



# Astrodienst Ephemeris Tables for the year 1723

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 1723  
geocentric

JANUARY 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 40 12	10 <sup>3</sup> 6'55	23 <sup>23</sup> 36	24 <sup>27</sup> 11	11 <sup>28</sup> 41	17 <sup>27</sup> 40	22 <sup>27</sup> 17	22 <sup>27</sup> 48	28 <sup>24</sup> 47	24 <sup>24</sup> R45	25 <sup>25</sup> R57	23 <sup>22</sup> 24	22 <sup>22</sup> 31	2 <sup>27</sup> 13	24 <sup>24</sup> 17	F 1
S 2	6 44 9	11° 8'06	6 <sup>23</sup> 9	25°40	11°47	18°24	22°31	22°54	28°48	24 <sup>24</sup> 44	25 <sup>25</sup> 57	23°25	22°28	2°20	24°19	S 2
S 3	6 48 5	12° 9'17	19° 2	27° 9	11°50	19° 7	22°44	23° 1	28°50	24°43	25°57	23°26	22°25	2°27	24°20	S 3
M 4	6 52 2	13°10'28	2 <sup>27</sup> 20	28°39	11°R50	19°51	22°57	23° 8	28°52	24°42	25°56	23°28	22°22	2°33	24°22	M 4
T 5	6 55 59	14°11'39	16° 4	0 <sup>28</sup> 9	11°48	20°35	23°11	23°15	28°53	24°41	25°56	23°29	22°19	2°40	24°24	T 5
W 6	6 59 55	15°12'50	0 <sup>28</sup> 12	1°40	11°44	21°19	23°24	23°22	28°55	24°40	25°56	23°R29	22°15	2°47	24°25	W 6
T 7	7 3 52	16°14'01	14°41	3°11	11°37	22° 3	23°37	23°28	28°56	24°39	25°56	23°28	22°12	2°54	24°27	T 7
F 8	7 7 48	17°15'12	29°27	4°42	11°28	22°47	23°50	23°35	28°58	24°38	25°55	23°25	22° 9	3° 0	24°29	F 8
S 9	7 11 45	18°16'22	14 <sup>29</sup> 20	6°15	11°16	23°31	24° 3	23°42	28°59	24°37	25°55	23°22	22° 6	3° 7	24°31	S 9
S 10	7 15 41	19°17'31	29°14	7°47	11° 1	24°15	24°16	23°48	29° 1	24°36	25°55	23°18	22° 3	3°14	24°33	S 10
M 11	7 19 38	20°18'40	13 <sup>31</sup> 59	9°20	10°45	24°59	24°29	23°55	29° 2	24°35	25°54	23°15	21°59	3°20	24°35	M 11
T 12	7 23 34	21°19'48	28°30	10°54	10°25	25°43	24°42	24° 1	29° 3	24°35	25°54	23°12	21°56	3°27	24°37	T 12
W 13	7 27 31	22°20'56	12 <sup>32</sup> 42	12°28	10° 4	26°28	24°55	24° 8	29° 4	24°34	25°53	23°10	21°53	3°34	24°39	W 13
T 14	7 31 28	23°22'02	26°34	14° 3	9°40	27°12	25° 8	24°14	29° 5	24°33	25°53	23°D10	21°50	3°41	24°41	T 14
F 15	7 35 24	24°23'08	10 <sup>34</sup> 6	15°38	9°14	27°56	25°21	24°21	29° 7	24°33	25°52	23°11	21°47	3°47	24°43	F 15
S 16	7 39 21	25°24'12	23°19	17°13	8°46	28°40	25°34	24°27	29° 8	24°32	25°52	23°12	21°44	3°54	24°45	S 16
S 17	7 43 17	26°25'16	6 <sup>32</sup> 15	18°49	8°16	29°25	25°46	24°34	29° 9	24°31	25°51	23°14	21°40	4° 1	24°48	S 17
M 18	7 47 14	27°26'19	18°58	20°26	7°44	0 <sup>28</sup> 9	25°59	24°40	29° 9	24°31	25°50	23°R15	21°37	4° 7	24°50	M 18
T 19	7 51 10	28°27'22	1 <sup>29</sup> 28	22° 3	7°11	0°54	26°12	24°46	29°10	24°30	25°50	23°15	21°34	4°14	24°52	T 19
W 20	7 55 7	29°28'23	13°49	23°41	6°37	1°38	26°24	24°53	29°11	24°30	25°49	23°13	21°31	4°21	24°55	W 20
T 21	7 59 3	0 <sup>28</sup> 29'23	26° 0	25°20	6° 1	2°22	26°37	24°59	29°12	24°29	25°48	23° 9	21°28	4°28	24°57	T 21
F 22	8 3 0	1°30'23	8 <sup>30</sup> 5	26°59	5°25	3° 7	26°49	25° 5	29°13	24°29	25°47	23° 3	21°25	4°34	25° 0	F 22
S 23	8 6 57	2°31'22	20° 4	28°39	4°48	3°52	27° 2	25°11	29°13	24°28	25°47	22°56	21°21	4°41	25° 2	S 23
S 24	8 10 53	3°32'19	1 <sup>29</sup> 59	0 <sup>28</sup> 19	4°11	4°36	27°14	25°17	29°14	24°28	25°46	22°48	21°18	4°48	25° 5	S 24
M 25	8 14 50	4°33'16	13°51	2° 0	3°34	5°21	27°26	25°23	29°14	24°27	25°45	22°39	21°15	4°55	25° 7	M 25
T 26	8 18 46	5°34'13	25°42	3°42	2°57	6° 6	27°39	25°29	29°15	24°27	25°44	22°32	21°12	5° 1	25°10	T 26
W 27	8 22 43	6°35'08	7 <sup>30</sup> 37	5°24	2°21	6°50	27°51	25°35	29°15	24°27	25°43	22°26	21° 9	5° 8	25°13	W 27
T 28	8 26 39	7°36'02	19°38	7° 8	1°45	7°35	28° 3	25°41	29°15	24°27	25°42	22°22	21° 5	5°15	25°15	T 28
F 29	8 30 36	8°36'56	1 <sup>29</sup> 49	8°51	1°10	8°20	28°15	25°47	29°16	24°26	25°41	22°20	21° 2	5°21	25°18	F 29
S 30	8 34 32	9°37'49	14°16	10°36	0°36	9° 5	28°27	25°52	29°16	24°26	25°40	22°D20	20°59	5°28	25°21	S 30
S 31	8 38 29	10 <sup>38</sup> 38'42	27 <sup>30</sup> 3	12 <sup>22</sup> 21	0 <sup>28</sup> 4	9 <sup>25</sup> 50	28 <sup>28</sup> 39	25 <sup>25</sup> 58	29 <sup>29</sup> 16	24 <sup>24</sup> 26	25 <sup>25</sup> 39	22 <sup>22</sup> 21	20 <sup>20</sup> 56	5 <sup>5</sup> 35	25 <sup>25</sup> 24	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	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
F 1	23s 5	4s56	4n33	23s28	0s 7	15s52	1n30	23s13	0s19	22s54	0n21	22s 8	1n 9	10s32	0n33	17n17	1s45	16n18	16n 3	23n19	23n16	15n12	0n55	3n28
S 2	23 0	9 56	3 52	23 39	0 14	15 38	1 43	23 18	0 20	22 54	0 21	22 8	1 9	10 33	0 33	17 17	1 45	16 19	16 4	23 19	23 16	15 10	0 55	3 28
S 3	22 55	14 38	2 59	23 48	0 21	15 23	1 57	23 22	0 21	22 55	0 21	22 9	1 9	10 34	0 33	17 16	1 45	16 19	16 4	23 19	23 15	15 8	0 56	3 28
M 4	22 49	18 48	1 54	23 57	0 28	15 10	2 12	23 26	0 21	22 56	0 21	22 9	1 9	10 34	0 33	17 16	1 45	16 20	16 5	23 19	23 15	15 5	0 56	3 27
T 5	22 43	22 4	0 41	24 4	0 35	14 56	2 26	23 30	0 22	22 57	0 21	22 9	1 9	10 35	0 33	17 16	1 45	16 20	16 5	23 19	23 15	15 3	0 56	3 27
W 6	22 36	24 5	0s37	24 10	0 42	14 43	2 41	23 34	0 23	22 58	0 21	22 10	1 9	10 35	0 33	17 16	1 45	16 21	16 6	23 19	23 15	15 1	0 57	3 27
T 7	22 29	24 33	1 54	24 14	0 48	14 31	2 56	23 37	0 23	22 58	0 21	22 10	1 9	10 36	0 33	17 16	1 45	16 22	16 6	23 19	23 15	14 59	0 57	3 27
F 8	22 22	23 19	3 5	24 18	0 54	14 19	3 11	23 41	0 24	22 59	0 21	22 10	1 9	10 36	0 33	17 16	1 45	16 22	16 7	23 19	23 15	14 57	0 58	3 26
S 9	22 14	20 26	4 4	24 20	1 0	14 7	3 26	23 43	0 25	23 0	0 21	22 11	1 9	10 37	0 33	17 15	1 45	16 23	16 7	23 19	23 14	14 55	0 58	3 26
S 10	22 5	16 13	4 46	24 21	1 6	13 57	3 41	23 46	0 25	23 0	0 21	22 11	1 9	10 37	0 33	17 15	1 45	16 23	16 8	23 18	23 14	14 52	0 59	3 26
M11	21 56	11 4	5 9	24 20	1 12	13 46	3 56	23 49	0 26	23 1	0 21	22 11	1 9	10 38	0 33	17 15	1 45	16 24	16 9	23 18	23 14	14 50	0 59	3 26
T 12	21 47	5 22	5 12	24 19	1 17	13 37	4 12	23 51	0 26	23 2	0 21	22 12	1 9	10 38	0 33	17 15	1 45	16 25	16 9	23 18	23 14	14 48	1 0	3 25
W13	21 37	0n29	4 55	24 15	1 22	13 28	4 27	23 53	0 27	23 2	0 21	22 12	1 9	10 38	0 33	17 15	1 45	16 25	16 10	23 18	23 14	14 46	1 1	3 25
T 14	21 27	6 11	4 22	24 11	1 27	13 19	4 42	23 55	0 28	23 3	0 21	22 12	1 9	10 39	0 34	17 15	1 45	16 26	16 10	23 18	23 13	14 44	1 1	3 25
F 15	21 16	11 28	3 34	24 5	1 32	13 12	4 57	23 56	0 28	23 3	0 20	22 13	1 9	10 39	0 34	17 15	1 45	16 27	16 11	23 18	23 13	14 41	1 2	3 25
S 16	21 5	16 6	2 36	23 57	1 36	13 5	5 12	23 57	0 29	23 4	0 20	22 13	1 9	10 39	0 34	17 15	1 45	16 27	16 11	23 18	23 13	14 39	1 3	3 25
S 17	20 54	19 53	1 32	23 48	1 40	12 58	5 26	23 58	0 30	23 4	0 20	22 13	1 9	10 40	0 34	17 14	1 44	16 28	16 12	23 18	23 13	14 37	1 3	3 24
M18	20 42	22 38	0 23	23 38	1 44	12 53	5 40	23 59	0 30	23 5	0 20	22 13	1 9	10 40	0 34	17 14	1 44	16 29	16 12	23 18	23 13	14 35	1 4	3 24
T 19	20 30	24 13	0n45	23 26	1 48	12 48	5 53	23 59	0 31	23 5	0 20	22 14	1 9	10 40	0 34	17 14	1 44	16 30	16 13	23 18	23 12	14 32	1 5	3 24
W20	20 18	24 35	1 50	23 13	1 51	12 44	6 6	24 0	0 32	23 5	0 20	22 14	1 9	10 41	0 34	17 14	1 44	16 30	16 13	23 18	23 12	14 30	1 5	3 24
T 21	20 5	23 44	2 49	22 58	1 54	12 40	6 19	24 0	0 32	23 6	0 20	22 14	1 9	10 41	0 34	17 14	1 44	16 31	16 14	23 18	23 12	14 28	1 6	3 23
F 22	19 51	21 48	3 39	22 42	1 57	12 37	6 31	23 59	0 33	23 6	0 20	22 14	1 9	10 41	0 34	17 14	1 44	16 32	16 14	23 18	23 12	14 26	1 7	3 23
S 23	19 38	18 55	4 20	22 24	1 59	12 35	6 42	23 59	0 34	23 7	0 20	22 15	1 9	10 41	0 34	17 14	1 44	16 33	16 15	23 17	23 12	14 23	1 8	3 23
S 24	19 24	15 16	4 49	22 5	2 1	12 34	6 52	23 58	0 34	23 7	0 20	22 15	1 9	10 41	0 34	17 14	1 44	16 33	16 15	23 17	23 11	14 21	1 9	3 23
M25	19 9	11 3	5 5	21 44	2 2	12 33	7 1	23 57	0 35	23 7	0 20	22 15	1 9	10 42	0 34	17 14	1 44	16 34	16 16	23 16	23 11	14 19	1 9	3 23
T 26	18 54	6 25	5 8	21 21	2 3	12 33	7 10	23 56	0 36	23 8	0 20	22 15	1 9	10 42	0 34	17 14	1 44	16 35	16 16	23 16	23 11	14 17	1 10	3 22
W27	18 39	1 32	4 58	20 57	2 4	12 33	7 18	23 54	0 36	23 8	0 20	22 16	1 9	10 42	0 34	17 14	1 44	16 36	16 16	23 16	23 11	14 14	1 11	3 22
T 28	18 24	3s27	4 35	20 32	2 5	12 34	7 25	23 53	0 37	23 8	0 20	22 16	1 9	10 42	0 34	17 14	1 44	16 36	16 17	23 15	23 11	14 12	1 12	3 22
F 29	18 8	8 23	3 59	20 4	2 4	12 35	7 31	23 51	0 38	23 8	0 20	22 16	1 9	10 42	0 34	17 14	1 44	16 37	16 17	23 15	23 10	14 10	1 13	3 22
S 30	17 52	13 6	3 11	19 36	2 4	12 37	7 36	23 48	0 38	23 8	0 20	22 16	1 9	10 42	0 34	17 14	1 44	16 38	16 18	23 15	23 10	14 8	1 14	3 22
S 31	17s36	17s23	2n12	19s 5	2s 3	12s40	7n40	23s46	0s39	23s 9	0n19	22s16	1n 9	10s42	0n34	17n14	1s44	16n39	16n18	23n15	23n10	14n 5	1n15	3n21

# ASTRODIENST EPHEMERIS for the year 1723

## geocentric

FEBRUARY 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 42 26	11 <sup>39</sup> 33	10 <sup>14</sup> 14	14 <sup>33</sup> 7	29 <sup>34</sup> R34	10 <sup>34</sup> 34	28 <sup>50</sup> 50	26 <sup>7</sup> 4	29 <sup>16</sup> 16	24 <sup>26</sup> R26	25 <sup>38</sup> R38	22 <sup>22</sup> 22	20 <sup>53</sup> 53	5 <sup>42</sup> 42	25 <sup>27</sup> 27	M 1
T 2	8 46 22	12 <sup>40</sup> 23	23 <sup>52</sup> 52	15 <sup>53</sup> 53	29 <sup>3</sup> 5	11 <sup>19</sup> 19	29 <sup>2</sup> 2	26 <sup>9</sup> 9	29 <sup>16</sup> 16	24 <sup>26</sup> 26	25 <sup>37</sup> 37	22 <sup>20</sup> R23	20 <sup>50</sup> 50	5 <sup>48</sup> 48	25 <sup>29</sup> 29	T 2
W 3	8 50 19	13 <sup>41</sup> 13	8 <sup>3</sup> 0	17 <sup>40</sup> 40	28 <sup>38</sup> 38	12 <sup>4</sup> 4	29 <sup>14</sup> 14	26 <sup>15</sup> 15	29 <sup>16</sup> 16	24 <sup>26</sup> 26	25 <sup>36</sup> 36	22 <sup>22</sup> 22	20 <sup>46</sup> 46	5 <sup>55</sup> 55	25 <sup>32</sup> 32	W 3
T 4	8 54 15	14 <sup>42</sup> 02	22 <sup>35</sup> 35	19 <sup>28</sup> 28	28 <sup>13</sup> 13	12 <sup>49</sup> 49	29 <sup>25</sup> 25	26 <sup>21</sup> 21	29 <sup>16</sup> 16	24 <sup>26</sup> D26	25 <sup>35</sup> 35	22 <sup>18</sup> 18	20 <sup>43</sup> 43	6 <sup>2</sup> 2	25 <sup>35</sup> 35	T 4
F 5	8 58 12	15 <sup>42</sup> 49	7 <sup>32</sup> 32	21 <sup>16</sup> 16	27 <sup>51</sup> 51	13 <sup>34</sup> 34	29 <sup>37</sup> 37	26 <sup>26</sup> 26	29 <sup>16</sup> 16	24 <sup>26</sup> 26	25 <sup>34</sup> 34	22 <sup>13</sup> 13	20 <sup>40</sup> 40	6 <sup>8</sup> 8	25 <sup>38</sup> 38	F 5
S 6	9 2 8	16 <sup>43</sup> 35	22 <sup>44</sup> 44	23 <sup>5</sup> 5	27 <sup>30</sup> 30	14 <sup>19</sup> 19	29 <sup>48</sup> 48	26 <sup>31</sup> 31	29 <sup>16</sup> 16	24 <sup>26</sup> 26	25 <sup>33</sup> 33	22 <sup>5</sup> 5	20 <sup>37</sup> 37	6 <sup>15</sup> 15	25 <sup>41</sup> 41	S 6
S 7	9 6 5	17 <sup>44</sup> 20	8 <sup>3</sup> 0	24 <sup>54</sup> 54	27 <sup>12</sup> 12	15 <sup>5</sup> 5	29 <sup>59</sup> 59	26 <sup>37</sup> 37	29 <sup>16</sup> 16	24 <sup>26</sup> 26	25 <sup>31</sup> 31	21 <sup>56</sup> 56	20 <sup>34</sup> 34	6 <sup>22</sup> 22	25 <sup>44</sup> 44	S 7
M 8	9 10 1	18 <sup>45</sup> 03	23 <sup>9</sup> 9	26 <sup>43</sup> 43	26 <sup>57</sup> 57	15 <sup>50</sup> 50	0 <sup>3</sup> 11	26 <sup>42</sup> 42	29 <sup>16</sup> 16	24 <sup>26</sup> 26	25 <sup>30</sup> 30	21 <sup>47</sup> 47	20 <sup>31</sup> 31	6 <sup>29</sup> 29	25 <sup>47</sup> 47	M 8
T 9	9 13 58	19 <sup>45</sup> 44	8 <sup>3</sup> 1	28 <sup>33</sup> 33	26 <sup>43</sup> 43	16 <sup>35</sup> 35	0 <sup>22</sup> 22	26 <sup>47</sup> 47	29 <sup>15</sup> 15	24 <sup>26</sup> 26	25 <sup>29</sup> 29	21 <sup>39</sup> 39	20 <sup>27</sup> 27	6 <sup>35</sup> 35	25 <sup>51</sup> 51	T 9
W10	9 17 55	20 <sup>46</sup> 24	22 <sup>29</sup> 29	0 <sup>3</sup> 22	26 <sup>33</sup> 33	17 <sup>20</sup> 20	0 <sup>33</sup> 33	26 <sup>52</sup> 52	29 <sup>15</sup> 15	24 <sup>26</sup> 26	25 <sup>28</sup> 28	21 <sup>34</sup> 34	20 <sup>24</sup> 24	6 <sup>42</sup> 42	25 <sup>54</sup> 54	W10
T 11	9 21 51	21 <sup>47</sup> 02	6 <sup>3</sup> 31	2 <sup>11</sup> 11	26 <sup>24</sup> 24	18 <sup>5</sup> 5	0 <sup>44</sup> 44	26 <sup>57</sup> 57	29 <sup>15</sup> 15	24 <sup>27</sup> 27	25 <sup>27</sup> 27	21 <sup>31</sup> 31	20 <sup>21</sup> 21	6 <sup>49</sup> 49	25 <sup>57</sup> 57	T 11
F 12	9 25 48	22 <sup>47</sup> 38	20 <sup>5</sup> 5	4 <sup>0</sup> 0	26 <sup>19</sup> 19	18 <sup>50</sup> 50	0 <sup>55</sup> 55	27 <sup>2</sup> 2	29 <sup>14</sup> 14	24 <sup>27</sup> 27	25 <sup>25</sup> 25	21 <sup>29</sup> D29	20 <sup>18</sup> 18	6 <sup>55</sup> 55	26 <sup>0</sup> 0	F 12
S 13	9 29 44	23 <sup>48</sup> 13	3 <sup>11</sup> 15	5 <sup>48</sup> 48	26 <sup>15</sup> 15	19 <sup>36</sup> 36	1 <sup>6</sup> 6	27 <sup>7</sup> 7	29 <sup>14</sup> 14	24 <sup>27</sup> 27	25 <sup>24</sup> 24	21 <sup>30</sup> 30	20 <sup>15</sup> 15	7 <sup>2</sup> 2	26 <sup>3</sup> 3	S 13
S 14	9 33 41	24 <sup>48</sup> 46	16 <sup>3</sup> 3	7 <sup>35</sup> 35	26 <sup>14</sup> D14	20 <sup>21</sup> 21	1 <sup>16</sup> 16	27 <sup>12</sup> 12	29 <sup>13</sup> 13	24 <sup>27</sup> 27	25 <sup>23</sup> 23	21 <sup>30</sup> R30	20 <sup>11</sup> 11	7 <sup>9</sup> 9	26 <sup>7</sup> 7	S 14
M15	9 37 37	25 <sup>49</sup> 17	28 <sup>33</sup> 33	9 <sup>21</sup> 21	26 <sup>16</sup> 16	21 <sup>6</sup> 6	1 <sup>27</sup> 27	27 <sup>17</sup> 17	29 <sup>12</sup> 12	24 <sup>28</sup> 28	25 <sup>21</sup> 21	21 <sup>30</sup> 30	20 <sup>8</sup> 8	7 <sup>16</sup> 16	26 <sup>10</sup> 10	M15
T 16	9 41 34	26 <sup>49</sup> 46	10 <sup>5</sup> 51	11 <sup>5</sup> 5	26 <sup>20</sup> 20	21 <sup>52</sup> 52	1 <sup>37</sup> 37	27 <sup>21</sup> 21	29 <sup>12</sup> 12	24 <sup>28</sup> 28	25 <sup>20</sup> 20	21 <sup>28</sup> 28	20 <sup>5</sup> 5	7 <sup>22</sup> 22	26 <sup>13</sup> 13	T 16
W17	9 45 30	27 <sup>50</sup> 14	22 <sup>58</sup> 58	12 <sup>47</sup> 47	26 <sup>26</sup> 26	22 <sup>37</sup> 37	1 <sup>48</sup> 48	27 <sup>26</sup> 26	29 <sup>11</sup> 11	24 <sup>29</sup> 29	25 <sup>18</sup> 18	21 <sup>24</sup> 24	20 <sup>2</sup> 2	7 <sup>29</sup> 29	26 <sup>17</sup> 17	W17
T 18	9 49 27	28 <sup>50</sup> 39	4 <sup>2</sup> 29	14 <sup>26</sup> 26	26 <sup>34</sup> 34	23 <sup>23</sup> 23	1 <sup>58</sup> 58	27 <sup>30</sup> 30	29 <sup>10</sup> 10	24 <sup>29</sup> 29	25 <sup>17</sup> 17	21 <sup>17</sup> 17	19 <sup>59</sup> 59	7 <sup>36</sup> 36	26 <sup>20</sup> 20	T 18
F 19	9 53 24	29 <sup>51</sup> 03	16 <sup>56</sup> 56	16 <sup>2</sup> 2	26 <sup>45</sup> 45	24 <sup>8</sup> 8	2 <sup>8</sup> 8	27 <sup>35</sup> 35	29 <sup>9</sup> 9	24 <sup>30</sup> 30	25 <sup>16</sup> 16	21 <sup>6</sup> 6	19 <sup>56</sup> 56	7 <sup>43</sup> 43	26 <sup>23</sup> 23	F 19
S 20	9 57 20	0 <sup>3</sup> 51'25	28 <sup>49</sup> 49	17 <sup>34</sup> 34	26 <sup>58</sup> 58	24 <sup>53</sup> 53	2 <sup>18</sup> 18	27 <sup>39</sup> 39	29 <sup>8</sup> 8	24 <sup>30</sup> 30	25 <sup>14</sup> 14	20 <sup>54</sup> 54	19 <sup>52</sup> 52	7 <sup>49</sup> 49	26 <sup>27</sup> 27	S 20
S 21	10 1 17	1 <sup>51</sup> 46	10 <sup>42</sup> 42	19 <sup>2</sup> 2	27 <sup>13</sup> 13	25 <sup>39</sup> 39	2 <sup>28</sup> 28	27 <sup>44</sup> 44	29 <sup>7</sup> 7	24 <sup>31</sup> 31	25 <sup>13</sup> 13	20 <sup>41</sup> 41	19 <sup>49</sup> 49	7 <sup>56</sup> 56	26 <sup>30</sup> 30	S 21
M22	10 5 13	2 <sup>52</sup> 04	22 <sup>35</sup> 35	20 <sup>25</sup> 25	27 <sup>30</sup> 30	26 <sup>24</sup> 24	2 <sup>38</sup> 38	27 <sup>48</sup> 48	29 <sup>6</sup> 6	24 <sup>31</sup> 31	25 <sup>11</sup> 11	20 <sup>27</sup> 27	19 <sup>46</sup> 46	8 <sup>3</sup> 3	26 <sup>34</sup> 34	M22
T 23	10 9 10	3 <sup>52</sup> 21	4 <sup>2</sup> 29	21 <sup>43</sup> 43	27 <sup>49</sup> 49	27 <sup>10</sup> 10	2 <sup>48</sup> 48	27 <sup>52</sup> 52	29 <sup>5</sup> 5	24 <sup>32</sup> 32	25 <sup>10</sup> 10	20 <sup>14</sup> 14	19 <sup>43</sup> 43	8 <sup>9</sup> 9	26 <sup>37</sup> 37	T 23
W24	10 13 6	4 <sup>52</sup> 37	16 <sup>27</sup> 27	22 <sup>54</sup> 54	28 <sup>10</sup> 10	27 <sup>56</sup> 56	2 <sup>58</sup> 58	27 <sup>56</sup> 56	29 <sup>4</sup> 4	24 <sup>33</sup> 33	25 <sup>8</sup> 8	20 <sup>3</sup> 3	19 <sup>40</sup> 40	8 <sup>16</sup> 16	26 <sup>40</sup> 40	W24
T 25	10 17 3	5 <sup>52</sup> 50	28 <sup>30</sup> 30	23 <sup>58</sup> 58	28 <sup>32</sup> 32	28 <sup>41</sup> 41	3 <sup>7</sup> 7	28 <sup>0</sup> 0	29 <sup>3</sup> 3	24 <sup>33</sup> 33	25 <sup>7</sup> 7	19 <sup>55</sup> 55	19 <sup>37</sup> 37	8 <sup>23</sup> 23	26 <sup>44</sup> 44	T 25
F 26	10 20 59	6 <sup>53</sup> 03	10 <sup>43</sup> 43	24 <sup>55</sup> 55	28 <sup>57</sup> 57	29 <sup>27</sup> 27	3 <sup>17</sup> 17	28 <sup>4</sup> 4	29 <sup>2</sup> 2	24 <sup>34</sup> 34	25 <sup>5</sup> 5	19 <sup>49</sup> 49	19 <sup>33</sup> 33	8 <sup>30</sup> 30	26 <sup>47</sup> 47	F 26
S 27	10 24 56	7 <sup>53</sup> 13	23 <sup>8</sup> 8	25 <sup>45</sup> 45	29 <sup>23</sup> 23	0 <sup>3</sup> 12	3 <sup>26</sup> 26	28 <sup>8</sup> 8	29 <sup>1</sup> 1	24 <sup>35</sup> 35	25 <sup>4</sup> 4	19 <sup>47</sup> 47	19 <sup>30</sup> 30	8 <sup>36</sup> 36	26 <sup>51</sup> 51	S 27
S 28	10 28 53	8 <sup>53</sup> 23	5 <sup>5</sup> 50	26 <sup>3</sup> 25	29 <sup>3</sup> 51	0 <sup>3</sup> 58	3 <sup>3</sup> 35	28 <sup>1</sup> 12	28 <sup>5</sup> 59	24 <sup>3</sup> 36	25 <sup>2</sup> 2	19 <sup>2</sup> D46	19 <sup>2</sup> 27	8 <sup>4</sup> 43	26 <sup>5</sup> 55	S 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
M 1	17s19	20s57	1n 5	18s33	2s 2	12s43	7n44	23s43	0s40	23s 9	0n19	22s16	1n 9	10s42	0n34	17n14	1s44	16n40	16n19	23n15	23n10	14n 3	1n16	3n21	
T 2	17 2 23 28	0s 8	18 0	2 0 12 46	7 46	23 40	0 40	23 9	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 40	16 19	23 15	23 9	14 1	1 17	3 21			
W 3	16 45	24 37	1 23	17 25	1 57	12 50	7 48	23 37	0 41	23 9	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 41	16 20	23 15	23 9	13 58	1 18	3 21	
T 4	16 27	24 8	2 35	16 49	1 54	12 53	7 49	23 33	0 42	23 9	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 42	16 20	23 15	23 9	13 56	1 19	3 21	
F 5	16 9	21 55	3 38	16 11	1 51	12 58	7 49	23 29	0 42	23 9	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 43	16 20	23 15	23 9	13 54	1 20	3 20	
S 6	15 51	18 9	4 26	15 31	1 47	13 2	7 48	23 25	0 43	23 9	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 44	16 21	23 14	23 9	13 52	1 21	3 20	
S 7	15 32	13 9	4 56	14 50	1 42	13 7	7 47	23 21	0 44	23 10	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 44	16 21	23 14	23 8	13 49	1 22	3 20	
M 8	15 14	7 23	5 5	14 8	1 36	13 12	7 45	23 16	0 44	23 10	0 19	22 17	1 9	10 42	0 34	17 14	1 43	16 45	16 21	23 13	23 8	13 47	1 23	3 20	
T 9	14 55	1 18	4 53	13 25	1 30	13 17	7 42	23 11	0 45	23 10	0 19	22 17	1 9	10 42	0 34	17 15	1 43	16 46	16 22	23 13	23 8	13 45	1 24	3 20	
W10	14 35	4n42	4 22	12 40	1 24	13 22	7 39	23 6	0 46	23 10	0 19	22 17	1 9	10 41	0 34	17 15	1 43	16 47	16 22	23 12	23 8	13 42	1 25	3 20	
T 11	14 16	10 18	3 36	11 54	1 17	13 27	7 35	23 1	0 46	23 10	0 19	22 18	1 9	10 41	0 34	17 15	1 43	16 48	16 23	23 12	23 7	13 40	1 26	3 19	
F 12	13 56	15 14	2 40	11 7	1 9	13 33	7 31	22 56	0 47	23 10	0 19	22 18	1 9	10 41	0 34	17 15	1 43	16 49	16 23	23 12	23 7	13 38	1 27	3 19	
S 13	13 36	19 16	1 36	10 20	1 0	13 38	7 26	22 50	0 48	23 10	0 19	22 18	1 9	10 41	0 34	17 15	1 43	16 49	16 23	23 12	23 7	13 35	1 28	3 19	
S 14	13 16	22 16	0 29	9 31	0 51	13 43	7 21	22 44	0 48	23 10	0 19	22 18	1 9	10 41	0 34	17 15	1 43	16 50	16 24	23 12	23 7	13 33	1 30	3 19	
M15	12 56	24 6	0n37	8 42	0 41	13 48	7 15	22 37	0 49	23 9	0 19	22 18	1 9	10 40	0 34	17 15	1 43	16 51	16 24	23 12	23 7	13 31	1 31	3 19	
T 16	12 35	24 43	1 41	7 53	0 30	13 54	7 9	22 31	0 50	23 9	0 19	22 18	1 9	10 40	0 34	17 15	1 43	16 52	16 24	23 12	23 6	13 28	1 32	3 19	
W17	12 15	24 8	2 39	7 3	0 18	13 59	7 3	22 24	0 50	23 9	0 18	22 18	1 9	10 40	0 34	17 16	1 43	16 53	16 25	23 12	23 6	13 26	1 33	3 18	
T 18	11 54	22 26	3 29	6 14	0 6	14 4	6 56	22 17	0 51	23 9	0 18	22 18	1 9	10 40	0 34	17 16	1 42	16 54	16 25	23 11	23 6	13 23	1 34	3 18	
F 19	11 32	19 45	4 10	5 25	0n 6	14 8	6 49	22 10	0 52	23 9	0 18	22 18	1 9	10 39	0 34	17 16	1 42	16 54	16 25	23 11	23 6	13 21	1 35	3 18	
S 20	11 11	16 15	4 39	4 37	0 19	14 13	6 42	22 2	0 52	23 9	0 18	22 18	1 9	10 39	0 34	17 16	1 42	16 55	16 25	23 10	23 5	13 19	1 37	3 18	
S 21	10 50	12 8	4 56	3 50	0 33	14 17	6 35	21 55	0 53	23 9	0 18	22 18	1 9	10 39	0 34	17 16	1 42	16 56	16 26	23 9	23 5	13 16	1 38	3 18	
M22	10 28	7 33	5 0	3 5	0 47	14 22	6 27	21 47	0 53	23 9	0 18	22 18	1 9	10 38	0 34	17 17	1 42	16 57	16 26	23 8	23 5	13 14	1 39	3 18	
T 23	10 6	2 40	4 52	2 21	1 1	14 26	6 20	21 39	0 54	23 9	0 18	22 18	1 9	10 38	0 34	17 17	1 42	16 58	16 26	23 7	23 5	13 12	1 40	3 18	
W24	9 44	2s19	4 30	1 40	1 16	14 29	6 12	21 30	0 55	23 9	0 18	22 18	1 9	10 37	0 34	17 17	1 42	16 59	16 26	23 6	23 4	13 9	1 42	3 17	
T25	9 22	7 17	3 56	1 1	1 30	14 33	6 4	21 22	0 55	23 8	0 18	22 18	1 9	10 37	0 34	17 17	1 42	16 59	16 27	23 5	23 4	13 7	1 43	3 17	
F 26	9 0	12 2	3 11	0 25	1 45	14 36	5 56	21 13	0 56	23 8	0 18	22 18	1 9	10 37	0 34	17 18	1 42	17 0	16 27	23 5	23 4	13 4	1 44	3 17	
S 27	8 37	16 23	2 16	0n 8	1 59	14 38	5 48	21 4	0 57	23 8	0 18	22 18	1 9	10 36	0 35	17 18	1 42	17 1	16 27	23 5	23 4	13 2	1 46	3 17	
S 28	8s15	20s 7	1n13	0n37	2n13	14s41	5n39	20s54	0s57	23s 8	0n18	22s18	1n 9	10s36	0n35	17n18	1s42	17n 2	16n27	23n 5	23n 3	13n 0	1n47	3n17	

# ASTRODIENST EPHEMERIS for the year 1723

## geocentric

MARCH 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 32 49	9♂53'30	18♂53	26♂58	0♂21	1♂44	3♂44	28♂15	28♂R58	24♂37	25♂R 1	19♂R46	19♂II24	8♂50	26♂58	M 1
T 2	10 36 46	10♂53'37	2♂22	27♂21	0♂52	2♂30	3♂53	28♂19	28♂57	24♂37	24♂59	19♂II45	19♂21	8♂56	27♂ 2	T 2
W 3	10 40 42	11♂53'41	16♂19	27♂35	1♂24	3♂15	4♂ 2	28♂23	28♂55	24♂38	24♂57	19♂43	19♂17	9♂ 3	27♂ 5	W 3
T 4	10 44 39	12♂53'44	0♂45	27♂R40	1♂58	4♂ 1	4♂11	28♂26	28♂54	24♂39	24♂56	19♂39	19♂14	9♂10	27♂ 9	T 4
F 5	10 48 35	13♂53'46	15♂36	27♂35	2♂33	4♂47	4♂20	28♂29	28♂52	24♂40	24♂54	19♂32	19♂11	9♂17	27♂13	F 5
S 6	10 52 32	14♂53'45	0♂47	27♂22	3♂10	5♂33	4♂28	28♂33	28♂51	24♂41	24♂53	19♂22	19♂ 8	9♂23	27♂16	S 6
S 7	10 56 28	15♂53'43	16♂ 8	27♂ 1	3♂48	6♂18	4♂36	28♂36	28♂49	24♂42	24♂51	19♂10	19♂ 5	9♂30	27♂20	S 7
M 8	11 0 25	16♂53'38	1♂26	26♂31	4♂27	7♂ 4	4♂45	28♂39	28♂47	24♂43	24♂49	18♂59	19♂ 2	9♂37	27♂23	M 8
T 9	11 4 22	17♂53'32	16♂31	25♂55	5♂ 7	7♂50	4♂53	28♂42	28♂46	24♂44	24♂48	18♂49	18♂58	9♂43	27♂27	T 9
W10	11 8 18	18♂53'23	1♂14	25♂12	5♂48	8♂36	5♂ 1	28♂45	28♂44	24♂45	24♂46	18♂41	18♂55	9♂50	27♂31	W10
T 11	11 12 15	19♂53'13	15♂28	24♂25	6♂31	9♂22	5♂ 8	28♂48	28♂42	24♂47	24♂45	18♂35	18♂52	9♂57	27♂34	T 11
F 12	11 16 11	20♂53'00	29♂12	23♂33	7♂14	10♂ 8	5♂16	28♂50	28♂40	24♂48	24♂43	18♂33	18♂49	10♂ 4	27♂38	F 12
S 13	11 20 8	21♂52'45	12♂II27	22♂39	7♂58	10♂54	5♂24	28♂53	28♂39	24♂49	24♂41	18♂32	18♂46	10♂10	27♂42	S 13
S 14	11 24 4	22♂52'27	25♂17	21♂43	8♂43	11♂40	5♂31	28♂55	28♂37	24♂50	24♂40	18♂32	18♂42	10♂17	27♂45	S 14
M15	11 28 1	23♂52'08	7♂46	20♂46	9♂29	12♂26	5♂38	28♂58	28♂35	24♂52	24♂38	18♂31	18♂39	10♂24	27♂49	M15
T 16	11 31 57	24♂51'46	20♂ 0	19♂51	10♂16	13♂12	5♂45	29♂ 0	28♂33	24♂53	24♂36	18♂29	18♂36	10♂31	27♂53	T 16
W17	11 35 54	25♂51'21	2♂2	18♂58	11♂ 4	13♂58	5♂52	29♂ 2	28♂31	24♂54	24♂35	18♂25	18♂33	10♂37	27♂56	W17
T 18	11 39 51	26♂50'55	13♂57	18♂ 7	11♂53	14♂44	5♂59	29♂ 5	28♂29	24♂55	24♂33	18♂17	18♂30	10♂44	28♂ 0	T 18
F 19	11 43 47	27♂50'26	25♂49	17♂20	12♂42	15♂30	6♂ 6	29♂ 7	28♂27	24♂57	24♂31	18♂ 7	18♂27	10♂51	28♂ 4	F 19
S 20	11 47 44	28♂49'55	7♂41	16♂38	13♂32	16♂16	6♂12	29♂ 9	28♂25	24♂58	24♂30	17♂54	18♂23	10♂57	28♂ 8	S 20
S 21	11 51 40	29♂49'22	19♂34	16♂ 1	14♂23	17♂ 2	6♂19	29♂11	28♂23	25♂ 0	24♂28	17♂41	18♂20	11♂ 4	28♂11	S 21
M22	11 55 37	0♂48'47	1♂29	15♂29	15♂15	17♂48	6♂25	29♂12	28♂20	25♂ 1	24♂27	17♂27	18♂17	11♂11	28♂15	M22
T 23	11 59 33	1♂48'09	13♂29	15♂ 3	16♂ 7	18♂34	6♂31	29♂14	28♂18	25♂ 3	24♂25	17♂13	18♂14	11♂18	28♂19	T 23
W24	12 3 30	2♂47'30	25♂35	14♂43	17♂ 0	19♂20	6♂37	29♂16	28♂16	25♂ 4	24♂23	17♂ 2	18♂11	11♂24	28♂22	W24
T 25	12 7 26	3♂46'49	7♂47	14♂29	17♂53	20♂ 6	6♂43	29♂17	28♂14	25♂ 6	24♂22	16♂53	18♂ 8	11♂31	28♂26	T 25
F 26	12 11 23	4♂46'06	20♂ 8	14♂21	18♂47	20♂52	6♂48	29♂19	28♂12	25♂ 7	24♂20	16♂48	18♂ 4	11♂38	28♂30	F 26
S 27	12 15 19	5♂45'21	2♂39	14♂D18	19♂42	21♂38	6♂54	29♂20	28♂ 9	25♂ 9	24♂18	16♂45	18♂ 1	11♂44	28♂33	S 27
S 28	12 19 16	6♂44'34	15♂25	14♂21	20♂37	22♂24	6♂59	29♂21	28♂ 7	25♂10	24♂17	16♂D44	17♂58	11♂51	28♂37	S 28
M29	12 23 13	7♂43'46	28♂29	14♂30	21♂33	23♂10	7♂ 4	29♂22	28♂ 5	25♂12	24♂15	16♂44	17♂55	11♂58	28♂41	M29
T 30	12 27 9	8♂42'55	11♂53	14♂43	22♂29	23♂56	7♂ 9	29♂23	28♂ 2	25♂14	24♂14	16♂R44	17♂52	12♂ 5	28♂ 4	T 30
W31	12 31 6	9♂42'04	25♂40	15♂ 2	23♂25	24♂42	7♂14	29♂24	28♂ 0	25♂15	24♂12	16♂II43	17♂II48	12♂11	28♂48	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	7s52	22s56	0n 5	1n 2	2n27	14s43	5n31	20s45	0s58	23s 8	0n18	22s18	1n 9	10s35	0n35	17n18
T 2	7 30	24 33	1s 6	1 23	2 40	14 44	5 23	20 35	0 59	23 7	0 18	22 18	1 9	10 35	0 35	17 19
W 3	7 7	24 43	2 15	1 40	2 52	14 46	5 14	20 25	0 59	23 7	0 18	22 18	1 10	10 34	0 35	17 19
T 4	6 44	23 15	3 18	1 52	3 3	14 47	5 6	20 15	1 0	23 7	0 18	22 18	1 10	10 34	0 35	17 19
F 5	6 21	20 9	4 10	1 59	3 13	14 47	4 58	20 4	1 0	23 7	0 18	22 18	1 10	10 33	0 35	17 19
S 6	5 58	15 38	4 45	2 2	3 21	14 47	4 49	19 54	1 1	23 7	0 17	22 18	1 10	10 32	0 35	17 20
S 7	5 34	10 5	5 0	2 0	3 28	14 47	4 41	19 43	1 2	23 6	0 17	22 18	1 10	10 32	0 35	17 20
M 8	5 11	3 54	4 53	1 53	3 33	14 46	4 33	19 32	1 2	23 6	0 17	22 18	1 10	10 31	0 35	17 20
T 9	4 48	2n25	4 26	1 41	3 37	14 45	4 24	19 21	1 3	23 6	0 17	22 18	1 10	10 31	0 35	17 21
W10	4 24	8 27	3 42	1 26	3 38	14 43	4 16	19 9	1 3	23 6	0 17	22 18	1 10	10 30	0 35	17 21
T 11	4 1	13 52	2 45	1 6	3 38	14 41	4 7	18 58	1 4	23 5	0 17	22 18	1 10	10 29	0 35	17 21
F 12	3 37	18 23	1 40	0 44	3 35	14 38	3 59	18 46	1 5	23 5	0 17	22 18	1 10	10 29	0 35	17 22
S 13	3 14	21 48	0 32	0 18	3 31	14 35	3 51	18 34	1 5	23 5	0 17	22 18	1 10	10 28	0 35	17 22
S 14	2 50	23 59	0n36	0s10	3 24	14 31	3 43	18 22	1 6	23 5	0 17	22 18	1 10	10 27	0 35	17 22
M15	2 26	24 55	1 40	0 39	3 16	14 27	3 35	18 10	1 6	23 4	0 17	22 18	1 10	10 27	0 35	17 23
T 16	2 3	24 35	2 38	1 10	3 6	14 23	3 26	17 57	1 7	23 4	0 17	22 18	1 10	10 26	0 35	17 23
W17	1 39	23 3	3 28	1 41	2 55	14 18	3 18	17 44	1 7	23 4	0 17	22 18	1 10	10 25	0 35	17 23
T 18	1 15	20 38	4 8	2 12	2 43	14 12	3 10	17 31	1 8	23 4	0 17	22 18	1 10	10 25	0 35	17 24
F 19	0 52	17 17	4 38	2 43	2 30	14 6	3 3	17 18	1 9	23 3	0 17	22 18	1 10	10 24	0 35	17 24
S 20	0 28	13 16	4 55	3 12	2 15	14 0	2 55	17 5	1 9	23 3	0 17	22 18	1 10	10 23	0 35	17 25
S 21	0 4	8 44	5 0	3 40	2 0	13 53	2 47	16 52	1 10	23 3	0 17	22 18	1 10	10 22	0 35	17 25
M22	0n19	3 51	4 51	4 7	1 45	13 45	2 39	16 38	1 10	23 3	0 17	22 18	1 10	10 21	0 35	17 25
T 23	0 43	1s12	4 29	4 31	1 30	13 37	2 32	16 24	1 11	23 2	0 17	22 18	1 10	10 21	0 35	17 26
W24	1 7	6 15	3 56	4 53	1 14	13 29	2 24	16 11	1 11	23 2	0 16	22 18	1 10	10 20	0 35	17 26
T 25	1 30	11 7	3 11	5 13	0 59	13 20	2 17	15 56	1 12	23 2	0 16	22 18	1 11	10 19	0 35	17 27
F 26	1 54	15 37	2 16	5 30	0 44	13 10	2 9	15 42	1 12	23 2	0 16	22 18	1 11	10 18	0 35	17 27
S 27	2 17	19 31	1 14	5 45	0 29	13 0	2 2	15 28	1 13	23 2	0 16	22 18	1 11	10 17	0 35	17 27
S 28	2 41	22 34	0 7	5 57	0 14	12 50	1 55	15 13	1 13	23 1	0 16	22 18	1 11	10 17	0 35	17 28
M29	3 4	24 30	1s 2	6 7	0s 0	12 39	1 47	14 59	1 14	23 1	0 16	22 18	1 11	10 16	0 35	17 28
T 30	3 28	25 6	2 9	6 14	0 14	12 27	1 40	14 44	1 14	23 1	0 16	22 18	1 11	10 15	0 35	17 29
W31	3n51	24s10	3s11	6s19	0s27	12s16	1n33	14s29	1s15	23s 1	0n16	22s18	1n11	10s14	0n35	17n29

Julian Day Number = 2350431.5, Delta T = 10.53 sec  
 Ecliptic obliquity = 23°28'33", Nutation = - 0°00'16", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 20°52'32", Lahiri = 19°59'33Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

APRIL 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 35 2	10°41'10	9°52	15°26	24°23	25°28	7°18	29°25	27°R57	25°17	24°R11	16°R40	17°II45	12°18	28°52	T 1
F 2	12 38 59	11°40'14	24°28	15°54	25°20	26°14	7°23	29°26	27°255	25°19	24°9	16°II35	17°42	12°25	28°55	F 2
S 3	12 42 55	12°39'17	9°22	16°26	26°18	27° 1	7°27	29°26	27°53	25°21	24° 7	16°27	17°39	12°32	28°59	S 3
S 4	12 46 52	13°38'18	24°29	17° 3	27°17	27°47	7°31	29°27	27°50	25°22	24° 6	16°18	17°36	12°38	29° 2	S 4
M 5	12 50 48	14°37'16	9°37	17°43	28°15	28°33	7°35	29°27	27°48	25°24	24° 4	16° 8	17°33	12°45	29° 6	M 5
T 6	12 54 45	15°36'13	24°38	18°28	29°15	29°19	7°39	29°27	27°45	25°26	24° 3	16° 0	17°29	12°52	29°10	T 6
W 7	12 58 42	16°35'08	9°21	19°15	0°14	0°14	7°42	29°28	27°43	25°28	24° 1	15°53	17°26	12°58	29°13	W 7
T 8	13 2 38	17°34'00	23°39	20° 6	1°14	0°51	7°46	29°28	27°40	25°30	24° 0	15°48	17°23	13° 5	29°17	T 8
F 9	13 6 35	18°32'51	7°II29	21° 0	2°15	1°37	7°49	29°R28	27°38	25°31	23°58	15°46	17°20	13°12	29°20	F 9
S 10	13 10 31	19°31'39	20°52	21°58	3°15	2°23	7°52	29°28	27°35	25°33	23°57	15°D46	17°17	13°19	29°24	S 10
S 11	13 14 28	20°30'25	3°248	22°58	4°16	3° 9	7°55	29°28	27°33	25°35	23°56	15°47	17°14	13°25	29°27	S 11
M12	13 18 24	21°29'09	16°21	24° 1	5°17	3°55	7°57	29°27	27°30	25°37	23°54	15°R48	17°10	13°32	29°31	M12
T 13	13 22 21	22°27'51	28°37	25° 6	6°19	4°42	8° 0	29°27	27°28	25°39	23°53	15°48	17° 7	13°39	29°34	T 13
W14	13 26 17	23°26'30	10°240	26°14	7°21	5°28	8° 2	29°26	27°25	25°41	23°51	15°46	17° 4	13°46	29°38	W14
T 15	13 30 14	24°25'07	22°36	27°24	8°23	6°14	8° 4	29°26	27°23	25°43	23°50	15°42	17° 1	13°52	29°41	T 15
F 16	13 34 11	25°23'42	4°27	28°37	9°25	7° 0	8° 6	29°25	27°20	25°45	23°49	15°36	16°58	13°59	29°45	F 16
S 17	13 38 7	26°22'14	16°19	29°52	10°28	7°46	8° 8	29°24	27°17	25°47	23°47	15°28	16°54	14° 6	29°48	S 17
S 18	13 42 4	27°20'45	28°14	1°9	11°31	8°32	8°10	29°24	27°15	25°49	23°46	15°20	16°51	14°12	29°51	S 18
M19	13 46 0	28°19'13	10°215	2°28	12°34	9°18	8°11	29°23	27°12	25°51	23°45	15°10	16°48	14°19	29°55	M19
T 20	13 49 57	29°17'40	22°22	3°50	13°37	10° 4	8°12	29°22	27°10	25°53	23°43	15° 2	16°45	14°26	29°58	T 20
W21	13 53 53	0°16'04	4°139	5°13	14°41	10°50	8°13	29°20	27° 7	25°55	23°42	14°55	16°42	14°33	0°9	W21
T 22	13 57 50	1°14'27	17° 4	6°38	15°45	11°36	8°14	29°19	27° 5	25°57	23°41	14°50	16°39	14°39	0° 5	T 22
F 23	14 1 46	2°12'48	29°41	8° 6	16°49	12°22	8°15	29°18	27° 2	25°59	23°40	14°46	16°35	14°46	0° 8	F 23
S 24	14 5 43	3°11'08	12°28	9°35	17°53	13° 8	8°15	29°16	27° 0	26° 1	23°39	14°D45	16°32	14°53	0°11	S 24
S 25	14 9 40	4° 9'26	25°28	11° 6	18°58	13°54	8°15	29°15	26°57	26° 3	23°37	14°46	16°29	14°59	0°14	S 25
M26	14 13 36	5° 7'42	8°242	12°39	20° 3	14°40	8°R15	29°13	26°55	26° 6	23°36	14°47	16°26	15° 6	0°17	M26
T 27	14 17 33	6° 5'57	22°12	14°14	21° 8	15°25	8°15	29°12	26°52	26° 8	23°35	14°48	16°23	15°13	0°21	T 27
W28	14 21 29	7° 4'10	5°59	15°51	22°13	16°11	8°15	29°10	26°50	26°10	23°34	14°R49	16°19	15°20	0°24	W28
T 29	14 25 26	8° 2'22	20° 3	17°29	23°18	16°57	8°14	29° 8	26°47	26°12	23°33	14°49	16°16	15°26	0°27	T 29
F 30	14 29 22	9° 0'32	4°24	19°10	24°23	17°43	8°214	29°26	26°45	26°14	23°32	14°II46	16°II13	15°33	0°30	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4n14	21s42	4s 3	6s21	0s39	12s 3	1n27	14s14	1s15	23s 1	0n16	22s18	1n11	10s13	0n35	T 1
F 2	4 37	17 48	4 41	6 22	0 51	11 51	1 20	13 59	1 16	23 0	0 16	22 18	1 11	10 12	0 35	F 2
S 3	5 0	12 42	5 1	6 19	1 3	11 37	1 13	13 43	1 16	23 0	0 16	22 18	1 11	10 12	0 35	S 3
S 4	5 23	6 47	5 0	6 15	1 14	11 24	1 7	13 28	1 17	23 0	0 16	22 18	1 11	10 11	0 35	S 4
M 5	5 46	0 27	4 38	6 9	1 24	11 9	1 0	13 12	1 17	23 0	0 16	22 17	1 11	10 10	0 35	M 5
T 6	6 9	5n52	3 58	6 0	1 33	10 55	0 54	12 57	1 18	23 0	0 16	22 17	1 11	10 9	0 35	T 6
W 7	6 32	11 45	3 2	5 50	1 42	10 40	0 48	12 41	1 18	23 0	0 16	22 17	1 11	10 8	0 35	W 7
T 8	6 54	16 51	1 55	5 37	1 51	10 24	0 41	12 25	1 19	22 59	0 15	22 17	1 11	10 7	0 35	T 8
F 9	7 17	20 52	0 44	5 23	1 58	10 9	0 35	12 9	1 19	22 59	0 15	22 17	1 11	10 6	0 35	F 9
S 10	7 39	23 37	0n27	5 7	2 6	9 52	0 29	11 53	1 19	22 59	0 15	22 17	1 11	10 5	0 35	S 10
S 11	8 1	25 0	1 35	4 49	2 12	9 36	0 24	11 36	1 20	22 59	0 15	22 17	1 11	10 4	0 35	S 11
M12	8 23	25 4	2 36	4 30	2 18	9 19	0 18	11 20	1 20	22 59	0 15	22 17	1 11	10 3	0 35	M12
T 13	8 45	23 53	3 29	4 8	2 23	9 1	0 12	11 3	1 21	22 59	0 15	22 17	1 11	10 3	0 35	T 13
W14	9 7	21 37	4 11	3 46	2 28	8 43	0 7	10 47	1 21	22 59	0 15	22 17	1 11	10 2	0 35	W14
T 15	9 29	18 27	4 42	3 22	2 32	8 25	0 1	10 30	1 22	22 59	0 15	22 17	1 11	10 1	0 35	T 15
F 16	9 50	14 33	5 1	2 56	2 36	8 7	0s 4	10 13	1 22	22 59	0 15	22 17	1 12	10 0	0 35	F 16
S 17	10 12	10 6	5 6	2 29	2 38	7 48	0 9	9 57	1 22	22 59	0 15	22 17	1 12	9 59	0 35	S 17
S 18	10 33	5 16	4 59	2 0	2 41	7 29	0 14	9 40	1 23	22 59	0 15	22 17	1 12	9 58	0 35	S 18
M19	10 54	0 12	4 38	1 30	2 43	7 9	0 19	9 23	1 23	22 59	0 15	22 17	1 12	9 57	0 35	M19
T 20	11 14	4s56	4 5	0 59	2 44	6 49	0 24	9 6	1 23	22 59	0 15	22 17	1 12	9 56	0 35	T 20
W21	11 35	9 58	3 19	0 26	2 44	6 29	0 29	8 49	1 24	22 59	0 15	22 17	1 12	9 55	0 35	W21
T 22	11 55	14 39	2 24	0n 7	2 45	6 9	0 34	8 31	1 24	22 59	0 14	22 17	1 12	9 54	0 35	T 22
F 23	12 16	18 48	1 21	0 42	2 44	5 48	0 38	8 14	1 24	22 59	0 14	22 17	1 12	9 53	0 35	F 23
S 24	12 36	22 7	0 12	1 18	2 43	5 27	0 42	7 57	1 25	22 59	0 14	22 17	1 12	9 53	0 35	S 24
S 25	12 55	24 22	0s58	1 55	2 41	5 5	0 47	7 39	1 25	22 59	0 14	22 17	1 12	9 52	0 35	S 25
M26	13 15	25 17	2 6	2 33	2 39	4 44	0 51	7 22	1 25	22 59	0 14	22 17	1 12	9 51	0 35	M26
T 27	13 34	24 45	3 9	3 13	2 37	4 22	0 55	7 4	1 26	22 59	0 14	22 17	1 12	9 50	0 35	T 27
W28	13 54	22 43	4 3	3 53	2 33	4 0	0 59	6 47	1 26	22 59	0 14	22 17	1 12	9 49	0 35	W28
T 29	14 13	19 17	4 43	4 34	2 30	3 38	1 3	6 29	1 26	22 59	0 14	22 16	1 12	9 48	0 35	T 29
F 30	14n31	14s39	5s 6	5n16	2s25	3s15	1s 7	6s11	1s27	22s59	0n14	22s16	1n12	9s47	0n35	F 30

Julian Day Number = 2350462.5, Delta T = 10.53 sec  
Ecliptic obliquity = 23°28'34", Nutation = - 0°00'17", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°52'36", Lahiri = 19°59'37"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

MAY 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 33 19	9♂58'41	18♂58	20♂52	25♂29	18♂29	8°R13	29°R 4	26°R42	26♂16	23°R31	14°R43	16♂10	15♂40	0♂33	S 1
S 2	14 37 15	10°56'48	3♂40	22°36	26°35	19°15	8♂12	29♂ 2	26♂40	26°19	23♂30	14♂38	16° 7	15°47	0°36	S 2
M 3	14 41 12	11°54'54	18°25	24°22	27°41	20° 1	8°11	29° 0	26°37	26°21	23°29	14°33	16° 4	15°53	0°39	M 3
T 4	14 45 9	12°52'58	3♂ 5	26°10	28°47	20°46	8° 9	28°57	26°35	26°23	23°28	14°29	16° 0	16° 0	0°42	T 4
W 5	14 49 5	13°51'01	17°32	28° 0	29°53	21°32	8° 7	28°55	26°32	26°25	23°27	14°26	15°57	16° 7	0°45	W 5
T 6	14 53 2	14°49'02	1♂41	29°52	1♂ 0	22°18	8° 6	28°53	26°30	26°27	23°26	14°24	15°54	16°13	0°48	T 6
F 7	14 56 58	15°47'02	15°27	1♂45	2° 6	23° 3	8° 4	28°50	26°28	26°30	23°25	14°D23	15°51	16°20	0°51	F 7
S 8	15 0 55	16°45'00	28°49	3°41	3°13	23°49	8° 1	28°47	26°25	26°32	23°25	14°24	15°48	16°27	0°53	S 8
S 9	15 4 51	17°42'56	11♂48	5°38	4°20	24°35	7°59	28°45	26°23	26°34	23°24	14°25	15°45	16°34	0°56	S 9
M10	15 8 48	18°40'50	24°25	7°37	5°27	25°20	7°57	28°42	26°21	26°36	23°23	14°27	15°41	16°40	0°59	M10
T 11	15 12 44	19°38'43	6♂45	9°38	6°34	26° 6	7°54	28°39	26°18	26°38	23°22	14°28	15°38	16°47	1° 2	T 11
W12	15 16 41	20°36'33	18°51	11°41	7°41	26°51	7°51	28°36	26°16	26°41	23°22	14°R29	15°35	16°54	1° 4	W12
T 13	15 20 38	21°34'22	0♂48	13°45	8°48	27°37	7°48	28°33	26°14	26°43	23°21	14°28	15°32	17° 0	1° 7	T 13
F 14	15 24 34	22°32'10	12°41	15°51	9°56	28°22	7°45	28°30	26°12	26°45	23°20	14°27	15°29	17° 7	1° 9	F 14
S 15	15 28 31	23°29'55	24°35	17°58	11° 3	29° 8	7°41	28°27	26° 9	26°47	23°20	14°25	15°25	17°14	1°12	S 15
S 16	15 32 27	24°27'39	6♂32	20° 6	12°11	29°53	7°37	28°24	26° 7	26°50	23°19	14°22	15°22	17°21	1°15	S 16
M17	15 36 24	25°25'22	18°38	22°16	13°19	0♂39	7°34	28°20	26° 5	26°52	23°18	14°19	15°19	17°27	1°17	M17
T 18	15 40 20	26°23'02	0♂53	24°26	14°27	1°24	7°30	28°17	26° 3	26°54	23°18	14°16	15°16	17°34	1°19	T 18
W19	15 44 17	27°20'42	13°21	26°37	15°35	2° 9	7°26	28°14	26° 1	26°56	23°17	14°14	15°13	17°41	1°22	W19
T 20	15 48 13	28°18'20	26° 2	28°49	16°43	2°54	7°21	28°10	25°59	26°59	23°17	14°12	15°10	17°48	1°24	T 20
F 21	15 52 10	29°15'57	8♂57	1♂ 1	17°51	3°40	7°17	28° 7	25°57	27° 1	23°16	14°D12	15° 6	17°54	1°27	F 21
S 22	15 56 7	0♂13'33	22° 7	3°12	18°59	4°25	7°12	28° 3	25°55	27° 3	23°16	14°12	15° 3	18° 1	1°29	S 22
S 23	16 0 3	1°11'08	5♂29	5°24	20° 8	5°10	7° 8	27°59	25°53	27° 5	23°16	14°12	15° 0	18° 8	1°31	S 23
M24	16 4 0	2° 8'41	19° 5	7°34	21°16	5°55	7° 3	27°56	25°51	27° 8	23°15	14°13	14°57	18°14	1°33	M24
T 25	16 7 56	3° 6'14	2♂52	9°44	22°25	6°40	6°58	27°52	25°49	27°10	23°15	14°14	14°54	18°21	1°35	T 25
W26	16 11 53	4° 3'46	16°49	11°52	23°34	7°25	6°52	27°48	25°47	27°12	23°15	14°15	14°51	18°28	1°38	W26
T 27	16 15 49	5° 1'17	0♂56	13°59	24°42	8°10	6°47	27°44	25°46	27°14	23°14	14°R15	14°47	18°35	1°40	T 27
F 28	16 19 46	5°58'47	15°10	16° 5	25°51	8°55	6°42	27°40	25°44	27°17	23°14	14°15	14°44	18°41	1°42	F 28
S 29	16 23 42	6°56'17	29°28	18° 9	27° 0	9°40	6°36	27°36	25°42	27°19	23°14	14°15	14°41	18°48	1°44	S 29
S 30	16 27 39	7°53'45	13♂48	20°10	28° 9	10°25	6°30	27°32	25°40	27°21	23°14	14°14	14°38	18°55	1°46	S 30
M31	16 31 36	8♂51'13	28♂ 6	22♂10	29♂18	11♂ 9	6♂24	27♂28	25♂39	27♂23	23♂13	14♂14	14♂35	19♂ 2	1♂47	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	14n50	9s 8	5s10	5n59	2s21	2s52	1s10	5s54	1s27	23s 0	0n14	22s16	1n12	9s46	0n35	17n44
S 2	15 8	3 2	4 54	6 43	2 15	2 29	1 14	5 36	1 27	23 0	0 14	22 16	1 12	9 45	0 35	17 45
M 3	15 26	3n15	4 19	7 27	2 10	2 6	1 17	5 18	1 27	23 0	0 14	22 16	1 12	9 45	0 35	17 45
T 4	15 44	9 19	3 26	8 12	2 3	1 43	1 20	5 0	1 28	23 0	0 13	22 16	1 12	9 44	0 35	17 46
W 5	16 1	14 50	2 21	8 58	1 56	1 19	1 23	4 43	1 28	23 0	0 13	22 16	1 12	9 43	0 35	17 47
T 6	16 18	19 24	1 9	9 44	1 49	0 56	1 27	4 25	1 28	23 0	0 13	22 16	1 12	9 42	0 35	17 47
F 7	16 35	22 47	0n 6	10 31	1 41	0 32	1 29	4 7	1 28	23 1	0 13	22 16	1 12	9 41	0 35	17 48
S 8	16 52	24 47	1 18	11 18	1 33	0 8	1 32	3 49	1 29	23 1	0 13	22 16	1 12	9 40	0 35	17 48
S 9	17 8	25 21	2 25	12 5	1 25	0n16	1 35	3 31	1 29	23 1	0 13	22 16	1 12	9 39	0 35	17 49
M10	17 25	24 35	3 22	12 53	1 16	0 41	1 38	3 13	1 29	23 1	0 13	22 16	1 12	9 39	0 35	17 49
T 11	17 40	22 37	4 9	13 40	1 6	1 5	1 40	2 55	1 29	23 2	0 13	22 16	1 12	9 38	0 35	17 50
W12	17 56	19 41	4 43	14 28	0 57	1 29	1 42	2 37	1 29	23 2	0 13	22 16	1 12	9 37	0 35	17 50
T 13	18 11	15 57	5 5	15 15	0 47	1 54	1 45	2 19	1 30	23 2	0 13	22 16	1 12	9 36	0 35	17 51
F 14	18 26	11 38	5 14	16 1	0 37	2 18	1 47	2 1	1 30	23 2	0 12	22 16	1 12	9 35	0 34	17 51
S 15	18 41	6 53	5 9	16 47	0 26	2 43	1 49	1 43	1 30	23 3	0 12	22 16	1 12	9 35	0 34	17 52
S 16	18 55	1 51	4 51	17 33	0 16	3 8	1 51	1 25	1 30	23 3	0 12	22 16	1 12	9 34	0 34	17 52
M17	19 9	3s18	4 20	18 17	0 5	3 32	1 52	1 7	1 30	23 3	0 12	22 16	1 12	9 33	0 34	17 53
T 18	19 22	8 25	3 36	19 0	0n 5	3 57	1 54	0 49	1 30	23 4	0 12	22 16	1 12	9 32	0 34	17 53
W19	19 36	13 18	2 42	19 41	0 16	4 22	1 56	0 32	1 30	23 4	0 12	22 16	1 12	9 32	0 34	17 54
T 20	19 49	17 42	1 39	20 21	0 26	4 46	1 57	0 14	1 31	23 4	0 12	22 16	1 12	9 31	0 34	17 54
F 21	20 1	21 21	0 29	20 59	0 36	5 11	1 59	0n 4	1 31	23 5	0 12	22 16	1 12	9 30	0 34	17 55
S 22	20 14	23 58	0s44	21 35	0 46	5 36	2 0	0 22	1 31	23 5	0 12	22 16	1 12	9 30	0 34	17 55
S 23	20 26	25 17	1 55	22 9	0 56	6 1	2 1	0 40	1 31	23 5	0 12	22 16	1 12	9 29	0 34	17 56
M24	20 37	25 6	3 1	22 41	1 5	6 25	2 2	0 58	1 31	23 6	0 11	22 16	1 12	9 28	0 34	17 56
T 25	20 49	23 24	3 58	23 9	1 14	6 50	2 3	1 16	1 31	23 6	0 11	22 16	1 12	9 28	0 34	17 57
W26	21 0	20 17	4 41	23 36	1 22	7 15	2 4	1 33	1 31	23 7	0 11	22 15	1 12	9 27	0 34	17 57
T 27	21 10	15 57	5 8	24 0	1 29	7 39	2 5	1 51	1 31	23 7	0 11	22 15	1 12	9 26	0 34	17 58
F 28	21 20	10 43	5 16	24 21	1 36	8 4	2 5	2 9	1 31	23 7	0 11	22 15	1 12	9 26	0 34	17 58
S 29	21 30	4 53	5 5	24 39	1 42	8 28	2 6	2 26	1 31	23 8	0 11	22 15	1 12	9 25	0 34	17 59
S 30	21 40	1n13	4 35	24 54	1 48	8 52	2 6	2 44	1 31	23 8	0 11	22 15	1 12	9 25	0 34	17 59
M31	21n49	7n15	3s48	25n 7	1n53	9n16	2s 6	3n 1	1s31	23s 9	0n11	22s15	1n12	9s24	0n34	18n 0

Julian Day Number = 2350492.5, Delta T = 10.53 sec  
Ecliptic obliquity = 23°28'33, Nutation = - 0°00'18, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°52'41, Lahiri = 19°59'41Greg. Calendar



# ASTRODIENST EPHEMERIS for the year 1723

## geocentric

JUNE 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 35 32	9Ⅱ48'40	12Ⅷ18	24Ⅱ 7	08Ⅱ27	11Ⅷ54	6°R18	27°R24	25°R37	27Ⅷ25	23°R13	14°R13	14Ⅱ31	19Ⅳ 8	1Ⅷ49	T 1
W 2	16 39 29	10°46'07	26°19	26° 2	1°37	12°39	6Ⅲ12	27°Ⅱ20	25Ⅴ36	27°28	23Ⅳ13	14Ⅱ13	14°28	19°15	1°51	W 2
T 3	16 43 25	11°43'33	10Ⅱ 7	27°55	2°46	13°23	6° 6	27°16	25°34	27°30	23°13	14°D13	14°25	19°22	1°53	T 3
F 4	16 47 22	12°40'58	23°38	29°45	3°55	14° 8	6° 0	27°12	25°33	27°32	23°D13	14°13	14°22	19°28	1°54	F 4
S 5	16 51 18	13°38'22	6Ⅴ50	1Ⅴ33	5° 5	14°52	5°53	27° 8	25°31	27°34	23°13	14°13	14°19	19°35	1°56	S 5
S 6	16 55 15	14°35'45	19°44	3°18	6°14	15°37	5°46	27° 3	25°30	27°36	23°13	14°R13	14°16	19°42	1°58	S 6
M 7	16 59 11	15°33'07	28Ⅱ20	5° 1	7°24	16°21	5°40	26°59	25°28	27°39	23°13	14°13	14°12	19°49	1°59	M 7
T 8	17 3 8	16°30'28	14°40	6°41	8°34	17° 6	5°33	26°55	25°27	27°41	23°14	14°12	14° 9	19°55	2° 1	T 8
W 9	17 7 5	17°27'48	26°47	8°18	9°43	17°50	5°26	26°51	25°26	27°43	23°14	14°12	14° 6	20° 2	2° 2	W 9
T 10	17 11 1	18°25'07	8Ⅳ45	9°53	10°53	18°34	5°19	26°46	25°25	27°45	23°14	14°12	14° 3	20° 9	2° 4	T 10
F 11	17 14 58	19°22'25	20°39	11°25	12° 3	19°18	5°12	26°42	25°23	27°47	23°14	14°D12	14° 0	20°16	2° 5	F 11
S 12	17 18 54	20°19'42	2Ⅴ33	12°54	13°13	20° 2	5° 5	26°38	25°22	27°49	23°14	14°12	13°57	20°22	2° 6	S 12
S 13	17 22 51	21°16'59	14°32	14°21	14°23	20°46	4°58	26°33	25°21	27°51	23°15	14°12	13°53	20°29	2° 8	S 13
M14	17 26 47	22°14'14	26°40	15°45	15°33	21°30	4°50	26°29	25°20	27°53	23°15	14°13	13°50	20°36	2° 9	M14
T 15	17 30 44	23°11'29	9Ⅳ 0	17° 6	16°43	22°14	4°43	26°24	25°19	27°56	23°15	14°14	13°47	20°42	2°10	T 15
W16	17 34 40	24° 8'43	21°36	18°25	17°53	22°58	4°36	26°20	25°18	27°58	23°16	14°15	13°44	20°49	2°11	W16
T 17	17 38 37	25° 5'57	4Ⅷ30	19°40	19° 3	23°42	4°28	26°16	25°17	28° 0	23°16	14°15	13°41	20°56	2°12	T 17
F 18	17 42 34	26° 3'10	17°43	20°53	20°14	24°25	4°21	26°11	25°17	28° 2	23°17	14°R15	13°37	21° 3	2°13	F 18
S 19	17 46 30	27° 0'23	13Ⅴ15	22° 3	21°24	25° 9	4°13	26° 7	25°16	28° 4	23°17	14°15	13°34	21° 9	2°14	S 19
S 20	17 50 27	27°57'35	15° 4	23° 9	22°35	25°52	4° 6	26° 2	25°15	28° 6	23°17	14°14	13°31	21°16	2°15	S 20
M21	17 54 23	28°54'47	29° 6	24°13	23°45	26°36	3°58	25°58	25°14	28° 8	23°18	14°12	13°28	21°23	2°16	M21
T 22	17 58 20	29°51'59	13Ⅸ19	25°13	24°55	27°19	3°50	25°54	25°14	28°10	23°19	14°10	13°25	21°29	2°16	T 22
W23	18 2 16	0849'11	27°37	26°10	26° 6	28° 3	3°43	25°49	25°13	28°12	23°19	14° 8	13°22	21°36	2°17	W23
T 24	18 6 13	1°46'23	11Ⅷ57	27° 4	27°17	28°46	3°35	25°45	25°13	28°14	23°20	14° 7	13°18	21°43	2°18	T 24
F 25	18 10 10	2°43'35	26°15	27°55	28°27	29°29	3°27	25°40	25°12	28°16	23°20	14°D 6	13°15	21°50	2°18	F 25
S 26	18 14 6	3°40'46	10Ⅷ27	28°41	29°38	08Ⅱ12	3°20	25°36	25°12	28°18	23°21	14° 6	13°12	21°56	2°19	S 26
S 27	18 18 3	4°37'58	24°33	29°24	0Ⅱ49	0°55	3°12	25°32	25°11	28°19	23°22	14° 7	13° 9	22° 3	2°20	S 27
M28	18 21 59	5°35'11	8Ⅷ29	08 4	2° 0	1°38	3° 4	25°27	25°11	28°21	23°23	14° 8	13° 6	22°10	2°20	M28
T 29	18 25 56	6°32'23	22°15	0°39	3°11	2°21	2°57	25°23	25°11	28°23	23°23	14°10	13° 3	22°17	2°20	T 29
W30	18 29 52	7Ⅴ29'36	5Ⅱ49	18Ⅱ10	4Ⅱ22	38 4	23Ⅴ49	25Ⅷ19	25Ⅴ10	28Ⅷ25	23Ⅳ24	14Ⅱ11	12Ⅱ59	22Ⅳ23	2Ⅷ21	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	decl lat	
T 1	21n57	12n53	2s48	25n17	1n57	9n40	2s 7	3n19	1s31	23s 9	0n11	22s15	1n12	9s23	0n34	18n 0	1s39
W 2	22 6 17	47 1 37	25 25	2 2	0 10	4 2	7 3	36 1	31 23	9 0	10 22	15 1	12 9	23 0	34 18	1 1	39 17
T 3	22 14 21	38 0 23	25 30	2 3	10 28	2 7	3 54	1 31	23 10	0 10	22 15	1 12	9 22	0 34	18 1	1 39	17 28
F 4	22 21 24	11 0n52	25 33	2 5	10 51	2 7	4 11	1 31	23 10	0 10	22 15	1 12	9 22	0 34	18 2	1 39	17 28
S 5	22 28 25	20 2 2	25 34	2 6	11 15	2 7	4 28	1 31	23 11	0 10	22 15	1 12	9 21	0 34	18 2	1 39	17 27
S 6	22 35 25	4 3 4	25 32	2 6	11 38	2 6	4 46	1 31	23 11	0 10	22 15	1 12	9 21	0 34	18 3	1 39	17 27
M 7	22 41 23	30 3 56	25 28	2 5	12 1	2 6	5 3	1 31	23 11	0 10	22 15	1 12	9 20	0 34	18 3	1 39	17 26
T 8	22 47 20	51 4 36	25 22	2 4	12 24	2 6	5 20	1 31	23 12	0 10	22 15	1 11	9 20	0 34	18 4	1 39	17 26
W 9	22 53 17	20 5 2	25 15	2 2	12 46	2 5	5 37	1 31	23 12	0 10	22 15	1 11	9 20	0 34	18 4	1 39	17 25
T 10	22 58 13	10 5 15	25 5	1 59	13 8	2 5	5 54	1 30	23 13	0 9	22 15	1 11	9 19	0 34	18 5	1 39	17 25
F 11	23 3 8	31 5 15	24 55	1 56	13 30	2 4	6 10	1 30	23 13	0 9	22 15	1 11	9 19	0 34	18 5	1 39	17 24
S 12	23 7 3	35 5 1	24 42	1 52	13 52	2 3	6 27	1 30	23 14	0 9	22 15	1 11	9 18	0 34	18 6	1 39	17 24
S 13	23 11 1s32	4 34 24	28 28	1 47	14 14	2 2	6 44	1 30	23 14	0 9	22 15	1 11	9 18	0 34	18 6	1 39	17 23
M14	23 15 6	40 3 54	24 13	1 41	14 35	2 1	7 0	1 30	23 14	0 9	22 15	1 11	9 18	0 34	18 7	1 39	17 23
T 15	23 18 11	38 3 3	23 57	1 35	14 56	2 0	7 17	1 30	23 15	0 9	22 15	1 11	9 17	0 34	18 7	1 39	17 22
W16	23 21 16	14 2 2	23 40	1 28	15 17	1 59	7 33	1 30	23 15	0 9	22 15	1 11	9 17	0 34	18 7	1 39	17 21
T 17	23 23 20	12 0s49	23 22	1 21	15 37	1 58	7 50	1 29	23 16	0 8	22 15	1 11	9 17	0 33	18 8	1 39	17 21
F 18	23 25 23	14 0s19	23 3	1 13	15 57	1 57	8 6	1 29	23 16	0 8	22 14	1 11	9 16	0 33	18 8	1 39	17 20
S 19	23 27 25	1 1 33	22 43	1 4	16 17	1 56	8 22	1 29	23 16	0 8	22 14	1 11	9 16	0 33	18 9	1 39	17 20
S 20	23 28 25	18 2 42	22 23	0 55	16 36	1 54	8 38	1 29	23 17	0 8	22 14	1 11	9 16	0 33	18 9	1 39	17 19
M21	23 28 24	0 3 43	22 2	0 45	16 55	1 53	8 54	1 29	23 17	0 8	22 14	1 11	9 16	0 33	18 10	1 39	17 18
T 22	23 29 21	10 4 31	21 41	0 34	17 14	1 51	9 10	1 28	23 17	0 8	22 14	1 10	9 16	0 33	18 10	1 39	17 18
W23	23 28 17	2 5 2	21 20	0 23	17 32	1 50	9 25	1 28	23 18	0 8	22 14	1 10	9 15	0 33	18 10	1 39	17 17
T 24	23 28 11	56 5 15	20 58	0 12	17 50	1 48	9 41	1 28	23 18	0 8	22 14	1 10	9 15	0 33	18 11	1 39	17 16
F 25	23 27 6	12 5 8	20 36	0s 0	18 7	1 46	9 57	1 28	23 18	0 7	22 14	1 10	9 15	0 33	18 11	1 39	17 16
S 26	23 25 0	11 4 43	20 15	0 13	18 24	1 45	10 12	1 27	23 19	0 7	22 14	1 10	9 15	0 33	18 12	1 39	17 15
S 27	23 24 5n48	4 0 19	53	0 26	18 40	1 43	10 27	1 27	23 19	0 7	22 14	1 10	9 15	0 33	18 12	1 39	17 14
M28	23 21 11	27 3 4	19 32	0 39	18 57	1 41	10 42	1 27	23 19	0 7	22 14	1 10	9 15	0 33	18 12	1 40	17 14
T 29	23 19 16	28 1 58	19 10	0 53	19 12	1 39	10 57	1 26	23 20	0 7	22 14	1 10	9 15	0 33	18 13	1 40	17 13
W30	23n16	20n34	0s46	18n50	1s 8	19n27	1s37	11n12	1s26	23s20	0n 7	22s14	1n10	9s15	0n33	18n13	1s40

Julian Day Number = 2350523.5, Delta T = 10.54 sec  
 Ecliptic obliquity = 23°28'33", Nutation = - 0°00'17", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 20°52'45", Lahiri = 19°59'45"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

JULY 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 33 49	8°26'49	19°12'12	1°37	5°11	3°46	2°R41	25°R15	25°R10	28°R27	23°R25	14°R11	12°R56	22°R30	2°V21	T 1
F 2	18 37 45	9°24'02	2°21	2° 0	6°44	4°29	2°R34	25°R10	25°R10	28°R29	23°R26	14°R10	12°R53	22°R37	2°V21	F 2
S 3	18 41 42	10°21'15	15°17	2°18	7°55	5°12	2°26	25° 6	25°10	28°R30	23°R27	14° 7	12°R50	22°R43	2°V22	S 3
S 4	18 45 39	11°18'28	27°58	2°32	9° 6	5°54	2°19	25° 2	25°D10	28°R32	23°R28	14° 4	12°R47	22°R50	2°V22	S 4
M 5	18 49 35	12°15'41	10°26	2°41	10°17	6°36	2°11	24°58	25°10	28°R34	23°R29	13°59	12°R43	22°R57	2°V22	M 5
T 6	18 53 32	13°12'54	22°42	2°R46	11°29	7°19	2° 4	24°54	25°10	28°R36	23°R30	13°55	12°R40	23° 4	2°R22	T 6
W 7	18 57 28	14°10'07	4°47	2°46	12°40	8° 1	1°56	24°50	25°10	28°R37	23°R31	13°50	12°R37	23°10	2°V22	W 7
T 8	19 1 25	15° 7'19	16°44	2°41	13°51	8°43	1°49	24°46	25°10	28°R39	23°R32	13°46	12°R34	23°17	2°V22	T 8
F 9	19 5 21	16° 4'32	28°37	2°31	15° 3	9°25	1°42	24°42	25°11	28°R41	23°R33	13°43	12°R31	23°24	2°V22	F 9
S 10	19 9 18	17° 1'45	10°30	2°17	16°14	10° 7	1°34	24°38	25°11	28°R42	23°R34	13°42	12°R28	23°30	2°V21	S 10
S 11	19 13 14	17°58'58	22°28	1°58	17°26	10°48	1°27	24°34	25°11	28°R44	23°R35	13°D41	12°R24	23°37	2°V21	S 11
M12	19 17 11	18°56'11	4°34	1°34	18°37	11°30	1°20	24°30	25°12	28°R46	23°R36	13°42	12°R21	23°44	2°V21	M12
T 13	19 21 8	19°53'24	16°55	1° 7	19°49	12°12	1°13	24°26	25°12	28°R47	23°R38	13°44	12°R18	23°51	2°V20	T 13
W14	19 25 4	20°50'38	29°33	0°36	21° 1	12°53	1° 7	24°23	25°13	28°R49	23°R39	13°45	12°R15	23°57	2°V20	W14
T 15	19 29 1	21°47'51	12°34	0° 2	22°12	13°34	1° 0	24°19	25°13	28°R50	23°R40	13°R46	12°R12	24° 4	2°V20	T 15
F 16	19 32 57	22°45'05	25°59	29°25	23°24	14°16	0°53	24°15	25°14	28°R52	23°R41	13°46	12° 9	24°11	2°V19	F 16
S 17	19 36 54	23°42'19	9°48	28°46	24°36	14°57	0°46	24°12	25°15	28°R53	23°R43	13°43	12° 5	24°18	2°V19	S 17
S 18	19 40 50	24°39'34	23°59	28° 5	25°48	15°38	0°40	24° 8	25°15	28°R55	23°R44	13°39	12° 2	24°24	2°V18	S 18
M19	19 44 47	25°36'49	8°27	27°23	27° 0	16°19	0°34	24° 5	25°16	28°R56	23°R45	13°34	11°59	24°31	2°V17	M19
T 20	19 48 43	26°34'05	23° 8	26°41	28°11	17° 0	0°27	24° 2	25°17	28°R57	23°R47	13°27	11°56	24°38	2°V17	T 20
W21	19 52 40	27°31'22	7°52	25°59	29°23	17°40	0°21	23°58	25°18	28°R59	23°R48	13°21	11°53	24°44	2°V16	W21
T 22	19 56 37	28°28'39	22°33	25°19	0°36	18°21	0°15	23°55	25°19	29° 0	23°50	13°16	11°49	24°51	2°V15	T 22
F 23	20 0 33	29°25'57	7°V 4	24°41	1°48	19° 2	0° 9	23°52	25°20	29° 2	23°51	13°12	11°46	24°58	2°V14	F 23
S 24	20 4 30	0°23'17	21°21	24° 5	3° 0	19°42	0° 4	23°49	25°21	29° 3	23°53	13°10	11°43	25° 5	2°V13	S 24
S 25	20 8 26	1°20'37	5°22	23°33	4°12	20°22	29°58	23°46	25°22	29° 4	23°54	13°D 9	11°40	25°11	2°V12	S 25
M26	20 12 23	2°17'58	19° 7	23° 5	5°24	21° 2	29°53	23°43	25°23	29° 5	23°56	13°10	11°37	25°18	2°V11	M26
T 27	20 16 19	3°15'21	2°35	22°42	6°37	21°42	29°47	23°40	25°24	29° 7	23°57	13°11	11°34	25°25	2°V10	T 27
W28	20 20 16	4°12'45	15°49	22°24	7°49	22°22	29°42	23°37	25°25	29° 8	23°59	13°R12	11°30	25°31	2° 9	W28
T 29	20 24 12	5°10'09	28°49	22°11	9° 1	23° 2	29°37	23°34	25°26	29° 9	24° 0	13°10	11°27	25°38	2° 8	T 29
F 30	20 28 9	6° 7'35	11°37	22° 4	10°14	23°42	29°32	23°32	25°28	29°10	24° 2	13° 7	11°24	25°45	2° 7	F 30
S 31	20 32 6	7°5'02	24°14	22°D 3	11°26	24°R21	29°R27	23°R29	25°R29	29°R11	24°R 4	13°R 1	11°R21	25°R52	2°V 5	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	23n12	23n30	0n28	18n30	1s22	19n42	1s35	11n27	1s26	23s20	0n 7	22s14	1n10	9s15	0n33	18n14
F 2	23 9	25 5	1 38	18 10	1 37	19 56	1 33	11 42	1 25	23 21	0 6	22 14	1 9	9 15	0 33	18 14
S 3	23 4	25 17	2 42	17 52	1 52	20 10	1 31	11 56	1 25	23 21	0 6	22 14	1 9	9 15	0 33	18 14
S 4	23 0	24 9	3 37	17 34	2 7	20 23	1 28	12 11	1 25	23 21	0 6	22 14	1 9	9 15	0 33	18 15
M 5	22 55	21 49	4 20	17 17	2 22	20 36	1 26	12 25	1 24	23 22	0 6	22 14	1 9	9 15	0 33	18 15
T 6	22 49	18 33	4 51	17 1	2 37	20 48	1 24	12 39	1 24	23 22	0 6	22 14	1 9	9 15	0 33	18 15
W 7	22 43	14 33	5 8	16 47	2 52	21 0	1 22	12 53	1 23	23 22	0 6	22 14	1 9	9 15	0 33	18 16
T 8	22 37	10 1	5 12	16 34	3 7	21 11	1 19	13 7	1 23	23 22	0 5	22 14	1 9	9 15	0 33	18 16
F 9	22 30	5 9	5 2	16 22	3 21	21 22	1 17	13 21	1 23	23 23	0 5	22 14	1 9	9 15	0 33	18 16
S 10	22 23	0 6	4 39	16 12	3 35	21 32	1 14	13 34	1 22	23 23	0 5	22 14	1 9	9 15	0 33	18 17
S 11	22 16	4s59	4 4	16 3	3 48	21 41	1 12	13 48	1 22	23 23	0 5	22 13	1 8	9 15	0 33	18 17
M12	22 8	9 58	3 17	15 56	4 0	21 50	1 9	14 1	1 21	23 23	0 5	22 13	1 8	9 16	0 33	18 17
T 13	22 0	14 40	2 21	15 50	4 12	21 58	1 7	14 14	1 21	23 23	0 5	22 13	1 8	9 16	0 33	18 18
W14	21 51	18 50	1 17	15 47	4 22	22 6	1 4	14 27	1 20	23 24	0 5	22 13	1 8	9 16	0 33	18 18
T 15	21 42	22 14	0 7	15 45	4 32	22 13	1 2	14 40	1 20	23 24	0 4	22 13	1 8	9 16	0 32	18 18
F 16	21 33	24 31	1s 6	15 44	4 40	22 20	0 59	14 53	1 19	23 24	0 4	22 13	1 8	9 16	0 32	18 18
S 17	21 24	25 23	2 16	15 46	4 46	22 26	0 56	15 5	1 19	23 24	0 4	22 13	1 8	9 17	0 32	18 19
S 18	21 14	24 38	3 20	15 49	4 51	22 31	0 54	15 18	1 18	23 24	0 4	22 13	1 7	9 17	0 32	18 19
M19	21 3	22 14	4 13	15 54	4 55	22 36	0 51	15 30	1 18	23 25	0 4	22 13	1 7	9 17	0 32	18 19
T 20	20 52	18 23	4 49	16 0	4 56	22 40	0 48	15 42	1 17	23 25	0 4	22 13	1 7	9 18	0 32	18 19
W21	20 41	13 22	5 7	16 8	4 56	22 43	0 45	15 54	1 17	23 25	0 4	22 13	1 7	9 18	0 32	18 20
T 22	20 30	7 37	5 4	16 17	4 54	22 46	0 43	16 6	1 16	23 25	0 3	22 13	1 7	9 18	0 32	18 20
F 23	20 18	1 31	4 42	16 27	4 51	22 48	0 40	16 18	1 15	23 25	0 3	22 13	1 7	9 19	0 32	18 20
S 24	20 6	4n35	4 3	16 38	4 45	22 49	0 37	16 29	1 15	23 25	0 3	22 13	1 7	9 19	0 32	18 20
S 25	19 53	10 21	3 9	16 50	4 39	22 50	0 34	16 41	1 14	23 26	0 3	22 13	1 6	9 20	0 32	18 21
M26	19 41	15 30	2 6	17 3	4 30	22 50	0 32	16 52	1 14	23 26	0 3	22 13	1 6	9 20	0 32	18 21
T 27	19 28	19 47	0 57	17 17	4 20	22 50	0 29	17 3	1 13	23 26	0 3	22 13	1 6	9 20	0 32	18 21
W28	19 14	22 57	0n14	17 31	4 9	22 49	0 26	17 14	1 12	23 26	0 3	22 13	1 6	9 21	0 32	18 21
T 29	19 0	24 51	1 23	17 45	3 57	22 47	0 23	17 24	1 12	23 26	0 2	22 13	1 6	9 21	0 32	18 22
F 30	18 46	25 24	2 26	17 59	3 44	22 45	0 20	17 35	1 11	23 26	0 2	22 13	1 6	9 22	0 32	18 22
S 31	18n32	24n36	3n22	18n13	3s30	22n41	0s18	17n45	1s10	23s26	0n 2	22s13	1n 6	9s22	0n32	18n22

Julian Day Number = 2350553.5, Delta T = 10.54 sec  
Ecliptic obliquity = 23°28'33", Nutation = - 0°00'16", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°52'49", Lahiri = 19°59'49"Greg. Calendar



ASTRODIENST EPHEMERIS for the year 1723  
geocentric

AUGUST 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 36 2	8♌ 2'30	6♌41	22♍9	12♍39	25♌1	29°R23	23°R26	25♌31	29♌12	24♍5	12°R53	11♌18	25♍58	2°R 4	S 1
M 2	20 39 59	8°59'59	18°58	22°21	13°51	25°40	29♌18	23♌24	25°32	29°13	24° 7	12♌43	11°15	26° 5	2°Y 3	M 2
T 3	20 43 55	9°57'28	1♍6	22°40	15° 4	26°19	29°14	23°22	25°34	29°14	24° 9	12°33	11°11	26°12	2° 1	T 3
W 4	20 47 52	10°54'59	13° 6	23° 5	16°17	26°58	29°10	23°19	25°35	29°15	24°11	12°22	11° 8	26°18	2° 0	W 4
T 5	20 51 48	11°52'31	25° 0	23°37	17°29	27°37	29° 6	23°17	25°37	29°16	24°12	12°13	11° 5	26°25	1°58	T 5
F 6	20 55 45	12°50'03	6♌51	24°16	18°42	28°16	29° 2	23°15	25°38	29°17	24°14	12° 5	11° 2	26°32	1°57	F 6
S 7	20 59 41	13°47'36	18°42	25° 1	19°55	28°54	28°59	23°13	25°40	29°18	24°16	12° 0	10°59	26°39	1°55	S 7
S 8	21 3 38	14°45'10	0♍37	25°53	21° 8	29°33	28°55	23°11	25°42	29°19	24°18	11°57	10°55	26°45	1°53	S 8
M 9	21 7 35	15°42'46	12°41	26°52	22°21	0♍11	28°52	23° 9	25°44	29°20	24°20	11°D55	10°52	26°52	1°52	M 9
T 10	21 11 31	16°40'22	24°58	27°56	23°34	0°49	28°49	23° 8	25°46	29°20	24°21	11°56	10°49	26°59	1°50	T 10
W11	21 15 28	17°37'59	7♌35	29° 6	24°47	1°27	28°46	23° 6	25°47	29°21	24°23	11°R56	10°46	27° 6	1°48	W11
T 12	21 19 24	18°35'37	20°35	0♌23	26° 0	2° 5	28°44	23° 4	25°49	29°22	24°25	11°56	10°43	27°12	1°46	T 12
F 13	21 23 21	19°33'16	4♌1	1°44	27°13	2°42	28°41	23° 3	25°51	29°23	24°27	11°54	10°40	27°19	1°44	F 13
S 14	21 27 17	20°30'57	17°57	3°11	28°26	3°20	28°39	23° 1	25°53	29°23	24°29	11°50	10°36	27°26	1°43	S 14
S 15	21 31 14	21°28'38	2♌20	4°43	29°39	3°57	28°37	23° 0	25°56	29°24	24°31	11°43	10°33	27°32	1°41	S 15
M16	21 35 10	22°26'21	17° 6	6°19	0♌52	4°34	28°35	22°59	25°58	29°24	24°33	11°34	10°30	27°39	1°39	M16
T 17	21 39 7	23°24'05	2♌7	7°59	2° 6	5°11	28°33	22°58	26° 0	29°25	24°35	11°24	10°27	27°46	1°37	T 17
W18	21 43 4	24°21'50	17°15	9°43	3°19	5°48	28°31	22°57	26° 2	29°26	24°37	11°14	10°24	27°53	1°35	W18
T 19	21 47 0	25°19'37	2°Y18	11°30	4°32	6°25	28°30	22°56	26° 4	29°26	24°39	11° 5	10°21	27°59	1°32	T 19
F 20	21 50 57	26°17'25	17° 8	13°20	5°46	7° 1	28°29	22°55	26° 7	29°27	24°41	10°58	10°17	28° 6	1°30	F 20
S 21	21 54 53	27°15'15	1♌38	15°12	6°59	7°38	28°28	22°54	26° 9	29°27	24°43	10°54	10°14	28°13	1°28	S 21
S 22	21 58 50	28°13'07	15°45	17° 6	8°12	8°14	28°27	22°54	26°11	29°27	24°45	10°52	10°11	28°19	1°26	S 22
M23	22 2 46	29°11'01	29°29	19° 2	9°26	8°50	28°26	22°53	26°14	29°28	24°47	10°D51	10° 8	28°26	1°24	M23
T 24	22 6 43	0♍6	12♌50	20°59	10°40	9°26	28°26	22°53	26°16	29°28	24°49	10°R51	10° 5	28°33	1°21	T 24
W25	22 10 39	1° 6'55	25°53	22°57	11°53	10° 1	28°25	22°52	26°19	29°28	24°51	10°51	10° 1	28°40	1°19	W25
T 26	22 14 36	2° 4'54	8♌38	24°55	13° 7	10°37	28°D25	22°52	26°21	29°29	24°53	10°48	9°58	28°46	1°17	T 26
F 27	22 18 33	3° 2'56	21°11	26°53	14°21	11°12	28°25	22°52	26°24	29°29	24°56	10°43	9°55	28°53	1°14	F 27
S 28	22 22 29	4° 0'59	3♌33	28°51	15°34	11°47	28°26	22°D52	26°26	29°29	24°58	10°35	9°52	29° 0	1°12	S 28
S 29	22 26 26	4°59'04	15°46	0♍49	16°48	12°22	28°26	22°52	26°29	29°29	25° 0	10°24	9°49	29° 6	1°10	S 29
M30	22 30 22	5°57'10	2°47	18° 2	12°57	12°57	28°27	22°52	26°32	29°29	25° 2	10°11	9°46	29°13	1° 7	M30
T 31	22 34 19	6♍55'19	9♍52	4♍44	19♌16	13♌31	28♌28	22♌52	26♌34	29♌30	25♍4	9♌57	9♌42	29♍20	1°Y 5	T 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
S 1	18n17	22n36	4n 6	18n27	3s15	22n38	0s15	17n55	1s10	23s26	0n 2	22s13	1n 5	9s23	0n32	18n22	1s41	16n44	15n43	22n23	22n10	6n10	3n56	3n24					
M 2	18 2	19 34	4 39	18 40	2 59	22 33	0 12	18 5	1 9	23 27	0 2	22 14	1 5	9 24	0 32	18 22	1 41	16 44	15 43	22 21	22 10	6 7	3 56	3 24					
T 3	17 47	15 44	4 58	18 53	2 44	22 28	0 9	18 15	1 8	23 27	0 2	22 14	1 5	9 24	0 32	18 22	1 41	16 43	15 43	22 20	22 9	6 4	3 55	3 24					
W 4	17 31	11 19	5 4	19 4	2 27	22 22	0 7	18 25	1 7	23 27	0 2	22 14	1 5	9 25	0 32	18 23	1 41	16 42	15 42	22 19	22 9	6 2	3 55	3 24					
T 5	17 15	6 31	4 56	19 15	2 11	22 16	0 4	18 35	1 7	23 27	0 1	22 14	1 5	9 25	0 32	18 23	1 41	16 41	15 42	22 18	22 8	5 59	3 54	3 24					
F 6	16 59	1 30	4 36	19 25	1 55	22 9	0 1	18 44	1 6	23 27	0 1	22 14	1 5	9 26	0 32	18 23	1 41	16 40	15 42	22 16	22 8	5 56	3 54	3 24					
S 7	16 43	3s34	4 4	19 33	1 38	22 1	0n 2	18 53	1 5	23 27	0 1	22 14	1 4	9 27	0 32	18 23	1 41	16 39	15 42	22 16	22 7	5 53	3 53	3 24					
S 8	16 26	8 34	3 22	19 39	1 22	21 53	0 4	19 2	1 4	23 27	0 1	22 14	1 4	9 27	0 32	18 23	1 41	16 38	15 41	22 15	22 7	5 50	3 53	3 24					
M 9	16 9	13 18	2 29	19 44	1 6	21 44	0 7	19 11	1 4	23 27	0 1	22 14	1 4	9 28	0 32	18 23	1 41	16 37	15 41	22 15	22 7	5 47	3 52	3 25					
T 10	15 52	17 36	1 29	19 47	0 50	21 35	0 10	19 20	1 3	23 27	0 1	22 14	1 4	9 29	0 32	18 23	1 41	16 36	15 41	22 15	22 6	5 44	3 51	3 25					
W11	15 34	21 14	0 23	19 48	0 35	21 24	0 12	19 28	1 2	23 28	0 1	22 14	1 4	9 30	0 32	18 24	1 41	16 35	15 41	22 15	22 6	5 41	3 51	3 25					
T 12	15 17	23 54	0s46	19 46	0 20	21 14	0 15	19 37	1 1	23 28	0 1	22 14	1 4	9 30	0 31	18 24	1 41	16 34	15 40	22 15	22 5	5 38	3 50	3 25					
F 13	14 59	25 19	1 55	19 42	0 6	21 2	0 18	19 45	1 0	23 28	0 0	22 14	1 3	9 31	0 31	18 24	1 42	16 33	15 40	22 15	22 5	5 35	3 49	3 25					
S 14	14 40	25 13	2 59	19 36	0n 7	20 50	0 20	19 53	0 59	23 28	0 0	22 14	1 3	9 32	0 31	18 24	1 42	16 32	15 40	22 14	22 4	5 33	3 49	3 25					
S 15	14 22	23 28	3 54	19 26	0 20	20 38	0 23	20 1	0 59	23 28	0 0	22 14	1 3	9 33	0 31	18 24	1 42	16 31	15 40	22 14	22 4	5 30	3 48	3 25					
M16	14 3	20 6	4 35	19 14	0 32	20 24	0 25	20 8	0 58	23 28	0s 0	22 15	1 3	9 33	0 31	18 24	1 42	16 30	15 39	22 12	22 3	5 27	3 47	3 25					
T 17	13 44	15 22	4 58	19 0	0 43	20 10	0 28	20 16	0 57	23 28	0 0	22 15	1 3	9 34	0 31	18 24	1 42	16 29	15 39	22 11	22 3	5 24	3 47	3 25					
W18	13 25	9 38	5 0	18 42	0 53	19 56	0 30	20 23	0 56	23 28	0 0	22 15	1 3	9 35	0 31	18 24	1 42	16 28	15 39	22 10	22 2	5 21	3 46	3 25					
T 19	13 6	3 23	4 41	18 22	1 3	19 41	0 33	20 31	0 55	23 28	0 0	22 15	1 2	9 36	0 31	18 24	1 42	16 27	15 39	22 8	22 2	5 18	3 45	3 25					
F 20	12 46	2n59	4 4	17 59	1 11	19 25	0 35	20 38	0 54	23 29	0 1	22 15	1 2	9 37	0 31	18 24	1 42	16 26	15 39	22 7	22 2	5 15	3 44	3 25					
S 21	12 27	9 4	3 12	17 33	1 19	19 9	0 37	20 45	0 53	23 29	0 1	22 15	1 2	9 38	0 31	18 24	1 42	16 25	15 38	22 7	22 1	5 12	3 43	3 25					
S 22	12 7	14 32	2 9	17 5	1 25	18 53	0 40	20 51	0 52	23 29	0 1	22 15	1 2	9 38	0 31	18 24	1 42	16 24	15 38	22 6	22 1	5 9	3 42	3 25					
M23	11 47	19 6	1 0	16 35	1 31	18 35	0 42	20 58	0 51	23 29	0 1	22 15	1 2	9 39	0 31	18 24	1 42	16 23	15 38	22 6	22 0	5 6	3 42	3 25					
T 24	11 26	22 33	0n11	16 2	1 36	18 18	0 44	21 4	0 50	23 29	0 1	22 16	1 2	9 40	0 31	18 24	1 42	16 22	15 38	22 6	22 0	5 3	3 41	3 25					
W25	11 6	24 43	1 19	15 27	1 40	17 59	0 46	21 11	0 49	23 29	0 1	22 16	1 1	9 41	0 31	18 24	1 42	16 21	15 38	22 6	21 59	5 0	3 40	3 25					
T 26	10 45	25 32	2 21	14 51	1 43	17 41	0 48	21 17	0 48	23 29	0 1	22 16	1 1	9 42	0 31	18 24	1 42	16 20	15 38	22 6	21 59	4 57	3 39	3 25					
F 27	10 24	25 2	3 16	14 13	1 45	17 21	0 50	21 23	0 47	23 29	0 1	22 16	1 1	9 43	0 31	18 24	1 42	16 19	15 37	22 5	21 58	4 55	3 38	3 25					
S 28	10 3	23 17	4 0	13 33	1 46	17 2	0 52	21 28	0 46	23 30	0 2	22 16	1 1	9 44	0 31	18 24	1 42	16 18	15 37	22 4	21 58	4 52	3 37	3 25					
S 29	9 42	20 28	4 33	12 52	1 47	16 41	0 54	21 34	0 45	23 30	0 2	22 16	1 1	9 45	0 31	18 24	1 42	16 17	15 37	22 3	21 57	4 49	3 36	3 25					
M30	9 21	16 48	4 53	12 9	1 47	16 21	0 56	21 39	0 44	23 30	0 2	22 17	1 0	9 46	0 31	18 24	1 42	16 16	15 37	22 1	21 57	4 46	3 35	3 25					
T 31	8n59	12n30	4n59	11n26	1n46	15n59	0n58	21n45	0s43	23s30	0s 2	22s17	1n 0	9s47	0n31	18n24	1s42	16n15	15n37	21n59	21n56	4n43	3n34	3n25					

Julian Day Number = 2350584.5, Delta T = 10.55 sec  
Ecliptic obliquity = 23°28'34", Nutation = - 0°00'15", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°52'53", Lahiri = 19°59'54Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

SEPTEMBER 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 38 15	7♎53'29	21♎47	6♎40	20♎30	14♎5	28♎29	22♎53	26♎37	29♎30	25♎6	9°R43	9♎39	29♎27	1°R 2	W 1
T 2	22 42 12	8°51'40	3♎38	8°35	21°44	14°39	28°30	22°53	26°40	29°30	25° 8	9♎30	9°36	29°33	1°Y 0	T 2
F 3	22 46 8	9°49'53	15°28	10°30	22°58	15°13	28°31	22°53	26°43	29°R30	25°11	9°19	9°33	29°40	0°57	F 3
S 4	22 50 5	10°48'08	27°19	12°23	24°12	15°46	28°33	22°54	26°46	29°30	25°13	9°11	9°30	29°47	0°54	S 4
S 5	22 54 2	11°46'25	9♎14	14°16	25°26	16°20	28°35	22°55	26°49	29°30	25°15	9° 6	9°26	29°53	0°52	S 5
M 6	22 57 58	12°44'43	21°16	16° 7	26°40	16°53	28°37	22°56	26°52	29°29	25°17	9° 3	9°23	0♎0	0°49	M 6
T 7	23 1 55	13°43'03	3♎31	17°57	27°54	17°26	28°39	22°57	26°54	29°29	25°19	9° 3	9°20	0° 7	0°47	T 7
W 8	23 5 51	14°41'24	16° 4	19°46	29° 8	17°58	28°41	22°58	26°57	29°29	25°22	9° 3	9°17	0°14	0°44	W 8
T 9	23 9 48	15°39'47	28°58	21°34	0♎22	18°30	28°44	22°59	27° 1	29°29	25°24	9° 2	9°14	0°20	0°41	T 9
F 10	23 13 44	16°38'11	12♎20	23°21	1°36	19° 3	28°47	23° 0	27° 4	29°29	25°26	9° 0	9°11	0°27	0°39	F 10
S 11	23 17 41	17°36'37	26°11	25° 7	2°51	19°34	28°50	23° 1	27° 7	29°28	25°28	8°56	9° 7	0°34	0°36	S 11
S 12	23 21 37	18°35'05	10♎32	26°52	4° 5	20° 6	28°53	23° 3	27°10	29°28	25°31	8°49	9° 4	0°40	0°33	S 12
M13	23 25 34	19°33'34	25°21	28°35	5°19	20°37	28°56	23° 4	27°13	29°28	25°33	8°40	9° 1	0°47	0°30	M13
T14	23 29 31	20°32'05	10♎29	0♎18	6°34	21° 8	29° 0	23° 6	27°16	29°28	25°35	8°30	8°58	0°54	0°28	T14
W15	23 33 27	21°30'38	25°48	1°59	7°48	21°39	29° 3	23° 7	27°19	29°27	25°37	8°19	8°55	1° 1	0°25	W15
T16	23 37 24	22°29'13	11°Y 6	3°40	9° 2	22°10	29° 7	23° 9	27°23	29°27	25°40	8° 9	8°52	1° 7	0°22	T16
F17	23 41 20	23°27'50	26°12	5°19	10°17	22°40	29°11	23°11	27°26	29°26	25°42	8° 2	8°48	1°14	0°19	F17
S18	23 45 17	24°26'29	10♎57	6°58	11°31	23°10	29°15	23°13	27°29	29°26	25°44	7°57	8°45	1°21	0°17	S18
S19	23 49 13	25°25'10	25°17	8°35	12°46	23°40	29°19	23°15	27°32	29°25	25°46	7°55	8°42	1°27	0°14	S19
M20	23 53 10	26°23'54	9♎8	10°12	14° 0	24° 9	29°24	23°17	27°36	29°25	25°49	7°D54	8°39	1°34	0°11	M20
T21	23 57 6	27°22'40	22°33	11°47	15°15	24°38	29°29	23°19	27°39	29°24	25°51	7°R54	8°36	1°41	0° 8	T21
W22	0 1 3	28°21'28	5♎34	13°22	16°29	25° 7	29°33	23°22	27°43	29°24	25°53	7°54	8°32	1°48	0° 5	W22
T23	0 5 0	29°20'19	18°14	14°56	17°44	25°35	29°38	23°24	27°46	29°23	25°55	7°53	8°29	1°54	0° 3	T23
F24	0 8 56	0♎19'11	0♎39	16°28	18°59	26° 3	29°44	23°27	27°49	29°22	25°58	7°49	8°26	2° 1	29♎59	F24
S25	0 12 53	1°18'06	12°52	18° 0	20°13	26°31	29°49	23°29	27°53	29°21	26° 0	7°42	8°23	2° 8	29°57	S25
S26	0 16 49	2°17'03	24°56	19°31	21°28	26°58	29°55	23°32	27°56	29°21	26° 2	7°33	8°20	2°14	29°54	S26
M27	0 20 46	3°16'03	6♎54	21° 1	22°43	27°26	0♎0	23°35	28° 0	29°20	26° 4	7°22	8°17	2°21	29°51	M27
T28	0 24 42	4°15'04	18°48	22°31	23°58	27°52	0° 6	23°38	28° 3	29°19	26° 7	7°10	8°13	2°28	29°48	T28
W29	0 28 39	5°14'08	0♎40	23°59	25°12	28°19	0°12	23°40	28° 7	29°18	26° 9	6°57	8°10	2°34	29°46	W29
T30	0 32 35	6♎13'13	12♎31	25♎26	26♎27	28♎45	0♎18	23♎44	28♎10	29♎18	26♎11	6♎46	8♎7	2♎41	29♎43	T30

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
W 1	8n37	7n45	4n53	10n42	1n45	15n38	1n 0	21n50	0s42	23s30	0s 2	22s17	1n 0	9s48	0n31	18n24	1s43	16n14	15n37	21n57	21n56	4n40	3n33	3n25	
T 2	8 16	2 44	4 34	9 57	1 43	15 16	1 2	21 55	0 41	23 30	0 2	22 17	1 0	9 49	0 31	18 24	1 43	16 13	15 37	21 55	21 55	4 37	3 32	3 25	
F 3	7 54	2s22	4 3	9 11	1 40	14 53	1 4	22 0	0 40	23 30	0 2	22 17	1 0	9 50	0 31	18 24	1 43	16 12	15 37	21 53	21 55	4 34	3 31	3 25	
S 4	7 32	7 24	3 21	8 25	1 37	14 30	1 5	22 5	0 38	23 30	0 2	22 18	1 0	9 51	0 31	18 24	1 43	16 11	15 37	21 52	21 55	4 31	3 30	3 25	
S 5	7 9	12 13	2 31	7 39	1 34	14 7	1 7	22 9	0 37	23 31	0 2	22 18	0 59	9 52	0 31	18 24	1 43	16 10	15 36	21 51	21 54	4 28	3 29	3 25	
M 6	6 47	16 37	1 33	6 52	1 30	13 43	1 8	22 14	0 36	23 31	0 3	22 18	0 59	9 53	0 31	18 24	1 43	16 9	15 36	21 51	21 54	4 25	3 28	3 25	
T 7	6 25	20 25	0 29	6 5	1 26	13 19	1 10	22 18	0 35	23 31	0 3	22 18	0 59	9 55	0 31	18 24	1 43	16 9	15 36	21 50	21 53	4 22	3 27	3 25	
W 8	6 2	23 22	0s37	5 18	1 21	12 54	1 11	22 22	0 34	23 31	0 3	22 18	0 59	9 56	0 31	18 24	1 43	16 8	15 36	21 50	21 53	4 19	3 26	3 25	
T 9	5 40	25 12	1 43	4 31	1 16	12 30	1 13	22 26	0 33	23 31	0 3	22 19	0 59	9 57	0 31	18 24	1 43	16 7	15 36	21 50	21 52	4 16	3 25	3 25	
F 10	5 17	25 40	2 46	3 44	1 11	12 4	1 14	22 30	0 31	23 31	0 3	22 19	0 59	9 58	0 31	18 24	1 43	16 6	15 36	21 50	21 52	4 13	3 24	3 25	
S 11	4 54	24 34	3 42	2 57	1 5	11 39	1 15	22 34	0 30	23 31	0 3	22 19	0 58	9 59	0 31	18 23	1 43	16 5	15 36	21 49	21 51	4 10	3 23	3 25	
S 12	4 31	21 52	4 25	2 10	1 0	11 13	1 16	22 38	0 29	23 32	0 3	22 19	0 58	10 0	0 31	18 23	1 43	16 4	15 36	21 48	21 51	4 7	3 22	3 25	
M13	4 8	17 41	4 53	1 23	0 54	10 47	1 18	22 41	0 27	23 32	0 3	22 20	0 58	10 1	0 31	18 23	1 43	16 3	15 36	21 47	21 50	4 4	3 20	3 25	
T14	3 45	12 17	5 1	0 36	0 47	10 20	1 19	22 45	0 26	23 32	0 4	22 20	0 58	10 2	0 31	18 23	1 43	16 2	15 36	21 45	21 50	4 1	3 19	3 25	
W15	3 22	6 4	4 47	0s10	0 41	9 53	1 20	22 48	0 25	23 32	0 4	22 20	0 58	10 4	0 31	18 23	1 43	16 1	15 36	21 44	21 49	3 58	3 18	3 25	
T16	2 59	0n31	4 13	0 56	0 34	9 26	1 21	22 51	0 23	23 32	0 4	22 20	0 58	10 5	0 31	18 23	1 43	16 0	15 36	21 42	21 49	3 55	3 17	3 25	
F17	2 36	7 0	3 22	1 42	0 28	8 59	1 21	22 54	0 22	23 32	0 4	22 21	0 57	10 6	0 31	18 23	1 43	15 59	15 36	21 41	21 48	3 52	3 16	3 25	
S18	2 13	12 57	2 18	2 27	0 21	8 31	1 22	22 57	0 21	23 32	0 4	22 21	0 57	10 7	0 30	18 23	1 43	15 59	15 36	21 40	21 48	3 49	3 15	3 25	
S19	1 49	18 2	1 6	3 12	0 14	8 3	1 23	23 0	0 19	23 33	0 4	22 21	0 57	10 8	0 30	18 22	1 43	15 58	15 36	21 40	21 47	3 46	3 14	3 25	
M20	1 26	21 58	0n 7	3 56	0 7	7 35	1 24	23 3	0 18	23 33	0 4	22 22	0 57	10 10	0 30	18 22	1 44	15 57	15 36	21 40	21 47	3 43	3 12	3 25	
T21	1 3	24 33	1 17	4 40	0s 0	7 7	1 24	23 6	0 16	23 33	0 4	22 22	0 57	10 11	0 30	18 22	1 44	15 56	15 36	21 40	21 46	3 40	3 11	3 25	
W22	0 39	25 43	2 21	5 24	0 8	6 39	1 25	23 8	0 15	23 33	0 4	22 22	0 57	10 12	0 30	18 22	1 44	15 55	15 36	21 40	21 46	3 37	3 10	3 25	
T23	0 16	25 29	3 17	6 7	0 15	6 10	1 25	23 11	0 14	23 33	0 4	22 22	0 56	10 13	0 30	18 22	1 44	15 54	15 37	21 39	21 45	3 34	3 9	3 25	
F24	0s 8	23 58	4 2	6 50	0 22	5 41	1 26	23 13	0 12	23 33	0 5	22 23	0 56	10 15	0 30	18 22	1 44	15 54	15 37	21 39	21 45	3 31	3 8	3 25	
S25	0 31	21 22	4 35	7 32	0 30	5 12	1 26	23 15	0 11	23 33	0 5	22 23	0 56	10 16	0 30	18 21	1 44	15 53	15 37	21 38	21 44	3 28	3 6	3 25	
S26	0 55	17 52	4 55	8 13	0 37	4 43	1 26	23 18	0 9	23 33	0 5	22 23	0 56	10 17	0 30	18 21	1 44	15 52	15 37	21 36	21 44	3 25	3 5	3 25	
M27	1 18	13 40	5 2	8 54	0 44	4 13	1 27	23 20	0 7	23 33	0 5	22 24	0 56	10 18	0 30	18 21	1 44	15 51	15 37	21 34	21 43	3 22	3 4	3 24	
T28	1 42	8 59	4 56	9 34	0 52	3 44	1 27	23 22	0 6	23 34	0 5	22 24	0 56	10 20	0 30	18 21	1 44	15 50	15 37	21 32	21 43	3 19	3 3	3 24	
W29	2 5	3 59	4 37	10 14	0 59	3 14	1 27	23 24	0 4	23 34	0 5	22 24	0 55	10 21	0 30	18 20	1 44	15 50	15 37	21 30	21 42	3 16	3 2	3 24	
T30	2s28	1s10	4n 7	10s53	1s 6	2n44	1n27	23n26	0s 3	23s34	0s 5	22s24	0n55	10s22	0n30	18n20	1s44	15n49	15n37	21n28	21n42	3n13	3n 0	3n24	

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

OCTOBER 1723

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 36 32	7♏12'21	24♏23	26♏53	27♏42	29♏10	0♏24	23♏47	28♏14	29♏17	26♏13	6♏R37	8♏ 4	2♏48	29♏R40	F 1
S 2	0 40 28	8♏11'31	6♏17	28°18	28°57	29°35	0°31	23°50	28°18	29°16	26°16	6♏I30	8° 1	2°55	29°37	S 2
S 3	0 44 25	9°10'42	18°16	29°43	0♏12	0♏ 0	0°38	23°53	28°21	29°15	26°18	6°26	7°57	3° 1	29°35	S 3
M 4	0 48 22	10° 9'56	0♏23	1♏ 6	1°27	0°25	0°44	23°57	28°25	29°14	26°20	6°24	7°54	3° 8	29°32	M 4
T 5	0 52 18	11° 9'11	12°41	2°29	2°42	0°49	0°51	24° 0	28°28	29°13	26°22	6°D24	7°51	3°15	29°29	T 5
W 6	0 56 15	12° 8'29	25°14	3°50	3°57	1°12	0°58	24° 4	28°32	29°12	26°24	6°25	7°48	3°21	29°26	W 6
T 7	1 0 11	13° 7'48	8♏ 6	5°11	5°12	1°35	1° 6	24° 7	28°36	29°11	26°27	6°R26	7°45	3°28	29°24	T 7
F 8	1 4 8	14° 7'09	21°21	6°30	6°27	1°58	1°13	24°11	28°39	29°10	26°29	6°25	7°42	3°35	29°21	F 8
S 9	1 8 4	15° 6'31	5♏ 3	7°48	7°42	2°21	1°21	24°15	28°43	29° 9	26°31	6°23	7°38	3°42	29°18	S 9
S 10	1 12 1	16° 5'56	19°13	9° 5	8°57	2°42	1°28	24°19	28°47	29° 7	26°33	6°20	7°35	3°48	29°16	S 10
M 11	1 15 57	17° 5'22	3♏50	10°20	10°12	3° 4	1°36	24°23	28°50	29° 6	26°35	6°14	7°32	3°55	29°13	M 11
T 12	1 19 54	18° 4'49	18°48	11°34	11°27	3°25	1°44	24°27	28°54	29° 5	26°37	6° 7	7°29	4° 2	29°10	T 12
W 13	1 23 51	19° 4'19	4♏ 0	12°46	12°42	3°45	1°52	24°31	28°58	29° 4	26°40	5°59	7°26	4° 8	29° 8	W 13
T 14	1 27 47	20° 3'51	19°17	13°57	13°57	4° 5	2° 0	24°35	29° 2	29° 3	26°42	5°53	7°23	4°15	29° 5	T 14
F 15	1 31 44	21° 3'24	4♏26	15° 6	15°12	4°25	2° 9	24°39	29° 5	29° 2	26°44	5°48	7°19	4°22	29° 3	F 15
S 16	1 35 40	22° 3'00	19°19	16°12	16°27	4°44	2°17	24°44	29° 9	29° 0	26°46	5°45	7°16	4°29	29° 0	S 16
S 17	1 39 37	23° 2'38	3♏49	17°17	17°42	5° 2	2°26	24°48	29°13	28°59	26°48	5°D43	7°13	4°35	28°58	S 17
M 18	1 43 33	24° 2'19	17°50	18°19	18°57	5°20	2°34	24°53	29°17	28°58	26°50	5°44	7°10	4°42	28°55	M 18
T 19	1 47 30	25° 2'01	1♏24	19°18	20°13	5°37	2°43	24°57	29°20	28°56	26°52	5°45	7° 7	4°49	28°53	T 19
W 20	1 51 26	26° 1'46	14°31	20°15	21°28	5°54	2°52	25° 2	29°24	28°55	26°54	5°47	7° 3	4°55	28°50	W 20
T 21	1 55 23	27° 1'33	27°15	21° 8	22°43	6°10	3° 1	25° 7	29°28	28°54	26°56	5°R47	7° 0	5° 2	28°48	T 21
F 22	1 59 20	28° 1'23	9♏40	21°57	23°58	6°26	3°11	25°11	29°32	28°52	26°58	5°46	6°57	5° 9	28°45	F 22
S 23	2 3 16	29° 1'14	21°51	22°43	25°13	6°41	3°20	25°16	29°35	28°51	27° 0	5°44	6°54	5°15	28°43	S 23
S 24	2 7 13	0♏ 1'08	3♏51	23°24	26°29	6°55	3°29	25°21	29°39	28°49	27° 2	5°40	6°51	5°22	28°41	S 24
M 25	2 11 9	1° 1'04	15°45	24° 0	27°44	7° 9	3°39	25°26	29°43	28°48	27° 4	5°34	6°48	5°29	28°39	M 25
T 26	2 15 6	2° 1'02	27°36	24°31	28°59	7°22	3°49	25°31	29°47	28°46	27° 6	5°28	6°44	5°36	28°36	T 26
W 27	2 19 2	3° 1'02	9♏27	24°55	0♏14	7°35	3°59	25°36	29°50	28°45	27° 8	5°22	6°41	5°42	28°34	W 27
T 28	2 22 59	4° 1'04	21°20	25°13	1°30	7°47	4° 8	25°41	29°54	28°43	27°10	5°16	6°38	5°49	28°32	T 28
F 29	2 26 55	5° 1'08	3♏17	25°24	2°45	7°58	4°19	25°47	29°58	28°42	27°12	5°11	6°35	5°56	28°30	F 29
S 30	2 30 52	6° 1'14	15°20	25°R27	4° 0	8° 9	4°29	25°52	0♏ 2	28°40	27°14	5° 8	6°32	6° 2	28°28	S 30
S 31	2 34 49	7♏ 1'22	27♏29	25♏21	5♏16	8♏18	4♏39	25♏57	0♏ 5	28♏39	27♏16	5♏ 7	6♏29	6♏ 9	28♏26	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	2s52	6s17	3n25	11s31	1s13	2n15	1n27	23n27	0s 1	23s34	0s 5	22s25	0n55	10s23	0n30	18n20	1s44	15n48	15n37	21n27	21n41	3n10	2n59	3n24	
S 2	3 15	11 13	2 34	12 8	1 20	1 45	1 27	23 29	0n 1	23 34	0 5	22 25	0 55	10 25	0 30	18 20	1 44	15 47	15 37	21 26	21 41	3 7	2 58	3 24	
S 3	3 39	15 46	1 36	12 45	1 27	1 15	1 27	23 31	0 2	23 34	0 5	22 25	0 55	10 26	0 30	18 20	1 44	15 46	15 38	21 25	21 40	3 4	2 57	3 24	
M 4	4 2	19 44	0 32	13 21	1 34	0 45	1 26	23 33	0 4	23 34	0 6	22 26	0 55	10 27	0 30	18 19	1 44	15 46	15 38	21 25	21 40	3 1	2 56	3 24	
T 5	4 25	22 55	0s34	13 56	1 41	0 14	1 26	23 34	0 6	23 34	0 6	22 26	0 55	10 29	0 30	18 19	1 44	15 45	15 38	21 25	21 39	2 58	2 54	3 24	
W 6	4 48	25 3	1 39	14 31	1 48	0s16	1 26	23 36	0 8	23 34	0 6	22 26	0 54	10 30	0 30	18 19	1 44	15 44	15 38	21 25	21 39	2 55	2 53	3 24	
T 7	5 12	25 55	2 42	15 4	1 55	0 46	1 25	23 37	0 9	23 34	0 6	22 27	0 54	10 31	0 30	18 19	1 44	15 44	15 38	21 25	21 38	2 52	2 52	3 23	
F 8	5 35	25 22	3 38	15 37	2 1	1 16	1 25	23 39	0 11	23 34	0 6	22 27	0 54	10 33	0 30	18 18	1 44	15 43	15 39	21 25	21 38	2 49	2 51	3 23	
S 9	5 58	23 17	4 23	16 8	2 7	1 46	1 24	23 40	0 13	23 34	0 6	22 27	0 54	10 34	0 30	18 18	1 44	15 42	15 39	21 25	21 37	2 46	2 50	3 23	
S 10	6 21	19 44	4 54	16 39	2 13	2 16	1 23	23 42	0 15	23 34	0 6	22 28	0 54	10 35	0 30	18 18	1 44	15 42	15 39	21 24	21 37	2 43	2 49	3 23	
M11	6 43	14 53	5 7	17 9	2 19	2 47	1 23	23 43	0 17	23 34	0 6	22 28	0 54	10 37	0 30	18 17	1 44	15 41	15 39	21 23	21 36	2 40	2 47	3 23	
T 12	7 6	9 2	5 0	17 37	2 25	3 17	1 22	23 45	0 19	23 34	0 6	22 28	0 53	10 38	0 30	18 17	1 44	15 40	15 39	21 22	21 36	2 37	2 46	3 23	
W13	7 29	2 34	4 32	18 5	2 30	3 47	1 21	23 46	0 21	23 34	0 6	22 29	0 53	10 39	0 30	18 17	1 45	15 40	15 40	21 20	21 35	2 34	2 45	3 23	
T 14	7 51	4n 6	3 44	18 31	2 35	4 17	1 20	23 47	0 23	23 34	0 7	22 29	0 53	10 41	0 30	18 17	1 45	15 39	15 40	21 19	21 34	2 31	2 44	3 22	
F 15	8 14	10 30	2 41	18 56	2 40	4 47	1 19	23 49	0 24	23 34	0 7	22 29	0 53	10 42	0 30	18 16	1 45	15 38	15 40	21 18	21 34	2 28	2 43	3 22	
S 16	8 36	16 11	1 28	19 20	2 44	5 16	1 18	23 50	0 27	23 34	0 7	22 29	0 53	10 43	0 30	18 16	1 45	15 38	15 40	21 18	21 33	2 25	2 42	3 22	
S 17	8 58	20 47	0 10	19 42	2 48	5 46	1 17	23 51	0 29	23 34	0 7	22 30	0 53	10 45	0 30	18 16	1 45	15 37	15 41	21 18	21 33	2 22	2 40	3 22	
M18	9 20	24 0	1n 5	20 3	2 52	6 16	1 16	23 53	0 31	23 34	0 7	22 30	0 53	10 46	0 30	18 15	1 45	15 37	15 41	21 18	21 32	2 19	2 39	3 22	
T 19	9 42	25 43	2 15	20 23	2 55	6 45	1 15	23 54	0 33	23 34	0 7	22 30	0 52	10 47	0 30	18 15	1 45	15 36	15 41	21 18	21 32	2 16	2 38	3 22	
W 20	10 4	25 55	3 15	20 41	2 57	7 15	1 14	23 55	0 35	23 34	0 7	22 31	0 52	10 49	0 30	18 15	1 45	15 35	15 41	21 18	21 31	2 13	2 37	3 22	
T 21	10 26	24 43	4 4	20 57	2 59	7 44	1 12	23 57	0 37	23 34	0 7	22 31	0 52	10 50	0 30	18 14	1 45	15 35	15 42	21 18	21 31	2 10	2 36	3 21	
F 22	10 47	22 20	4 39	21 11	3 1	8 13	1 11	23 58	0 39	23 34	0 7	22 31	0 52	10 51	0 30	18 14	1 45	15 34	15 42	21 18	21 30	2 7	2 35	3 21	
S 23	11 9	19 0	5 2	21 24	3 1	8 42	1 10	24 0	0 41	23 33	0 7	22 32	0 52	10 53	0 30	18 14	1 45	15 34	15 42	21 18	21 30	2 4	2 34	3 21	
S 24	11 30	14 56	5 11	21 34	3 1	9 10	1 8	24 1	0 44	23 33	0 7	22 32	0 52	10 54	0 30	18 13	1 45	15 33	15 43	21 17	21 29	2 1	2 33	3 21	
M25	11 51	10 20	5 6	21 43	3 0	9 39	1 7	24 3	0 46	23 33	0 8	22 32	0 52	10 55	0 30	18 13	1 45	15 33	15 43	21 16	21 29	1 58	2 32	3 21	
T 26	12 12	5 22	4 48	21 48	2 58	10 7	1 5	24 4	0 48	23 33	0 8	22 33	0 51	10 57	0 30	18 13	1 45	15 32	15 43	21 15	21 28	1 55	2 31	3 21	
W27	12 32	0 12	4 18	21 52	2 55	10 35	1 4	24 6	0 51	23 33	0 8	22 33	0 51	10 58	0 30	18 12	1 45	15 32	15 44	21 14	21 28	1 52	2 30	3 20	
T 28	12 53	4s59	3 37	21 52	2 51	11 3	1 2	24 8	0 53	23 32	0 8	22 33	0 51	10 59	0 30	18 12	1 45	15 31	15 44	21 13	21 27	1 49	2 29	3 20	
F 29	13 13	10 2	2 45	21 50	2 46	11 30	1 0	24 9	0 55	23 32	0 8	22 33	0 51	11 1	0 30	18 12	1 45	15 31	15 44	21 12	21 27	1 46	2 27	3 20	
S 30	13 33	14 46	1 46	21 44	2 39	11 57	0 59	24 11	0 58	23 32	0 8	22 34	0 51	11 2	0 30	18 11	1 45	15 31	15 45	21 11	21 26	1 43	2 26	3 20	
S 31	13s53	18s57	0n42	21s35	2s31	12s24	0n57	24n13	1n 0	23s32	0s 8	22s34	0n51	11s 3	0n30	18n11	1s45	15n30	15n45	21n11	21n25	1n40	2n25	3n20	

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

NOVEMBER 1723

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 38 45	8♈ 1'31	9♈ 48	25°R 6	6♈ 31	8♈ 28	4♈ 49	26♈ 3	0♈ 9	28°R37	27♈ 17	5°D 6	6♈ 25	6♈ 16	28°R24	M 1
T 2	2 42 42	9° 1'43	22°18	24♈ 42	7°46	8°36	5° 0	26° 8	0°13	28°R36	27°19	5°II 7	6°22	6°23	28°R22	T 2
W 3	2 46 38	10° 1'56	5♈ 0	24° 8	9° 1	8°44	5°10	26°14	0°17	28°34	27°21	5° 9	6°19	6°29	28°20	W 3
T 4	2 50 35	11° 2'10	17°59	23°24	10°17	8°51	5°21	26°19	0°20	28°33	27°23	5°11	6°16	6°36	28°18	T 4
F 5	2 54 31	12° 2'26	1♈ 15	22°30	11°32	8°57	5°32	26°25	0°24	28°31	27°25	5°12	6°13	6°43	28°16	F 5
S 6	2 58 28	13° 2'44	14°52	21°28	12°48	9° 2	5°43	26°31	0°28	28°29	27°26	5°R12	6° 9	6°49	28°14	S 6
S 7	3 2 24	14° 3'02	28°50	20°19	14° 3	9° 7	5°54	26°37	0°31	28°28	27°28	5°11	6° 6	6°56	28°12	S 7
M 8	3 6 21	15° 3'23	13♈ 9	19° 3	15°18	9°11	6° 5	26°42	0°35	28°26	27°30	5°10	6° 3	7° 3	28°11	M 8
T 9	3 10 18	16° 3'44	27°46	17°44	16°34	9°14	6°16	26°48	0°39	28°24	27°31	5° 8	6° 0	7° 9	28° 9	T 9
W10	3 14 14	17° 4'07	12♈ 36	16°24	17°49	9°16	6°27	26°54	0°43	28°23	27°33	5° 5	5°57	7°16	28° 8	W10
T 11	3 18 11	18° 4'32	27°34	15° 5	19° 4	9°18	6°39	27° 0	0°46	28°21	27°35	5° 3	5°54	7°23	28° 6	T 11
F 12	3 22 7	19° 4'58	12♈ 29	13°50	20°20	9°R18	6°50	27° 6	0°50	28°19	27°36	5° 1	5°50	7°30	28° 4	F 12
S 13	3 26 4	20° 5'26	27°14	12°41	21°35	9°18	7° 2	27°12	0°53	28°18	27°38	5° 0	5°47	7°36	28° 3	S 13
S 14	3 30 0	21° 5'55	11♈ 42	11°40	22°50	9°17	7°13	27°18	0°57	28°16	27°39	5°D 0	5°44	7°43	28° 2	S 14
M15	3 33 57	22° 6'26	25°47	10°50	24° 6	9°15	7°25	27°25	1° 1	28°14	27°41	5° 1	5°41	7°50	28° 0	M15
T 16	3 37 53	23° 6'59	9♈ 27	10°10	25°21	9°12	7°37	27°31	1° 4	28°13	27°42	5° 2	5°38	7°56	27°59	T 16
W17	3 41 50	24° 7'33	22°42	9°43	26°37	9° 9	7°49	27°37	1° 8	28°11	27°44	5° 3	5°35	8° 3	27°58	W17
T 18	3 45 47	25° 8'10	5♈ 32	9°27	27°52	9° 4	8° 1	27°43	1°11	28° 9	27°45	5° 4	5°31	8°10	27°56	T 18
F 19	3 49 43	26° 8'48	18° 2	9°D22	29° 7	8°59	8°13	27°50	1°15	28° 8	27°47	5° 4	5°28	8°16	27°55	F 19
S 20	3 53 40	27° 9'27	0♈ 15	9°28	0♈ 23	8°53	8°25	27°56	1°18	28° 6	27°48	5°R 5	5°25	8°23	27°54	S 20
S 21	3 57 36	28°10'08	12°16	9°45	1°38	8°46	8°37	28° 2	1°22	28° 4	27°49	5° 4	5°22	8°30	27°53	S 21
M22	4 1 33	29°10'51	24°10	10°10	2°53	8°38	8°49	28° 9	1°25	28° 3	27°51	5° 4	5°19	8°37	27°52	M22
T 23	4 5 29	0♈ 11'36	6♈ 0	10°45	4° 9	8°29	9° 1	28°15	1°29	28° 1	27°52	5° 3	5°15	8°43	27°51	T 23
W24	4 9 26	1°12'22	17°51	11°26	5°24	8°20	9°14	28°22	1°32	27°59	27°53	5° 2	5°12	8°50	27°50	W24
T 25	4 13 22	2°13'09	29°47	12°15	6°40	8° 9	9°26	28°29	1°35	27°57	27°54	5° 2	5° 9	8°57	27°49	T 25
F 26	4 17 19	3°13'58	11♈ 51	13° 9	7°55	7°58	9°39	28°35	1°39	27°56	27°56	5° 2	5° 6	9° 3	27°49	F 26
S 27	4 21 16	4°14'48	24° 4	14° 9	9°11	7°45	9°51	28°42	1°42	27°54	27°57	5° 2	5° 3	9°10	27°48	S 27
S 28	4 25 12	5°15'40	6♈ 28	15°13	10°26	7°32	10° 4	28°48	1°45	27°52	27°58	5° 2	5° 0	9°17	27°47	S 28
M29	4 29 9	6°16'32	19° 5	16°21	11°41	7°18	10°17	28°55	1°49	27°51	27°59	5° 2	4°56	9°23	27°46	M29
T 30	4 33 5	7♈ 17'26	1♈ 55	17♈ 32	12♈ 57	7° 4	10°30	29° 2	1♈ 52	27°49	28° 0	5°II 1	4°II 53	9°23 30	27°46	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	decl	lat
M 1	14s12	22s23	0s26	21s21	2s22	12s51	0n55	24n15	1n 3	23s31	0s 8	22s34	0n51	11s 5	0n30	18n11	1s45	15n30	15n45	21n11	21n25	1n37	2n25	3n19			
T 2	14 32	24 48	1 33	21 5	2 10	13 17	0 53	24 17	1 5	23 31	0 8	22 35	0 51	11 6	0 30	18 10	1 45	15 29	15 46	21 11	21 24	1 34	2 24	3 19			
W 3	14 51	26 0	2 37	20 43	1 57	13 43	0 51	24 19	1 8	23 31	0 8	22 35	0 50	11 7	0 30	18 10	1 45	15 29	15 46	21 11	21 24	1 30	2 23	3 19			
T 4	15 10	25 48	3 34	20 18	1 43	14 9	0 49	24 21	1 10	23 30	0 8	22 35	0 50	11 8	0 30	18 9	1 45	15 29	15 46	21 12	21 23	1 27	2 22	3 19			
F 5	15 28	24 10	4 22	19 49	1 26	14 34	0 47	24 23	1 13	23 30	0 8	22 35	0 50	11 10	0 30	18 9	1 45	15 28	15 47	21 12	21 23	1 24	2 21	3 19			
S 6	15 47	21 6	4 56	19 16	1 8	14 59	0 45	24 25	1 16	23 30	0 9	22 36	0 50	11 11	0 30	18 9	1 45	15 28	15 47	21 12	21 22	1 21	2 20	3 18			
S 7	16 5	16 47	5 13	18 39	0 49	15 24	0 43	24 28	1 18	23 29	0 9	22 36	0 50	11 12	0 30	18 8	1 45	15 28	15 48	21 12	21 22	1 18	2 19	3 18			
M 8	16 23	11 26	5 12	17 59	0 29	15 48	0 41	24 30	1 21	23 29	0 9	22 36	0 50	11 14	0 30	18 8	1 45	15 27	15 48	21 12	21 21	1 15	2 18	3 18			
T 9	16 40	5 20	4 51	17 17	0 9	16 11	0 39	24 33	1 24	23 28	0 9	22 37	0 50	11 15	0 30	18 8	1 45	15 27	15 48	21 11	21 20	1 12	2 17	3 18			
W10	16 58	1n 9	4 10	16 35	0n12	16 35	0 37	24 35	1 26	23 28	0 9	22 37	0 50	11 16	0 30	18 7	1 45	15 27	15 49	21 11	21 20	1 9	2 16	3 18			
T 11	17 14	7 38	3 12	15 52	0 32	16 58	0 35	24 38	1 29	23 28	0 9	22 37	0 49	11 18	0 30	18 7	1 45	15 27	15 49	21 10	21 19	1 6	2 16	3 17			
F 12	17 31	13 41	2 1	15 12	0 52	17 20	0 33	24 41	1 32	23 27	0 9	22 37	0 49	11 19	0 30	18 7	1 45	15 26	15 50	21 10	21 19	1 3	2 15	3 17			
S 13	17 48	18 53	0 43	14 34	1 10	17 42	0 30	24 44	1 35	23 27	0 9	22 38	0 49	11 20	0 30	18 6	1 45	15 26	15 50	21 10	21 18	1 0	2 14	3 17			
S 14	18 4	22 50	0n37	13 59	1 26	18 4	0 28	24 46	1 38	23 26	0 9	22 38	0 49	11 21	0 30	18 6	1 45	15 26	15 51	21 10	21 18	0 57	2 13	3 17			
M15	18 19	25 17	1 53	13 30	1 41	18 25	0 26	24 49	1 40	23 25	0 9	22 38	0 49	11 23	0 30	18 5	1 45	15 26	15 51	21 10	21 17	0 54	2 12	3 16			
T 16	18 35	26 7	2 59	13 5	1 54	18 45	0 23	24 52	1 43	23 25	0 9	22 38	0 49	11 24	0 30	18 5	1 45	15 26	15 52	21 10	21 17	0 51	2 12	3 16			
W17	18 50	25 25	3 55	12 46	2 5	19 5	0 21	24 56	1 46	23 24	0 9	22 38	0 49	11 25	0 30	18 5	1 45	15 25	15 52	21 10	21 16	0 48	2 11	3 16			
T 18	19 5	23 22	4 36	12 33	2 13	19 25	0 19	24 59	1 49	23 24	0 10	22 39	0 49	11 26	0 30	18 4	1 45	15 25	15 52	21 11	21 15	0 45	2 10	3 16			
F 19	19 19	20 15	5 3	12 25	2 20	19 43	0 17	25 2	1 52	23 23	0 10	22 39	0 49	11 27	0 30	18 4	1 45	15 25	15 53	21 11	21 15	0 41	2 10	3 15			
S 20	19 33	16 19	5 16	12 22	2 25	20 2	0 14	25 5	1 55	23 22	0 10	22 39	0 48	11 29	0 30	18 4	1 45	15 25	15 53	21 11	21 14	0 38	2 9	3 15			
S 21	19 47	11 48	5 15	12 24	2 29	20 20	0 12	25 9	1 58	23 22	0 10	22 39	0 48	11 30	0 30	18 3	1 45	15 25	15 54	21 11	21 14	0 35	2 8	3 15			
M22	20 0	6 54	5 0	12 31	2 30	20 37	0 9	25 12	2 1	23 21	0 10	22 40	0 48	11 31	0 30	18 3	1 45	15 25	15 54	21 11	21 13	0 32	2 8	3 15			
T 23	20 13	1 47	4 32	12 41	2 31	20 54	0 7	25 16	2 4	23 20	0 10	22 40	0 48	11 32	0 30	18 2	1 45	15 25	15 55	21 10	21 13	0 29	2 7	3 15			
W24	20 26	3s26	3 53	12 55	2 30	21 10	0 5	25 20	2 7	23 19	0 10	22 40	0 48	11 33	0 30	18 2	1 45	15 25	15 55	21 10	21 12	0 26	2 7	3 14			
T 25	20 38	8 33	3 3	13 11	2 28	21 25	0 2	25 23	2 10	23 19	0 10	22 40	0 48	11 35	0 30	18 2	1 45	15 25	15 56	21 10	21 11	0 23	2 6	3 14			
F 26	20 50	13 26	2 5	13 30	2 25	21 40	0s 0	25 27	2 13	23 18	0 10	22 40	0 48	11 36	0 30	18 1	1 45	15 25	15 56	21 10	21 11	0 20	2 5	3 14			
S 27	21 2	17 50	1 0	13 51	2 22	21 54	0 3	25 31	2 16	23 17	0 10	22 40	0 48	11 37	0 30	18 1	1 45	15 25	15 57	21 10	21 10	0 17	2 5	3 14			
S 28	21 13	21 33	0s 8	14 14	2 17	22 8	0 5	25 34	2 19	23 16	0 10	22 41	0 48	11 38	0 30	18 1	1 45	15 25	15 57	21 10	21 10	0 14	2 4	3 13			
M29	21 23	24 19	1 17	14 38	2 12	22 21	0 7	25 38	2 22	23 15	0 11	22 41	0 48	11 39	0 30	18 0	1 45	15 25	15 58	21 10	21 9	0 11	2 4	3 13			
T 30	21s34	25s51	2s24	15s 3	2n 7	22s33	0s10	25n42	2n25	23s14	0s11	22s41	0n47	11s40	0n30	18n 0	1s45	15n25	15n58	21n10	21n 9	0n 8	2n 3	3n13			

ASTRODIENST EPHEMERIS for the year 1723  
geocentric

DECEMBER 1723

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	4 37 2	8♌18'21	14♋58	18♊46	14♌12	6°R48	10♋42	29♌9	1♊55	27°R47	28♑1	5°R 1	4♒50	9♓37	27°R45	W 1
T 2	4 40 58	9°19'17	28°14	20° 3	15°28	6♋32	10°55	29°15	1°58	27♋46	28° 2	5♒1	4°47	9°44	27°R45	T 2
F 3	4 44 55	10°20'14	11♋44	21°22	16°43	6°15	11° 8	29°22	2° 2	27°44	28° 3	5° 0	4°44	9°50	27°45	F 3
S 4	4 48 51	11°21'11	25°27	22°42	17°59	5°58	11°21	29°29	2° 5	27°42	28° 4	5° 0	4°41	9°57	27°44	S 4
S 5	4 52 48	12°22'09	9♋22	24° 4	19°14	5°39	11°34	29°36	2° 8	27°41	28° 5	4°D59	4°37	10° 4	27°44	S 5
M 6	4 56 45	13°23'07	23°29	25°28	20°29	5°20	11°48	29°43	2°11	27°39	28° 6	4°59	4°34	10°10	27°44	M 6
T 7	5 0 41	14°24'06	7♋47	26°53	21°45	5° 1	12° 1	29°50	2°14	27°38	28° 7	5° 0	4°31	10°17	27°44	T 7
W 8	5 4 38	15°25'06	22°11	28°19	23° 0	4°41	12°14	29°56	2°17	27°36	28° 8	5° 1	4°28	10°24	27°43	W 8
T 9	5 8 34	16°26'06	6♋40	29°45	24°16	4°20	12°27	0♋3	2°20	27°34	28° 8	5° 2	4°25	10°30	27°D43	T 9
F 10	5 12 31	17°27'07	21° 8	1♌13	25°31	3°59	12°41	0°10	2°23	27°33	28° 9	5° 3	4°21	10°37	27°43	F 10
S 11	5 16 27	18°28'08	5♒29	2°41	26°46	3°37	12°54	0°17	2°26	27°31	28°10	5°R 3	4°18	10°44	27°43	S 11
S 12	5 20 24	19°29'11	19°40	4° 9	28° 2	3°15	13° 7	0°24	2°29	27°30	28°11	5° 2	4°15	10°51	27°44	S 12
M13	5 24 21	20°30'14	3♋35	5°38	29°17	2°53	13°21	0°31	2°32	27°28	28°11	5° 1	4°12	10°57	27°44	M13
T 14	5 28 17	21°31'17	17°11	7° 8	0♋33	2°30	13°34	0°38	2°34	27°27	28°12	4°59	4° 9	11° 4	27°44	T 14
W15	5 32 14	22°32'22	0♌26	8°38	1°48	2° 7	13°48	0°45	2°37	27°25	28°12	4°57	4° 6	11°11	27°44	W15
T 16	5 36 10	23°33'27	13°20	10° 8	3° 3	1°44	14° 1	0°52	2°40	27°24	28°13	4°54	4° 2	11°17	27°45	T 16
F 17	5 40 7	24°34'33	25°53	11°39	4°19	1°20	14°15	0°59	2°43	27°22	28°14	4°51	3°59	11°24	27°45	F 17
S 18	5 44 3	25°35'39	8♑10	13°10	5°34	0°57	14°29	1° 6	2°45	27°21	28°14	4°49	3°56	11°31	27°45	S 18
S 19	5 48 0	26°36'47	20°13	14°41	6°49	0°33	14°42	1°13	2°48	27°19	28°15	4°48	3°53	11°37	27°46	S 19
M20	5 51 56	27°37'55	2♌7	16°13	8° 5	0° 9	14°56	1°20	2°50	27°18	28°15	4°D48	3°50	11°44	27°47	M20
T 21	5 55 53	28°39'03	13°58	17°45	9°20	29♒45	15°10	1°28	2°53	27°16	28°15	4°49	3°47	11°51	27°47	T 21
W22	5 59 50	29°40'12	25°49	19°17	10°35	29°22	15°24	1°35	2°55	27°15	28°16	4°50	3°43	11°58	27°48	W22
T 23	6 3 46	0♋41'22	7♊47	20°49	11°51	28°58	15°37	1°42	2°58	27°14	28°16	4°52	3°40	12° 4	27°49	T 23
F 24	6 7 43	1°42'33	19°54	22°22	13° 6	28°34	15°51	1°49	3° 0	27°12	28°16	4°54	3°37	12°11	27°49	F 24
S 25	6 11 39	2°43'44	2♌16	23°55	14°22	28°11	16° 5	1°56	3° 3	27°11	28°17	4°R55	3°34	12°18	27°50	S 25
S 26	6 15 36	3°44'55	14°53	25°28	15°37	27°48	16°19	2° 3	3° 5	27°10	28°17	4°54	3°31	12°24	27°51	S 26
M27	6 19 32	4°46'06	27°49	27° 1	16°52	27°25	16°33	2°10	3° 7	27° 8	28°17	4°52	3°27	12°31	27°52	M27
T 28	6 23 29	5°47'18	11♋2	28°35	18° 8	27° 3	16°47	2°17	3° 9	27° 7	28°17	4°49	3°24	12°38	27°53	T 28
W29	6 27 25	6°48'30	24°31	0♋9	19°23	26°41	17° 1	2°24	3°12	27° 6	28°17	4°44	3°21	12°44	27°54	W29
T 30	6 31 22	7°49'42	8♌15	1°43	20°38	26°19	17°15	2°31	3°14	27° 5	28°17	4°39	3°18	12°51	27°55	T 30
F 31	6 35 19	8♋50'53	22♌10	3♋18	21♋53	25♒58	17♋29	2♋38	3♊16	27♋4	28♑17	4♒33	3♒15	12♓58	27♋57	F 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
W 1	21s44	26s 1	3s24	15s29	2n 1	22s44	0s12	25n45	2n28	23s13	0s11	22s41	0n47	11s41	0n30	17n59	1s45	15n25	15n59	21n10	21n 8	0n 4	2n 3	3n13	
T 2	21 53	24 42	4 14	15 56	1 55	22 55	0 15	25 49	2 30	23 12	0 11	22 41	0 47	11 42	0 30	17 59	1 45	15 25	15 59	21 10	21 7	0 1	2 3	3 12	
F 3	22 2	21 57	4 51	16 23	1 49	23 6	0 17	25 53	2 33	23 11	0 11	22 41	0 47	11 44	0 30	17 59	1 45	15 25	16 0	21 10	21 7	0s 2	2 2	3 12	
S 4	22 11	17 57	5 13	16 50	1 42	23 15	0 19	25 56	2 36	23 10	0 11	22 41	0 47	11 45	0 30	17 58	1 45	15 25	16 1	21 10	21 6	0 5	2 2	3 12	
S 5	22 19	12 57	5 16	17 17	1 35	23 24	0 22	26 0	2 39	23 9	0 11	22 42	0 47	11 46	0 30	17 58	1 45	15 25	16 1	21 10	21 6	0 8	2 2	3 12	
M 6	22 26	7 11	5 1	17 44	1 28	23 32	0 24	26 4	2 42	23 8	0 11	22 42	0 47	11 47	0 30	17 58	1 45	15 25	16 2	21 10	21 5	0 11	2 1	3 11	
T 7	22 34	1 0	4 27	18 11	1 21	23 39	0 26	26 7	2 44	23 7	0 11	22 42	0 47	11 48	0 30	17 57	1 45	15 26	16 2	21 10	21 5	0 14	2 1	3 11	
W 8	22 41	5n19	3 36	18 37	1 13	23 46	0 29	26 10	2 47	23 6	0 11	22 42	0 47	11 49	0 30	17 57	1 45	15 26	16 3	21 10	21 4	0 17	2 1	3 11	
T 9	22 47	11 23	2 31	19 3	1 6	23 52	0 31	26 14	2 50	23 5	0 11	22 42	0 47	11 50	0 30	17 57	1 45	15 26	16 3	21 10	21 3	0 20	2 0	3 11	
F 10	22 53	16 50	1 16	19 29	0 58	23 57	0 33	26 17	2 52	23 4	0 11	22 42	0 47	11 51	0 30	17 56	1 45	15 26	16 4	21 10	21 3	0 23	2 0	3 10	
S 11	22 58	21 18	0n 2	19 54	0 51	24 2	0 36	26 20	2 55	23 2	0 12	22 42	0 47	11 52	0 30	17 56	1 45	15 26	16 4	21 10	21 2	0 26	2 0	3 10	
S 12	23 4	24 24	1 20	20 18	0 43	24 5	0 38	26 23	2 57	23 1	0 12	22 42	0 46	11 53	0 30	17 56	1 45	15 27	16 5	21 10	21 2	0 30	2 0	3 10	
M13	23 8	25 57	2 31	20 41	0 36	24 8	0 40	26 26	2 59	23 0	0 12	22 42	0 46	11 54	0 30	17 55	1 45	15 27	16 5	21 10	21 1	0 33	2 0	3 10	
T 14	23 12	25 53	3 32	21 4	0 28	24 11	0 42	26 29	3 2	22 59	0 12	22 42	0 46	11 55	0 30	17 55	1 45	15 27	16 6	21 10	21 0	0 36	2 0	3 9	
W15	23 16	24 19	4 20	21 26	0 21	24 12	0 44	26 31	3 4	22 57	0 12	22 42	0 46	11 56	0 30	17 55	1 45	15 27	16 7	21 9	21 0	0 39	1 59	3 9	
T 16	23 19	21 31	4 53	21 47	0 14	24 13	0 46	26 34	3 6	22 56	0 12	22 42	0 46	11 57	0 30	17 55	1 45	15 28	16 7	21 9	20 59	0 42	1 59	3 9	
F 17	23 22	17 47	5 11	22 7	0 7	24 13	0 49	26 36	3 8	22 55	0 12	22 42	0 46	11 57	0 30	17 54	1 45	15 28	16 8	21 8	20 59	0 45	1 59	3 9	
S 18	23 24	13 23	5 15	22 25	0s 1	24 12	0 51	26 38	3 10	22 53	0 12	22 42	0 46	11 58	0 30	17 54	1 45	15 28	16 8	21 8	20 58	0 48	1 59	3 8	
S 19	23 26	8 32	5 4	22 43	0 8	24 11	0 53	26 40	3 12	22 52	0 12	22 42	0 46	11 59	0 30	17 54	1 45	15 29	16 9	21 8	20 57	0 51	1 59	3 8	
M20	23 27	3 26	4 40	23 0	0 15	24 8	0 55	26 42	3 14	22 51	0 12	22 42	0 46	12 0	0 30	17 53	1 45	15 29	16 9	21 8	20 57	0 54	1 59	3 8	
T 21	23 28	1s45	4 5	23 16	0 21	24 5	0 57	26 44	3 15	22 49	0 12	22 42	0 46	12 1	0 30	17 53	1 45	15 29	16 10	21 8	20 56	0 57	1 59	3 8	
W22	23 29	6 54	3 19	23 31	0 28	24 2	0 59	26 46	3 17	22 48	0 12	22 42	0 46	12 2	0 30	17 53	1 44	15 30	16 11	21 8	20 56	1 1	1 59	3 7	
T 23	23 28	11 52	2 24	23 44	0 35	23 57	1 0	26 47	3 19	22 46	0 13	22 42	0 46	12 3	0 30	17 52	1 44	15 30	16 11	21 8	20 55	1 4	1 59	3 7	
F 24	23 28	16 26	1 22	23 56	0 41	23 52	1 2	26 48	3 20	22 45	0 13	22 42	0 46	12 3	0 30	17 52	1 44	15 30	16 12	21 9	20 54	1 7	1 59	3 7	
S 25	23 27	20 25	0 15	24 8	0 47	23 46	1 4	26 49	3 21	22 43	0 13	22 42	0 45	12 4	0 30	17 52	1 44	15 31	16 12	21 9	20 54	1 10	2 0	3 7	
S 26	23 25	23 31	0s54	24 17	0 54	23 39	1 6	26 50	3 23	22 41	0 13	22 42	0 45	12 5	0 30	17 52	1 44	15 31	16 13	21 9	20 53	1 13	2 0	3 6	
M27	23 23	25 30	2 2	24 26	0 59	23 32	1 8	26 51	3 24	22 40	0 13	22 42	0 45	12 6	0 30	17 51	1 44	15 32	16 13	21 8	20 53	1 16	2 0	3 6	
T 28	23 21	26 5	3 5	24 33	1 5	23 23	1 9	26 51	3 25	22 38	0 13	22 42	0 45	12 7	0 30	17 51	1 44	15 32	16 14	21 8	20 52	1 19	2 0	3 6	
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F 31	23s11	18s56	5s 4	24s47	1s21	22s55	1s14	26n52	3n27	22s33	0s13	22s42	0n45	12s 9	0n30	17n51	1s44	15n34	16n16	21n 5	20n50	1s29	2n 1	3n 5	