Table 1.a Numerical Development of the coordinates X(t), Y(t) of the CEP in the ICRS consistent with the IERS 1996 Conventions and the IERS Annual report for 1997 (unit μas)

N°	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
1	0	0	0	0	1	-6798.38	-6844263	-3311	2033	1450	205836	82	9205359	854	-2301	1553	153041	121
2	0	0	2	-2	2	182.62	-523878	202	156	-557	12814	-3	573058	-294	-143	-464	11714	-1
3	0	0	2	0	2	13.66	-90583	41	27	107	2188	0	97865	-50	-24	136	2025	0
4	0	0	0	0	2	-3399.18	82158	-35	-25	-28	-2007	0	-89616	48	22	-29	-1845	0
5	0	-1	0	0	0	-365.26	-58687	180	17	446	165	0	7388	-29	-2	198	1312	-4
6	0	1	2	-2	2	121.75	-20560	59	6	-21	502	-1	22440	-68	-6	-18	460	-1
7	1	0	0	0	0	27.55	28289	-11	-8	-37	-15	0	-687	1	0	39	-633	0
8	0	0	2	0	1	13.63	-15416	-6	5	14	449	0	20073	2	-5	32	345	0
9	1	0	2	0	2	9.13	-11988	5	4	31	288	0	12896	-7	-3	35	268	0
0	0	-1	2	-2	2	365.22	8585	-24	-3	2	-214	1	-9591	30	2	12	-192	0
11	0	0	2	-2	1	177.84	5094	3	-2	7	-154	0	-6917	-1	2	4	-114	0
12	-1	0	2	0	2	27.09	4914	-2	-1	1	-119	0	-5334	3	1	0	-110	0
13	-1	0	0	2	0	31.81	6245	-3	-2	-7	-3	0	-127	0	0	9	-140	0
14	1	0	0	0	1	27.67	2513	1	-1	1	-74	0	-3324	0	1	-1	-56	0
15	-1	0	0	0	1	-27.44	-2307	-1	1	-8	70	0	3142	0	-1	-8	52	0
16	-1	0	2	2	2	9.56	-2373	1	1	6	57	0	2554	-1	-1	7	53	0
17	1	0	2	0	1	9.12	-2054	0	1	5	59	0	2635	0	-1	8	46	0
18	-2	0	2	0	1	1305.48	1826	1	-1	0	-54	0	-2424	-1	1	1	-41	0
19	0	0	0	2	0	14.77	2520	-1	-1	-6	-3	0	-125	0	0	3	-56	0
20	0	0	2	2	2	7.10	-1533	1	0	6	37	0	1643	0	0	6	34	0
21	-2	0	0	2	0	-205.89	-1899	1	1	-1	1	0	48	0	0	-3	42	0
22	2	0	2	0	2	6.86	-1234	1	0	5	30	0	1323	-1	0	5	28	0
23	1	0	2	-2	2	23.94	1139	-1	0	0	-28	0	-1235	1	0	0	-25	0
24	-1	0	2	0	1	26.98	813	0	0	0	-24	0	-1076	0	0	0	-18	0
25	2	0	0	0	0	13.78	1163	-1	0	-3	-1	0	-62	0	0	1	-26	0
26	0	0	2	0	0	13.61	1028	-1	0	-3	-1	0	-57	0	0	1	-23	0
27	0	1	0	0	1	386.00	-557	-1	0	3	19	0	855	0	0	-4	13	0
28	-1	0	0	2	1	31.96	603	0	0	0	-18	0	-801	0	0	0	-13	0
29	0	2	2	-2	2	91.31	-628	3	0	-1	15	0	685	-4	0	-1	14	0
30	0	0	-2	2	0	-173.31	866	0	0	0	0	0	-15	0	0	1	-19	0
31	1	0	0	-2	1	-31.66	-512	0	0	-2	16	0	694	0	0	-2	11	0
32	0	-1	0	0	1	-346.64	-508	1	0	2	14	0	644	1	0	2	11	0
33	-1	0	2	2	1	9.54	-407	0	0	1	12	0	522	0	0	1	9	0
34	0	-2	0	0	0	-182.63	-665	4	0	0	0	0	14	0	0	-1	15	0
35	1	0	2	2	2	5.64	-305	0	0	2	7	0	325	0	0	2	7	0
36	-2	0	2	0	0	1095.18	-438	0	0	0	0	0	10	0	0	0	10	0
37	0	1	2	0	2	13.17	301	-1	0	0	-7	0	-326	-2	0	0	-7	0
38	0	0	2	2	1	7.09	-264	0	0	1	7	0	335	-1	0	1	6	0
39	0	-1	2	0	2	14.19	-284	1	0	0	7	0	307	2	0	0	6	0

$N°$	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
40	0	0	0	2	1	14.80	-251	0	0	0	7	0	327	0	0	0	6	0
41	1	0	2	-2	1	23.86	231	0	0	0	-7	0	-307	0	0	0	-5	0
42	2	0	2	-2	2	12.81	256	0	0	0	-6	0	-277	0	0	0	-6	0
43	-2	0	0	2	1	-199.84	-230	0	0	0	7	0	304	0	0	0	5	0
44	2	0	2	0	1	6.85	-212	0	0	1	6	0	269	0	0	1	5	0
45	0	-1	2	-2	1	346.60	-190	0	0	0	6	0	271	-1	0	0	4	0
46	0	0	0	-2	1	-14.73	-196	0	0	-1	6	0	272	0	0	-1	4	0
47	-1	-1	0	2	0	34.85	292	0	0	0	0	0	-5	0	0	0	-7	0
48	2	0	0	-2	1	212.32	161	0	0	0	-5	0	-220	0	0	0	-4	0
49	1	0	0	2	0	9.61	261	0	0	-1	0	0	-20	0	0	0	-6	0
50	0	1	2	-2	1	119.61	143	0	0	0	-4	0	-195	0	0	0	-3	0
51	1	-1	0	0	0	29.80	187	0	0	0	0	0	-4	0	0	0	-4	0
52	-2	0	2	0	2	1615.76	-124	0	0	0	3	0	131	0	0	0	3	0
53	3	0	2	0	2	5.49	-115	0	0	1	3	0	124	0	0	1	3	0
54	0	-1	0	2	0	15.39	173	0	0	0	0	0	-9	0	0	0	-4	0
55	1	-1	2	0	2	9.37	-114	0	0	0	3	0	123	0	0	0	3	0
56	-1	-1	2	2	2	9.81	-112	0	0	0	3	0	122	0	0	0	3	0
57	0	0	0	1	0	29.53	-168	0	0	0	0	0	3	0	0	0	4	0
58	-1	0	2	0	0	26.88	-161	0	0	0	0	0	4	0	0	0	4	0
59	0	-1	2	2	2	7.24	-105	0	0	0	3	0	114	0	0	0	2	0
60	-2	0	0	0	1	-13.75	-91	0	0	0	3	0	126	0	0	0	2	0
61	1	1	2	0	2	8.91	98	0	0	0	-2	0	-106	0	0	0	-2	0
62	2	0	0	0	1	13.81	87	0	0	0	-3	0	-114	0	0	0	-2	0
63	-1	1	0	1	0	3232.87	130	0	0	0	0	0	-1	0	0	0	-3	0
64	1	1	0	0	0	25.62	-134	0	0	0	0	0	4	0	0	0	3	0
65	1	0	2	0	0	9.11	133	0	0	0	0	0	-11	0	0	0	-3	0
66	-1	0	2	-2	1	-32.61	-79	0	0	0	2	0	107	0	0	0	2	0
67	1	0	0	0	2	27.78	-78	0	0	0	2	0	85	0	0	0	2	0
68	-1	0	0	1	0	-411.78	161	0	0	-14	-1	0	-55	0	0	-14	-4	0
69	0	0	2	1	2	9.34	66	0	0	0	-2	0	-72	0	0	0	-1	0
70	-1	0	2	4	2	5.80	-60	0	0	0	1	0	66	0	0	0	1	0
71	0	-2	2	-2	1	6786.31	-52	0	0	0	2	0	69	0	0	0	1	0
72	-1	1	0	1	1	6164.17	53	0	0	0	-2	0	-68	0	0	0	-1	0
73	1	0	2	2	1	5.64	-53	0	0	0	1	0	66	0	0	0	1	0
74	-2	0	2	2	2	14.63	55	0	0	0	-1	0	-60	0	0	0	-1	0
75	-1	0	0	0	2	-27.33	55	0	0	0	-1	0	-60	0	0	0	-1	0
76	1	1	2	-2	2	22.47	51	0	0	0	-1	0	-55	0	0	0	-1	0
77	-2	0	2	4	2	7.35	-48	0	0	0	1	0	52	0	0	0	1	0
78	-1	0	4	0	2	9.06	46	0	0	0	-1	0	-49	0	0	0	-1	0
79	2	0	2	-2	1	12.79	40	0	0	0	-1	0	-54	0	0	0	-1	0

$N°$	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
80	2	0	2	2	2	4.68	-43	0	0	0	1	0	47	0	0	0	1	0
81	1	0	0	2	1	9.63	-38	0	0	0	1	0	49	0	0	0	1	0
82	3	0	0	0	0	9.18	62	0	0	0	0	0	-5	0	0	0	-1	0
83	3	0	2	-2	2	8.75	37	0	0	0	-1	0	-40	0	0	0	-1	0
84	0	0	4	-2	2	12.66	36	0	0	0	-1	0	-39	0	0	0	-1	0
85	0	0	-2	2	1	-169.00	35	0	0	0	-1	0	-44	0	0	0	-1	0
86	0	1	2	0	1	13.14	32	0	0	0	-1	0	-42	0	0	0	-1	0
87	0	0	2	-2	3	187.66	0	0	0	0	0	0	0	0	0	0	-1	0
88	-1	0	0	4	0	10.08	53	0	0	0	0	0	-4	0	0	0	-1	0
89	2	0	-2	0	1	-943.23	28	0	0	0	-1	0	-38	0	0	0	-1	0
90	2	0	0	-4	0	-15.91	-51	0	0	0	0	0	1	0	0	0	1	0
91	-1	-1	0	2	1	35.03	30	0	0	0	-1	0	-39	0	0	0	-1	0
92	-2	-1	0	2	0	-131.67	-46	0	0	0	0	0	1	0	0	0	1	0
93	0	-1	2	0	1	14.16	-26	0	0	0	1	0	35	0	0	0	1	0
94	-1	0	0	1	1	-388.27	40	0	0	-1	-1	0	-49	0	0	-1	-1	0
95	0	0	-2	0	1	-13.58	-27	0	0	0	1	0	36	0	0	0	1	0
96	0	1	0	0	2	409.23	27	0	0	0	-1	0	-33	0	0	0	-1	0
97	0	0	2	-1	2	25.42	-29	0	0	0	1	0	31	0	0	0	1	0
98	0	0	2	4	2	4.79	-27	0	0	0	1	0	29	0	0	0	1	0
99	1	1	0	-2	1	-34.67	-24	0	0	0	1	0	32	0	0	0	1	0
100	-1	1	0	2	0	29.26	-37	0	0	0	0	0	0	0	0	0	1	0
101	1	-1	2	2	2	5.73	-23	0	0	0	1	0	25	0	0	0	1	0
102	1	-1	0	0	1	29.93	20	0	0	0	-1	0	-27	0	0	0	0	0
103	0	1	-2	2	0	-329.79	-36	0	0	0	0	0	3	0	0	0	1	0
104	3	0	2	0	1	5.49	-20	0	0	0	1	0	25	0	0	0	0	0
105	-1	1	2	2	2	9.31	22	0	0	0	-1	0	-24	0	0	0	0	0
106	0	1	2	2	2	6.96	21	0	0	0	0	0	-22	0	0	0	0	0
107	-1	0	0	-2	1	-9.60	-20	0	0	0	1	0	27	0	0	0	0	0
108	-1	1	0	1	2	66079.30	-21	0	0	0	1	0	23	0	0	0	0	0
109	0	-1	2	2	1	7.23	-18	0	0	0	1	0	24	0	0	0	0	0
110	1	0	2	-4	1	-38.74	-19	0	0	0	1	0	24	0	0	0	0	0
111	-1	0	-2	2	0	-23.77	31	0	0	0	0	0	0	0	0	0	-1	0
112	-1	-1	2	2	1	9.80	-18	0	0	0	1	0	24	0	0	0	0	0
113	0	-1	0	0	2	-329.82	23	0	0	0	-1	0	-25	0	0	0	-1	0
114	2	-1	2	0	2	6.99	-19	0	0	0	0	0	21	0	0	0	0	0
115	1	-1	2	0	1	9.35	-17	0	0	0	0	0	22	0	0	0	0	0
116	0	0	0	2	2	14.83	-18	0	0	0	0	0	20	0	0	0	0	0
117	0	1	0	2	0	14.19	-27	0	0	0	0	0	0	0	0	0	1	0
118	-1	1	2	0	2	25.22	19	0	0	0	0	0	-20	0	0	0	0	0
119	0	3	2	-2	2	73.05	-18	0	0	0	0	0	19	0	0	0	0	0

$N°$	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
120	0	-1	-2	2	0	-117.54	26	0	0	0	0	0	0	0	0	0	-1	0
121	0	0	0	1	1	29.66	-15	0	0	0	0	0	20	0	0	0	0	0
122	1	0	-2	-2	0	-9.53	-25	0	0	0	0	0	1	0	0	0	1	0
123	1	1	2	0	1	8.90	14	0	0	0	0	0	-18	0	0	0	0	0
124	2	1	2	0	2	6.73	16	0	0	0	0	0	-17	0	0	0	0	0
125	0	1	0	1	0	27.32	23	0	0	0	0	0	0	0	0	0	-1	0
126	1	0	-2	2	0	32.76	-23	0	0	0	0	0	0	0	0	0	1	0
127	1	1	0	0	1	25.72	-14	0	0	0	0	0	19	0	0	0	0	0
128	-2	0	0	-2	0	-7.13	-23	0	0	0	0	0	1	0	0	0	1	0
129	-1	0	0	2	2	32.11	-15	0	0	0	0	0	17	0	0	0	0	0
130	0	0	0	-1	1	-29.40	13	0	0	0	0	0	-18	0	0	0	0	0
131	0	1	0	-2	1	-15.35	-13	0	0	0	0	0	18	0	0	0	0	0
132	-1	0	2	-2	2	-32.45	14	0	0	0	0	0	-16	0	0	0	0	0
133	-1	1	0	0	1	-29.67	-12	0	0	0	0	0	17	0	0	0	0	0
134	1	0	2	1	2	6.98	13	0	0	0	0	0	-14	0	0	0	0	0
135	0	0	0	-4	0	-7.38	-19	0	0	0	0	0	1	0	0	0	0	0
136	0	0	2	1	1	9.33	11	0	0	0	0	0	-14	0	0	0	0	0
137	1	0	0	-2	2	-31.52	13	0	0	0	0	0	-14	0	0	0	0	0
138	1	0	2	-1	2	13.22	-13	0	0	0	0	0	13	0	0	0	0	0
139	1	-1	0	2	0	9.87	19	0	0	0	0	0	0	0	0	0	0	0
140	-1	0	2	4	1	5.80	-10	0	0	0	0	0	13	0	0	0	0	0
141	0	0	-2	-2	0	-7.08	-16	0	0	0	0	0	1	0	0	0	0	0
142	1	0	-2	0	1	-26.77	11	0	0	0	0	0	-14	0	0	0	0	0
143	-1	0	2	-1	1	313.04	-9	0	0	0	0	0	14	0	0	0	0	0
144	1	1	2	-2	1	22.40	9	0	0	0	0	0	-12	0	0	0	0	0
145	4	0	2	0	2	4.58	-10	0	0	0	0	0	11	0	0	0	0	0
146	0	1	2	1	2	9.11	-10	0	0	0	0	0	10	0	0	0	0	0
147	-2	0	-2	0	0	-6.85	-14	0	0	0	0	0	1	0	0	0	0	0
148	2	1	2	-2	2	12.38	10	0	0	0	0	0	-10	0	0	0	0	0
149	2	-1	0	0	0	14.32	15	0	0	0	0	0	0	0	0	0	0	0
150	-1	-1	0	0	1	-25.53	8	0	0	0	0	0	-12	0	0	0	0	0
151	-2	0	2	2	1	14.60	9	0	0	0	0	0	-11	0	0	0	0	0
152	0	0	0	0	3	-2266.12	-1	0	0	0	0	0	7	0	0	0	0	0
153	1	0	4	-2	2	8.68	9	0	0	0	0	0	-9	0	0	0	0	0
154	2	0	2	2	1	4.68	-8	0	0	0	0	0	10	0	0	0	0	0
155	-2	0	2	4	1	7.34	-8	0	0	0	0	0	10	0	0	0	0	0
156	0	1	0	2	1	14.22	7	0	0	0	0	0	-9	0	0	0	0	0
157	1	0	0	1	0	14.25	-13	0	0	0	0	0	0	0	0	0	0	0
158	-1	0	0	4	1	10.10	-7	0	0	0	0	0	9	0	0	0	0	0
159	-1	0	4	0	1	9.05	8	0	0	0	0	0	-9	0	0	0	0	0

$N°$	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
160	0	0	2	-3	2	-35.23	-8	0	0	0	0	0	8	0	0	0	0	0
161	0	0	4	0	2	6.82	8	0	0	0	0	0	-8	0	0	0	0	0
162	2	1	0	0	0	13.28	-11	0	0	0	0	0	0	0	0	0	0	0
163	0	0	2	-4	1	-16.10	-6	0	0	0	0	0	9	0	0	0	0	0
164	-1	-1	2	4	2	5.90	-7	0	0	0	0	0	7	0	0	0	0	0
165	-1	-2	0	2	0	38.52	11	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	4	1	7.39	-6	0	0	0	0	0	7	0	0	0	0	0
167	0	-1	0	2	1	15.42	-6	0	0	0	0	0	7	0	0	0	0	0
168	1	0	2	4	2	4.08	-6	0	0	0	0	0	7	0	0	0	0	0
169	-2	0	0	2	2	-194.13	7	0	0	0	0	0	-8	0	0	0	0	0
170	-2	2	0	2	0	1616.44	-9	0	0	0	0	0	0	0	0	0	0	0
171	-2	-1	2	0	1	-507.16	4	0	0	0	0	0	-5	0	0	0	0	0
172	-3	0	0	0	1	-9.17	-6	0	0	0	0	0	7	0	0	0	0	0
173	0	0	2	0	3	13.69	0	0	0	0	0	0	3	0	0	0	0	0
174	0	0	2	4	1	4.79	-5	0	0	0	0	0	6	0	0	0	0	0
175	0	0	4	-2	1	12.64	5	0	0	0	0	0	-7	0	0	0	0	0
176	0	-2	0	2	0	16.06	8	0	0	0	0	0	0	0	0	0	0	0
177	1	0	0	-1	1	438.33	7	0	0	-1	0	0	-5	0	0	1	0	0
178	1	1	2	2	2	5.56	6	0	0	0	0	0	-6	0	0	0	0	0
179	3	0	2	-2	1	8.73	5	0	0	0	0	0	-7	0	0	0	0	0
180	-1	-1	2	0	2	29.26	-6	0	0	0	0	0	6	0	0	0	0	0
181	-2	-1	0	2	1	-129.17	-5	0	0	0	0	0	7	0	0	0	0	0
182	0	0	0	-2	2	-14.70	5	0	0	0	0	0	-5	0	0	0	0	0
183	0	-2	2	2	2	7.38	-5	0	0	0	0	0	5	0	0	0	0	0
184	1	0	0	-4	1	-10.07	-5	0	0	0	0	0	6	0	0	0	0	0
185	-1	1	0	2	1	29.39	-4	0	0	0	0	0	6	0	0	0	0	0
186	-2	0	0	4	1	15.94	4	0	0	0	0	0	-6	0	0	0	0	0
187	0	0	2	-1	1	25.33	-4	0	0	0	0	0	5	0	0	0	0	0
188	0	2	0	0	1	187.67	-4	0	0	0	0	0	5	0	0	0	0	0
189	0	2	2	-2	1	90.10	3	0	0	0	0	0	-5	0	0	0	0	0
190	2	0	0	2	1	7.13	-4	0	0	0	0	0	5	0	0	0	0	0
191	2	0	0	-4	1	-15.87	-4	0	0	0	0	0	5	0	0	0	0	0
192	2	0	2	-4	1	95.42	4	0	0	0	0	0	-5	0	0	0	0	0
193	-1	0	-2	0	1	-9.10	-4	0	0	0	0	0	5	0	0	0	0	0
194	-1	1	2	0	1	25.13	4	0	0	0	0	0	-5	0	0	0	0	0
195	-1	1	2	-2	1	-35.80	-4	0	0	0	0	0	5	0	0	0	0	0
196	-1	-1	0	4	0	10.37	6	0	0	0	0	0	0	0	0	0	0	0
197	-3	0	0	4	0	37.63	6	0	0	0	0	0	0	0	0	0	0	0
198	3	0	2	2	2	4.00	-6	0	0	0	0	0	0	0	0	0	0	0
199	2	-1	0	-2	0	471.89	-4	0	0	0	0	0	1	0	0	0	0	0

$N°$	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
200	0	2	-2	2	0	-3396.16	-4	0	0	0	0	0	0	0	0	0	0	0
201	0	-1	2	4	2	4.86	-4	0	0	0	0	0	0	0	0	0	0	0
202	0	-1	2	-1	2	27.32	4	0	0	0	0	0	0	0	0	0	0	0
203	1	1	0	2	0	9.37	-4	0	0	0	0	0	0	0	0	0	0	0
204	2	0	0	-2	2	219.17	-4	0	0	0	0	0	0	0	0	0	0	0
205	2	-1	2	2	2	4.74	-4	0	0	0	0	0	0	0	0	0	0	0
206	4	0	0	0	0	6.89	4	0	0	0	0	0	0	0	0	0	0	0
207	4	0	2	-2	2	6.64	5	0	0	0	0	0	0	0	0	0	0	0
208	-1	0	0	3	0	15.31	-4	0	0	0	0	0	0	0	0	0	0	0
209	-1	0	4	-2	2	23.43	-4	0	0	0	0	0	0	0	0	0	0	0
210	-1	-2	2	2	2	10.08	-4	0	0	0	0	0	0	0	0	0	0	0
211	-2	-1	0	4	0	16.63	5	0	0	0	0	0	0	0	0	0	0	0
212	-2	-1	2	4	2	7.50	-5	0	0	0	0	0	0	0	0	0	0	0
213	0	1	2	2	1	6.95	3	0	0	0	0	0	0	0	0	0	0	0
214	0	2	2	0	2	12.71	3	0	0	0	0	0	0	0	0	0	0	0
215	0	-2	2	0	2	14.77	-3	0	0	0	0	0	0	0	0	0	0	0
216	1	0	0	4	0	5.82	3	0	0	0	0	0	0	0	0	0	0	0
217	1	0	2	2	0	5.63	3	0	0	0	0	0	0	0	0	0	0	0
218	1	0	2	-4	2	-38.52	3	0	0	0	0	0	0	0	0	0	0	0
219	1	-1	2	2	1	5.73	-3	0	0	0	0	0	0	0	0	0	0	0
220	1	-1	2	-2	2	25.62	-3	0	0	0	0	0	0	0	0	0	0	0
221	1	-2	0	0	0	32.45	3	0	0	0	0	0	0	0	0	0	0	0
222	2	0	0	0	2	13.83	-3	0	0	0	0	0	0	0	0	0	0	0
223	2	1	0	-2	1	134.27	3	0	0	0	0	0	0	0	0	0	0	0
224	3	0	0	0	1	9.20	3	0	0	0	0	0	0	0	0	0	0	0
225	-1	0	2	1	2	14.13	3	0	0	0	0	0	0	0	0	0	0	0
226	-1	0	2	3	2	7.22	3	0	0	0	0	0	0	0	0	0	0	0
227	-1	0	-2	4	0	38.96	-3	0	0	0	0	0	0	0	0	0	0	0
228	-1	1	2	2	1	9.30	3	0	0	0	0	0	0	0	0	0	0	0
229	-1	2	0	2	0	27.09	-3	0	0	0	0	0	0	0	0	0	0	0
230	-1	-1	2	-1	1	2189.73	3	0	0	0	0	0	0	0	0	0	0	0
231	-2	0	2	-2	1	-14.93	-3	0	0	0	0	0	0	0	0	0	0	0
232	-2	0	4	0	2	13.49	-3	0	0	0	0	0	0	0	0	0	0	0
233	-2	0	-2	2	0	-12.76	3	0	0	0	0	0	0	0	0	0	0	0
234	-2	1	2	0	1	285.41	4	0	0	0	0	0	0	0	0	0	0	0
235	-3	0	2	0	1	-28.15	-3	0	0	0	0	0	0	0	0	0	0	0
236	0	1	0	1	1	27.43	2	0	0	0	0	0	0	0	0	0	0	0
237	0	-1	0	4	0	7.53	2	0	0	0	0	0	0	0	0	0	0	0
238	0	-1	0	-2	1	-14.16	2	0	0	0	0	0	0	0	0	0	0	0
239	0	-2	0	0	1	-177.85	-2	0	0	0	0	0	0	0	0	0	0	0

$N°$	l	l'	F	D	Ω	Period	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
240	1	0	2	1	1	6.97	2	0	0	0	0	0	0	0	0	0	0	0
241	1	0	2	-3	2	126.51	-2	0	0	0	0	0	0	0	0	0	0	0
242	1	0	-2	1	0	-299.26	-3	0	0	0	0	0	0	0	0	0	0	0
243	1	1	0	1	0	13.72	2	0	0	0	0	0	0	0	0	0	0	0
244	1	-1	0	-2	1	-29.14	2	0	0	0	0	0	0	0	0	0	0	0
245	2	0	2	-1	2	8.93	-2	0	0	0	0	0	0	0	0	0	0	0
246	2	1	2	0	1	6.73	2	0	0	0	0	0	0	0	0	0	0	0
247	2	-1	2	0	1	6.98	-2	0	0	0	0	0	0	0	0	0	0	0
248	2	-1	2	-2	2	13.28	2	0	0	0	0	0	0	0	0	0	0	0
249	3	0	0	2	0	5.66	2	0	0	0	0	0	0	0	0	0	0	0
250	3	-1	2	0	2	5.58	-2	0	0	0	0	0	0	0	0	0	0	0
251	-1	-1	2	0	1	29.14	-2	0	0	0	0	0	0	0	0	0	0	0
252	-2	0	0	0	2	-13.72	2	0	0	0	0	0	0	0	0	0	0	0
253	-2	0	0	3	0	34.48	-2	0	0	0	0	0	0	0	0	0	0	0
254	-2	0	0	-2	1	-7.12	-2	0	0	0	0	0	0	0	0	0	0	0
255	-2	0	2	2	0	14.57	-2	0	0	0	0	0	0	0	0	0	0	0
256	-2	-1	2	0	0	-548.04	-2	0	0	0	0	0	0	0	0	0	0	0
257	-2	-1	2	2	2	15.24	2	0	0	0	0	0	0	0	0	0	0	0
258	0	0	1	0	0	27.21	0	0	0	3	0	0	0	0	0	0	0	0
259	0	0	1	0	1	27.32	0	0	0	- 6	0	0	0	0	0	-14	0	0
260	-1	0	1	0	0	2190.35	0	0	0	13	0	0	0	0	0	0	0	0
261	-1	0	1	0	1	3231.51	0	-2	0	-42	0	0	0	1	0	-89	0	0
262	-1	0	1	0	2	6159.22	0	0	0	14	0	0	0	0	0	18	0	0
263	-1	0	1	0	3	65514.10	0	0	0	-2	0	0	0	0	0	0	0	0
264	0	1	2	-2	3	123.97	-2	0	0	0	0	0	1	0	0	0	0	0
265	1	0	2	0	3	9.14	-1	0	0	0	0	0	1	0	0	0	0	0
266	0	-1	2	-2	3	385.96	1	0	0	0	0	0	0	0	0	0	0	0
267	0	0	4	-4	4	91.31	-2	0	0	0	0	0	1	0	0	0	0	0
268	0	0	4	-2	4	12.71	-1	0	0	0	0	0	0	0	0	0	0	0
269	0	0	2	-2	4	192.99	1	0	0	0	0	0	0	0	0	0	0	0

Table 1.b Numerical Development of the planetary nutations in the coordinates X(t), Y(t) of the CEP in the ICRS consistent with the IERS 1996 Conventions and the IERS Annual report for 1997 (unit μas)

N°	l_{Ve}	l_E	l_{Ma}	l_J	l_{Sa}	p_a	D	F	l	Ω	(days)	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
1	0	2	0	-2	0	0	2	0	-2	1	100171.17	11	0	0	0	0	0	0	0	0	-15	0	0
2	18	-16	0	0	0	0	0	0	-1	0	99728.92	9	0	0	4	0	0	0	0	0	0	0	0
3	8	-12	0	0	0	0	1	-1	0	-1	88074.16	-48	-1	0	-24	1	0	32	1	0	-64	1	0
4	0	0	2	0	0	0	1	-1	0	0	38036.19	11	0	0	-3	0	0	0	0	0	0	0	0
5	0	1	-2	0	0	0	0	0	0	-1	-37884.54	18	1	0	17	-1	0	-23	0	0	25	0	0
6	3	-4	0	0	0	0	1	0	-1	0	-34988.76	0	0	0	5	0	0	0	0	0	0	0	0
7	5	-6	0	0	0	0	2	-2	0	0	18185.76	0	0	0	9	0	0	0	0	0	0	0	0
8	6	-8	0	0	0	0	2	0	-2	0	-17494.38	3	0	0	-1	0	0	0	0	0	0	0	0
9	0	8	-15	0	0	0	0	0	0	0	14765.98	2	0	0	-1	0	0	0	0	0	0	0	0
10	0	-2	0	3	0	0	-2	0	2	1	-13630.86	4	0	0	-1	0	0	0	0	0	-5	0	0
11	0	2	0	-3	0	0	2	0	-2	0	-13562.72	-14	0	0	-2	0	0	0	0	0	0	0	0
12	0	1	0	-1	0	0	1	0	-1	0	12732.58	-2	0	0	0	0	0	0	0	0	0	0	0
13	0	1	0	1	0	0	1	-1	0	0	11960.41	-1	0	0	-3	0	0	0	0	0	0	0	0
14	0	0	0	1	0	0	0	0	0	1	11945.37	1	0	0	-3	0	0	0	0	0	0	0	0
15	0	1	0	0	1	0	1	-1	0	-1	10771.42	-7	0	0	-3	0	0	4	0	0	-9	0	0
16	0	0	0	0	1	0	0	0	0	0	10759.23	0	0	0	2	0	0	0	0	0	0	0	0
17	0	0	0	0	1	1	0	0	0	0	10746.94	2	0	0	0	0	0	0	0	0	0	0	0
18	0	-1	0	0	1	0	-1	1	0	1	10747.06	-3	0	0	0	0	0	0	0	0	0	0	0
19	8	-13	0	0	0	0	0	0	0	1	-7372.72	2	0	0	3	0	0	0	0	0	0	0	0
20	18	-16	0	0	0	0	0	0	-1	1	-7295.69	-3	0	0	-1	0	0	0	0	0	0	0	0
21	0	0	0	-2	5	0	0	0	0	1	-6944.70	3	0	0	1	0	0	0	0	0	0	0	0
22	0	4	-8	3	0	0	0	0	0	-1	6870.05	-3	0	0	-12	0	0	16	0	0	-4	0	0
23	0	4	-8	3	0	0	0	0	0	1	-6728.13	-3	0	0	12	0	0	16	0	0	4	0	0
24	0	0	0	2	-5	0	0	0	0	1	-6658.05	-3	0	0	1	0	0	0	0	0	0	0	0
25	0	2	0	-2	0	0	2	0	-2	0	6366.29	-18	0	0	0	0	0	0	0	0	0	0	0
26	-18	16	0	0	0	0	0	0	1	1	-6364.50	2	0	0	-1	0	0	0	0	0	0	0	0
27	-8	13	0	0	0	0	0	0	0	1	-6307.01	-2	0	0	2	0	0	0	0	0	0	0	0
28	0	0	2	0	0	0	1	-1	0	-1	5767.51	-11	0	0	-3	0	0	4	0	0	-15	0	0
29	0	1	-2	0	0	0	0	0	0	0	-5764.01	-18	0	0	18	0	0	0	0	0	0	0	0
30	0	-2	2	0	0	0	-1	1	0	1	5760.51	0	0	0	-2	0	0	0	0	0	0	0	0
31	0	0	0	0	-2	-1	0	0	0	0	-5376.54	-2	0	0	-4	0	0	6	0	0	-3	0	0
32	0	-1	0	0	2	0	-1	1	0	1	5376.57	-2	0	0	-4	0	0	-6	0	0	3	0	0
33	0	0	0	0	2	2	0	0	0	0	5373.47	-5	0	0	0	0	0	0	0	0	5	0	0
34	5	-6	0	0	0	0	2	-2	0	-1	4948.47	1	0	0	18	-1	0	-23	0	0	0	0	0
35	0	2	0	-3	0	0	2	0	-2	1	-4528.45	-2	0	0	0	0	0	0	0	0	0	0	0
36	0	-1	0	-1	0	0	-1	1	0	1	-4334.57	-2	0	0	8	0	0	10	0	0	3	0	0
37	0	0	0	1	0	-1	0	0	0	0	4334.58	1	0	0	2	0	0	0	0	0	0	0	0
38	0	0	0	1	0	0	0	0	0	0	4332.59	-3	0	0	10	0	0	0	0	0	0	0	0
39	0	0	0	1	0	1	0	0	0	0	4330.60	0	0	0	2	0	0	0	0	0	0	0	0

$N°$	l_{Ve}	l_E	l_{Ma}	l_J	l_{Sa}	p_a	D	F	l	Ω	(days)	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
40	0	-1	0	1	0	0	-1	1	0	1	4330.61	0	0	0	-2	0	0	0	0	0	0	0	0
41	3	-3	0	0	0	0	2	0	-2	0	3561.67	-6	0	0	0	0	0	0	0	0	0	0	0
42	0	-2	0	2	0	0	-2	0	2	1	-3287.62	2	0	0	0	0	0	0	0	0	0	0	0
43	3	-5	0	0	0	0	0	0	0	0	-2959.21	-9	0	0	3	0	0	0	0	0	0	0	0
44	3	-5	0	0	0	-1	0	0	0	0	-2958.28	0	0	0	-3	0	0	3	0	0	-1	0	0
45	3	-5	0	0	0	-2	0	0	0	0	-2957.35	84	2	0	0	0	0	0	0	0	96	-2	0
46	0	2	-4	0	0	0	0	0	0	0	-2882.00	-3	0	0	6	0	0	0	0	0	0	0	0
47	0	2	-4	0	0	-2	0	0	0	0	-2880.24	2	0	0	0	0	0	0	0	0	0	0	0
48	5	-8	0	0	0	-2	0	0	0	0	2863.89	0	0	0	-10	0	0	13	0	0	0	0	0
49	5	-7	0	0	0	0	1	-1	0	-1	2863.01	-6	0	0	-1	0	0	1	0	0	-7	0	0
50	0	0	0	-2	0	-1	0	0	0	0	-2165.80	-2	0	0	-11	0	0	12	0	0	-2	0	0
51	0	1	0	-2	0	0	1	-1	0	-1	-2165.80	1	0	0	6	0	0	-8	0	0	1	0	0
52	0	0	0	2	0	2	0	0	0	0	2165.30	-46	1	0	0	0	0	0	0	0	51	1	0
53	-3	3	0	0	0	0	-2	2	0	1	2060.87	5	0	0	0	0	0	0	0	0	-6	0	0
54	0	-2	0	2	0	0	-2	2	0	1	1642.24	2	0	0	0	0	0	0	0	0	0	0	0
55	2	-3	0	0	0	0	0	0	0	0	1454.94	0	0	0	25	0	0	0	-1	0	0	0	0
56	0	0	0	3	0	2	0	0	0	0	1443.75	-5	0	0	0	0	0	0	0	0	5	0	0
57	1	-2	0	0	0	0	0	0	0	0	-975.38	0	0	0	-4	0	0	0	0	0	0	0	0
58	0	2	-3	0	0	0	0	0	0	0	901.99	-3	0	0	2	0	0	0	0	0	0	0	0
59	0	1	-1	0	0	0	0	0	0	0	779.94	-2	0	0	0	0	0	0	0	0	0	0	0
60	4	-7	0	0	0	-2	0	0	0	0	-733.47	0	0	0	2	0	0	0	0	0	0	0	0
61	4	-6	0	0	0	-2	0	0	0	0	727.58	-21	-1	0	0	0	0	0	0	0	-23	0	0
62	4	-6	0	0	0	-1	0	0	0	0	727.52	0	0	0	4	0	0	-5	0	0	1	0	0
63	1	-1	0	0	0	0	0	0	0	0	583.92	61	0	0	0	0	0	0	0	0	0	-1	0
64	1	-1	0	0	0	1	0	0	0	0	583.89	0	0	0	-2	0	0	-5	0	0	-1	0	0
65	0	1	0	-3	0	-2	0	0	0	0	488.96	-4	0	0	0	0	0	0	0	0	-5	0	0
66	2	-4	0	0	0	-1	0	0	0	0	-487.66	0	0	0	-3	0	0	0	0	0	0	0	0
67	2	-4	0	0	0	-2	0	0	0	0	-487.64	19	0	0	0	0	0	0	0	0	20	0	0
68	0	1	0	-2	0	0	0	0	0	0	439.33	-7	0	0	11	0	0	0	0	0	0	0	0
69	0	3	-4	0	0	0	0	0	0	0	418.27	-3	0	0	2	0	0	0	0	0	0	0	0
70	3	-4	0	0	0	0	0	0	0	0	416.69	0	0	0	12	0	0	0	0	0	0	0	0
71	0	1	0	-1	0	0	0	0	0	0	398.88	-49	0	0	-1	0	0	0	0	0	0	1	0
72	0	2	-2	0	0	0	0	0	0	0	389.97	-15	0	0	0	0	0	0	0	0	0	0	0
73	0	1	0	0	-1	0	0	0	0	0	378.09	-3	0	0	0	0	0	0	0	0	0	0	0
74	0	0	2	0	0	2	0	0	0	0	343.46	-3	0	0	0	0	0	0	0	0	0	0	0
75	0	1	0	1	0	2	0	0	0	0	336.83	-10	0	0	0	0	0	0	0	0	11	0	0
76	3	-6	0	0	0	-2	0	0	0	0	-325.10	0	0	0	-2	0	0	0	0	0	0	0	0
77	5	-7	0	0	0	-2	0	0	0	0	323.94	-8	0	0	0	0	0	0	0	0	-9	0	0
78	0	1	0	2	0	2	0	0	0	0	312.54	-1	0	0	-2	0	0	0	0	0	0	0	0
79	2	-2	0	0	0	-1	0	0	0	0	291.97	0	0	0	2	0	0	0	0	0	0	0	0

$N°$	l_{Ve}	l_E	l_{Ma}	l_J	l_{Sa}	p_a	D	F	l	Ω	(days)	$(a_{s,0})_i$	$(a_{s,1})_i$	$(a_{s,2})_i$	$(a_{c,0})_i$	$(a_{c,1})_i$	$(a_{c,2})_i$	$(b_{c,0})_i$	$(b_{c,1})_i$	$(b_{c,2})_i$	$(b_{s,0})_i$	$(b_{s,1})_i$	$(b_{s,2})_i$
80	2	-2	0	0	0	0	0	0	0	0	291.96	-24	0	0	0	0	0	0	0	0	0	1	0
81	1	-3	0	0	0	-2	0	0	0	0	-265.73	-4	0	0	0	0	0	0	0	0	-5	0	0
82	1	-3	0	0	0	-1	0	0	0	0	-265.73	0	0	0	-2	0	0	0	0	0	0	0	0
83	0	2	0	-3	0	0	0	0	0	0	209.07	3	0	0	1	0	0	0	0	0	0	0	0
84	2	-5	0	0	0	-2	0	0	0	0	-208.83	0	0	0	-5	0	0	6	0	0	0	0	0
85	6	-8	0	0	0	-2	0	0	0	0	208.35	-5	0	0	0	0	0	0	0	0	-5	0	0
86	0	2	0	-2	0	0	0	0	0	0	199.44	16	0	0	0	0	0	0	0	0	0	0	0
87	3	-3	0	0	0	0	0	0	0	0	194.64	4	0	0	0	0	0	0	0	0	0	0	0
88	3	-3	0	0	0	2	0	0	0	0	194.63	2	0	0	-1	0	0	0	0	0	0	0	0
89	0	-2	0	1	0	-2	0	0	0	0	-190.66	6	0	0	1	0	0	-1	0	0	7	0	0
90	0	3	-2	0	0	2	0	0	0	0	188.60	3	0	0	-3	0	0	0	0	0	0	0	0
91	8	-15	0	0	0	-2	0	0	0	0	-183.00	-2	0	0	-4	0	0	4	0	0	-3	0	0
92	0	6	-8	3	0	2	0	0	0	0	182.67	5	0	0	-17	0	0	-18	0	0	-5	0	0
93	0	2	0	0	0	2	0	0	0	0	182.62	-4	0	0	0	0	0	0	0	0	0	0	0
94	0	-2	8	-3	0	2	0	0	0	0	182.57	-5	0	0	17	0	0	18	0	0	5	0	0
95	-8	11	0	0	0	-2	0	0	0	0	-182.24	2	0	0	4	0	0	-4	0	0	13	0	0
96	0	1	2	0	0	2	0	0	0	0	177.01	-3	0	0	-3	0	0	0	0	0	0	0	0
97	0	2	0	1	0	2	0	0	0	0	175.23	7	0	0	0	0	0	0	0	0	-7	0	0
98	3	-7	0	0	0	-2	0	0	0	0	-172.01	3	0	0	-1	0	0	0	0	0	0	0	0
99	2	-1	0	0	0	2	0	0	0	0	162.26	0	0	0	-7	0	0	-8	0	0	0	0	0
100	7	-9	0	0	0	-2	0	0	0	0	153.56	-3	0	0	0	0	0	0	0	0	0	0	0
101	4	-4	0	0	0	0	0	0	0	0	145.98	4	0	0	0	0	0	0	0	0	0	0	0
102	1	1	0	0	0	2	0	0	0	0	139.11	-12	0	0	0	0	0	0	0	0	13	0	0
103	0	3	0	-2	0	2	0	0	0	0	129.00	3	0	0	-4	0	0	-4	0	0	-3	0	0
104	3	-2	0	0	0	2	0	0	0	0	126.97	0	0	0	-4	0	0	-5	0	0	0	0	0
105	0	3	0	-1	0	2	0	0	0	0	125.27	21	-1	0	1	0	0	0	0	0	-22	0	0
106	0	4	-2	0	0	2	0	0	0	0	124.38	6	0	0	0	0	0	0	0	0	-6	0	0
107	8	-10	0	0	0	-2	0	0	0	0	121.59	-2	0	0	0	0	0	0	0	0	0	0	0
108	5	-5	0	0	0	0	0	0	0	0	116.78	3	0	0	0	0	0	0	0	0	0	0	0
109	2	0	0	0	0	2	0	0	0	0	112.35	16	0	0	0	0	0	0	0	0	-17	0	0
110	0	4	0	-2	0	2	0	0	0	0	95.33	-7	0	0	0	0	0	0	0	0	8	0	0
111	-18	16	0	0	0	0	0	-2	1	-2	-13.66	5	0	0	2	0	0	-3	0	0	5	0	0
112	-18	16	0	0	0	0	0	2	1	2	13.66	5	0	0	-2	0	0	-3	0	0	0	0	0