196	-.00008315	57305-4	00000 0 0	1
16643	51.6118	8.6872	0033935	105.0099	255.3640	16.21485646	1
16643U	86 22	A 86	72.70007012	-.00008306	57448-4	00000 0 0	2
16643	51.6191	7.9989	0033246	105.8883	254.6117	16.21525016	3
16643U	86 22	A 86	72.82331861	-.00000636	00000-0	00000 0 0	3
16643	51.6256	7.3816	0038123	19.5929	336.4559	16.02802811	5
16643U	86 22	A 86	73.07343709	-.00000639	00000-0	00000 0 0	4
16643	51.6297	6.0424	0036560	19.6593	340.9697	16.03254457	9
16643U		86	73.75894818	0.00648349	21288-3	91039-3 0	5
16643	51.6292	2.3711	0037164	22.8792	337.4726	16.03727794	20
16643U	86 22	A 86	73.94585425	.00041244	00000-0	58159-4 0	6
16643	51.6254	1.3657	0036799	23.6561	336.4578	16.03673006	23
16643U	86 22	A 86	74.50669876	.00015387	00000-0	58159-4 0	7
16643	51.6306	358.3632	0029678	24.2760	335.1638	15.86725108	32

16643U	86 22	A	86 75.89969475	.00009871	00000-0	58159-4 0	9
16643	51.6299	351.1626	0004856	162.1405	197.9773	15.78194439	54
16643U	86 22	A	86117.82820993	.00015246	00000-0	95073-4 0	45
16643	51.6179	135.3266	0007416	77.7820	282.2164	15.76596233	715
16643U	86 22	A	86162.86795104	.00013381	00000-0	79045-4 0	90
16643	51.6225	262.7554	0004059	273.3687	86.6889	15.77925388	1426
16643U	86 22	A	86177.43191047	.00029856	00000-0	16248-3 0	100
16643	51.6226	187.4779	0000945	92.8523	267.2581	15.7969299324122	
16643U	86 22	A	86178.82765810	.00023096	00000-0	16248-3 0	102
16643	51.6199	180.2720	0026042	268.8606	90.8942	15.7356286024144	
16643U	86 22	A	86178.82765810	.00023096	00000-0	16248-3 0	103
16643	51.6199	180.2720	0026042	268.8606	90.8942	15.73562860	1678
16643U	86 22	A	86181.93945268	.00023130	00000-0	16248-3 0	106
16643	51.6210	164.2938	0025942	284.1777	75.4273	15.73600791	1727
16643U	86 22	A	86182.95556442	.00023117	00000-0	16248-3 0	107
16643	51.6211	159.0787	0026107	285.6158	73.9370	15.73578719	1743
16643U	86 22	A	86183.90819505	.00023648	00000-0	16248-3 0	108
16643	51.6214	154.1910	0027220	284.2800	75.4147	15.74054404	1758
16643U	86 22	A	86185.68636120	.00056553	00000-0	38760-3 0	110
16643	51.6189	145.0589	0025683	295.0188	64.9232	15.73702546	1786
16643U	86 22	A	86186.89281973	.00056738	00000-0	38760-3 0	111
16643	51.6175	138.8633	0026078	299.9860	59.6522	15.73763679	1805

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6645U	86	23	A	86	78.47640342	-.00008324	57530-4	00000	0	0	1
6645	51.6593	338.3969	0051625	101.5798	259.7260	16.21101599					1
6645U	86	23	A	86	78.72286933	.11870949	57839-4	40692-2	0	0	2
6645	51.6321	336.9847	0049902	102.4085	258.2931	16.21167299					5
6645U	86	23	A	86	78.90779886	.00605737	57918-4	20590-3	0	0	3
6645	51.6389	335.9721	0050087	102.6141	258.2003	16.21379224					8
6645U	86	23	A	86	79.03103162	.00404101	57301-4	13749-3	0	0	4
6645	51.6378	335.2921	0049804	103.5945	257.0571	16.21478090					10
6645U	86	23	A	86	79.46238522	.00380470	57755-4	12652-3	0	0	5
6645	51.6363	332.9177	0049290	105.1594	255.4643	16.21810353					17

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647U	86	24	A	86121.93974004	.00017138	00000-0	23015-4	0	69
647	64.9929	212.5593	0010084	267.7809	92.1615	16.06330986			667
647U	86	24	A	86122.87362180	.00016807	00000-0	22535-4	0	70
647	64.9927	209.1361	0010103	268.4416	91.5522	16.06362016			682
647U	86	24	A	86123.93197673	.00009716	00000-0	13179-4	0	72
647	64.9933	205.2537	0010297	270.2310	89.8394	16.06447435			699
647U	86	24	A	86124.30548886	.00013858	00000-0	18855-4	0	73
647	64.9926	203.8835	0010296	268.1171	91.6426	16.06206340			705
16647U	86	24	A	86124.86589957	.00032845	00000-0	43689-4	0	74
16647	64.9936	201.8296	0010154	265.5562	94.5342	16.06271369			714
16647U	86	24	A	86125.86204044	.00022245	00000-0	29744-4	0	75
16647	64.9942	198.1785	0010017	266.2629	93.6725	16.06309789			730
16647U	86	24	A	86126.85819108	.00022467	00000-0	29949-4	0	76
16647	64.9939	194.5272	0010056	266.4466	93.5554	16.06355166			746

16647U	86 24	A	86127.97881368	.00031883	00000-0	41994-4 0	77
16647	64.9934		190.4164	0010147	268.7720	91.3269 16.06439101	764
16647U	86 24	A	86128.85034518	.00031948	00000-0	41994-4 0	78
16647	64.9934		187.2172	0009990	270.8787	89.0481 16.06474260	778
16647U	86 24	A	86129.22387460	.00031436	00000-0	41994-4 0	79
16647	64.9936		185.8517	0009711	263.0597	96.6796 16.06223417	784
16647U	86 24	A	86130.84269129	.00019621	00000-0	26304-4 0	81
16647	64.9923		179.9137	0010026	264.8971	95.0622 16.06308756	810
16647U	86 24	A	86131.58980700	.00019645	00000-0	26304-4 0	82
16647	64.9925		177.1752	0010037	266.2284	93.7411 16.06329225	822
16647U	86 24	A	86131.65207143	.00019650	00000-0	26304-4 0	83
16647	64.9919		176.9456	0010029	266.5768	93.4241 16.06331100	823
16647U	86 24	A	86133.95560321	.00011198	00000-0	15172-4 0	86
16647	64.9922		168.5008	0010000	267.2377	92.7417 16.06386040	860
16647U	86 24	A	86134.88944993	.00013260	00000-0	17841-4 0	87
16647	64.9922		165.0755	0010071	268.0588	91.9557 16.06413161	875
16647U	86 24	A	86135.44974500	.00058566	00000-0	77011-4 0	88
16647	64.9944		163.0195	0010790	265.8727	93.8114 16.06283245	884
16647U	86 24	A	86140.86628112	.00112134	10186-4	15035-3 0	95
16647	64.9931		143.1576	0010156	267.4912	92.3640 16.06321648	971

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16647U	86 24	A	86141.23985096	.00137219	13045-4	18318-3 0	96
16647	64.9915		141.7806	0010327	264.0170	95.9149 16.06344356	977
16647U	86 24	A	86141.92466219	.00055500	00000-0	72755-4 0	97
16647	64.9908		139.2752	0010205	268.9229	90.8063 16.06359966	988
16647U	86 24	A	86141.98696652	.00055343	00000-0	72755-4 0	98
16647	64.9921		139.0474	0010409	269.8900	90.0947 16.06312507	989
16647U	86 24	A	86161.90955690	.00014559	00000-0	19519-4 0	131
16647	64.9953		65.9925	0010009	266.3421	93.6660 16.06430048	1309
16647U	86 24	A	86163.90183555	.00014410	00000-0	19519-4 0	133
16647	64.9944		58.6828	0009881	264.9893	94.9049 16.06271633	1341
16647U	86 24	A	86164.83576217	.00001314	00000-0	22319-5 0	134
16647	64.9936		55.2598	0010217	266.4813	93.5138 16.06285304	1356
16647U	86 24	A	86165.89419049	.00013133	00000-0	17770-4 0	135
16647	64.9934		51.3804	0010088	266.0221	94.0822 16.06326146	1373
16647U	86 24	A	86166.82804929	.00033612	00000-0	44500-4 0	136
16647	64.9957		47.9563	0010227	267.4670	92.5223 16.06338861	1388

16647U	86 24	A	86167.82416624	.00033706	00000-0	44500-4 0	137
16647	64.9978		44.3045 0009955	264.7509	95.2308	16.06387999	1404
16647U	86 24	A	86168.88250654	.00010145	00000-0	13781-4 0	138
16647	64.9951		40.4230 0010181	268.0267	91.8518	16.06399920	1421
16647U	86 24	A	86169.62959682	.00028738	00000-0	38349-4 0	139
16647	64.9912		37.6787 0010022	265.3931	94.5492	16.06261687	1433
16647U	86 24	A	86170.62571997	.00105893	96703-5	14202-3 0	141
16647	64.9906		34.0298 0010206	268.4211	91.2923	16.06333088	1449
16647U	86 24	A	86170.99931206	.00106159	97433-5	14202-3 0	142
16647	64.9955		32.6595 0010559	266.1766	93.7581	16.06367562	1455
16647U	86 24	A	86171.99546739	.00014026	00000-0	18911-4 0	144
16647	64.9940		29.0069 0010154	264.7360	95.2828	16.06347235	1471
16647U	86 24	A	86172.78853123	-.00000035	00000-0	00000 0 0	145
16647	64.9906		26.4622 0059474	282.0195	77.4254	13.78774598	1461

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648U	86 25	A	86118.89150746	.00000260	00000-0	57999-5 0	58
648	73.3581		82.3731	0009184	233.8739	126.1623 15.47933221	528
648U	86 25	A	86123.93273979	.00001886	00000-0	36999-4 0	68
648	73.3578		70.8934	0008677	240.0658	119.9236 15.47851202	606
16648U	86 25	A	86124.96687425	.00079655	00000-0	15155-2 0	69
16648	73.3587		68.5388	0008963	240.5719	119.3855 15.47821663	622
16648U	86 25	A	86125.93635263	.00113604	00000-0	21531-2 0	70
16648	73.3598		66.3328	0008546	241.0548	118.7203 15.47804091	637
16648U	86 25	A	86161.93632484	-.00000044	00000-0	00000 0 0	122
16648	73.3592		344.3515	0010121	253.4415	106.7879 15.47946258	1195
16648U	86 25	A	86210.99168659	.00010223	00000-0	19644-3 0	188
16648	73.3539		232.6369	0008644	237.2931	122.7766 15.47999904	1953

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GSTAR 2

Upp 28 mars från Kourou m. Ariane V17

166490	86	26	A	86133.64973135	-	.00000061	00000-0	99999-4	0	15
16649				0.0652 138.5929	0000735	312.5088	268.9279	1.00275426		49

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16667U	86	27	A	86139.09856782	-.00000076	00000-0	00000	0	0	41
16667				1.3606	258.2814	0009810	274.3704	85.8294	1.00277579	46
16667U	86	27	A	86126.13005554	-.00000079	00000-0	00000	0	0	33
16667				1.3902	256.5355	0009772	267.5769	92.6101	1.00276574	33
567U	86	27	A	86118.15231645	-.00000080	00000-0	99999-4	0	0	29
567				1.4194	256.7743	0009498	268.7887	91.1719	1.00277365	25
567U	86	27	A	86117.15525352	-.00000080	00000-0	99999-4	0	0	28
567				1.4184	256.9305	0009423	268.8655	90.9947	1.00277549	24
570U	86	27	D	86117.64640076	.00000526	00000-0	23437-3	0	0	17
570				47.3301	251.4187	7322629	5.8974	359.1407	2.21879326	54

86-28A

Kosmos 1739

77U	86	28	A	86121.94526744	.00460129	34780-4	17142-3	0	45
77	64.8670	268.9278	0107527	103.2420	258.3930	16.11243226			365
77U	86	28	A	86122.87598626	.00634765	34535-4	22826-3	0	46
77	64.8658	265.4726	0103869	102.5423	258.8329	16.12263588			380
77U	86	28	A	86123.06204291	.00985603	34500-4	35137-3	0	47
77	64.8643	264.7835	0102519	101.1638	260.0978	16.12576863			383
6677U	86	28	A	86124.92109268	.00640976	34594-4	20605-3	0	51
6677	64.8651	257.8536	0094881	101.5130	259.7616	16.15063662			413
16677U	86	28	A	86125.84955170	.00609488	35145-4	18656-3	0	52
16677	64.8642	254.3853	0091381	101.0458	259.9695	16.16196538			428
16677U	86	28	A	86126.46820802	.00976485	35384-4	28961-3	0	53
16677	64.8692	252.0710	0087738	100.6201	260.6481	16.17139058			438
6677U	86	28	A	86126.77865850	.00528539	34679-4	24587-3	0	55
6677	64.8660	250.9186	0111618	117.4447	243.7947	16.08144045			443

16677U	86 28	A	86127.46257267	.00573346	34009-4	25881-3 0	56
16677	64.8637	248.3872	0109340	117.0271	244.2346	16.08884973	454
16677U	86 28	A	86127.95975317	.00510744	34795-4	22684-3 0	57
16677	64.8660	246.5517	0107611	116.7943	244.3700	16.09395258	462
16677U	86 28	A	86128.82947391	.00423404	34704-4	18443-3 0	58
16677	64.8645	243.3283	0104989	116.6586	244.2129	16.10111447	476
16677U	86 28	A	86129.26426331	.00420039	34529-4	18129-3 0	59
16677	64.8642	241.7170	0103598	116.1913	244.9674	16.10468774	483
16677U	86 28	A	86129.63682049	.01431645	34705-4	64246-3 0	60
16677	64.8649	240.3383	0102936	117.6036	243.3169	16.10086389	489
16677U	86 28	A	86130.81669457	.00382023	34603-4	16667-3 0	63
16677	64.8659	235.9631	0100326	117.1416	244.0132	16.10969475	8
16677U	86 28	A	86133.73240008	.00465992	34654-4	18911-3 0	67
16677	64.8655	225.1301	0091593	115.7722	245.4201	16.13292782	555
16677U	86 28	A	86138.88034453	.00382907	34644-4	19949-3 0	75
16677	64.8603	205.9916	0114939	130.9462	230.1718	16.06329541	638
16677U	86 28	A	86140.87177394	.00366869	34694-4	18342-3 0	77
16677	64.8630	198.6434	0109736	129.7537	231.4446	16.07763759	670
16677U	86 28	A	86146.02855745	.00406865	34867-4	18188-3 0	83
16677	64.8586	179.5451	0095165	128.6760	232.5070	16.11634080	753
16677U	86 28	A	86146.89707469	.00408525	34788-4	17702-3 0	85
16677	64.8581	176.3160	0093028	128.5319	232.4176	16.12350652	767

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Kosmos 1739

forts. 1

16677U	86 28	A	86148.07520828	.00417681	34923-4	17436-3	0	86
16677	64.8581	171.9326	0089650	128.2026	232.7656	16.13347160		786
16677U	86 28	A	86148.94283136	.00398216	34893-4	16169-3	0	87
16677	64.8582	168.7004	0087326	128.2935	232.6127	16.14057605		800
16677U	86 28	A	86150.61509421	.00112536	81738-5	15162-3	0	89
6677	64.8600	162.4595	0095758	79.5162	277.6475	15.97746214		827
16677U	86 28	A	86150.80357051	.00283798	34648-4	15162-3	0	90
16677	64.8617	161.7770	0114518	64.2324	299.7402	16.06181795		830
16677U	86 28	A	86151.55021122	.00589286	34560-4	30920-3	0	92
6677	64.8596	159.0262	0112225	64.1263	297.3876	16.06712505		842
16677U	86 28	A	86151.92357592	.00347434	33796-4	18137-3	0	93
16677	64.8593	157.6493	0111708	63.8402	297.2162	16.06927129		848
16677U	86 28	A	86151.92357592	.00347434	33796-4	18137-3	0	94
16677	64.8593	157.6493	0111708	63.8402	297.2162	16.06927129		848
16677U	86 28	A	86152.85694429	.00353675	34497-4	18050-3	0	95
16677	64.8586	154.2052	0109331	63.4224	297.8761	16.07618948		863

77U	86	28	A	86153.29234774	.00363166	34309-4	18266-3	0	96
77	64.8587	152.5966	0108442	63.2112	298.0103	16.07939352			870
77U	86	28	A	86153.35454259	.00507048	34763-4	18266-3	0	97
77	64.8567	152.3669	0088318	50.8637	313.1064	16.15116082			871
77U	86	28	A	86153.84929169	.00529777	34570-4	18266-3	0	98
77	64.8603	150.5105	0087679	50.3648	310.5872	16.15677432			879
77U	86	28	A	86154.65373855	.00502767	34654-4	16630-3	0	99
77	64.8573	147.5040	0085433	50.0138	310.7929	16.16504796			892
16677U	86	28	A	86154.90119391	.00507499	35190-4	16630-3	0	100
16677	64.8580	146.5777	0084510	49.9086	310.9563	16.16762811			896
16677U	86	28	A	86155.39596517	.00519125	35282-4	16630-3	0	101
16677	64.8594	144.7253	0082510	50.1003	310.8536	16.17341705			904
16677U	86	28	A	86155.89053976	.00555141	35126-4	17209-3	0	102
16677	64.8578	142.8711	0081168	49.5417	311.3177	16.17900624			912
16677U	86	28	A	86156.63209661	.00539705	35367-4	16026-3	0	103
16677	64.8565	140.0892	0078689	49.7576	311.1437	16.18765737			924
16677U	86	28	A	86156.87917831	.00445665	34500-4	16026-3	0	104
16677	64.8646	139.2075	0104982	56.5588	299.9118	16.12086688			928
77U	86	28	A	86158.49213012	.00469577	34767-4	15674-3	0	106
77	64.8553	133.1667	0100507	54.7322	306.3353	16.13669646			954

86-29A

Kosmos 1740

98U	79	29	A	86118.79428529	.00003488	00000-0	40738-4	0	1
98	72.8741	351.4553	0046114	177.4890	182.3662	15.60535263	208		
98U	1986-029			86119.24308599	.00058514	00000-0	66936-3	0	2
98	72.8760	350.3808	0045067	177.0294	183.2005	15.60586822	216		
98U	1986-029			86119.56359247	.00040222	00000-0	46051-3	0	3
98	72.8764	349.6173	0045421	176.3591	183.7999	15.60618579	221		
79U	86	29	A	86117.89684617	.00003277	00000-0	38299-4	0	28
79	72.8755	353.5935	0044185	184.8802	175.1082	15.60664315	194		
79U	86	29	A	86117.89684617	.00003277	00000-0	38299-4	0	27
79	72.8755	353.5935	0044185	184.8802	175.1082	15.60664315	194		

86-30A

Kosmos 1741

581U	86	30	A	86117.80878582	-.00000012	00000-0	00000	0	0	7
581				74.0254	151.3761	0020268	336.1844	23.8316	14.28638751	142
581U	86	30	A	86123.06062905	-.00000012	00000-0	00000	0	0	10
581				74.0256	141.8452	0020484	325.5301	34.4517	14.28638442	217
16681U	86	30	A	86130.69330238	-.00000012	00000-0	00000	0	0	12
16681				74.0245	127.9900	0020830	310.5431	49.3856	14.28639777	326

86-31A

Molnija 3-28

16683U	86	31	A	86127.43315308	-.00000199	00000-0	00000	0	0	10
16683	62.8660	91.4266	7369339	288.1716	9.4575	2.00636680				38
16683U	86	31	A	86131.42042404	-.00000201	00000-0	00000	0	0	12
16683	62.8858	90.8146	7370288	288.1738	9.4621	2.00634691				46

86-32A

Progress 26

Ned: 23, 2 mi
1980

687U	86	32	A	86122.01162602	.00014645	00000-0	91415-4	0	22
687	51.6186	113.7447	0008007	97.2655	262.8891	15.76594499	130		
687U	86	32	A	86122.01162602	.00014645	00000-0	91415-4	0	23
687	51.6186	113.7447	0008007	97.2655	262.8891	15.76594499	130		
16687U	86	32	A	86129.85600495	.00018607	00000-0	91415-4	0	32
16687	51.6157	73.1167	0026842	138.3535	221.9491	15.81271778	254		
16687U	86	32	A	86130.93034162	.00015299	00000-0	91415-4	0	33
16687	51.6176	67.5342	0008785	111.2407	243.0348	15.77548346	271		
16687U	86	32	A	86131.81822647	.00015337	00000-0	91415-4	0	34
16687	51.6140	62.9696	0009045	124.9250	235.3749	15.77598845	285		
16687U	86	32	A	86132.70502087	.00015358	00000-0	91415-4	0	35
16687	51.6172	58.3864	0009161	134.8115	225.3798	15.77627400	299		

86-33A

Kosmos 1742

16717U	86033	A	86134.51950503	.00000000	00000-0	00000-0	0	0002
16717	072.8942		066.9500	0123218	085.0514	276.5289	15.9825270100000	
16717U	86 33	A	86134.58209832	-.00001680	11681-4	00000	0 0	1
16717	72.8413		66.8106	0123099	85.2489	276.3186	15.98256013	1
16717U	86 33	A	86134.89506835	-.00001659	11399-4	00000	0 0	2
16717	72.8705		66.0079	0122919	84.3015	277.2176	15.98226751	6
16717U	86 33	A	86134.95766477	.00132276	11646-4	12281-3	0	3
16717	72.8703		65.8493	0122908	84.3656	277.1567	15.98246428	7
16717U	86 33	A	86137.64416173	.00010654	00000-0	12281-3	0	7
16717	72.8750		59.4168	0048067	210.5729	149.1535	15.60594680	49
16717U	86 33	A	86138.86218418	.00010647	00000-0	12281-3	0	9
16717	72.8749		56.5084	0048101	206.9538	152.8265	15.60567376	68

16717U	86	33	A	86140.84944122	.00072005	00000-0	81940-3 0	11
16717	72.8759	51.7660	0047898	203.0451	156.4407	15.60507237	99	
16717U	86	33	A	86141.87519221	.00072062	00000-0	81940-3 0	13
16717	72.8768	49.3152	0047659	200.3764	159.2893	15.60542046	115	
16717U	86	33	A	86146.04227008	.00011146	00000-0	12923-3 0	20
16717	72.8809	39.3783	0047166	191.3497	168.4098	15.60482136	180	
16717U	86	33	A	86147.38861631	.00019363	00000-0	22361-3 0	22
16717	72.8773	36.1631	0046941	188.4026	171.5706	15.60452736	201	
16717U	86	33	A	86148.09383775	.00087734	00000-0	99999-3 0	23
16717	72.8827	34.4838	0047272	186.6269	173.3884	15.60450674	212	

86-34A

Kosmos 1743

167190	86 34	A	86135.24203341	.00000011	00000-0	00000 0 0	1
16719	82.5461		325.9678 0037085	251.7187	108.0003	14.76912774	0
167190	86 34	A	86135.51361581	.00000011	00000-0	00000 0 0	2
16719	82.5529		325.7140 0022893	269.3063	90.5471	14.73859668	4
167190	86 34	A	86135.71728878	.00000011	00000-0	00000 0 0	4
16719	82.5529		325.5269 0022893	268.6447	91.2222	14.73872054	7
167190	86 34	A	86141.96312735	.00000130	00000-0	18089-4 0	12
16719	82.5569		319.7956 0022823	246.7435	113.1381	14.73884387	99

86-35A

Soyuz TM 1

Lpp: 21 maj

Ned: 30 maj

16722U	86 35	A	86149.56417509	.00173715	00000-0	99999-3	0	10
16722	51.6423	331.3904	0008398	220.6310	144.1686	15.77614512	130	
16722U	86 35	A	86149.75336280	.00175570	00000-0	99999-3	0	11
16722	51.6260	330.4481	0006341	226.4261	133.6231	15.77867090	133	

86-36A

Kosmos 1744

Ned: 4, Juni '86

16724U	86 36	A	86142.30327057	.00068503	88298-5	10876-3	0	4
16724	62.8147	74.3309	0115171	108.3980	252.9806	15.92375964	10	
16724U	86 36	A	86146.07053582	.00065191	88941-5	10202-3	0	7
16724	62.8163	59.6944	0113638	108.9285	252.4754	15.92874735	70	
16724U	86 36	A	86148.07922380	.00068361	88757-5	10587-3	0	9
16724	62.8164	51.8845	0112643	109.0115	252.3462	15.93166178	102	
16724U	86 36	A	86148.89515013	.00067552	90840-5	10401-3	0	10
16724	62.8165	48.7129	0112559	109.2693	252.0549	15.93278726	115	
16724U	86 36	A	86149.96205031	.00066509	00000-0	99196-4	0	11
16724	62.8152	44.5623	0111849	109.2430	252.0396	15.93415491	132	
16724U	86 36	A	86151.84460795	.00066111	90400-5	10120-3	0	13
16724	62.8154	37.2366	0110824	109.5121	251.8288	15.93666399	162	

16724U	86	36	A	86151.84460795	.00066111	90400-5	10120-3	0	14
16724	62.8154	37.2366	0110824	109.5121	251.8288	15.93666399	15.93666399	152	162
16724U	86	36	A	86152.84850230	.00079158	90666-5	11975-3	0	15
16724	62.8167	33.3278	0110240	109.7983	251.6181	15.93843641	15.93843641	178	178
724U	86	36	A	86153.85226210	.00079155	90004-5	11975-3	0	16
724	62.8159	29.4205	0109227	109.5568	251.7543	15.94009494	15.94009494	194	194
16724U	86	36	A	86154.79320757	.00079816	91782-5	11975-3	0	17
16724	62.8134	25.7574	0109087	109.6190	251.6524	15.94154678	15.94154678	209	209

86-37A

Kosmos 1745

16727U	86	37	A	86143.59677580	.000000006	00000-0	00000	0	0	1
16727	82.9609	102.5507	0029829	281.0599	78.7443	13.72761949				1
27U	86	37	A	86153.07012799	.000000006	00000-0	00000	0	0	10
27	82.9555	95.5715	0030222	255.4742	104.3053	13.73043104				131

86-38A

Ekran 15

5729U	86	38	A	86145.06710100	-.00000272	00000-0	99999-4	0	3
5729	0.3539	273.1489	0017849	241.7900	205.1645	1.01117565	30		
5729U	86	38	A	86147.04505382	-.00000266	00000-0	99999-4	0	6
5729	0.3524	275.8886	0017428	238.3850	205.8489	1.01110340	3		
5729U	86	38	A	86149.04067238	-.00000256	00000-0	99999-4	0	11
5729	0.3516	273.5966	0004308	3.2944	81.8302	1.00254733	5		
9U	86	38	A	86153.03369712	-.00000266	00000-0	99999-4	0	13
9	0.3351	273.6874	0002640	354.8669	91.7013	1.00292663	9		
5730U	86	38	B	86145.71401714	.03342237	59317-4	28755-3	0	12
5730	51.6166	267.1258	0006738	253.5551	106.4935	16.38529315	27		

86-39A

Meteor 2-14

16735U	86 39	A	86147.45404667	.00000006	00000-0	00000 0 0	1
16735	82.5441		53.9518	0004127	277.7360	74.0909 13.82945009	1
16735U	86 39	A	86148.39571945	.00013508	00000-0	12174-1 0	3
16735	82.5398		53.2102	0013132	261.8534	98.1061 13.83730792	14
16735U	86 39	A	86151.21569928	.00009016	00000-0	81259-2 0	4
16735	82.5387		50.9686	0013304	253.4773	106.1733 13.83745967	53
735U	86 39	A	86154.10804282	.00008780	00000-0	79144-2 0	5
735	82.5397		48.6728	0013188	243.2916	116.3177 13.83745101	93
16735U	86 39	A	86163.00209340	.00008783	00000-0	79144-2 0	7.
16735	82.5391		41.6059	0011798	224.4469	135.5738 13.83768196	216

86-40A

Kosmos 1746

Ned: 12, 2nd '86

16737U	86 40	A	86148.38090474	.00000866	-60399-5	00000 0 0	1
16737	82.3717		29.4658 0076282	92.5277	268.4915	16.16129395	1
16737U	86 40	A	86148.93819630	.00408330	-56156-5	17030-3 0	3
16737	82.3306		28.8116 0074526	91.6420	269.3702	16.16188038	10
16737U	86 40	A	86149.43354764	.00005579	00000-0	90221-5 0	5
16737	82.3243		28.2506 0012385	343.7392	6.6987	16.03073828	18
16737U	86 40	A	86149.93457189	.00005571	00000-0	90221-5 0	7
16737	82.3311		27.6601 0009969	315.3305	44.7173	16.03123440	26
16737U	86 40	A	86150.24667503	.00062317	94455-6	10153-3 0	8
16737	82.3344		27.3011 0010294	316.8042	43.2297	16.03128159	31
16737U	86 40	A	86151.24541558	.00104033	38449-5	16986-3 0	10
16737	82.3321		26.1490 0010187	312.8266	47.1835	16.03125912	47
16737U	86 40	A	86151.80718610	.00005369	00000-0	86856-5 0	11
16737	82.3332		25.5055 0010217	309.5887	50.3178	16.03119526	56

16737U	86 40	A	86152.80593938	.00004212	00000-0	67772-5 0	13
16737	82.3317		24.3562	0010155	304.0767	56.0903 16.03164288	72
16737U	86 40	A	86153.86703827	.00004216	00000-0	67772-5 0	14
16737	82.3334		23.1368	0010095	299.3828	60.7773 16.03206347	89
16737U	86 40	A	86154.86569264	.00004227	00000-0	67772-5 0	15
16737	82.3305		21.9859	0010205	293.3297	66.8067 16.03243418	105
16737U	86 40	A	86158.61045014	.00023381	00000-0	37414-4 0	22
16737	82.3292		17.6809	0010288	276.0861	83.9010 16.03385192	165
16737U	86 40	A	86159.85865124	.00019302	00000-0	30810-4 0	24
16737	82.3307		16.2428	0010422	270.6763	89.3499 16.03431472	185
16737U	86 40	A	86160.98199119	.00018164	00000-0	28938-4 0	25
16737	82.3296		14.9493	0010131	266.2305	93.7795 16.03472189	203
16737U	86 40	A	86161.91808979	.00018203	00000-0	28938-4 0	26
16737	82.3314		13.8710	0010127	262.1575	97.8615 16.03506915	218

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Kosmos 1747

Ned: 12,2mi
1986

16745U	86 41	A	86149.50965706	- .00000291	00000-0	00000 0 0	4
16745	70.3491		69.4154 0141131	65.9635	295.6282	15.90066383	3
16745U	86 41	A	86152.21467590	.01510954	55036-5	19697-2 0	9
16745	70.3451		61.7089 0140483	61.1979	300.3529	15.90325914	45
16745U	86 41	A	86152.34045450	.00915693	33476-3	19697-2 0	11
16745	70.3333		61.3731 0125740	62.3114	297.6152	15.85679463	47
16745U	86 41	A	86152.59300835	.02928985	53138-5	19697-2 0	1
16745	70.3552		60.6096 0029969	147.3069	239.5761	16.15490679	5
16745U	86 41	A	86152.59300835	.02928985	53138-5	19697-2 0	13
16745	70.3552		60.6096 0029969	147.3069	239.5761	16.15490679	51
16745U	86 41	A	86152.71225347	.02910478	54768-5	19697-2 0	14
16745	70.3471		60.2615 0033786	143.5063	216.3873	16.15102133	53
16745U	86 41	A	86152.89807736	.00131231	00000-0	89846-4 0	15
16745	70.3508		59.7095 0034466	140.1966	219.6507	16.14912776	50

745U	86	41	A	86153.82724807	.00134230	00000-0	89846-4	0	16
745	70.3577	56.9665	0035737	137.1507	223.1402	16.15108330			71
16745U	86	41	A	86154.38466393	.00133592	00000-0	89846-4	0	17
16745	70.3499	55.3189	0034318	136.3830	223.8394	16.15165984			80
45U	86	41	A	86154.38466393	.00133592	00000-0	89846-4	0	18
45	70.3499	55.3189	0034318	136.3830	223.8394	16.15165984			80
745U	86	41	A	86154.75628379	.00210816	56400-5	14232-3	0	20
745	70.3510	54.2279	0034188	136.2500	224.0438	16.15189135			86
16745U	86	41	A	86154.88016447	.00040000	00000-0	27095-4	0	22
16745	70.3526	53.8570	0034025	137.0447	223.3287	16.15167295			88
16745U	86	41	A	86155.43756171	.00012110	00000-0	83333-5	0	23
16745	70.3517	52.2100	0033591	136.1751	224.2820	16.15223435			97
16745U	86	41	A	86155.87106876	.00030188	00000-0	20432-4	0	24
16745	70.3518	50.9299	0033461	135.2055	225.2148	16.15258330			104
745U	86	41	A	86157.66690985	.00054569	00000-0	36266-4	0	27
745	70.3494	45.6252	0032839	131.7887	228.7654	16.15493382			133
745U	86	41	A	86159.02908447	.00030751	00000-0	36266-4	0	28
745	70.3572	41.6024	0056873	81.7107	274.3160	16.04950959			155
745U	86	41	A	86159.90247567	.00010970	00000-0	13136-4	0	29
745	70.3519	39.0688	0056639	76.8432	283.9668	16.05015659			169
16745U	86	41	A	86160.27641473	.00060597	00000-0	70223-4	0	30
16745	70.3503	37.9799	0056824	76.2555	284.5709	16.05088978			175

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16745U	86 41	A	86160.65032954	.00629838	19513-3	73784-3	0	31
16745	70.3493		36.8906	0057047	75.5548	285.1264	16.05047691	181
16745U	86 41	A	86160.96192101	.00136794	12214-4	16153-3	0	32
16745	70.3506		35.9827	0055750	75.1319	285.4413	16.05139042	186
16745U	86 41	A	86161.70974299	.00036411	00000-0	42576-4	0	33
16745	70.3486		33.8059	0056213	72.6328	287.7646	16.05119932	198
16745U	86 41	A	86162.88747084	.00059631	00000-0	41876-4	0	37
16745	70.3495		30.3327	0019535	109.0135	251.4473	16.15610843	217

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758U	86 42	A	86158.10690556	.00000009	00000-0	99999-4	0	7
758	74.0190		320.5100	0010285	118.3541	241.8580	12.50544376	12
759U	86 42	B	86159.61281973	.00000011	00000-0	99999-4	0	8
759	74.0182		318.4725	0048135	93.0930	267.5724	12.57842671	31
761U	86 42	D	86158.11108499	.00000003	00000-0	99999-4	0	6
761	74.0205		320.5184	0023958	246.8544	112.9929	12.44664578	12
762U	86 42	E	86158.10957461	.00000008	00000-0	99999-4	0	6
762	74.0171		320.5742	0013122	259.1297	100.8280	12.46775443	12
763U	86 42	F	86158.10824977	.00000009	00000-0	99999-4	0	6
763	74.0216		320.5464	0007213	189.4037	170.6869	12.48679020	12
764U	86 42	G	86158.10564330	.00000009	00000-0	99999-4	0	6
764	74.0184		320.5439	0020203	112.2991	248.0533	12.52351605	12
765U	86 42	H	86157.94490017	.00000010	00000-0	99999-4	0	5
765	74.0146		320.7164	0030653	107.4149	253.0687	12.54078075	10

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6767U	86 43	A	86160.94554704	.00385834	34701-4	15199-3	0	10
6767	64.8695		107.9197 0120899	63.7787	297.5246	16.08111605		55
6767U	86 43	A	86161.75385513	.00226481	34912-4	86795-4	0	11
6767	64.8713		104.9319 0119220	63.5027	297.9327	16.08808669		68
6767U	86 43	A	86161.94031941	.00399995	34853-4	15186-3	0	12
6767	64.8708		104.2421 0118383	63.6642	297.6984	16.08971230		71
6767U	86 43	A	86162.49963736	.00378388	34325-4	14251-3	0	13
6767	64.8694		102.1728 0116180	63.7311	297.7225	16.09487904		80
6767U	86 43	A	86163.92817957	.00425132	34342-4	15080-3	0	15
6767	64.8697		96.8800 0112724	63.1408	298.1794	16.10742081		103
6767U	86 43	A	86164.85925122	.00432573	34656-4	14840-3	0	16
6767	64.8672		93.4230 0110147	63.2172	298.0920	16.11569574		118
6767U	86 43	A	86165.16949122	.00259825	33063-4	14840-3	0	17
6767	64.8676		92.2827 0166610	79.4147	275.4368	15.95085378		123

16767U	86 43	A	86165.92300357	.00217433	33213-4	12231-3 0	18
16767	64.8696		89.5475 0165935	78.9915	282.9003	15.95422288	135
16767U	86 43	A	86166.86315199	.00161553	33352-4	89958-4 0	19
16767	64.8669		86.1358 0164494	78.9707	283.2279	15.95906371	150
16767U	86 43	A	86167.86554835	.00257890	33696-4	14003-3 0	21
16767	64.8689		82.4958 0162455	78.4355	283.4935	15.96478561	166
16767U	86 43	A	86168.86766038	.00272706	33300-4	14541-3 0	22
16767	64.8675		78.8509 0160530	78.2139	283.8354	15.97053435	182
16767U	86 43	A	86170.05716051	.00344365	33992-4	14063-3 0	24
16767	64.8733		74.5092 0123509	78.3443	289.1836	16.07247949	201
16767U	86 43	A	86170.11834040	.00321123	34141-4	14063-3 0	25
16767	64.8693		74.2909 0122343	80.1273	281.3290	16.06774320	202
16767U	86 43	A	86171.11400026	.00334141	34223-4	14063-3 0	26
16767	64.8692		70.6146 0120790	79.4063	282.2170	16.07481022	218
16767U	86 43	A	86171.11397461	.00333077	34538-4	14063-3 0	27
16767	64.8693		70.6165 0120509	79.7645	281.7167	16.07504874	218
16767U	86 43	A	86171.61162204	.00416476	35238-4	14063-3 0	28
16767	64.8710		68.7743 0087353	80.8725	285.6848	16.15977139	226
16767U	86 43	A	86172.04384120	.00420443	35233-4	14063-3 0	29
16767	64.8685		67.1544 0085684	81.1415	279.9659	16.16367768	233

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16767U	86 43	A	86172.90984105	.00440736	34769-4	14063-3	0	30
16767	64.8720		63.9206 0083847	81.2829	279.8985	16.17164175		247
16767U	86 43	A	86173.21900009	.00455190	35202-4	14270-3	0	31
16767	64.8651		62.7609 0082827	80.7299	280.4073	16.17518584		252
16767U	86 43	A	86173.83715145	.00495474	35128-4	15014-3	0	32
16767	64.8670		60.4454 0081203	80.4193	280.6592	16.18134533		262
16767U	86 43	A	86174.64039488	.00535300	34984-4	15391-3	0	33
16767	64.8680		57.4325 0079000	79.9539	281.2382	16.19034027		275
16767U	86 43	A	86175.99869489	.00474183	34954-4	14956-3	0	35
16767	64.8720		52.3341 0094234	86.5679	272.5680	16.15399333		297
16767U	86 43	A	86176.37045927	.00475300	34914-4	14956-3	0	37
16767	64.8671		50.9462 0092594	86.2158	274.9285	16.15724199		303
16767U	86 43	A	86177.97897665	.00358698	34676-4	14058-3	0	40
16767	64.8713		44.9319 0086869	93.2178	267.0131	16.14529704		329
16767U	86 43	A	86178.90806355	.00371381	35141-4	14058-3	0	41
16767	64.8697		41.4679 0084869	93.0910	268.0847	16.15241992		344

16767U	86 43	A	86179.21759968	.00372946	35235-4	14058-3	0	42
16767	64.8666		40.3111 0083019	93.6683	267.5875	16.15605219		349
16767U	86 43	A	86179.27946714	.00372476	35168-4	14058-3	0	43
16767	64.8641		40.0873 0082453	94.0632	267.0150	16.15688763		350
16767U	86 43	A	86179.71270304	.00465886	35063-4	16971-3	0	44
16767	64.8710		38.4641 0081991	92.8946	268.2353	16.16113782		357
16767U	86 43	A	86179.83644838	.00713449	34920-4	25559-3	0	45
16767	64.8702		37.9995 0081598	93.0251	268.0559	16.16317037		359
16767U	86 43	A	86180.02204789	.00618931	34922-4	21848-3	0	46
16767	64.8696		37.3056 0081467	92.9132	268.0892	16.16505295		362
16767U	86 43	A	86180.45504671	.00507848	35287-4	17732-3	0	48
16767	64.8674		35.6859 0079976	92.6734	268.2056	16.16894016		369
16767U	86 43	A	86181.93855199	.00615602	35305-4	18824-3	0	51
16767	64.8662		30.1265 0072498	92.1825	268.9738	16.19501733		393
16767U	86 43	A	86182.49416318	.00529578	35639-4	16102-3	0	52
16767	64.8660		28.0382 0069659	91.2797	269.4346	16.20038448		402
16767U	86 43	A	86182.67938033	.00629388	34906-4	18894-3	0	53
16767	64.8676		27.3414 0069357	91.7743	269.1053	16.20201520		405
16767U	86 43	A	86182.92626223	.00578229	35420-4	17101-3	0	54
16767	64.8684		26.4138 0068537	91.9576	268.9429	16.20494306		409
16767U	86 43	A	86183.54326470	.00579609	35425-4	16583-3	0	55
16767	64.8654		24.0912 0066476	91.4892	269.2764	16.21162826		419

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16767U	86 43	A	86183.91336559	.00321935	34628-4	16583-3 0	56
16767	64.8637		22.7034 0119038	114.6972	240.4572	16.05699139	425
16767U	86 43	A	86184.72398026	.00613088	34238-4	30626-3 0	57
16767	64.8645		19.7165 0117319	115.7553	245.6314	16.06280591	438
16767U	86 43	A	86185.90665152	.00325576	34414-4	16060-3 0	60
16767	64.8637		15.3598 0114508	114.9167	246.4000	16.07028461	457
16767U	86 43	A	86187.89719113	.00351670	34381-4	16384-3 0	61
16767	64.8654		8.0082 0110463	114.2416	246.9396	16.08395161	489
16767U	86 43	A	86188.64322296	.00732763	34482-4	32431-3 0	62
16767	64.8627		5.2429 0110158	114.2231	246.9900	16.08920722	501
16767U	86 43	A	86188.89183568	.00337661	34237-4	15234-3 0	63
16767	64.8646		4.3310 0108739	113.7813	247.3678	16.09067629	505
16767U	86 43	A	86189.69969555	.00385971	34343-4	16974-3 0	64
16767	64.8662		1.3395 0107063	113.6647	247.5966	16.09634640	518
16767U	86 43	A	86189.88607420	.00358150	34315-4	15660-3 0	65
16767	64.8650		0.5496 0106677	113.3163	247.9314	16.09777985	521
16767U	86 43	A	86190.87983733	.00367162	34216-4	15476-3 0	66
16767	64.8659		356.9661 0104601	112.9800	248.2629	16.10548726	537

767U	86	43	A	86191.93519330	.00383569	34740-4	15667-3 0	67
767	64.8643	353.0522	0101938	112.2773	248.9802	16.11368945	554	554
767U	86	43	A	86192.86591871	.00438804	34893-4	17451-3 0	68
767	64.8636	349.5946	0099146	111.9244	249.2636	16.12146666	569	569
767U	86	43	A	86193.30009907	.00331017	34281-4	17451-3 0	69
767	64.8993	348.0639	0114891	119.7000	237.7820	16.06230534	576	576
767U	86	43	A	86193.92329404	.00350469	33914-4	17451-3 0	70
767	64.8605	345.6861	0115851	119.9940	241.3935	16.06658730	586	586
16767U	86	43	A	86194.91898180	.00338193	34349-4	16451-3 0	71
16767	64.8632	342.0156	0113521	119.8892	241.3897	16.07360151	602	602
16767U	86	43	A	86195.10562441	.00323828	34623-4	15799-3 0	72
16767	64.8622	341.3265	0112718	119.8989	241.3522	16.07487273	605	605
16767U	86	43	A	86195.85206952	.00340946	34403-4	16241-3 0	73
16767	64.8624	338.5702	0111274	119.5590	241.7179	16.08009064	617	617
16767U	86	43	A	86196.90910535	.00335611	34670-4	15647-3 0	74
16767	64.8621	334.6627	0108689	119.1524	242.0351	16.08729439	634	634
16767U	86	43	A	86197.96568350	.00334929	34281-4	15217-3 0	75
16767	64.8624	330.7527	0106290	118.7527	242.4534	16.09452300	651	651
16767U	86	43	A	86199.82894894	.00371210	34774-4	16230-3 0	77
16767	64.8625	323.8491	0100733	117.9156	243.1048	16.10875739	681	681
16767U	86	43	A	86200.88411213	.00375234	34685-4	15974-3 0	78
16767	64.8611	319.9321	0097875	117.4514	243.6891	16.11680782	698	698

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6767U	86 43	A	86202.86386150	.00380056	35133-4	15412-3	0	80
6767	64.8626	312.5485	0092569	116.8103	244.2447	16.13153436		730
6767U	86 43	A	86203.61266974	.00292417	34007-4	15412-3	0	81
6767	64.8603	309.7946	0146846	120.5613	235.3922	15.99971565		742
6767U	86 43	A	86203.86365657	.00292333	33424-4	15600-3	0	82
6767	64.8619	308.8710	0145648	120.0660	241.4573	16.00081699		746
6767U	86 43	A	86204.86349985	.00329730	33489-4	17272-3	0	83
6767	64.8613	305.2153	0143236	119.4857	242.1815	16.00745553		762
6767U	86 43	A	86205.86287707	.00313462	34218-4	16234-3	0	84
6767	64.8610	301.5607	0140756	119.0201	242.4296	16.01375002		778
6767U	86 43	A	86206.92469388	.00276165	33879-4	15662-3	0	87
6767	64.8606	297.6752	0139038	120.7951	240.7126	16.00771631		795
6767U	86 43	A	86207.86165301	.00345072	34075-4	19118-3	0	88
6767	64.8603	294.2484	0136843	120.4100	241.2729	16.01423027		810
6767U	86 43	A	86208.73573521	.00239869	33905-4	13222-3	0	89
6767	64.8565	291.0464	0134527	120.2000	241.2092	16.02002539		824
6767U	86 43	A	86208.86059394	.00297188	33531-4	16320-3	0	90
6767	64.8583	290.5898	0134129	120.2072	241.2515	16.02078523		826

16767U	86 43	A	86210.04630881	.00312690	33923-4	16809-3 0	93
16767	64.8580		236.2444 0131313	119.6900	241.5265	16.02856438	845
16767U	86 43	A	86211.96622725	.00479924	35064-4	17227-3 0	96
16767	64.8592		279.0806 0071773	120.1743	240.7820	16.17966512	876
6767U	86 43	A	86212.95487923	.00470624	34981-4	16036-3 0	97
6767	64.8589		275.3738 0069428	119.8307	240.8993	16.18898331	892
16767U	86 43	A	86213.94300346	.00470545	35643-4	15219-3 0	98
16767	64.8601		271.6642 0066991	118.9850	241.7750	16.19834829	908
16767U	86 43	A	86214.86884953	.00389207	35583-4	14053-3 0	100
16767	64.8599		268.1353 0071787	123.9047	235.2722	16.17928440	923
16767U	86 43	A	86214.86912875	.01301665	34971-4	46324-3 0	101
16767	64.8590		268.1824 0071975	124.0773	236.7270	16.17954854	923
16767U	86 43	A	86214.99273729	.00901439	35488-4	31806-3 0	102
16767	64.8587		267.7191 0071237	124.0233	236.7552	16.18184452	925
16767U	86 43	A	86215.17812696	.00257715	35286-4	91920-4 0	103
16767	64.8617		267.0273 0071829	124.3384	236.2237	16.18122992	928
16767U	86 43	A	86215.17812696	.00257715	35286-4	91920-4 0	104
16767	64.8617		267.0273 0071829	124.3384	236.2237	16.18122992	928
16767U	86 43	A	86215.79608767	.00430241	35609-4	14697-3 0	105
16767	64.8575		264.7089 0070396	123.8696	236.9171	16.18728965	938
16767U	86 43	A	86215.79608824	.00449034	35292-4	15334-3 0	106
16767	64.8580		264.7090 0070344	123.8882	236.9018	16.18734158	938

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16769U	86	44	A	86161.83205904	-.00000015	00000-0	99999-4	0	2
16769		1.4146	280.2891	0005592	191.5944	169.8294	0.97458394		3

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16772U	86 45	A	86162.37707359	.00000828	-58484-5	00000 0 0	1
16772	82.3308		41.9842 0033367	108.6592	252.1814	16.26494851	1
16772U	86 45	A	86162.56158821	-.00543281	-60727-5	-14640-3 0	2
16772	82.3294		41.7632 0034149	107.6120	252.9160	16.26493313	4
16772U	86 45	A	86163.67687572	.03683646	-54045-5	11027-2 0	3
16772	82.3367		40.4719 0174901	230.4942	128.2259	15.99701423	7
16772U	86 45	A	86164.05219973	.03345686	-52101-5	11027-2 0	6
16772	82.3521		40.0385 0171533	226.3402	132.3027	15.99661380	28
16772U	86 45	A	86164.42726802	.00096690	-54678-5	29597-4 0	7
16772	82.3413		39.6073 0173983	225.5714	131.6227	15.99725959	34
16772U	86 45	A	86164.99048768	.00110081	-56172-5	33619-4 0	9
16772	82.3403		38.9689 0173457	223.3864	135.3665	15.99867099	43
16772U	86 45	A	86165.86609825	.00116350	-52109-5	33619-4 0	11
16772	82.3353		37.9636 0173728	219.8769	138.9690	16.00085840	57

16772U	86 45	A	86165.92863754	.00117203	-54320-5	33619-4 0	12
16772	82.3388		37.8911 0173775	219.7060	139.1497	16.00102465	58
16772U	86 45	A	86166.86664244	.00256008	-55527-5	75997-4 0	14
16772	82.3378		36.8174 0171934	216.0059	142.9890	16.00410511	73
16772U	86 45	A	86167.24179417	.00135846	-54169-5	39577-4 0	15
16772	82.3388		36.3862 0171856	214.4716	144.5323	16.00490491	79
16772U	86 45	A	86167.55440814	.00138026	-56715-5	39502-4 0	16
16772	82.3385		36.0284 0171770	213.2703	145.7744	16.00579538	84
16772U	86 45	A	86167.86700337	.00141339	-53806-5	40817-4 0	17
16772	82.3377		35.6719 0171220	212.1220	146.9565	16.00673123	89
16772U	86 45	A	86168.49213499	.00080520	-49868-5	41507-4 0	19
16772	82.3259		34.9503 0169021	218.5328	139.1522	15.95781696	99
16772U	86 45	A	86168.61776561	.00096061	-52519-5	41507-4 0	20
16772	82.3377		34.8114 0164870	221.6737	138.2218	15.98443468	101
16772U	86 45	A	86168.93060260	.00097655	-52850-5	41507-4 0	21
16772	82.3438		34.4540 0165127	220.8021	138.1243	15.98552655	106
16772U	86 45	A	86173.87452918	.00107240	-54650-5	44193-4 0	26
16772	82.3390		28.8009 0161725	201.3951	158.0968	15.99576315	185
16772U	86 45	A	86174.68776287	.00092343	-53265-5	38030-4 0	27
16772	82.3355		27.8687 0160749	198.2700	161.3872	15.99776607	198

86-46A

Kosmos 1758

16791U	86 46	A	86163.32177897	.00)10011	00000-0	00000	0 0	2
16791	82.4847	357.5941	0026835	294.5734	65.1043	14.73478157		2
16791U	86 46	A	86163.72926062	.00000011	00000-0	00000	0 0	4
16791	82.4821	357.2179	0027211	290.7632	69.0541	14.73451972		8
16791U	86 46	A	86163.72926062	.00000011	00000-0	00000	0 0	5
16791	82.4821	357.2179	0027211	290.7632	69.0541	14.73451972		8

86-47A

Kosmos 1759

16798U	86 47	A	86170.11361480	.00000006	00000-0	00000	0	0	3
16798	82.9223	235.5908	0023235	276.9553	83.0318	13.73818808			4
16798U	86 47	A	86170.47764612	.00000006	00000-0	00000	0	0	5
16798	82.9254	235.3200	0023243	275.1728	84.6768	13.73814917			9

86-48A

Kosmos 1760

16800U	86 48	A	86170.49529348	-	.00000317	00000-0	00000 0 0	1	
16800	69.9945		107.2636		0135944	65.3948	296.1566	15.91722364	1
16800U	86 48	A	86170.55827782	-	.00000307	00000-0	00000 0 0	2	
16800	69.9800		107.0490		0141601	66.7091	294.8942	15.89777142	2
16800U	86 48	A	86170.93580397	-	.00000306	00000-0	00000 0 0	3	
16800	69.9771		105.9560		0141501	66.5406	294.9827	15.89699360	8
16800U	86 48	A	86171.06166285	-	.00000305	00000-0	00000 0 0	4	
16800	69.9794		105.5910		0141615	66.2466	295.3527	15.89726327	10
16800U	86 48	A	86171.12458571	-	.00000106	00000-0	00000 0 0	5	
16800	70.0015		105.4221		0049940	217.6252	126.5801	15.61940600	11
16800U	86 48	A	86171.12458571	-	.00000106	00000-0	00000 0 0	6	
16800	70.0015		105.4221		0049940	217.6252	126.5801	15.61940600	11
16800U	86 48	A	86173.94533345	.	.00078026	00000-0	83856-3 0	11	
16800	69.9930		97.6062		0048882	210.2052	149.6394	15.61852224	55
16800U	86 48	A	86174.64981266	.	.00002459	00000-0	27765-4 0	12	
16800	69.9851		95.6445		0048185	210.9896	148.7127	15.61851065	66

16800U	86 48	A	86177.85213707	.00014596	00000-0	16054-3 0	17
16800	69.9866		86.7414 0048323	205.6235	153.8767	15.61776935	116
16800U	86 48	A	86177.91625359	.00075409	00000-0	81368-3 0	18
16800	69.9868		86.5621 0048276	205.6055	154.2800	15.61799439	117
16800U	86 48	A	86178.87692994	.00075589	00000-0	81367-3 0	19
16800	69.9886		83.8890 0048362	201.8469	157.7985	15.61854128	132
16800U	86 48	A	86179.26124574	.00075229	00000-0	81367-3 0	20
16800	69.9848		82.8252 0047873	203.9480	155.7887	15.61764871	138
16800U	86 48	A	86179.90174978	.00001339	00000-0	15736-4 0	21
16800	69.9974		81.0520 0047550	204.6342	155.1265	15.61754935	148
16800U	86 48	A	86179.90174978	.00001339	00000-0	15736-4 0	22
16800	69.9974		81.0520 0047550	204.6342	155.1265	15.61754935	148
16800U	86 48	A	86181.95135926	.00001341	00000-0	15739-4 0	24
16800	69.9869		75.3450 0047725	198.8342	161.0033	15.61736738	180
16800U	86 48	A	86182.84808695	.00001337	00000-0	15739-4 0	25
16800	69.9876		72.8550 0047300	197.1628	162.7635	15.61729813	194
16800U	86 48	A	86183.93695839	.00001337	00000-0	15739-4 0	26
16800	69.9860		69.8276 0047524	195.7890	164.1106	15.61709819	211

86-49A

Molnixa 3-29

16802U	86 49	A	86170.93128860	.00000033	00000-0	00000 0 0	1
16802	62.8885	174.8597	7412843	288.3019	8.0681	1.95454001	1
16803U	86 49	B	86170.93333280	.000000453	00000-0	00000 0 0	1
16803	62.8772	174.9556	0262054	119.5818	244.7106	15.54424419	1
16804U	86 49	C	86170.93333280	.000000483	00000-0	00000 0 0	1
16804	62.8369	174.9755	0297516	117.8739	245.3122	15.48613033	1
16805U	86 49	D	86172.46234813	.000000193	00000-0	00000 0 0	2
16805	62.8936	174.6151	7407832	288.2740	9.2066	1.96137405	5

86-50A

Kosmos 1761

16849U	86 50	A	86186.10372496	-.00000116	00000-0	99999-4 0	1
16849	62.9061	251.7845	7357463	316.1180	5.1714	2.03116912	2
16849U	86 50	A	86187.08836470	.00000019	00000-0	99999-4 0	3
16849	62.9137	251.6300	7356885	316.1300	5.1831	2.03122616	4

86-51A

Kosmos 1762

16855U	86 51	A	86191.38780244	.00000816	-55987-5	00000 0 0	1
16855	82.5352		75.0057 0065079	77.7859	283.1876	16.18551864	1
16855U	86 51	A	86191.44974896	.00000816	-55913-5	00000 0 0	2
16855	82.5954		74.9154 0070042	84.3946	276.4614	16.16310347	2
16855U	86 51	A	86191.57358552	.00111143	-59301-5	49482-4 0	3
16855	82.5506		74.7764 0068176	83.5743	277.3975	16.16376164	4
855U	86 51	A	86191.75929887	.00032269	-55928-5	14214-4 0	4
855	82.5475		74.5646 0067755	82.4378	278.4149	16.16349553	7
855U	86 51	A	86191.94503771	.00107607	-59053-5	48109-4 0	5
855	82.5471		74.3536 0067525	82.1927	278.7432	16.16422259	10
855U	86 51	A	86192.37837257	.00029645	00000-0	48109-4 0	6
855	82.5481		73.8623 0010823	297.4469	55.8196	16.03127261	17
855U	86 51	A	86192.44196392	-.00457549	00000-0	-82353-3 0	7
855	82.5485		73.7910 0010673	296.2378	63.7676	16.03019625	18
855U	86 51	A	86192.44196613	.00029516	00000-0	48099-4 0	8
855	82.5485		73.7909 0010570	297.0774	62.9430	16.03064889	18

16855U	86	51	A	86192.87892520	.00038657	00000-0	62914-4	0	9
16855	82.5493	73.3024	0010486	293.4823	66.4873	16.03065073			25
16855U	86	51	A	86195.87518696	.00012147	00000-0	19740-4	0	12
16855	82.5480	69.9503	0010199	278.8003	81.1745	16.03130313			73
16855U	86	51	A	86196.93633603	.00012698	00000-0	20599-4	0	13
16855	82.5477	68.7629	0010299	274.3010	85.7171	16.03158815			90
16855U	86	51	A	86197.99745925	.00011399	00000-0	18463-4	0	14
16855	82.5473	67.5772	0010309	270.0552	89.9427	16.03180965			107
16855U	86	51	A	86199.86999660	.00013144	00000-0	21222-4	0	16
16855	82.5477	65.4838	0010652	262.1924	97.8241	16.03229436			137
16855U	86	51	A	86200.86865702	.00015208	00000-0	24511-4	0	17
16855	82.5459	64.3668	0010755	256.8133	103.2094	16.03260675			153
16855U	86	51	A	86202.86592450	.00014439	00000-0	23184-4	0	19
16855	82.5471	62.1331	0011003	246.3797	113.6500	16.03316296			185

86-52A

Kosmos 1763

16860U	86 52	A	86202.54559567	.00017045	00000-0	61680-2 0	13
16860	74.0366		357.3896 0033693	314.5486	46.1673	14.33106237	77
16860U	86 52	A	86202.89445621	.00017048	00000-0	61680-2 0	14
16860	74.0393		356.7557 0034175	314.7097	45.1080	14.33109537	82

86-53A

Kosmos 1764

16861U	86 53	A	86202.87320407	.00339188	33815-4	13802-3	0	8
16861	64.9049		142.4596 0120310	62.6203	298.8746	16.07915870		70
16861U	86 53	A	86203.86811343	.00368875	34283-4	14569-3	0	9
16861	64.9044		138.7878 0117933	62.2827	299.1704	16.08671664		86
16861U	86 53	A	86204.86253948	.00382003	34581-4	14552-3	0	10
16861	64.9043		135.1131 0115665	61.9422	299.4897	16.09474148		102
16861U	86 53	A	86205.35954662	.00395556	34394-4	14774-3	0	11
16861	64.9034		133.2746 0114500	61.9761	299.3400	16.09893577		110
16861U	86 53	A	86205.85644020	.00391453	34405-4	14398-3	0	12
16861	64.9035		131.4358 0113263	61.8127	299.4403	16.10288382		118
16861U	86 53	A	86206.47739718	.00423189	34841-4	15208-3	0	13
16861	64.9023		129.1350 0111542	61.7036	299.6264	16.10844491		128

16861U	86 53	A	86206.66362306	.00457409	34537-4	16212-3 0	14
16861	64.9027	128.4451	0111248	61.5630	299.6817	16.11029431	131
16861U	86 53	A	86206.91190952	.00426864	34456-4	15069-3 0	16
16861	64.9034	127.5247	0110483	61.6000	299.5938	16.11224380	135
16861U	86 53	A	86208.89685669	.00515652	34892-4	16408-3 0	18
16861	64.9016	120.1578	0104758	61.1285	300.2377	16.13326291	167
16861U	86 53	A	86207.90475546	.00498040	34618-4	16711-3 0	17
16861	64.9028	123.8425	0107662	61.3442	300.2113	16.12252830	151
16861U	86 53	A	86210.07414879	.00565291	34694-4	17029-3 0	20
16861	64.9014	115.7761	0100534	61.0251	300.3321	16.14653239	186
16861U	86 53	A	86211.00286091	.00634621	35172-4	18214-3 0	21
16861	64.9039	112.3161	0097245	60.8384	300.2228	16.15732377	201
16861U	86 53	A	86211.93096074	.00616820	34781-4	16796-3 0	22
16861	64.9025	108.8503	0093846	60.3515	300.6075	16.16873607	216
16861U	86 53	A	86212.54935007	.00872533	35309-4	22771-3 0	23
16861	64.9011	106.5413	0091507	59.7682	301.2716	16.17690013	226
16861U	86 53	A	86212.98203169	.00576888	34467-4	18704-3 0	24
16861	64.9054	104.9262	0120693	53.6731	303.8503	16.10018145	233
16861U	86 53	A	86213.91414677	.00573531	34559-4	17745-3 0	25
16861	64.9055	101.4753	0118373	53.3841	307.6918	16.10925375	248
16861U	86 53	A	86213.97624709	.00660651	34841-4	20496-3 0	26
16861	64.9049	101.2461	0117760	53.2216	307.9717	16.11011495	249

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16861U	86 53	A	86214.84511989	.00494440	34434-4	14741-3 0	28
16861	64.9030		98.0235 0115640	52.7593	308.3973	16.11830559	263
16861U	86 53	A	86216.70536668	.00634010	35129-4	17370-3 0	31
16861	64.9014		91.1128 0108467	52.2631	309.3024	16.14014397	293
16861U	86 53	A	86216.70536668	.00634010	35129-4	17370-3 0	32
16861	64.9014		91.1128 0108467	52.2631	309.3024	16.14014397	293
16861U	86 53	A	86216.82920281	.00614842	35210-4	16829-3 0	33
16861	64.9015		90.6507 0107806	52.3589	308.7254	16.14155011	295
16861U	86 53	A	86217.69625399	.00524064	35182-4	13658-3 0	35
16861	64.8985		87.4208 0104575	51.9380	308.9998	16.15251780	309
16861U	86 53	A	86222.85651757	.00447265	34289-4	15160-3 0	45
16861	64.8997		68.3632 0116316	64.3594	297.0475	16.10480965	392
16861U	86 53	A	86223.91184875	.00468060	34455-4	15214-3 0	46
16861	64.8999		64.4533 0113142	63.8788	297.5972	16.11505492	409
16861U	86 53	A	86224.47024636	.00567681	34112-4	18085-3 0	47
16861	64.8990		62.3786 0110846	63.3200	298.0560	16.12128718	418
16861U	86 53	A	86225.83438429	.00241864	33784-4	15824-3 0	50
16861	64.9115		57.3256 0126831	84.4452	272.5169	16.01597289	440

16861U	86 53	A	86225.87762377	.00255986	33710-4	15824-3 0	51
16861	64.9023		57.0824 0128782	84.1717	277.4488	16.01851412	441
16861U	86 53	A	86226.89637191	.00261881	34008-4	16164-3 0	52
16861	64.8995		53.4257 0126280	84.4028	277.0889	16.02348145	457
16861U	86 53	A	86227.89482419	.00237696	34153-4	14329-3 0	53
16861	64.8976		49.7772 0125346	83.2885	278.0699	16.02814015	473
16861U	86 53	A	86229.89086046	.00246093	33467-4	14329-3 0	55
16861	64.8980		42.4615 0122141	82.7852	278.6847	16.03805721	505
16861U	86 53	A	86231.69380954	.00286823	34989-4	13515-3 0	59
16861	64.8975		35.8031 0086570	83.5468	277.4139	16.12614428	534
16861U	86 53	A	86231.87987469	.00304911	34689-4	14232-3 0	60
16861	64.8971		35.1128 0086324	83.1312	277.9915	16.12748939	537
16861U	86 53	A	86233.24370497	.00279375	34862-4	12595-3 0	62
16861	64.8971		30.0389 0083096	81.9310	279.1384	16.13699827	559
16861U	86 53	A	86233.61552270	.00456122	34229-4	20184-3 0	63
16861	64.8983		28.6543 0081898	82.7959	278.3454	16.14029544	565
16861U	86 53	A	86233.92528526	.00354443	34693-4	15549-3 0	64
16861	64.8935		27.5105 0080994	82.5512	278.5000	16.14312794	570
16861U	86 53	A	86234.54470124	.00481972	34727-4	20408-3 0	65
16861	64.8965		25.1953 0079470	81.7284	279.4868	16.14915855	580

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16861U	86 53	A	86234.97810099	.00406391	35043-4	16971-3	0	66
16861	64.8964		23.5756 0077930	81.7655	279.2969	16.15345010		587
16861U	86 53	A	86235.90653248	.00494153	34975-4	19567-3	0	67
16861	64.8982		20.1149 0075640	81.1889	280.0620	16.16277746		602
16861U	86 53	A	86238.00892114	.00504992	35483-4	17875-3	0	69
6861	64.8985		12.2504 0069933	79.7024	281.4341	16.18407100		636
16861U	86 53	A	86238.62669738	.00210220	34333-4	17875-3	0	70
16861	64.8984		9.9402 0106716	118.4124	236.5439	16.02187479		646
16861U	86 53	A	86238.81503282	.00634930	34368-4	37499-3	0	71
16861	64.8983		9.2575 0116323	121.0329	241.2300	16.04616098		649
16861U	86 53	A	86238.81503282	.00634930	34368-4	37499-3	0	72
16861	64.8983		9.2575 0116323	121.0329	241.2300	16.04616098		649
16861U	86 53	A	86239.31334333	.00263443	33552-4	15772-3	0	73
16861	64.8953		7.4265 0114745	120.5314	240.2612	16.04876789		657
16861U	86 53	A	86240.49711999	.00246015	34291-4	14365-3	0	75
16861	64.8947		3.0747 0112445	120.1579	241.0851	16.05606233		676
16861U	86 53	A	86240.80853591	.00313047	34198-4	17981-3	0	76
16861	64.8959		1.9310 0111930	119.8569	241.4445	16.05819223		681

16861U	86 53	A	86241.80476525	.00312161	34078-4	17599-3	0	77
16861	64.8963	358.2660	0109668	119.2958	241.9034	16.06468676		697
16861U	86 53	A	86242.80061979	.00346722	33952-4	19101-3	0	78
16861	64.8975	354.5967	0107062	118.8612	242.5481	16.07190818		713
16861U	86 53	A	86243.67156637	.00382420	34433-4	20662-3	0	79
16861	64.8980	351.3849	0104695	118.3974	242.7780	16.07829148		727
16861U	86 53	A	86243.92035276	.00349092	34434-4	18632-3	0	80
16861	64.8960	350.4684	0104678	118.4144	242.7342	16.07982412		731
16861U	86 53	A	86244.91524870	.00327650	34091-4	17147-3	0	81
16861	64.8961	346.7947	0102371	117.9332	243.0926	16.08630869		747
16861U	86 53	A	86245.97191804	.00325981	34641-4	16751-3	0	82
16861	64.8962	342.8901	0099528	117.1786	243.9601	16.09351064		764
16861U	86 53	A	86247.83544686	.00331537	34348-4	16118-3	0	85
16861	64.8955	335.9933	0096041	116.2779	244.8040	16.10586621		794
16861U	86 53	A	86247.83544686	.00331537	34348-4	16118-3	0	86
16861	64.8955	335.9933	0096041	116.2779	244.8040	16.10586621		794
16861U	86 53	A	86248.20798504	.00301482	34563-4	14613-3	0	87
16861	64.8946	334.6147	0095139	115.9509	245.0868	16.10797094		800
16861U	86 53	A	86248.95290451	.00317053	34012-4	14948-3	0	88
16861	64.8964	331.8541	0094075	115.6943	245.3523	16.11281204		812
16861U	86 53	A	86249.88374444	.00357784	34570-4	16452-3	0	89
16861	64.8966	328.4026	0091674	115.1161	246.1120	16.11962430		827

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16861U	86 53	A	86250.19389975	.00365828	34621-4	16709-3	0	90
16861	64.8951	327.2526	0090897	114.8457	246.1923	16.12168644		832
16861U	86 53	A	86250.62809098	.00383791	34797-4	17253-3	0	91
16861	64.8979	325.6403	0090070	114.7049	246.3138	16.12479966		839
16861U	86 53	A	86250.93817890	.00334087	34266-4	14923-3	0	92
16861	64.8961	324.4887	0089547	114.6610	246.3375	16.12662058		844
16861U	86 53	A	86252.55000745	.00442653	35025-4	18927-3	0	94
16861	64.8958	318.4939	0085356	113.9015	247.1610	16.13826590		870
16861U	86 53	A	86252.93373046	.00358065	34712-4	15170-3	0	95
16861	64.8934	316.8801	0084451	113.3308	247.5609	16.14109903		877
16861U	86 53	A	86253.85099650	.00369934	34970-4	15170-3	0	96
16861	64.8927	313.6483	0082729	112.7814	248.2183	16.14753295		891

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16874U	86 54	A	86205.57519800	-.00001644	11370-4	00000 0 0	1
16874	72.9209	134.2100	0133517	87.7617	273.8897	15.97750946	1
16874U	86 54	A	86206.13891564	.00003349	00000-0	39210-4 0	4
16874	72.8534	132.8284	0052045	207.9418	142.9116	15.60136967	10
16874U	86 54	A	86206.78151229	.00212866	00000-0	23762-2 0	5
16874	72.8618	131.2818	0043567	210.2326	149.5547	15.60817430	20
16874U	86 54	A	86206.90971563	.00212612	00000-0	23762-2 0	7
16874	72.8515	130.9707	0044006	210.0608	149.7443	15.60763636	22
16874U	86 54	A	86207.61473419	.00085048	00000-0	96668-3 0	8
16874	72.8561	129.2888	0043258	208.6479	150.7858	15.60760031	33
16874U	86 54	A	86207.87120179	.00085331	00000-0	96668-3 0	9
16874	72.8556	128.6750	0044662	207.3275	152.5146	15.60765736	37
16874U	86 54	A	86208.76853142	.00084834	00000-0	96668-3 0	10
16874	72.8519	126.5309	0041150	204.3764	155.1795	15.60806315	51

16874U	86 54	A	86210.05057013	.00048589	00000-0	55497-3	0	13
16874	72.8557	123.4684	0044030	203.0699	156.6623	15.60723959		71
16874U	86 54	A	86211.01206431	.00001238	00000-0	14931-4	0	14
16874	72.8546	121.1714	0043594	200.4017	159.2371	15.60683023		86
16874U	86 54	A	86211.97363252	.00001630	00000-0	19429-4	0	15
16874	72.8559	118.8727	0043299	197.8958	162.0604	15.60682416		101
16874U	86 54	A	86212.99924911	.00001003	00000-0	12254-4	0	16
16874	72.8550	116.4237	0043012	195.5694	164.3520	15.60669458		117
16874U	86 54	A	86213.96078301	.00001003	00000-0	12254-4	0	17
16874	72.8557	114.1267	0043203	193.5694	166.4127	15.60666711		132
16874U	86 54	A	86214.85820922	.00001001	00000-0	12254-4	0	18
16874	72.8550	111.9811	0042954	191.3728	168.5566	15.60649823		146
16874U	86 54	A	86215.88386237	.00001002	00000-0	12254-4	0	19
16874	72.8571	109.5289	0043236	189.3773	170.5967	15.60626378		162
16874U	86 54	A	86216.84542281	.00001002	00000-0	12254-4	0	20
16874	72.8563	107.2329	0043302	186.9390	173.1220	15.60627621		177
16874U	86 54	A	86217.29414539	.00000999	00000-0	12254-4	0	21
16874	72.8544	106.1589	0042002	186.3135	173.7316	15.60608686		184
16874U	86 54	A	86218.96084495	.00003879	00000-0	45414-4	0	23
16874	72.8501	102.1759	0043161	182.4570	177.5665	15.60601254		210

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168810	86	55	A	86211.63569556	.00000738	00000-0	11008-3	0	7
16881	82.5246	288.4731	0022313	278.4733	81.3952	14.73419060			25

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16883U	86 56	A	86211.47121470	-.00005168	35706-4	00000 0 0	1
16883	64.8811		110.6847 0008096	354.8261	5.2366	16.26693449	2
16883U	86 56	A	86211.59418094	-.00005168	35703-4	00000 0 0	2
16883	64.8875		110.2185 0007235	354.3479	5.7581	16.26683985	4
16883U	86 56	A	86211.71714057	.01582765	35770-4	46314-3 0	3
16883	64.8820		109.7498 0006720	359.4205	0.7099	16.26895229	6
16883U	86 56	A	86211.84006654	.00711613	35539-4	20924-3 0	4
16883	64.8803		109.2813 0006726	359.3674	0.6252	16.26884689	8
16883U	86 56	A	86211.96302492	.00505617	35699-4	14761-3 0	5
16883	64.8808		108.8164 0007298	356.4876	3.5991	16.26986046	10
16883U	86 56	A	86212.39329072	.00234536	35671-4	68273-4 0	6
16883	64.8796		107.1836 0007419	354.6972	5.4085	16.27147528	17
16883U	86 56	A	86212.82349792	.00245737	35772-4	70079-4 0	7
16883	64.8795		105.5505 0007116	353.6284	6.5200	16.27376038	24

16883U	86 56	A	86213.74516002	.00016424	35806-4	57972-5	0	8
16883	64.8788		102.0530	0006712	355.3059	4.9153	16.27835206	39
16883U	86 56	A	86213.92944886	.00269763	35939-4	72617-4	0	10
16883	64.8809		101.3531	0007348	350.1019	10.0771	16.27993713	42
16883U	86 56	A	86214.78933129	.00259504	35737-4	67017-4	0	11
16883	64.8783		98.0818	0007249	346.8529	13.2689	16.28462200	56
16883U	86 56	A	86215.83315995	.00283157	35695-4	68999-4	0	12
16883	64.8784		94.1122	0006987	340.8731	19.4015	16.29083909	73
16883U	86 56	A	86216.75381224	.00240489	36196-4	55143-4	0	13
16883	64.8806		90.6049	0007511	335.2249	25.2516	16.29761283	88
16883U	86 56	A	86216.81510782	.00362137	35797-4	81856-4	0	14
16883	64.8781		90.3714	0006988	339.5066	20.5988	16.29849232	89
16883U	86 56	A	86217.18323514	.00122696	36264-4	27722-4	0	15
16883	64.8763		88.9682	0007175	334.5288	25.6246	16.30142867	95
16883U	86 56	A	86217.67399642	.00341126	36481-4	72397-4	0	16
16883	64.8731		87.0942	0007447	338.0072	22.3217	16.30515128	103
16883U	86 56	A	86217.85794800	.00369715	35952-4	77219-4	0	18
16883	64.8777		86.3954	0007291	334.5716	25.5097	16.30673031	106
16883U	86 56	A	86218.96159137	.00392966	36565-4	75070-4	0	19
16883	64.8769		82.1831	0007422	329.9269	30.3981	16.31586477	124
16883U	86 56	A	86220.49331373	.00450764	36104-4	75302-4	0	22
16883	64.8775		76.3266	0007927	321.9733	38.0889	16.32905944	149

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168830	86	56	A	86221.90132440	.00511946	36454-4	73629-4	0	25
16883	64.8766	70.9334	0007419	316.4124	43.6465	16.34368452	172		
168830	86	56	A	86222.91891422	.00770525	36827-4	97047-4	0	21
16883	64.8757	67.4066	0007632	309.2257	51.2456	16.35582358	187		
168830	86	56	A	86223.91891629	.00658927	36251-4	70953-4	0	28
16883	64.8766	63.1827	0007672	307.2954	52.3836	16.37020226	205		
168830	86	56	A	86224.22439773	.00737262	36703-4	74736-4	0	29
16883	64.8754	62.0045	0008577	307.207	52.9259	16.37518749	216		
168830	86	56	A	86225.56699537	.01025980	37045-4	76951-4	0	31
16883	64.8731	56.8211	0009074	301.2251	58.7926	16.40045368	232		
168830	86	56	A	86225.87183221	.01294375	36878-4	87715-4	0	32
16883	64.8732	55.6363	0008973	295.5885	64.5659	16.40963134	237		
168830	86	56	A	86225.99369524	.01254745	37378-4	79363-4	0	33
16883	64.8740	55.1700	0008976	296.6274	63.3837	16.41155873	239		

16883U	86 56	A	86226.05463244	.01043981	37275-4	63855-4 0	34
16883	64.8737		54.9341 0009279	292.9410	67.0823	16.41250834	240
16883U	86 56	A	86226.54195111	.01154526	36871-4	52562-4 0	35
16883	64.8701		53.0457 0009388	295.5191	64.6969	16.42474476	248
16883U	86 56	A	86226.78543031	.01496143	36978-4	57980-4 0	36
16883	64.8731		52.0980 0009131	291.1659	68.9473	16.43220892	252
16883U	86 56	A	86226.90712293	.01384248	37259-4	49555-4 0	37
16883	64.8745		51.6296 0009397	292.4558	67.5507	16.43551067	254
16883U	86 56	A	86227.39371371	.01884364	37617-4	46219-4 0	38
16883	64.8736		49.7360 0009057	293.6082	66.7289	16.45318884	262
16883U	86 56	A	86227.51520882	.01830323	37560-4	41388-4 0	39
16883	64.8705		49.2617 0009858	290.4867	69.5218	16.45751218	264
16883U	86 56	A	86227.69747442	.02716305	37601-4	51641-4 0	40
16883	64.8725		48.5483 0009552	285.0555	75.0481	16.46705518	267
16883U	86 56	A	86228.18292785	.03835048	37437-4	43278-4 0	42
16883	64.8718		46.6534 0010567	286.7530	73.2985	16.49642486	275
16883U	86 56	A	86228.60680118	.06592460	37806-4	38749-4 0	44
16883	64.8693		44.9834 0010941	275.7310	84.3352	16.54046141	282

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16885U	86 57	A	86213.21392237	.00000190	00000-0	99999-4 0	5
16885	62.7833	124.1687	7407180	287.8708	9.3335	1.95686990	4
16885U	86 57	A	86226.76536258	.00000267	00000-0	00000 0 0	17
16885	62.8347	122.1612	7364500	287.9026	9.5636	2.00627740	31
16885U	86 57	A	86229.75589872	.00000265	00000-0	00000 0 0	20
16885	62.8516	121.7207	7364981	287.9000	9.5576	2.00628865	37

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Ned: 16/8-86

16890U	86 58	A	86214.44328286	.00000834	-57081-5	00000 0 0	1
16890	82.6041		117.7844 0070277	85.3070	274.9410	16.16219524	1
16890U	86 58	A	86214.87680995	.00019156	-59408-5	81869-5 0	2
16890	82.5926		117.2991 0069502	83.7906	277.1232	16.16214844	8
16890U	86 58	A	86215.00064274	.00004590	00000-0	81869-5 0	3
16890	82.5819		117.1498 0006778	1.4482	355.0971	16.01490984	10
16890U	86 58	A	86215.12627004	.00005052	00000-0	81869-5 0	4
16890	82.5785		117.0236 0011062	310.6699	50.2808	16.03061737	12
16890U	86 58	A	86215.87518934	.00005046	00000-0	81869-5 0	5
16890	82.5814		116.1839 0011035	315.9274	44.0421	16.03048823	24
16890U	86 58	A	86216.00004924	.00000429	00000-0	61181-6 0	6
16890	82.5804		116.0448 0011330	315.7757	44.2645	16.03051540	26
16890U	86 58	A	86216.87398117	.00000432	00000-0	61181-6 0	7
16890	82.5819		115.0710 0010956	312.6627	47.4871	16.03087768	40

16890U	86 58	A	86217.81029651	.00001301	00000-0	20312-5	0	8
16890	82.5789		114.0278	0010868	311.7495	48.3692	16.03116863	55
16890U	86 58	A	86217.81028198	.00012053	00000-0	19572-4	0	9
16890	82.5820		114.0295	0010924	308.2872	51.7549	16.03123769	55
16890U	86 58	A	86218.93384769	.00015570	00000-0	25240-4	0	10
16890	82.5819		112.7784	0010851	302.8480	57.2148	16.03162857	73
16890U	86 58	A	86219.93254241	.00012615	00000-0	20407-4	0	11
16890	82.5809		111.6662	0011060	298.1197	61.8792	16.03185123	89
16890U	86 58	A	86220.05738245	.00011324	00000-0	20407-4	0	12
16890	82.5816		111.5285	0005472	332.2864	27.0417	16.01437963	91
16890U	86 58	A	86221.80715665	.00010361	00000-0	18647-4	0	14
16890	82.5774		109.5842	0005665	322.9180	37.2463	16.01453860	119
16890U	86 58	A	86222.80691315	.00013590	00000-0	24437-4	0	15
16890	82.5771		108.4742	0005559	317.4733	42.6440	16.01484994	135
16890U	86 58	A	86223.93162311	.00013296	00000-0	23864-4	0	16
16890	82.5767		107.2252	0005504	311.8183	48.2663	16.01515081	153
16890U	86 58	A	86226.93073895	.00012495	00000-0	22311-4	0	19
16890	82.5795		103.8943	0005002	297.6865	62.3683	16.01605681	201

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16895U	86 59	A	86216.27025042	- .00000132	00000-0	00000 0 0	1
16895	65.0245		64.2404	0012338	277.6472	82.3604 15.43554342	1
16895U	86 59	A	86264.85718153	.00002766	00000-0	64319-4 0	69
16895	65.0191		262.0679	0010447	280.0227	79.8845 15.43386170	751
16895U	86 59	A	86347.93513679	.00005674	00000-0	13133-3 0	194
16895	65.0193		344.8430	0011278	287.0965	72.7442 15.43471807	2033

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16897U	86 60	A	86218.61895492	-.00005134	35524-4	00000 0 0	1
16897	64.7863		192.6853	0075906	64.1859	296.7198	16.16173105
16897U	86060	A	86218.68085710	.00000000	00000-0	00000-0 0 0002	
16897	064.7596		192.4170	0079489	063.6000	297.3219	16.1565631500002
16897U	86 60	A	86218.80459027	-.00005088	35116-4	00000 0 0	3
16897	64.7695		191.9655	0072761	62.7482	297.8238	16.15686291
16897U	86 60	A	86219.05222929	.00347318	35343-4	14785-3 0	4
16897	64.7563		191.0257	0073187	62.2901	298.6985	16.15921005
16897U	86 60	A	86219.67125691	.00493181	35144-4	12796-3 0	5
16897	64.7568		188.7114	0117276	83.7153	277.7362	16.12778951
16897U	86 60	A	86219.79526958	.00137871	10370-4	12796-3 0	6
16897	64.7554		188.2514	0070828	75.0878	282.2384	16.06682519
16897U	86 60	A	86219.92037466	.00095319	97286-5	12796-3 0	7
16897	64.7485		187.7897	0032600	84.9106	275.9593	16.05328107

16897U	86 60	A	86219.98260522	.00095678	98034-5	12796-3 0	8
16897	64.7502	137.5595	0033136	84.9779	275.5085	16.05348911	24
16897U	86 60	A	86221.91356759	.00082093	87146-5	10826-3 0	10
16897	64.7554	180.4238	0032290	83.9121	276.5245	16.05681706	55
16897U	86 60	A	86224.52910784	.00173467	19366-4	21885-3 0	14
16897	64.7529	170.7587	0032485	82.7975	277.8144	16.06168858	96
16897U	86 60	A	86225.96106738	.00093299	99228-5	11707-3 0	17
16897	64.7532	165.4533	0032224	83.2442	277.3195	16.06428079	119
16897U	86 60	A	86226.89481467	.00098090	10415-4	12153-3 0	18
16897	64.7572	162.0039	0032066	82.9034	277.6326	16.06623175	134
16897U	86 60	A	86227.89068941	.00091970	98928-5	11272-3 0	19
16897	64.7568	158.3171	0032176	83.0732	277.3492	16.06801930	150
16897U	86 60	A	86229.94436046	.00094455	10299-4	11272-3 0	21
16897	64.7586	150.7133	0032470	82.4800	277.9844	16.07189306	133
16897U	86 60	A	86231.99756112	.00086713	97694-5	10184-3 0	23
16897	64.7598	143.1064	0031417	82.0496	278.4472	16.07541467	216
16897U	86 60	A	86233.92583382	.00122502	13293-4	13875-3 0	26
16897	64.7573	135.9574	0031098	81.9325	278.6273	16.08011322	247
16897U	86 60	A	86235.16955563	.00150534	17128-4	16565-3 0	27
16897	64.7553	131.3435	0030974	81.9661	278.7760	16.08414662	267
16897U	86 60	A	86235.85341405	.00145678	16524-4	15845-3 0	28
16897	64.7556	128.8058	0030854	81.8286	278.6026	16.08607742	278

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6897U	86 60	A	86237.96679400	.00141580	16240-4	14846-3 0	30
6897	64.7570		120.9596 0030193	81.7287	278.7157	16.09210584	312
6897U	86 60	A	86238.83678036	.00137034	15532-4	14156-3 0	31
6897	64.7568		117.7275 0030066	80.9365	279.4958	16.09448242	326
6897U	86 60	A	86240.82484233	.00137179	16017-4	13697-3 0	33
6897	64.7557		110.3347 0029500	80.8223	279.6492	16.09999076	358
6897U	86 60	A	86241.81861059	.00143270	17001-4	14031-3 0	34
6897	64.7558		106.6373 0029312	81.1708	279.3078	16.10289615	374
6897U	86 60	A	86242.81217892	.00117854	13715-4	11365-3 0	35
6897	64.7555		102.9377 0028943	80.3663	280.0655	16.10587235	390
6897U	86 60	A	86242.99845876	.00080266	98080-5	11365-3 0	36
6897	64.7576		102.2544 0069613	83.3983	271.0344	16.00855440	393
6897U	86 60	A	86243.87413513	.00109118	12039-4	15221-3 0	37
6897	64.7547		99.0400 0068929	82.3268	278.6886	16.01061357	407
6897U	86 60	A	86244.93590400	.00102171	11541-4	14111-3 0	38
6897	64.7550		95.1426 0068611	81.8974	278.9384	16.01275735	424
6897U	86 60	A	86245.99756611	.00100048	11358-4	13674-3 0	40
6897	64.7548		91.2404 0068263	81.3324	279.5217	16.01486786	441

16897U	86 60	A	86247.87073956	.00100817	11565-4	13494-3 0	44
16897	64.7551		84.3572 0067777	80.5385	280.3123	16.01862696	471
16897U	86 60	A	86248.24532539	.00071990	00000-0	93946-4 0	45
16897	64.7541		82.9778 0067300	80.6506	280.1853	16.01908473	477
16897U	86 60	A	86250.92935530	.00097418	11256-4	12698-3 0	48
16897	64.7537		73.1115 0066408	79.2679	281.5712	16.02445431	520
16897U	86 60	A	86252.55169595	.00160932	18437-4	20339-3 0	51
16897	64.7540		57.1359 0064619	79.2654	281.5355	16.03000105	546
16897U	86 60	A	86252.86362967	.00153703	17537-4	19340-3 0	53
16897	64.7558		65.9873 0064552	78.7848	282.0289	16.03086683	551
16897U	86 60	A	86253.86167918	.00155486	17749-4	19340-3 0	54
16897	64.7560		62.3109 0063631	77.8798	282.8487	16.03368480	567
16897U	86 60	A	86254.61011632	.00084096	10661-4	10499-3 0	55
16897	64.7545		59.5535 0063935	77.2290	283.3453	16.03463614	579
16897U	86 60	A	86254.92200172	.00096982	11607-4	12003-3 0	56
16897	64.7537		58.4035 0063920	77.2713	283.5878	16.03539201	584
16897U	86 60	A	86255.91973470	.00203082	25611-4	24462-3 0	58
16897	64.7557		54.7286 0062858	76.2739	284.4153	16.03897227	600
16897U	86 60	A	86256.60557178	.00118614	13673-4	14307-3 0	59
16897	64.7531		52.1984 0062140	75.8388	284.8405	16.04078255	611

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16897U	86 60	A	86256.91731158	.00119343	13970-4	14307-3	0	60
16897	64.7556		51.0491 0061883	75.9705	284.8994	16.04202565		616
16897U	86 60	A	86257.85234122	.00136767	77103-5	16164-3	0	62
16897	64.7550		47.6005 0061185	75.6781	285.1542	16.04453268		631
16897U	86 60	A	86259.03551382	.00235848	78116-5	27324-3	0	63
16897	64.7540		43.2253 0060261	74.4266	286.3624	16.04760947		650
16897U	86 60	A	86259.90891680	.00128136	78530-5	14781-3	0	64
16897	64.7541		40.0061 0059967	74.2863	286.4900	16.04983228		664
16897U	86 60	A	86261.15499446	.00122626	78647-5	13943-3	0	65
16897	64.7528		35.4052 0059268	73.9509	286.7627	16.05290072		684
16897U	86 60	A	86264.82936276	.00137932	81422-5	14921-3	0	70
16897	64.7558		21.8215 0056221	71.6110	289.0740	16.06348710		743
16897U	86 60	A	86265.83764510	.00124765	80082-5	13378-3	0	71
16897	64.7558		17.9045 0055293	71.1655	289.4594	16.06606922		760
16897U	86 60	A	86266.38561901	.00024509	00000-0	26213-4	0	72
16897	64.7570		16.0626 0055265	70.3205	290.3282	16.06663135		768
16897U	86 60	A	86269.79895479	.00333632	34987-4	18144-3	0	81
16897	64.7553		3.3399 0063747	49.0014	311.6454	16.14501802		823

6897U	86	60	A	86269.79895479	.00333632	34987-4	18144-3	0	82
6897	64.7553	3.3399	0063747	49.0014	311.6454	16.14501802	823		
6897U	86	60	A	86270.75983634	.00350106	35263-4	18260-3	0	83
6897	64.7549	359.6293	0062137	48.4445	312.3399	16.15225558	839		
6897U	86	60	A	86270.73983634	.00350106	35263-4	18260-3	0	84
6897	64.7549	359.6293	0062137	48.4445	312.3399	16.15225558	839		
6897U	86	60	A	86271.75023719	.00354081	34896-4	17737-3	0	85
6897	64.7541	355.9163	0060451	47.8567	312.7962	16.15939850	855		
6897U	86	60	A	86273.01764540	.00374113	35263-4	17898-3	0	87
6897	64.7576	351.2721	0057609	47.5700	313.1162	16.16867867	875		
6897U	86	60	A	86275.87635036	.00209964	27774-4	22385-3	0	93
6897	64.7564	340.6413	0040704	89.3730	271.2550	16.08066190	921		
6897U	86	60	A	86276.37383584	.00107761	12702-4	11526-3	0	95
6897	64.7558	338.8002	0040639	90.9569	269.5183	16.08170057	929		
6897U	86	60	A	86277.92828566	.00150920	18079-4	15602-3	0	97
6897	64.7549	333.0327	0039850	90.1085	270.5293	16.08660336	954		
6897U	86	60	A	86278.86070818	.00153141	18489-4	15614-3	0	98
6897	64.7537	329.5700	0039127	89.8266	270.6359	16.08925293	969		
6897U	86	60	A	86279.91730901	.00175640	21978-4	17515-3	0	101
6897	64.7525	325.6445	0038335	88.7385	271.9433	16.09289595	986		

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16897U	86 60	A	86280.91147276	.00149396	18005-4	14717-3	0	102
16897	64.7532	321.9499	0037417	87.8902	272.5108	16.09579018	1002	
16897U	86 60	A	86281.96764110	.00118546	14377-4	11548-3	0	104
16897	64.7526	319.0209	0036673	87.6547	272.8350	16.09867154	1019	
16897U	86 60	A	86286.87278162	.00168521	83084-5	14799-3	0	110
16897	64.7510	299.7558	0034560	85.0103	275.4762	16.11460944	1098	
16897U	86 60	A	86286.87278162	.00168521	83084-5	14799-3	0	112
16897	64.7510	299.7558	0034560	85.0103	275.4762	16.11460944	1098	
16897U	86 60	A	86289.54077021	.00158560	17776-4	19288-3	0	117
16897	64.7495	289.8088	0041212	75.0173	284.8314	16.06069088	1141	
16897U	86 60	A	86289.54077021	.00158560	17776-4	19288-3	0	117
16897	64.7495	289.8088	0041212	75.0173	284.8314	16.06069088	1141	
16897U	86 60	A	86289.85222600	.00159681	17831-4	19288-3	0	118
16897	64.7519	288.6548	0041597	74.0076	286.5369	16.06139361	1146	
16897U	86 60	A	86289.85222600	.00159681	17831-4	19288-3	0	118
16897	64.7519	288.6548	0041597	74.0076	286.5369	16.06139361	1146	

16897U	86 60	A	86290.84837599	.00161972	18478-4	19288-3 0	119
16897	64.7492	284.9673	0040666	72.9514	287.5076	16.06440548	1162
16897U	86 60	A	86290.84837599	.00161972	18478-4	19288-3 0	119
16897	64.7492	284.9673	0040666	72.9514	287.5076	16.06440548	1162
16897U	86 60	A	86291.65762409	.00122951	13477-4	14563-3 0	120
16897	64.7509	281.9747	0040850	73.0403	287.1327	16.06567414	1175
16897U	86 60	A	86291.65762409	.00122951	13477-4	14563-3 0	120
16897	64.7509	281.9747	0040850	73.0403	287.1327	16.06567414	1175
16897U	86 60	A	86292.90254067	.00105824	11828-4	12281-3 0	122
16897	64.7510	277.3639	0040700	72.3483	288.2444	16.06936487	1195
16897U	86 60	A	86294.39602755	.00160556	18629-4	17980-3 0	125
16897	64.7512	271.8277	0040342	71.8301	289.1619	16.07403315	1219
16897U	86 60	A	86296.88397407	.00161524	19317-4	17287-3 0	128
16897	64.7510	262.6050	0038923	71.2145	289.2751	16.08209788	1259
16897U	86 60	A	86297.87884397	.00164951	19771-4	17288-3 0	129
16897	64.7509	258.9129	0038624	70.5594	289.9707	16.08539310	1275
16897U	86 60	A	86298.93565918	.00167596	20478-4	17193-3 0	130
16897	64.7494	254.9898	0038123	70.4062	290.1390	16.08899557	1292
16897U	86 60	A	86299.86794161	.00184211	23571-4	18445-3 0	131
16897	64.7497	251.5265	0037950	70.3736	290.2448	16.09257523	1307

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6897U	86 60	A	86300.92425492	.00216778	30145-4	21055-3 0	132
6897	64.7487	247.5970	0037382	70.3178	290.3582	16.09726391	1324
6897U	86 60	A	86301.98022640	.00260241	80231-5	24249-3 0	133
6897	64.7479	243.6679	0037119	70.3163	290.5324	16.10321140	1341
6897U	86 60	A	86302.91158209	.00248693	81436-5	22543-3 0	134
6897	64.7481	240.1998	0036507	70.7070	289.7298	16.10778052	1356
6897U	86 60	A	86303.78068143	.00253807	81582-5	22347-3 0	136
6897	64.7494	236.9634	0036039	70.6128	289.9342	16.11230831	1370
6897U	86 60	A	86306.94436301	.00282340	88995-5	22074-3 0	140
6897	64.7506	225.1587	0034051	70.6393	289.8911	16.13061792	1421
6897U	86 60	A	86307.93615145	.00267885	91829-5	20244-3 0	141
6897	64.7495	221.4511	0033487	70.4913	289.8989	16.13588021	1437
6897U	86 60	A	86309.05156046	.00465017	96083-5	33081-3 0	142
6897	64.7481	217.2760	0032163	70.6706	290.1754	16.14470037	1455
6897U	86 60	A	86309.05156046	.00465017	96083-5	33081-3 0	143
6897	64.7481	217.2760	0032163	70.6706	290.1754	16.14470037	1455
6897U	86 60	A	86309.98042505	.00505614	98715-5	34125-3 0	145
6897	64.7469	213.7929	0031689	71.9905	288.3763	16.15216072	147

16897U	86 60	A	86325.94658769	.00165488	80915-5	15436-3 0	173
16897	64.7465	154.4167	0039920	99.2950	261.2820	16.10136792	1727
16897U	86 60	A	86326.87815733	.00166001	82406-5	15186-3 0	174
16897	64.7458	150.9500	0039544	98.5980	261.9735	16.10452359	1742
16897U	86 60	A	86327.93371588	.00171600	84577-5	15357-3 0	176
16897	64.7461	147.0186	0038826	97.8135	262.7950	16.10826158	1759
16897U	86 60	A	86328.92694760	.00349661	84400-5	30048-3 0	177
16897	64.7454	143.3121	0037633	97.7367	263.1796	16.11404855	1775
16897U	86 60	A	86329.98169162	.00330910	87358-5	27238-3 0	178
16897	64.7451	139.3799	0036769	95.3732	265.0148	16.12094876	1792
16897U	86 60	A	86329.98169162	.00330910	87358-5	27238-3 0	179
16897	64.7451	139.3799	0036769	95.3732	265.0148	16.12094876	1792
16897U	86 60	A	86331.34610822	.00266768	91504-5	20950-3 0	180
16897	64.7453	134.2847	0035049	94.9460	265.5157	16.12926696	1814
16897U	86 60	A	86331.90409570	.00271549	92402-5	20897-3 0	181
16897	64.7451	132.2001	0034836	95.5669	264.9297	16.13224245	1823
16897U	86 60	A	86332.95777202	.00248605	93722-5	18565-3 0	182
16897	64.7439	128.2601	0033999	94.9317	265.3738	16.13721789	1840
16897U	86 60	A	86333.88726349	.00260667	94623-5	18917-3 0	183
16897	64.7434	124.7818	0033062	94.0814	266.3719	16.14184753	1855

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16897U	86 60	A	86334.07313008	.00185799	23166-4	18917-3	0	184
16897	64.7445		124.0861 0026901	128.3530	230.7607	16.09813733		1858
16897U	86 60	A	86334.25971075	.00148445	16008-4	18917-3	0	185
16897	64.7436		123.3995 0041022	106.0940	251.4715	16.05378354		1861
16897U	86 60	A	86334.94542962	.00182756	21377-4	22895-3	0	186
16897	64.7444		120.8648 0040718	106.0155	254.6122	16.05632514		1872
16897U	86 60	A	86336.06640264	.00165311	18565-4	20347-3	0	187
16897	64.7440		116.7193 0039906	105.7371	254.6698	16.05990236		1890
16897U	86 60	A	86338.93021487	.00135218	14773-4	16049-3	0	190
16897	64.7450		106.1184 0037861	104.7924	255.7448	16.06764372		1936
16897U	86 60	A	86339.86375688	.00135010	14913-4	15811-3	0	192
16897	64.7442		102.6607 0037325	104.4761	256.0306	16.07014260		1951
16897U	86 60	A	86340.85937929	.00126106	13682-4	14574-3	0	193
16897	64.7438		98.9738 0036954	104.2335	256.2222	16.07259319		1967
16897U	86 60	A	86344.96482454	.00089640	00000-0	96202-4	0	198
16897	64.7460		83.7446 0033679	103.2925	257.2646	16.08226790		2033
16897U	86 60	A	86344.96482454	.00089640	00000-0	96202-4	0	199
16897	64.7460		83.7446 0033679	103.2925	257.2646	16.08226790		2033

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16897U	86 60	A	86345.95971154	.00130560	14638-4	14133-3	0	201
16897	64.7446		80.0524	0033583	102.2836	258.4230	16.08507263	2049
16897U	86 60	A	86346.95437093	.00123717	13999-4	13226-3	0	203
16897	64.7438		76.3574	0033022	102.4667	257.9838	16.08753773	2065
16897U	86 60	A	86347.94892610	.00126115	14386-4	13263-3	0	204
16897	64.7442		72.6638	0032829	102.3785	258.1098	16.09007833	2081
16897U	86 60	A	86348.88117119	.00152069	17790-4	15637-3	0	205
16897	64.7461		69.2016	0032587	99.6451	260.9935	16.09318218	2096
16897U	86 60	A	86349.93745725	.00159106	19100-4	16004-3	0	206
16897	64.7463		65.2734	0032004	99.2879	261.3283	16.09681844	2113
16897U	86 60	A	86353.85022611	.00140117	16818-4	13231-3	0	210
16897	64.7425		50.7088	0030190	95.9722	264.4977	16.10771182	2176
16897U	86 60	A	86354.84351784	.00157859	19556-4	14571-3	0	211
16897	64.7450		47.0086	0030174	96.3050	264.1857	16.11080018	2192
16897U	86 60	A	86355.83566457	.00160170	20040-4	14501-3	0	212
16897	64.7424		43.3067	0029792	95.3018	265.0925	16.11385112	2208
16897U	86 60	A	86356.89156739	.00177221	23012-4	15653-3	0	213
16897	64.7433		39.3715	0029399	94.0818	266.3857	16.11750566	2225

16897U	86 60	A	86357.76089245	.00101780	98749-5	15653-3	0	216
16897	64.7451		36.1355 0044465	88.5681	269.9089	16.02183341		2239
16897U	86 60	A	86357.94852002	.00106177	22077-4	20619-3	0	216
16897	64.7436		35.4461 0044934	88.4602	272.2082	16.02298740		2242
16897U	86 60	A	86358.88469971	.00081272	85384-5	12287-3	0	218
16897	64.7428		32.0026 0045448	88.1034	272.5591	16.02454656		2257
16897U	86 60	A	86360.19516358	.00073736	81189-5	11648-3	0	220
16897	64.7443		27.1789 0044899	87.5801	273.0213	16.02691270		2278
16897U	86 60	A	86361.00632840	.00091137	91929-5	13455-3	0	221
16897	64.7434		24.1911 0044627	86.6499	274.0902	16.02863997		2291
16897U	86 60	A	86362.06691684	.00050001	00000-0	71505-4	0	222
16897	64.7437		20.2847 0044588	85.9856	274.5927	16.03029906		2308.
16897U	86 60	A	86365.87174824	.00075028	83641-5	10664-3	0	227
16897	64.7420		6.2619 0043779	84.1378	276.4831	16.03625106		2369
97U	86 60	A	87 1.80714951	.00078903	86280-5	11090-3	0	228
97	64.7433		2.8122 0043616	83.7650	276.9217	16.03797570		2384
97U	86 60	A	87 1.86949285	.00085181	91425-5	11951-3	0	229
97	64.7424		2.5831 0043501	83.5896	277.0198	16.03808723		2385
97U	86 60	A	87 2.86713201	.00095163	99598-5	13175-3	0	230
97	64.7417		358.9026 0043164	82.8390	277.8367	16.04010480		2401

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97U 86 60 A 87	3.92696724	.00096297	10111-4	13175-3 0	231
97 64.7431 354.9917 0042940	82.5966	277.9851	16.04213532	2418	
97U 86 60 A 87	4.92435125	.00082111	90385-5	11169-3 0	232
97 64.7425 351.3113 0042977	82.2565	278.1911	16.04359655	2434	
97U 86 60 A 87	5.92167654	.00075544	86788-5	10216-3 0	233
97 64.7435 347.6310 0042755	81.4749	279.0593	16.04505589	2450	
16897U 86 60 A 87	6.91889972	.00071321	00000-0	92711-4 0	234
16897 64.7432 343.9470 0042189	80.7283	279.8591	16.04655640	2466	
16897U 86 60 A 87	8.78839471	.00210461	34884-4	12867-3 0	236
16897 64.7462 337.0376 0065734	55.6576	307.4774	16.12891973	2496	
16897U 86 60 A 87	8.78839471	.00210461	34884-4	12867-3 0	237
16897 64.7462 337.0376 0065734	55.6576	307.4774	16.12891973	2496	
16897U 86 60 A 87	8.97399087	.00212227	35105-4	12867-3 0	238
16897 64.7398 336.3401 0065947	55.9937	304.7345	16.12964149	2499	
16897U 86 60 A 87	8.97399087	.00212227	35105-4	12867-3 0	239
16897 64.7398 336.3401 0065947	55.9937	304.7345	16.12964149	2499	
16897U 86 60 A 87	9.90390369	.00218775	34730-4	12867-3 0	240
16897 64.7419 332.8681 0064823	55.3646	305.6422	16.13487509	2514	

16897U	86	60	A	87	10.89540875	.00262653	35295-4	14933-3	0	242
16897	64.7429	329.1573	0063447	55.3938	305.4924	16.14053346	2530			
16897U	86	60	A	87	11.01929639	.00497133	35583-4	29151-3	0	243
16897	64.7430	328.6914	0064060	52.8385	307.5605	16.13478462	2532			
16897U	86	60	A	87	11.88698783	.00154624	35331-4	91619-4	0	245
16897	64.7415	325.4484	0062646	52.8876	307.7821	16.13821077	2546			
16897U	86	60	A	87	12.75448130	.00121889	00000-0	91619-4	0	246
16897	64.7645	322.2081	0055547	35.8118	323.9758	16.11336199	2560			
16897U	86	60	A	87	12.81666623	.00119278	00000-0	91619-4	0	247
16897	64.7406	321.9725	0056525	39.9080	320.4761	16.10926250	2561			
16897U	86	60	A	87	12.94085092	.00255908	10933-4	20008-3	0	248
16897	64.7413	321.5090	0057279	38.6072	321.7818	16.10676083	2563			
16897U	86	60	A	87	13.43754872	.00070081	00000-0	54026-4	0	250
16897	64.7417	319.6577	0056927	38.0537	322.4483	16.10873974	2571			
16897U	86	60	A	87	13.49963344	.00142854	10960-4	11126-3	0	251
16897	64.7430	319.4263	0056732	37.8866	322.6383	16.10911663	2572			
16897U	86	60	A	87	14.05833937	.00151597	12278-4	11126-3	0	252
16897	64.7426	317.3442	0063115	36.2894	323.3710	16.10875319	2581			
16897U	86	60	A	87	14.05833937	.00151597	12278-4	11126-3	0	253
16897	64.7426	317.3442	0063115	36.2894	323.3710	16.10875319	2581			

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16897U	86 60	A 87 15.11378270	.00588164	34787-4	41092-3 0	254
16897	64.7477	313.4140 0063899	40.7673	319.5404	16.11266962	2598
16897U	86 60	A 87 15.11378270	.00588164	34787-4	41092-3 0	255
16897	64.7477	313.4140 0063899	40.7673	319.5404	16.11266962	2598
16897U	86 60	A 87 15.92046349	.00635697	34939-4	41092-3 0	256
16897	64.7391	310.4001 0072408	47.6528	311.1827	16.11032553	2611
16897U	86 60	A 87 16.85150055	.00682091	34906-4	42390-3 0	259
16897	64.7439	306.9325 0066569	47.5073	313.1745	16.12366859	2626
16897U	86 60	A 87 18.15417180	.00111663	34832-4	75649-4 0	262
16897	64.7439	302.0689 0062241	53.2365	307.0655	16.12344706	2647
16897U	86 60	A 87 19.20845897	.00208234	35021-4	13488-3 0	264
16897	64.7405	298.1314 0060584	53.6574	306.9008	16.12868069	2664
16897U	86 60	A 87 19.89047824	.01647734	35187-4	92834-3 0	265
16897	64.7421	295.5827 0067586	45.1289	315.5937	16.13375873	2675
16897U	86 60	A 87 20.13842072	.00270452	35340-4	15438-3 0	266
16897	64.7412	294.6565 0067565	47.1827	313.5236	16.13409053	1710
16897U	86060	A 87 21.62578395	.00318271	00000-0	00000-0 0	0269
16897	64.7432	289.0839 0069768	54.6172	306.1411	16.1425474402704	

168970	86 60	A 87	21.87357067	.00328217	35292-4	17748-3 0	270
16897	64.7378	268.1686	0064757	51.6871	309.0174	16.14431052	2708
168970	86 60	A 87	22.05939855	.00237342	11089-4	17748-3 0	271
16897	64.7423	267.4643	0053296	50.1523	310.3056	16.11769427	2711
168970	86 60	A 87	22.99000803	.00386639	11023-4	28442-3 0	272
16897	64.7395	283.9903	0051863	50.2044	309.9007	16.12092012	2726
168970	86 60	A 87	23.67236454	.00247326	10872-4	17978-3 0	273
16897	64.7401	281.4469	0051235	49.8196	310.3985	16.12380149	2737
168970	86 60	A 87	23.85849163	.00221951	11012-4	16097-3 0	274
16897	64.7403	280.7503	0051071	50.1054	310.4347	16.12448321	2740
168970	86 60	A 87	24.23060657	.00129189	00000-0	91986-4 0	275
16897	64.7398	279.3513	0050805	49.8868	310.6932	16.12616294	2746
168970	86 60	A 87	24.85072469	.00226791	11653-4	16144-3 0	276
16897	64.7403	277.0445	0050172	49.7446	310.9826	16.12916514	2756
168970	86 60	A 87	25.09870075	.00237915	11143-4	16663-3 0	277
16897	64.7416	276.1171	0049852	49.4523	311.1110	16.13041688	279
168970	86 60	A 87	26.71030491	.00224181	11549-4	15034-3 0	279
16897	64.7405	270.0910	0048571	48.7092	311.8155	16.13770633	305
168970	86060	A 87028	69282744	.00229117	00000-0	00000-0 0	0281
16897	064.7405	262.6621	0053820	052.3625	308.2329	16.1468028402817	

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16897U	86 60	A 87	28.94055994	.00228472	12246-4	14385-3	0	281
16897	64.7395	261.7397	0046726	47.4240	313.1813	16.14802034		2821
16897U	86 60	A 87	29.68363973	.00254638	12386-4	15663-3	0	282
16897	64.7371	258.9513	0045642	46.5226	314.1067	16.15204714		2833
16897U	86 60	A 87	29.93127023	.00250091	12469-4	15260-3	0	283
16897	64.7382	258.0241	0045483	46.4782	314.0166	16.15329509		2837
16897U	86 60	A 87	30.92169306	.00257467	35177-4	15260-3	0	284
16897	64.7368	254.3086	0045208	44.8930	315.5558	16.15829083		2853
16897U	86 60	A 87	31.91185255	.00229930	35501-4	13333-3	0	286
16897	64.7376	250.5900	0044675	45.2938	315.2038	16.16263178		2869
16897U	86 60	A 87	32.46868121	.00237850	35519-4	13550-3	0	287
16897	64.7365	248.4965	0043447	44.8148	315.6969	16.16547360		2878
16897U	86 60	A 87	32.90169624	.00241373	35281-4	13528-3	0	288
16897	64.7366	246.8707	0043315	44.6524	315.8134	16.16762658		2885

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Ajisai (EGS)

16908U	86 61	A	86227.24304714	-.00000039	00000-0	00000 0 0	4
16908	50.0051		245.7873	0011032	228.6975	131.2911 12.44365502	30
16908U	86 61	A	86233.42741225	-.00000039	00000-0	00000 0 0	7
16908	50.0056		226.7690	0011597	242.5351	117.4305 12.44366908	107
6908U	86 61	A	86271.73841824	-.00000025	00000-0	99999-4 0	8
6908	50.0081		100.9933	0011131	342.6658	17.9780 12.44367314	584

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Ajisai (EGS)

16908U	86 61	A	86227.24304714	-.00000039	00000-0	00000 0 0	4
16908	50.0051	245.7873	0011032	228.6975	131.2911	12.44365502	30
16908U	86 61	A	86233.42741225	-.00000039	00000-0	00000 0 0	7
16908	50.0056	226.7690	0011597	242.5351	117.4305	12.44366908	107
6908U	86 61	A	86271.73841824	-.00000025	00000-0	99999-4 0	8
6908	50.0081	108.9933	0011131	342.6668	17.9780	12.44367314	584

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16917U	86 62	A	86232.59566564	-.00000391	00000-0	00000 0 0	
16917	65.0050		197.7776	0016384	256.5692	103.3031	16.06897838
16917U	86 62	A	86233.90317940	-.00000372	00000-0	00000 0 0	
16917	64.9995		192.9853	0010697	268.5138	91.5959	16.06379200
16917U	86 62	A	86243.92673571	.00023757	00000-0	31573-4 0	16
16917	65.0030		156.2455	0009922	267.9771	92.0512	16.06387590
16917U	86 62	A	86244.98507637	.00151153	14853-4	20253-3 0	17
16917	65.0031		152.3627	0010061	264.7237	94.9987	16.06272718
16917U	86 62	A	86250.77520628	.00005123	00000-0	72556-5 0	25
16917	65.0012		131.1408	0010366	272.5219	87.5022	16.06298714
16917U	86 62	A	86250.96198175	.00017091	00000-0	22966-4 0	26
16917	65.0014		130.4573	0010446	270.9287	89.0802	16.06313852
16917U	86 62	A	86252.58069990	.00024503	00000-0	32537-4 0	28
16917	65.0002		124.5211	0010648	273.1558	86.8678	16.06375648

169170	86	62	A	86252.89197864	.00011013	00000-0	14936-4 0	29
16917	65.0016	123.3794	0010450	270.8383	89.1408	16.06373567	327	
169170	86	62	A	86253.26552347	.00008984	00000-0	12261-4 0	30
16917	65.0008	122.0074	0010693	274.9652	85.0536	16.06389843	333	
169170	86	62	A	86253.82582581	.00043263	00000-0	57322-4 0	31
16917	64.9988	119.9526	0010327	267.8976	91.8908	16.06253916	342	
169170	86	62	A	86257.87258963	.00028025	00000-0	37423-4 0	35
16917	65.0054	105.1240	0010181	263.5156	96.1369	16.06253575	407	
169170	86	62	A	86261.91938552	.00066217	00000-0	87112-4 0	40
16917	65.0014	90.2862	0009214	270.4674	89.0525	16.06273929	472	
169170	86	62	A	86261.91938552	.00066217	00000-0	87112-4 0	41
16917	65.0014	90.2862	0009214	270.4674	89.0525	16.06273929	472	
169170	86	62	A	86264.90788031	.00025766	00000-0	34155-4 0	44
16917	65.0016	79.3315	0009409	272.6468	87.3405	16.06412854	520	
169170	86	62	A	86266.46438310	.00026447	00000-0	35356-4 0	48
16917	65.0009	73.6245	0010069	271.1962	88.6877	16.06254862	545	
69170	86	62	A	86269.82631410	.00029589	00000-0	38992-4 0	52
6917	65.0019	61.3006	0009720	270.8407	89.1752	16.06462424	599	
69170	86	62	A	86270.69784959	.00150617	14719-4	20153-3 0	53
6917	65.0045	58.1061	0010927	266.1022	93.4330	16.06273677	613	

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6917U	86	62	A	86270.82244915	.00011415	00000-0	15578-4	0	55
6917	65.0043	57.6485	0010494	266.5543	93.4187	16.06249843	615		
6917U	86	62	A	86273.87315209	.00004464	00000-0	63425-5	0	59
6917	65.0023	46.4631	0010625	270.3975	89.5970	16.06401451	664		
6917U	86	62	A	86273.87315209	.00004464	00000-0	63425-5	0	60
6917	65.0023	46.4631	0010625	270.3975	89.5970	16.06401451	664		
6917U	86	62	A	86275.55402735	.00310461	49393-4	41368-3	0	63
6917	65.0043	40.3013	0009872	272.0855	87.5817	16.06283445	691		
6917U	86	62	A	86276.05212189	.00018682	00000-0	25174-4	0	64
6917	65.0014	38.4743	0009412	271.5708	88.0947	16.06258885	699		
6917U	86	62	A	86277.85768688	.00028516	00000-0	37841-4	0	67
6917	65.0030	31.8609	0009437	269.8350	90.0705	16.06365536	728		
6917U	86	62	A	86278.85380580	.00030216	00000-0	39923-4	0	68
6917	65.0066	28.2073	0009290	272.8093	87.1881	16.06421496	744		
6917U	86	62	A	86279.65311568	.00098407	89637-5	13247-3	0	69
6917	65.0062	25.2390	0009953	268.9914	90.6344	16.06300147	757		

917U	86	62	A	86279.84995866	.00046070	00000-0	60880-4	0	70	
917	65.0049	24.5563	0009643	270.3369	89.5882	16.06294333	760			
16917U	86	62	A	86282.02899886	.00034722	00000-0	45803-4	0	72	
16917	65.0039	16.5671	0009583	272.3138	87.5974	16.06400723	795			
16917U	86	62	A	86286.88521009	.00029464	00000-0	38953-4	0	82	
16917	65.0041	358.7665	0010290	271.3257	88.6394	16.06396905	873			
16917U	86	62	A	86286.88521009	.00029464	00000-0	38953-4	0	83	
16917	65.0041	358.7665	0010290	271.3257	88.6394	16.06396905	873			
16917U	86	62	A	86289.99557565	-.00000035	00000-0	00000	0	0	88
16917	64.9901	349.2949	0057191	334.3087	25.5136	13.81849780	25			
16917U	86	62	A	86290.35743363	-.00000035	00000-0	00000	0	0	89
16917	64.9880	348.3592	0056204	333.9310	25.8921	13.81840323	30			
16917U	86	62	A	86291.51537726	.00001376	00000-0	13278-2	0	91	
16917	64.9888	345.3706	0056257	333.3720	26.4514	13.81851302	46			
16917U	86	62	A	86294.91683921	.00000271	00000-0	31153-3	0	93	
16917	64.9879	336.5910	0056745	332.4570	27.3484	13.81850116	93			
16917U	86	62	A	86296.36427127	-.00000017	00000-0	16508-4	0	94	
16917	64.9863	332.8543	0056866	332.0323	27.7682	13.81847736	113			

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16918U	86 63	A	86233.45351934	-.00001731	12036-4	00000	0 0	1
16918	72.8616	140.5206	0107250	86.2559	275.0180	16.01764464		0
16918U	86 63	A	86233.57844747	-.00001699	11752-4	00000	0 0	2
16918	72.8715	140.1933	0110132	85.8083	275.3930	16.01426417		2
16918U	86 63	A	86233.82836169	.00448674	11235-4	39190-3	0	3
16918	72.8580	139.5558	0109099	86.2040	275.1676	16.01393363		6
16918U	86 63	A	86234.01576669	.00409614	11303-4	39190-3	0	4
16918	72.8666	139.0902	0124238	82.2381	278.3701	15.97511431		9
16918U	86 63	A	86234.14117012	.00034956	00000-0	39190-3	0	5
16918	72.8616	138.7873	0044472	212.8613	146.0166	15.61236997		11
16918U	86 63	A	86234.33357595	.01138197	00000-0	11491-1	0	6
16918	72.8594	138.3324	0042037	210.8242	148.6715	15.60781675		14
16918U	86 63	A	86234.58998852	.00107887	00000-0	12281-2	0	7
16918	72.8598	137.7195	0041718	210.3495	149.2102	15.60728230		18

16918U	86 63	A	86235.16691429	.00108404	00000-0	12281-2 0	8
16918	72.8622	136.3376	0044158	208.5141	151.1909	15.60718169	27
16918U	86 63	A	86235.87200568	.00208596	00000-0	23394-2 0	9
16918	72.8590	134.6506	0044055	206.4680	153.1171	15.60685153	38
16918U	86 63	A	86235.87206107	.00096441	00000-0	10965-2 0	10
16918	72.8590	134.6513	0043983	206.6590	153.2350	15.60673694	38
16918U	86 63	A	86237.98741332	.00001718	00000-0	20449-4 0	12
16918	72.8580	129.5990	0043869	201.9064	157.9398	15.60641358	71
16918U	86 63	A	86238.88486515	.00001717	00000-0	20449-4 0	13
16918	72.8586	127.4559	0043759	199.4963	160.4556	15.60645638	85
16918U	86 63	A	86240.87209279	.00001715	00000-0	20449-4 0	15
16918	72.8579	122.7082	0043669	195.8626	164.1312	15.60612841	116
16918U	86 63	A	86241.83364759	.00001711	00000-0	20449-4 0	16
16918	72.8587	120.4111	0043049	193.0817	166.8192	15.60599068	131
16918U	86 63	A	86243.88504904	.00000084	00000-0	16979-5 0	19
16918	72.8569	115.5066	0043318	188.3254	171.6963	15.60557054	163
16918U	86 63	A	86244.97485722	.00000085	00000-0	16979-5 0	20
16918	72.8609	112.9086	0043041	186.2958	173.7380	15.60563193	180
16918U	86 63	A	86246.06466310	.00000084	00000-0	16979-5 0	21
16918	72.8595	110.3067	0042861	184.0386	175.9394	15.60537382	197

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16920U	86 64	A	86239.54296050	-	.00004979	34455-4	00000 0 0	1
16920	64.8673	186.0798	0129769	64.0974	297.1899	16.05561798		1
16920U	86 64	A	86239.60527638	.	.00535604	34468-4	22923-3 0	2
16920	64.8684	185.8531	0129067	64.1786	297.2738	16.05620301		2
16920U	86 64	A	86239.85439637	.	.00501690	33968-4	21247-3 0	3
16920	64.8678	184.9353	0128365	64.1445	297.2836	16.05872164		6
16920U	86 64	A	86240.85049558	.	.00507125	33984-4	20685-3 0	4
16920	64.8653	181.2648	0124697	63.6901	297.9170	16.06979228		22
16920U	86 64	A	86241.84582904	.	.00557181	34736-4	21694-3 0	5
16920	64.8647	177.5908	0121245	63.4991	297.8997	16.08121450		38
16920U	86 64	A	86242.15673052	.	.00680604	34363-4	26295-3 0	6
16920	64.8684	176.4407	0120237	63.3839	297.8549	16.08380457		43
16920U	86 64	A	86242.46759982	.	.00393513	34422-4	15328-3 0	7
16920	64.8656	175.2914	0118935	63.2492	297.9601	16.08606857		48

16920U	86 64	A	86242.77844612	.00445493	34548-4	17062-3 0	8
16920	64.8658	174.1424	0118183	63.1141	298.2545	16.08909482	53
16920U	86 64	A	86242.84059473	.00455752	34137-4	17204-3 0	9
16920	64.8645	173.9129	0118572	63.0154	298.2976	16.08974080	54
16920U	86 64	A	86243.39990801	.00464295	33955-4	17103-3 0	10
16920	64.8668	171.8443	0116946	62.7235	298.6344	16.09534391	63
16920U	86 64	A	86243.89689899	.00442413	34598-4	16192-3 0	11
16920	64.8661	170.0033	0115068	62.3886	298.8904	16.09971873	71
16920U	86 64	A	86244.95258166	.00656148	34056-4	24385-3 0	12
16920	64.8575	166.0663	0113140	61.9996	298.9820	16.10155843	88
16920U	86 64	A	86245.57357010	.00447365	34806-4	16633-3 0	13
16920	64.8663	163.7883	0110590	63.4962	297.3900	16.10680512	98
16920U	86 64	A	86245.57357010	.00447365	34806-4	16633-3 0	14
16920	64.8663	163.7883	0110590	63.4962	297.3900	16.10680512	98
16920U	86 64	A	86247.31129724	.00328515	34619-4	11554-3 0	17
16920	64.8647	157.3286	0105508	63.0330	298.1620	16.12249039	126
16920U	86 64	A	86247.49737793	.00253118	34494-4	11554-3 0	18
16920	64.8667	156.6462	0133964	72.0380	285.9801	16.04089150	129
16920U	86 64	A	86249.11836909	.00596108	34324-4	25739-3 0	22
16920	64.8662	150.6885	0128952	71.3905	290.6141	16.05543741	155
16920U	86 64	A	86249.18057083	.00531174	34385-4	22963-3 0	23
16920	64.8655	150.4580	0128694	71.3131	290.1901	16.05593191	156

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16920U	86 64	A	86249.86556653	.00330026	34385-4	14031-3 0	24
16920	64.8645	147.9343	0127415	70.9749	290.2199	16.06074071	167
16920U	86 64	A	86249.99015073	.00352331	34432-4	14884-3 0	25
16920	64.8637	147.4760	0127156	70.9205	290.5875	16.06180642	169
16920U	86 64	A	86250.55045223	.00360050	34006-4	14988-3 0	26
16920	64.8625	145.4109	0125712	70.6701	290.8605	16.06612056	178
16920U	86 64	A	86250.92389307	.00354512	33869-4	14617-3 0	27
16920	64.8629	144.0322	0124878	70.6677	290.7826	16.06875387	184
16920U	86 64	A	86252.54143011	.00406338	34691-4	16029-3 0	29
16920	64.8645	138.0613	0120603	69.7398	291.7363	16.08149521	210
16920U	86 64	A	86252.79015307	.00391399	34494-4	15345-3 0	30
16920	64.8641	137.1427	0119977	69.6825	291.7040	16.08337583	214
16920U	86 64	A	86253.84694108	.00377053	34332-4	14456-3 0	32
16920	64.8616	133.2328	0116920	69.1857	292.1694	16.09165610	231
16920U	86 64	A	86257.50949471	.00595482	34730-4	19219-3 0	38
16920	64.8626	119.6420	0105063	67.3455	293.6931	16.13115561	290

169200	86	64	A	86257.81947122	.00540078	35043-4	17216-3	0	39
16920	64.3621	118.4868	0104134	67.4663	293.6843	16.13423103			295
169200	86	64	A	86258.99671491	.00569232	35232-4	16995-3	0	40
16920	64.8630	114.0998	0100308	67.0357	294.3014	16.14781568			314
169200	86	64	A	86259.92536048	.00079888	33957-4	39908-4	0	42
16920	64.8654	110.6481	0151220	99.8431	250.8250	16.00074143			329
169200	86	64	A	86259.98979946	.00077659	34025-4	39908-4	0	43
16920	64.8578	110.4129	0140736	107.4059	254.9401	16.01938184			330
169200	86	64	A	86260.86353199	.00854151	33736-4	41053-3	0	44
16920	64.8630	107.2101	0137843	107.0543	254.6102	16.02637121			344
169200	86	64	A	86260.86353199	.00854151	33736-4	41053-3	0	45
16920	64.8630	107.2101	0137843	107.0543	254.6102	16.02637121			344
169200	86	64	A	86261.23785836	.00281458	34130-4	13724-3	0	46
16920	64.8622	105.8358	0137071	106.7690	254.4229	16.02763638			350
169200	86	64	A	86261.98656851	.00406198	33839-4	19156-3	0	47
16920	64.8615	103.0914	0135475	106.3765	255.3475	16.03373497			362
169200	86	64	A	86263.60762685	.00383797	33957-4	17427-3	0	49
16920	64.8600	97.1347	0131152	105.4953	256.1342	16.04635359			388
169200	86	64	A	86264.79141277	.00391369	34482-4	17160-3	0	51
16920	64.8594	92.7797	0128191	104.9091	256.6087	16.05582416			407
169200	86064	A	86266.84206287	.00617780	00000-0	00000-0	0	0	0058
16920	064.8555	085.1906	0116344	110.8477	250.5061	16.1291097200426			

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Kosmos 1773

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6920U	86064	A	86269.13397243	.00688850	00000-0	00000-0	0	0061
6920	064.8575	076.6483	0104615	109.2361	252.0031	16.1609525300463		
6920U	86 64	A	86269.87527552	.00739328	34873-4	18983-3	0	65
6920	64.8606	73.8667	0094800	109.9361	251.2344	16.17235179	490	
6920U	86 64	A	86270.61807445	.00715400	34770-4	17603-3	0	66
6920	64.8615	71.0866	0090695	108.9984	252.2920	16.18402935	502	
6920U	86 64	A	86269.75259094	.00726421	35356-4	18900-3	0	64
6920	64.8596	74.3282	0095236	110.0888	251.0590	16.17030912	488	
6920U	86 64	A	86270.74162372	.00603598	35360-4	17220-3	0	67
6920	64.8572	70.6223	0092206	114.1164	246.3878	16.16733092	504	
6920U	86 64	A	86270.86543623	.00601455	35076-4	17220-3	0	68
6920	64.8601	70.1599	0091512	114.0015	247.0717	16.16826201	506	
6920U	86 64	A	86271.85465604	.00718032	35204-4	19088-3	0	70
6920	64.8598	56.4547	0087492	113.1679	247.8625	16.18263969	522	
6920U	86 64	A	86272.90474528	.00784456	35566-4	19088-3	0	71
6920	64.8613	52.5133	0083368	112.7084	248.3129	16.19846361	538	

6920U	86 64	A	86273.89210348	.00765282	35637-4	17509-3 0	73
6920	64.8588		58.7927 0077994	111.2305	249.7092	16.21385951	554
6920U	86 64	A	86273.89210348	.00765282	35637-4	17509-3 0	74
6920	64.8588		58.7927 0077994	111.2305	249.7092	16.21385951	554
6920U	86 64	A	86274.87852051	.00808165	35808-4	16779-3 0	75
6920	64.8673		58.0755 0073953	110.2487	260.8006	16.22993446	570
6920U	86 64	A	86275.06333663	.00230462	33626-4	16779-3 0	76
6920	64.8631		54.3702 0129436	157.4718	200.9711	15.99871769	573
6920U	86 64	A	86275.62626790	.00290673	34018-4	20786-3 0	77
6920	64.8571		52.3240 0129560	167.1278	203.2580	16.00009839	582
920U	86 64	A	86277.87545525	.00304138	34039-4	20784-3 0	81
920	64.8587		44.1001 0124872	155.9338	204.6941	16.01423245	618
920U	86 64	A	86278.87446185	.00295167	34369-4	19886-3 0	82
920	64.8574		40.4409 0122659	155.3248	205.3073	16.02014687	634
920U	86 64	A	86279.81070174	.00318222	33898-4	21217-3 0	83
920	64.8569		37.0116 0119904	154.8822	205.9674	16.02638865	649
16920U	86 64	A	86281.99380415	.00293458	33767-4	18911-3 0	85
16920	64.8571		28.9954 0115082	153.7901	206.7112	16.03948132	684
16920U	86 64	A	86286.91488615	.00306279	34364-4	17741-3 0	90
16920	64.8574		10.8775 0105206	151.1022	209.5802	16.06981368	763

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Kosmos 1773

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16920U	86 64	A	86286.91488615	.00306279	34364-4	17741-3	0	92
16920	64.8574		10.8775 0105206	151.1022	209.5802	16.06981368		763
16920U	86 64	A	86290.83178898	.00374910	34898-4	19490-3	0	97
16920	64.8513		356.3889 0095094	148.9610	211.7331	16.09985916		826
16920U	86 64	A	86291.70124542	.00402172	34528-4	20316-3	0	98
16920	64.8525		353.1677 0093396	148.5930	211.8706	16.10596233		840
16920U	86 64	A	86291.88755404	.00470702	35461-4	20316-3	0	100
16920	64.8571		352.4744 0067500	146.0596	217.9587	16.16609311		843
16920U	86 64	A	86291.88695843	.01474228	35576-4	63027-3	0	101
16920	64.8576		352.4764 0067430	145.9291	214.6210	16.16644819		843

86-65A

Kosmos 1774

16922U	86 65	A	86240.38545904	.000000002	00000-0	99999-4 0	1
16922	62.9256		46.4458 7346802	318.3759	4.4854	2.03602851	2
16922U	86 65	A	86257.30831063	-.00001342	00000-0	99999-4 0	12
16922	63.0544		43.8967 7368659	318.4740	4.5096	2.00440938	36

86-66A

Kosmos 1775

16926U	86 66	A	86246.39106961	-	.00000297	00000-0	00000 0 0	1
16926	70.3638	145.1807	0129081	66.0258	295.4404	15.93230094	1	1
16926U	86066	A	86246.70501156	.	.00000000	00000-0	00000-0 0 0002	
16926	070.3572	144.2787	0129647	065.6467	295.8664	15.9320663300006		
16926U	86 66	A	86246.83057607	-	.00000301	00000-0	00000 0 0	2
16926	70.3511	143.9133	0128879	65.3904	296.0612	15.93217260	8	8
16926U	86 66	A	86247.01893558	-	.00000100	00000-0	00000 0 0	3
16926	70.3781	143.3987	0045017	215.5678	127.7891	15.62376356	11	11
16926U	86 66	A	86247.91824455	-	.00000103	00000-0	00000 0 0	4
16926	70.3636	140.9606	0049108	214.6554	145.1499	15.62314916	25	25
16926U	86 66	A	86248.94269079	.	.00025257	00000-0	26909-3 0	5
16926	70.3644	138.1622	0049681	212.3116	147.4834	15.62307701	41	41
16926U	86 66	A	86249.96712947	.	.00025211	00000-0	26899-3 0	6
16926	70.3649	135.3648	0049284	210.9038	148.8065	15.62294032	57	57

16926U	86 66	A	86252.84845738	.00000791	00000-0	94999-5 0	9
16926	70.3633		127.4958	0049161	205.6200	154.2407 15.62278146	102
16926U	86 66	A	86253.87293113	.00000793	00000-0	94999-5 0	10
16926	70.3635		124.6965	0048877	204.3381	155.5514 15.62276069	118
16926U	86 66	A	86254.89740343	.00000790	00000-0	94999-5 0	11
16926	70.3639		121.8986	0048549	202.2133	157.6686 15.62269807	134
16926U	86 66	A	86257.84278134	.00000012	00000-0	95599-6 0	12
16926	70.3633		113.8560	0048286	197.0413	162.8585 15.62260239	180
16926U	86 66	A	86258.99533548	.00003096	00000-0	34054-4 0	13
16926	70.3643		110.7057	0048283	194.9232	165.0221 15.62257974	198
16926U	86 66	A	86259.89176398	.00105224	00000-0	11095-2 0	14
16926	70.3633		108.2596	0048437	193.2144	166.7277 15.62272189	212

86-67A

Kosmos 1776

16928U	86 67	A	86246.43130186	-	.00000029	00000-0	00000 0 0	1
16928	74.0243	125.3102	0031076	338.4808	21.5082	15.23600878		1
16928U	86 67	A	86256.93747578	.	00007312	00000-0	30315-3 0	14
16928	74.0232	103.1515	0031077	313.2504	46.6119	15.23599662		161

86-68A

Molnija 1-68

169340	1986-058	86248.43562060	-	.00060063	00000-0	99999-4 0	2
16934	62.8633	72.2892	7398351	288.0821	9.3154	1.96005549	1
169340	86 68 A	86254.55781426	.00000098	00000-0	99999-4 0	5	
16934	62.8768	71.3590	7360392	288.1157	25.9624	2.00446636	13

86-69

USA 19

(SDI-test)

16937U	86 69	A	86250.63774662	.01159823	50922-5	28192-2 0	2
16937	39.0665		28.1524 0390567	26.7075	335.3264	15.28976390	29
16938U	86 69	B	86259.53605992	.00233593	26707-6	53876-3 0	16
16938	22.7857		299.3620 0273711	179.7721	180.2879	15.54461503	168
16940U	86 69	C	86253.38593527	.00880097	55967-5	15549-2 0	2
16940	38.7867		9.5174 0203316	73.7604	288.7740	15.73167689	73
16941U	86 69	D	86253.68494968	.00104156	27828-5	46701-3 0	2
16941	39.1942		15.2536 0958091	62.9987	306.5313	13.94586646	71
16942U	86 69	E	86253.22063161	.00940662	69060-5	40087-2 0	3
16942	37.8773		23.6455 2112218	33.5375	338.3419	11.41887725	9
16943U	86 69	F	86252.43211219	.00397666	39720-5	13747-2 0	1
16943	39.3990		18.9179 0547400	53.1032	311.8650	14.89649592	0

16944U	86 69	G	86252.38285108	.00555477	42907-5	19175-2 0	1
16944	40.0080		20.0130 0577269	44.6568 318.9462	14.83013770	2970	
16945U	86 69	H	86251.66713872	.00564961	19713-5	30587-2 0	1
16945	39.4591		27.4269 1377553	33.4036	334.6237	12.99148612	0
16946U	86 69	J	86248.80917084	.00000954	00000-0	18677-5 0	1
16946	23.0292		19.5933 0916160	36.9839 329.0490	14.03646785		2
16947U	86 69	K	86252.42737270	.00002631	00000-0	24284-5 0	1
16947	22.6886		350.6254 0097251	84.9977	276.2751	15.95299013	59
16948U	86 69	L	86251.46420238	.00152712	-17197-4	22628-3 0	1
16948	22.6756		358.2957 0206213	73.5180 288.7948	15.74289525		45
16949U	86 69	M	86252.45756012	.00366854	21613-4	77257-3 0	1
16949	22.9940		352.2607 0251616	98.6339	271.2441	15.60450770	58
16950U	86 69	N	86251.69422345	.02258808	16192-4	19266-2 0	1
16950	37.1230		19.0134 0282456	18.6480 18.4929	15.65089066		47

86-70A

Kosmos 1777

169520	86	70	A	86253.13007534	-.00000012	00000-0	00000	0	0	1
16952	74.0150	23.0777	0031240	324.0871	26.2626	14.29921009				1
169520	86	70	A	86253.20175537	-.00000012	00000-0	00000	0	0	2
16952	74.0090	22.9490	0024388	339.3867	20.3906	14.29120029				2

86-714

Kosmos 1778-1780

~~16961U 86 71 A 86265.12828246 .00000020 00000-0 99999-4 0 3~~
16961 64.7983 204.5241 0001594 236.2162 123.7777 2.13005556 8

86-72A

Kosmos 1781

Ned: Tokt86

16966U	86 72	A	86260.39112326	-	.00000300	00000-0	00000	0 0	1
16966	70.3806		158.9850	0131950	67.3795	294.3056	15.92991397		1
16966U	86072	A	86260.70514858		.00000000	00000-0	00000-0	0 0002	
16966	070.3550		158.0658	0132208	064.9711	296.5608	15.9263575300006		
16966U	86 72	A	86260.70514857	-	.00000299	00000-0	00000	0 0	3
16966	70.3550		158.0658	0132208	64.9711	296.5608	15.92635752		6
16966U	86 72	A	86261.08199524	-	.00000104	00000-0	00000	0 0	4
16966	70.3637		157.0547	0052255	213.8474	122.9358	15.62352263		12
16966U	86 72	A	86261.98249370		.00005613	00000-0	60753-4	0	7
16966	70.3612		154.5690	0047907	215.8060	143.9896	15.62303000		26
16966U	86 72	A	86264.86379491		.00005598	00000-0	60753-4	0	10
16966	70.3628		146.7027	0047121	210.5695	149.1763	15.62288418		71
16966U	86 72	A	86266.01636435		.00005595	00000-0	60753-4	0	12
16966	70.3629		143.5530	0047406	209.2164	150.5902	15.62263758		89

6966U	86 72	A	86269.85827978	.00007138	00000-0	77486-4 0	17
6966	70.3613	133.0604	0046762	202.2688	157.6202	15.62198538	149
6966U	86 72	A	86270.88280348	.00019282	00000-0	20833-3 0	18
6966	70.3619	130.2637	0046925	200.3465	159.5480	15.62200030	165
6966U	86 72	A	86270.88280348	.00019282	00000-0	20833-3 0	19
6966	70.3619	130.2637	0046925	200.3465	159.5480	15.62200030	165
6966U	86 72	A	86271.90734171	.00019269	00000-0	20833-3 0	20
6966	70.3624	127.4659	0046771	199.2002	160.7409	15.62193648	181
6966U	86 72	A	86272.99588794	.00015622	00000-0	16947-3 0	21
6966	70.3605	124.4899	0046828	197.0201	162.7746	15.62181958	198
6966U	86 72	A	86273.95643491	.00027396	00000-0	29168-3 0	23
6966	70.3602	121.8896	0051965	194.0060	160.0272	15.62159120	213

86-734

NOAA 10

16969U	86 73	A	86260.84699320	-.00000020	00000-0	00000	0 0	1
16969	98.7509		288.8466	0013038	277.0444	82.9227	14.22590732	2
16969U	86 73	A	86261.40966530	-.00000019	00000-0	00000	0 0	2
16969	98.7498		289.4101	0012749	273.7777	85.9107	14.22475423	10
16969U	86 73	A	86270.62425534	-.00000020	00000-0	00000	0 0	5
16969	98.7491		298.5575	0012890	244.9455	115.0384	14.22469859	141
16969U	86 73	A	86277.65325086	-.00000019	00000-0	00000	0 0	7
16969	98.7490		305.5400	0013143	223.8846	136.1286	14.22470267	241

86-74A

Kosmos 1782

6986U	86	74	A	85273.83101316	.00000011	00000-0	00000	0	0	1
6986	82.5316	314.5069	0019285	286.8667	73.1432	14.73661647				1
986U	86	74	A	86275.86830315	.00000972	00000-0	14624-3	0		8
986	82.5169	312.6293	0019636	275.1282	84.7685	14.73426555				31

86-75A

Kosmos 1783

9930	86	75	A	86275.84495471	.00000037	00000-0	99999-4	0	1
993	62.7515	158.3370	5825421	317.1402	10.0453	4.02079203			2
9930	86	75	A	86277.34028358	.00000037	00000-0	99999-4	0	3
993	62.7087	158.2205	5817326	317.0865	9.9987	4.03170269			4
9930	86	75	A	86277.59100815	.00000037	00000-0	99999-4	0	4
993	62.7581	158.0902	5824449	317.1581	9.9500	4.02079633			5

86-76A

Kina 19

Signalerna: 180.0
393.7 MHz
480.0

Upp: 6 okt 86
Ned: 11 okt 86

001U	86 76	A	86279.27849280	-	.00007352	50873-4	00000 0 0	1
001	56.9552		56.0912	0159330	140.1503	221.2178	15.98319763	1
001U	86 76	A	86279.34102193	-	.00007369	51043-4	00000 0 0	3
001	56.9554		54.7989	0159330	140.2801	221.0466	15.98430722	2
001U	86 76	A	86279.40355337	-	.00007399	51286-4	00000 0 0	4
001	56.9590		54.5059	0154970	140.2711	221.0341	15.98625105	3
001U	86 76	A	86279.59124982	-	.00150137	51247-4	70025-4 0	5
001	56.9606		53.6240	0161565	140.3566	221.0270	15.98263984	6
001U	86 76	A	86279.77886626	.	.00284029	50775-4	13295-3 0	6
001	56.9605		52.7475	0159644	141.2438	220.0818	15.98407057	9
001U	86 76	A	86279.84139422	-	.00302301	50748-4	14090-3 0	7
001	56.9601		52.4566	0159589	141.3044	219.9542	15.98445758	10
17001U	86 76	A	86282.02926213	-	.00302017	51390-4	13692-3 0	11
17001	56.9583		42.2098	0154422	145.7318	215.2294	15.99796266	45

17001U			86282.90391595	0.00298417	51205-4	13206-3 0	12
17001	56.9594		38.1086 0153006	147.6121	213.4403	16.00331473	59
17001U			86283.96558501	0.00316610	51321-4	14061-3 0	13
17001	56.9583		33.1236 0149321	149.5550	211.6126	16.01044989	76
17001U	86 76	A	86284.52741256	.00947577	51174-4	42762-3 0	14
17001	56.9545		30.4849 0145515	149.3115	211.4518	16.01491379	85
17001U	86 76	A	86284.58986430	.00884943	51251-4	39997-3 0	15
17001	56.9551		30.1924 0145055	149.5355	211.4247	16.01596114	86
17001U	86 76	A	86287.70528731	.01339136	52069-4	50429-3 0	14
17001	56.9534		15.4909 0124319	155.4261	205.4315	16.07570060	136
17001U	86 76	A	86287.70528731	.01339136	52069-4	50429-3 0	15
17001	56.9534		15.4909 0124319	155.4261	205.4315	16.07570060	136
17001U	86 76	A	86289.19603530	.01083920	52246-4	36540-3 0	19
17001	56.9489		8.4067 0112095	158.4434	202.3251	16.11073790	160
17001U	86 76	A	86290.31196125	.01496769	52648-4	44699-3 0	20
17001	56.9474		3.0736 0103979	160.7670	200.0520	16.13794557	178
17001U	86 76	A	86290.31196125	.01496769	52648-4	44699-3 0	21
17001	56.9474		3.0736 0103979	160.7670	200.0520	16.13794557	178
17001U	86 76	A	86291.17839860	.01551412	52914-4	43168-3 0	22
17001	56.9465		358.9257 0095857	162.6186	197.2209	16.16009577	192

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17001U	86 76	A	86291.54951319	.01469176	53017-4	38816-3	0	23
17001	56.9512	357.1446	0092688	163.4710	106.8858	16.17096288		198
17001U	86 76	A	86292.41426135	.01639970	53336-4	38029-3	0	24
17001	56.9463	352.9832	0084678	165.4331	194.9481	16.19787772		212
17001U	86 76	A	86293.15425688	.02032737	53681-4	41063-3	0	25
17001	56.9458	349.4030	0074986	166.9365	194.1076	16.22782932		224
17001U	86 76	A	86292.41426135	.01639970	53336-4	38029-3	0	26
17001	56.9463	352.9832	0084678	165.4331	194.9481	16.19787772		212
17001U	86 76	A	86293.64697216	.02305351	54110-4	40865-3	0	27
17001	56.9445	347.0112	0068786	168.4841	194.0344	16.25032781		232
17001U	86076	A	86294.44526551	.02840085	00000-0	00000-0	0	0029
17001	056.9441	343.1185	0060713	172.7011	187.5829	16.2935552900245		
17001U	86076	A	86294.62923354	.03138414	00000-0	00000-0	0	0031
17001	056.9344	342.2153	0054556	174.0995	186.1603	16.3064919000248		
17001U	86 76	A	86295.11919012	.04145093	55257-4	32229-3	0	32
17001	56.9418	339.8092	0043494	173.0475	187.6276	16.34424658		256
17001U	86 76	A	86295.36359403	.05370320	55491-4	29363-3	0	33
17001	56.9397	338.5976	0038277	174.0135	186.3457	16.36982390		260

17001U	86	76	A	86295.60762285	.06948830	55827-4	26102-3	0	34
17001	56.9387	337.3912	0030987	176.8893	183.3627	16.40072433			264
17001U	86	76	A	86295.66853617	.06987502	56233-4	23931-3	0	35
17001	56.9372	337.0824	0028584	177.6728	182.4476	16.40934928			265
17001U	86	76	A	86295.85114777	.08968268	56513-4	19501-3	0	36
170#1	56.9364	336.1793	0022881	177.9233	182.3936	16.44213317			268
17001U	86	76	A	86295.97262643	.09265165	56326-4	14273-3	0	37
17001	56.9362	335.5706	0020634	178.2835	181.8662	16.46500558			270
17001U	86	76	A	86296.09396165	.19368067	57208-4	13665-3	0	38
17001	56.9391	334.9595	0013310	186.0561	175.2150	16.52347953			272

17003U	86 77	A	86286.87420621	.00078355	00000-0	51824-4	0	12
17003	64.7498	136.9855	0042344	59.6341	300.9067	16.14552585		122
17003U	86 77	A	86286.87420621	.00078355	00000-0	51824-4	0	14
17003	64.7498	136.9855	0042344	59.6341	300.9067	16.14552585		122
17003U	86 77	A	86288.79398249	.03672851	12347-4	22073-2	0	16
17003	64.7538	129.7969	0042858	48.5197	311.6935	16.15662494		153
17003U	86 77	A	86289.10436395	.03058132	10812-4	22073-2	0	19
17003	64.7410	128.6434	0047372	103.4304	257.0951	16.12770648		158
17003U	86 77	A	86289.10436395	.03058132	10812-4	22073-2	0	19
17003	64.7410	128.6434	0047372	103.4304	257.0951	16.12770648		158
17003U	86 77	A	86289.22837217	.03048876	11200-4	22073-2	0	20
17003	64.7477	128.1738	0050969	99.7361	260.6199	16.12327348		160
17003U	86 77	A	86289.41444069	.00106831	00000-0	76488-4	0	21
17003	64.7491	127.4780	0050271	99.3935	261.0646	16.12616724		163
17003U	86 77	A	86289.91058585	.00017825	00000-0	13056-4	0	22
17003	64.7502	125.6253	0050064	99.6940	260.9353	16.12695967		171
17003U	86 77	A	86290.84076942	.00017749	00000-0	13056-4	0	23
17003	64.7467	122.1484	0049078	103.3093	257.4908	16.12750180		186
17003U	86 77	A	86290.96476636	.00194711	11081-4	13871-3	0	24
17003	64.7479	121.6865	0049527	98.3805	262.3766	16.12887333		188
17003U	86 77	A	86292.88672767	.00091906	00000-0	63667-4	0	28
17003	64.7472	114.5038	0048641	97.3573	263.3256	16.13252226		219

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7003U	86 77	A	86295.86182724	.00114186	00000-0	76285-4 0	31
7003	64.7457	103.3764	0047502	95.2822	265.4248	16.13841091	267
7003U	86 77	A	86296.85324073	.00109625	00000-0	72258-4 0	32
7003	64.7464	99.6684	0047198	94.6479	265.9710	16.14055010	283
7003U	86 77	A	86297.84454032	.00112704	00000-0	73352-4 0	33
7003	64.7473	95.9585	0046637	93.8707	266.7940	16.14280707	299
7003U	86 77	A	86298.89763305	.00113168	00000-0	72644-4 0	34
7003	64.7480	92.0176	0046104	92.9722	267.6716	16.14520630	316
7003U	86 77	A	86299.88863844	.00123079	00000-0	77768-4 0	35
7003	64.7481	88.3056	0045630	92.0151	268.6694	16.14771292	332
7003U	86 77	A	86300.81754548	.00158811	90322-5	13565-3 0	36
7003	64.7487	84.8286	0042773	111.9199	247.4303	16.11141984	347
7003U	86 77	A	86300.94189878	.00185547	10440-4	13565-3 0	37
7003	64.7473	84.3620	0043625	123.7477	237.7018	16.13180577	349
7003U	86 77	A	86301.93352397	.00137630	00000-0	97819-4 0	38
7003	64.7470	80.6570	0043244	122.3412	238.0104	16.13457046	365

17003U	86 77	A	86302.92519956	.00124365	00000-0	87858-4 0	381
17003	64.7474		76.9456	0042108	121.2027	239.1705	16.13657703
17003U	86 77	A	86303.04917613	.00229569	10556-4	16296-3 0	40
17003	64.7466		76.4799	0042039	121.1396	239.3899	16.13699952
17003U	86 77	A	86303.85474014	.00160580	10731-4	11280-3 0	41
17003	64.7456		73.4688	0041568	120.7390	239.6082	16.13957742
17003U	86 77	A	86303.85477119	.00160873	10836-4	11296-3 0	42
17003	64.7480		73.4670	0041622	120.8250	239.7069	16.13959592
17003U	86 77	A	86306.95211144	.00143444	00000-0	94062-4 0	45
17003	64.7461		61.8740	0040150	119.1071	241.3313	16.14838011
17003U	86 77	A	86307.88099834	.00132728	00000-0	86068-4 0	46
17003	64.7481		58.3888	0039642	117.9161	242.3989	16.15040071
17003U	86 77	A	86307.94295548	.00136799	00000-0	88335-4 0	47
17003	64.7468		58.1598	0039721	118.4417	242.1254	16.15086163
17003U	86 77	A	86309.11931839	.00231007	11393-4	14708-3 0	48
17003	64.7473		53.7467	0038368	116.6772	243.7762	16.15507974
17003U	86 77	A	86309.42883588	.00206519	11551-4	13080-3 0	49
17003	64.7466		52.5819	0038322	116.2506	244.2263	16.15601278
17003U	86 77	A	86309.55264136	.00175719	10286-4	13080-3 0	50
17003	64.7493		52.1224	0042874	130.0224	229.6316	16.13022193
17003U	86 77	A	86309.92476911	.00129647	00000-0	94840-4 0	51
17003	64.7476		50.7322	0042680	129.7418	230.7385	16.13127085

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03U	86	77	A	86310.91662307	.00112196	00000-0	80929-4	0	52
03	64.7469	47.0258	0042479	129.2492	231.1683	16.13346665			510
03U	86	77	A	86312.96193788	.00105742	00000-0	74302-4	0	54
03	64.7460	39.3778	0041695	127.5587	232.9070	16.13781923			543
17003U	86	77	A	86313.89144432	.00079244	00000-0	55347-4	0	55
17003	64.7475	35.8994	0041024	126.8154	233.6257	16.13953600			558
17003U	86	77	A	86314.88282813	.00093619	00000-0	64665-4	0	56
17003	64.7472	32.1900	0040442	125.9795	234.5739	16.14143966			574
17003U	86	77	A	86315.81211695	.00046116	00000-0	31739-4	0	57
17003	64.7472	28.7116	0039907	124.7900	235.7287	16.14328844			589

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17031U		86294.89144715	-	.00001057					0	39	7
17031	63.0714	114.8083	7371664	319.6420		3.9193		2.00570539			14

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17038U	86	79	A	86293.90696423	.00000078	00000-0	99999-4	0	3
17038	62.8397	110.5745	7324504	288.2340	9.7229	2.04951676			2

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Kosmos 1786

17042U	86 80	A	86295.32749103	.00028918	16309-4	99999-4 0	1
17042	64.8892		186.3607 1529822	66.0251	309.3169	12.71153288	0
17042U	86 80	A	86295.64214717	.00029682	15642-4	99999-4 0	2
17042	64.8797		185.6826 1530990	65.7674	309.2950	12.71103757	4
17042U	86 80	A	86296.58622849	.00116257	15691-4	36573-3 0	4
17042	64.8771		183.5748 1530631	65.6017	309.6622	12.71310405	16
17042U	86 80	A	86333.91174734	.00111814	15659-4	32036-3 0	27
17042	64.8802		99.5777 1499361	55.6052	317.4481	12.79087788	492
17042U	86 80	A	86354.80252632	.00092921	16188-4	25169-3 0	31
17042	64.8840		29.3175 1474897	47.2521	324.3490	12.85058195	888
17042U	86 80	A	86356.15848885	.00097517	16060-4	26395-3 0	30
17042	64.8876		49.0461 1483035	49.5913	322.5455	12.83247747	777

170420 86 80 A 87 07.24601968 .00143450 16900-4 31985-3 0 41
17042 64.8700 233.2162 1405942 28.6793 338.4684 13.02046997 1760

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17044U	86 81	A	86295.43183663	-	.00000311	00000-0	00000	0	0	1
17044	69.9839	207.8860	0038793	60.1820	299.8773	16.12901306				1
17044U	86 81	A	86295.49393310	-	.00000333	00000-0	00000	0	0	2
17044	69.9869	207.6901	0044405	70.8300	289.9517	16.13751084				2
17044U	86 81	A	86295.86582300	-	.00000338	00000-0	00000	0	0	3
17044	69.9831	206.5716	0043351	71.3187	289.3058	16.13806715				8
17044U	86 81	A	86295.86582300	-	.00000338	00000-0	00000	0	0	4
17044	69.9831	206.5716	0043351	71.3187	289.3058	16.13806715				8
17044U	86 81	A	8#295.98978668	-	.00000323	00000-0	00000	0	0	5
17044	69.9862	206.1728	0050752	62.2429	297.3264	16.11512322				10
17044U	86 81	A	86296.11411615	-	.00000252	00000-0	00000	0	0	6
17044	69.9892	205.8381	0038304	83.1646	275.9547	16.06848932				12

17044U	86	81	A	86296.92365394	.00176461	17879-4	20719-3	0	7
17044	69.9856	203.4300	0038376	79.8681	280.6527	16.06893713			25
17044U	86	81	A	86297.79509206	.00067589	00000-0	-79234-4	0	8
17044	69.9841	200.8413	0038504	78.2358	281.8788	16.06904151			39
17044U	86	81	A	86297.85741891	.00027531	00000-0	32158-4	0	9
17044	69.9873	200.6564	0038368	77.8274	282.7318	16.06936296			40
17044U	86	81	A	86298.47990682	.00013999	00000-0	16492-4	0	10
17044	69.9850	198.8078	0038225	76.4042	284.2004	16.06984249			50
17044U	86	81	A	86298.91562933	.00022945	00000-0	26754-4	0	11
17044	69.9837	197.5116	0038183	75.6412	284.9406	16.07017953			57
17044U	86	81	A	86299.91155150	.00042501	00000-0	48792-4	0	12
17044	69.9856	194.5553	0038252	74.0035	286.6839	16.07121016			73
17044U	86	81	A	86300.96961814	.00049953	00000-0	56824-4	0	13
17044	69.9869	191.4116	0038146	72.1076	288.5125	16.07236778			90
17044U	86	81	A	86301.09407981	.00053630	00000-0	60836-4	0	14
17044	69.9860	191.0426	0038220	71.9471	288.6202	16.07259542			92
17044U	86	81	A	86301.90313466	.00061099	00000-0	68772-4	0	15
17044	69.9896	188.6371	0038029	70.4132	290.1609	16.07366279			105
17044U	86	81	A	86302.58767186	.00035995	00000-0	40606-4	0	16
17044	69.9908	186.6023	0038126	68.8663	291.6629	16.07433332			116
17044U	86	81	A	86302.89882128	.00035989	00000-0	40565-4	0	17
17044	69.9901	185.6766	0037999	68.6841	291.8418	16.07454585			121

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17044U	86 81	A	86303.02328007	.00025183	00000-0	40566-4 0	18
17044	69.9928		185.3113 0081011	75.3238	283.4146	15.97158691	123
17044U	86 81	A	86303.96311981	.00026015	00000-0	42169-4 0	19
17044	69.9899		182.5583 0080328	73.1436	287.6642	15.97145898	138
17044U	86 81	A	86306.78130174	.00003082	00000-0	53463-5 0	22
17044	69.9856		174.3036 0079658	67.7603	292.9440	15.97331732	183
17044U	86 81	A	86306.96921773	.00034901	00000-0	55802-4 0	23
17044	69.9881		173.7554 0079845	67.9716	293.0246	15.97369722	186
17044U	86 81	A	86307.90852570	.00032543	00000-0	51879-4 0	24
17044	69.9878		171.0039 0079869	65.9911	294.9332	15.97426276	201

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17046U	86	82	A	86298.65147548	-.00000025	00000-0	99999-4	0	1
17046	0.1520	248.6146	0001000	210.3146	260.6633	0.97247081			0
17046U	86	82	A	86301.50306988	-.00000003	00000-0	99999-4	0	4
17046	1.3653	278.0924	0047649	249.8300	110.6549	0.98170699			3
17046U	86	82	A	86305.53882638	.00000172	00000-0	99999-4	0	10
17046	1.2803	279.6600	0011045	330.4957	29.1924	1.00211616			7
17046U	86	82	A	86306.53607142	.00000168	00000-0	99999-4	0	11
17046	1.2352	275.0586	0006586	330.4145	33.7655	1.00266272			8
17047U	86	82	B	86299.38281503	.01656214	58915-4	31201-3	0	6
17047	51.6116	274.9079	0006400	190.1584	169.9540	16.31258539			12

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17050U	86 83	A	86300.58231681	-	.00000104	00000-0	00000 0 0	1
17050	65.8277	206.8386	0039359	338.6342	21.0835	15.25545829		1
17050U	86 83	A	86300.64791675	-	.00000103	00000-0	00000 0 0	2
17050	65.8353	206.6373	0035375	338.6261	20.9239	15.24456290		2
17050U	86 83	A	86300.84480641	-	.00000103	00000-0	00000 0 0	3
17050	65.8352	206.0172	0035060	337.3083	22.6503	15.24433186		5
17050U	86 83	A	86301.17283452	.	.00012797	00000-0	51671-3 0	4
17050	65.8379	204.9870	0035195	337.3620	22.6370	15.24471323		10
17050U	86 83	A	86303.73139827	.	.00001668	00000-0	70438-4 0	9
17050	65.8375	196.9467	0035338	336.0282	23.9209	15.24467118		49

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7054U	86 84	A	86304.38777585	.00000795	-54104-5	00000	0 0	1
7054	82.5684	186.4713	0071120	85.2346	275.3308	16.16515189		1
7054U	86 84	A	86304.44974465	.00000814	-56509-5	00000	0 0	2
7054	82.5163	186.3685	0074829	90.6893	269.4080	16.15620849		2
7054U	86 84	A	86304.63571325	.00011480	-55662-5	48331-5	0	3
7054	82.5796	186.1552	0079573	86.2305	274.0328	16.14459237		5
7054U	86 84	A	86306.90926337	.00011409	00000-0	62520-4	0	7
7054	82.5811	183.6940	0014736	214.9695	145.0728	15.79472849		41
7054U	86 84	A	86307.92293315	.00011415	00000-0	62520-4	0	8
7054	82.5751	182.6070	0014872	211.2361	148.7573	15.79478691		57
7054U	86 84	A	86309.06331672	.00011422	00000-0	62520-4	0	9
7054	82.5797	181.3787	0014803	207.2538	152.7622	15.79493878		75
7054U	86 84	A	86309.06331672	.00011422	00000-0	62520-4	0	10
7054	82.5797	181.3787	0014803	207.2538	152.7622	15.79493878		75

17054U	86 84	A	86310.01362679	.00082331	00000-0	44791-3 0	11
17054	82.5794	180.3591	0014754	203.9059	156.1278	15.79537035	90
17054U	86 84	A	86312.99124486	.00001662	00000-0	89198-5 0	14
17054	82.5788	177.1554	0015359	190.7125	169.3755	15.79515536	137
17054U	86 84	A	86313.87319091	.00001662	00000-0	89198-5 0	15
17054	82.5788	176.2013	0015359	187.3271	172.7774	15.79518411	151
17054U	86 84	A	86314.89184032	.00001439	00000-0	76949-5 0	16
17054	82.5787	175.1127	0015546	183.1648	176.9481	15.79520458	167
17054U	86 84	A	86315.90548966	.00000210	00000-0	95600-6 0	17
17054	82.5795	174.0232	0015528	179.3824	180.7601	15.79523687	183
17054U	86 84	A	86316.85578136	.00000211	00000-0	95600-6 0	18
17054	82.5795	173.0010	0015528	175.7526	184.3876	15.79524018	198
17054U	86 84	A	86317.67936939	.00000211	00000-0	95600-6 0	19
17054	82.5781	172.1156	0015387	173.1093	186.9904	15.79489858	211

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17056U	86 85	A	86308.85718857	-.00001724	11968-4	00000 0 0	3
17056	72.8602	224.9200	0070463	92.3912	268.5211	16.11814168	6
17056U	86 85	A	86309.04339385	-.00000153	00000-0	00000 0 0	4
17056	72.8708	224.4406	0044551	84.4069	276.2884	16.05872530	9
17056U	86 85	A	86309.16794710	-.00000158	00000-0	00000 0 0	5
17056	72.8654	224.1246	0040676	80.2553	280.3266	16.07180464	11
17056U	86 85	A	86309.35468887	.00985521	54280-3	11168-2 0	6
17056	72.8660	223.6414	0042270	76.9119	283.5878	16.07204731	14
17056U	86 85	A	86309.60365053	.00982592	54066-3	11168-2 0	7
17056	72.8688	223.0087	0041142	76.6766	283.5769	16.07262197	18
17056U	86 85	A	86309.97716509	.00123674	93142-5	14111-3 0	8
17056	72.8622	222.0530	0041059	78.0671	282.2927	16.07153936	24
6U	86 85	A	86310.84861938	.00047866	00000-0	53855-4 0	9
6	72.8645	219.8250	0040837	75.6648	284.6656	16.07223070	38

6U	86	85	A	86311.03539750	.00083167	00000-0	92831-4	0	10
6	72.8666	219.3471	0040589	75.2942	285.2741	16.07257794			41
6U	86	85	A	86312.15578229	.00110786	80132-5	12530-3	0	12
6	72.8626	216.4822	0040560	72.6413	287.9525	16.07342358			59
6U	86	85	A	86312.96486350	.00302659	44904-4	33874-3	0	13
6	72.8631	214.4119	0040707	69.7169	290.5896	16.07429177			72
6U	86	85	A	86313.46276003	.00013201	00000-0	14931-4	0	14
6	72.8618	213.1364	0040281	68.6415	291.5970	16.07407421			80
17056U	86	85	A	86314.89424563	.00036297	00000-0	40275-4	0	16
17056	72.8608	209.4758	0040334	65.3557	295.2018	16.07520338			103
17056U	86	85	A	86315.88996449	.00035978	00000-0	39825-4	0	17
17056	72.8616	206.9274	0040011	62.3836	298.1263	16.07587225			119
17056U	86	85	A	86316.88564794	.00036594	00000-0	40283-4	0	18
17056	72.8615	204.3780	0039967	60.1165	300.4602	16.07671184			135
17056U	86	85	A	86317.94349104	.00041084	00000-0	44882-4	0	19
17056	72.8621	201.6710	0040013	57.3768	303.1811	16.07764514			152
17056U	86	85	A	86318.06793118	.00033079	00000-0	44882-4	0	20
17056	72.8642	201.3566	0063736	59.3984	298.6088	16.02021899			154
17056U	86	85	A	86318.31819521	.00035436	00000-0	48451-4	0	21
17056	72.8632	200.7183	0065613	58.0496	302.3965	16.01688675			158

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Kormos 1790

forts. 1

17056U	86	85	A	86318.94286204	.00024094	00000-0	33039-4	0	22
17056	72.8634	199.1354	0065211	56.7887	304.0585	16.01724777	168		
17056U	86	85	A	86320.06707607	.00039218	00000-0	39224-4	0	24
17056	72.8653	196.2771	0037117	70.0947	293.8651	16.09335424	186		
17056U	86	85	A	86320.93673112	.00037179	00000-0	37077-4	0	27
17056	72.8644	194.0453	0036861	67.2392	293.1304	16.09406444	200		
17056U	86	85	A	86321.18539885	.00037263	00000-0	37077-4	0	28
17056	72.8637	193.4093	0036731	66.9292	293.6190	16.09450741	204		
17056U	86	85	A	86321.93129237	.00037342	00000-0	37077-4	0	30
17056	72.8627	191.4948	0036623	65.1773	295.2904	16.09492424	216		
17056U	86	85	A	86321.93129237	.00037342	00000-0	37077-4	0	31
17056	72.8627	191.4948	0036623	65.1773	295.2904	16.09492424	216		

86-86A

Kormos 1791

17066U	86	86	A	86322.26645545	.00000006	00000-0	00000	0	0	6
17066	82.9472	169.1253	0040239	276.5858	83.0713	13.74437720				69
17066U	86	86	A	86329.91025952	.00000006	00000-0	00000	0	0	10
17066	82.9478	163.4659	0039428	255.0351	104.6436	13.74438676				174

86-87A

Kosmos 1792

LSP: 13 nov

17068U	86 87	A	86317.88849995	-	.00004993	34478-4	00000 0 0	3
17068	64.8999	251.6290	0121903	65.4487	296.0569	16.07377717		7
17068U	86 87	A	86318.26178572	.00397969	34587-4	16337-3 0		4
17068	64.9021	250.2552	0120717	65.4077	296.2380	16.07727574		13
17068U	86 87	A	86318.94588108	.00378198	34482-4	15111-3 0		5
17068	64.8999	247.7286	0119618	65.2519	296.0967	16.08222385		24
17068U	86 87	A	86319.94060510	.00380701	34276-4	14759-3 0		6
17068	64.9003	244.0578	0117169	64.8119	296.5766	16.09004152		40
17068U	86 87	A	86320.93483259	.00496638	34396-4	18225-3 0		7
17068	64.9005	240.3798	0114970	64.9625	296.7322	16.09952820		56
17068U	86 87	A	86321.99042410	.00521539	34999-4	18225-3 0		8
17068	64.9007	236.4751	0112011	64.1305	297.0779	16.11009442		73
17068U	86 87	A	86321.99042410	.00521539	34999-4	18225-3 0		9
17068	64.9007	236.4751	0112011	64.1305	297.0779	16.11009442		73

17068U	86 87	A	86322.92130963	.00449347	34832-4	15174-3	0	10
17068	64.9012	233.0259	0109609	64.2944	296.5772	16.11825644		88
17068U	86 87	A	86323.04546125	.00465636	34459-4	15614-3	0	11
17068	64.9015	232.5669	0109245	64.0956	297.1659	16.11960420		90
17068U	86 87	A	86324.03782046	.00468141	34411-4	14978-3	0	12
17068	64.9005	228.8811	0106731	63.7028	297.5220	16.12902459		106
17068U	86 87	A	86324.84368498	.00487944	34838-4	14880-3	0	13
17068	64.8989	225.8835	0104884	63.9487	297.3584	16.13718927		119
17068U	86 87	A	86324.84368498	.00487944	34838-4	14880-3	0	14
17068	64.8989	225.8835	0104884	63.9487	297.3584	16.13718927		119
17068U	86 87	A	86325.15350128	.00337442	34258-4	14880-3	0	15
17068	64.9006	224.7440	0132737	77.1177	276.3834	16.04639269		124
17068U	86 87	A	86325.96497118	.00366150	33993-4	15728-3	0	17
17068	64.8982	221.7617	0131323	76.5460	284.9329	16.05175797		137
17068U	86 87	A	86326.83705300	.00329575	33705-4	13990-3	0	18
17068	64.8974	218.5570	0129168	76.2522	285.1326	16.05740088		151
17068U	86 87	A	86327.89562605	.00343849	34592-4	14045-3	0	19
17068	64.8973	214.6600	0127325	76.0745	285.5645	16.06491754		168
17068U	86 87	A	86328.39356848	.00493909	33871-4	19378-3	0	20
17068	64.8979	212.8252	0126552	75.8908	285.8136	16.07003709		176
17068U	86 87	A	86328.95352684	.00489236	34033-4	18869-3	0	21
17068	64.9009	210.7615	0124616	75.6860	285.8125	16.07560974		185

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Kosmos 1792

forts. 1

17068U	86 87	A	86329.94848828	.00573027	34639-4	20987-3	0	23
17068	64.9005	207.0871	0120928	75.0159	286.4469	16.08790454		201
17068U	86 87	A	86330.25926578	.00477313	34661-4	17000-3	0	24
17068	64.8989	205.9424	0120226	75.7618	285.8363	16.09220207		206
17068U	86 87	A	86330.94270903	.00631309	34252-4	21418-3	0	25
17068	64.8999	203.4132	0118197	75.3626	286.3028	16.10069934		217
17068U	86 87	A	86331.62573005	.00503830	34189-4	16666-3	0	26
17068	64.8965	200.8873	0116148	74.8336	286.2762	16.10737760		228
17068U	86 87	A	86331.87411117	.00511474	34957-4	16760-3	0	27
17068	64.8987	199.9542	0115287	75.0869	286.3157	16.10998794		232
17068U	86 87	A	86332.92907202	.00506394	34612-4	15582-3	0	28
17068	64.8967	196.0535	0112759	74.7179	286.6994	16.12098171		249
17068U	86 87	A	86333.85931732	.00547714	35155-4	16133-3	0	29
17068	64.8955	192.5956	0109549	74.4270	287.0789	16.13135446		264
17068U	86 87	A	86333.98327145	.00366372	34370-4	16133-3	0	30
17068	64.8975	192.1446	0120447	86.2425	272.8163	16.07069903		266
17068U	86 87	A	86334.60589786	.00476588	34312-4	20712-3	0	31
17068	64.8948	189.8471	0119045	85.9703	275.2213	16.07446949		276

17068U	86 87	A	86335.04139414	.00426460	34046-4	18145-3 0	32
17068	64.8944		188.2407 0118389	85.6777	275.7196	16.07805205	283
17068U	86 87	A	86336.09852348	.00450069	34690-4	18145-3 0	33
17068	64.8947		184.3358 0116103	85.4961	276.1607	16.08796453	300
17068U	86 87	A	86338.95586009	.00430261	35074-4	15281-3 0	39
17068	64.8945		173.7640 0110160	84.5066	276.9434	16.11226968	346
17068U	86 87	A	86339.70052396	.00455171	35063-4	15626-3 0	40
17068	64.8949		171.0025 0108213	84.2170	277.2394	16.11931770	358
17068U	86 87	A	86339.94865512	.00455154	34956-4	15370-3 0	41
17068	64.8949		170.0817 0107866	84.1542	277.1915	16.12161154	362
17068U	86 87	A	86340.87890211	.00448780	34903-4	14417-3 0	42
17068	64.8949		166.6266 0106033	83.6094	277.6721	16.13002739	377
17068U	86 87	A	86341.80867480	.00214315	34448-4	14417-3 0	43
17068	64.9070		163.1720 0102336	101.6357	256.9325	16.05829320	392
17068U	86 87	A	86342.92640817	.00322092	34348-4	14908-3 0	46
17068	64.8932		159.0271 0093852	116.2498	244.8390	16.11521971	410
17068U	86 87	A	86344.97341661	.00371154	34828-4	16219-3 0	48
17068	64.8920		151.4270 0088935	114.9209	246.2335	16.12993833	443
17068U	86 87	A	86344.97341661	.00371154	34828-4	16219-3 0	49
17068	64.8920		151.4270 0088935	114.9209	246.2335	16.12993833	443

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Kosmos 1792

for 15.2

17068U	86 87	A	86347.08039419	.00357364	35159-4	14891-3 0	51
17068	64.8910	143.5891	0086258	114.7307	246.0364	16.13981364	477
17068U	86 87	A	86347.08039419	.00357364	35159-4	14891-3 0	52
17068	64.8910	143.5891	0086258	114.7307	246.0364	16.13981364	477
17068U	86 87	A	86347.14239972	.00353637	34907-4	14891-3 0	53
17068	64.8949	143.3511	0088568	113.7264	247.1908	16.13467687	478
17068U	86 87	A	86347.57626093	.00320814	34903-4	13451-3 0	54
17068	64.8914	141.7431	0087559	114.1593	246.7935	16.13704521	485
17068U	86 87	A	86347.94809017	.00049277	34802-4	22022-4 0	55
17068	64.8907	140.3582	0087036	114.6396	246.4740	16.13990767	491
17068U	86 87	A	86348.31984851	.00458108	34424-4	18595-3 0	56
17068	64.8930	138.9755	0085391	114.0239	247.2478	16.14378720	497
17068U	86 87	A	86349.92968168	.00419957	35132-4	15917-3 0	58
17068	64.8922	132.9747	0081358	113.5392	247.2652	16.15815533	523
17068U	86 87	A	86353.96110644	.00324509	34554-4	15239-3 0	64
17068	64.8931	118.0040	0099794	124.3061	236.7778	16.10297370	588
17068U	86 87	A	86354.95458053	.00330305	34655-4	15132-3 0	65
17068	64.8919	114.3258	0097559	123.8374	237.2471	16.10968946	604

17068U	86 87	A	86355.88557992	.00340821	34620-4	15288-3 0	66
17068	64.8919	110.8728	0095236	123.6133	237.4415	16.11609164	619
17068U	86 87	A	86356.94026147	.00388416	34601-4	16642-3 0	67
17068	64.8921	106.9573	0093048	123.2701	238.0601	16.12475956	636
17068U	86 87	A	86357.87030299	.00435028	34864-4	18131-3 0	69
17068	64.8923	103.4979	0090003	122.7658	238.3399	16.13298400	651
17068U	86 87	A	86358.55203905	.00464361	34809-4	18592-3 0	70
17068	64.8951	100.9642	0088779	122.9799	238.0304	16.13934956	662
17068U	86 87	A	86358.92378225	.00457339	34376-4	18182-3 0	71
17068	64.8927	99.5796	0087303	122.2005	238.7384	16.14269854	668
17068U	86 87	A	86360.53381448	.00250240	34182-4	15157-3 0	73
17068	64.8964	93.5794	0102896	140.9431	219.1518	16.06924734	694
17068U	86 87	A	86361.03179155	.00269360	34136-4	16018-3 0	74
17068	64.8949	91.7447	0102082	140.7281	220.1988	16.07224045	702
17068U	86 87	A	86362.08939465	.00277411	34369-4	16169-3 0	75
17068	64.8936	87.8449	0100074	140.1411	220.8468	16.07851624	719
17068U	86 87	A	86363.83040918	.00243787	34534-4	13949-3 0	77
17068	64.8922	81.4168	0096210	139.8679	220.7792	16.08774668	747
17068U	86 87	A	86365.63264759	.00234183	33197-4	17932-3 0	81
17068	64.8914	74.7690	0155215	134.7887	216.8117	15.94222458	776
17068U	86 87	A	86365.69708426	.00206321	33276-4	15914-3 0	82
17068	64.8900	74.5340	0154825	134.7294	226.6587	15.94249020	777

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Kosmos 1792

forts. 3

17068U	86 87	A	86365.88527029	.00173644	33469-4	13320-3 0	83
17068	64.8904		73.8538 0156075	134.7047	226.6818	15.94311983	780
68U	86 87	A	87 1.88877024	.00214633	33338-4	16172-3 0	85
68	64.8904		70.2226 0153562	134.3665	227.0255	15.94761608	796
68U	86 87	A	87 2.51581516	.00301939	34772-4	16172-3 0	87
68	64.8963		67.9394 0090467	138.7064	228.4678	16.10487602	806
68U	86 87	A	87 2.88727659	.00267649	34658-4	14444-3 0	88
68	64.8928		66.5666 0088864	137.9007	222.8786	16.10697592	812
68U	86 87	A	87 3.50811166	.00229332	34631-4	12256-3 0	89
68	64.8947		64.2650 0087405	138.3332	222.5591	16.11093018	822
68U	86 87	A	87 3.63224015	.00185704	34482-4	99210-4 0	90
68	64.8925		63.8061 0087309	137.9137	222.8749	16.11169336	824
68U	86 87	A	87 3.88051932	.00282674	34557-4	14875-3 0	91
68	64.8925		62.8851 0086899	138.1341	222.6777	16.11308683	828
68U	86 87	A	87 4.62520843	.00284002	34116-4	14625-3 0	92
68	64.8925		60.1247 0085805	137.7283	223.0522	16.11739146	840

86-88A

Polar Bear

17070U	86	88	A	86318.13594189	.00000004	00000-0	00000	0	0	1
17070	89.6456	119.5074	0029352	'260.8916	98.1160	13.70471661				1
17070U	86	88	A	86318.79229294	.00000004	00000-0	00000	0	0	5
17070	89.5522	119.4065	0037744	240.6043	119.1377	13.72378482				10
17070U	86	88	A	86332.42658408	.00000096	00000-0	99999-4	0		9
17070	89.5559	118.7796	0039009	198.2251	161.7525	13.72381997				197

86-89A

Molnija 1-69

17078U	86 89	A	86319.95083319	-	.00000113	00000-0	00000	0	0	2
17078	62.7569	328.4087	7460613	280.2057	10.4888	1.95795457				1
17078U	86 89	A	86321.48421421	.	.00000089	00000-0	99999-4	0		3
17078	62.8467	328.3007	7467878	280.0657	10.3470	1.95619688				4

86-90A

Gorizont 13

17083U	86	90	A	86326.35865530	-.00000149	00000-0	99999-4	0	5
17083	1.4218	278.6119	0008731	239.9659	120.4963	1.00140669	4		
17084U	86	90	B	86325.14450635	.26993227	61638-4	17925-3	0	11
17084	51.6309	264.4193	0005388	251.0184	109.1747	16.53224757	42		

86-91A

Kosmos 1793

17134U	86 91	A	86324.55692211	-.00000021	00000-0	99999-4 0	2
17134	62.9580	191.0015	7355990	318.0168	4.8693	2.03282608	0
17134U	86 91	A	86328.00339597	-.00000994	00000-0	99999-4 0	5
17134	62.9641	190.4778	7374188	318.0959	356.6630	2.00807863	8
17134U	86 91	A	86329.50861307	-.00000975	00000-0	99999-4 0	6
17134	62.9977	190.2709	7373642	318.0911	4.7945	2.00805567	11

86-92A

Kosmos 1794-1801

17138U	86 92	A	86327.55534182	.00000008	00000-0	99999-4 0	5
17138	74.0122		94.7177 0021498	227.3144	132.6100	12.45428839	31
17139U	86 92	B	86333.80539966	.00000008	00000-0	99999-4 0	5
17139	74.0131		86.4608 0010077	198.9773	161.0941	12.47576600	109
17140U	86 92	C	86333.87284790	.00000009	00000-0	99999-4 0	7
17140	74.0181		86.3374 0013795	150.1795	210.0046	12.49399202	110
17141U	86 92	D	86334.01875900	.00000009	00000-0	99999-4 0	6
17141	74.0130		86.0646 0017808	108.4946	251.8043	12.51399296	111
17142U	86 92	E	86334.00588018	.00000010	00000-0	99999-4 0	5
17142	74.0125		86.0765 0027595	103.1557	257.2577	12.53219952	112
17143U	86 92	F	86333.91345695	.00000010	00000-0	99999-4 0	6
17143	74.0128		86.1200 0036683	97.3562	263.1663	12.55021178	111
17144U	86 92	G	86333.98072781	.00000010	00000-0	99999-4 0	8
17144	74.0126		86.0104 0046682	97.2876	263.3489	12.56789278	112
17145U	86 92	H	86333.96804216	.00000011	00000-0	99999-4 0	9
17145	74.0130		85.9860 0054269	87.5451	273.1819	12.58593631	112
17146U	86 92	J	86334.54915988	.00000005	00000-0	99999-4 0	20
17146	74.0102		86.0189 0130454	252.5913	106.0825	12.23509871	116

86-93A

Kosmos 1802

17159U	86 93	A	86328.95405514	.00000006	00000-0	00000	0 0	2
17159	82.9555		57.4294	0039214	277.4679	82.1786	13.74433635	1
17159U	86 93	A	86329.54763622	.00000006	00000-0	00000	0 0	8
17159	82.9307		56.9772	0041647	280.5991	79.0472	13.71618425	9

86-94A

Kosmos 1803

17177U	86 94	A	86336.35747095	.00000004	00000-0	00000	0 0	3
17177	82.6087		202.7226	0002808	270.8653	89.1724	12.41561041	1
17177U	86 94	A	86336.43791705	.00000004	00000-0	00000	0 0	2
17177	82.6034		202.6760	0000370	196.8011	162.8342	12.42047007	2
17177U	86 94	A	86336.51864564	.00000004	00000-0	00000	0 0	4
17177	82.6068		202.6245	0002663	259.2632	100.7720	12.41467813	3

86-95A

Kosmos 1804

17179U	86 95	A	86338.48158570	-	.00002725	18878-4	00000	0	0	1
17179	69.9891		267.8130		0166182	70.7308	291.1329	15.86457024		1
17179U	86 95	A	86338.54464640	-	.00002747	19074-4	00000	0	0	2
17179	69.9935		267.6349		0166683	70.8918	291.0238	15.86448279		2
17179U	86 95	A	86338.92296479	.	.00274223	18682-4	33019-3	0	0	3
17179	69.9884		266.5387		0166620	70.4234	291.4706	15.86456292		8
17179U	86 95	A	86339.23821279	.	.00031225	00000-0	33019-3	0	0	4
17179	69.9956		265.6811		0050969	215.2652	118.5611	15.62359609		13
17179U	86 95	A	86342.70024118	.	.00023173	00000-0	24693-3	0	0	8
17179	69.9945		256.0500		0049830	210.1843	149.4796	15.62317639		68
17179U	86 95	A	86342.95637769	.	.00023184	00000-0	24693-3	0	0	9
17179	69.9931		255.3369		0049888	209.7995	150.0286	15.62328408		72
17179U	86 95	A	86342.95638052	-	.00009170	00000-0	-96154-4	0	0	11
17179	69.9939		255.3337		0049759	209.7918	150.0345	15.62308241		71

17179U	86 95	A	86343.78874090	.00000517	00000-0	66190-5 0	12
17179	69.9942	253.0235	0049815	208.5888	151.2581	15.62300617	84
17179U	86 95	A	86344.74908949	.00006033	00000-0	65090-4 0	14
17179	69.9922	250.3466	0049360	205.8916	153.5825	15.62285802	99
17179U	86 95	A	86344.94124476	.00004280	00000-0	46508-4 0	15
17179	69.9933	249.8161	0049720	206.2410	153.6159	15.62268445	102
17179U	86 95	A	86344.94124476	.00004280	00000-0	46508-4 0	16
17179	69.9933	249.8161	0049720	206.2410	153.6159	15.62268445	102
17179U	86 95	A	86346.02973486	.00004284	00000-0	46508-4 0	17
17179	69.9980	246.7903	0049706	204.7331	155.1992	15.62293266	119
17179U	86 95	A	86347.05416941	.00004284	00000-0	46508-4 0	18
17179	69.9967	243.9428	0049898	202.7313	157.0772	15.62286481	135
17179U	86 95	A	86348.07863351	.00004278	00000-0	46508-4 0	19
17179	69.9957	241.0897	0049480	201.4166	158.3952	15.62269420	151
17179U	86 95	A	86348.91102499	.00004270	00000-0	46508-4 0	20
17179	69.9942	238.7794	0049137	199.6302	160.2436	15.62250469	164
17179U	86 95	A	86349.03909431	.00004281	00000-0	46508-4 0	21
17179	69.9962	238.4191	0049652	199.6436	160.3106	15.62275973	166
17179U	86 95	A	86349.93548815	.00011729	00000-0	12665-3 0	22
17179	69.9995	235.9343	0049386	198.6706	161.1780	15.62269560	180

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17181U	86 96	A	86338.90608528	.00001068	17221-4	99999-4	0	1
17181	28.5440	291.9462	7321850	179.1687	183.8978	2.27255134	0	0
17181U	86 96	A	86339.34469280	.00000496	16894-4	99999-4	0	2
17181	28.4742	291.6724	7308556	179.5374	183.7085	2.28674628	1	1
17181U	86 96	A	86339.77883011	.00000703	16811-4	99999-4	0	3
17181	28.4779	291.5521	7309088	179.7389	181.1083	2.28697599	2	2
17181U	86 96	A	86341.08194856	-.00000076	00000-0	99999-4	0	4
17181	5.0612	289.7502	0072857	323.0472	35.8576	0.99573068	8	8
17181U	86 96	A	86341.08395888	-.00000132	00000-0	99999-4	0	5
17181	5.2674	289.1925	0085676	341.4583	18.9333	0.99157281	8	8
17181U	86 96	A	86343.09710641	.00000127	00000-0	99999-4	0	7
17181	5.2601	289.1935	0063561	330.3187	28.8903	1.00967462	10	10
17181U	86 96	A	86345.07929902	.00000080	00000-0	99999-4	0	8
17181	5.2649	289.5095	0054553	337.0669	22.2614	1.00249910	12	12

86-97A

17191U	86 97	A	86344.36987365	.00000011	00000-0	00000	0 0	2
17191	82.6072		218.0124 0017618	281.6404	78.3624	14.74084268		1
17191U	86 97	A	86344.57351553	.00000011	00000-0	00000	0 0	3
17191	82.5176		217.8287 0018975	275.2805	84.6276	14.73999165		4
17191U	86 97	A	86344.98083155	.00000011	00000-0	00000	0 0	4
17191	82.5208		217.4565 0018994	274.8044	85.1181	14.74038866		10
17191U	86 97	A	86344.98083155	.00000011	00000-0	00000	0 0	5
17191	82.5208		217.4565 0018994	274.8044	85.1181	14.74038866		10
17191U	86 97	A	86344.98083155	.00000011	00000-0	00000	0 0	6
17191	82.5208		217.4565 0018994	274.8044	85.1181	14.74038866		10
17191U	86 97	A	86344.98083155	.00000011	00000-0	00000	0 0	7
17191	82.5208		217.4565 0018994	274.8044	85.1181	14.74038866		10

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Kosmos 1806

Lapp: 12 dec

17213U 86 98 A 86351.76532267 -.00000981 00000-0 99999-4 0 7
~~17213 62.8548 309.2299 7365485 316.2894 4.7311 2.00662497 12~~

86-99A

Kosmos 1807

Upp: 16 dec

17217U	86	99	A	86350.63620411	-	.00004097	28444-4	00000	0	0	1
17217	67.1355	281.3859	0126677	94.5973	266.9477	16.07779662					1
17217U	86	99	A	86350.94696343	.	.00310043	28060-4	99999-4	0	0	2
17217	67.1444	280.3666	0123601	94.0441	267.5329	16.09599302					6
17217U	86	99	A	86351.19610955	.	.00481839	28424-4	15917-3	0	0	3
17217	67.1439	279.4856	0129718	94.6306	266.9991	16.08094508					10
17217U	86	99	A	86351.94233680	.	.00406708	28080-4	13130-3	0	0	4
17217	67.1437	276.9662	0127966	93.7779	267.8082	16.08680346					22
17217U	86	99	A	86353.37183766	.	.00410152	28119-4	12390-3	0	0	6
17217	67.1451	272.1303	0124673	92.1610	269.6874	16.09928557					45
17217U	86	99	A	86353.93083784	.	.00422033	28154-4	12496-3	0	0	7
17217	67.1455	270.2363	0123379	91.6370	269.9309	16.10414046					54
17217U	86	99	A	86354.92428341	.	.00444975	28236-4	12650-3	0	0	8
17217	67.1469	266.8671	0120535	90.5598	271.2079	16.11358681					70

17217U	86 99	A	86355.91709272	.00464282	28177-4	12656-3 0	9
17217	67.1450	263.4942	0117598	89.4705	272.2195	16.12330354	86
17217U	86 99	A	86356.84724170	.00516820	28528-4	13454-3 0	10
17217	67.1423	260.3294	0114574	88.5736	272.8489	16.13348246	101
17217U	86 99	A	86357.96264514	.00588748	28134-4	14347-3 0	13
17217	67.1418	256.5282	0110650	87.4929	273.8776	16.14716620	119
17217U	86 99	A	86358.82950310	.00610331	28078-4	14034-3 0	16
17217	67.1408	253.5682	0107433	86.6790	274.7002	16.15870504	133
17217U	86 99	A	86359.07706332	.00321215	27145-4	14034-3 0	17
17217	67.1451	252.7319	0164215	66.7829	283.0535	15.98301872	137
17217U	86 99	A	86361.01826057	.00356741	27495-4	14905-3 0	19
17217	67.1390	246.2610	0159797	64.8004	297.0171	15.99654306	168
17217U	86 99	A	86362.14344458	.00344532	27170-4	14019-3 0	20
17217	67.1393	242.5040	0157266	63.5608	298.3267	16.00443009	186
17217U	86 99	A	86365.89015583	.00367620	27747-4	13681-3 0	24
17217	67.1368	229.9586	0148054	59.9617	301.8726	16.03029162	246
17217U	86 99	A	87 1.20205531	.00416321	27663-4	15068-3 0	25
17217	67.1373	228.9074	0148698	59.7313	301.9343	16.03334959	251
17217U	86 99	A	87 1.63865800	.00390450	27650-4	13984-3 0	26
17217	67.1360	227.4452	0147495	59.3527	302.2023	16.03690391	258
17217U	86 99	A	87 1.70102575	.00283097	28058-4	10177-3 0	27
17217	67.1359	227.2358	0147451	59.2276	302.3250	16.03702292	259

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forts. 1

17217U	86 99	A 87	1.76339336	.00333235	27399-4	11901-3 0	28
17217	67.1373	227.0271	0147358	59.1301	302.4365	16.03761640	260
17U	86 99	A 87	1.82575568	.00361162	27872-4	12850-3 0	29
17	67.1364	226.8171	0147218	59.0642	302.4985	16.03819036	261
17U	86 99	A 87	1.88811595	.00413445	27296-4	15024-3 0	30
17	67.1353	226.6063	0145741	59.1052	302.5003	16.03911211	262
17U	86 99	A 87	2.88552512	.00464653	27639-4	15962-3 0	32
17	67.1339	223.2550	0143499	58.0885	303.4489	16.04898425	278
17U	86 99	A 87	3.50860871	.00480639	27871-4	16033-3 0	33
17	67.1344	221.1576	0141975	57.6520	303.8262	16.05486487	288
17U	86 99	A 87	4.94090733	.00433913	27900-4	13874-3 0	38
17	67.1365	216.3321	0137918	56.3186	305.1209	16.06728150	311
217U	86 99	A 87	5.56329264	.00382502	28278-4	11899-3 0	40
217	67.1303	214.2277	0136874	56.1007	305.2753	16.07209945	321
17U	86 99	A 87	5.81219688	.00456845	28329-4	13397-3 0	41
17	67.1382	213.3867	0120702	55.6431	306.4242	16.11035761	325
217U	86 99	A 87	5.93621817	.00418894	27619-4	12181-3 0	42
217	67.1375	212.9665	0120373	55.4106	305.8526	16.11185822	327

17217U	86 99	A 87	6.92919175	.00488226	28143-4	13535-3 0	43
17217	67.1349	209.5934	0117657	54.3620	307.0707	16.12159761	343
17217U	86 99	A 87	7.79747810	.00533099	28145-4	14185-3 0	44
17217	67.1334	206.6372	0114828	53.9934	307.3209	16.13095214	357
17217U	86 99	A 87	8.91308804	.00698162	28448-4	17486-3 0	46
17217	67.1338	202.8349	0110592	52.9440	308.3298	16.14471922	375
17217U	86 99	A 87	8.91308804	.00598162	28448-4	17486-3 0	47
17217	67.1338	202.8349	0110592	52.9440	308.3298	16.14471922	375
17217U	86 99	A 87	9.84199213	.00102872	65760-5	14959-3 0	48
17217	67.1440	199.6751	0110085	99.8894	253.8808	15.94342616	390
17217U	86 99	A 87	9.96878080	.00366775	27897-4	14959-3 0	49
17217	67.1362	199.2533	0135866	116.5129	247.3191	16.04826021	392
17217U	86 99	A 87	10.84073285	.00354847	27773-4	14210-3 0	50
17217	67.1364	196.3199	0133754	115.4415	245.9875	16.05438352	406
17217U	86 99	A 87	11.21451122	.00471247	27959-4	18838-3 0	52
17217	67.1373	195.0576	0132266	114.6806	246.8292	16.05728808	412
17217U	86 99	A 87	11.65047205	.00406324	27708-4	15987-3 0	53
17217	67.1371	193.5906	0131712	114.3961	246.9817	16.06010657	419
17217U	86 99	A 87	12.95791965	.00361873	27812-4	13859-3 0	55
17217	67.1362	189.1846	0128278	112.8284	248.6427	16.06979321	440
17217U	86 99	A 87	13.82910720	.00362826	27953-4	13859-3 0	56
17217	67.1353	186.2431	0124954	112.0357	249.5608	16.07669761	454

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parts. 2

17217U	86 99	A 87	13.89129454	.00364489	27691-4	13859-3 0	57
17217	67.1353	186.0325	0124969	112.0708	249.3772	16.07711007	455
17217U	86 99	A 87	14.94863586	.00228564	27092-4	13859-3 0	58
17217	67.1351	182.4683	0132168	122.9356	231.5636	16.01454412	472
17217U	86 99	A 87	14.94863586	.00228564	27092-4	13859-3 0	60
17217	67.1351	182.4683	0132168	122.9356	231.5636	16.01454412	472
17217U	86 99	A 87	20.93945544	.00302956	27831-4	16454-3 0	67
17217	67.1347	162.3715	0121062	117.2601	243.8980	16.04778068	568
17217U	86 99	A 87	21.93650541	.00310814	28023-4	16801-3 0	68
17217	67.1344	159.0166	0117782	116.1874	245.3657	16.05453262	584

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4.11.17 dec

172390	86100	A	86361.91455158	.00000037	00000-0	35339-4	0	10	
17239	82.9356		2.2416 0031772	240.3832	119.4186	13.70851836		139	
390	86100	A	87	3.92143654	.00000037	00000-0	35339-4	0	24
39	82.9347		357.0793 0031978	220.1238	139.7084	13.70851320		236	

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17241U	86101	A	86353.61782404	.00000006	00000-0	00000	0	0	14
17241	82.5303	228.5061	0014525	261.1507	98.7998	13.82395157			87
41U	86101	A	87	2.88233194	.00000006	00000-0	00000	0	23
41	82.5279	221.1561	0014494	234.0836	125.8972	13.82394796			215
41U	86101	A	87	69.03659764	.00000108	00000-0	94875-4	0	92
41	82.5347	168.6723	0016814	53.5775	306.6920	13.82400857			1129

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17262U	86102	A	86360.94800793	.00429590	35135-4	17855-3	0	3	
17262	64.7504	293.3689	0073691	65.6436	295.2463	16.16674366		8	
17262U	86102	A	86361.62864933	.00503699	34942-4	20121-3	0	4	
17262	64.7515	290.8135	0071989	64.9991	296.3835	16.16763782		27	
17262U	86102	A	86362.12333085	.00484751	35735-4	18889-3	0	5	
17262	64.7517	288.9540	0071047	65.1946	295.5481	16.17191709		27	
17262U	86102	A	86365.85028930	.00082674	80203-5	10802-3	0	11	
17262	64.7519	275.0943	0013123	22.6161	337.5763	16.06756434		87	
62U	86102	A	87	1.84609739	.00092080	87000-5	11853-3	0	12
62	64.7527	271.4086	0013056	21.7716	338.4985	16.06957290		103	
62U	86102	A	87	2.84176138	.00105004	99840-5	13298-3	0	13
62	64.7522	267.7210	0013019	20.2354	340.0378	16.07182821		119	
62U	86102	A	87	3.52618655	.00060199	00000-0	74021-4	0	14
62	64.7515	265.1816	0013127	18.5760	341.5406	16.07284810		130	

62U	86102	A	87	3.89951574	.00093291	90599-5	11698-3	0	15
62	64.7514	263.7999	0013123	19.4084	340.8036	16.07374840	136		
62U	86102	A	87	4.39492936	.00083547	83711-5	10397-3	0	16
62	64.7513	260.1117	0013003	17.4356	342.6697	16.07537639	152		
62U	86102	A	87	5.70365010	-.00844633	00000-0	-12089-2	0	17
62	64.7473	257.1091	0013019	21.8930	338.2383	16.07554024	165		
62U	86102	A	87	5.95248061	.00082134	82690-5	10123-3	0	18
62	64.7515	256.1880	0012944	19.3523	340.8136	16.07697404	169		
62U	86102	A	87	5.95248059	.00079066	00000-0	94273-4	0	19
62	64.7500	256.1900	0012986	18.0073	342.1546	16.07695073	169		
17262U	86102	A	87	8.87568651	.00082863	00000-0	95796-4	0	22
17262	64.7495	245.3527	0012838	15.5218	344.6029	16.08169260	216		
17262U	86102	A	87	8.87568651	.00082863	00000-0	95796-4	0	23
17262	64.7495	245.3527	0012838	15.5218	344.6029	16.08169260	216		
17262U	86102	A	87	9.80844927	.00068667	00000-0	78693-4	0	24
17262	64.7506	241.8848	0013050	14.9915	345.3838	16.08357237	231		
17262U	86102	A	87	10.80324165	.00081128	00000-0	91496-4	0	25
17262	64.7505	238.1950	0012983	14.8407	345.5144	16.08558378	247		
17262U	86102	A	87	12.97895641	.00091136	93240-5	10331-3	0	27
17262	64.7489	230.1147	0013062	14.7496	345.5399	16.08967949	282		
17262U	86102	A	87	13.84907206	.00094278	96525-5	10568-3	0	28
17262	64.7484	226.8794	0012926	14.0749	346.0985	16.09137231	296		

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forts. 1

17262U	86102	A	87	13.91121764	.00094388	96357-5	10568-3	0	30
17262	64.7489	226.6493	0012966	14.6351	345.5231	16.09151542	297		
17262U	86102	A	87	15.21623598	.00095581	98296-5	10530-3	0	32
17262	64.7489	221.8046	0012758	13.0706	347.0677	16.09404960	318		
17262U	86102	A	87	15.89973905	.00092929	96178-5	10150-3	0	33
17262	64.7485	219.2614	0012942	14.0538	346.1124	16.09539539	329		
17262U	86102	A	87	16.89381975	.00105265	10982-4	11305-3	0	34
17262	64.7485	215.5655	0013086	12.8495	347.3802	16.09762150	345		
17262U	86102	A	87	17.88774388	.00116388	12240-4	12286-3	0	35
17262	64.7491	211.8689	0013029	11.9532	348.2536	16.10000371	361		
17262U	86102	A	87	20.18553040	-.01291343	00000-0	-28474-2	0	38
17262	64.7491	203.3157	0005308	126.6044	232.0190	16.06199127	398		
17262U	86102	A	87	20.18589715	.00140932	13339-4	18966-3	0	39
17262	64.7495	203.3147	0006030	130.4027	229.7699	16.06278969	398		
17262U	86102	A	87	20.31041522	.00151644	15181-4	18966-3	0	40
17262	64.7424	202.8538	0008596	152.2184	208.1591	16.07398266	400		

172620	86102	A	87	21.92794456	.00113824	10868-4	14053-3	0	42
17262	64.7482	196.8592	0009608	147.6642	212.5059	16.07649906	426		
172620	86102	A	87	22.98538173	.00104936	10085-4	12793-3	0	43
17262	64.7483	192.9365	0009015	142.1851	217.9560	16.07885258	443		
172620	86102	A	87	23.85610696	.00109959	10651-4	13233-3	0	44
17262	64.7492	189.7090	0009104	144.1052	216.0722	16.08075536	457		
172620	86102	A	87	24.85108475	.00114280	11090-4	13546-3	0	45
17262	64.7490	186.0184	0008808	143.3847	216.8095	16.08307316	473		
172620	86102	A	87	28.08381254	.00079289	76225-5	12303-3	0	50
17262	64.7477	174.0150	0030506	121.0792	236.8961	16.03174117	525		
172620	86102	A	87	29.89310954	.00083107	80519-5	12663-3	0	53
17262	64.7479	167.3520	0030358	120.5032	239.9041	16.03469179	554		
172620	86102	A	87	30.89096330	.00079395	78300-5	12000-3	0	54
17262	64.7477	163.6739	0030222	119.8511	240.5400	16.03628323	570		
172620	86102	A	87	31.88870855	.00072133	73688-5	10844-3	0	55
17262	64.7494	159.9971	0030056	119.0141	241.2420	16.03764997	586		
172620	86102	A	87	32.13798022	.00077483	00000-0	00000-0	0	0056
17262	64.7463	159.0792	0029838	122.6022	237.7117	16.0546396600590			
172620	86102	A	87	33.75743232	.00082537	81808-5	11146-3	0	58
17262	64.7501	153.0920	0025310	129.3821	230.9586	16.05719357	616		
172620	86102	A	87	43.91813867	.00528235	35429-4	16551-3	0	71
17262	64.7474	115.0588	0047822	268.3666	91.4733	16.22912027	780		

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17262U	86102	A	87	44.22617203	.00674104	35609-4	20252-3	0	72
17262	64.7473			113.8923	0048095	269.1053	90.4889	16.23307887	785
17262U	86102	A	87	44.65733978	.00547270	35962-4	16126-3	0	73
17262	64.7492			112.2575	0046363	268.8107	90.6365	16.23757351	792
17262U	86102	A	87	44.90370332	.00246017	11068-4	16126-3	0	74
17262	64.7478			111.3243	0038547	218.9766	137.4485	16.15095625	796
17262U	86102	A	87	45.09004585	.00135734	14961-4	16126-3	0	75
17262	64.7429			110.6368	0042513	270.2935	85.5192	16.06349967	799
17262U	86102	A	87	45.96224175	.00087334	00000-0	99588-4	0	76
17262	64.7478			107.4042	0041559	271.3239	88.7025	16.06678046	813
17262U	86102	A	87	46.21114989	.00076843	00000-0	87696-4	0	77
17262	64.7480			106.4839	0041417	271.0270	88.6137	16.06714305	817
17262U	86102	A	87	49.01153958	.00118958	13591-4	13411-3	0	81
17262	64.7449			96.1056	0040702	270.7326	88.8780	16.07346960	862
17262U	86102	A	87	50.94005283	.00115040	13072-4	12639-3	0	83
17262	64.7452			88.9562	0040081	269.6895	89.9495	16.07794583	893

17262U	86102	A	87	51.87301355	.00147002	17144-4	15051-3	0	84
17262	64.7457		85.4958	0039603	269.7557	89.9176	16.08048631		908
17262U	86102	A	87	52.93016273	.00153597	18273-4	16232-3	0	85
17262	64.7461		81.5738	0039296	269.1916	90.4985	16.08376192		925
17262U	86102	A	87	53.61408171	.00175582	21557-4	18246-3	0	86
17262	64.7464		79.0316	0039298	269.1873	90.4582	16.08596416		936
17262U	86102	A	87	53.86275985	.00149273	17701-4	15504-3	0	87
17262	64.7461		78.1106	0039157	268.9086	90.7257	16.08650419		940
17262U	86102	A	87	58.02651179	.00438950	00000-0	45164-3	0	91
17262	64.7430		62.6317	0037203	268.3764	91.2485	16.09727327		1007
17262U	86102	A	87	58.08865080	.00145724	17814-4	14061-3	0	92
17262	64.7458		62.4029	0037837	267.8791	91.8728	16.09855947		1008
17262U	86102	A	87	63.05607143	.00144804	80817-5	12766-3	0	97
17262	64.7441		43.9014	0035536	266.0868	93.5375	16.11352770		1088
17262U	86102	A	87	63.98696681	.00160941	83568-5	13853-3	0	98
17262	64.7445		40.4283	0035576	266.2261	93.5921	16.11671338		1103
17262U	86102	A	87	64.91763609	.00172971	84639-5	14576-3	0	99
17262	64.7467		36.9569	0034895	266.2234	93.5814	16.12016109		1118
17262U	86102	A	87	65.91012979	.00170246	87082-5	13990-3	0	100
17262	64.7460		33.2522	0034552	265.8270	94.0215	16.12404098		1134

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17262U	86102	A	87	66.90237890	.00205605	89786-5	16457-3	0	101
17262	64.7446			29.6433	0034257	264.4822	95.4116	16.12831992	1150
17262U	86102	A	87	67.39837478	.00228693	89408-5	17943-3	0	102
17262	64.7449			27.6892	0033747	264.2279	95.5308	16.13067109	1158
52U	86102	A	87	67.89432774	.00205170	88771-5	15919-3	0	103
52	64.7444			25.8368	0033549	264.5991	95.1271	16.13254551	1166
52U	86102	A	87	68.08029721	.00211059	90003-5	16281-3	0	104
52	64.7462			25.1409	0033421	264.0467	95.7018	16.13343064	1169
52U	86102	A	87	68.20426795	.00096650	87949-5	16281-3	0	105
52	64.7491			24.6840	0037077	54.4018	300.6674	16.01298361	1171
52U	86102	A	87	68.26754148	.00121741	12271-4	16281-3	0	106
52	64.7451			24.4513	0027906	90.7672	269.6700	16.05624531	1172
52U	86102	A	87	68.95264809	.00105858	10515-4	14086-3	0	108
52	64.7444			21.9184	0027805	90.2600	270.1019	16.05742722	1183
17262U	86102	A	87	74.92910500	.00131855	13699-4	16089-3	0	117
17262	64.7455			359.7943	0026727	89.1301	271.5888	16.07117501	1279

72020	86102	A	87	74.92905388	.00118975	12270-4	14530-3	0	118
7262	64.7438	359.8009	0026678	88.3777	272.0477	16.07132983	1279		
172020	86102	A	87	75.92459837	.00105867	10995-4	12771-3	0	120
17262	64.7447	356.1051	0026549	88.6129	271.7639	16.07364663	1295		
172020	86102	A	87	76.60812074	.00037588	00000-0	39429-4	0	122
17262	64.7458	353.5635	0017314	86.6048	273.7556	16.09744990	1306		
172020	86102	A	87	77.66413056	.00151816	16990-4	15718-3	0	124
17262	64.7464	349.6364	0017328	88.0583	272.2147	16.10082891	1323		
172020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	125
17262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		
172020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	126
7262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		
172020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	128
17262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		
172020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	130
17262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		
172020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	133
17262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		
172020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	134
7262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		
72020	86102	A	87	77.91258351	.00152545	17139-4	15718-3	0	135
7262	64.7449	348.7128	0017349	86.4802	273.8200	16.10153639	1327		

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02U 86102	A 87	78.96835066	.00155784	17774-4	15718-3	0	136
02 64.7458	344.7831	0017003	86.5101	273.7908	16.10481850		1344
02U 86102	A 87	79.83764275	.00158607	18404-4	15718-3	0	137
02 64.7443	341.5452	0016694	86.1783	274.1498	16.10762103		1358
02U 86102	A 87	80.89300076	.00154870	18134-4	15044-3	0	138
02 64.7449	337.6119	0016307	85.8478	274.4032	16.11083745		1375
17262U 86102	A 87	81.88610156	.00191945	24326-4	18084-3	0	139
17262 64.7441	333.9103	0016360	86.2908	274.2470	16.11494335		1391
17262U 86102	A 87	82.94091987	.00194631	25186-4	17856-3	0	140
17262 64.7432	329.9733	0015871	85.9402	274.3614	16.11905559		1408
17262U 86102	A 87	090.93662711	.00210756	00000-0	00000-0	0	0150
17262 064.7353	300.0749	0014657	142.2365	217.9724	16.0991224101538		
17262U 86102	A 87	090.99891555	.00210756	00000-0	00000-0	0	0151
17262 064.7298	299.8373	0030088	092.6679	267.7828	16.06398222201539		
17262U 86102	A 87	091.93271349	.00151408	00000-0	00000-0	0	0154
17262 064.7300	296.3787	0029085	090.9518	269.4880	16.0658869001554		

172620	86102	A	87091.93271349	.00151408	00000-0	00000-0	00000-0	0	0153
17262	064.7300	296.3787	0029085	090.9518	269.4880	16.065886900	1554		
2620	86102	A	87 92.35635133	.00212378	26200-4	26608-3	0	155	
262	64.7420	292.9215	0022658	92.1944	268.1215	16.05838670	1568		
2620	86102	A	87 93.55091951	.00123291	12475-4	15422-3	0	156	
262	64.7393	290.3859	0022647	90.8100	269.3035	16.06964322	1579		
2620	86102	A	87 94.91995901	.00125845	12807-4	15422-3	0	158	
262	64.7422	285.3113	0022594	90.2297	270.0800	16.07285606	1601		
2620	86102	A	87 95.91541124	.00139612	14552-4	16772-3	0	159	
262	64.7408	281.6212	0022265	90.0862	270.2927	16.07577982	1617		
72620	86102	A	87 96.84847741	.00143824	15262-4	16995-3	0	160	
7262	64.7407	278.1617	0022094	89.2775	271.1105	16.07851047	1632		
620	86102	A	87 99.83320214	.00163653	18286-4	18246-3	0	163	
62	64.7408	267.0814	0020706	86.1822	274.2943	16.08788956	1680		
620	86102	A	87101.82196472	.00191058	23431-4	20366-3	0	165	
62	64.7395	259.6887	0019870	84.5855	275.7619	16.09491686	1712		
620	86102	A	87100.88983265	.00171564	19733-4	18693-3	0	164	
62	64.7393	263.1637	0020278	85.4509	274.9220	16.09153518	1697		
620	86102	A	87102.81601491	.00185413	22558-4	19326-3	0	166	
62	64.7384	255.9908	0019495	83.4299	276.8524	16.09854382	1728		

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02U 86102 A 37104.85554186	.00215998	28909-4	21296-3	0	168
02 64.7397 243.3000 0018769	80.6450	279.8214	16.10700356	1761	
02U 86102 A 37105.85380768	.00223146	30852-4	21380-3	0	169
02 64.7401 244.8591 0018357	78.8381	281.4430	16.11143335	1777	
17262U 86102 A 87111.56472548	.00263637	43050-4	21075-3	0	175
17262 64.7356 223.3420 0014852	68.1943	291.9948	16.13906803	1869	
17262U 86102 A 87111.87455279	.00277368	47219-4	21871-3	0	176
17262 64.7381 222.1972 0015056	68.9664	291.4234	16.14089948	1374	
17262U 86102 A 87112.68065822	.00259951	00000-0	00000-0	0	01771
17262 064.7689 219.1815 0083009	108.7231	252.2845	16.0935402901898		
17262U 86102 A 87112.68065884	.00259951	00000-0	00000-0	0	0178
17262 064.7589 219.1544 0045428	087.5245	273.3019	16.0397800901887		
17262U 86102 A 87113.86523508	.00167022	17866-4	23215-3	0	183
17262 64.7409 214.8010 0038078	87.6192	272.9449	16.04228635	1906	
17262U 86102 A 87113.61391915	.00167094	17928-4	23215-3	0	182
17262 64.7375 215.7202 0039246	85.2840	275.5628	16.04141976	1902	

17262U	86102	A	87114.86255911	.00037605	00000-0	51171-4 0	184
17262	64.7378	211.1223	0038693	84.4068	275.7153	16.04396806	1922
17262U	86102	A	87114.86255911	.00037605	00000-0	51171-4 0	185
17262	64.7378	211.1223	0038693	84.4068	275.7153	16.04396806	1922
17262U	86102	A	87115.92223236	.00093347	96562-5	12731-3 0	187
17262	64.7377	207.2081	0038289	83.1906	277.5679	16.04660723	1939
17262U	86102	A	87121.84047231	.00109148	11350-4	13805-3 0	193
17262	64.7362	185.3320	0036381	78.9454	281.5458	16.05947388	2034
17262U	86102	A	87122.64997861	.00136790	14549-4	17045-3 0	194
17262	64.7364	182.3358	0035897	78.3199	282.2407	16.06162649	2047
17262U	86102	A	87123.83287334	.00117558	12338-4	14410-3 0	195
17262	64.7356	177.9607	0036191	79.1154	281.2491	16.06429794	2066
17262U	86102	A	87124.82886122	.00170732	19497-4	20499-3 0	196
17262	64.7352	174.2659	0035165	75.9056	284.6576	16.06747789	2082
17262U	86102	A	87125.32675858	.00144800	15885-4	17272-3 0	197
17262	64.7361	172.4217	0035007	75.6891	284.7641	16.06874353	2090
17262U	86102	A	87128.18894866	.00145024	16230-4	16488-3 0	201
17262	64.7369	161.8137	0033946	74.7797	285.7822	16.07713469	2136
17262U	86102	A	87129.05971435	.00159074	18236-4	17730-3 0	202
17262	64.7371	158.5821	0033784	74.4889	286.0045	16.08005741	2150

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17262U	86102	A	87129.93033983	.00153338	17767-4	16858-3	0	203
17262	64.7352	155.3505	0033289	73.2859	287.1310	16.08263016	16	2164
17262U	86102	A	87132.91424411	.00165665	19756-4	17161-3	0	208
17262	64.7333	144.2621	0032037	72.1365	288.2785	16.09231845		2212
17262U	86102	A	87134.03274293	.00155311	18494-4	15781-3	0	209
17262	64.7323	140.1027	0031600	71.5162	288.8128	16.09566192	16	2230
17262U	86102	A	87134.96467110	.00166224	20283-4	16530-3	0	210
17262	64.7321	136.6365	0031362	71.4183	289.0940	16.09889964	16	2245
17262U	86102	A	87135.08891212	.00165354	20177-4	16394-3	0	211
17262	64.7322	136.1746	0031469	71.1713	289.3441	16.09927086		2247
17262U	86102	A	87135.08891212	.00165354	20177-4	16394-3	0	213
17262	64.7322	136.1746	0031469	71.1713	289.3441	16.09927086	16	2247
17262U	86102	A	87135.89637845	.00194382	25383-4	18831-3	0	214
17262	64.7339	133.1673	0031062	71.0160	289.5990	16.10270001		2260
17262U	86102	A	87136.82732741	.00184311	23709-4	17511-3	0	215
17262	64.7342	129.6993	0030520	70.1512	290.2117	16.10603602	16	2275
17262U	86102	A	87137.94536456	.00185418	24080-4	17167-3	0	216
17262	64.7348	125.5355	0030018	69.4363	290.9757	16.11015874		2293

17262U	86102	A	87139.37293068	.00096601	95766-5	14524-3	0	220
17262	64.7367		120.2172 0040321	87.9421	269.3527	16.02923662		2316
17262U	86102	A	87139.93496255	.00106598	10411-4	15916-3	0	221
17262	64.7331		118.1447 0040028	87.2110	273.1692	16.03028264		2325
17262U	86102	A	87142.92898632	.00082523	86572-5	12010-3	0	224
17262	64.7330		107.1056 0039103	86.3356	274.2091	16.03603348		2373
17262U	86102	A	87143.73968401	.00104923	10357-4	15038-3	0	225
17262	64.7337		104.1146 0038799	85.6528	275.0028	16.03789244		2386
17262U	86102	A	87144.79965346	.00106576	10549-4	15050-3	0	226
17262	64.7335		100.2067 0038809	85.2796	275.2871	16.04020176		2403
17262U	86102	A	87146.17108757	.00240436	31320-4	32840-3	0	227
17262	64.7345		95.1417 0037480	85.0770	275.4543	16.04499241		2425
17262U	86102	A	87147.16829324	.00149295	15540-4	20144-3	0	228
17262	64.7337		91.4589 0037683	85.1034	275.4668	16.04752211		2441
17262U	86102	A	87147.91606567	.00129743	13315-4	17296-3	0	229
17262	64.7337		88.6961 0037286	83.8358	276.7953	16.05007067		2453
17262U	86102	A	87148.85061649	.00132092	13733-4	17296-3	0	230
17262	64.7298		85.2387 0036773	82.5767	278.1815	16.05326976		2468
17262U	86102	A	87149.84724307	.00049615	00000-0	62902-4	0	231
17262	64.7329		81.5582 0036079	82.7354	277.9908	16.05642523		2484
17262U	86102	A	87150.71916932	.00144426	15346-4	18267-3	0	232
17262	64.7359		78.3321 0035595	81.8910	279.0380	16.05958986		2498

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17262U	86102	A	87150.84364392	.00156339	17010-4	19666-3	0	233
17262	64.7354		77.8713 0035868	82.4586	278.0696	16.05988097	2500	
17262U	86102	A	87151.21725644	.00156941	17231-4	19666-3	0	234
17262	64.7367		76.4869 0035392	82.5517	277.9215	16.06085452	2506	
17262U	86102	A	87151.83988008	.00271516	39759-4	33597-3	0	235
17262	64.7338		74.1802 0035182	82.5662	277.7740	16.06215955	2516	
17262U	86102	A	87151.83988008	.00271516	39759-4	33597-3	0	236
17262	64.7338		74.1802 0035182	82.5662	277.7740	16.06215955	2516	
17262U	86102	A	87152.89823987	.00128471	13506-4	15709-3	0	237
17262	64.7352		70.2625 0034724	81.7017	278.8201	16.06556214	2533	
17262U	86102	A	87154.01862006	.00140533	15189-4	16844-3	0	238
17262	64.7345		66.1132 0034264	81.0592	279.5306	16.06882483	2551	
17262U	86102	A	87154.88984878	.00125922	13417-4	14941-3	0	240
17262	64.7338		62.8846 0033923	80.6300	279.7691	16.07087506	2565	
17262U	86102	A	87161.86293001	.00113972	12090-4	14280-3	0	250
17262	64.7340		37.0676 0039476	90.9750	269.6508	16.05836748	2677	
62U	86102	A	87165.72422567	.00280712	41419-4	36876-3	0	256
62	64.7316		22.7782 0046641	95.3254	265.2184	16.04301747	2739	

52U	86102	A	87164.85148952	.00120779	13109-4	14490-3	0	254
62	64.7351	26.0047	0037883	89.2519	271.3018	16.06626315	2725	
52U	86102	A	87164.97598075	.00108682	11532-4	14490-3	0	255
62	64.7361	25.5484	0047542	97.3413	262.2870	16.04160463	2727	
17262U	86102	A	87167.78108194	.00111040	11912-4	14370-3	0	259
17262	64.7363	15.1835	0046000	94.4300	266.3657	16.04765366	2772	
17262U	86102	A	87171.83051009	.00138167	15172-4	16899-3	0	263
17262	64.7340	0.2145	0043538	91.3692	269.3585	16.05807642	2837	
17262U	86102	A	87172.51550936	.00128557	14223-4	15618-3	0	264
17262	64.7333	357.6798	0042792	91.0284	269.6059	16.06000074	2848	
17262U	86102	A	87174.69457556	.00106814	11992-4	12637-3	0	269
17262	64.7320	349.6078	0041654	89.7692	270.7888	16.06558425	2883	
17262U	86102	A	87178.86377980	.00178141	21627-4	19565-3	0	276
17262	64.7345	334.1525	0039276	85.9484	274.7707	16.07777358	2950	
17262U	86102	A	87180.91610765	.00139178	15888-4	14875-3	0	278
17262	64.7335	326.5340	0038360	84.1446	276.4669	16.08303087	2983	
02U	86102	A	87181.91093119	.00142823	16484-4	14944-3	0	280
62	64.7332	322.8396	0038004	83.3720	277.1880	16.08563959	2999	
17262U	86102	A	87183.40288291	.00246241	35918-4	25553-3	0	283
17262	64.7510	317.3197	0035446	77.7110	282.7666	16.08888707	3023	

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7262U	86102	A	87183.90012219	.00065122	00000-0	65420-4	0	285
7262	64.7329		315.4484 0037106	81.1203	279.3815	16.09040895		3031
7262U	86102	A	87184.83238886	.00127132	14979-4	12866-3	0	286
7262	64.7335		311.9830 0036770	80.6410	280.0726	16.09275131		3046
7262U	86102	A	87185.64018120	.00101120	10626-4	12446-3	0	287
7262	64.7343		308.9803 0027385	90.7638	269.0072	16.07019400		3059
7262U	86102	A	87185.76494066	.00784575	32122-3	10764-2	0	289
7262	64.7339		308.5184 0036923	97.0578	263.4511	16.04475368		3061
7262U	86102	A	87185.95191733	.00013514	00000-0	18916-4	0	290
7262	64.7311		307.8287 0037013	97.2704	263.1489	16.04454701		3064
7262U	86102	A	87188.69403336	.00115239	11774-4	15512-3	0	296
7262	64.7322		297.6957 0036205	95.6502	264.8276	16.04970140		3087
7262U	86102	A	87189.81555937	.00109892	11179-4	14631-3	0	298
7262	64.7326		293.5514 0035899	94.7987	265.6406	16.05176604		3105
7262U	86102	A	87190.93693420	.00114319	11773-4	15023-3	0	299
7262	64.7333		289.4003 0035389	93.5543	266.8901	16.05413046		3123
7262U	86102	A	87192.05813862	.00115834	11817-4	15023-3	0	300
7262	64.7329		285.2595 0034733	92.0642	268.3849	16.05662067		3141

7262U	86102	A	87192.9J006741	.00112520	11622-4	14442-3	0	301
7262	64.7327	282.0337	0034589	91.4806	268.9675	16.05846754	3155	
7262U	86102	A	87195.79428702	.00026951	00000-0	33368-4	0	304
7262	64.7304	271.4302	0033410	89.9297	270.4867	16.06384237	3222	
17262U	86102	A	87196.85254064	.00098357	10531-4	12104-3	0	306
17262	64.7302	267.5133	0033668	89.0013	271.3191	16.06612564	3239	
17262U	86102	A	87199.83967412	.00125271	13455-4	14686-3	0	310
17262	64.7311	256.4404	0032336	86.2717	274.1570	16.07390844	3287	
17262U	86102	A	87201.83032900	.00227687	30478-4	25703-3	0	312
17262	64.7301	249.0544	0031820	84.2814	276.1895	16.07895543	3319	
17262U	86102	A	87202.76316400	.00108495	11893-4	12212-3	0	313
17262	64.7287	245.5913	0031466	83.8916	276.2035	16.08115354	3334	
17262U	86102	A	87202.76316400	.00108495	11893-4	12212-3	0	314
17262	64.7287	245.5913	0031466	83.8916	276.2035	16.08115354	3334	
17262U	86102	A	87203.60945683	.00172111	20469-4	18991-3	0	315
17262	64.7299	242.8200	0030965	83.8314	276.7227	16.08349927	3346	
17262U	86102	A	87203.88250545	.00139861	15670-4	15383-3	0	316
17262	64.7289	241.4343	0030942	83.3290	277.0978	16.08439713	3352	
17262U	86102	A	87204.87724481	.00142634	16104-4	15383-3	0	317
17262	64.7317	237.7417	0030624	82.3835	278.0860	16.08752785	3368	

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17262U	86102	A	87206.05823650	.00145444	16730-4	15383-3	0	318
17262	64.7288	233.3501	0029952	81.9149	278.4842	16.09092221		3387
17262U	86102	A	87206.86614974	.00194450	24649-4	20139-3	0	319
17262	64.7272	230.3444	0029669	81.3464	279.1366	16.09371999		3400
17262U	86102	A	87208.48154381	.00162032	19499-4	16282-3	0	322
17262	64.7288	224.3318	0028954	81.4027	279.1361	16.09905248		3426
17262U	86102	A	87208.85423133	.00167509	20530-4	16677-3	0	323
17262	64.7277	222.9474	0029131	80.6063	279.8244	16.10026514		3432
17262U	86102	A	87209.91006992	.00166924	20289-4	16262-3	0	324
17262	64.7276	219.0152	0028711	80.4099	279.9785	16.10372369		3449
17262U	86102	A	87210.53105465	.00273550	43952-4	25931-3	0	325
17262	64.7272	216.6983	0028228	79.6336	281.0242	16.10739063		3459
17262U	86102	A	87213.32385515	.00158811	17380-4	18495-3	0	330
17262	64.7273	206.2813	0022239	118.1277	241.0251	16.08046857		3504
17262U	86102	A	87213.38625167	.00128200	12543-4	18495-3	0	331
17262	64.7244	206.0525	0036105	87.8162	271.6765	16.03835447		3505
17262U	86102	A	87213.38625167	.00128200	12543-4	18495-3	0	332
17262	64.7244	206.0525	0036105	87.8162	271.6765	16.03835447		3505

17262U	86102	A	87214.44636982	.00109309	10612-4	15613-3	0	333
17262	64.7266	202.1401	0033342	87.5428	272.9221	16.04079479	3522	
17262U	86102	A	87214.82044178	.00104759	10384-4	14924-3	0	334
17262	64.7271	200.7622	0035451	86.7822	273.7101	16.04146472	3528	
17262U	86102	A	87215.19449351	.00104967	10288-4	14924-3	0	335
17262	64.7282	199.3788	0034914	87.4602	273.0390	16.04212681	3534	
17262U	86102	A	87215.81787129	.00105799	10420-4	14924-3	0	336
17262	64.7276	197.0772	0034861	86.0947	274.4076	16.04342680	3544	
17262U	86102	A	87216.87749306	.00107275	10669-4	14924-3	0	337
17262	64.7277	193.1629	0034551	85.6735	274.8600	16.04583754	3561	
17262U	86102	A	87217.75000597	.00105326	10676-4	14474-3	0	337
17262	64.7279	189.9467	0034979	86.0390	274.4948	16.04759035	3575	
17262U	86102	A	87217.99927611	.00087177	90525-5	12001-3	0	337
17262	64.7265	189.0183	0034399	85.0702	275.5135	16.04831524	3579	
17262U	86102	A	87217.75000597	.00105326	10676-4	14474-3	0	339
17262	64.7279	189.9467	0034979	86.0390	274.4948	16.04759035	3575	
17262U	86102	A	87217.99927611	.00087177	90525-5	12001-3	0	340
17262	64.7265	189.0183	0034399	85.0702	275.5135	16.04831524	3579	
17262U	86102	A	87219.18315342	.00045417	00000-0	60236-4	0	343
17262	64.7316	184.6465	0033990	84.6935	275.7935	16.05107746	3598	

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17262U	86102	A	87219.86850190	.00112212	11283-4	14984-3	0	344
17262	64.7276	182.1102	0033831	84.3631	276.2838	16.05274483	3609	
17262U	86102	A	87220.86518729	.00110617	11206-4	14591-3	0	345
17262	64.7276	178.4249	0033555	84.1041	276.3647	16.05493664	3625	
17262U	86102	A	87224.85055926	.00129691	13456-4	16130-3	0	349
17262	64.7286	163.6721	0031980	82.2471	278.3147	16.06485481	3689	
17262U	86102	A	87226.84220069	.00157803	17367-4	18830-3	0	351
17262	64.7292	156.2942	0030881	81.2446	279.3386	16.07163920	3721	
17262U	86102	A	87226.84220069	.00157803	17367-4	18830-3	0	352
17262	64.7292	156.2942	0030881	81.2446	279.3386	16.07163920	3721	
17262U	86102	A	87228.89517566	.00106529	11549-4	12315-3	0	354
17262	64.7259	148.6764	0029716	79.9298	280.4968	16.07831096	3754	
17262U	86102	A	87229.08177705	.00277271	42494-4	31447-3	0	355
17262	64.7284	147.9804	0029481	80.7274	279.7706	16.07062038	3757	
17262U	86102	A	87229.82800736	.00281204	43700-4	31447-3	0	356
17262	64.7262	145.2087	0029705	78.6090	281.4958	16.08161059	3769	
17262U	86102	A	87230.88510333	.00288246	45829-4	31447-3	0	357
17262	64.7261	141.2880	0025827	74.7071	285.7485	16.08776914	3786	

17262U	86102	A	87231.32028030	.00290088	46551-4	31447-3	0	358
17262	64.7274		139.6685	0028490	80.0291	280.3212	16.08710673	3793
17262U	86102	A	87235.79403660	.00168327	20435-4	16667-3	0	365
17262	64.7269		123.0268	0026154	76.4131	283.9590	16.10294000	3865
17262U	86102	A	87236.78761184	.00188870	24172-4	18218-3	0	366
17262	64.7264		119.3246	0025465	75.3795	285.2006	16.10703128	3881
17262U	86102	A	87237.59465815	.00222132	31020-4	20916-3	0	367
17262	64.7267		116.3148	0024919	74.9640	285.5322	16.11066376	3894
17262U	86102	A	87238.33946088	.00317061	57774-4	29030-3	0	368
17262	64.7263		113.5350	0024103	74.7860	285.7531	16.11530235	3906
17262U	86102	A	87239.64229356	.00254036	39657-4	22180-3	0	370
17262	64.7245		108.6706	0023189	75.1560	285.0590	16.12254315	3927
17262U	86102	A	87241.81789392	.00121759	11955-4	17478-3	0	374
17262	64.7254		100.5825	0036397	86.4340	274.0516	16.03910388	3962
17262U	86102	A	87242.94013691	.00134651	13473-4	18963-3	0	375
17262	64.7261		96.4408	0036142	85.9888	274.5906	16.04211381	3980
17262U	86102	A	87243.99981191	.00139912	14186-4	19365-3	0	376
17262	64.7261		92.5294	0035877	85.5653	274.9359	16.04500124	3997
17262U	86102	A	87244.87235507	.00152920	16027-4	20858-3	0	377
17262	64.7258		89.3037	0035019	84.4464	276.1401	16.04779499	4011

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17262U	86102	A	37245.86933485	.00158647	16762-4	21227-3	0	378
17262	64.7250	A	35.0187	0034615	82.9872	277.5738	16.05105153	4027
262U	86102	A	87247.92507493	.00121100	12278-4	15827-3	0	380
262	64.7250	A	78.0138	0033836	82.1172	278.2299	16.05593746	4060
262U	86102	A	87248.05933085	.00129171	13267-4	16635-3	0	381
262	64.7250	A	74.5575	0033390	81.4258	279.1061	16.05841869	4075
17262U	86102	A	87249.85567194	.00143957	15184-4	18198-3	0	382
17262	64.7242	A	78.0685	0032895	80.5222	280.0760	16.06144841	4091
17262U	86102	A	87250.85180317	.00161376	17729-4	19984-3	0	383
17262	64.7247	A	67.1797	0032424	78.7647	281.8025	16.06477875	4107
17262U	86102	A	87251.84772108	.00159911	17600-4	19418-3	0	384
17262	64.7248	A	65.4882	0032248	77.2485	283.2033	16.00795988	4123
17262U	86102	A	87253.90123087	.00161197	18226-4	18839-3	0	386
17262	64.7235	A	55.8755	0031438	76.0887	284.5839	16.07445041	4150
17262U	86102	A	87254.83436427	.00989703	34690-4	18839-3	0	387
17262	64.9364	A	52.4889	0147314	129.0124	232.0504	16.07987576	4171

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17264U	86103	A	86360.69406159	-.00000059	00000-0	99999-4	0	3
17264	62.7800		276.3447	7396127	279.9470	10.8674	2.05419024	1
7264U	86103	A	87 19.24735972	.00000115	00000-0	00000	0 0	24
7264	62.8302		272.5947	7417454	280.0246	11.1009	2.00658131	49