Table T11.

CONSISTENCY OF EOP SERIES WITH REFERENCE FRAMES

Table T11a. Consistency of series of EOP and reference frames at 1993.0
The data span of the EOP series is given — Unit : 0.001".

1) SERIES USED TO DERIVE EOP(IERS) C 01.

SERIES		R2 Δx C(x)	R1 Δy C(y)	A3-R3 *f*.ΔUT1 C(UT1)	A2/sinε Δdψ C(dy)	-A1 Δdε C(dy)
EOP(**GSFC**) 95 **R** 01 1984-94	1	0.99 ±0.26	1.24 ±0.27	0.20 ±0.23	-0.86 ±0.05	-0.15 ±0.02
	2	1.10 ±0.01	1.96 ±0.01	-0.43 ±0.01	-0.99 ±0.01	-0.16 ±0.00
	3	0.11 ±0.26	0.72 ±0.27	-0.63 ±0.23	-0.13 ±0.05	-0.01 ±0.02
EOP(**NOAA**) 95 **R** 01 1984-94	1	0.03 ±0.54	0.45 ±0.57	-0.12 ±0.39	-0.36 ±0.07	-0.02 ±0.03
	2	0.17 ±0.02	1.11 ±0.01	-0.71 ±0.01	-0.25 ±0.01	-0.01 ±0.00
	3	0.14 ±0.54	0.66 ±0.57	-0.59 ±0.39	0.11 ±0.07	0.01 ±0.03
EOP(**CSR**) 95 **L** 01 1984-94	1	0.19 ±0.11	-0.84 ±0.11			
	2	-0.03 ±0.01	0.00 ±0.01			
	3	-0.22 ±0.11	0.83 ±0.11			

2) OTHER SERIES

EOP(**GSFC**) 95 **R** 02 1984-94	1			0.20 ±0.23		
	2			-0.41 ±0.04		
	3			-0.61 ±0.23		
EOP(**GSFC**) 95 **R** 03 1989-93	1			0.20 ±0.23		
	2			-0.16 ±0.20		
	3			-0.35 ±0.31		
EOP(**JPL**) 95 **R** 01 1984-94	1			0.78 ±0.44		
	2			-0.21 ±0.06		
	3			-0.99 ±0.44		
EOP(**NOAA**) 95 **R** 02 1984-94	1			-0.12 ±0.39		
	2			-0.76 ±0.05		
	3			-0.64 ±0.39		
EOP(**USNO**) 95 **R** 04 1984-94	1	-0.06 ±0.21	-1.97 ±0.23	1.25 ±0.21	0.28 ±0.04	-0.25 ±0.01
	2	0.08 ±0.02	-1.19 ±0.02	0.63 ±0.02	0.12 ±0.02	-0.29 ±0.01
	3	0.14 ±0.21	0.78 ±0.23	-0.63 ±0.21	-0.16 ±0.04	-0.04 ±0.02
EOP(**USNO**) 95 **R** 05 1993-94	1			1.25 ±0.21		
	2			0.87 ±0.76		
	3			-0.38 ±0.79		

Table T11a. (cont.) Consistency of series of EOP and reference frames at **1993.0**

Unit : 0.001".

SERIES		R2 Δx C(x)	R1 Δy C(y)	A3-R3 $f.\Delta UT1$ C(UT1)	A2/sinε Δdψ C(dy)	-A1 Δdε C(dy)
EOP(**CODE**) 95 **P** 02 1992-94	1	-0.41 ±0.42	4.04 ±0.44			
	2	-0.54 ±0.11	4.46 ±0.15			
	3	-0.13 ±0.43	0.42 ±0.47			
EOP(**EMR**) 95 **P** 02 1994	1	-0.23 ±0.23	-0.69 ±0.24			
	2	-0.12 ±0.18	-0.87 ±0.22			
	3	0.11 ±0.29	-0.18 ±0.33			
EOP(**JPL**) 95 **P** 02 1993-94	1	-0.12 ±0.20	-0.62 ±0.23			
	2	0.15 ±0.04	0.19 ±0.04			
	3	0.27 ±0.20	0.81 ±0.23			
EOP(**DUT**) 95 **L** 02 1984-93	1	-0.16 ±0.20	-0.95 ±0.22			
	2	-0.54 ±0.07	0.06 ±0.05			
	3	-0.38 ±0.21	1.01 ±0.22			

Note on the lines contents

1- R1, R2, R3 : terrestrial frames rotation angles wrt SSC(IERS) C 01 (ITRF94)
A1, A2, A3 : celestial frames rotation angles wrt RSC(IERS) C 01 (ICRF94)
2- Biases at 1993.0 derived from the comparison of the series of EOP with EOP(IERS) C 01 over the listed data span.
3- Closure error : difference of line 2 with line 1.

Table T11b. Consistency of rates of change in series of EOP and in terrestrial reference frames
The data span of the EOP series is given

Unit : 0.001"/a.

1) SERIES USED TO DERIVE EOP(IERS) C 01

SERIES		R'2 Δx' C(x)	R'1 Δy' C(y)	-R'3 $f.\Delta UT1'$ C(UT1)
EOP(**GSFC**) 95 **R** 01 1984-94	1	0.04 ±0.07	0.02 ±0.07	0.04 ±0.05
	2	0.18 ±0.00	0.07 ±0.00	0.10 ±0.00
	3	0.15 ±0.07	0.05 ±0.07	0.06 ±0.06
EOP(**NOAA**) 95 **R** 01 1984-94	1	0.00 ±0.15	0.00 ±0.16	0.01 ±0.10
	2	0.12 ±0.00	-0.04 ±0.00	0.06 ±0.00
	3	0.12 ±0.15	-0.04 ±0.16	0.05 ±0.10
EOP(**CSR**) 95 **L** 01 1984-94	1	-0.22 ±0.01	-0.14 ±0.01	
	2	-0.13 ±0.00	0.05 ±0.00	
	3	0.09 ±0.01	0.19 ±0.01	

Table T11b. (cont.) Consistency of rates of change in series of EOP and in terrestrial reference frames

2) OTHER SERIES — Unit : 0.001"/a.

SERIES		R'2 Δx C(x)	R'1 Δy C(y)	-R'3 f.ΔUT1 C(UT1)
EOP(**GSFC**) 95 **R** 02 1984-94	1			0.04 ±0.05
	2			0.13 ±0.01
	3			0.09 ±0.06
EOP(**GSFC**) 95 **R** 03 1989-93	1			0.04 ±0.05
	2			0.25 ±0.10
	3			0.21 ±0.12
EOP(**JPL**) 95 **R** 01 1984-94	1			-0.04 ±0.14
	2			-0.04 ±0.03
	3			-0.01 ±0.14
EOP(**NOAA**) 95 **R** 02 1984-94	1			0.01 ±0.10
	2			0.06 ±0.01
	3			0.04 ±0.10
EOP(**USNO**) 95 **R** 04 1984-94	1	-0.32 ±0.05	-0.13 ±0.05	-0.08 ±0.05
	2	-0.19 ±0.01	-0.10 ±0.00	-0.05 ±0.01
	3	0.13 ±0.05	0.03 ±0.06	0.03 ±0.05
EOP(**USNO**) 95 **R** 05 1993-94	1			-0.08 ±0.05
	2			-0.36 ±0.51
	3			-0.28 ±0.52
EOP(**CODE**) 95 **P** 02 1992-94	1	-0.22 ±0.12	-0.12 ±0.14	
	2	0.05 ±0.09	0.16 ±0.12	
	3	0.27 ±0.15	0.27 ±0.18	
EOP(**EMR**) 95 **P** 02 1994	1	-0.32 ±0.32	-0.05 ±0.38	
	2	-0.03 ±0.12	0.46 ±0.15	
	3	0.29 ±0.34	0.51 ±0.40	
EOP(**JPL**) 95 **P** 02 1993-94	1	-0.18 ±0.34	-0.08 ±0.34	
	2	-0.04 ±0.04	0.23 ±0.04	
	3	0.14 ±0.34	0.31 ±0.34	
EOP(**DUT**) 95 **L** 02 1984-93	1	0.05 ±0.04	0.00 ±0.05	
	2	0.07 ±0.02	0.26 ±0.01	
	3	0.02 ±0.05	0.25 ±0.05	

Note on the lines contents

1 - Terrestrial frames rotation rates wrt the SSC(IERS) 95C 01 (ITRF94) velocity field.

2 - Rates of the series of EOP wrt EOP(IERS) C 01 over the data span listed.

3 - Closure error: difference of line 2 with line 1.

Table T11c. Consistency of series of EOP and reference frames
The data span and the epoch are given Unit : 0.001".

SERIES		1: R2 Δx C(x)	1: R1 Δy C(y)	1: A3-R3 f.ΔUT1 C(UT1)	2: A2/sinε Δdψ C(dy)	2: -A1 Δdε C(dy)
	1	-0.05 ±0.11	0.03 ±0.11	-2.15 ±0.07		
EOP(**GAOUA**)95 **R** 01	2	0.46 ±0.03	0.57 ±0.03	-0.62 ±0.04		
1991-94						
1993.00	3	0.51 ±0.11	0.54 ±0.11	1.53 ±0.08		
	1	-0.64 ±0.45	-0.46 ±0.60	2.67 ±0.39	-0.11 ±0.15	-0.26 ±0.06
EOP(**SHA**) 95 **R** 01	2	-0.19 ±0.09	0.08 ±0.06	-0.16 ±0.10	0.22 ±0.05	0.02 ±0.02
1993-94						
1993.00	3	0.45 ±0.46	0.54 ±0.60	-2.83 ±0.41	0.33 ±0.16	0.28 ±0.06
	1			40.15 ±1.72		
EOP(**FSG**) 95 **M** 01	2			-2.77 ±0.16		
1984-94						
1991.94	3			-42.93 ±1.73		
	1			3.39 ±0.94		
EOP(**JPL**) 95 **M** 02	2			-2.73 ±0.14		
1984-94						
1991.00	3			-6.12 ±0.95		
	1			0.53 ±1.18		
EOP(**SHA**) 95 **M** 01	2			-2.51 ±0.33		
1988-94						
1993.00	3			-3.05 ±1.23		
	1			-47.95 ±5.94		
EOP(**UTXMO**)95 **M** 01	2			-2.25 ±0.25		
1984-94						
1984.00	3			45.69 ±5.95		
	1	-0.54 ±0.13	-0.92 ±0.13			
EOP(**GFZ**) 95 **P** 02	2	-0.28 ±0.05	0.07 ±0.05			
1993-94						
1994.00	3	0.26 ±0.14	0.99 ±0.14			

Table T11c. (cont.) Consistency of series of EOP and reference frames

Unit : 0.001".

SERIES		R2 Δx C(x)	R1 Δy C(y)	A3-R3 f.ΔUT1 C(UT1)	A2/sinε Δdψ C(dy)	-A1 Δdε C(dy)
EOP(**CLG**) 95 **L** 02	1	-5.80 ±1.12	0.19 ±1.10			
	2	-5.06 ±0.15	4.78 ±0.12			
1984-94						
1984.00	3	0.74 ±1.13	4.59 ±1.11			
EOP(**GAOUA**)95 **L** 02	1	0.87 ±0.13	-0.69 ±0.13			
	2	0.00 ±0.05	0.12 ±0.05			
1984-94						
1993.00	3	-0.87 ±0.14	0.81 ±0.14			
EOP(**GFZ**) 95 **L** 01	1	-0.05 ±0.26	-0.36 ±0.26			
	2	0.83 ±0.09	1.69 ±0.08			
1992-94						
1988.00	3	0.88 ±0.27	2.05 ±0.27			
EOP(**GFZ**) 95 **L** 02	1	-0.05 ±0.26	-0.36 ±0.26			
	2	0.88 ±0.09	1.72 ±0.06			
1992-94						
1988.00	3	0.94 ±0.27	2.08 ±0.27			
EOP(**GSFC**) 95 **L** 01	1	1.76 ±0.22	-0.80 ±0.21			
	2	1.35 ±0.03	0.95 ±0.05			
1984-94						
1988.00	3	-0.41 ±0.22	1.75 ±0.22			
EOP(**IARAS**)94 **L** 01	1	0.60 ±0.46	-0.33 ±0.68			
	2	0.90 ±0.63	0.36 ±0.47			
1993-94						
1994.00	3	0.30 ±0.78	0.69 ±0.82			

Note on the lines contents

1- R1, R2, R3 : terrestrial frames rotation angles wrt SSC(IERS) C 01 (ITRF94)
A1, A2, A3 : celestial frames rotation angles wrt RSC(IERS) C 01 (ICRF94)
2- Biases at the epoch given on the fourth line, derived from the comparison of the series of EOP with EOP(IERS) C 01 over the data span listed.
3- Closure error : difference of line 2 with line 1.