



# Astrodienst Ephemeris Tables for the year 1727

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming  
Dieter Koch and Alois Treindl  
based on Swiss Ephemeris  
Code D5EPX

# ASTRODIENST EPHEMERIS for the year 1727

## geocentric

JANUARY 1727

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 40 21	10°3'01"	13°22'	20°R15	4°54'	17°55'	15°59'	2°59'	16°38'	3°R55	5°28'	4°R47	5°10'	15°11'	9°4'	W 1
T 2	6 44 17	11°10'11"	25°55'	19°38'	6°10'	18°41'	16°3'	3°5'	16°40'	3°II54	5°28'	4°Y46	5°6'	15°17'	9°5'	T 2
F 3	6 48 14	12°11'20"	8°52'	18°12'	7°25'	19°28'	16°8'	3°12'	16°43'	3°52'	5°28'	4°44'	5°3'	15°24'	9°5'	F 3
S 4	6 52 10	13°12'29"	22°18'	17°0'	8°41'	20°15'	16°13'	3°19'	16°45'	3°51'	5°29'	4°39'	5°0'	15°31'	9°6'	S 4
S 5	6 56 7	14°13'37"	6°II14	15°42'	9°56'	21°1'	16°18'	3°26'	16°48'	3°50'	5°29'	4°32'	4°57'	15°37'	9°7'	S 5
M 6	7 0 3	15°14'45"	20°39'	14°22'	11°12'	21°48'	16°23'	3°33'	16°50'	3°49'	5°29'	4°22'	4°54'	15°44'	9°8'	M 6
T 7	7 4 0	16°15'53"	5°28'	13°2'	12°27'	22°35'	16°28'	3°40'	16°52'	3°48'	5°29'	4°10'	4°50'	15°51'	9°9'	T 7
W 8	7 7 57	17°17'00"	20°34'	11°45'	13°43'	23°22'	16°34'	3°47'	16°55'	3°47'	5°R29	3°59'	4°47'	15°58'	9°10'	W 8
T 9	7 11 53	18°18'07"	5°24'	10°33'	14°58'	24°9'	16°39'	3°54'	16°57'	3°45'	5°29'	3°48'	4°44'	16°4'	9°11'	T 9
F 10	7 15 50	19°19'14"	20°53'	9°27'	16°13'	24°56'	16°45'	4°1'	16°59'	3°44'	5°29'	3°40'	4°41'	16°11'	9°12'	F 10
S 11	7 19 46	20°20'20"	5°II47	8°30'	17°29'	25°43'	16°51'	4°8'	17°1'	3°43'	5°29'	3°35'	4°38'	16°18'	9°13'	S 11
S 12	7 23 43	21°21'26"	20°20'	7°42'	18°44'	26°30'	16°58'	4°15'	17°4'	3°42'	5°28'	3°32'	4°35'	16°24'	9°15'	S 12
M13	7 27 39	22°22'32"	4°29'	7°3'	20°0'	27°17'	17°4'	4°22'	17°6'	3°41'	5°28'	3°D32	4°31'	16°31'	9°16'	M13
T14	7 31 36	23°23'37"	18°14'	6°34'	21°15'	28°4'	17°10'	4°29'	17°8'	3°40'	5°28'	3°R32	4°28'	16°38'	9°17'	T14
W15	7 35 32	24°24'43"	1°II36	6°14'	22°31'	28°51'	17°17'	4°36'	17°10'	3°39'	5°28'	3°32'	4°25'	16°44'	9°19'	W15
T16	7 39 29	25°25'48"	14°39'	6°3'	23°46'	29°38'	17°24'	4°43'	17°12'	3°38'	5°28'	3°30'	4°22'	16°51'	9°20'	T16
F17	7 43 26	26°26'53"	27°25'	6°D1	25°1'	0°25'	17°31'	4°50'	17°13'	3°37'	5°27'	3°26'	4°19'	16°58'	9°22'	F17
S18	7 47 22	27°27'57"	9°25'	6°7'	26°17'	1°12'	17°38'	4°57'	17°15'	3°37'	5°27'	3°19'	4°16'	17°4'	9°23'	S18
S19	7 51 19	28°29'01"	22°18'	6°21'	27°32'	1°59'	17°46'	5°4'	17°17'	3°36'	5°27'	3°9'	4°12'	17°11'	9°25'	S19
M20	7 55 15	29°30'04"	4°30'	6°41'	28°48'	2°46'	17°53'	5°11'	17°19'	3°35'	5°26'	2°58'	4°9'	17°18'	9°27'	M20
T21	7 59 12	0°31'07"	16°35'	7°8'	0°33'	3°33'	18°1'	5°19'	17°21'	3°34'	5°26'	2°45'	4°6'	17°24'	9°28'	T21
W22	8 3 8	1°32'09"	28°33'	7°40'	1°19'	4°20'	18°9'	5°26'	17°22'	3°33'	5°25'	2°32'	4°3'	17°31'	9°30'	W22
T23	8 7 5	2°33'10"	10°27'	8°18'	2°34'	5°8'	18°16'	5°33'	17°24'	3°33'	5°25'	2°21'	4°0'	17°38'	9°32'	T23
F24	8 11 1	3°34'10"	22°17'	9°0'	3°49'	5°55'	18°25'	5°40'	17°25'	3°32'	5°24'	2°12'	3°56'	17°45'	9°34'	F24
S25	8 14 58	4°35'09"	4°35'	9°47'	5°5'	6°42'	18°33'	5°47'	17°27'	3°31'	5°24'	2°5'	3°53'	17°51'	9°36'	S25
S26	8 18 55	5°36'07"	15°54'	10°38'	6°20'	7°29'	18°41'	5°54'	17°28'	3°31'	5°23'	2°1'	3°50'	17°58'	9°38'	S26
M27	8 22 51	6°37'03"	27°47'	11°32'	7°35'	8°17'	18°50'	6°1'	17°30'	3°30'	5°22'	1°D59	3°47'	18°5'	9°40'	M27
T28	8 26 48	7°37'59"	9°Y47	12°29'	8°51'	9°4'	18°58'	6°9'	17°31'	3°30'	5°22'	2°0'	3°44'	18°11'	9°42'	T28
W29	8 30 44	8°38'53"	22°0'	13°29'	10°6'	9°51'	19°7'	6°16'	17°32'	3°29'	5°21'	2°1'	3°41'	18°18'	9°44'	W29
T30	8 34 41	9°39'46"	4°29'	14°32'	11°21'	10°39'	19°16'	6°23'	17°34'	3°29'	5°20'	2°R2	3°37'	18°25'	9°46'	T30
F31	8 38 37	10°40'37"	17°821	15°337	12°337	11°26	19°Y25	6°30	17°35	3°II28	5°20	2°Y1	3°Y34	18°31	9°Y48	F31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23s 5	5n59	0n45	20s24	1n33	23s44	0s20	23s16	1s 0	5n 6	1s18	20s 4	0s33	16s30	0n21	19n20
T 2	23 0	11 43	1 49	20 14	1 52	23 43	0 23	23 10	1 0	5 8	1 17	20 2	0 33	16 30	0 21	19 20
F 3	22 55	17 9	2 50	20 5	2 11	23 41	0 25	23 4	1 1	5 10	1 17	20 0	0 33	16 31	0 21	19 20
S 4	22 49	21 58	3 43	19 57	2 27	23 39	0 27	22 57	1 1	5 12	1 17	19 59	0 33	16 32	0 21	19 20
S 5	22 43	25 44	4 25	19 52	2 42	23 36	0 30	22 50	1 1	5 15	1 16	19 57	0 33	16 32	0 21	19 20
M 6	22 36	28 0	4 52	19 48	2 55	23 32	0 32	22 43	1 1	5 17	1 16	19 56	0 33	16 33	0 21	19 19
T 7	22 29	28 22	5 1	19 45	3 6	23 27	0 34	22 36	1 1	5 19	1 16	19 54	0 33	16 34	0 21	19 19
W 8	22 21	26 39	4 48	19 44	3 14	23 22	0 36	22 28	1 2	5 22	1 15	19 53	0 33	16 34	0 21	19 19
T 9	22 13	22 59	4 16	19 44	3 20	23 16	0 38	22 20	1 2	5 24	1 15	19 51	0 33	16 35	0 21	19 19
F 10	22 5	17 48	3 25	19 46	3 23	23 10	0 41	22 12	1 2	5 27	1 15	19 49	0 33	16 36	0 21	19 19
S 11	21 56	11 36	2 21	19 49	3 24	23 2	0 43	22 3	1 2	5 29	1 15	19 48	0 33	16 36	0 21	19 19
S 12	21 47	4 54	1 9	19 53	3 23	22 54	0 45	21 55	1 2	5 32	1 14	19 46	0 34	16 37	0 21	19 19
M13	21 37	1s52	0s 5	19 58	3 20	22 45	0 47	21 46	1 3	5 34	1 14	19 45	0 34	16 37	0 21	19 18
T14	21 27	8 21	1 17	20 4	3 15	22 36	0 49	21 36	1 3	5 37	1 14	19 43	0 34	16 38	0 21	19 18
W15	21 16	14 17	2 23	20 11	3 9	22 26	0 51	21 27	1 3	5 40	1 13	19 41	0 34	16 38	0 21	19 18
T16	21 5	19 26	3 5	20 19	3 2	22 15	0 53	21 17	1 3	5 43	1 13	19 40	0 34	16 39	0 21	19 18
F17	20 54	23 36	4 20	20 27	2 53	22 3	0 54	21 7	1 3	5 46	1 13	19 38	0 34	16 40	0 22	19 18
S18	20 42	26 34	4 38	20 36	2 45	21 51	0 56	20 57	1 3	5 49	1 13	19 36	0 34	16 40	0 22	19 18
S19	20 30	28 12	4 57	20 45	2 35	21 38	0 58	20 47	1 4	5 52	1 12	19 35	0 34	16 41	0 22	19 18
M20	20 17	28 26	5 2	20 53	2 25	21 24	1 0	20 36	1 4	5 55	1 12	19 33	0 34	16 41	0 22	19 18
T21	20 4	27 18	4 54	21 2	2 15	21 10	1 1	20 25	1 4	5 58	1 12	19 31	0 34	16 42	0 22	19 17
W22	19 51	24 56	4 32	21 11	2 5	20 56	1 3	20 14	1 4	6 1	1 12	19 30	0 34	16 42	0 22	19 17
T23	19 37	21 29	3 59	21 19	1 54	20 40	1 5	20 3	1 4	6 5	1 11	19 28	0 34	16 42	0 22	19 17
F24	19 23	17 11	3 16	21 27	1 44	20 24	1 6	19 52	1 4	6 8	1 11	19 26	0 34	16 43	0 22	19 17
S25	19 9	12 15	2 24	21 34	1 33	20 7	1 8	19 40	1 4	6 11	1 11	19 25	0 34	16 43	0 22	19 17
S26	18 54	6 53	1 25	21 40	1 23	19 50	1 9	19 28	1 4	6 15	1 11	19 23	0 34	16 44	0 22	19 17
M27	18 39	1 14	0 23	21 46	1 13	19 32	1 11	19 16	1 4	6 18	1 10	19 21	0 35	16 44	0 22	19 17
T28	18 23	4n31	0n42	21 51	1 2	19 14	1 12	19 3	1 4	6 22	1 10	19 20	0 35	16 44	0 22	19 17
W29	18 8	10 13	1 46	21 56	0 52	18 55	1 13	18 51	1 5	6 25	1 10	19 18	0 35	16 45	0 22	19 17
T30	17 52	15 38	2 46	21 59	0 42	18 36	1 15	18 38	1 5	6 29	1 10	19 16	0 35	16 45	0 22	19 17
F31	17s35	20n33	3n39	22s 1	0n33	18s16	1s16	18s25	1s 5	6n33	1s 9	19s14	0s35	16s45	0n22	19n17

Julian Day Number = 2351833.5, Delta T = 10.82 sec  
 Ecliptic obliquity = 23°28'38", Nutation = - 0°00'01", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 20°55'45", Lahiri = 20°02'45"Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1727

## geocentric

FEBRUARY 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 42 34	11 <sup>44</sup> 1'28	0 <sup>11</sup> 38	16 <sup>3</sup> 45	13 <sup>38</sup> 52	12 <sup>38</sup> 13	19 <sup>17</sup> 35	6 <sup>38</sup> 37	17 <sup>11</sup> 36	3 <sup>10</sup> 28	5 <sup>10</sup> 19	2 <sup>10</sup> 0	3 <sup>17</sup> 31	18 <sup>38</sup> 38	9 <sup>17</sup> 51	S 1
S 2	8 46 30	12 <sup>42</sup> 16	14 <sup>25</sup>	17 <sup>55</sup>	15 <sup>7</sup>	13 <sup>0</sup>	19 <sup>44</sup>	6 <sup>44</sup>	17 <sup>37</sup>	3 <sup>11</sup> 27	5 <sup>18</sup>	1 <sup>17</sup> 56	3 <sup>28</sup>	18 <sup>45</sup>	9 <sup>53</sup>	S 2
M 3	8 50 27	13 <sup>43</sup> 04	28 <sup>41</sup>	19 <sup>6</sup>	16 <sup>22</sup>	13 <sup>48</sup>	19 <sup>53</sup>	6 <sup>51</sup>	17 <sup>38</sup>	3 <sup>27</sup>	5 <sup>17</sup>	1 <sup>50</sup>	3 <sup>25</sup>	18 <sup>51</sup>	9 <sup>55</sup>	M 3
T 4	8 54 24	14 <sup>43</sup> 49	13 <sup>38</sup> 25	20 <sup>20</sup>	17 <sup>38</sup>	14 <sup>35</sup>	20 <sup>3</sup>	6 <sup>59</sup>	17 <sup>39</sup>	3 <sup>27</sup>	5 <sup>16</sup>	1 <sup>43</sup>	3 <sup>22</sup>	18 <sup>58</sup>	9 <sup>58</sup>	T 4
W 5	8 58 20	15 <sup>44</sup> 34	28 <sup>30</sup>	21 <sup>35</sup>	18 <sup>53</sup>	15 <sup>23</sup>	20 <sup>13</sup>	7 <sup>6</sup>	17 <sup>40</sup>	3 <sup>26</sup>	5 <sup>15</sup>	1 <sup>35</sup>	3 <sup>18</sup>	19 <sup>5</sup>	10 <sup>0</sup>	W 5
T 6	9 2 17	16 <sup>45</sup> 17	13 <sup>38</sup> 47	22 <sup>51</sup>	20 <sup>8</sup>	16 <sup>10</sup>	20 <sup>23</sup>	7 <sup>13</sup>	17 <sup>41</sup>	3 <sup>26</sup>	5 <sup>14</sup>	1 <sup>29</sup>	3 <sup>15</sup>	19 <sup>11</sup>	10 <sup>3</sup>	T 6
F 7	9 6 13	17 <sup>45</sup> 58	29 <sup>5</sup>	24 <sup>9</sup>	21 <sup>23</sup>	16 <sup>57</sup>	20 <sup>33</sup>	7 <sup>20</sup>	17 <sup>42</sup>	3 <sup>26</sup>	5 <sup>13</sup>	1 <sup>23</sup>	3 <sup>12</sup>	19 <sup>18</sup>	10 <sup>5</sup>	F 7
S 8	9 10 10	18 <sup>46</sup> 38	14 <sup>11</sup> 14	25 <sup>29</sup>	22 <sup>38</sup>	17 <sup>45</sup>	20 <sup>43</sup>	7 <sup>27</sup>	17 <sup>42</sup>	3 <sup>26</sup>	5 <sup>12</sup>	1 <sup>20</sup>	3 <sup>9</sup>	19 <sup>25</sup>	10 <sup>8</sup>	S 8
S 9	9 14 6	19 <sup>47</sup> 17	29 <sup>5</sup>	26 <sup>49</sup>	23 <sup>54</sup>	18 <sup>32</sup>	20 <sup>53</sup>	7 <sup>34</sup>	17 <sup>43</sup>	3 <sup>26</sup>	5 <sup>11</sup>	1 <sup>19</sup>	3 <sup>6</sup>	19 <sup>32</sup>	10 <sup>10</sup>	S 9
M10	9 18 3	20 <sup>47</sup> 55	13 <sup>38</sup> 30	28 <sup>11</sup>	25 <sup>9</sup>	19 <sup>19</sup>	21 <sup>3</sup>	7 <sup>41</sup>	17 <sup>44</sup>	3 <sup>25</sup>	5 <sup>10</sup>	1 <sup>19</sup>	3 <sup>2</sup>	19 <sup>38</sup>	10 <sup>13</sup>	M10
T 11	9 21 59	21 <sup>48</sup> 31	27 <sup>29</sup>	29 <sup>35</sup>	26 <sup>24</sup>	20 <sup>7</sup>	21 <sup>14</sup>	7 <sup>48</sup>	17 <sup>44</sup>	3 <sup>25</sup>	5 <sup>9</sup>	1 <sup>21</sup>	2 <sup>59</sup>	19 <sup>45</sup>	10 <sup>16</sup>	T 11
W12	9 25 56	22 <sup>49</sup> 07	11 <sup>11</sup> 1	0 <sup>38</sup> 59	27 <sup>39</sup>	20 <sup>54</sup>	21 <sup>24</sup>	7 <sup>55</sup>	17 <sup>45</sup>	3 <sup>25</sup>	5 <sup>8</sup>	1 <sup>22</sup>	2 <sup>56</sup>	19 <sup>52</sup>	10 <sup>18</sup>	W12
T 13	9 29 53	23 <sup>49</sup> 41	24 <sup>8</sup>	2 <sup>24</sup>	28 <sup>54</sup>	21 <sup>42</sup>	21 <sup>35</sup>	8 <sup>2</sup>	17 <sup>45</sup>	3 <sup>25</sup>	5 <sup>7</sup>	1 <sup>23</sup>	2 <sup>53</sup>	19 <sup>58</sup>	10 <sup>21</sup>	T 13
F 14	9 33 49	24 <sup>50</sup> 14	6 <sup>38</sup> 53	3 <sup>51</sup>	0 <sup>18</sup> 9	22 <sup>29</sup>	21 <sup>46</sup>	8 <sup>9</sup>	17 <sup>46</sup>	3 <sup>25</sup>	5 <sup>6</sup>	1 <sup>22</sup>	2 <sup>50</sup>	20 <sup>5</sup>	10 <sup>24</sup>	F 14
S 15	9 37 46	25 <sup>50</sup> 46	19 <sup>21</sup>	5 <sup>19</sup>	1 <sup>24</sup>	23 <sup>16</sup>	21 <sup>57</sup>	8 <sup>16</sup>	17 <sup>46</sup>	3 <sup>25</sup>	5 <sup>5</sup>	1 <sup>19</sup>	2 <sup>47</sup>	20 <sup>12</sup>	10 <sup>27</sup>	S 15
S 16	9 41 42	26 <sup>51</sup> 16	1 <sup>38</sup> 35	6 <sup>47</sup>	2 <sup>40</sup>	24 <sup>4</sup>	22 <sup>8</sup>	8 <sup>23</sup>	17 <sup>46</sup>	3 <sup>26</sup>	5 <sup>4</sup>	1 <sup>15</sup>	2 <sup>43</sup>	20 <sup>18</sup>	10 <sup>30</sup>	S 16
M17	9 45 39	27 <sup>51</sup> 45	13 <sup>39</sup>	8 <sup>17</sup>	3 <sup>55</sup>	24 <sup>51</sup>	22 <sup>19</sup>	8 <sup>30</sup>	17 <sup>47</sup>	3 <sup>26</sup>	5 <sup>2</sup>	1 <sup>10</sup>	2 <sup>40</sup>	20 <sup>25</sup>	10 <sup>32</sup>	M17
T 18	9 49 35	28 <sup>52</sup> 13	25 <sup>35</sup>	9 <sup>48</sup>	5 <sup>10</sup>	25 <sup>39</sup>	22 <sup>30</sup>	8 <sup>37</sup>	17 <sup>47</sup>	3 <sup>26</sup>	5 <sup>1</sup>	1 <sup>4</sup>	2 <sup>37</sup>	20 <sup>32</sup>	10 <sup>35</sup>	T 18
W19	9 53 32	29 <sup>52</sup> 39	7 <sup>38</sup> 27	11 <sup>19</sup>	6 <sup>25</sup>	26 <sup>26</sup>	22 <sup>41</sup>	8 <sup>44</sup>	17 <sup>47</sup>	3 <sup>26</sup>	5 <sup>0</sup>	0 <sup>58</sup>	2 <sup>34</sup>	20 <sup>38</sup>	10 <sup>38</sup>	W19
T 20	9 57 29	0 <sup>18</sup> 53'04	19 <sup>16</sup>	12 <sup>52</sup>	7 <sup>40</sup>	27 <sup>13</sup>	22 <sup>52</sup>	8 <sup>50</sup>	17 <sup>47</sup>	3 <sup>26</sup>	4 <sup>59</sup>	0 <sup>52</sup>	2 <sup>31</sup>	20 <sup>45</sup>	10 <sup>41</sup>	T 20
F 21	10 1 25	1 <sup>53</sup> 27	1 <sup>18</sup> 6	14 <sup>26</sup>	8 <sup>55</sup>	28 <sup>1</sup>	23 <sup>4</sup>	8 <sup>57</sup>	17 <sup>47</sup>	3 <sup>26</sup>	4 <sup>57</sup>	0 <sup>48</sup>	2 <sup>28</sup>	20 <sup>52</sup>	10 <sup>44</sup>	F 21
S 22	10 5 22	2 <sup>53</sup> 48	12 <sup>56</sup>	16 <sup>0</sup>	10 <sup>10</sup>	28 <sup>48</sup>	23 <sup>15</sup>	9 <sup>4</sup>	17 <sup>47</sup>	3 <sup>27</sup>	4 <sup>56</sup>	0 <sup>45</sup>	2 <sup>24</sup>	20 <sup>58</sup>	10 <sup>47</sup>	S 22
S 23	10 9 18	3 <sup>54</sup> 07	24 <sup>50</sup>	17 <sup>36</sup>	11 <sup>25</sup>	29 <sup>36</sup>	23 <sup>27</sup>	9 <sup>11</sup>	17 <sup>47</sup>	3 <sup>27</sup>	4 <sup>55</sup>	0 <sup>44</sup>	2 <sup>21</sup>	21 <sup>5</sup>	10 <sup>51</sup>	S 23
M24	10 13 15	4 <sup>54</sup> 25	6 <sup>17</sup> 50	19 <sup>13</sup>	12 <sup>40</sup>	0 <sup>18</sup> 23	23 <sup>39</sup>	9 <sup>17</sup>	17 <sup>47</sup>	3 <sup>27</sup>	4 <sup>53</sup>	0 <sup>44</sup>	2 <sup>18</sup>	21 <sup>12</sup>	10 <sup>54</sup>	M24
T 25	10 17 11	5 <sup>54</sup> 40	18 <sup>58</sup>	20 <sup>51</sup>	13 <sup>55</sup>	1 <sup>10</sup>	23 <sup>51</sup>	9 <sup>24</sup>	17 <sup>47</sup>	3 <sup>28</sup>	4 <sup>52</sup>	0 <sup>45</sup>	2 <sup>15</sup>	21 <sup>18</sup>	10 <sup>57</sup>	T 25
W26	10 21 8	6 <sup>54</sup> 54	1 <sup>18</sup> 17	22 <sup>29</sup>	15 <sup>10</sup>	1 <sup>58</sup>	24 <sup>3</sup>	9 <sup>31</sup>	17 <sup>46</sup>	3 <sup>28</sup>	4 <sup>50</sup>	0 <sup>46</sup>	2 <sup>12</sup>	21 <sup>25</sup>	11 <sup>0</sup>	W26
T 27	10 25 4	7 <sup>55</sup> 06	13 <sup>51</sup>	24 <sup>9</sup>	16 <sup>24</sup>	2 <sup>45</sup>	24 <sup>15</sup>	9 <sup>37</sup>	17 <sup>46</sup>	3 <sup>29</sup>	4 <sup>49</sup>	0 <sup>48</sup>	2 <sup>8</sup>	21 <sup>32</sup>	11 <sup>3</sup>	T 27
F 28	10 29 1	8 <sup>55</sup> 15	26 <sup>38</sup> 43	25 <sup>38</sup> 50	17 <sup>18</sup> 39	3 <sup>18</sup> 32	24 <sup>17</sup> 27	9 <sup>38</sup> 44	17 <sup>11</sup> 46	3 <sup>11</sup> 29	4 <sup>48</sup>	0 <sup>17</sup> 49	2 <sup>17</sup> 5	21 <sup>38</sup> 38	11 <sup>17</sup> 6	F 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s18	24n36	4n23	22s 3	0n23	17s55	1s17	18s12	1s 5	6n36	1s 9	19s13	0s35	16s46	0n22	19n17	1s38	13n32	17n 5	0n48	1n24	18s43	5n31	1n45			
S 2	17 1	27 26	4 54	22 3	0 14	17 34	1 18	17 58	1 5	6 40	1 9	19 11	0 35	16 46	0 22	19 17	1 38	13 33	17 5	0 46	1 23	18 40	5 31	1 45			
M 3	16 44	28 36	5 7	22 2	0 5	17 13	1 19	17 45	1 5	6 44	1 9	19 9	0 35	16 46	0 22	19 17	1 38	13 34	17 6	0 44	1 22	18 38	5 32	1 44			
T 4	16 26	27 48	5 1	22 0	0s 4	16 51	1 20	17 31	1 5	6 48	1 8	19 7	0 35	16 47	0 22	19 17	1 38	13 35	17 6	0 41	1 20	18 35	5 33	1 44			
W 5	16 9	24 59	4 35	21 57	0 13	16 28	1 21	17 17	1 5	6 52	1 8	19 6	0 35	16 47	0 22	19 17	1 37	13 35	17 6	0 38	1 19	18 32	5 34	1 44			
T 6	15 50	20 21	3 48	21 53	0 21	16 5	1 22	17 3	1 5	6 56	1 8	19 4	0 35	16 47	0 22	19 17	1 37	13 36	17 7	0 35	1 18	18 30	5 35	1 44			
F 7	15 32	14 23	2 45	21 48	0 29	15 42	1 22	16 49	1 5	6 59	1 8	19 2	0 35	16 47	0 22	19 17	1 37	13 37	17 7	0 33	1 16	18 27	5 35	1 44			
S 8	15 13	7 37	1 31	21 41	0 37	15 18	1 23	16 34	1 5	7 3	1 7	19 1	0 35	16 47	0 22	19 17	1 37	13 38	17 8	0 32	1 15	18 24	5 36	1 44			
S 9	14 54	0 33	0 12	21 34	0 45	14 54	1 24	16 19	1 5	7 8	1 7	18 59	0 36	16 48	0 22	19 17	1 37	13 38	17 8	0 31	1 14	18 21	5 37	1 43			
M10	14 35	6s21	1s 6	21 25	0 52	14 29	1 24	16 5	1 5	7 12	1 7	18 57	0 36	16 48	0 22	19 17	1 37	13 39	17 9	0 32	1 13	18 19	5 38	1 43			
T 11	14 16	12 44	2 17	21 14	0 59	14 4	1 25	15 50	1 5	7 16	1 7	18 55	0 36	16 48	0 22	19 17	1 37	13 40	17 9	0 32	1 11	18 16	5 39	1 43			
W12	13 56	18 18	3 19	21 3	1 6	13 39	1 25	15 34	1 5	7 20	1 7	18 54	0 36	16 48	0 22	19 17	1 37	13 41	17 10	0 33	1 10	18 13	5 40	1 43			
T 13	13 36	22 50	4 8	20 50	1 12	13 13	1 26	15 19	1 5	7 24	1 6	18 52	0 36	16 48	0 22	19 17	1 37	13 42	17 10	0 33	1 9	18 10	5 41	1 43			
F 14	13 16	26 9	4 44	20 36	1 18	12 47	1 26	15 4	1 5	7 28	1 6	18 50	0 36	16 48	0 22	19 17	1 37	13 43	17 10	0 33	1 8	18 8	5 42	1 43			
S 15	12 55	28 7	5 5	20 20	1 24	12 20	1 26	14 48	1 5	7 32	1 6	18 48	0 36	16 48	0 22	19 17	1 37	13 43	17 11	0 32	1 6	18 5	5 43	1 43			
S 16	12 35	28 39	5 11	20 3	1 30	11 53	1 27	14 32	1 5	7 37	1 6	18 47	0 36	16 48	0 22	19 17	1 37	13 44	17 11	0 30	1 5	18 2	5 44	1 43			
M17	12 14	27 49	5 4	19 45	1 35	11 26	1 27	14 16	1 5	7 41	1 6	18 45	0 36	16 49	0 22	19 17	1 37	13 45	17 12	0 28	1 4	17 59	5 45	1 42			
T 18	11 53	25 42	4 44	19 26	1 40	10 59	1 27	14 0	1 5	7 45	1 5	18 43	0 36	16 49	0 22	19 18	1 37	13 46	17 12	0 25	1 3	17 57	5 46	1 42			
W19	11 32	22 29	4 11	19 5	1 44	10 31	1 27	13 44	1 4	7 50	1 5	18 42	0 36	16 49	0 22	19 18	1 37	13 47	17 12	0 23	1 1	17 54	5 47	1 42			
T 20	11 11	18 21	3 28	18 43	1 48	10 3	1 27	13 28	1 4	7 54	1 5	18 40	0 36	16 49	0 22	19 18	1 37	13 48	17 13	0 21	1 0	17 51	5 48	1 42			
F 21	10 49	13 31	2 35	18 19	1 52	9 35	1 27	13 11	1 4	7 59	1 5	18 38	0 37	16 49	0 22	19 18	1 36	13 48	17 13	0 19	0 59	17 48	5 49	1 42			
S 22	10 27	8 12	1 36	17 54	1 56	9 6	1 27	12 55	1 4	8 3	1 5	18 36	0 37	16 49	0 22	19 18	1 36	13 49	17 13	0 18	0 57	17 45	5 50	1 42			
S 23	10 6	2 33	0 32	17 28	1 59	8 38	1 26	12 38	1 4	8 8	1 4	18 35	0 37	16 49	0 22	19 18	1 36	13 50	17 14	0 17	0 56	17 43	5 51	1 42			
M24	9 44	3n14	0n34	17 1	2 2	8 9	1 26	12 21	1 4	8 12	1 4	18 33	0 37	16 49	0 22	19 18	1 36	13 51	17 14	0 17	0 55	17 40	5 52	1 41			
T 25	9 21	8 58	1 39	16 32	2 4	7 39	1 26	12 4	1 4	8 17	1 4	18 31	0 37	16 48	0 22	19 18	1 36	13 52	17 14	0 18	0 54	17 37	5 54	1 41			
W26	8 59	14 27	2 40	16 1	2 6	7 10	1 25	11 47	1 4	8 21	1 4	18 30	0 37	16 48	0 22	19 18	1 36	13 53	17 15	0 18	0 52	17 34	5 55	1 41			
T 27	8 37	19 27	3 36	15 30	2 7	6 41	1 25	11 30	1 4	8 26	1 4	18 28	0 37	16 48	0 22	19 19	1 36	13 53	17 15	0 19	0 51	17 31	5 56	1 41			
F 28	8s14	23n41	4n22	14s57	2s 9	6s11	1s24	11s13	1s 3	8n30	1s 3	18s26	0s37	16s48	0n22	19n19	1s36	13n54	17n15	0n20	0n50	17s29	5n57	1n41			

ASTRODIENST EPHEMERIS for the year 1727  
geocentric

MARCH 1727

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	10 32 57	9♈55'23	9♊56	27♎32	18♋54	4♌20	24♍39	9♎50	17♏R45	3♐30	4♑R46	0♒R50	2♓2	21♈45	11♉10	S 1
S 2	10 36 54	10°55'28	23°33	29°15	20° 9	5° 7	24°51	9°57	17♎45	3°30	4♎45	0♏49	1°59	21°52	11°13	S 2
M 3	10 40 51	11°55'32	7♎36	0♋59	21°24	5°54	25° 3	10° 3	17°44	3°31	4°43	0°48	1°56	21°58	11°16	M 3
T 4	10 44 47	12°55'33	22° 3	2°44	22°39	6°41	25°16	10°10	17°44	3°32	4°42	0°46	1°53	22° 5	11°20	T 4
W 5	10 48 44	13°55'32	6♎51	4°30	23°53	7°29	25°28	10°16	17°43	3°32	4°40	0°44	1°49	22°12	11°23	W 5
T 6	10 52 40	14°55'29	21°54	6°17	25° 8	8°16	25°41	10°23	17°43	3°33	4°39	0°42	1°46	22°18	11°26	T 6
F 7	10 56 37	15°55'24	7♎3	8° 6	26°23	9° 3	25°53	10°29	17°42	3°34	4°37	0°40	1°43	22°25	11°30	F 7
S 8	11 0 33	16°55'16	22° 9	9°56	27°37	9°50	26° 6	10°35	17°41	3°35	4°35	0°39	1°40	22°32	11°33	S 8
S 9	11 4 30	17°55'07	7♎4	11°46	28°52	10°38	26°19	10°41	17°40	3°35	4°34	0°D39	1°37	22°39	11°37	S 9
M10	11 8 26	18°54'56	21°38	13°38	0♏7	11°25	26°32	10°47	17°39	3°36	4°32	0°40	1°34	22°45	11°40	M10
T 11	11 12 23	19°54'43	5♎48	15°31	1°21	12°12	26°44	10°54	17°38	3°37	4°31	0°41	1°30	22°52	11°44	T 11
W12	11 16 20	20°54'29	19°31	17°25	2°36	12°59	26°57	11° 0	17°38	3°38	4°29	0°42	1°27	22°59	11°47	W12
T 13	11 20 16	21°54'12	2♎48	19°21	3°50	13°46	27°10	11° 6	17°36	3°39	4°28	0°42	1°24	23° 5	11°51	T 13
F 14	11 24 13	22°53'55	15°40	21°17	5° 5	14°33	27°23	11°12	17°35	3°40	4°26	0°43	1°21	23°12	11°54	F 14
S 15	11 28 9	23°53'35	28°10	23°15	6°19	15°20	27°37	11°18	17°34	3°41	4°24	0°R43	1°18	23°19	11°58	S 15
S 16	11 32 6	24°53'14	10♎24	25°13	7°34	16° 7	27°50	11°23	17°33	3°42	4°23	0°43	1°14	23°25	12° 1	S 16
M17	11 36 2	25°52'51	22°26	27°12	8°48	16°55	28° 3	11°29	17°32	3°43	4°21	0°42	1°11	23°32	12° 5	M17
T 18	11 39 59	26°52'26	4♎19	29°12	10° 3	17°42	28°16	11°35	17°31	3°44	4°19	0°42	1° 8	23°39	12° 8	T 18
W19	11 43 55	27°51'59	16° 8	1♏13	11°17	18°29	28°30	11°41	17°29	3°45	4°18	0°41	1° 5	23°45	12°12	W19
T 20	11 47 52	28°51'30	27°57	3°14	12°32	19°16	28°43	11°46	17°28	3°46	4°16	0°41	1° 2	23°52	12°16	T 20
F 21	11 51 49	29°50'59	9♎47	5°15	13°46	20° 2	28°56	11°52	17°27	3°47	4°14	0°41	0°59	23°59	12°19	F 21
S 22	11 55 45	0♏50'27	21°43	7°17	15° 0	20°49	29°10	11°57	17°25	3°49	4°13	0°D41	0°55	24° 5	12°23	S 22
S 23	11 59 42	1°49'52	3♏46	9°19	16°15	21°36	29°23	12° 3	17°24	3°50	4°11	0°R41	0°52	24°12	12°27	S 23
M24	12 3 38	2°49'16	15°58	11°20	17°29	22°23	29°37	12° 8	17°22	3°51	4° 9	0°41	0°49	24°19	12°30	M24
T 25	12 7 35	3°48'37	28°21	13°20	18°43	23°10	29°51	12°14	17°21	3°52	4° 8	0°40	0°46	24°25	12°34	T 25
W26	12 11 31	4°47'56	10♎55	15°20	19°58	23°57	0♎4	12°19	17°19	3°54	4° 6	0°40	0°43	24°32	12°38	W26
T 27	12 15 28	5°47'13	23°43	17°18	21°12	24°44	0°18	12°24	17°17	3°55	4° 4	0°39	0°39	24°39	12°41	T 27
F 28	12 19 24	6°46'28	6♊46	19°14	22°26	25°30	0°32	12°29	17°16	3°56	4° 3	0°39	0°36	24°45	12°45	F 28
S 29	12 23 21	7°45'40	20° 5	21° 8	23°40	26°17	0°46	12°34	17°14	3°58	4° 1	0°38	0°33	24°52	12°49	S 29
S 30	12 27 18	8°44'50	3♎41	23° 0	24°54	27° 4	0°59	12°39	17°12	3°59	3°59	0°D38	0°30	24°59	12°52	S 30
M31	12 31 14	9♏43'58	17♎35	24♏48	26♏8	27♋50	1♎13	12°44	17♎11	4♊1	3♎58	0♏38	0♏27	25°55	12°56	M31

Day	☉	☽		♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s52	26n50	4n55	14s22	2s 9	5s41	1s24	10s55	1 s 3	8n35	1 s 3	18s25	0s37	16s48	0n22	19n19	1s36	13n55	17n16	0n20	0n49	17s26	5n58	1n41	
S 2	7 29	28 32	5 13	13 47	2 10	5 11	1 23	10 38	1 3	8 40	1 3	18 23	0 37	16 48	0 22	19 19	1 36	13 56	17 16	0 20	0 47	17 23	5 59	1 41	
M 3	7 6	28 28	5 13	13 10	2 9	4 41	1 22	10 20	1 3	8 44	1 3	18 21	0 38	16 48	0 22	19 19	1 36	13 57	17 16	0 19	0 46	17 20	6 1	1 41	
T 4	6 43	26 31	4 54	12 31	2 9	4 10	1 21	10 2	1 3	8 49	1 3	18 20	0 38	16 48	0 22	19 19	1 36	13 58	17 16	0 18	0 45	17 17	6 2	1 40	
W 5	6 20	22 42	4 15	11 52	2 8	3 40	1 21	9 45	1 3	8 54	1 3	18 18	0 38	16 47	0 22	19 20	1 36	13 58	17 17	0 17	0 44	17 14	6 3	1 40	
T 6	5 57	17 21	3 18	11 10	2 6	3 9	1 20	9 27	1 2	8 58	1 2	18 16	0 38	16 47	0 22	19 20	1 36	13 59	17 17	0 17	0 42	17 12	6 4	1 40	
F 7	5 34	10 54	2 7	10 28	2 4	2 39	1 19	9 9	1 2	9 3	1 2	18 15	0 38	16 47	0 22	19 20	1 36	14 0	17 17	0 16	0 41	17 9	6 5	1 40	
S 8	5 10	3 50	0 47	9 44	2 2	2 8	1 18	8 51	1 2	9 8	1 2	18 13	0 38	16 47	0 22	19 20	1 36	14 1	17 17	0 16	0 40	17 6	6 7	1 40	
S 9	4 47	3s21	0s35	8 59	1 59	1 37	1 16	8 33	1 2	9 13	1 2	18 12	0 38	16 47	0 22	19 20	1 36	14 2	17 18	0 16	0 39	17 3	6 8	1 40	
M10	4 24	10 12	1 54	8 13	1 55	1 6	1 15	8 15	1 2	9 17	1 2	18 10	0 38	16 46	0 22	19 21	1 35	14 2	17 18	0 16	0 37	17 0	6 9	1 40	
T 11	4 0	16 21	3 3	7 26	1 51	0 36	1 14	7 56	1 1	9 22	1 2	18 9	0 38	16 46	0 22	19 21	1 35	14 3	17 18	0 16	0 36	16 57	6 10	1 40	
W12	3 37	21 28	3 59	6 37	1 47	0 5	1 13	7 38	1 1	9 27	1 2	18 7	0 38	16 46	0 22	19 21	1 35	14 4	17 18	0 17	0 35	16 54	6 12	1 40	
T 13	3 13	25 20	4 41	5 47	1 42	0n26	1 11	7 20	1 1	9 32	1 1	18 5	0 39	16 45	0 22	19 21	1 35	14 5	17 18	0 17	0 33	16 52	6 13	1 40	
F 14	2 49	27 47	5 6	4 56	1 36	0 57	1 10	7 1	1 1	9 37	1 1	18 4	0 39	16 45	0 22	19 22	1 35	14 6	17 19	0 17	0 32	16 49	6 14	1 39	
S 15	2 26	28 45	5 17	4 4	1 30	1 28	1 9	6 43	1 0	9 41	1 1	18 2	0 39	16 45	0 22	19 22	1 35	14 6	17 19	0 17	0 31	16 46	6 16	1 39	
S 16	2 2	28 16	5 13	3 11	1 23	1 59	1 7	6 24	1 0	9 46	1 1	18 1	0 39	16 45	0 22	19 22	1 35	14 7	17 19	0 17	0 30	16 43	6 17	1 39	
M17	1 38	26 27	4 55	2 17	1 16	2 30	1 5	6 6	1 0	9 51	1 1	17 59	0 39	16 44	0 22	19 22	1 35	14 8	17 19	0 17	0 28	16 40	6 18	1 39	
T 18	1 15	23 29	4 24	1 22	1 8	3 0	1 4	5 47	1 0	9 56	1 1	17 58	0 39	16 44	0 22	19 23	1 35	14 9	17 19	0 17	0 27	16 37	6 19	1 39	
W19	0 51	19 34	3 43	0 26	1 0	3 31	1 2	5 29	0 59	10 1	1 1	17 56	0 39	16 43	0 22	19 23	1 35	14 9	17 19	0 16	0 26	16 34	6 21	1 39	
T 20	0 27	14 54	2 52	0n30	0 51	4 2	1 0	5 10	0 59	10 6	1 0	17 55	0 39	16 43	0 22	19 23	1 35	14 10	17 19	0 16	0 25	16 31	6 22	1 39	
F 21	0 4	9 40	1 53	1 27	0 42	4 32	0 59	4 51	0 59	10 11	1 0	17 53	0 40	16 43	0 22	19 23	1 35	14 11	17 19	0 16	0 23	16 28	6 23	1 39	
S 22	0n20	4 3	0 50	2 24	0 32	5 3	0 57	4 32	0 59	10 15	1 0	17 52	0 40	16 42	0 22	19 24	1 35	14 12	17 19	0 16	0 22	16 26	6 25	1 39	
S 23	0 44	1n46	0n17	3 22	0 22	5 33	0 55	4 14	0 58	10 20	1 0	17 51	0 40	16 42	0 22	19 24	1 35	14 12	17 19	0 16	0 21	16 23	6 26	1 39	
M24	1 7	7 35	1 24	4 19	0 11	6 3	0 53	3 55	0 58	10 25	1 0	17 49	0 40	16 41	0 22	19 24	1 35	14 13	17 20	0 16	0 20	16 20	6 28	1 38	
T 25	1 31	13 12	2 28	5 16	0n 0	6 34	0 51	3 36	0 58	10 30	1 0	17 48	0 40	16 41	0 22	19 24	1 35	14 14	17 20	0 16	0 18	16 17	6 29	1 38	
W26	1 55	18 22	3 25	6 13	0 11	7 4	0 49	3 17	0 57	10 35	1 0	17 46	0 40	16 41	0 22	19 25	1 35	14 14	17 20	0 16	0 17	16 14	6 30	1 38	
T 27	2 18	22 49	4 14	7 9	0 23	7 33	0 47	2 58	0 57	10 40	1 0	17 45	0 40	16 40	0 22	19 25	1 35	14 15	17 20	0 16	0 16	16 11	6 32	1 38	
F 28	2 42	26 14	4 50	8 4	0 35	8 3	0 45	2 39	0 57	10 45	0 59	17 44	0 40	16 40	0 22	19 25	1 34	14 16	17 20	0 15	0 14	16 8	6 33	1 38	
S 29	3 5	28 17	5 12	8 58	0 46	8 32	0 43	2 20	0 56	10 50	0 59	17 42	0 40	16 39	0 22	19 26	1 34	14 16	17 20	0 15	0 13	16 5	6 34	1 38	
S 30	3 28	28 42	5 17	9 51	0 48	9 2	0 41	2 2	0 56	10 55	0 59	17 41	0 41	16 39	0 22	19 26	1 34	14 17	17 20	0 15	0 12	16 2	6 36	1 38	
M31	3n52	27n20	5n 3	10n42	1n10	9n31	0s38	1s43	0s56	11n 0	0s59	17s40	0s41	16s38	0n22	19n26	1s34	14n18	17n20	0n15	0n11	15s59	6n37	1n38	

# ASTRODIENST EPHEMERIS for the year 1727

## geocentric

APRIL 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 35 11	10°43'04	18°46	26°34	27°22	28°37	18°27	12°49	17°R 9	4°II 2	3°R56	0°Y38	0°Y24	25°12	13°Y 0	T 1
W 2	12 39 7	11°42'07	16°13	28°15	28°36	29°24	1°41	12°54	17°M 7	4° 4	3°A54	0°39	0°20	25°19	13° 3	W 2
T 3	12 43 4	12°41'07	0°152	29°53	29°50	0°Y10	1°55	12°59	17° 5	4° 5	3°53	0°40	0°17	25°25	13° 7	T 3
F 4	12 47 0	13°40'06	15°39	18°26	18° 4	0°57	2° 9	13° 3	17° 3	4° 7	3°51	0°41	0°14	25°32	13°11	F 4
S 5	12 50 57	14°39'02	0°A26	2°55	2°18	1°43	2°23	13° 8	17° 1	4° 8	3°50	0°R41	0°11	25°39	13°14	S 5
S 6	12 54 53	15°37'56	15° 7	4°18	3°32	2°30	2°37	13°13	16°59	4°10	3°48	0°41	0° 8	25°45	13°18	S 6
M 7	12 58 50	16°36'48	29°34	5°37	4°46	3°16	2°51	13°17	16°57	4°12	3°46	0°40	0° 5	25°52	13°22	M 7
T 8	13 2 47	17°35'38	13°M43	6°50	6° 0	4° 2	3° 5	13°21	16°55	4°13	3°45	0°38	0° 1	25°59	13°26	T 8
W 9	13 6 43	18°34'26	27°29	7°58	7°14	4°49	3°19	13°26	16°53	4°15	3°43	0°35	29°X58	26° 5	13°29	W 9
T 10	13 10 40	19°33'13	10°A51	9° 0	8°27	5°35	3°33	13°30	16°51	4°17	3°41	0°33	29°55	26°12	13°33	T 10
F 11	13 14 36	20°31'58	23°48	9°57	9°41	6°21	3°47	13°34	16°49	4°18	3°40	0°30	29°52	26°19	13°37	F 11
S 12	13 18 33	21°30'41	6°B24	10°47	10°55	7° 8	4° 2	13°38	16°46	4°20	3°38	0°29	29°49	26°25	13°40	S 12
S 13	13 22 29	22°29'23	18°41	11°32	12° 8	7°54	4°16	13°42	16°44	4°22	3°37	0°D28	29°45	26°32	13°44	S 13
M14	13 26 26	23°28'02	0°A44	12°10	13°22	8°40	4°30	13°46	16°42	4°24	3°35	0°28	29°42	26°39	13°48	M14
T 15	13 30 22	24°26'40	12°37	12°42	14°36	9°26	4°44	13°50	16°40	4°25	3°34	0°29	29°39	26°45	13°51	T 15
W16	13 34 19	25°25'16	24°26	13° 9	15°49	10°12	4°58	13°54	16°37	4°27	3°32	0°31	29°36	26°52	13°55	W16
T 17	13 38 16	26°23'51	6°X16	13°29	17° 3	10°58	5°13	13°57	16°35	4°29	3°31	0°32	29°33	26°59	13°59	T 17
F 18	13 42 12	27°22'24	18° 9	13°43	18°16	11°44	5°27	14° 1	16°33	4°31	3°29	0°34	29°30	27° 5	14° 2	F 18
S 19	13 46 9	28°20'55	0°Y11	13°51	19°30	12°30	5°41	14° 4	16°30	4°33	3°28	0°R34	29°26	27°12	14° 6	S 19
S 20	13 50 5	29°19'24	12°24	13°R53	20°43	13°16	5°55	14° 8	16°28	4°35	3°26	0°34	29°23	27°19	14° 9	S 20
M21	13 54 2	0°B17'51	24°50	13°50	21°57	14° 2	6°10	14°11	16°26	4°37	3°25	0°32	29°20	27°25	14°13	M21
T 22	13 57 58	1°16'17	7°B31	13°41	23°10	14°48	6°24	14°14	16°23	4°38	3°23	0°28	29°17	27°32	14°17	T 22
W23	14 1 55	2°14'41	20°27	13°27	24°23	15°33	6°38	14°18	16°21	4°40	3°22	0°23	29°14	27°39	14°20	W23
T 24	14 5 51	3°13'03	3°II36	13° 8	25°37	16°19	6°53	14°21	16°18	4°42	3°20	0°18	29°11	27°45	14°24	T 24
F 25	14 9 48	4°11'23	17° 0	12°45	26°50	17° 5	7° 7	14°24	16°16	4°44	3°19	0°13	29° 7	27°52	14°27	F 25
S 26	14 13 45	5° 9'41	0°B36	12°18	28° 3	17°51	7°21	14°27	16°14	4°46	3°18	0° 8	29° 4	27°59	14°31	S 26
S 27	14 17 41	6° 7'57	14°23	11°47	29°16	18°36	7°36	14°29	16°11	4°48	3°16	0° 5	29° 1	28° 5	14°34	S 27
M28	14 21 38	7° 6'11	28°20	11°14	0°II29	19°22	7°50	14°32	16° 9	4°50	3°15	0° 3	28°58	28°12	14°38	M28
T 29	14 25 34	8° 4'23	12°N25	10°39	1°43	20° 7	8° 4	14°35	16° 6	4°52	3°14	0°D 3	28°55	28°19	14°41	T 29
W30	14 29 31	9°B 2'32	26°N37	10°B 2	2°II56	20°Y53	8°B19	14°A37	16°M 4	4°II55	3°A12	0°Y 4	28°X51	28°A25	14°Y45	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
T 1	4n15	24n12	4n32	11n32	1n21	10n 0	0s36	1s24	0s55	11n 5	0s59	17s39	0s41	16s38	0n22	T 1
W 2	4 38	19 32	3 42	12 19	1 33	10 28	0 34	1 5	0 55	11 9	0 59	17 37	0 41	16 37	0 22	W 2
T 3	5 1	13 38	2 38	13 4	1 44	10 57	0 31	0 46	0 55	11 14	0 59	17 36	0 41	16 36	0 22	T 3
F 4	5 24	6 56	1 22	13 46	1 54	11 25	0 29	0 27	0 54	11 19	0 59	17 35	0 41	16 36	0 22	F 4
S 5	5 47	0s 9	0 1	14 27	2 4	11 52	0 27	0 8	0 54	11 24	0 59	17 34	0 41	16 35	0 22	S 5
S 6	6 10	7 10	1s19	15 4	2 13	12 20	0 24	0n11	0 54	11 29	0 58	17 33	0 42	16 35	0 22	S 6
M 7	6 32	13 43	2 33	15 39	2 22	12 47	0 22	0 49	0 53	11 34	0 58	17 31	0 42	16 34	0 22	M 7
T 8	6 55	19 25	3 36	16 11	2 30	13 14	0 19	0 28	0 53	11 39	0 58	17 30	0 42	16 34	0 22	T 8
W 9	7 17	23 55	4 25	16 40	2 37	13 41	0 17	1 7	0 52	11 44	0 58	17 29	0 42	16 33	0 22	W 9
T 10	7 40	27 0	4 57	17 6	2 43	14 7	0 14	1 26	0 52	11 49	0 58	17 28	0 42	16 32	0 22	T 10
F 11	8 2	28 33	5 13	17 29	2 49	14 33	0 12	1 44	0 52	11 54	0 58	17 27	0 42	16 32	0 22	F 11
S 12	8 24	28 33	5 14	17 49	2 53	14 59	0 9	2 3	0 51	11 58	0 58	17 26	0 42	16 31	0 22	S 12
S 13	8 46	27 7	5 0	18 6	2 56	15 24	0 7	2 22	0 51	12 3	0 58	17 25	0 42	16 31	0 22	S 13
M14	9 8	24 28	4 33	18 20	2 58	15 49	0 4	2 40	0 50	12 8	0 58	17 24	0 43	16 30	0 22	M14
T 15	9 29	20 47	3 54	18 31	2 59	16 13	0 2	2 59	0 50	12 13	0 58	17 23	0 43	16 29	0 22	T 15
W16	9 51	16 19	3 6	18 39	2 59	16 37	0n 1	3 17	0 49	12 18	0 58	17 22	0 43	16 29	0 22	W16
T 17	10 12	11 14	2 10	18 44	2 57	17 1	0 4	3 36	0 49	12 23	0 57	17 21	0 43	16 28	0 22	T 17
F 18	10 33	5 44	1 8	18 45	2 54	17 24	0 6	3 54	0 48	12 27	0 57	17 20	0 43	16 27	0 22	F 18
S 19	10 54	0n 3	0 2	18 44	2 50	17 47	0 9	4 13	0 48	12 32	0 57	17 19	0 43	16 27	0 22	S 19
S 20	11 15	5 54	1n 4	18 39	2 45	18 9	0 12	4 31	0 48	12 37	0 57	17 18	0 43	16 26	0 22	S 20
M21	11 36	11 38	2 9	18 31	2 38	18 31	0 14	4 49	0 47	12 42	0 57	17 18	0 44	16 25	0 22	M21
T 22	11 56	17 1	3 9	18 21	2 29	18 52	0 17	5 7	0 47	12 47	0 57	17 17	0 44	16 25	0 22	T 22
W23	12 16	21 44	3 59	18 7	2 20	19 13	0 20	5 25	0 46	12 51	0 57	17 16	0 44	16 24	0 22	W23
T 24	12 36	25 28	4 39	17 51	2 9	19 33	0 22	5 43	0 46	12 56	0 57	17 15	0 44	16 23	0 22	T 24
F 25	12 56	27 52	5 3	17 33	1 57	19 53	0 25	6 1	0 45	13 1	0 57	17 15	0 44	16 23	0 22	F 25
S 26	13 16	28 40	5 11	17 12	1 44	20 12	0 28	6 19	0 45	13 6	0 57	17 14	0 44	16 22	0 22	S 26
S 27	13 35	27 42	5 2	16 49	1 30	20 31	0 30	6 37	0 44	13 10	0 57	17 13	0 44	16 21	0 22	S 27
M28	13 54	25 0	4 34	16 24	1 15	20 49	0 33	6 55	0 44	13 15	0 57	17 13	0 45	16 20	0 22	M28
T 29	14 13	20 47	3 50	15 58	0 59	21 7	0 36	7 13	0 43	13 20	0 57	17 12	0 45	16 20	0 22	T 29
W30	14n32	15n21	2n52	15n31	0n42	21n24	0n38	7n30	0s43	13n24	0s57	17s11	0s45	16s19	0n22	W30

Julian Day Number = 2351923.5, Delta T = 10.85 sec

Ecliptic obliquity = 23°28'39", Nutation = - 0°00'00", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°55'57", Lahiri = 20°02'58"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1727  
geocentric

MAY 1727

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 33 27	10♈ 0'40	10♍ 55	9°R24	4♊ 9	21♊ 38	8♈ 33	14♈ 40	16°R 1	4♊ 57	3°R11	0♊ 5	28♈ 48	28♈ 32	14♊ 48	T 1
F 2	14 37 24	10°58'46	25°16	8♈ 46	5°22	22°23	8°47	14°42	15♍ 59	4°59	3♊ 10	0°R 6	28°45	28°39	14°52	F 2
S 3	14 41 20	11°56'49	9♊ 36	8° 8	6°35	23° 9	9° 1	14°44	15°56	5° 1	3° 9	0° 6	28°42	28°45	14°55	S 3
S 4	14 45 17	12°54'51	23°52	7°32	7°47	23°54	9°16	14°47	15°54	5° 3	3° 8	0° 4	28°39	28°52	14°58	S 4
M 5	14 49 14	13°52'52	8♍ 0	6°57	9° 0	24°39	9°30	14°49	15°51	5° 5	3° 6	29♈ 59	28°36	28°59	15° 2	M 5
T 6	14 53 10	14°50'50	21°54	6°25	10°13	25°24	9°44	14°51	15°49	5° 7	3° 5	29°54	28°32	29° 5	15° 5	T 6
W 7	14 57 7	15°48'47	5♈ 30	5°56	11°26	26° 9	9°59	14°52	15°46	5° 9	3° 4	29°46	28°29	29°12	15° 8	W 7
T 8	15 1 3	16°46'43	18°47	5°30	12°39	26°54	10°13	14°54	15°44	5°11	3° 3	29°38	28°26	29°19	15°12	T 8
F 9	15 5 0	17°44'37	1♈ 43	5° 7	13°51	27°39	10°27	14°56	15°41	5°14	3° 2	29°31	28°23	29°25	15°15	F 9
S 10	15 8 56	18°42'30	14°19	4°49	15° 4	28°24	10°41	14°58	15°38	5°16	3° 1	29°24	28°20	29°32	15°18	S 10
S 11	15 12 53	19°40'22	26°37	4°35	16°17	29° 9	10°56	14°59	15°36	5°18	3° 0	29°20	28°17	29°39	15°21	S 11
M12	15 16 49	20°38'12	8♈ 41	4°25	17°29	29°54	11°10	15° 1	15°33	5°20	2°59	29°17	28°13	29°45	15°25	M12
T 13	15 20 46	21°36'01	20°36	4°19	18°42	0♈ 39	11°24	15° 2	15°31	5°22	2°58	29°D16	28°10	29°52	15°28	T 13
W14	15 24 43	22°33'49	2♈ 25	4°D18	19°54	1°24	11°38	15° 3	15°28	5°24	2°57	29°16	28° 7	29°59	15°31	W14
T 15	15 28 39	23°31'36	14°15	4°22	21° 7	2° 8	11°52	15° 4	15°26	5°27	2°56	29°17	28° 4	0♈ 5	15°34	T 15
F 16	15 32 36	24°29'22	26°11	4°30	22°19	2°53	12° 6	15° 5	15°23	5°29	2°55	29°R18	28° 1	0°12	15°37	F 16
S 17	15 36 32	25°27'06	8♊ 18	4°43	23°32	3°38	12°20	15° 6	15°21	5°31	2°54	29°18	27°57	0°19	15°40	S 17
S 18	15 40 29	26°24'49	20°39	5° 0	24°44	4°22	12°35	15° 7	15°18	5°33	2°53	29°16	27°54	0°25	15°43	S 18
M19	15 44 25	27°22'31	3♈ 17	5°22	25°56	5° 7	12°49	15° 8	15°16	5°35	2°53	29°11	27°51	0°32	15°46	M19
T 20	15 48 22	28°20'12	16°15	5°48	27° 9	5°51	13° 3	15° 8	15°14	5°38	2°52	29° 4	27°48	0°39	15°49	T 20
W21	15 52 18	29°17'52	29°32	6°18	28°21	6°36	13°17	15° 9	15°11	5°40	2°51	28°55	27°45	0°45	15°52	W21
T 22	15 56 15	0♊ 15'31	13♊ 7	6°52	29°33	7°20	13°31	15° 9	15° 9	5°42	2°50	28°45	27°42	0°52	15°55	T 22
F 23	16 0 12	1°13'08	26°56	7°31	0♈ 45	8° 4	13°45	15°10	15° 6	5°44	2°50	28°35	27°38	0°59	15°58	F 23
S 24	16 4 8	2°10'45	10♈ 57	8°13	1°57	8°48	13°59	15°10	15° 4	5°47	2°49	28°26	27°35	1° 5	16° 0	S 24
S 25	16 8 5	3° 8'19	25° 4	8°58	3° 9	9°33	14°12	15°10	15° 2	5°49	2°48	28°19	27°32	1°12	16° 3	S 25
M26	16 12 1	4° 5'53	9♊ 15	9°48	4°21	10°17	14°26	15°R10	14°59	5°51	2°48	28°15	27°29	1°19	16° 6	M26
T 27	16 15 58	5° 3'25	23°25	10°41	5°33	11° 1	14°40	15°10	14°57	5°53	2°47	28°12	27°26	1°25	16° 9	T 27
W28	16 19 54	6° 0'55	7♊ 35	11°37	6°45	11°45	14°54	15°10	14°55	5°56	2°47	28°D12	27°23	1°32	16°11	W28
T 29	16 23 51	6°58'24	21°41	12°37	7°57	12°29	15° 8	15°10	14°52	5°58	2°46	28°R12	27°19	1°39	16°14	T 29
F 30	16 27 47	7°55'52	5♊ 43	13°40	9° 9	13°13	15°21	15° 9	14°50	6° 0	2°46	28°12	27°16	1°45	16°17	F 30
S 31	16 31 44	8♊ 53'18	19♊ 40	14♈ 46	10♈ 20	13♈ 56	15♈ 35	15♈ 9	14♊ 48	6♊ 2	2♊ 45	28♈ 10	27♈ 13	1♈ 52	16♊ 19	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	14n50	9n 4	1n42	15n 3	0n25	21n41	0n41	7n48	0s42	13n29	0s57	17s11	0s45	16s18	0n22	19n38
F 2	15 9	2 17	0 26	14 34	0 8	21 57	0 44	8 5	0 42	13 34	0 57	17 10	0 45	16 18	0 22	19 38
S 3	15 27	4s36	0s51	14 6	0s 9	22 12	0 46	8 22	0 41	13 38	0 57	17 10	0 45	16 17	0 22	19 38
S 4	15 44	11 13	2 5	13 38	0 27	22 27	0 49	8 40	0 41	13 43	0 56	17 9	0 46	16 16	0 22	19 39
M 5	16 2	17 12	3 11	13 10	0 44	22 41	0 51	8 57	0 40	13 47	0 56	17 9	0 46	16 15	0 22	19 39
T 6	16 19	22 11	4 3	12 44	1 0	22 54	0 54	9 14	0 40	13 52	0 56	17 8	0 46	16 15	0 22	19 40
W 7	16 36	25 52	4 41	12 19	1 17	23 7	0 56	9 31	0 39	13 56	0 56	17 8	0 46	16 14	0 22	19 40
T 8	16 53	28 1	5 2	11 55	1 32	23 19	0 59	9 47	0 38	14 1	0 56	17 7	0 46	16 13	0 22	19 40
F 9	17 9	28 35	5 8	11 34	1 47	23 31	1 1	10 4	0 38	14 5	0 56	17 7	0 46	16 13	0 22	19 41
S 10	17 25	27 38	4 58	11 14	2 1	23 41	1 4	10 21	0 37	14 10	0 56	17 7	0 46	16 12	0 22	19 41
S 11	17 41	25 20	4 34	10 57	2 15	23 52	1 6	10 37	0 37	14 14	0 56	17 6	0 47	16 11	0 22	19 42
M12	17 56	21 57	3 58	10 42	2 27	24 1	1 8	10 53	0 36	14 19	0 56	17 6	0 47	16 10	0 22	19 42
T 13	18 12	17 42	3 13	10 30	2 38	24 10	1 11	11 10	0 36	14 23	0 56	17 6	0 47	16 10	0 22	19 42
W14	18 26	12 48	2 19	10 20	2 48	24 18	1 13	11 26	0 35	14 28	0 56	17 6	0 47	16 9	0 22	19 43
T 15	18 41	7 26	1 20	10 12	2 58	24 26	1 15	11 42	0 34	14 32	0 56	17 6	0 47	16 8	0 22	19 43
F 16	18 55	1 46	0 17	10 7	3 6	24 32	1 17	11 58	0 34	14 36	0 56	17 5	0 48	16 8	0 22	19 44
S 17	19 9	4n 2	0n48	10 5	3 13	24 38	1 19	12 13	0 33	14 41	0 56	17 5	0 48	16 7	0 22	19 44
S 18	19 23	9 48	1 52	10 5	3 19	24 44	1 21	12 29	0 33	14 45	0 56	17 5	0 48	16 6	0 22	19 45
M19	19 36	15 19	2 52	10 7	3 25	24 48	1 24	12 44	0 32	14 49	0 56	17 5	0 48	16 5	0 22	19 45
T 20	19 49	20 18	3 44	10 11	3 29	24 52	1 26	13 0	0 32	14 53	0 56	17 5	0 48	16 5	0 22	19 45
W21	20 2	24 24	4 25	10 18	3 32	24 55	1 27	13 15	0 31	14 58	0 56	17 5	0 48	16 4	0 22	19 46
T 22	20 14	27 15	4 53	10 27	3 35	24 58	1 29	13 30	0 30	15 2	0 56	17 5	0 48	16 3	0 22	19 46
F 23	20 26	28 30	5 3	10 38	3 36	25 0	1 31	13 45	0 30	15 6	0 56	17 5	0 48	16 3	0 22	19 47
S 24	20 38	27 57	4 56	10 51	3 37	25 1	1 33	14 0	0 29	15 10	0 56	17 5	0 49	16 2	0 22	19 47
S 25	20 49	25 36	4 31	11 5	3 37	25 1	1 35	14 14	0 29	15 14	0 56	17 5	0 49	16 1	0 22	19 47
M26	21 0	21 40	3 50	11 22	3 36	25 1	1 36	14 29	0 28	15 18	0 56	17 6	0 49	16 1	0 22	19 48
T 27	21 11	16 28	2 54	11 40	3 34	25 0	1 38	14 43	0 27	15 22	0 56	17 6	0 49	16 0	0 22	19 48
W28	21 21	10 24	1 47	12 0	3 31	24 58	1 40	14 58	0 27	15 27	0 56	17 6	0 49	15 59	0 22	19 48
T 29	21 31	3 50	0 35	12 21	3 28	24 55	1 41	15 12	0 26	15 31	0 56	17 6	0 49	15 59	0 22	19 49
F 30	21 40	2s53	0s40	12 43	3 24	24 52	1 43	15 25	0 25	15 35	0 56	17 6	0 50	15 58	0 22	19 49
S 31	21n49	9s25	1s51	13n 7	3s19	24n48	1n44	15n39	0s25	15n39	0s56	17s 7	0s50	15s57	0n22	19n50

Julian Day Number = 2351953.5, Delta T = 10.85 sec  
Ecliptic obliquity = 23°28'38", Nutation = - 0°00'01", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°56'01", Lahiri = 20°03'02Greg. Calendar



# ASTRODIENST EPHEMERIS for the year 1727

## geocentric

JUNE 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 35 41	9II50'43	3III30	15856	11832	14840	15849	15°R 8	14°R46	6II 5	2°R45	28°R 6	27°R10	1°R59	16°V22	S 1
M 2	16 39 37	10°48'08	17°12	17° 8	12°44	15°24	16° 2	15° 8	14°M43	6° 7	2°A44	28°R 0	27° 7	2° 5	16°24	M 2
T 3	16 43 34	11°45'31	0°A44	18°24	13°55	16° 7	16°16	15° 7	14°41	6° 9	2°44	27°50	27° 3	2°12	16°27	T 3
W 4	16 47 30	12°42'53	14° 2	19°42	15° 7	16°51	16°29	15° 6	14°39	6°11	2°44	27°39	27° 0	2°19	16°29	W 4
T 5	16 51 27	13°40'15	27° 4	21° 4	16°18	17°35	16°43	15° 5	14°37	6°14	2°43	27°27	26°57	2°25	16°31	T 5
F 6	16 55 23	14°37'36	9850	22°28	17°30	18°18	16°56	15° 4	14°35	6°16	2°43	27°15	26°54	2°32	16°34	F 6
S 7	16 59 20	15°34'56	22°20	23°55	18°41	19° 1	17°10	15° 3	14°33	6°18	2°43	27° 5	26°51	2°39	16°36	S 7
S 8	17 3 16	16°32'15	4835	25°26	19°52	19°45	17°23	15° 2	14°31	6°20	2°43	26°56	26°48	2°45	16°38	S 8
M 9	17 7 13	17°29'34	16°37	26°59	21° 3	20°28	17°36	15° 1	14°29	6°22	2°43	26°50	26°44	2°52	16°40	M 9
T 10	17 11 10	18°26'52	28°30	28°34	22°15	21°11	17°49	14°59	14°27	6°25	2°43	26°47	26°41	2°58	16°43	T 10
W11	17 15 6	19°24'10	10819	0II13	23°26	21°55	18° 3	14°58	14°25	6°27	2°42	26°46	26°38	3° 5	16°45	W11
T 12	17 19 3	20°21'28	22° 9	1°55	24°37	22°38	18°16	14°56	14°23	6°29	2°42	26°46	26°35	3°12	16°47	T 12
F 13	17 22 59	21°18'45	4Y 5	3°39	25°48	23°21	18°29	14°55	14°21	6°31	2°D42	26°45	26°32	3°18	16°49	F 13
S 14	17 26 56	22°16'02	16°13	5°26	26°59	24° 4	18°42	14°53	14°19	6°33	2°42	26°44	26°29	3°25	16°51	S 14
S 15	17 30 52	23°13'18	28°38	7°15	28° 9	24°47	18°55	14°51	14°18	6°36	2°42	26°42	26°25	3°32	16°53	S 15
M16	17 34 49	24°10'35	11824	9° 7	29°20	25°30	19° 8	14°49	14°16	6°38	2°42	26°36	26°22	3°38	16°54	M16
T 17	17 38 45	25° 7'51	28°33	11° 2	08231	26°13	19°21	14°47	14°14	6°40	2°43	26°28	26°19	3°45	16°56	T 17
W18	17 42 42	26° 5'07	8II 6	12°59	1°42	26°55	19°33	14°45	14°13	6°42	2°43	26°18	26°16	3°52	16°58	W18
T 19	17 46 39	27° 2'23	22° 1	14°59	2°52	27°38	19°46	14°43	14°11	6°44	2°43	26° 7	26°13	3°58	17° 0	T 19
F 20	17 50 35	27°59'38	6815	17° 0	4° 3	28°21	19°59	14°40	14° 9	6°46	2°43	25°55	26° 9	4° 5	17° 2	F 20
S 21	17 54 32	28°56'53	20°41	19° 4	5°13	29° 3	20°11	14°38	14° 8	6°49	2°43	25°44	26° 6	4°12	17° 3	S 21
S 22	17 58 28	29°54'07	5813	21°10	6°24	29°46	20°24	14°36	14° 6	6°51	2°44	25°36	26° 3	4°18	17° 5	S 22
M23	18 2 25	0851'21	19°45	23°16	7°34	0II29	20°36	14°33	14° 5	6°53	2°44	25°30	26° 0	4°25	17° 6	M23
T 24	18 6 21	1°48'34	4812	25°25	8°44	1°11	20°49	14°31	14° 3	6°55	2°44	25°27	25°57	4°32	17° 8	T 24
W25	18 10 18	2°45'47	18°29	27°34	9°54	1°53	21° 1	14°28	14° 2	6°57	2°45	25°26	25°54	4°38	17° 9	W25
T 26	18 14 15	3°42'59	2835	29°44	11° 4	2°36	21°13	14°25	14° 1	6°59	2°45	25°26	25°50	4°45	17°11	T 26
F 27	18 18 11	4°40'11	16°29	1855	12°14	3°18	21°26	14°22	13°59	7° 1	2°45	25°25	25°47	4°52	17°12	F 27
S 28	18 22 8	5°37'23	0812	4° 6	13°24	4° 0	21°38	14°19	13°58	7° 3	2°46	25°24	25°44	4°58	17°13	S 28
S 29	18 26 4	6°34'34	13°43	6°16	14°34	4°42	21°50	14°16	13°57	7° 5	2°46	25°20	25°41	5° 5	17°15	S 29
M30	18 30 1	7831'44	2713	8827	15844	5II24	2282	14813	13856	7II 7	2847	25813	25838	5812	17816	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21n58	15s27	2s56	13n32	3s14	24n43	1n45	15n53	0s24	15n42	0s56	17s 7	0s50	15s57	0n22	19n50	1s33	14n30	17n 1	0s45	1s 8	12s50	7n55	1n36			
M 2	22 6	20 39	3 49	13 58	3 8	24 38	1 46	16 6	0 24	15 46	0 56	17 7	0 50	15 56	0 22	19 50	1 33	14 29	17 1	0 48	1 9	12 47	7 56	1 36			
T 3	22 14	24 43	4 29	14 25	3 2	24 32	1 48	16 19	0 23	15 50	0 56	17 8	0 50	15 55	0 22	19 51	1 33	14 29	17 1	0 52	1 10	12 44	7 57	1 36			
W 4	22 21	27 22	4 53	14 53	2 54	24 25	1 49	16 32	0 22	15 54	0 56	17 8	0 50	15 55	0 22	19 51	1 33	14 29	17 0	0 56	1 12	12 41	7 58	1 36			
T 5	22 29	28 28	5 1	15 22	2 47	24 18	1 50	16 45	0 22	15 58	0 56	17 8	0 51	15 54	0 22	19 52	1 33	14 28	17 0	1 1	1 13	12 38	7 59	1 36			
F 6	22 35	28 0	4 54	15 51	2 39	24 10	1 51	16 58	0 21	16 2	0 56	17 9	0 51	15 54	0 22	19 52	1 33	14 28	16 59	1 6	1 14	12 34	7 59	1 36			
S 7	22 42	26 6	4 33	16 21	2 30	24 1	1 51	17 11	0 20	16 6	0 56	17 9	0 51	15 53	0 22	19 52	1 33	14 28	16 59	1 10	1 15	12 31	8 0	1 36			
S 8	22 48	23 1	3 59	16 52	2 21	23 51	1 52	17 23	0 20	16 9	0 56	17 10	0 51	15 52	0 22	19 53	1 33	14 27	16 58	1 13	1 17	12 28	8 1	1 36			
M 9	22 53	18 59	3 16	17 23	2 12	23 41	1 53	17 35	0 19	16 13	0 56	17 10	0 51	15 52	0 22	19 53	1 33	14 27	16 58	1 15	1 18	12 25	8 2	1 36			
T 10	22 58	14 16	2 24	17 54	2 2	23 30	1 54	17 47	0 18	16 17	0 56	17 11	0 51	15 51	0 22	19 53	1 33	14 26	16 57	1 17	1 19	12 22	8 3	1 36			
W11	23 3	9 2	1 26	18 25	1 52	23 19	1 54	17 59	0 18	16 20	0 56	17 12	0 52	15 51	0 22	19 54	1 33	14 26	16 56	1 17	1 20	12 19	8 4	1 36			
T 12	23 8	3 30	0 24	18 56	1 41	23 7	1 55	18 11	0 17	16 24	0 56	17 12	0 52	15 50	0 22	19 54	1 33	14 26	16 56	1 17	1 22	12 15	8 5	1 36			
F 13	23 12	2n13	0n39	19 26	1 30	22 54	1 55	18 23	0 16	16 28	0 56	17 13	0 52	15 50	0 22	19 55	1 33	14 25	16 55	1 17	1 23	12 12	8 5	1 36			
S 14	23 15	7 57	1 41	19 57	1 19	22 41	1 55	18 34	0 16	16 31	0 56	17 13	0 52	15 49	0 22	19 55	1 33	14 25	16 55	1 18	1 24	12 9	8 6	1 36			
S 15	23 18	13 30	2 40	20 26	1 8	22 27	1 56	18 45	0 15	16 35	0 56	17 14	0 52	15 49	0 21	19 55	1 33	14 24	16 54	1 19	1 25	12 6	8 7	1 36			
M16	23 21	18 39	3 33	20 55	0 57	22 12	1 56	18 56	0 14	16 38	0 56	17 15	0 52	15 48	0 21	19 56	1 33	14 24	16 54	1 21	1 27	12 3	8 8	1 36			
T 17	23 23	23 4	4 16	21 23	0 45	21 57	1 56	19 7	0 14	16 42	0 56	17 16	0 52	15 48	0 21	19 56	1 33	14 23	16 53	1 24	1 28	11 59	8 8	1 36			
W18	23 25	26 23	4 46	21 50	0 34	21 42	1 56	19 17	0 13	16 45	0 56	17 16	0 53	15 47	0 21	19 56	1 33	14 23	16 53	1 28	1 29	11 56	8 9	1 36			
T 19	23 27	28 13	5 0	22 16	0 22	21 25	1 55	19 28	0 12	16 48	0 56	17 17	0 53	15 47	0 21	19 57	1 33	14 22	16 52	1 33	1 31	11 53	8 10	1 36			
F 20	23 28	28 15	4 56	22 40	0 11	21 8	1 55	19 38	0 12	16 52	0 56	17 18	0 53	15 46	0 21	19 57	1 33	14 22	16 52	1 38	1 32	11 50	8 10	1 36			
S 21	23 28	26 23	4 33	23 2	0n 0	20 51	1 55	19 48	0 11	16 55	0 56	17 19	0 53	15 46	0 21	19 57	1 33	14 21	16 51	1 42	1 33	11 47	8 11	1 36			
S 22	23 29	22 45	3 52	23 22	0 11	20 33	1 55	19 58	0 10	16 58	0 56	17 20	0 53	15 45	0 21	19 58	1 33	14 20	16 51	1 45	1 34	11 43	8 12	1 36			
M23	23 28	17 42	2 57	23 40	0 22	20 15	1 54	20 8	0 10	17 2	0 56	17 21	0 53	15 45	0 21	19 58	1 33	14 20	16 50	1 47	1 36	11 40	8 12	1 36			
T 24	23 28	11 41	1 50	23 56	0 32	19 56	1 53	20 17	0 9	17 5	0 56	17 21	0 53	15 45	0 21	19 58	1 33	14 19	16 50	1 49	1 37	11 37	8 13	1 36			
W25	23 27	5 7	0 37	24 9	0 42	19 36	1 53	20 26	0 8	17 8	0 56	17 22	0 54	15 44	0 21	19 59	1 33	14 19	16 49	1 49	1 38	11 34	8 13	1 36			
T 26	23 25	1s36	0s38	24 20	0 51	19 16	1 52	20 35	0 7	17 11	0 56	17 23	0 54	15 44	0 21	19 59	1 33	14 18	16 49	1 49	1 39	11 31	8 14	1 36			
F 27	23 24	8 10	1 49	24 28	1 0	18 56	1 51	20 44	0 7	17 14	0 56	17 24	0 54	15 44	0 21	19 59	1 33	14 17	16 48	1 49	1 41	11 27	8 14	1 36			
S 28	23 21	14 15	2 53	24 33	1 8	18 35	1 50	20 53	0 6	17 18	0 56	17 25	0 54	15 43	0 21	20 0	1 33	14 17	16 48	1 50	1 42	11 24	8 15	1 36			
S 29	23 19	19 34	3 46	24 35	1 16	18 13	1 49	21 1	0 5	17 21	0 56	17 26	0 54	15 43	0 21	20 0	1 33	14 16	16 47	1 52	1 43	11 21	8 15	1 36			
M30	23n16	23s50	4s26	24n35	1n23	17n52	1n48	21n10	0s 5	17n24	0s56	17s27	0s54	15s42	0n21	20n 0	1s33	14n15	16n47	1s54	1s44	11s18	8n16	1n36			

ASTRODIENST EPHEMERIS for the year 1727  
geocentric

JULY 1727

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 33 57	8°28'55	10°12	10°36	16°53	6°II 6	22°14	14°R10	13°R55	7°II 9	2°48	25°R 3	25°35	5°18	17°17	T 1
W 2	18 37 54	9°26'06	23° 8	12°45	18° 3	6°48	22°25	14°7	13°M53	7°11	2°48	24°52	25°31	5°25	17°18	W 2
T 3	18 41 50	10°23'16	5°52	14°53	19°12	7°30	22°37	14° 4	13°52	7°13	2°49	24°40	25°28	5°32	17°19	T 3
F 4	18 45 47	11°20'27	18°23	17° 0	20°22	8°12	22°49	14° 0	13°51	7°15	2°49	24°28	25°25	5°38	17°20	F 4
S 5	18 49 44	12°17'37	0°42	19° 5	21°31	8°54	23° 0	13°57	13°51	7°17	2°50	24°17	25°22	5°45	17°21	S 5
S 6	18 53 40	13°14'48	12°49	21° 9	22°40	9°35	23°12	13°53	13°50	7°19	2°51	24° 8	25°19	5°52	17°22	S 6
M 7	18 57 37	14°11'59	24°46	23°12	23°49	10°17	23°23	13°50	13°49	7°21	2°52	24° 2	25°15	5°58	17°23	M 7
T 8	19 1 33	15° 9'11	6°37	25°12	24°58	10°58	23°35	13°46	13°48	7°22	2°52	23°58	25°12	6° 5	17°23	T 8
W 9	19 5 30	16° 6'23	18°24	27°11	26° 7	11°40	23°46	13°43	13°47	7°24	2°53	23°57	25° 9	6°12	17°24	W 9
T 10	19 9 26	17° 3'35	0°13	29° 8	27°16	12°21	23°57	13°39	13°47	7°26	2°54	23°D57	25° 6	6°18	17°25	T 10
F 11	19 13 23	18° 0'48	12° 9	1°12	28°25	13° 3	24° 8	13°35	13°46	7°28	2°55	23°R57	25° 3	6°25	17°25	F 11
S 12	19 17 19	18°58'01	24°16	2°57	29°33	13°44	24°19	13°31	13°45	7°30	2°56	23°57	25° 0	6°31	17°26	S 12
S 13	19 21 16	19°55'15	6°41	4°49	0°42	14°25	24°30	13°28	13°45	7°32	2°57	23°56	24°56	6°38	17°27	S 13
M14	19 25 13	20°52'30	19°27	6°39	1°50	15° 7	24°40	13°24	13°44	7°33	2°58	23°53	24°53	6°45	17°27	M14
T 15	19 29 9	21°49'46	2°40	8°27	2°58	15°48	24°51	13°20	13°44	7°35	2°59	23°47	24°50	6°51	17°27	T 15
W16	19 33 6	22°47'02	16°19	10°13	4° 6	16°29	25° 2	13°16	13°43	7°37	3° 0	23°39	24°47	6°58	17°28	W16
T 17	19 37 2	23°44'19	0°25	11°58	5°14	17°10	25°12	13°12	13°43	7°38	3° 1	23°31	24°44	7° 5	17°28	T 17
F 18	19 40 59	24°41'37	14°54	13°40	6°22	17°51	25°22	13° 7	13°43	7°40	3° 2	23°21	24°41	7°11	17°28	F 18
S 19	19 44 55	25°38'55	29°39	15°21	7°30	18°32	25°33	13° 3	13°43	7°42	3° 3	23°13	24°37	7°18	17°28	S 19
S 20	19 48 52	26°36'14	14°34	17° 0	8°38	19°12	25°43	12°59	13°42	7°43	3° 4	23° 6	24°34	7°25	17°29	S 20
M21	19 52 48	27°33'33	29°28	18°37	9°45	19°53	25°53	12°55	13°42	7°45	3° 6	23° 2	24°31	7°31	17°29	M21
T 22	19 56 45	28°30'52	14°15	20°12	10°53	20°34	26° 3	12°51	13°42	7°47	3° 7	23° 0	24°28	7°38	17°29	T 22
W23	20 0 42	29°28'12	28°48	21°45	12° 0	21°15	26°12	12°46	13°D42	7°48	3° 8	23°D 0	24°25	7°45	17°29	W23
T 24	20 4 38	0°25'33	13°4	23°17	13° 7	21°55	26°22	12°42	13°42	7°50	3° 9	23° 1	24°21	7°51	17°29	T 24
F 25	20 8 35	1°22'54	27° 2	24°47	14°14	22°36	26°32	12°38	13°42	7°51	3°11	23°R 1	24°18	7°58	17°28	F 25
S 26	20 12 31	2°20'15	10°41	26°14	15°21	23°16	26°41	12°33	13°42	7°53	3°12	23° 1	24°15	8° 5	17°28	S 26
S 27	20 16 28	3°17'37	24° 2	27°40	16°27	23°56	26°51	12°29	13°42	7°54	3°13	22°59	24°12	8°11	17°28	S 27
M28	20 20 24	4°15'00	7°8	29° 4	17°34	24°37	27° 0	12°25	13°43	7°55	3°15	22°55	24° 9	8°18	17°28	M28
T 29	20 24 21	5°12'23	19°59	0°17	18°40	25°17	27° 9	12°20	13°43	7°57	3°16	22°49	24° 6	8°25	17°27	T 29
W30	20 28 18	6° 9'47	2°37	1°47	19°46	25°57	27°18	12°16	13°43	7°58	3°18	22°42	24° 2	8°31	17°27	W30
T 31	20 32 14	7°11'11	15°4	3°17	20°52	26°37	27°27	12°11	13°44	8°II 0	3°19	22°34	23°59	8°38	17°26	T 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
T 1	23n12	26s49 4s51	24n32 1n29	17n29 1n47	21n18 0s 4	17n27 0s57	17s28 0s54	15s42 0n21	20n 1 1s33	14n15 16n46	1s58 1s46	11s15 8n16	1n36		
W 2	23 8	28 18 5 1	24 25 1 34	17 7 1 45	21 26 0 3	17 30 0 57	17 29 0 55	15 42 0 21	20 1 1 33	14 14 16 46	2 3 1 47	11 11 8 17	1 36		
T 3	23 4	28 16 4 55	24 17 1 39	16 44 1 44	21 33 0 3	17 33 0 57	17 31 0 55	15 42 0 21	20 1 1 33	14 13 16 45	2 7 1 48	11 8 8 17	1 36		
F 4	23 0	26 46 4 36	24 5 1 43	16 20 1 42	21 41 0 2	17 35 0 57	17 32 0 55	15 41 0 21	20 1 1 33	14 12 16 45	2 12 1 49	11 5 8 18	1 36		
S 5	22 54	23 59 4 3	23 52 1 46	15 56 1 40	21 48 0 1	17 38 0 57	17 33 0 55	15 41 0 21	20 2 1 33	14 12 16 44	2 16 1 51	11 2 8 18	1 36		
S 6	22 49	20 11 3 20	23 35 1 48	15 32 1 39	21 55 0 0	17 41 0 57	17 34 0 55	15 41 0 21	20 2 1 33	14 11 16 44	2 20 1 52	10 58 8 18	1 36		
M 7	22 43	15 37 2 29	23 17 1 50	15 7 1 37	22 2 0n 0	17 44 0 57	17 35 0 55	15 41 0 21	20 2 1 33	14 10 16 43	2 22 1 53	10 55 8 19	1 36		
T 8	22 37	10 31 1 31	22 56 1 51	14 42 1 35	22 9 0 1	17 47 0 57	17 36 0 55	15 40 0 21	20 3 1 33	14 9 16 43	2 24 1 55	10 52 8 19	1 36		
W 9	22 30	5 3 0 30	22 34 1 51	14 17 1 33	22 15 0 2	17 49 0 57	17 37 0 56	15 40 0 21	20 3 1 33	14 9 16 42	2 24 1 56	10 49 8 19	1 36		
T 10	22 23	0n36 0n33	22 10 1 50	13 52 1 31	22 21 0 3	17 52 0 57	17 39 0 56	15 40 0 21	20 3 1 33	14 8 16 42	2 24 1 57	10 45 8 19	1 36		
F 11	22 16	6 16 1 36	21 44 1 49	13 26 1 28	22 27 0 3	17 55 0 57	17 40 0 56	15 40 0 21	20 3 1 33	14 7 16 41	2 24 1 58	10 42 8 20	1 36		
S 12	22 8	11 49 2 35	21 16 1 48	12 59 1 26	22 33 0 4	17 57 0 57	17 41 0 56	15 40 0 21	20 4 1 33	14 6 16 41	2 24 2 0	10 39 8 20	1 36		
S 13	22 0	17 2 3 28	20 48 1 45	12 33 1 24	22 39 0 5	18 0 0 57	17 42 0 56	15 40 0 21	20 4 1 33	14 5 16 40	2 25 2 1	10 36 8 20	1 36		
M14	21 51	21 40 4 12	20 18 1 42	12 6 1 21	22 44 0 5	18 3 0 57	17 43 0 56	15 39 0 21	20 4 1 33	14 5 16 40	2 26 2 2	10 32 8 20	1 36		
T 15	21 42	25 22 4 44	19 46 1 39	11 39 1 18	22 49 0 6	18 5 0 57	17 45 0 56	15 39 0 21	20 4 1 33	14 4 16 39	2 28 2 3	10 29 8 21	1 36		
W16	21 33	27 47 5 2	19 14 1 35	11 12 1 16	22 54 0 7	18 8 0 57	17 46 0 56	15 39 0 21	20 5 1 33	14 3 16 39	2 31 2 5	10 26 8 21	1 36		
T 17	21 23	28 31 5 2	18 41 1 31	10 44 1 13	22 59 0 8	18 10 0 57	17 47 0 56	15 39 0 21	20 5 1 33	14 2 16 38	2 35 2 6	10 23 8 21	1 36		
F 18	21 13	27 21 4 44	18 7 1 26	10 16 1 10	23 4 0 8	18 12 0 58	17 49 0 57	15 39 0 21	20 5 1 33	14 1 16 38	2 38 2 7	10 19 8 21	1 36		
S 19	21 3	24 16 4 6	17 32 1 20	9 48 1 7	23 8 0 9	18 15 0 58	17 50 0 57	15 39 0 21	20 5 1 33	14 0 16 37	2 42 2 8	10 16 8 21	1 36		
S 20	20 52	19 32 3 11	16 57 1 14	9 20 1 4	23 12 0 10	18 17 0 58	17 51 0 57	15 39 0 21	20 6 1 33	13 59 16 37	2 44 2 10	10 13 8 21	1 36		
M21	20 41	13 36 2 3	16 21 1 8	8 51 1 0	23 16 0 11	18 19 0 58	17 52 0 57	15 39 0 21	20 6 1 34	13 59 16 36	2 46 2 11	10 10 8 21	1 36		
T 22	20 29	6 56 0 47	15 44 1 1	8 23 0 57	23 20 0 11	18 22 0 58	17 54 0 57	15 39 0 21	20 6 1 34	13 58 16 36	2 47 2 12	10 6 8 21	1 36		
W23	20 18	0s 0 0s31	15 8 0 54	7 54 0 54	23 23 0 12	18 24 0 58	17 55 0 57	15 39 0 21	20 6 1 34	13 57 16 35	2 47 2 13	10 3 8 21	1 36		
T 24	20 5	6 48 1 46	14 31 0 46	7 25 0 50	23 27 0 13	18 26 0 58	17 56 0 57	15 39 0 20	20 7 1 34	13 56 16 35	2 47 2 15	10 0 8 21	1 36		
F 25	19 53	13 7 2 53	13 53 0 39	6 56 0 46	23 30 0 14	18 28 0 58	17 58 0 57	15 39 0 20	20 7 1 34	13 55 16 34	2 46 2 16	9 56 8 21	1 36		
S 26	19 40	18 39 3 48	13 16 0 30	6 26 0 43	23 33 0 14	18 30 0 58	17 59 0 58	15 39 0 20	20 7 1 34	13 54 16 34	2 47 2 17	9 53 8 21	1 36		
S 27	19 27	23 10 4 30	12 39 0 22	5 57 0 39	23 35 0 15	18 32 0 58	18 0 0 58	15 39 0 20	20 7 1 34	13 53 16 34	2 47 2 18	9 50 8 21	1 36		
M28	19 14	26 24 4 56	12 1 0 13	5 28 0 35	23 38 0 16	18 34 0 58	18 2 0 58	15 39 0 20	20 7 1 34	13 52 16 33	2 49 2 20	9 47 8 21	1 36		
T 29	19 0	28 12 5 7	11 24 0 4	4 58 0 31	23 40 0 17	18 36 0 58	18 3 0 58	15 39 0 20	20 8 1 34	13 51 16 33	2 51 2 21	9 43 8 21	1 36		
W30	18 46	28 30 5 3	10 47 0s 5	4 28 0 27	23 42 0 17	18 38 0 58	18 4 0 58	15 40 0 20	20 8 1 34	13 50 16 32	2 54 2 22	9 40 8 21	1 36		
T 31	18n31	27s20 4s45	10n10 0s15	3n58 0n23	23n44 0n18	18n40 0s59	18s 6 0s58	15s40 0n20	20n 8 1s34	13n49 16n32	2s57 2s24	9s37 8n20	1n36		

Julian Day Number = 2352014.5, Delta T = 10.87 sec  
Ecliptic obliquity = 23°28'37", Nutation = 0°00'02", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°56'10", Lahiri = 20°03'10"Greg. Calendar



# ASTRODIENST EPHEMERIS for the year 1727

## geocentric

AUGUST 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 36 11	8♌ 4'37	27♌19	4♍21	21♍58	27♍17	27♍35	12°R 7	13♍44	8♍1	3♎21	22°R26	23♎56	8♎45	17°R26	F 1
S 2	20 40 7	9° 2'03	9♎26	5°35	23° 4	27°57	27°44	12° 2	13°45	8° 2	3°22	22°18	23°53	8°51	17°25	S 2
S 3	20 44 4	9°59'30	21°24	6°47	24° 9	28°37	27°52	11°58	13°45	8° 4	3°24	22°13	23°50	8°58	17°25	S 3
M 4	20 48 0	10°56'59	3♋16	7°56	25°15	29°17	28° 1	11°54	13°46	8° 5	3°25	22° 9	23°47	9° 4	17°24	M 4
T 5	20 51 57	11°54'28	15° 4	9° 3	26°20	29°57	28° 9	11°49	13°46	8° 6	3°27	22° 7	23°43	9°11	17°23	T 5
W 6	20 55 53	12°51'59	26°51	10° 8	27°25	0♏36	28°17	11°45	13°47	8° 7	3°28	22°D 7	23°40	9°18	17°22	W 6
T 7	20 59 50	13°49'31	8♏40	11°10	28°29	1°16	28°25	11°40	13°48	8° 8	3°30	22° 8	23°37	9°24	17°22	T 7
F 8	21 3 46	14°47'04	20°36	12° 9	29°34	1°56	28°33	11°36	13°49	8° 9	3°32	22°10	23°34	9°31	17°21	F 8
S 9	21 7 43	15°44'39	2♏43	13° 6	0♎38	2°35	28°40	11°31	13°49	8°11	3°33	22°11	23°31	9°38	17°20	S 9
S 10	21 11 40	16°42'15	15° 7	14° 0	1°42	3°15	28°48	11°27	13°50	8°12	3°35	22°R12	23°27	9°44	17°19	S 10
M 11	21 15 36	17°39'53	27°51	14°51	2°46	3°54	28°55	11°22	13°51	8°13	3°37	22°11	23°24	9°51	17°18	M 11
T 12	21 19 33	18°37'32	10♏59	15°38	3°50	4°33	29° 2	11°18	13°52	8°14	3°39	22°10	23°21	9°58	17°17	T 12
W 13	21 23 29	19°35'13	24°36	16°22	4°53	5°13	29° 9	11°13	13°53	8°15	3°40	22° 6	23°18	10° 4	17°15	W 13
T 14	21 27 26	20°32'56	8♏40	17° 3	5°56	5°52	29°16	11° 9	13°54	8°16	3°42	22° 2	23°15	10°11	17°14	T 14
F 15	21 31 22	21°30'40	23°11	17°40	6°59	6°31	29°23	11° 5	13°56	8°17	3°44	21°58	23°12	10°18	17°13	F 15
S 16	21 35 19	22°28'26	8♏2	18°13	8° 2	7°10	29°30	11° 0	13°57	8°17	3°46	21°54	23° 8	10°24	17°12	S 16
S 17	21 39 16	23°26'13	23° 8	18°41	9° 4	7°49	29°36	10°56	13°58	8°18	3°48	21°50	23° 5	10°31	17°10	S 17
M 18	21 43 12	24°24'01	8♏17	19° 5	10° 7	8°28	29°42	10°52	13°59	8°19	3°50	21°49	23° 2	10°38	17° 9	M 18
T 19	21 47 9	25°21'51	23°22	19°24	11° 8	9° 7	29°48	10°47	14° 1	8°20	3°51	21°D48	22°59	10°44	17° 7	T 19
W 20	21 51 5	26°19'41	8♏13	19°39	12°10	9°45	29°54	10°43	14° 2	8°21	3°53	21°49	22°56	10°51	17° 6	W 20
T 21	21 55 2	27°17'34	22°44	19°48	13°11	10°24	0♏0	10°39	14° 4	8°21	3°55	21°50	22°52	10°57	17° 4	T 21
F 22	21 58 58	28°15'27	6♏53	19°R52	14°12	11° 3	0° 6	10°35	14° 5	8°22	3°57	21°51	22°49	11° 4	17° 3	F 22
S 23	22 2 55	29°13'22	20°38	19°50	15°13	11°41	0°11	10°31	14° 7	8°23	3°59	21°52	22°46	11°11	17° 1	S 23
S 24	22 6 51	0♏11'18	3♏59	19°42	16°14	12°20	0°16	10°27	14° 8	8°23	4° 1	21°R53	22°43	11°17	16°59	S 24
M 25	22 10 48	1° 9'15	19°59	19°28	17°14	12°58	0°22	10°22	14°10	8°24	4° 3	21°52	22°40	11°24	16°58	M 25
T 26	22 14 45	2° 7'14	26°41	19° 8	18°13	13°36	0°27	10°18	14°12	8°25	4° 5	21°50	22°37	11°31	16°56	T 26
W 27	22 18 41	3° 5'14	12♏7	18°42	19°13	14°15	0°31	10°15	14°13	8°25	4° 7	21°48	22°33	11°37	16°54	W 27
T 28	22 22 38	4° 3'15	24°21	18°10	20°12	14°53	0°36	10°11	14°15	8°26	4° 9	21°45	22°30	11°44	16°52	T 28
F 29	22 26 34	5° 1'18	6♏25	17°32	21°10	15°31	0°40	10° 7	14°17	8°26	4°12	21°42	22°27	11°51	16°50	F 29
S 30	22 30 31	5°59'22	18°22	16°49	22° 8	16° 9	0°45	10° 3	14°19	8°27	4°14	21°40	22°24	11°57	16°48	S 30
S 31	22 34 27	6♏57'28	0♏13	16♏1	23♏6	16♏47	0♏49	9♏59	14♏21	8♏27	4♏16	21♏38	22♏21	12♏4	16♏46	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	18n17	24s52	4s13	9n33	0s25	3n28	0n18	23n46	0n19	18n42	0s59	18s 7	0s58	15s40	0n20	20n 8	1s34	13n48	16n31	3s 1	2s25	9s33	8n20	1n36	
S 2	18 2	21 18	3 30	8 57	0 35	2 58	0 14	23 47	0 20	18 44	0 59	18 8	0 58	15 40	0 20	20 8	1 34	13 47	16 31	3 3	2 26	9 30	8 20	1 36	
S 3	17 46	16 54	2 39	8 21	0 45	2 28	0 10	23 49	0 20	18 46	0 59	18 10	0 58	15 40	0 20	20 8	1 34	13 46	16 31	3 6	2 27	9 27	8 20	1 36	
M 4	17 31	11 53	1 41	7 45	0 55	1 58	0 5	23 50	0 21	18 47	0 59	18 11	0 58	15 40	0 20	20 9	1 34	13 45	16 30	3 7	2 29	9 24	8 19	1 36	
T 5	17 15	6 29	0 38	7 10	1 6	1 28	0 1	23 51	0 22	18 49	0 59	18 12	0 59	15 41	0 20	20 9	1 34	13 44	16 30	3 8	2 30	9 20	8 19	1 36	
W 6	16 59	0 52	0n26	6 36	1 16	0 58	0s 4	23 51	0 23	18 51	0 59	18 14	0 59	15 41	0 20	20 9	1 34	13 43	16 30	3 8	2 31	9 17	8 19	1 36	
T 7	16 42	4n48	1 29	6 3	1 27	0 28	0 9	23 52	0 23	18 53	0 59	18 15	0 59	15 41	0 20	20 9	1 34	13 42	16 29	3 8	2 32	9 14	8 19	1 36	
F 8	16 25	10 22	2 29	5 30	1 38	0s 2	0 14	23 52	0 24	18 54	0 59	18 16	0 59	15 41	0 20	20 9	1 34	13 41	16 29	3 7	2 34	9 10	8 18	1 36	
S 9	16 9	15 37	3 24	4 58	1 49	0 32	0 19	23 52	0 25	18 56	0 59	18 18	0 59	15 42	0 20	20 9	1 34	13 40	16 28	3 6	2 35	9 7	8 18	1 36	
S 10	15 51	20 22	4 10	4 28	2 0	1 2	0 24	23 52	0 26	18 57	0 59	18 19	0 59	15 42	0 20	20 9	1 34	13 39	16 28	3 6	2 36	9 4	8 17	1 36	
M 11	15 34	24 20	4 45	3 58	2 11	1 33	0 29	23 52	0 27	18 59	1 0	18 20	0 59	15 42	0 20	20 9	1 34	13 38	16 28	3 6	2 37	9 0	8 17	1 36	
T 12	15 16	27 11	5 7	3 30	2 22	2 3	0 34	23 51	0 27	19 0	1 0	18 22	0 59	15 43	0 20	20 10	1 34	13 37	16 27	3 7	2 39	8 57	8 17	1 36	
W 13	14 58	28 34	5 12	3 2	2 33	2 33	0 39	23 51	0 28	19 2	1 0	18 23	0 59	15 43	0 20	20 10	1 34	13 36	16 27	3 8	2 40	8 54	8 16	1 36	
T 14	14 40	28 11	5 0	2 37	2 44	3 3	0 45	23 50	0 29	19 3	1 0	18 24	0 59	15 43	0 20	20 10	1 34	13 35	16 27	3 10	2 41	8 50	8 16	1 36	
F 15	14 21	25 53	4 28	2 13	2 54	3 33	0 50	23 49	0 30	19 4	1 0	18 26	0 59	15 44	0 20	20 10	1 35	13 34	16 26	3 12	2 42	8 47	8 15	1 36	
S 16	14 3	21 47	3 37	1 50	3 5	4 2	0 55	23 47	0 30	19 6	1 0	18 27	0 59	15 44	0 20	20 10	1 35	13 33	16 26	3 13	2 44	8 44	8 15	1 36	
S 17	13 44	16 12	2 31	1 30	3 15	4 32	1 1	23 46	0 31	19 7	1 0	18 28	0 59	15 44	0 20	20 10	1 35	13 32	16 26	3 14	2 45	8 41	8 14	1 36	
M 18	13 25	9 37	1 14	1 11	3 25	5 2	1 7	23 44	0 32	19 8	1 0	18 29	0 59	15 45	0 20	20 10	1 35	13 31	16 25	3 15	2 46	8 37	8 14	1 36	
T 19	13 5	2 30	0s 9	0 55	3 35	5 31	1 12	23 43	0 33	19 9	1 0	18 31	0 59	15 45	0 20	20 10	1 35	13 30	16 25	3 15	2 47	8 34	8 13	1 36	
W 20	12 46	4s38	1 29	0 41	3 44	6 1	1 18	23 41	0 34	19 11	1 0	18 32	1 0	15 46	0 20	20 10	1 35	13 29	16 25	3 15	2 49	8 31	8 13	1 36	
T 21	12 26	11 22	2 42	0 29	3 52	6 30	1 24	23 38	0 34	19 12	1 1	18 33	1 0	15 46	0 20	20 10	1 35	13 28	16 24	3 15	2 50	8 27	8 12	1 36	
F 22	12 6	17 21	3 43	0 20	4 0	6 59	1 30	23 36	0 35	19 13	1 1	18 34	1 0	15 47	0 20	20 10	1 35	13 27	16 24	3 14	2 51	8 24	8 11	1 36	
S 23	11 46	22 16	4 30	0 15	4 7	7 28	1 35	23 34	0 36	19 14	1 1	18 35	1 0	15 47	0 20	20 11	1 35	13 26	16 24	3 14	2 52	8 21	8 11	1 36	
S 24	11 25	25 53	5 0	0 12	4 14	7 57	1 41	23 31	0 37	19 15	1 1	18 36	1 0	15 48	0 20	20 11	1 35	13 25	16 24	3 14	2 54	8 17	8 10	1 36	
M 25	11 5	28 3	5 14	0 12	4 19	8 26	1 47	23 28	0 38	19 16	1 1	18 38	1 0	15 48	0 20	20 11	1 35	13 24	16 23	3 14	2 55	8 14	8 9	1 36	
T 26	10 44	28 41	5 12	0 16	4 23	8 54	1 54	23 25	0 38	19 17	1 1	18 39	1 0	15 49	0 20	20 11	1 35	13 23	16 23	3 15	2 56	8 11	8 9	1 36	
W 27	10 23	27 50	4 56	0 24	4 26	9 23	2 0	23 22	0 39	19 18	1 1	18 40	1 0	15 49	0 20	20 11	1 35	13 22	16 23	3 16	2 57	8 7	8 8	1 36	
T 28	10 2	25 39	4 26	0 35	4 28	9 51	2 6	23 18	0 40	19 18	1 1	18 41	1 0	15 50	0 20	20 11	1 35	13 21	16 23	3 17	2 59	8 4	8 7	1 36	
F 29	9 41	22 19	3 45	0 49	4 28	10 19	2 12	23 15	0 41	19 19	1 1	18 42	1 0	15 50	0 20	20 11	1 35	13 20	16 22	3 18	3 0	8 1	8 6	1 36	
S 30	9 20	18 6	2 54	1 8	4 26	10 46	2 18	23 11	0 42	19 20	1 2	18 43	1 0	15 51	0 20	20 11	1 35	13 19	16 22	3 19	3 1	7 57	8 6	1 36	
S 31	8n58	13s13	1s56	1n30	4s22	11s14	2s24	23n 7	0n42	19n21	1s 2	18s44	1s 0	15s51	0n19	20n11	1s35	13n18	16n22	3s19	3s 3	7s54	8n 5	1n36	

ASTRODIENST EPHEMERIS for the year 1727  
geocentric

SEPTEMBER 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 38 24	7 <sup>h</sup> 55'36	12 <sup>h</sup> 1	15°R 8	24 <sup>h</sup> 3	17 <sup>h</sup> 25	0 <sup>h</sup> 53	9°R55	14 <sup>h</sup> 23	8 <sup>h</sup> 27	4 <sup>h</sup> 18	21°R37	22 <sup>h</sup> 18	12 <sup>h</sup> 11	16°R44	M 1
T 2	22 42 20	8°53'45	23°49	14 <sup>h</sup> 13	25° 0	18° 2	0°56	9°52	14°25	8°28	4°20	21°D37	22°14	12°17	16°Y42	T 2
W 3	22 46 17	9°51'56	5°Y38	13°15	25°57	18°40	1° 0	9°48	14°27	8°28	4°22	21°X38	22°11	12°24	16°40	W 3
T 4	22 50 13	10°50'09	17°32	12°15	26°53	19°18	1° 3	9°45	14°29	8°28	4°24	21°38	22° 8	12°31	16°38	T 4
F 5	22 54 10	11°48'24	29°32	11°16	27°48	19°55	1° 6	9°41	14°31	8°29	4°26	21°39	22° 5	12°37	16°36	F 5
S 6	22 58 7	12°46'41	11 <sup>h</sup> 43	10°18	28°43	20°33	1° 9	9°38	14°33	8°29	4°29	21°40	22° 2	12°44	16°34	S 6
S 7	23 2 3	13°45'00	24° 8	9°23	29°38	21°10	1°12	9°35	14°35	8°29	4°31	21°41	21°58	12°50	16°31	S 7
M 8	23 6 0	14°43'21	6 <sup>h</sup> 11	8°32	0 <sup>h</sup> 32	21°48	1°15	9°31	14°38	8°29	4°33	21°41	21°55	12°57	16°29	M 8
T 9	23 9 56	15°41'44	19°56	7°46	1°25	22°25	1°17	9°28	14°40	8°29	4°35	21°R41	21°52	13° 4	16°27	T 9
W10	23 13 53	16°40'10	3 <sup>h</sup> 24	7° 7	2°18	23° 2	1°19	9°25	14°42	8°29	4°38	21°41	21°49	13°10	16°25	W10
T 11	23 17 49	17°38'38	17°19	6°35	3°10	23°39	1°21	9°22	14°45	8°29	4°40	21°41	21°46	13°17	16°22	T 11
F 12	23 21 46	18°37'07	1 <sup>h</sup> 39	6°11	4° 2	24°16	1°23	9°19	14°47	8°R29	4°42	21°40	21°43	13°24	16°20	F 12
S 13	23 25 42	19°35'39	16°22	5°57	4°53	24°53	1°25	9°16	14°50	8°29	4°44	21°40	21°39	13°30	16°17	S 13
S 14	23 29 39	20°34'13	1 <sup>h</sup> 22	5°D52	5°43	25°30	1°26	9°13	14°52	8°29	4°47	21°40	21°36	13°37	16°15	S 14
M15	23 33 36	21°32'49	16°32	5°56	6°33	26° 7	1°27	9°11	14°55	8°29	4°49	21°40	21°33	13°44	16°12	M15
T 16	23 37 32	22°31'27	1 <sup>h</sup> 43	6°10	7°22	26°43	1°28	9° 8	14°57	8°29	4°51	21°40	21°30	13°50	16°10	T 16
W17	23 41 29	23°30'07	16°44	6°33	8°10	27°20	1°29	9° 5	15° 0	8°29	4°53	21°40	21°27	13°57	16° 7	W17
T 18	23 45 25	24°28'48	1 <sup>h</sup> 48	7° 6	8°58	27°56	1°30	9° 3	15° 3	8°29	4°56	21°40	21°24	14° 4	16° 5	T 18
F 19	23 49 22	25°27'32	15°50	7°47	9°44	28°33	1°30	9° 1	15° 5	8°28	4°58	21°39	21°20	14°10	16° 2	F 19
S 20	23 53 18	26°26'17	29°45	8°37	10°30	29° 9	1°31	8°58	15° 8	8°28	5° 0	21°39	21°17	14°17	15°59	S 20
S 21	23 57 15	27°25'04	13 <sup>h</sup> 13	9°35	11°15	29°45	1°R31	8°56	15°11	8°28	5° 3	21°39	21°14	14°24	15°57	S 21
M22	0 1 11	28°23'53	26°15	10°40	11°59	0 <sup>h</sup> 21	1°30	8°54	15°14	8°28	5° 5	21°D38	21°11	14°30	15°54	M22
T 23	0 5 8	29°22'43	8 <sup>h</sup> 36	11°52	12°42	0°58	1°30	8°52	15°16	8°27	5° 7	21°38	21° 8	14°37	15°51	T 23
W24	0 9 5	0 <sup>h</sup> 21'35	21°17	13° 9	13°24	1°33	1°30	8°50	15°19	8°27	5°10	21°39	21° 4	14°43	15°49	W24
T 25	0 13 1	1°20'29	3 <sup>h</sup> 24	14°32	14° 5	2° 9	1°29	8°48	15°22	8°26	5°12	21°40	21° 1	14°50	15°46	T 25
F 26	0 16 58	2°19'25	15°21	15°59	14°45	2°45	1°28	8°46	15°25	8°26	5°14	21°41	20°58	14°57	15°43	F 26
S 27	0 20 54	3°18'22	27°12	17°31	15°24	3°21	1°27	8°45	15°28	8°26	5°17	21°42	20°55	15° 3	15°41	S 27
S 28	0 24 51	4°17'22	9 <sup>h</sup> 0	19° 5	16° 2	3°56	1°25	8°43	15°31	8°25	5°19	21°43	20°52	15°10	15°38	S 28
M29	0 28 47	5°16'23	20°48	20°43	16°38	4°32	1°24	8°42	15°34	8°24	5°21	21°R43	20°49	15°17	15°35	M29
T 30	0 32 44	6 <sup>h</sup> 15'26	2°Y38	22 <sup>h</sup> 22	17 <sup>h</sup> 13	5 <sup>h</sup> 2	1 <sup>h</sup> 22	8 <sup>h</sup> 40	15 <sup>h</sup> 37	8 <sup>h</sup> 24	5 <sup>h</sup> 23	21°X43	20°X45	15°X23	15°Y32	T 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	8n37	7s53	0s53	1n55	4s17	11s41	2s31	23n 3	0n43	19n21	1s 2	18s45	1s 0	15s52	0n19	20n11	1s35	13n17	16n22	3s20	3s 4	7s50	8n 4	1n36	
T 2	8 15	2 16	0n12	2 23	4 10	12 8	2 37	22 59	0 44	19 22	1 2	18 46	1 0	15 53	0 19	20 11	1 35	13 16	16 22	3 20	3 5	7 47	8 3	1 36	
W 3	7 53	3n25	1 17	2 54	4 0	12 34	2 43	22 55	0 45	19 23	1 2	18 47	1 0	15 53	0 19	20 11	1 35	13 15	16 21	3 20	3 6	7 44	8 3	1 36	
T 4	7 31	9 2	2 19	3 27	3 49	13 1	2 50	22 50	0 46	19 23	1 2	18 48	1 0	15 54	0 19	20 11	1 35	13 14	16 21	3 19	3 8	7 40	8 2	1 36	
F 5	7 9	14 22	3 15	4 1	3 36	13 27	2 56	22 46	0 47	19 24	1 2	18 49	1 0	15 55	0 19	20 11	1 36	13 13	16 21	3 19	3 9	7 37	8 1	1 36	
S 6	6 46	19 14	4 4	4 36	3 22	13 53	3 3	22 41	0 47	19 24	1 2	18 50	1 0	15 55	0 19	20 11	1 36	13 12	16 21	3 18	3 10	7 34	8 0	1 36	
S 7	6 24	23 23	4 42	5 12	3 5	14 18	3 9	22 36	0 48	19 25	1 2	18 51	1 0	15 56	0 19	20 11	1 36	13 11	16 21	3 18	3 11	7 30	7 59	1 36	
M 8	6 2	26 32	5 7	5 47	2 48	14 44	3 16	22 31	0 49	19 25	1 3	18 52	1 0	15 57	0 19	20 11	1 36	13 10	16 21	3 18	3 13	7 27	7 58	1 36	
T 9	5 39	28 22	5 18	6 21	2 30	15 9	3 22	22 26	0 50	19 26	1 3	18 53	1 0	15 57	0 19	20 11	1 36	13 9	16 20	3 18	3 14	7 24	7 57	1 36	
W10	5 16	28 37	5 11	6 54	2 10	15 33	3 29	22 20	0 51	19 26	1 3	18 54	1 0	15 58	0 19	20 11	1 36	13 8	16 20	3 18	3 15	7 20	7 56	1 36	
T 11	4 53	27 5	4 47	7 24	1 51	15 57	3 35	22 15	0 52	19 26	1 3	18 54	1 0	15 59	0 19	20 11	1 36	13 7	16 20	3 18	3 16	7 17	7 55	1 36	
F 12	4 31	23 47	4 4	7 51	1 31	16 21	3 42	22 9	0 52	19 27	1 3	18 55	1 0	16 0	0 19	20 11	1 36	13 6	16 20	3 18	3 18	7 14	7 54	1 36	
S 13	4 8	18 53	3 4	8 14	1 12	16 45	3 48	22 3	0 53	19 27	1 3	18 56	1 0	16 0	0 19	20 11	1 36	13 5	16 20	3 19	3 19	7 10	7 53	1 36	
S 14	3 45	12 44	1 51	8 34	0 52	17 8	3 54	21 58	0 54	19 27	1 3	18 57	1 0	16 1	0 19	20 10	1 36	13 4	16 20	3 19	3 20	7 7	7 52	1 36	
M15	3 21	5 46	0 29	8 50	0 34	17 31	4 1	21 52	0 55	19 27	1 3	18 57	1 0	16 2	0 19	20 10	1 36	13 3	16 20	3 19	3 21	7 3	7 51	1 36	
T 16	2 58	1s32	0s56	9 1	0 16	17 53	4 7	21 45	0 56	19 27	1 3	18 58	1 0	16 3	0 19	20 10	1 36	13 2	16 20	3 19	3 23	7 0	7 50	1 36	
W17	2 35	8 40	2 15	9 8	0n 1	18 15	4 14	21 39	0 57	19 27	1 4	18 59	1 0	16 3	0 19	20 10	1 36	13 1	16 20	3 19	3 24	6 57	7 49	1 36	
T 18	2 12	15 11	3 24	9 11	0 17	18 37	4 20	21 33	0 57	19 27	1 4	18 59	1 0	16 4	0 19	20 10	1 36	13 0	16 19	3 19	3 25	6 53	7 48	1 36	
F 19	1 48	20 43	4 18	9 9	0 32	18 58	4 27	21 26	0 58	19 27	1 4	19 0	1 0	16 5	0 19	20 10	1 36	12 59	16 19	3 19	3 26	6 50	7 47	1 36	
S 20	1 25	24 55	4 55	9 3	0 45	19 19	4 33	21 19	0 59	19 27	1 4	19 1	1 0	16 6	0 19	20 10	1 36	12 58	16 19	3 19	3 28	6 47	7 46	1 36	
S 21	1 2	27 37	5 14	8 53	0 58	19 39	4 39	21 13	1 0	19 27	1 4	19 1	1 0	16 7	0 19	20 10	1 36	12 57	16 19	3 19	3 29	6 43	7 45	1 36	
M22	0 38	28 42	5 17	8 38	1 9	19 59	4 45	21 6	1 1	19 27	1 4	19 2	1 0	16 8	0 19	20 10	1 36	12 56	16 19	3 19	3 30	6 40	7 44	1 35	
T 23	0 15	28 13	5 3	8 20	1 18	20 18	4 52	20 59	1 2	19 27	1 4	19 2	1 0	16 8	0 19	20 10	1 36	12 55	16 19	3 19	3 31	6 36	7 43	1 35	
W24	0s 9	26 20	4 36	7 58	1 27	20 37	4 58	20 52	1 3	19 27	1 4	19 3	1 0	16 9	0 19	20 10	1 36	12 54	16 19	3 19	3 33	6 33	7 42	1 35	
T 25	0 32	23 16	3 57	7 33	1 34	20 55	5 4	20 45	1 4	19 26	1 4	19 3	1 0	16 10	0 19	20 10	1 37	12 53	16 19	3 19	3 34	6 30	7 41	1 35	
F 26	0 56	19 15	3 8	7 5	1 40	21 13	5 10	20 37	1 4	19 26	1 5	19 4	1 0	16 11	0 19	20 9	1 37	12 53	16 19	3 18	3 35	6 26	7 40	1 35	
S 27	1 19	14 32	2 12	6 33	1 45	21 30	5 16	20 30	1 5	19 26	1 5	19 4	1 0	16 12	0 19	20 9	1 37	12 52	16 19	3 18	3 36	6 23	7 39	1 35	
S 28	1 42	9 17	1 10	6 0	1 49	21 47	5 21	20 22	1 6	19 25	1 5	19 5	1 0	16 13	0 19	20 9	1 37	12 51	16 19	3 18	3 38	6 20	7 37	1 35	
M29	2 6	3 44	0 5	5 24	1 52	22 3	5 27	20 15	1 7	19 25	1 5	19 5	1 0	16 14	0 19	20 9	1 37	12 50	16 19	3 17	3 39	6 16	7 36	1 35	
T 30	2s29	1n58	1n 0	4n46	1n54	22s19	5s33	20n 7	1n 8	19n24	1s 5	19s 5	1s 0	16s15	0n19	20n 9	1s37	12n49	16n19	3s18	3s40	6s13	7n35	1n35	

# ASTRODIENST EPHEMERIS for the year 1727

## geocentric

OCTOBER 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 36 40	7♏14'31	14♏34	24♏4	17♏47	5♏42	1°R20	8°R39	15♏40	8°R23	5♏26	21°R42	20♏42	15♏30	15°R29	W 1
T 2	0 40 37	8°13'38	26°37	25°47	18°20	6°18	1♏18	8°R38	15°43	8♏23	5°28	21°R40	20°39	15°37	15°R27	T 2
F 3	0 44 34	9°12'48	8♏48	27°31	18°51	6°53	1°15	8°37	15°47	8°22	5°30	21°37	20°36	15°43	15°24	F 3
S 4	0 48 30	10°12'00	21°10	29°15	19°20	7°28	1°13	8°35	15°50	8°21	5°33	21°34	20°33	15°50	15°21	S 4
S 5	0 52 27	11°11'14	3♏44	1♏1	19°49	8°3	1°10	8°35	15°53	8°21	5°35	21°32	20°29	15°57	15°18	S 5
M 6	0 56 23	12°10'30	16°33	2°46	20°15	8°37	1°7	8°34	15°56	8°20	5°37	21°29	20°26	16°3	15°15	M 6
T 7	1 0 20	13°9'49	29°38	4°32	20°40	9°12	1°4	8°33	15°59	8°19	5°40	21°28	20°23	16°10	15°12	T 7
W 8	1 4 16	14°9'10	13♏2	6°18	21°3	9°47	1°1	8°32	16°3	8°18	5°42	21°D27	20°20	16°16	15°10	W 8
T 9	1 8 13	15°8'33	26°47	8°3	21°25	10°21	0°57	8°32	16°6	8°17	5°44	21°27	20°17	16°23	15°7	T 9
F 10	1 12 9	16°7'59	10♏51	9°48	21°44	10°55	0°53	8°32	16°9	8°16	5°47	21°28	20°14	16°30	15°4	F 10
S 11	1 16 6	17°7'27	25°16	11°33	22°2	11°30	0°49	8°31	16°13	8°16	5°49	21°30	20°10	16°36	15°1	S 11
S 12	1 20 3	18°6'57	9♏58	13°18	22°18	12°4	0°45	8°31	16°16	8°15	5°51	21°31	20°7	16°43	14°58	S 12
M13	1 23 59	19°6'29	24°53	15°1	22°32	12°38	0°41	8°31	16°20	8°14	5°54	21°R31	20°4	16°50	14°55	M13
T 14	1 27 56	20°6'04	9♏53	16°45	22°43	13°12	0°36	8°D31	16°23	8°13	5°56	21°30	20°1	16°56	14°53	T 14
W15	1 31 52	21°5'40	24°50	18°28	22°53	13°45	0°32	8°31	16°26	8°12	5°58	21°28	19°58	17°3	14°50	W15
T 16	1 35 49	22°5'19	9♏35	20°10	23°1	14°19	0°27	8°31	16°30	8°11	6°0	21°24	19°55	17°10	14°47	T 16
F 17	1 39 45	23°5'00	24°1	21°51	23°6	14°53	0°22	8°31	16°33	8°10	6°3	21°19	19°51	17°16	14°44	F 17
S 18	1 43 42	24°4'43	8♏3	23°33	23°9	15°26	0°17	8°32	16°37	8°8	6°5	21°14	19°48	17°23	14°41	S 18
S 19	1 47 38	25°4'27	21°39	25°13	23°R 9	15°59	0°12	8°32	16°40	8°7	6°7	21°10	19°45	17°30	14°38	S 19
M20	1 51 35	26°4'01	4♏47	26°53	23°8	16°32	0°6	8°33	16°44	8°6	6°9	21°6	19°42	17°36	14°36	M20
T 21	1 55 32	27°4'13	17°30	28°32	23°3	17°5	0°0	8°34	16°48	8°5	6°12	21°4	19°39	17°43	14°33	T 21
W22	1 59 28	28°3'51	29°53	0♏11	22°57	17°38	29♏55	8°34	16°51	8°4	6°14	21°D 4	19°35	17°50	14°30	W22
T 23	2 3 25	29°3'42	11♏59	1°49	22°48	18°11	29°49	8°35	16°55	8°3	6°16	21°5	19°32	17°56	14°27	T 23
F 24	2 7 21	0♏35	23°54	3°27	22°36	18°44	29°42	8°36	16°58	8°1	6°18	21°6	19°29	18°3	14°25	F 24
S 25	2 11 18	1°3'29	5♏42	5°4	22°22	19°16	29°36	8°37	17°2	8°0	6°20	21°8	19°26	18°9	14°22	S 25
S 26	2 15 14	2°3'25	17°29	6°40	22°6	19°48	29°30	8°39	17°6	7°59	6°22	21°R 9	19°23	18°16	14°19	S 26
M27	2 19 11	3°3'23	29°19	8°16	21°47	20°20	29°23	8°40	17°9	7°57	6°25	21°9	19°20	18°23	14°17	M27
T 28	2 23 7	4°3'23	11♏15	9°52	21°26	20°52	29°17	8°41	17°13	7°56	6°27	21°6	19°16	18°29	14°14	T 28
W29	2 27 4	5°3'25	23°19	11°27	21°3	21°24	29°10	8°43	17°17	7°55	6°29	21°2	19°13	18°36	14°11	W29
T 30	2 31 1	6°3'28	5♏35	13°2	20°38	21°56	29°3	8°45	17°20	7°53	6°31	20°56	19°10	18°43	14°9	T 30
F 31	2 34 57	7♏3'33	18♏2	14♏36	20♏11	22♏28	28♏56	8°46	17♏24	7♏52	6°33	20°R48	19°R 7	18°R49	14°R 6	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	2s53	7n39	2n 3	4n 7	1n55	22s34	5s38	19n59	1n 9	19n24	1s 5	19s 6	1s 0	16s15	0n19	20n 9
T 2	3 16	13 6	3 1	3 26	1 55	22 48	5 43	19 51	1 10	19 23	1 5	19 6	1 0	16 16	0 19	20 9
F 3	3 39	18 7	3 52	2 44	1 54	23 2	5 48	19 43	1 11	19 23	1 5	19 6	1 0	16 17	0 19	20 8
S 4	4 3	22 27	4 32	2 1	1 53	23 15	5 53	19 35	1 12	19 22	1 5	19 7	1 0	16 18	0 19	20 8
S 5	4 26	25 51	5 0	1 18	1 51	23 27	5 58	19 27	1 12	19 22	1 5	19 7	1 0	16 19	0 19	20 8
M 6	4 49	28 0	5 14	0 33	1 49	23 39	6 3	19 19	1 13	19 21	1 5	19 7	1 0	16 20	0 19	20 8
T 7	5 12	28 41	5 12	0s11	1 46	23 50	6 7	19 11	1 14	19 20	1 5	19 7	1 0	16 21	0 19	20 8
W 8	5 35	27 42	4 53	0 57	1 42	24 1	6 11	19 2	1 15	19 19	1 6	19 7	1 0	16 22	0 19	20 8
T 9	5 58	25 3	4 17	1 42	1 38	24 10	6 15	18 54	1 16	19 19	1 6	19 7	1 0	16 23	0 19	20 8
F 10	6 21	20 50	3 25	2 27	1 34	24 19	6 19	18 45	1 17	19 18	1 6	19 8	1 0	16 24	0 19	20 7
S 11	6 44	15 18	2 19	3 13	1 29	24 27	6 22	18 37	1 18	19 17	1 6	19 8	1 0	16 25	0 19	20 7
S 12	7 7	8 49	1 3	3 58	1 24	24 34	6 25	18 28	1 19	19 16	1 6	19 8	1 0	16 26	0 19	20 7
M13	7 30	1 45	0s18	4 43	1 19	24 41	6 28	18 19	1 20	19 15	1 6	19 8	1 0	16 27	0 19	20 7
T 14	7 52	5s26	1 39	5 28	1 13	24 46	6 31	18 11	1 21	19 14	1 6	19 8	1 0	16 28	0 19	20 7
W15	8 15	12 18	2 53	6 13	1 7	24 51	6 33	18 2	1 22	19 13	1 6	19 8	1 0	16 29	0 19	20 6
T 16	8 37	18 23	3 53	6 57	1 1	24 54	6 34	17 53	1 23	19 12	1 6	19 8	1 0	16 30	0 19	20 6
F 17	8 59	23 17	4 38	7 41	0 55	24 57	6 36	17 44	1 24	19 11	1 6	19 7	1 0	16 31	0 19	20 6
S 18	9 21	26 41	5 4	8 24	0 49	24 58	6 36	17 35	1 25	19 10	1 6	19 7	1 0	16 32	0 19	20 6
S 19	9 43	28 24	5 12	9 7	0 43	24 59	6 37	17 26	1 26	19 9	1 6	19 7	1 0	16 33	0 19	20 6
M20	10 5	28 27	5 4	9 49	0 36	24 58	6 37	17 17	1 27	19 8	1 6	19 7	1 0	16 34	0 19	20 5
T 21	10 27	26 57	4 40	10 31	0 30	24 56	6 36	17 8	1 28	19 6	1 6	19 7	1 0	16 35	0 18	20 5
W22	10 48	24 11	4 4	11 12	0 23	24 54	6 35	16 59	1 29	19 5	1 6	19 7	1 0	16 36	0 18	20 5
T 23	11 9	20 23	3 17	11 52	0 16	24 49	6 33	16 50	1 30	19 4	1 6	19 6	1 0	16 37	0 18	20 5
F 24	11 31	15 50	2 23	12 32	0 10	24 44	6 30	16 40	1 31	19 3	1 6	19 6	1 0	16 38	0 18	20 4
S 25	11 52	10 43	1 23	13 11	0 3	24 37	6 27	16 31	1 32	19 1	1 6	19 6	1 0	16 39	0 18	20 4
S 26	12 12	5 15	0 20	13 50	0s 4	24 29	6 24	16 22	1 33	19 0	1 6	19 5	1 0	16 40	0 18	20 4
M27	12 33	0n24	0n44	14 27	0 11	24 20	6 19	16 13	1 34	18 58	1 6	19 5	1 0	16 41	0 18	20 4
T 28	12 53	6 6	1 47	15 4	0 17	24 9	6 14	16 3	1 35	18 57	1 6	19 5	1 0	16 42	0 18	20 4
W29	13 14	11 38	2 45	15 40	0 24	23 58	6 8	15 54	1 36	18 56	1 6	19 4	1 0	16 43	0 18	20 3
T 30	13 34	16 48	3 37	16 16	0 31	23 44	6 1	15 45	1 37	18 54	1 6	19 4	1 0	16 44	0 18	20 3
F 31	13s53	21n22	4n19	16s50	0s37	23s30	5s54	15n35	1n38	18n53	1s 6	19s 3	1s 0	16s45	0n18	20n 3

Julian Day Number = 2352106.5, Delta T = 10.90 sec  
 Ecliptic obliquity = 23°28'39", Nutation = 0°00'02", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 20°56'22", Lahiri = 20°03'23Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1727  
geocentric

NOVEMBER 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 38 54	8♉ 3'40	0♈42	16♉10	19°R42	22♉59	28°R49	8♉48	17♉28	7°R51	6♉35	20°R39	19♈ 4	18♈56	14°R 4	S 1
S 2	2 42 50	9° 3'50	13°34	17°43	19♉11	23°30	28♉42	8°50	17°31	7♈49	6°37	20♈30	19° 1	19° 3	14♈ 1	S 2
M 3	2 46 47	10° 4'01	26°39	19°16	18°39	24° 2	28°34	8°52	17°35	7°48	6°39	20°23	18°57	19° 9	13°59	M 3
T 4	2 50 43	11° 4'14	9♉55	20°49	18° 5	24°32	28°27	8°54	17°39	7°46	6°41	20°16	18°54	19°16	13°56	T 4
W 5	2 54 40	12° 4'29	23°25	22°21	17°31	25° 3	28°19	8°56	17°42	7°45	6°43	20°12	18°51	19°23	13°54	W 5
T 6	2 58 36	13° 4'46	7♉ 7	23°53	16°55	25°34	28°12	8°59	17°46	7°43	6°45	20°D11	18°48	19°29	13°51	T 6
F 7	3 2 33	14° 5'06	21° 2	25°25	16°19	26° 4	28° 4	9° 1	17°50	7°42	6°47	20°11	18°45	19°36	13°49	F 7
S 8	3 6 30	15° 5'27	5♉10	26°56	15°43	26°35	27°56	9° 3	17°54	7°40	6°49	20°12	18°41	19°42	13°47	S 8
S 9	3 10 26	16° 5'50	19°30	28°27	15° 7	27° 5	27°48	9° 6	17°57	7°39	6°51	20°R12	18°38	19°49	13°44	S 9
M10	3 14 23	17° 6'15	4♉ 0	29°57	14°30	27°35	27°40	9° 9	18° 1	7°37	6°53	20°11	18°35	19°56	13°42	M10
T 11	3 18 19	18° 6'42	18°37	1♉28	13°54	28° 4	27°32	9°12	18° 5	7°36	6°55	20° 8	18°32	20° 2	13°40	T 11
W12	3 22 16	19° 7'11	3♉13	2°58	13°19	28°34	27°24	9°14	18° 8	7°34	6°57	20° 3	18°29	20° 9	13°38	W12
T 13	3 26 12	20° 7'41	17°44	4°27	12°45	29° 3	27°16	9°17	18°12	7°32	6°59	19°54	18°26	20°16	13°35	T 13
F 14	3 30 9	21° 8'14	2♉ 1	5°56	12°11	29°32	27° 8	9°20	18°16	7°31	7° 0	19°44	18°22	20°22	13°33	F 14
S 15	3 34 5	22° 8'47	15°59	7°25	11°39	0♉ 1	27° 0	9°24	18°20	7°29	7° 2	19°34	18°19	20°29	13°31	S 15
S 16	3 38 2	23° 9'22	29°34	8°53	11° 9	0°30	26°52	9°27	18°23	7°28	7° 4	19°23	18°16	20°36	13°29	S 16
M17	3 41 59	24° 9'59	12♉44	10°21	10°40	0°59	26°44	9°30	18°27	7°26	7° 6	19°15	18°13	20°42	13°27	M17
T 18	3 45 55	25°10'37	25°30	11°48	10°13	1°27	26°36	9°34	18°31	7°24	7° 7	19° 8	18°10	20°49	13°25	T 18
W19	3 49 52	26°11'16	7♉55	13°15	9°48	1°55	26°27	9°37	18°35	7°23	7° 9	19° 4	18° 7	20°56	13°23	W19
T 20	3 53 48	27°11'56	20° 2	14°41	9°25	2°23	26°19	9°41	18°38	7°21	7°11	19° 2	18° 3	21° 2	13°21	T 20
F 21	3 57 45	28°12'37	1♉57	16° 7	9° 4	2°51	26°11	9°44	18°42	7°19	7°12	19°D 2	18° 0	21° 9	13°20	F 21
S 22	4 1 41	29°13'19	13°46	17°31	8°45	3°18	26° 3	9°48	18°46	7°18	7°14	19°R 3	17°57	21°16	13°18	S 22
S 23	4 5 38	0♉14'02	25°33	18°55	8°29	3°45	25°55	9°52	18°49	7°16	7°16	19° 2	17°54	21°22	13°16	S 23
M24	4 9 34	1°14'47	7♉25	20°18	8°15	4°12	25°47	9°56	18°53	7°14	7°17	19° 1	17°51	21°29	13°14	M24
T 25	4 13 31	2°15'32	19°25	21°39	8° 4	4°39	25°39	10° 0	18°57	7°13	7°19	18°57	17°47	21°35	13°13	T 25
W26	4 17 28	3°16'19	1♉38	23° 0	7°55	5° 5	25°31	10° 4	19° 0	7°11	7°20	18°50	17°44	21°42	13°11	W26
T 27	4 21 24	4°17'06	14° 6	24°18	7°49	5°32	25°23	10° 8	19° 4	7° 9	7°22	18°41	17°41	21°49	13°10	T 27
F 28	4 25 21	5°17'55	26°50	25°35	7°45	5°58	25°15	10°12	19° 8	7° 7	7°23	18°29	17°38	21°55	13° 8	F 28
S 29	4 29 17	6°18'45	9♉51	26°50	7°D44	6°23	25° 7	10°17	19°11	7° 6	7°25	18°16	17°35	22° 2	13° 7	S 29
S 30	4 33 14	7♉19'36	23♈ 6	28♉ 2	7♉45	6♉49	24♉59	10♉21	19♉15	7♈ 4	7♈26	18♈ 2	17♈32	22♈ 9	13♈ 5	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14s13	25n 2	4n49	17s24	0s44	23s14	5s46	15n26	1n39	18n51	1 s 6	19s 3	1 s 0	16s47	0n18	20n 3	1s38	12n26	16n25	3s43	4s20	4s24	6n58	1n32				
S 2	14 32	27 30	5 5	17 57	0 50	22 57	5 37	15 17	1 40	18 49	1 6	19 2	1 0	16 48	0 18	20 2	1 38	12 26	16 25	3 46	4 21	4 20	6 57	1 32				
M 3	14 51	28 31	5 5	18 29	0 57	22 38	5 27	15 7	1 41	18 48	1 6	19 2	0 59	16 49	0 18	20 2	1 38	12 25	16 25	3 49	4 23	4 17	6 56	1 32				
T 4	15 10	27 55	4 49	19 0	1 3	22 19	5 17	14 58	1 42	18 46	1 6	19 1	0 59	16 50	0 18	20 2	1 38	12 25	16 26	3 52	4 24	4 14	6 55	1 32				
W 5	15 29	25 40	4 17	19 30	1 9	21 59	5 6	14 49	1 43	18 45	1 6	19 0	0 59	16 51	0 18	20 2	1 38	12 24	16 26	3 53	4 25	4 10	6 54	1 32				
T 6	15 47	21 55	3 30	19 59	1 15	21 37	4 55	14 39	1 44	18 43	1 6	19 0	0 59	16 52	0 18	20 1	1 38	12 24	16 26	3 54	4 26	4 7	6 53	1 31				
F 7	16 5	16 53	2 30	20 27	1 21	21 15	4 42	14 30	1 46	18 41	1 6	18 59	0 59	16 53	0 18	20 1	1 38	12 23	16 27	3 54	4 28	4 3	6 52	1 31				
S 8	16 23	10 52	1 20	20 54	1 27	20 52	4 29	14 21	1 47	18 40	1 6	18 58	0 59	16 54	0 18	20 1	1 38	12 23	16 27	3 53	4 29	4 0	6 51	1 31				
S 9	16 41	4 13	0 4	21 21	1 32	20 28	4 16	14 11	1 48	18 38	1 6	18 58	0 59	16 55	0 18	20 0	1 38	12 22	16 27	3 53	4 30	3 56	6 50	1 31				
M10	16 58	2s43	1s13	21 46	1 38	20 4	4 2	14 2	1 49	18 36	1 6	18 57	0 59	16 56	0 18	20 0	1 38	12 22	16 28	3 54	4 31	3 53	6 49	1 31				
T 11	17 15	9 33	2 26	22 10	1 43	19 39	3 48	13 53	1 50	18 35	1 6	18 56	0 59	16 57	0 18	20 0	1 38	12 22	16 28	3 55	4 33	3 50	6 48	1 31				
W12	17 32	15 53	3 29	22 33	1 48	19 15	3 33	13 44	1 51	18 33	1 6	18 55	0 59	16 58	0 18	20 0	1 38	12 21	16 29	3 57	4 34	3 46	6 47	1 31				
T 13	17 48	21 16	4 18	22 55	1 53	18 50	3 18	13 34	1 52	18 31	1 5	18 55	0 59	16 59	0 18	19 59	1 38	12 21	16 29	4 0	4 35	3 43	6 46	1 31				
F 14	18 4	25 19	4 50	23 15	1 57	18 25	3 3	13 25	1 53	18 29	1 5	18 54	0 59	17 0	0 18	19 59	1 38	12 21	16 29	4 4	4 36	3 39	6 45	1 30				
S 15	18 20	27 46	5 3	23 35	2 1	18 0	2 48	13 16	1 55	18 28	1 5	18 53	0 59	17 1	0 18	19 59	1 38	12 20	16 30	4 8	4 38	3 36	6 44	1 30				
S 16	18 35	28 28	4 59	23 53	2 5	17 36	2 32	13 7	1 56	18 26	1 5	18 52	0 59	17 2	0 18	19 59	1 38	12 20	16 30	4 12	4 39	3 32	6 43	1 30				
M17	18 51	27 30	4 39	24 10	2 9	17 12	2 17	12 58	1 57	18 24	1 5	18 51	0 59	17 3	0 18	19 58	1 38	12 20	16 31	4 16	4 40	3 29	6 42	1 30				
T 18	19 5	25 5	4 5	24 26	2 13	16 49	2 1	12 49	1 58	18 22	1 5	18 50	0 59	17 4	0 18	19 58	1 38	12 19	16 31	4 18	4 41	3 26	6 41	1 30				
W19	19 20	21 33	3 21	24 40	2 16	16 26	1 46	12 40	1 59	18 20	1 5	18 49	0 59	17 5	0 18	19 58	1 38	12 19	16 31	4 20	4 43	3 22	6 40	1 30				
T 20	19 34	17 10	2 28	24 54	2 19	16 5	1 30	12 31	2 1	18 19	1 5	18 48	0 59	17 6	0 18	19 57	1 38	12 19	16 32	4 21	4 44	3 19	6 39	1 30				
F 21	19 48	12 11	1 30	25 5	2 21	15 44	1 15	12 22	2 2	18 17	1 5	18 47	0 59	17 7	0 18	19 57	1 38	12 19	16 32	4 21	4 45	3 15	6 38	1 29				
S 22	20 1	6 50	0 28	25 16	2 23	15 23	1 0	12 13	2 3	18 15	1 5	18 46	0 59	17 8	0 18	19 57	1 38	12 18	16 33	4 21	4 46	3 12	6 38	1 29				
S 23	20 14	1 14	0n35	25 25	2 25	15 4	0 46	12 5	2 4	18 13	1 4	18 45	0 59	17 9	0 18	19 57	1 38	12 18	16 33	4 21	4 47	3 8	6 37	1 29				
M24	20 27	4n25	1 36	25 33	2 26	14 46	0 31	11 56	2 6	18 12	1 4	18 44	0 59	17 10	0 18	19 56	1 38	12 18	16 34	4 21	4 49	3 5	6 36	1 29				
T 25	20 39	9 59	2 34	25 39	2 27	14 29	0 17	11 47	2 7	18 10	1 4	18 43	0 59	17 11	0 18	19 56	1 38	12 18	16 34	4 23	4 50	3 2	6 35	1 29				
W26	20 51	15 16	3 26	25 44	2 27	14 14	0 3	11 39	2 8	18 8	1 4	18 42	0 59	17 12	0 18	19 56	1 38	12 18	16 35	4 25	4 51	2 58	6 35	1 29				
T 27	21 2	20 2	4 8	25 47	2 26	13 59	0n10	11 30	2 9	18 6	1 4	18 41	0 59	17 13	0 18	19 56	1 38	12 17	16 35	4 29	4 52	2 55	6 34	1 29				
F 28	21 13	24 1	4 40	25 49	2 25	13 46	0 23	11 22	2 11	18 5	1 4	18 40	0 59	17 14	0 18	19 55	1 38	12 17	16 36	4 34	4 54	2 51	6 33	1 28				
S 29	21 24	26 52	4 57	25 50	2 23	13 33	0 35	11 14	2 12	18 3	1 3	18 38	0 59	17 15	0 18	19 55	1 38	12 17	16 36	4 39	4 55	2 48	6 32	1 28				
S 30	21s34	28n17	4n59	25s49	2s21	13s22	0n47	11n 5	2n13	18n 1	1 s 3	18s37	0s59	17s16	0n18	19n55	1s38	12n17	16n37	4s44	4s56	2s44	6n32	1n28				

ASTRODIENST EPHEMERIS for the year 1727  
geocentric

DECEMBER 1727

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 37 10	8♂20'29	6♂35	29♂12	7♂49	7♂14	24°R51	10♂26	19♂18	7°R 2	7♂27	17°R50	17♂28	22♂15	13°R 4	M 1
T 2	4 41 7	9°21'22	20°14	0♂19	7°54	7°39	24♂43	10°30	19°22	7♂11	7°29	17♂41	17°25	22°22	13°Y 3	T 2
W 3	4 45 3	10°22'17	4♂1	1°21	8° 3	8° 3	24°36	10°35	19°26	6°59	7°30	17°34	17°22	22°29	13° 1	W 3
T 4	4 49 0	11°23'13	17°54	2°20	8°13	8°28	24°28	10°40	19°29	6°57	7°31	17°30	17°19	22°35	13° 0	T 4
F 5	4 52 57	12°24'10	1♂52	3°14	8°26	8°52	24°21	10°44	19°33	6°56	7°33	17°28	17°16	22°42	12°59	F 5
S 6	4 56 53	13°25'09	15°55	4° 3	8°41	9°16	24°14	10°49	19°36	6°54	7°34	17°28	17°13	22°49	12°58	S 6
S 7	5 0 50	14°26'08	0♂1	4°46	8°58	9°39	24° 6	10°54	19°40	6°52	7°35	17°28	17° 9	22°55	12°57	S 7
M 8	5 4 46	15°27'09	14°10	5°21	9°17	10° 2	23°59	10°59	19°43	6°51	7°36	17°26	17° 6	23° 2	12°56	M 8
T 9	5 8 43	16°28'11	28°20	5°49	9°38	10°25	23°52	11° 4	19°47	6°49	7°37	17°22	17° 3	23° 8	12°55	T 9
W10	5 12 39	17°29'14	12♂30	6° 8	10° 1	10°47	23°45	11° 9	19°50	6°47	7°39	17°15	17° 0	23°15	12°54	W10
T 11	5 16 36	18°30'18	26°34	6°R18	10°25	11° 9	23°39	11°15	19°53	6°46	7°40	17° 5	16°57	23°22	12°53	T 11
F 12	5 20 32	19°31'23	10♂28	6°17	10°52	11°31	23°32	11°20	19°57	6°44	7°41	16°52	16°53	23°28	12°53	F 12
S 13	5 24 29	20°32'29	24° 9	6° 5	11°20	11°53	23°25	11°25	20° 0	6°42	7°42	16°39	16°50	23°35	12°52	S 13
S 14	5 28 26	21°33'35	7♂32	5°42	11°50	12°14	23°19	11°31	20° 3	6°41	7°43	16°26	16°47	23°42	12°51	S 14
M15	5 32 22	22°34'42	20°35	5° 7	12°21	12°34	23°13	11°36	20° 7	6°39	7°44	16°14	16°44	23°48	12°51	M15
T 16	5 36 19	23°35'49	3♂17	4°20	12°54	12°55	23° 7	11°42	20°10	6°37	7°45	16° 5	16°41	23°55	12°50	T 16
W17	5 40 15	24°36'57	15°41	3°23	13°29	13°14	23° 1	11°47	20°13	6°36	7°45	15°59	16°38	24° 2	12°50	W17
T 18	5 44 12	25°38'04	27°48	2°16	14° 4	13°34	22°55	11°53	20°17	6°34	7°46	15°56	16°34	24° 8	12°49	T 18
F 19	5 48 8	26°39'12	9♂44	1° 2	14°41	13°53	22°50	11°59	20°20	6°33	7°47	15°55	16°31	24°15	12°49	F 19
S 20	5 52 5	27°40'21	21°33	29♂43	15°20	14°12	22°44	12° 5	20°23	6°31	7°48	15°54	16°28	24°22	12°49	S 20
S 21	5 56 2	28°41'29	3°Y20	28°20	15°59	14°30	22°39	12°10	20°26	6°29	7°49	15°54	16°25	24°28	12°49	S 21
M22	5 59 58	29°42'37	15°12	26°58	16°40	14°48	22°34	12°16	20°29	6°28	7°49	15°53	16°22	24°35	12°48	M22
T 23	6 3 55	0♂34'46	27°14	25°39	17°22	15° 5	22°29	12°22	20°32	6°26	7°50	15°50	16°19	24°42	12°48	T 23
W24	6 7 51	1°44'54	9♂30	24°25	18° 5	15°22	22°24	12°28	20°35	6°25	7°51	15°45	16°15	24°48	12°D48	W24
T 25	6 11 48	2°46'03	22° 5	23°18	18°49	15°39	22°19	12°34	20°38	6°23	7°51	15°36	16°12	24°55	12°48	T 25
F 26	6 15 44	3°47'12	5♂10	22°20	19°35	15°55	22°15	12°40	20°41	6°22	7°52	15°26	16° 9	25° 1	12°48	F 26
S 27	6 19 41	4°48'20	18°17	21°31	20°21	16°10	22°11	12°47	20°44	6°20	7°52	15°14	16° 6	25° 8	12°48	S 27
S 28	6 23 37	5°49'29	1♂53	20°53	21° 8	16°26	22° 7	12°53	20°47	6°19	7°53	15° 2	16° 3	25°15	12°49	S 28
M29	6 27 34	6°50'38	15°47	20°26	21°56	16°40	22° 3	12°59	20°50	6°18	7°53	14°50	15°59	25°21	12°49	M29
T 30	6 31 31	7°51'47	29°54	20° 9	22°45	16°54	21°59	13° 5	20°53	6°16	7°54	14°41	15°56	25°28	12°49	T 30
W31	6 35 27	8♂52'56	14♂8	20°D 1	23♂35	17♂8	21♂56	13♂12	20♂56	6♂15	7♂54	14♂35	15♂53	25♂35	12°Y50	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	21s44	28n 3	4n45	25s46	2s18	13s12	0n59	10n57	2n15	17n59	1s 3	18s36	0s59	17s17	0n18	19n54
T 2	21 53	26 8	4 14	25 42	2 14	13 4	1 10	10 49	2 16	17 58	1 3	18 35	0 59	17 18	0 18	19 54
W 3	22 2	22 39	3 28	25 37	2 9	12 56	1 21	10 41	2 17	17 56	1 3	18 33	0 59	17 19	0 18	19 54
T 4	22 11	17 52	2 29	25 30	2 3	12 50	1 31	10 33	2 19	17 54	1 3	18 32	0 59	17 20	0 18	19 54
F 5	22 19	12 6	1 22	25 22	1 56	12 44	1 41	10 25	2 20	17 53	1 2	18 31	0 59	17 21	0 18	19 53
S 6	22 27	5 42	0 8	25 13	1 48	12 40	1 51	10 18	2 21	17 51	1 2	18 29	0 59	17 22	0 18	19 53
S 7	22 34	1s 1	1s 6	25 2	1 39	12 37	2 0	10 10	2 23	17 50	1 2	18 28	0 59	17 23	0 18	19 53
M 8	22 41	7 41	2 16	24 50	1 28	12 35	2 8	10 3	2 24	17 48	1 2	18 27	0 59	17 24	0 18	19 53
T 9	22 47	13 59	3 18	24 37	1 17	12 34	2 16	9 55	2 26	17 47	1 2	18 25	0 59	17 25	0 18	19 52
W10	22 53	19 32	4 7	24 23	1 3	12 34	2 24	9 48	2 27	17 45	1 1	18 24	0 59	17 26	0 18	19 52
T 11	22 59	23 58	4 41	24 9	0 49	12 34	2 32	9 41	2 29	17 44	1 1	18 22	0 59	17 27	0 18	19 52
F 12	23 4	26 58	4 58	23 53	0 33	12 36	2 39	9 34	2 30	17 42	1 1	18 21	0 59	17 28	0 18	19 52
S 13	23 8	28 18	4 57	23 37	0 16	12 38	2 45	9 27	2 32	17 41	1 1	18 19	0 59	17 29	0 18	19 51
S 14	23 12	27 56	4 40	23 19	0n 2	12 41	2 52	9 20	2 33	17 39	1 0	18 18	0 59	17 30	0 18	19 51
M15	23 16	26 0	4 9	23 2	0 21	12 45	2 57	9 14	2 35	17 38	1 0	18 16	0 59	17 30	0 18	19 51
T 16	23 19	22 47	3 25	22 44	0 41	12 50	3 3	9 7	2 36	17 37	1 0	18 15	0 59	17 31	0 18	19 51
W17	23 22	18 36	2 33	22 25	1 1	12 55	3 8	9 1	2 38	17 35	1 0	18 13	0 59	17 32	0 18	19 50
T 18	23 24	13 44	1 34	22 7	1 21	13 1	3 13	8 55	2 39	17 34	1 0	18 12	0 59	17 33	0 18	19 50
F 19	23 26	8 26	0 33	21 49	1 40	13 7	3 18	8 49	2 41	17 33	0 59	18 10	0 59	17 34	0 18	19 50
S 20	23 27	2 54	0n30	21 30	1 58	13 14	3 22	8 43	2 42	17 32	0 59	18 8	0 59	17 35	0 18	19 50
S 21	23 28	2n43	1 31	21 13	2 15	13 22	3 26	8 38	2 44	17 31	0 59	18 7	0 59	17 36	0 18	19 49
M22	23 29	8 17	2 29	20 57	2 30	13 30	3 29	8 32	2 45	17 30	0 59	18 5	0 59	17 36	0 18	19 49
T 23	23 28	13 37	3 21	20 42	2 42	13 38	3 33	8 27	2 47	17 29	0 58	18 3	0 59	17 37	0 18	19 49
W24	23 28	18 32	4 4	20 29	2 52	13 47	3 36	8 22	2 49	17 28	0 58	18 2	0 59	17 38	0 18	19 49
T 25	23 27	22 46	4 37	20 19	3 0	13 57	3 38	8 17	2 50	17 27	0 58	18 0	0 59	17 39	0 18	19 48
F 26	23 25	26 2	4 57	20 10	3 5	14 7	3 41	8 12	2 52	17 26	0 58	17 58	0 59	17 40	0 18	19 48
S 27	23 23	27 58	5 1	20 4	3 8	14 17	3 43	8 8	2 54	17 25	0 57	17 57	0 59	17 40	0 18	19 48
S 28	23 21	28 17	4 49	20 1	3 9	14 27	3 45	8 3	2 55	17 24	0 57	17 55	0 59	17 41	0 18	19 48
M29	23 18	26 50	4 20	20 0	3 8	14 38	3 47	7 59	2 57	17 24	0 57	17 53	0 59	17 42	0 18	19 48
T 30	23 15	23 41	3 34	20 1	3 6	14 48	3 48	7 55	2 59	17 23	0 56	17 51	0 59	17 43	0 18	19 47
W31	23s11	19n 5	2n34	20s 5	3n 2	15s 0	3n49	7n51	3n 0	17n22	0s56	17s49	0s59	17s43	0n18	19n47

Julian Day Number = 2352167.5, Delta T = 10.92 sec  
Ecliptic obliquity = 23°28'37", Nutation = 0°00'03", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°56'31", Lahiri = 20°03'31Greg. Calendar