TABLE 4. – GHA and Declination of the Sun for the Years 2001-2036 – Argument "Orbit Til	TABLE 4. – GHA and Declination	of the Sun for the Y	/ears 2001-2036 – A	raument "Orbit Tin
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	•	TABLE 4. – GHA and Declination of the Sun for the Years 2001-2036 – Argument "Orbit Time"       Modified HermanD 10-2016/08-2019-V0.9											
Month 🕨	Januari	Februari	Maart	April	Mei	Juni	Juli	Augustus	September	Oktober	November	December	<ul> <li>Month</li> </ul>
DAY 🔻	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	E Dec	DAY 🔻
1	04°12' S 23°03' Diff -7 Diff -5	01°38' S 17°16'	01°53' S 07°49'	03°58' N 04°19'	05°42' N 14°54'	05°35' N 21°58'	04°05' N 23°08'	03°24' N 18°10'	04°56' N 08°29'	07°31' S 02°57'	09°06' S 14°14' Diff +1 Diff +19	07°50' S 21°42'	1
•	Diff -7 Diff -5 04°05' S 22°58'	Diff -2 Diff -17 01°36' S 16°59'	Diff +3 Diff -23 01°56' S 07°26'	Diff +5 Diff +23	Diff +2 Diff +18 05°44' N 15°12'	Diff -3 Diff+8 05°32' N 22°06'	Diff -3 Diff -4 04°02' N 23°04'	Diff +1 Diff -16 03°25' N 17°54'	Diff +5 Diff -21	Diff +5 Diff +24	Diff +1 Diff +19 09°07' S 14°33'	Diff -5 Diff +9	0
2	Diff -7 Diff -6	Diff -2 Diff -18	Diff +3 Diff -23	Diff +4 Diff +23	Diff +2 Diff +18	Diff -2 Diff +8	Diff -3 Diff -4	Diff +1 Diff -15	Diff +5 Diff -22	Diff +5 Diff +23	Diff 0 Diff +19	Diff -6 Diff +9	2
3	03°58' S 22°52' Diff -7 Diff -5	01°35' S 16°41' Diff -2 Diff -17	01°59' S 07°03' Diff +3 Diff -23	04°07' N 05°05' Diff +5 Diff +23	05°46' N 15°30' Diff +1 Diff +17	05°30' N 22°14' Diff -2 Diff +8	03°59' N 23°00' Diff -3 Diff -5	03°26' N 17°39' Diff +2 Diff -16	05°06' N 07°46' Diff +5 Diff -22	07°41' S 03°44' Diff +5 Diff +23	09°07' S 14°52' Diff 0 Diff +19	07°38' S 22°00' Diff -5 Diff +9	3
4	03°52' S 22°47'	01°33' S 16°24'	02°02' S 06°40'	04°12' N 05°28'	05°47' N 15°47'	05°28' N 22°22'	03°56' N 22°55'	03°28' N 17°23'	05°11 N 07°24'	07°46' \$ 04°07'	09°07' S 15°11'	07°33' S 22°09'	4
-	Diff -7 Diff -7	Diff -1 Diff -18	Diff +3 Diff -23	Diff +4 Diff +23	Diff +2 Diff +18	Diff -3 Diff +7	Diff -3 Diff -5	Diff +1 Diff -15	Diff +5 Diff -22	Diff +4 Diff +23	Diff 0 Diff +18	Diff -6 Diff +8	4
5	03°45' S 22°40'	01°32' S 16°06' Diff -2 Diff -18	02°05' S 06°17' Diff +4 Diff -23	04°16' N 05°51' Diff +4 Diff +23	05°49' N 16°05' Diff +1 Diff +17	05°25' N 22°29' Diff -3 Diff +6	03°53' N 22°50' Diff -2 Diff -6	03°29' N 17°08' Diff +1 Diff -17	05°16' N 0702°' Diff +5 Diff -22	07°50' \$ 04°30' Diff +5 Diff +23	09°07' S 15°29' Diff -1 Diff +19	07°27' S 22°17' Diff -7 Diff +8	5
6	03°38' S 22°34'	01°30' S 15°48'	02°09' S 05°54'	04°20' N 06°14'	05°50' N16°22'	05°22' N 22°35'	03°51' N 22°44'	03°30' N 16°51'	05°21' N 06°40'	07°55' S 04°53'	09°06' S 15°48'	07°20' S 22°25'	6
	Diff -7 Diff -8 03°31' S 22°26'	Diff -1 Diff -19 01°29' S 15°29'	Diff +3 Diff -23 02°12' S 05°31'	Diff +5 Diff +22 04°25' N 06°36'	Diff +1 Diff +17 05°51' N16°39'	Diff -2 Diff +6 05°20' N 22°41'	Diff -3 Diff -6 03°48' N 22°38'	Diff +2 Diff -16 03°32' N 16°35'	Diff +5 Diff -23 05°26' N 06°17'	Diff +4 Diff +23 07°59' S 05°16'	Diff 0 Diff +18 09°06' S 16°06'	Diff -6 Diff +7 07°14' S 22°32'	
7	Diff -6 Diff -7	Diff -1 Diff -18	Diff +4 Diff -24	Diff +4 Diff +23	Diff +1 Diff +16	Diff -3 Diff +6	Diff -2 Diff -6	Diff +2 Diff -17	Diff +5 Diff -22	Diff +4 Diff +23	Diff -1 Diff +17	Diff -6 Diff +7	7
8	03°25' S 22°19'	01°28' S 15°11	02°16' D 05°07'	04°29' N 06°59'	05°52' N 16°55'	05°17' N 22°47'	03°46' N 22°32'	03°34' N 16°18'	05°31' N 05°55'	08°03' S 05°39'	09°05' S 16°23'	07°08' S 22°39'	8
	Diff -6 Diff -8 03°19' S 22°11'	Diff 0 Diff -19 01°28' S 14°52'	Diff +3 Diff -23 02°19' S 04°44'	Diff +4 Diff +22 04°33' N 07°21'	Diff +1 Diff +17 05°53' N 17°12'	Diff -3 Diff +6 05°14' N 22°53'	Diff -2 Diff -7 03°44' N 22°25'	Diff +2 Diff -17 03°36' N 16°01'	Diff +5 Diff -23 05°36' N 05°32'	Diff +5 Diff +23 08°08' S 06°02'	Diff -1 Diff +18 09°04' S 16°41'	Diff -7 Diff +6 07°01' S 22°45'	•
9	Diff -7 Diff -9	Diff -1 Diff -20	Diff +4 Diff -24	Diff +4 Diff +23	Diff +1 Diff +16	Diff -3 Diff +5	Diff -3 Diff -7	Diff +2 Diff -17	Diff +5 Diff -22	Diff +4 Diff +23	Diff -1 Diff +17	Diff -7 Diff +6	9
10	03°12' S 22°02' Diff -6 Diff -9	01°27' S 14°32' Diff 0 Diff -19	02°23' S 04°20' Diff +4 Diff -23	04°37' N 07°44' Diff +4 Diff +22	05°54' N 17°28' Diff 0 Diff +15	05°11' N 22°58' Diff -3 Diff +4	03°41' N 22°18' Diff -2 Diff -7	03°38' N 15°44' Diff +2 Diff -18	05°41' N 05°10' Diff +5 Diff -23	08°12' S 06°25' Diff +4 Diff +23	09°03' S 16°58' Diff -2 Diff +17	06°54' S 22°51' Diff -7 Diff +6	10
11		01°27' S 14°13'	02°27' S 03°57'	04°41' N 08°06'	05°54' N 17°43'	05°08' N 23°02'	03°39' N 22°11'	03°40' N 15°26'	05°46' N 04°47'	08°16 S 06°48'	09°01' S 17°15'	06°47' S 22°57'	11
11	Diff -6 Diff -9	Diff 0 Diff –20	Diff +4 Diff -24	Diff +4 Diff +22	Diff +1 Diff +16	Diff -3 Diff +4	Diff -2 Diff -8	Diff +2 Diff -17	Diff +6 Diff -23	Diff +4 Diff +22	Diff -1 Diff +17	Diff -6 Diff +5	
12	03°00' S 21°44' Diff -5 Diff -10	01°27' S 13°53' Diff 0 Diff -20	02°31' S 03°33' Diff +4 Diff -23	04°45' N 08°28' Diff +4 Diff +22	05°55' N 17°59' Diff 0 Diff +15	05°05' N 23°06' Diff -3 Diff +4	03°37' N 22°03' Diff -2 Diff -9	03°42' N 15°09' Diff +3 Diff -19	05°52' N 04°24' Diff +5 Diff -23	08°20 S 07°10' Diff +3 Diff +23	09°00' S 17°32' Diff -2 Diff +16	06°41' S 23°02' Diff -7 Diff +4	12
13	02°55' S 21°34'	01°27' S 13°33'	02°35' S 03°10'	04°49' N 08°50'	05°55' N 18°14'	05°02' N 23°10'	03°35' N 21°54'	03°45' N 14°50'	05°57' N 04°01'	08°23' S 07°33'	08°58' S 17°48'	06°34' S 23°06'	13
	Diff -6 Diff -10	Diff +1 Diff -20 01°28' S 13°13'	Diff +4 Diff -24 02°39' S 02°46'	Diff +4 Diff +21 04°53' N 09°11'	Diff 0 Diff +15	Diff -3 Diff +4	Diff -2 Diff -8 03°33' N 21°46'	Diff +3 Diff -18 03°48' N 14°32'	Diff +5 Diff -23 06°02' N 03°38'	Diff +4 Diff +22 08°27' S 07°55'	Diff -2 Diff +16 08°56' S 18°04'	Diff -7 Diff +4	
14	Diff -6 Diff -10	Diff 0 Diff -20	Diff +4 Diff -24	Diff +4 Diff +22	Diff 0 Diff +14	Diff -3 Diff +3	Diff -1 Diff -9	Diff +2 Diff -18	Diff +5 Diff -23	Diff +4 Diff +23	Diff -3 Diff +16	Diff -8 Diff +4	14
15			02°43' S 02°22'	04°57' N 09°33'	05°55' N 18°43'	04°56' N 23°17'	03°32' N 21°37'	03°50' N 14°14'	06°07' N 03°15'	08°31' S 08°18'	08°53' S 18°20'	06°19' S 23°14'	15
40	Diff -5 Diff -11 02°38' S 21°03'	Diff +1 Diff -21 01°29' S 12°32'	Diff +4 Diff -23 02°47' S 01°59'	Diff +3 Diff +22 05°00' N 09°55'	Diff 0 Diff +15 05°55' N 18°58'	Diff -4 Diff +2 04°52' N 23°19'	Diff -2 Diff -10 03°30' N 21°27'	Diff +3 Diff -19 03°53' N 13°55'	Diff +6 Diff -23 06°13' N 02°52'	Diff +3 Diff +22 08°34' S 08°40'	Diff -2 Diff +15 08°51' S 18°35'	Diff -7 Diff +3 06°12' S 23°17'	40
16	Diff -5 Diff -12	Diff +1 Diff -21	Diff +4 Diff -24	Diff +4 Diff +21	Diff 0 Diff +13	Diff -3 Diff +2	Diff -1 Diff -10	Diff +3 Diff -19	Diff +5 Diff -23	Diff +3 Diff +22	Diff -3 Diff +15	Diff -7 Diff +3	16
17	02°33' S 20°51' Diff -5 Diff -12	01°30' S 21°11' Diff +1 Diff -21	02°51' S 01°35' Diff +5 Diff -24	05°04' N 10°16' Diff +3 Diff +21	05°55' N 19°11' Diff -1 Diff +14	04°49' N 23°21' Diff -3 Diff +2	03°29' N 21°17' Diff -2 Diff -10	03°56' N 13°36' Diff+3 Diff -19	06°18' N 02°29' Diff +5 Diff -23	08°37' \$ 09°02' Diff +3 Diff +22	08°48' S 18°50' Diff -3 Diff +15	06°05' S 23°20' Diff -7 Diff +2	17
18	02°28' S 20°39'	01°31' S 11°50'	02°56' S 01°11'	05°07' N 10°37'	05°54' N 19°25'	04°46' N 23°23'	03°27' N 21°07	03°59' N 13°17'	06°23' N 02°06'	08°40' S 09°24'	08°45' S 19°05'	05°58' S 23°22'	18
	Diff -5 Diff -12	Diff +1 Diff -21	Diff +4 Diff -24	Diff +4 Diff +21	Diff 0 Diff +13	Diff -3 Diff +2	Diff -1 Diff -10	Diff +4 Diff -19	Diff +6 Diff -23	Diff +3 Diff +22	Diff -3 Diff +14	Diff -8 Diff +2	10
19	02°23' S 20°27' Diff -4 Diff -12	01°32' S 11°29' Diff +1 Diff -21	03°00' S 00°47' Diff +4 Diff -23	05°11' N 10°58' Diff +3 Diff +21	05°54' N 19°38' Diff -1 Diff +13	04°43' N 23°25' Diff -4 Diff 0	03°26' N 20°57' Diff -1 Diff -11	04°03' N 12°58' Diff +3 Diff -20	06°29' N 01°43' Diff +5 Diff -24	08°43' S 09°46' Diff +3 Diff +21	08°42' S 19°19' Diff -3 Diff +14	05°50' S 23°24' Diff -7 Diff +1	19
20	02°19' S 20°15'	01°33' S 11°08'	03°04' S 00°24'	05°14' N 11°19'	05°53' N 19°51'	04°39' N 23°25'	03°25' N 20°46'	04°06' N 13°38'	06°34' N 01°19'	08°46' S 10°07'	08°39' S 19°33'	05°43' S 23°25'	20
	Diff -5 Diff -13 02°14' S 20°02'	Diff +2 Diff -22 01°35' S 10°46'	Diff +5 Diff -24 03°09' 00°00'	Diff +3 Diff +20 05°17' N 11°39'	Diff -1 Diff +13 05°52' N 20°04'	Diff -3 Diff +1 04°36' N 23°26'	Diff -1 Diff -11 03°24' N 20°35'	Diff +4 Diff -20 04°10' N 13°18'	Diff +6 Diff -23 06°40' N 00°56'	Diff +3 Diff +22 08°49' S 10°29'	Diff -4 Diff +13 08°35' S 19°46'	Diff -8 Diff +1 05°35' S 23°26'	
21	Diff -4 Diff -14	Diff +1 Diff -21	Diff +4 Diff +24	Diff +3 Diff +21	Diff -1 Diff +12	Diff -3 Diff 0	Diff 0 Diff -12	Diff +3 Diff -20	Diff +5 Diff -23	Diff +2 Diff +21	Diff -3 Diff +14	Diff -7 Diff 0	21
22	02°10' S 19°48'	01°36' S 10°25'	03°13' N 00°24'	05°20' N 12° 00'	05°51' N 20°16'	04°33' N 23°26'	03°24' N 20°23'	04°13' N 11°58'	06°45' N 00°33'	08°51' S 10°50'	08°32' S 20°00'	05°28' S 23°26'	22
23	Diff -4 Diff -13 02°06' S 19°35'	Diff +2 Diff -22 01°38' S 10°03'	Diff +5 Diff +23 03°18' N 00°47'	Diff +3 Diff +20 05°23' N 12°20'	Diff -1 Diff +12 05°50' N 20°28'	Diff -4 Diff 0 04°29' N 23°26'	Diff -1 Diff -12 03°23' N 20°11'	Diff +4 Diff -20 04°17' N 11°38'	Diff +5 Diff -24 06°50' N 00°09'	Diff +2 Diff +21 08°53' S 11°11'	Diff -4 Diff +13 08°28' S 20°13'	Diff -7 Diff 0 05°21' S 23°26'	23
23	Diff -4 Diff -14	Diff +2 Diff -22	Diff +4 Diff +24	Diff +3 Diff +20	Diff -1 Diff +11	Diff -3 Diff -1	Diff 0 Diff -12	Diff +4 Diff -20	Diff +5 Diff -23	Diff +3 Diff +21	Diff -4 Diff +12	Diff -8 Diff -1	23
24	02°02' S 19°21'	01°40' S 09°41' Diff +3 Diff -22	03°22' N 01°11'	05°26' N 12°40'	05°49' N 20°39' Diff -2 Diff +11	04°26' N 23°25' Diff -3 Diff -1	03°23 N 19°59' Diff -1 Diff -13	04°21' N 11°18'	06°55' S 00°14'	08°56' S 11°32'	08°24' S 20°25' Diff -5 Diff +12	05°13' S 23°25' Diff -7 Diff -1	24
25	01°58' S 19°06'		03°27' N 01°35'	05°28' N 13°00'	05°47' N 20°50'	04°23' N 23°24'	03°22' N 19°46'	04°25' N 10°57'	07°01' S 00°37'	08°58' S 11°53'	08°19' S 20°37'	05°06' S 23°24'	25
-	Diff -3 Diff -15 01°55' S 18°51'	Diff +2 Diff -23 01°45' S 08°56'	Diff +4 Diff +23 03°31' N 01°58'	Diff +3 Diff +19 05°31' N 13°19'	Diff -1 Diff+11 05°46' N 21°01'	Diff -3 Diff -2 04°20' N 23°22'	Diff 0 Diff -12 03°22' N 19°34'	Diff +4 Diff -20 04°29' N 10°37'	Diff +5 Diff +24	Diff +1 Diff +21 08°59' S 12°14'	Diff -4 Diff +12 08°15' S 20°49'	Diff -8 Diff -1	-
26	Diff -3 Diff -15	Diff +2 Diff -22	Diff +5 Diff +24	Diff +3 Diff +20	Diff -2 Diff +11	Diff -3 Diff -2	Diff 0 Diff -14	Diff +5 Diff -21	Diff +5 Diff +23	Diff +2 Diff +21	Diff -5 Diff +12	Diff -7 Diff -2	26
27	01°52' S 18°36'		03°36' N 02°22'	05°34' N 13°39'	05°44' N 21°12'	04°17' N 23°20'	03°22' N 19°20'	04°34' N 10°16'	07°11' \$ 01°24'	09°01' S 12°35'	08°10' S 21°01'	04°51' S 23°21'	27
20	Diff -4 Diff -15 01°48' S 18°21'	Diff +3 Diff -23 01°50' S 08°11'	Diff +4 Diff +23 03°40' N 02°45'	Diff +2 Diff +19 05°36' N 13°58'	Diff -1 Diff +10	Diff -3 Diff -2 04°14' N 23°18'	Diff 0 Diff -13 03°22' N 19°07'	Diff +4 Diff -21 04°38' N 09°55'	Diff +5 Diff +23 07°16' S 01°47'	Diff +1 Diff +20 09°02' S 12°55'	Diff -5 Diff +11 08°05' S 21°12'	Diff -7 Diff -3	
20	Diff -2 Diff -16	Diff +3 Diff -22	Diff +4 Diff +24	Diff +2 Diff +19	Diff -2 Diff +9	Diff -3 Diff -3	Diff +1 Diff -14	Diff +4 Diff -21	Diff +5 Diff +24	Diff +2 Diff +20	Diff -5 Diff +10	Diff -8 Diff -3	28
29	01°46' S 18°05' Diff -3 Diff -16	01°53' S 07°49' Diff 0 Diff -23	03°45' N 03°09' Diff +4 Diff +23	05°38' N 14°17' Diff +2 Diff +18	05°41 N 21°31' Diff -2 Diff +10	04°11' N23°15' Diff -3 Diff -3	03°23' N 18°53' Diff 0 Diff -14	04°42' N 09°34' Diff +5 Diff -21	07°21' S 02°11' Diff +5 Diff +23	09°04' S 13°15' Diff +1 Diff +20	08°00' S 21°22 Diff -5 Diff +10	04°36' S 23°15' Diff -7 Diff -3	29
30	01°43' S 17°49'	Dii 0 Dii -23	03°49' N 03°32'	05°40' N 14°35'	05°39' N 21°41'	04°08' N 23°12'	03°23' N 18°39'	04°47' N 09°13'	07°26' S 02°34'	09°05' S 13°35'	07°55' S 21°32'	04°29 S 23°12'	30
	Diff -2 Diff -16		Diff +5 Diff +23	Diff +2 Diff +19	Diff -2 Diff +9	Diff -3 Diff -4	Diff +1 Diff -15	Diff +5 Dif -22	Diff +5 Diff +23	Diff 0 Diff +19	Diff -5 Diff +10	Diff -7 Diff -4	30
31	01°41' S 17°33' Diff -3 Diff -17		03°54' N 03°55' Diff +4 Diff +24		05°37' N 21°50' Diff -2 Diff +8		03°24' N 18°24' Diff 0 Diff -14	04°52' N 08°51' Diff +4 Diff -22		09°05' S 13°54' Diff +1 Diff +20		04°22' S 23°08' Diff -10 Diff -4	31
	יווע ג- וווט		UIII +4 UIII +24		DIII -2 DIII +8	1		DIIT #4 DIIT -22	1			DIIT-10 DIIT-4	