TABLE 4.—GHA and Declination of the Sun for the Years 2001–2036 — Argument "Orbit Time"

a. Corr. from GMT to OT

Year	Corr.	Year	Corr.	Year	Corr.
	h		h		h
2001	+10	2013	+13	2025	+15
2002	+ 5	2014	+ 7	2026	+ 9
2003	- 1	2015	+ 1	2027	+ 4
2004	- 7	2016	- 5	2028	- 2
2004	+17 *	2016	+19 *	2028	+22 *
2005	+11	2017	+14	2029	+16
2006	+ 6	2018	+ 8	2030	+10
2007	0	2019	+ 2	2031	+ 4
2008	- 6	2020	- 4	2032	- 1
2008	+18 *	2020	+20 *	2032	+23 *
2009	+12	2021	+14	2033	+17
2010	+ 6	2022	+ 8	2034	+11
2011	+ 1	2023	+ 3	2035	+ 5
2012	- 5	2024	- 3	2036	- 1
2012	+19 *	2024	+21 *	2036	+23 *

* After Feb. 29

b. Interpolation for Hours of OT

Diff.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
h	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
3	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3
4	0	0	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4
5	0	0	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5
6	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6
7	0	1	1	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	6	6	6	6	7	7
8	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
9	0	1	1	2	2	2	3	3	3	4	4	5	5	5	6	6	6	7	7	8	8	8	9	9
10	0	1	1	2	2	3	3	3	4	4	5	5	5	6	6	7	7	8	8	8	9	9	10	10
11	0	1	1	2	2	3	3	4	4	5	5	6	6	6	7	7	8	8	9	9	10	10	11	11

Diff.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
h	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
12	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
13	1	1	2	2	3	3	4	4	5	5	6	7	7	8	8	9	9	10	10	11	11	12	12	13
14	1	1	2	2	3	4	4	5	5	6	6	7	8	8	9	9	10	11	11	12	12	13	13	14
15	1	1	2	3	3	4	4	5	6	6	7	8	8	9	9	10	11	11	12	13	13	14	14	15
16	1	1	2	3	3	4	5	5	6	7	7	8	9	9	10	11	11	12	13	13	14	15	15	16
17	1	1	2	3	4	4	5	6	6	7	8	9	9	10	11	11	12	13	13	14	15	16	16	17
18	1	2	2	3	4	5	5	6	7	8	8	9	10	11	11	12	13	14	14	15	16	17	17	18
19	1	2	2	3	4	5	6	6	7	8	9	10	10	11	12	13	13	14	15	16	17	17	18	19
20	1	2	3	3	4	5	6	7	8	8	9	10	11	12	13	13	14	15	16	17	18	18	19	20
21	1	2	3	4	4	5	6	7	8	9	10	11	11	12	13	14	15	16	17	18	18	19	20	21
22	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14	15	16	17	17	18	19	20	21	22
23	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	15	16	17	18	19	20	21	22	23

c. Hours and Tens of Minutes of GMT

	00m	10m	20m	30m	40m	50m
h	° ′	° ′	° ′	° ′	° ′	° ′
00	175 00	177 30	180 00	182 30	185 00	187 30
01	190 00	192 30	195 00	197 30	200 00	202 30
02	205 00	207 30	210 00	212 30	215 00	217 30
03	220 00	222 30	225 00	227 30	230 00	232 30
04	235 00	237 30	240 00	242 30	245 00	247 30
05	250 00	252 30	255 00	257 30	260 00	262 30
06	265 00	267 30	270 00	272 30	275 00	277 30
07	280 00	282 30	285 00	287 30	290 00	292 30
08	295 00	297 30	300 00	302 30	305 00	307 30
09	310 00	312 30	315 00	317 30	320 00	322 30
10	325 00	327 30	330 00	332 30	335 00	337 30
11	340 00	342 30	345 00	347 30	350 00	352 30
12	355 00	357 30	0 00	2 30	5 00	7 30
13	10 00	12 30	15 00	17 30	20 00	22 30
14	25 00	27 30	30 00	32 30	35 00	37 30
15	40 00	42 30	45 00	47 30	50 00	52 30
16	55 00	57 30	60 00	62 30	65 00	67 30
17	70 00	72 30	75 00	77 30	80 00	82 30
18	85 00	87 30	90 00	92 30	95 00	97 30
19	100 00	102 30	105 00	107 30	110 00	112 30
20	115 00	117 30	120 00	122 30	125 00	127 30
21	130 00	132 30	135 00	137 30	140 00	142 30
22	145 00	147 30	150 00	152 30	155 00	157 30
23	160 00	162 30	165 00	167 30	170 00	172 30

d. Minutes and Seconds of GMT (in critical cases ascend)

m s	° ′	m s	° ′	m s	° ′	m s	° ′	m s	° ′	m s	° ′
00 00		01 37		03 17		04 57		06 37		08 17	
01	0 00	41	0 25	21	0 50	05 01	1 15	41	1 40	21	2 05
05	0 01	45	0 26	25	0 51	05	1 16	45	1 41	25	2 06
09	0 02	49	0 27	29	0 52	09	1 17	49	1 42	29	2 07
13	0 03	53	0 28	33	0 53	13	1 18	53	1 43	33	2 08
17	0 04	01 57	0 29	37	0 54	17	1 19	06 57	1 44	37	2 09
21	0 05	02 01	0 30	41	0 55	21	1 20	07 01	1 45	41	2 10
25	0 06	05	0 31	45	0 56	25	1 21	05	1 46	45	2 11
29	0 07	09	0 32	49	0 57	29	1 22	09	1 47	49	2 12
33	0 08	13	0 33	53	0 58	33	1 23	13	1 48	53	2 13
37	0 09	17	0 34	03 57	0 59	37	1 24	17	1 49	08 57	2 14
41	0 10	21	0 35	04 01	1 00	41	1 25	21	1 50	09 01	2 15
45	0 11	25	0 36	05	1 01	45	1 26	25	1 51	05	2 16
49	0 12	29	0 37	09	1 02	49	1 27	29	1 52	09	2 17
53	0 13	33	0 38	13	1 03	53	1 28	33	1 53	13	2 18
00 57	0 14	37	0 39	17	1 04	05 57	1 29	37	1 54	17	2 19
01 01	0 15	41	0 40	21	1 05	06 01	1 30	41	1 55	21	2 20
05	0 16	45	0 41	25	1 06	05	1 31	45	1 56	25	2 21
09	0 17	49	0 42	29	1 07	09	1 32	49	1 57	29	2 22
13	0 18	53	0 43	33	1 08	13	1 33	53	1 58	33	2 23
17	0 19	02 57	0 44	37	1 09	17	1 34	07 57	1 59	37	2 24
21	0 20	03 01	0 45	41	1 10	21	1 35	08 01	2 00	41	2 25
25	0 21	05	0 46	45	1 11	25	1 36	05	2 01	45	2 26
29	0 22	09	0 47	49	1 12	29	1 37	09	2 02	49	2 27
33	0 23	13	0 48	53	1 13	33	1 38	13	2 03	53	2 28
37	0 24	17	0 49	04 57	1 14	37	1 39	17	2 04	09 57	2 29
01 41	0 25	03 21	0 50	05 01	1 15	06 41	1 40	08 21	2 05	10 00	2 30

EXPLANATION