

Appendices

Appendix 1 ITRF2014 terrestrial tie and space geodesy discrepancies

ITRF2014 tie discrepancies at tie epochs in (E)ast, (N)orth and (U)p.

Tie Discrepancies = Space Geodesy - Terrestrial Tie (in mm)

Each tie vector component is flagged by '-' if the residual is less than 5 mm and by '*' otherwise.

GPS GPS Tie Discrepancies

Id	DOMES	Soln	Id	DOMES	Soln	East mm	North mm	Up mm	Tie Epoch	Flag	-----Technique Epochs-----		-----Spans-----		
											Start	End	Start	End	
METS	10503S011	1	METS	10503M005	1	-0.2	-0.5	-2.8	0:299	---	94:002	10:195	98:290	12:130	16.53 13.56
WTZR	14201M010	1	WTZA	14201M013	1	5.8	0.9	8.3	12:153	**	95:038	10:182	97:329	15:045	15.39 17.22
WTZR	14201M010	1	WTZZ	14201M014	2	0.5	1.4	-1.3	12:153	---	95:038	10:182	03:161	11:035	15.39 7.66
HRAO	30302M004	2	HARB	30302M009	1	2.5	2.1	2.3	3:214	---	98:026	04:323	00:224	11:334	6.81 11.30
STJO	40101M001	6	STJ2	40101M004	1	0.2	3.0	7.7	13:190	---	00:148	13:031	10:137	15:045	12.68 4.75
YAR2	50107M004	3	YARR	50107M006	1	-0.7	0.4	-6.9	3:305	---	02:137	12:099	98:298	07:157	9.90 8.61
YAR2	50107M004	3	YARR	50107M006	1	-0.6	-0.5	-8.9	10:201	---	02:137	12:099	98:298	07:157	9.90 8.61
YAR2	50107M004	3	YAR3	50107M008	3	-0.6	1.9	10.9	10:201	---	02:137	12:099	08:340	12:103	9.90 3.35

GPS VLBI Tie Discrepancies

Id	DOMES	Soln	Id	DOMES	Soln	East mm	North mm	Up mm	Tie Epoch	Flag	-----Technique Epochs-----		-----Spans-----		
											Start	End	Start	End	
GRAS	10002M006	4	7605	10002M003	1	-1.9	-1.6	-0.7	9:238	---	04:295	15:046	89:255	89:258	10.32 0.01
NYA1	10317M003	2	7331	10317S003	1	2.8	-3.4	-1.4	3:228	---	99:154	15:046	94:277	14:364	15.70 20.24
ONSA	10402M004	2	7213	10402S002	1	5.8	-0.2	-5.5	2:193	**	99:033	15:046	80:208	14:357	16.04 34.41
ONSA	10402M004	2	7213	10402S002	1	1.5	-1.4	4.4	14:173	---	99:033	15:046	80:208	14:357	16.04 34.41
METS	10503S011	1	7601	10503M002	1	1.4	-1.6	-5.9	0:299	---	94:002	10:195	89:186	89:193	16.53 0.02
METS	10503S011	1	7601	10503M002	1	0.2	0.2	-30.7	12:184	---	94:002	10:195	89:186	89:193	16.53 0.02
SVTL	12350M001	4	7380	12350S001	1	-5.8	-5.7	-30.9	5: 1	***	08:298	15:045	03:065	14:346	6.31 11.77
ZECK	12351M001	3	7381	12351S001	1	-22.3	-0.9	18.6	5: 1	**	06:211	11:201	05:356	07:124	4.97 1.36
MEDI	12711M003	3	7230	12711S001	2	0.0	-0.6	2.3	7:241	---	01:093	15:045	96:340	14:093	13.87 17.32
MEDI	12711M003	3	7230	12711S001	2	0.3	-3.9	1.5	13:165	---	01:093	15:045	96:340	14:093	13.87 17.32
NOT1	12717M004	1	7547	12717S001	1	-4.0	-2.2	2.6	5:264	---	00:252	15:046	89:154	14:191	14.44 25.10
NOT1	12717M004	1	7547	12717S001	1	0.0	1.8	-5.2	13:193	---	00:252	15:046	89:154	14:191	14.44 25.10
MATE	12734M008	4	7243	12734S005	1	-2.9	-5.4	-5.0	4:300	**	99:169	08:329	90:277	14:364	9.44 24.24

MADR	13407S012	10	1565	13407S010	1	-2.6	8.5	5.9	99:	1	---	03:316	11:018	88:244	96:341	7.18	8.27
YEBE	13420M001	1	7333	13420S001	1	0.8	0.8	-19.9	99:322	---	00:273	15:045	96:308	03:197	14:38	6.70	
WTZR	14201M010	1	7224	14201S004	1	-2.4	-4.1	1.8	12:153	---	95:038	10:182	83:355	14:364	15.39	31.02	
SHAO	21605M002	1	7227	21605S009	1	-1.3	-10.2	-3.5	3:332	---	95:009	02:172	88:100	11:053	7.45	22.87	
TSKB	21730S005	5	7345	21730S007	4	-3.0	0.9	1.6	8: 16	---	05:293	08:129	05:297	08:109	2.55	2.49	
TSKB	21730S005	9	7345	21730S007	6	-3.0	3.1	-4.5	11:192	---	11:243	15:046	11:094	14:364	3.46	3.74	
HRAO	30302M004	2	7232	30302S001	1	1.1	1.5	-0.8	3:214	---	98:026	04:323	86:009	14:329	6.81	28.88	
HRAO	30302M004	2	7378	30302S009	1	-2.8	-6.7	16.0	14: 58	---	98:026	04:323	12:285	14:357	6.81	2.20	
HRAO	30302M004	2	7232	30302S001	1	2.3	-12.2	16.2	14: 58	---	98:026	04:323	86:009	14:329	6.81	28.88	
PDEL	31906M004	1	7609	31906M001	1	3.6	-1.4	2.5	14:268	---	00:108	06:348	92:150	92:156	6.66	0.02	
STJO	40101M001	6	7625	40101M003	1	3.5	1.6	4.0	99:269	---	00:148	13:031	02:317	05:279	12.68	2.90	
STJO	40101M001	6	7625	40101M003	1	2.1	0.8	-1.2	13:190	---	00:148	13:031	02:317	05:279	12.68	2.90	
ALGO	40104M002	4	7282	40104S001	1	-1.4	-2.4	9.9	99: 1	---	97:016	12:344	84:237	06:216	15.90	21.94	
DRAO	40105M002	2	7283	40105M001	1	0.2	-1.4	-0.7	89:234	---	94:042	12:298	84:237	01:158	18.70	16.78	
YELL	40127M003	3	7296	40127M004	1	-1.9	-5.2	-10.8	1:285	---	96:235	13:199	91:181	06:215	16.90	15.09	
YELL	40127M003	3	7285	40127M001	1	-2.0	-3.4	-0.7	1:285	---	96:235	13:199	84:237	85:249	16.90	1.03	
FAIR	40408M001	2	7225	40408S002	1	-0.3	-6.4	1.8	1:274	---	96:108	02:308	84:189	02:304	6.55	18.31	
VNDP	40420M007	4	7223	40420M002	1	4.0	-0.3	0.0	91:335	---	95:313	03:357	83:239	91:210	8.12	7.92	
KOKB	40424M004	4	1311	40424S001	1	-0.1	1.0	8.0	2:319	---	04:148	15:046	84:189	94:074	10.72	9.69	
KOKB	40424M004	4	7298	40424S007	1	1.3	0.7	10.1	2:319	---	04:148	15:046	93:159	14:353	10.72	21.53	
KOKB	40424M004	4	7298	40424S007	1	3.9	0.8	12.2	14: 81	---	04:148	15:046	93:159	14:353	10.72	21.53	
WES2	40440S020	12	7205	40440S002	1	19.3	3.9	7.7	96:278	---	01:208	14:176	79:215	92:182	12.91	12.91	
WES2	40440S020	12	7209	40440S003	1	11.8	-0.2	15.6	96:278	---	01:208	14:176	81:133	14:247	12.91	33.31	
MDO1	40442M012	1	7613	40442S017	1	1.2	-6.7	9.7	93: 76	---	94:002	04:337	92:013	14:338	10.92	22.89	
MDO1	40442M012	1	7613	40442S017	1	1.7	3.8	-11.5	13: 54	---	94:002	04:337	92:013	14:338	10.92	22.89	
PIE1	40456M001	1	7234	40456S001	1	2.6	-3.2	-4.8	92:336	---	94:002	99:152	88:252	97:240	5.41	8.97	
NLIB	40465M001	1	7612	40465S001	1	-1.3	-0.7	-2.5	93: 64	---	94:002	09:320	92:241	14:338	15.87	22.27	
BREW	40473M001	1	7614	40473S001	1	0.7	-1.3	2.0	11:209	---	01:320	15:045	93:111	14:338	13.25	21.62	
MKEA	40477M001	1	7617	40477S001	1	-1.7	2.3	1.0	96:221	---	96:234	06:289	93:200	06:193	10.15	12.98	
BRFT	41602M002	3	7297	41602S001	1	-0.2	-4.4	8.9	6: 78	---	07:177	11:005	93:111	14:364	3.53	21.69	
FORT	41602M001	2	7297	41602S001	1	0.8	0.0	9.0	93:264	---	00:081	06:059	93:111	14:364	5.94	21.69	
SANT	41705M003	2	1404	41705S006	1	16.5	5.5	-9.1	92:192	---	96:199	10:058	91:324	96:331	13.61	5.02	

CONZ 41719M002	3	7640	41719S001	1	4.5	-1.9	6.9	3: 80	---	05:138	10:058	02:133	10:057	4.78	7.79
CONZ 41719M002	7	7640	41719S001	4	-0.2	-2.5	13.5	12:337	---	11:201	15:046	11:045	14:150	3.58	3.29
CRO1 43201M001	8	7615	43201S001	1	-4.4	2.6	1.6	94: 16	---	06:055	10:143	93:176	14:338	4.24	21.44
TIDB 50103M108	3	1545	50103S010	1	0.7	3.5	-0.4	95:263	---	04:353	15:046	88:144	10:224	10.16	22.22
TIDB 50103M108	3	1545	50103S010	1	-1.7	0.4	-15.0	7:254	---	04:353	15:046	88:144	10:224	10.16	22.22
YAR2 50107M004	3	7376	50107S012	1	-8.1	-1.5	-27.6	10:201	**	02:137	12:099	11:146	14:353	9.90	3.57
HOB2 50116M004	5	7242	50116S002	1	3.5	-2.1	-4.5	2: 81	---	04:359	15:046	89:269	14:234	10.14	24.90
HOB2 50116M004	5	7242	50116S002	1	3.0	-2.6	-3.5	9:330	---	04:359	15:046	89:269	14:234	10.14	24.90
HOB2 50116M004	5	7374	50116S007	1	6.8	0.6	-3.0	9:330	**	04:359	15:046	10:280	14:353	10.14	4.20
WARK 50243M001	1	7377	50243S001	1	-0.3	-3.9	14.7	12:338	---	09:039	13:362	11:059	14:353	4.88	3.80
KAT1 59968M001	1	7375	59968S001	1	-1.7	-2.3	3.9	11:153	---	10:072	15:045	11:167	14:353	4.93	3.51
SYOG 66006S002	2	7342	66006S004	1	0.2	5.3	33.2	0: 1	**	99:299	07:026	99:312	13:325	7.25	14.04
OHI2 66008M005	2	7245	66008S001	1	-3.0	4.5	-3.5	2: 43	---	03:054	09:030	93:025	10:034	5.93	17.02
OHI2 66008M005	2	7245	66008S001	1	1.4	7.1	3.1	13: 41	**	03:054	09:030	93:025	10:034	5.93	17.02
MKEA 40477M001	2	7617	40477S001	2	1.0	-1.0	3.7	15:193	---	06:289	14:291	06:242	14:338	8.01	8.26

GPS SLR Tie Discrepancies

Id	DOMES	Soln Id	DOMES	Soln	East mm	North mm	Up mm	Tie Epoch	-----Technique	Epochs-----		-----Spans-----			
										Start	End	Start	End		
GRAS 10002M006	4	7835	10002S001	2	-1.4	-10.7	-9.2	99:284	**	04:295	15:046	90:079	99:337	10.32	9.71
GRAS 10002M006	4	7845	10002S002	1	-5.7	-5.4	-4.4	99:284	**	04:295	15:046	97:327	14:358	10.32	17.08
GRAS 10002M006	4	7845	10002S002	1	-3.4	-3.0	-4.5	9:238	---	04:295	15:046	97:327	14:358	10.32	17.08
AJAC 10077M005	1	7848	10077M002	1	-7.5	-6.0	18.5	0: 1	**	00:022	08:222	02:042	05:300	8.55	3.71
METS 10503S011	1	7806	10503S014	1	-2.4	-8.7	-11.3	0:299	**	94:002	10:195	98:064	04:338	16.53	6.75
GRAZ 11001M002	2	7839	11001S002	3	3.4	0.0	-8.8	92:319	---	96:178	01:119	99:326	15:002	4.84	15.11
SOFI 11101M002	2	7505	11101M001	1	-0.7	0.6	3.1	95:266	---	99:232	10:094	95:273	95:294	10.62	0.06
BOR1 12205M002	2	7811	12205S001	1	-1.4	0.4	1.0	94: 10	---	99:152	15:046	93:206	02:208	15.71	9.01
CAGL 12725M003	2	7545	12725M002	1	1.1	1.3	3.1	95:161	---	01:192	13:263	85:311	94:070	12.19	8.34
MATE 12734M008	4	7541	12734M004	1	-1.7	-3.6	-5.4	4:300	**	99:169	08:329	86:010	94:168	9.44	8.43
MATE 12734M008	4	7941	12734S008	1	-0.1	-0.4	-3.1	4:300	---	99:169	08:329	01:184	14:361	9.44	13.48
HERT 13212M010	2	7840	13212S001	1	-1.2	1.7	0.6	8:177	---	07:339	15:045	83:104	15:002	7.20	31.72
SFER 13402M004	7	7824	13402S007	1	6.3	-3.8	-14.7	9:192	**	05:199	14:030	99:102	14:361	8.54	15.71
KOSG 13504M003	1	8833	13504M002	1	1.1	-1.7	0.3	93:104	---	94:002	03:076	84:116	95:203	9.20	11.24
ZIMM 14001M004	2	7810	14001S001	1	3.9	2.5	-2.3	96: 95	---	98:311	15:046	84:171	95:119	16.27	10.86
ZIMM 14001M004	2	7810	14001S007	1	-1.4	3.0	-3.8	96: 95	---	98:311	15:046	97:362	14:308	16.27	16.85

POTS	14106M003	3	7836	14106S009	1	4.3	0.3	5.8	94:221	--*	95:276	09:106	93:004	04:164	13.53	11.44
POTS	14106M003	3	7841	14106S011	1	-18.3	0.6	-4.4	94:221	*--	95:276	09:106	04:050	14:362	13.53	10.85
WTZR	14201M010	1	8834	14201S018	1	1.3	3.0	18.4	12:153	--*	95:038	10:182	91:014	00:343	15.39	9.90
SOLA	20101M001	2	7832	20101S001	1	1.3	-7.4	-3.2	12: 35	*--	04:140	15:046	01:017	11:318	10.74	10.82
BJFS	21601M001	1	7249	21601S004	1	0.0	6.8	1.5	3:171	*--	99:293	11:071	99:231	11:031	11.39	11.45
WUHN	21602M001	6	7231	21602S004	1	-13.6	-31.3	-8.1	3:342	***	04:361	11:071	00:117	04:345	6.21	4.62
SHA0	21605M002	1	7837	21605S001	2	2.6	-4.1	-11.0	3:332	--*	95:009	02:172	95:304	05:104	7.45	9.45
URUM	21612M001	2	7355	21612M002	1	7.2	2.7	4.9	99: 1	*--	99:267	05:151	03:127	03:301	5.68	0.48
HRA0	30302M004	2	7501	30302M003	1	0.2	4.8	5.8	3:214	--*	98:026	04:323	93:180	12:098	6.81	18.78
HRA0	30302M004	2	7501	30302M003	1	3.7	-4.0	23.2	14: 58	--*	98:026	04:323	93:180	12:098	6.81	18.78
QUIN	40433M004	2	7109	40433M002	1	-4.6	12.6	32.0	85:247	***	98:092	10:158	82:363	97:130	12.18	14.36
MDO1	40442M012	1	7080	40442M006	1	5.0	-7.3	21.3	93: 76	***	94:002	04:337	88:043	14:359	10.92	26.87
MDO1	40442M012	1	7080	40442M006	1	-4.0	1.5	-27.7	13: 54	--*	94:002	04:337	88:043	14:359	10.92	26.87
MAUI	40445S008	1	7119	40445M004	1	3.6	2.5	-12.6	6:260	--*	99:001	15:046	06:311	14:354	16.12	8.12
MAUI	40445S008	1	7210	40445M001	3	-0.3	2.4	-1.8	6:260	---	99:001	15:046	94:026	99:216	16.12	5.52
GODE	40451M123	1	7105	40451M105	1	0.0	2.8	-1.9	8: 1	---	94:002	12:220	82:364	15:003	18.60	32.01
GODE	40451M123	1	7105	40451M105	1	0.6	-1.4	-1.5	12:196	---	94:002	12:220	82:364	15:003	18.60	32.01
MONP	40497M004	4	7110	40497M001	1	2.3	-6.4	4.7	99:280	*--	00:083	10:095	83:057	99:289	10.03	16.64
EISL	41703M003	1	7097	41703M002	1	3.9	-36.4	-3.9	1: 46	*--	94:026	03:027	87:329	95:090	9.00	7.35
CONZ	41719M002	3	7405	41719M001	1	4.2	-3.2	7.5	3: 80	--*	05:138	10:058	02:107	10:058	4.78	7.87
CONZ	41719M002	7	7405	41719M001	4	11.1	-20.1	13.1	12:337	***	11:201	15:046	11:072	14:084	3.58	3.03
AREQ	42202M005	3	7403	42202M003	1	0.5	-4.1	4.3	95: 1	---	94:365	96:318	90:184	94:161	1.87	3.94
AREQ	42202M005	7	7403	42202M003	7	-1.2	-11.0	4.0	13: 12	*--	07:227	14:092	14:101	14:345	6.63	0.67
AREQ	42202M005	6	7403	42202M003	5	2.2	8.1	-6.0	7:123	***	01:189	07:228	01:190	07:230	6.11	6.11
YAR2	50107M004	3	7090	50107M001	1	-1.8	1.9	10.9	3:305	--*	02:137	12:099	83:011	15:003	9.90	31.98
YAR2	50107M004	3	7090	50107M001	1	-3.4	2.1	8.6	10:201	--*	02:137	12:099	83:011	15:003	9.90	31.98
STR1	50119M002	6	7825	50119S003	1	-3.4	-2.9	-11.0	9:317	--*	03:311	15:045	04:220	15:003	11.27	10.41
STR1	50119M002	6	7849	50119S001	1	-2.8	-1.4	-17.3	1:209	--*	03:311	15:045	98:190	03:016	11.27	4.52
STR1	50119M002	6	7825	50119S003	1	-0.6	-3.5	-11.8	1:209	--*	03:311	15:045	04:220	15:003	11.27	10.41
THTI	92201M009	3	7124	92201M007	2	-3.7	-4.6	8.8	7:278	--*	04:013	15:046	01:305	14:345	11.09	13.11
THTI	92201M009	3	7822	92201M017	1	-8.6	-10.6	13.0	11:128	***	04:013	15:046	11:176	11:272	11.09	0.26
SVTL	12350M001	3	1888	12350S002	1	1.5	1.2	-0.2	96: 74	---	04:337	08:297	12:036	14:361	3.89	2.89
SMST	21726M001	1	7838	21726S001	1	15.3	-0.9	-0.6	7: 1	*--	07:001	11:071	82:361	04:247	4.19	21.69

GPS DORIS Tie Discrepancies

Id	DOMES	Soln Id	DOMES	Soln	East North		Up	Tie	Epoch	Tie Flg	-----Technique Epochs-----				-----Spans-----	
					mm	mm					mm	Start	End	Start	End	Start
GRAS	10002M006	4 GR3B	10002S018	1	3.1	-7.2	0.5	9:238	---	04:295	15:046	08:300	13:209	10.32	4.75	
TLSE	10003M009	1 TLHA	10003S003	1	4.1	-1.5	-11.5	4: 34	---	01:005	10:055	97:236	07:189	9.14	9.87	
TLSE	10003M009	1 TLSA	10003S001	1	4.0	5.9	-1.9	4: 34	---	01:005	10:055	93:010	97:229	9.14	4.60	
TLSE	10003M009	1 TLSB	10003S005	1	-1.6	-17.1	-8.4	14: 43	---	01:005	10:055	07:182	12:302	9.14	5.33	
REYK	10202M001	4 REYA	10202S001	1	-5.6	-8.0	1.5	4:248	---	03:165	07:263	93:003	98:242	4.27	5.65	
REYK	10202M001	4 REYB	10202S002	3	-2.4	-1.1	-1.6	4:248	---	03:165	07:263	00:177	04:249	4.27	4.20	
REYK	10202M001	4 REZB	10202S003	1	-0.1	-2.6	-1.1	4:248	---	03:165	07:263	04:256	05:079	4.27	0.52	
NYA1	10317M003	2 SPIA	10317S002	1	1.4	-3.5	-9.9	3:228	---	99:154	15:046	93:003	99:080	15.70	6.21	
NYA1	10317M003	2 SPIB	10317S004	1	-0.5	1.4	-3.6	3:228	---	99:154	15:046	99:213	03:229	15.70	4.04	
NYA1	10317M003	2 SPJB	10317S005	1	-1.2	-2.7	-4.7	3:228	---	99:154	15:046	03:228	14:362	15.70	11.37	
METS	10503S011	1 META	10503S013	1	-0.7	-0.5	-10.3	0:299	---	94:002	10:195	93:003	00:303	16.53	7.82	
METS	10503S011	1 METB	10503S015	1	0.8	2.1	-8.0	0:299	---	94:002	10:195	00:317	12:183	16.53	11.63	
METS	10503S011	1 MEUB	10503S016	1	1.2	-1.0	-29.3	12:184	---	94:002	10:195	12:183	14:362	16.53	2.49	
METS	10503S011	1 METB	10503S015	1	-3.5	-0.4	-29.8	12:184	---	94:002	10:195	00:317	12:183	16.53	11.63	
YSSK	12329M003	3 SAKA	12329S001	4	-1.8	0.6	0.8	4:231	---	03:269	06:320	04:025	04:235	3.14	0.57	
YSSK	12329M003	3 SAKB	12329S002	1	-1.7	0.9	2.9	4:231	---	03:269	06:320	04:241	05:324	3.14	1.23	
KIT3	12334M001	1 KITA	12334S004	1	-23.2	7.5	-4.3	1:115	---	94:238	12:291	93:003	96:147	18.15	3.39	
KIT3	12334M001	1 KITB	12334S005	1	-10.5	9.7	2.7	1:115	---	94:238	12:291	96:147	01:119	18.15	4.92	
KIT3	12334M001	1 KIUB	12334S006	1	6.7	6.9	-1.2	1:115	---	94:238	12:291	01:147	13:153	18.15	12.02	
DYNG	12602M006	1 DIOB	12602S012	1	-2.4	-3.1	-5.6	11:131	---	11:133	14:339	06:161	14:362	3.56	8.55	
WUHN	21602M001	6 JIUB	21602S005	1	-10.1	-17.1	-15.5	3:342	---	04:361	11:071	05:065	12:288	6.21	7.61	
WUHN	21602M001	8 JIUB	21602S005	1	-4.5	-10.7	-31.8	12:285	---	11:082	13:311	05:065	12:288	2.63	7.61	
WUHN	21602M001	8 JIVB	21602S006	1	-0.5	5.6	-29.3	12:285	---	11:082	13:311	13:153	14:362	2.63	1.57	
PTAG	22006M005	3 MANB	22006S002	4	-2.5	3.3	2.0	14:339	---	12:244	15:042	12:169	14:362	2.45	2.53	
BAKO	23101M002	8 CICB	23101S002	2	-0.8	-1.1	2.9	0:350	---	02:252	06:199	02:293	06:204	3.85	3.76	
HRAO	30302M004	2 HBKB	30302S006	1	4.0	4.8	0.4	3:214	---	98:026	04:323	00:226	06:267	6.81	6.11	
HRAO	30302M004	2 HBKA	30302S202	1	2.5	-3.6	-2.5	3:214	---	98:026	04:323	93:003	97:145	6.81	4.39	
HRAO	30302M004	2 HBLA	30302S005	1	-2.7	1.2	-15.2	3:214	---	98:026	04:323	97:159	00:226	6.81	3.18	
HARB	30302M009	1 HBMB	30302S008	1	0.9	2.2	1.9	14: 58	---	00:224	11:334	07:063	14:362	11.30	7.82	
PDEL	31906M004	1 PDLB	31906S001	1	12.2	6.1	2.5	1: 79	---	00:108	06:348	99:010	01:231	6.66	2.61	
PDEL	31906M004	1 PDMB	31906S002	1	12.5	4.5	2.5	1: 79	---	00:108	06:348	01:287	07:280	6.66	5.98	
PDEL	31906M004	1 PDMB	31906S002	2	6.7	-10.2	6.5	14:268	---	00:108	06:348	08:160	14:271	6.66	6.30	
NKLG	32809M002	1 LIBA	32809S002	1	14.5	2.0	13.9	99: 36	---	00:089	10:123	93:010	99:038	10.09	6.08	
NKLG	32809M002	1 LIBB	32809S003	1	8.0	4.1	5.0	99: 36	---	00:089	10:123	99:087	05:338	10.09	6.69	
NKLG	32809M002	1 LICB	32809S004	1	-1.7	2.6	1.9	10:125	---	00:089	10:123	05:338	08:216	10.09	2.67	
SEY1	39801M001	5 MAHB	39801S005	1	-4.0	-1.8	-12.8	12:168	---	07:180	11:012	01:189	09:074	3.54	7.69	
SEY1	39801M001	5 MAIB	39801S006	1	-7.9	1.3	12.4	12:168	---	07:180	11:012	13:055	14:362	3.54	1.84	

STJO	40101M001	6	STJB	40101S002	1	0.3	10.6	1.1	99:269	**-	00:148	13:031	99:276	13:118	12.68	13.57
STJO	40101M001	6	STJB	40101S002	1	-1.0	4.2	1.4	13:190	---	00:148	13:031	99:276	13:118	12.68	13.57
STJO	40101M001	6	STKB	40101S003	1	-4.7	9.5	-1.9	13:190	**-	00:148	13:031	13:265	14:362	12.68	1.27
YELL	40127M003	3	YELB	40127S008	1	3.6	-4.5	-2.6	1:285	---	96:235	13:199	01:301	07:140	16.90	5.56
YELL	40127M003	3	YEMB	40127S009	1	2.7	-2.7	-0.1	1:285	---	96:235	13:199	07:202	14:362	16.90	7.44
YELL	40127M003	3	YEMB	40127S009	1	-1.0	-0.6	1.1	13:198	---	96:235	13:199	07:202	14:362	16.90	7.44
FAIR	40408M001	2	FAIB	40408S005	1	10.2	-4.4	-14.3	1:274	***	96:108	02:308	00:009	02:314	6.55	2.84
KOKB	40424M004	4	KOLB	40424S009	1	-14.1	-28.7	-0.2	2:319	***	04:148	15:046	02:342	14:362	10.72	12.05
KOKB	40424M004	4	KOKA	40424S008	1	-10.9	-29.3	7.3	2:319	***	04:148	15:046	93:003	02:321	10.72	9.87
KOKB	40424M004	4	KOLB	40424S009	1	3.7	-2.4	5.3	14: 81	---	04:148	15:046	02:342	14:362	10.72	12.05
GODE	40451M123	1	GREB	40451S176	1	5.4	-5.8	-10.8	8: 1	***	94:002	12:220	00:191	12:134	18.60	11.84
GODE	40451M123	1	GRFB	40451S178	1	1.7	-3.6	-5.3	12:196	---	94:002	12:220	12:148	14:362	18.60	2.59
MONP	40497M004	4	MONB	40497S008	1	2.5	6.5	4.0	5:335	**-	00:083	10:095	05:344	07:350	10.03	2.02
MONP	40497M004	4	MOOB	40497S009	1	1.8	7.1	4.6	5:335	**-	00:083	10:095	07:357	10:038	10.03	2.13
RIOG	41507M004	3	RIOA	41507S003	1	-8.5	3.5	-3.5	1: 15	---	99:338	07:033	93:003	95:022	7.16	2.05
RIOG	41507M004	3	RIOB	41507S004	2	-4.0	13.4	-10.0	1: 15	---	99:338	07:033	98:081	01:014	7.16	2.82
RIOG	41507M004	3	RIPB	41507S005	1	0.8	-4.4	3.8	1: 15	---	99:338	07:033	01:070	08:111	7.16	7.11
RIO2	41507M006	2	RIRB	41507S007	1	-5.3	17.5	-1.1	14:142	***	12:284	15:046	12:106	14:362	2.35	2.70
EISL	41703M003	1	EASB	41703S009	1	5.9	2.4	-3.9	1: 46	---	94:026	03:027	01:238	08:202	9.00	6.90
EISL	41703M003	1	EASA	41703S008	1	-2.6	13.8	-22.3	1: 46	---	94:026	03:027	93:003	01:014	9.00	8.03
SANT	41705M003	2	SAOB	41705S008	1	0.8	0.7	1.5	96:339	---	96:199	10:058	97:012	00:338	13.61	3.89
SANT	41705M003	2	SANB	41705S009	1	0.0	1.5	1.6	96:339	---	96:199	10:058	01:189	06:008	13.61	4.50
GLPS	42005M002	1	SCRB	42005S001	1	-0.2	1.6	3.1	5: 92	---	03:006	08:057	05:092	09:158	5.14	4.18
AREQ	42202M005	7	ARFB	42202S007	2	15.4	12.2	33.8	13: 12	***	07:227	14:092	07:230	14:096	6.63	6.63
AREQ	42202M005	6	ARFB	42202S007	1	0.1	14.2	-1.8	7:123	**-	01:189	07:228	06:232	07:231	6.11	1.00
YAR2	50107M004	3	YARB	50107S010	1	2.7	15.0	13.7	3:305	---	02:137	12:099	99:311	03:334	9.90	4.06
YAR2	50107M004	3	YASB	50107S011	1	-4.2	11.4	16.3	3:305	---	02:137	12:099	03:334	14:362	9.90	11.08
YAR2	50107M004	3	YASB	50107S011	1	-2.0	9.5	12.4	10:201	---	02:137	12:099	03:334	14:362	9.90	11.08
STR1	50119M002	6	MSPB	50119S004	1	-4.4	6.6	-4.8	9:317	**-	03:311	15:045	04:102	14:362	11.27	10.71
STR1	50119M002	6	MSOB	50119S002	1	-6.7	7.9	-8.1	1:209	***	03:311	15:045	99:066	03:019	11.27	3.87
STR1	50119M002	6	MSPB	50119S004	1	-9.0	5.3	-9.1	1:209	***	03:311	15:045	04:102	14:362	11.27	10.71
CHAT	50207M001	2	CHAB	50207S001	1	-4.4	-1.0	3.6	99: 56	---	01:333	12:066	99:066	06:218	10.27	7.42
GUAM	50501M002	1	GUAB	50501S001	1	6.2	0.0	23.6	93:346	***	95:019	02:116	94:163	00:226	7.27	6.17
SYOG	66006S002	2	SYOB	66006S001	1	-5.9	7.0	-39.6	0: 1	***	99:299	07:026	93:115	98:116	7.25	5.00
SYOG	66006S002	2	SYPB	66006S003	1	5.0	8.1	-6.0	0: 1	***	99:299	07:026	99:101	08:195	7.25	9.26
ROTH	66007M003	1	ROTB	66007S002	1	6.3	10.2	-34.1	11: 33	***	10:037	15:045	05:085	07:189	5.02	2.28
ROTH	66007M003	1	ROUB	66007S003	1	3.4	9.3	-27.3	11: 33	---	10:037	15:045	07:315	11:038	5.02	3.24
ROTH	66007M003	1	ROVB	66007S004	1	2.3	4.8	-4.9	11: 33	---	10:037	15:045	11:100	14:341	5.02	3.66

KERG	91201M002	2	KERB	91201S003	1	-5.9	-4.3	-5.2	7:101	*--	99:092	08:211	94:324	01:084	9.33	6.34
KERG	91201M002	2	KESB	91201S004	1	4.7	1.0	6.9	7:101	---	99:092	08:211	01:119	04:039	9.33	2.78
KERG	91201M002	2	KETB	91201S005	1	5.5	12.7	8.3	7:101	***	99:092	08:211	07:112	14:348	9.33	7.65
KERG	91201M002	2	KETB	91201S005	1	6.4	-6.9	4.0	12: 89	***	99:092	08:211	07:112	14:348	9.33	7.65
DUM1	91501M001	4	ADEA	91501S001	1	-6.6	-6.9	5.4	8: 39	***	98:084	15:046	93:003	98:088	16.90	5.23
DUM1	91501M001	4	ADEB	91501S002	1	-6.0	0.9	6.8	8: 39	*--	98:084	15:046	04:081	08:041	16.90	3.89
DUM1	91501M001	4	ADFB	91501S003	1	-2.7	-2.9	9.0	8: 39	---	98:084	15:046	08:055	10:248	16.90	2.53
THTI	92201M009	3	PAPB	92201S007	1	-2.9	-12.7	9.7	7:278	---	04:013	15:046	95:218	98:102	11.09	2.68
THTI	92201M009	3	PAQB	92201S008	1	-3.5	1.6	15.8	7:278	---	04:013	15:046	98:270	07:280	11.09	9.03
THTI	92201M009	3	PATB	92201S010	1	-2.7	-6.5	20.3	7:278	---	04:013	15:046	07:301	14:362	11.09	7.17
THTI	92201M009	3	PATB	92201S010	1	-1.9	-0.9	19.8	11:128	---	04:013	15:046	07:301	14:362	11.09	7.17
GAMB	92301M003	1	RILB	92301S003	1	-3.5	8.2	32.2	11:218	---	00:099	10:276	09:088	11:100	10.48	2.03
GAMB	92301M003	1	RIMB	92301S004	1	-2.3	7.5	32.4	11:218	---	00:099	10:276	11:233	14:362	10.48	3.35
NOUM	92701M003	4	NOUB	92701S002	1	1.6	9.8	5.5	5:236	---	03:361	07:080	02:083	02:286	3.23	0.56
NOUM	92701M003	4	NOWB	92701S003	1	0.6	24.7	28.8	5:236	---	03:361	07:080	05:247	11:121	3.23	5.66
NOUM	92701M003	4	NOUA	92701S001	1	1.9	17.2	2.3	5:236	---	03:361	07:080	93:010	00:191	3.23	7.50
FTNA	92902S002	1	FUUB	92902S003	1	17.2	-14.8	4.1	12:139	---	98:268	05:346	12:253	14:285	7.21	2.09
FTNA	92902S002	1	FUTB	92902S001	1	-1.8	1.0	12.8	12:139	---	98:268	05:346	01:028	08:356	7.21	7.90
KOUG	97301M402	2	KRWB	97301S006	1	-4.6	-20.1	23.1	11: 56	---	13:099	15:045	11:142	14:362	1.85	3.60
KOUG	97301M402	2	KRUB	97301S004	1	-3.9	0.4	9.3	11: 56	---	13:099	15:045	93:003	07:308	1.85	14.84
REUN	97401M003	2	REUA	97401S001	1	-6.9	8.9	-5.2	3:335	---	03:147	08:338	93:003	98:347	5.52	5.94
REUN	97401M003	2	REUB	97401S002	2	-1.9	6.2	0.9	3:335	---	03:147	08:338	02:013	14:362	5.52	12.96
MALD	22901S001	2	MALB	22901S002	1	5.0	-12.5	-6.7	5: 14	---	00:150	04:361	05:198	14:362	4.58	9.45
KSTU	12349M002	4	KRAB	12349S001	2	-1.8	5.2	5.3	0: 1	---	01:026	04:264	99:136	05:142	3.65	6.02
CHPI	41609M003	1	CACB	41609S001	1	-17.5	2.1	-31.7	4: 85	---	03:128	10:059	93:318	03:075	6.81	9.33
CHPI	41609M003	1	CADB	41609S002	1	-4.5	12.7	-70.9	4: 85	---	03:128	10:059	04:102	08:216	6.81	4.31
AOML	49914S001	1	MIAB	49914S003	1	4.6	2.6	-0.9	5: 36	---	97:324	03:221	05:043	14:362	5.72	9.87
THU3	43001M002	2	THUB	43001S005	2	22.8	3.5	-16.0	2:257	---	04:276	11:279	07:006	11:184	7.01	4.49

SLR VLBI Tie Discrepancies

Id	DOMES	Soln	Id	DOMES	Soln	East	North	Up	Tie	-----Technique Epochs-----				-----Spans-----		
										mm	mm	mm	Epoch	Flg	Start	End
7605	10002M003	1	7845	10002S002	1	-1.5	-1.4	-3.8	9:238	---	89:255	89:258	97:327	14:358	0.01	17.08
7601	10503M002	1	7806	10503S014	1	-3.9	-7.1	-5.4	0:299	---	89:186	89:193	98:064	04:338	0.02	6.75
7243	12734S005	1	7541	12734M004	1	1.3	1.8	-0.3	4:300	---	90:277	14:364	86:010	94:168	24.24	8.43
7243	12734S005	1	7941	12734S008	1	2.8	5.0	1.9	4:300	---	90:277	14:364	01:184	14:361	24.24	13.48
7224	14201S004	1	8834	14201S018	1	3.7	7.1	16.7	12:153	---	83:355	14:364	91:014	00:343	31.02	9.90
7227	21605S009	1	7837	21605S001	2	3.9	6.1	-7.5	3:332	---	88:100	11:053	95:304	05:104	22.87	9.45

7232	30302S001	1	7501	30302M003	1	-0.8	3.3	6.7	3:214	--*	86:009	14:329	93:180	12:098	28.88	18.78
7232	30302S001	1	7501	30302M003	1	1.4	8.2	7.0	14: 58	***	86:009	14:329	93:180	12:098	28.88	18.78
QUIN	40433M004	2	7109	40433M002	1	-4.6	12.6	32.0	85:247	***	98:092	10:158	82:363	97:130	12.18	14.36
7613	40442S017	1	7080	40442M006	1	3.8	-0.6	11.6	93: 76	--*	92:013	14:338	88:043	14:359	22.89	26.87
7613	40442S017	1	7080	40442M006	1	-5.7	-2.4	-16.2	13: 54	***	92:013	14:338	88:043	14:359	22.89	26.87
7219	40499S001	1	7295	40499M002	1	-9.9	13.1	14.5	93: 4	***	84:004	92:234	88:090	95:110	8.63	7.05
7640	41719S001	1	7405	41719M001	1	-0.3	-1.3	0.6	3: 80	---	02:133	10:057	02:107	10:058	7.79	7.87
7640	41719S001	4	7405	41719M001	4	11.3	-17.6	-0.4	12:337	**	11:045	14:150	11:072	14:084	3.29	3.03
7376	50107S012	1	7090	50107M001	1	4.7	3.6	36.1	10:201	--*	11:146	14:353	83:011	15:003	3.57	31.98

VLBI VLBI Tie Discrepancies

Id	DOMES	Soln	Id	DOMES	Soln	East	North	Up	Tie	-----Technique	Epochs-----	-----Spans-----				
						mm	mm	mm	Epoch	Flg	Start	End	Start	End		
7232	30302S001	1	7378	30302S009	1	-5.2	5.5	-0.1	14: 58	***	86:009	14:329	12:285	14:357	28.88	2.20
7285	40127M001	1	7296	40127M004	1	0.0	-1.7	-10.2	1:285	--*	84:237	85:249	91:181	06:215	1.03	15.09
1311	40424S001	1	7298	40424S007	1	1.4	-0.3	2.1	2:319	---	84:189	94:074	93:159	14:353	9.69	21.53
7205	40440S002	1	7209	40440S003	1	-7.6	-4.1	7.9	96:278	***	79:215	92:182	81:133	14:247	12.91	33.31
7242	50116S002	1	7374	50116S007	1	3.8	3.1	0.4	9:330	---	89:269	14:234	10:280	14:353	24.90	4.20

DORIS DORIS Tie Discrepancies

Id	DOMES	Soln	Id	DOMES	Soln	East	North	Up	Tie	-----Technique	Epochs-----	-----Spans-----				
						mm	mm	mm	Epoch	Flg	Start	End	Start	End		
TLSA	10003S001	1	TLHA	10003S003	1	0.0	-7.4	-9.7	4: 34	***	93:010	97:229	97:236	07:189	4.60	9.87
REYA	10202S001	1	REYB	10202S002	3	3.2	6.9	-3.2	4:248	*--	93:003	98:242	00:177	04:249	5.65	4.20
REYA	10202S001	1	REZB	10202S003	1	5.6	5.4	-2.6	4:248	***	93:003	98:242	04:256	05:079	5.65	0.52
SPIA	10317S002	1	SPIB	10317S004	1	-1.9	4.9	6.3	3:228	--*	93:003	99:080	99:213	03:229	6.21	4.04
SPIA	10317S002	1	SPJB	10317S005	1	-2.5	0.7	5.2	3:228	***	93:003	99:080	03:228	14:362	6.21	11.37
META	10503S013	1	METB	10503S015	1	1.5	2.6	2.3	0:299	---	93:003	00:303	00:317	12:183	7.82	11.63
METB	10503S015	1	MEUB	10503S016	1	4.7	-0.7	0.5	12:184	---	00:317	12:183	12:183	14:362	11.63	2.49
SAKA	12329S001	4	SAKB	12329S002	1	0.1	0.3	2.2	4:231	---	04:025	04:235	04:241	05:324	0.57	1.23
KITA	12334S004	1	KITB	12334S005	1	12.7	2.2	7.1	1:115	***	93:003	96:147	96:147	01:119	3.39	4.92
KITA	12334S004	1	KIUB	12334S006	1	30.0	-0.6	3.2	1:115	***	93:003	96:147	01:147	13:153	3.39	12.02
BADA	12338S001	1	BADB	12338S002	1	0.6	-1.8	-0.8	4:224	---	93:003	02:223	04:234	14:362	9.60	10.35
DIOA	12602S011	1	DIOB	12602S012	1	0.1	3.6	1.2	6:136	---	94:093	05:268	06:161	14:362	11.48	8.55
JIUB	21602S005	1	JIVB	21602S006	1	4.0	16.3	2.5	12:285	*--	05:065	12:288	13:153	14:362	7.61	1.57

MANA	22006S001	1	MANB	22006S002	1	0.1	-1.9	-0.8	3: 54	---	93:045	03:019	03:089	04:193	9.93	1.28
HBKA	30302S202	1	HBKB	30302S006	1	1.5	8.5	2.9	3:214	---	93:003	97:145	00:226	06:267	4.39	6.11
HBKA	30302S202	1	HBLA	30302S005	1	-5.2	4.9	-12.7	3:214	---	93:003	97:145	97:159	00:226	4.39	3.18
ASDB	30602S004	1	ASEB	30602S005	1	1.0	-2.3	11.2	10:164	---	99:101	09:095	10:220	14:362	9.98	4.39
TRIA	30604S001	2	TRIB	30604S002	1	2.8	-14.0	-15.2	2: 23	---	99:199	01:147	02:048	04:235	1.86	2.51
TRIB	30604S002	3	TRJB	30604S003	1	-0.3	-2.1	1.0	12:164	---	09:235	10:024	13:055	14:362	0.42	1.84
HELA	30606S002	1	HELB	30606S003	1	12.7	15.8	-5.6	3: 80	---	93:003	97:103	98:116	00:037	4.27	1.78
HELA	30606S002	1	HEMB	30606S004	1	11.4	20.6	-3.3	3: 80	---	93:003	97:103	03:081	08:216	4.27	5.37
PDLB	31906S001	1	PDMB	31906S002	1	0.3	-1.6	-0.1	1: 79	---	99:010	01:231	01:287	07:280	2.61	5.98
LIBA	32809S002	1	LIBB	32809S003	1	-6.4	2.1	-8.9	99: 36	---	93:010	99:038	99:087	05:338	6.08	6.69
MAHB	39801S005	1	MAIB	39801S006	1	-3.9	3.1	25.2	12:168	---	01:189	09:074	13:055	14:362	7.69	1.84
STJB	40101S002	1	STKB	40101S003	1	-3.7	5.2	-3.4	13:190	---	99:276	13:118	13:265	14:362	13.57	1.27
YELB	40127S008	1	YEMB	40127S009	1	-0.8	1.7	2.4	1:285	---	01:301	07:140	07:202	14:362	5.56	7.44
KOKA	40424S008	1	KOLB	40424S009	1	-3.2	0.6	-7.5	2:319	---	93:003	02:321	02:342	14:362	9.87	12.05
MONB	40497S008	1	MOOB	40497S009	1	-0.7	0.6	0.6	5:335	---	05:344	07:350	07:357	10:038	2.02	2.13
RIOA	41507S003	1	RIOB	41507S004	2	4.5	9.9	-6.5	1: 15	---	93:003	95:022	98:081	01:014	2.05	2.82
RIOA	41507S003	1	RIPB	41507S005	1	9.3	-7.9	7.3	1: 15	---	93:003	95:022	01:070	08:111	2.05	7.11
EASA	41703S008	1	EASB	41703S009	1	8.5	-11.4	18.4	1: 46	---	93:003	01:014	01:238	08:202	8.03	6.90
SAOB	41705S008	1	SANB	41705S009	1	-0.8	0.8	0.1	96:339	---	97:012	00:338	01:189	06:008	3.89	4.50
YARB	50107S010	1	YASB	50107S011	1	-7.0	-3.7	2.6	3:305	---	99:311	03:334	03:334	14:362	4.06	11.08
MSOB	50119S002	1	MSPB	50119S004	1	-2.3	-2.6	-1.0	1:209	---	99:066	03:019	04:102	14:362	3.87	10.71
MORA	51001S001	1	MORB	51001S002	1	-5.3	5.3	5.7	2: 79	---	93:003	02:076	02:111	10:010	9.20	7.72
SYOB	66006S001	1	SYPB	66006S003	1	10.9	1.1	33.6	0: 1	---	93:115	98:116	99:101	08:195	5.00	9.26
ROTA	66007S001	1	ROTB	66007S002	1	-0.6	0.1	0.0	5: 54	---	93:003	97:047	05:085	07:189	4.12	2.28
ROTB	66007S002	1	ROUB	66007S003	1	-2.9	-1.0	6.8	11: 33	---	05:085	07:189	07:315	11:038	2.28	3.24
ROTB	66007S002	1	ROVB	66007S004	1	-4.0	-5.4	29.2	11: 33	---	05:085	07:189	11:100	14:341	2.28	3.66
KERB	91201S003	1	KESB	91201S004	1	10.6	5.3	12.1	7:101	---	94:324	01:084	01:119	04:039	6.34	2.78
KERB	91201S003	1	KETB	91201S005	1	11.4	16.9	13.5	7:101	---	94:324	01:084	07:112	14:348	6.34	7.65
CROB	91301S001	1	CRPB	91301S002	1	0.4	0.7	0.2	7: 96	---	04:045	07:098	07:090	09:088	3.15	1.99
AMSA	91401S001	1	AMTB	91401S003	1	5.5	8.6	7.0	3:326	---	93:010	96:007	01:112	05:254	2.99	4.39
AMTB	91401S003	1	AMUB	91401S004	1	1.7	-0.5	-3.9	7:108	---	01:112	05:254	07:147	09:102	4.39	1.88

ADEA	91501S001	1	ADEB	91501S002	1	0.6	7.4	3.3	2:104	**-	93:003	98:088	04:081	08:041	5.23	3.89
ADEA	91501S001	1	ADEB	91501S002	1	0.6	7.7	1.4	8:39	**-	93:003	98:088	04:081	08:041	5.23	3.89
ADEA	91501S001	1	ADFB	91501S003	1	3.9	4.0	3.5	8:39	---	93:003	98:088	08:055	10:248	5.23	2.53
PAPB	92201S007	1	PAQB	92201S008	1	-0.6	14.2	6.0	7:278	***	95:218	98:102	98:270	07:280	2.68	9.03
PAPB	92201S007	1	PATB	92201S010	1	0.2	6.2	10.5	7:278	***	95:218	98:102	07:301	14:362	2.68	7.17
RILB	92301S003	1	RIMB	92301S004	1	1.2	-0.7	0.2	11:218	---	09:088	11:100	11:233	14:362	2.03	3.35
NOUA	92701S001	1	NOUB	92701S002	1	-0.4	-7.3	3.2	5:236	**-	93:010	00:191	02:083	02:286	7.50	0.56
NOUA	92701S001	1	NOWB	92701S003	1	-1.3	7.5	26.5	5:236	***	93:010	00:191	05:247	11:121	7.50	5.66
FUTB	92902S001	1	FUUB	92902S003	1	18.9	-15.8	-8.7	12:139	***	01:028	08:356	12:253	14:285	7.90	2.09
KRUB	97301S004	1	KRWB	97301S006	1	-0.7	-20.5	13.8	11:56	***	93:003	07:308	11:142	14:362	14.84	3.60
REUA	97401S001	1	REUB	97401S002	2	5.0	-2.7	6.1	3:335	**-	93:003	98:347	02:013	14:362	5.94	12.96
DJIA	39901S002	1	DJIB	39901S003	1	0.1	0.9	-0.6	6:178	---	93:010	98:333	06:204	14:362	5.88	8.43
DJIA	39901S002	1	DJIB	39901S003	1	0.2	0.8	-0.7	0:183	---	93:010	98:333	06:204	14:362	5.88	8.43
CACB	41609S001	1	CADB	41609S002	1	13.0	10.6	-39.2	4:85	***	93:318	03:075	04:102	08:216	9.33	4.31
BELB	66018S001	1	BEMB	66018S002	1	-0.5	0.3	-0.7	5:42	---	04:066	04:130	05:127	14:362	0.18	9.64
