

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

Modified HermanD 10-2016

| Month ► DAY ▼ | Januari | | Februari | | Maart | | April | | Mei | | Juni | | Juli | | Augustus | | September | | Oktober | | November | | December | | ◀ Month 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 | |
| 1 | 04°12' S 23°03' | | 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' | | 07°50' S 21°42' | | 1 |
| 2 | 04°05' S 22°58' | | 01°36' S 16°59' | | 01°56' S 07°26' | | 04°03' S 07°26' | | 05°44' N 15°12' | | 05°32' N 22°06' | | 04°02' N 23°04' | | 03°25' N 17°54' | | 05°01' N 08°08' | | 07°36' S 03°21' | | 09°07' S 14°33' | | 07°44' S 21°51' | | 2 |
| 3 | 03°58' S 22°53' | | 01°35' S 16°41' | | 01°59' S 07°03' | | 04°07' N 05°05' | | 05°46' N 15°30' | | 05°30' N 22°14' | | 03°59' N 23°00' | | 03°26' N 17°39' | | 05°06' N 07°46' | | 07°41' S 03°44' | | 09°07' S 14°52' | | 07°38' S 22°00' | | 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°27' | | 03°56' N 22°55' | | 03°28' N 17°23' | | 05°11' N 07°24' | | 07°46' S 04°07' | | 09°07' S 15°11' | | 07°33' S 22°09' | | 4 |
| 5 | 03°45' S 22°40' | | 01°32' S 16°06' | | 02°05' S 06°17' | | 04°16' N 05°51' | | 05°49' N 16°05' | | 05°25' N 22°29' | | 03°53' N 22°50' | | 03°29' N 17°08' | | 05°16' N 07°02' | | 07°50' S 04°30' | | 09°07' S 15°29' | | 07°27' S 22°17' | | 5 |
| 6 | 03°38' S 22°34' | | 01°30' S 15°48' | | 02°09' S 05°54' | | 04°20' N 06°14' | | 05°50' N 16°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 |
| 7 | 03°31' S 22°26' | | 01°29' S 15°29' | | 02°12' S 05°31' | | 04°25' N 06°36' | | 05°51' N 16°39' | | 05°20' N 22°41' | | 03°48' N 22°38' | | 03°32' N 16°35' | | 05°26' N 06°17' | | 07°59' S 05°16' | | 09°06' S 16°06' | | 07°14' S 22°32' | | 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 |
| 9 | 03°19' S 22°11' | | 01°28' S 14°52' | | 02°19' S 04°44' | | 04°33' N 07°21' | | 05°53' N 17°12' | | 05°14' N 22°53' | | 03°44' N 22°25' | | 03°36' N 16°01' | | 05°36' N 05°32' | | 08°08' S 06°02' | | 09°04' S 16°41' | | 07°01' S 22°45' | | 9 |
| 10 | 03°12' S 22°02' | | 01°27' S 14°32' | | 02°23' S 04°20' | | 04°37' N 07°44' | | 05°54' N 17°28' | | 05°11' N 22°58' | | 03°41' N 22°18' | | 03°38' N 15°44' | | 05°41' N 05°10' | | 08°12' S 06°25' | | 09°03' S 16°58' | | 06°54' S 22°51' | | 10 |
| 11 | 03°06' S 21°53' | | 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 |
| 12 | 03°00' S 21°44' | | 01°27' S 13°53' | | 02°31' S 03°33' | | 04°45' N 08°36' | | 05°55' N 17°59' | | 05°05' N 23°06' | | 03°37' N 22°03' | | 03°42' N 15°09' | | 05°52' N 04°24' | | 08°20' S 07°10' | | 09°00' S 17°32' | | 06°41' S 23°02' | | 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 |
| 14 | 02°49' S 21°24' | | 01°28' S 13°13' | | 02°39' S 02°46' | | 04°53' N 09°11' | | 05°55' N 18°29' | | 04°59' N 23°14' | | 03°33' N 21°46' | | 03°48' N 14°32' | | 06°02' N 03°38' | | 08°27' S 07°55' | | 08°56' S 18°04' | | 06°27' S 23°10' | | 14 |
| 15 | 02°43' S 21°14' | | 01°28' S 12°53' | | 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 |
| 16 | 02°38' S 21°03' | | 01°29' S 12°32' | | 02°47' S 01°59' | | 05°00' N 09°55' | | 05°55' N 18°58' | | 04°52' N 23°19' | | 03°30' N 21°27' | | 03°53' N 13°55' | | 06°13' N 02°52' | | 08°34' S 08°40' | | 08°51' S 18°15' | | 06°12' S 23°17' | | 16 |
| 17 | 02°33' S 20°51' | | 01°30' S 21°11' | | 02°51' S 01°35' | | 05°04' N 10°16' | | 05°55' N 19°11' | | 04°49' N 23°21' | | 03°29' N 21°17' | | 03°56' N 13°36' | | 06°18' N 02°29' | | 08°37' S 09°02' | | 08°48' S 18°50' | | 06°05' S 23°20' | | 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 |
| 19 | 02°23' S 20°27' | | 01°32' S 11°29' | | 03°00' S 00°47' | | 05°11' N 10°58' | | 05°54' N 19°38' | | 04°43' N 23°25' | | 03°26' N 20°57' | | 04°03' N 12°58' | | 06°29' N 01°43' | | 08°43' S 09°46' | | 08°42' S 19°19' | | 05°50' S 23°24' | | 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 |
| 21 | 02°14' S 20°02' | | 01°35' S 10°46' | | 03°09' 00°00' | | 05°17' N 11°39' | | 05°52' N 20°04' | | 04°36' N 23°26' | | 03°24' N 20°35' | | 04°10' N 13°18' | | 06°40' N 00°56' | | 08°49' S 10°29' | | 08°35' S 19°46' | | 05°35' S 23°26' | | 21 |
| 22 | 02°10' S 19°48' | | 01°36' S 10°25' | | 03°13' S 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 | 02°06' S 19°35' | | 01°38' S 10°03' | | 03°18' N 00°47' | | 05°23' N 12°20' | | 05°50' N 20°28' | | 04°29' N 23°26' | | 03°23' N 20°11' | | 04°17' N 11°38' | | 06°50' N 00°09' | | 08°53' S 11°11' | | 08°28' S 20°13' | | 05°21' S 23°26' | | 23 |
| 24 | 02°02' S 19°21' | | 01°40' S 09°41' | | 03°22' N 01°11' | | 05°26' N 12°40' | | 05°49' N 20°39' | | 04°26' N 23°25' | | 03°23' N 19°59' | | 04°21' N 11°18' | | 06°55' S 00°14' | | 08°56' S 11°32' | | 08°24' S 20°25' | | 05°13' S 23°25' | | 24 |
| 25 | 01°58' S 19°06' | | 01°43' S 09°19' | | 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 |
| 26 | 01°55' S 18°51' | | 01°45' S 08°56' | | 03°31' N 01°58' | | 05°31' N 13°19' | | 05°46' N 21°01' | | 04°20' N 23°22' | | 03°22' N 19°34' | | 04°29' N 10°37' | | 07°06' S 01°01' | | 08°59' S 12°14' | | 08°15' S 20°49' | | 04°58' S 23°23' | | 26 |
| 27 | 01°52' S 18°36' | | 01°47' S 08°34' | | 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' S 01°23' | | 09°01' S 12°35' | | 08°10' S 21°01' | | 04°51' S 23°21' | | 27 |
| 28 | 01°48' S 18°21' | | 01°50' S 08°11' | | 03°40' N 02°45' | | 05°36' N 13°58' | | 05°43' N 21°22' | | 04°14' N 23°18' | | 03°22' N 19°07' | | 04°38' N 09°55' | | 07°16' S 01°47' | | 09°02' S 12°55' | | 08°05' S 21°12' | | 04°44' S 23°18' | | 28 |
| 29 | 01°46' S 18°05' | | 01°53' S 07°49' | | 03°45' N 03°09' | | 05°38' N 14°17' | | 05°41' N 21°31' | | 04°11' N 23°15' | | 03°23' N 18°53' | | 04°42' N 09°34' | | 07°21' S 02°11' | | 09°04' S 13°15' | | 08°00' S 21°22' | | 04°36' S 23°15' | | 29 |
| 30 | 01°43' S 17°49' | | | | 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 |
| 31 | 01°41' S 17°33' | | | | 03°54' N 03°55' | | | | 05°37' N 21°50' | | | | 03°24' N 18°24' | | 04°52' N 08°51' | | | | 09°05' S 13°54' | | | | 04°22' S 23°08' | | 31 |