



# Astrodienst Ephemeris Tables for the year 1497

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 1497

## geocentric

JANUARY 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 18 38	20°10'53	20°13'32	0°R49	7°28	15°13	5°46	4°23	12°42	8°32	17°13	12°R 1	13°Ω 6	17°25	23°R24	S 1
M 2	7 22 34	21°12'00	2°347	0°D47	8°43	15°49	5°58	4°26	12°45	8°34	17°14	11°Ω58	13° 3	17°31	23°R22	M 2
T 3	7 26 31	22°13'07	14°52	0°S54	9°58	16°26	6° 9	4°30	12°48	8°36	17°16	11°55	12°59	17°38	23°21	T 3
W 4	7 30 27	23°14'13	26°50	1° 8	11°13	17° 3	6°20	4°34	12°52	8°39	17°17	11°53	12°56	17°45	23°20	W 4
T 5	7 34 24	24°15'18	8°41	1°30	12°28	17°40	6°31	4°38	12°55	8°41	17°18	11°D52	12°53	17°51	23°19	T 5
F 6	7 38 20	25°16'23	20°29	1°57	13°43	18°16	6°42	4°42	12°58	8°43	17°20	11°52	12°50	17°58	23°17	F 6
S 7	7 42 17	26°17'26	2°16	2°30	14°58	18°53	6°53	4°46	13° 2	8°45	17°21	11°53	12°47	18° 5	23°16	S 7
S 8	7 46 13	27°18'29	14° 4	3° 9	16°13	19°29	7° 4	4°51	13° 5	8°47	17°22	11°55	12°44	18°11	23°15	S 8
M 9	7 50 10	28°19'31	25°57	3°52	17°28	20° 6	7°15	4°55	13° 9	8°50	17°23	11°56	12°40	18°18	23°14	M 9
T 10	7 54 7	29°20'31	8°0	4°39	18°43	20°42	7°26	5° 0	13°12	8°52	17°24	11°57	12°37	18°24	23°14	T 10
W11	7 58 3	0°21'30	20°16	5°30	19°58	21°19	7°36	5° 4	13°15	8°54	17°25	11°58	12°34	18°31	23°13	W11
T 12	8 2 0	1°22'28	2°50	6°25	21°13	21°55	7°47	5° 9	13°19	8°56	17°26	11°R58	12°31	18°38	23°12	T 12
F 13	8 5 56	2°23'25	15°47	7°23	22°27	22°32	7°57	5°13	13°22	8°58	17°27	11°58	12°28	18°44	23°12	F 13
S 14	8 9 53	3°24'21	29° 9	8°24	23°42	23° 8	8° 7	5°18	13°26	9° 0	17°28	11°57	12°25	18°51	23°11	S 14
S 15	8 13 49	4°25'15	12°159	9°27	24°57	23°44	8°17	5°23	13°29	9° 2	17°29	11°56	12°21	18°58	23°10	S 15
M16	8 17 46	5°26'08	27°16	10°33	26°12	24°21	8°27	5°28	13°33	9° 5	17°30	11°55	12°18	19° 4	23°10	M16
T 17	8 21 42	6°27'00	11°58	11°41	27°27	24°57	8°37	5°33	13°36	9° 7	17°31	11°55	12°15	19°11	23°10	T 17
W18	8 25 39	7°27'50	26°59	12°51	28°41	25°33	8°47	5°38	13°40	9° 9	17°32	11°54	12°12	19°18	23° 9	W18
T 19	8 29 36	8°28'39	12°11	14° 3	29°56	26° 9	8°57	5°43	13°43	9°11	17°32	11°D54	12° 9	19°24	23° 9	T 19
F 20	8 33 32	9°29'27	27°24	15°17	1°11	26°45	9° 7	5°49	13°46	9°13	17°33	11°54	12° 5	19°31	23° 9	F 20
S 21	8 37 29	10°30'14	12°128	16°32	2°25	27°22	9°16	5°54	13°50	9°15	17°34	11°55	12° 2	19°38	23°D 9	S 21
S 22	8 41 25	11°30'59	27°15	17°49	3°40	27°58	9°26	5°59	13°53	9°17	17°35	11°R55	11°59	19°44	23° 9	S 22
M23	8 45 22	12°31'44	11°40	19° 7	4°54	28°34	9°35	6° 5	13°57	9°19	17°35	11°55	11°56	19°51	23° 9	M23
T 24	8 49 18	13°32'27	25°40	20°27	6° 9	29°10	9°44	6°10	14° 0	9°21	17°36	11°55	11°53	19°58	23° 9	T 24
W25	8 53 15	14°33'10	9°13	21°48	7°24	29°46	9°53	6°16	14° 4	9°23	17°36	11°D54	11°50	20° 4	23°10	W25
T 26	8 57 11	15°33'51	22°22	23°10	8°38	0°21	10° 2	6°22	14° 7	9°25	17°37	11°54	11°46	20°11	23°10	T 26
F 27	9 1 8	16°34'31	5°9	24°33	9°53	0°57	10°11	6°27	14°11	9°27	17°37	11°55	11°43	20°17	23°10	F 27
S 28	9 5 5	17°35'10	17°37	25°58	11° 7	1°33	10°20	6°33	14°14	9°28	17°38	11°55	11°40	20°24	23°11	S 28
S 29	9 9 1	18°35'48	29°51	27°24	12°21	2° 9	10°28	6°39	14°18	9°30	17°38	11°56	11°37	20°31	23°11	S 29
M30	9 12 58	19°36'25	11°53	28°50	13°36	2°44	10°37	6°45	14°21	9°32	17°39	11°57	11°34	20°37	23°12	M30
T 31	9 16 54	20°37'00	23°48	0°18	14°50	3°20	10°45	6°51	14°25	9°34	17°39	11°Ω57	11°Ω31	20°44	23°R13	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s59	19s 4	4n 7	20s27	3n 3	19s55	1s30	15s32	0n57	20s37	0n43	0s29	2s25	17s40	0s39	22s24
M 2	21 50	20 9	3 20	20 35	2 55	19 36	1 31	15 43	0 56	20 39	0 43	0 27	2 25	17 39	0 39	22 24
T 3	21 40	20 17	2 24	20 43	2 47	19 16	1 32	15 54	0 56	20 41	0 43	0 25	2 25	17 38	0 39	22 24
W 4	21 30	19 30	1 22	20 52	2 38	18 56	1 32	16 5	0 56	20 43	0 43	0 24	2 25	17 37	0 39	22 24
T 5	21 19	17 51	0 18	21 1	2 28	18 35	1 33	16 16	0 55	20 45	0 43	0 22	2 24	17 36	0 39	22 23
F 6	21 8	15 27	0s48	21 11	2 18	18 14	1 33	16 26	0 55	20 47	0 43	0 20	2 24	17 35	0 39	22 23
S 7	20 57	12 25	1 51	21 20	2 8	17 52	1 33	16 37	0 54	20 49	0 43	0 18	2 24	17 34	0 39	22 23
S 8	20 45	8 53	2 49	21 30	1 58	17 30	1 33	16 47	0 54	20 51	0 43	0 16	2 24	17 33	0 39	22 23
M 9	20 33	5 0	3 41	21 39	1 48	17 7	1 33	16 58	0 53	20 52	0 43	0 14	2 24	17 32	0 39	22 23
T 10	20 21	0 52	4 24	21 48	1 38	16 44	1 34	17 8	0 53	20 54	0 43	0 12	2 23	17 31	0 39	22 23
W11	20 8	3n23	4 55	21 56	1 27	16 21	1 34	17 18	0 52	20 56	0 43	0 10	2 23	17 31	0 39	22 23
T 12	19 54	7 34	5 14	22 4	1 17	15 57	1 33	17 28	0 52	20 58	0 43	0 8	2 23	17 30	0 39	22 22
F 13	19 41	11 33	5 17	22 11	1 7	15 32	1 33	17 38	0 51	20 59	0 43	0 6	2 23	17 29	0 39	22 22
S 14	19 27	15 5	5 4	22 17	0 57	15 7	1 33	17 47	0 51	21 1	0 43	0 4	2 22	17 28	0 39	22 22
S 15	19 12	17 55	4 33	22 23	0 47	14 42	1 33	17 57	0 50	21 2	0 43	0 2	2 22	17 27	0 39	22 22
M16	18 58	19 45	3 44	22 28	0 37	14 16	1 32	18 6	0 50	21 4	0 43	0n 0	2 22	17 26	0 39	22 22
T 17	18 43	20 19	2 39	22 32	0 28	13 50	1 32	18 16	0 49	21 6	0 43	0 2	2 22	17 25	0 39	22 22
W18	18 27	19 28	1 22	22 34	0 19	13 23	1 32	18 25	0 49	21 7	0 43	0 5	2 22	17 24	0 39	22 22
T 19	18 12	17 13	0n 2	22 36	0 9	12 57	1 31	18 34	0 48	21 9	0 43	0 7	2 21	17 23	0 39	22 21
F 20	17 55	13 45	1 25	22 37	0 1	12 29	1 30	18 43	0 47	21 10	0 43	0 9	2 21	17 22	0 39	22 21
S 21	17 39	9 24	2 42	22 37	0s 8	12 2	1 30	18 52	0 47	21 11	0 43	0 11	2 21	17 21	0 39	22 21
S 22	17 22	4 34	3 47	22 35	0 16	11 34	1 29	19 0	0 46	21 13	0 43	0 14	2 21	17 20	0 39	22 21
M23	17 5	0s24	4 35	22 32	0 25	11 6	1 28	19 9	0 46	21 14	0 43	0 16	2 21	17 19	0 39	22 21
T 24	16 48	5 12	5 6	22 29	0 33	10 38	1 27	19 17	0 45	21 16	0 43	0 18	2 21	17 18	0 39	22 21
W25	16 31	9 35	5 18	22 24	0 40	10 9	1 26	19 26	0 44	21 17	0 43	0 21	2 20	17 17	0 39	22 21
T 26	16 13	13 22	5 13	22 17	0 48	9 40	1 25	19 34	0 44	21 18	0 43	0 23	2 20	17 16	0 39	22 20
F 27	15 55	16 25	4 53	22 10	0 55	9 11	1 24	19 42	0 43	21 19	0 43	0 26	2 20	17 15	0 39	22 20
S 28	15 36	18 38	4 19	22 1	1 1	8 41	1 23	19 50	0 42	21 21	0 43	0 28	2 20	17 13	0 39	22 20
S 29	15 18	19 57	3 34	21 51	1 8	8 12	1 21	19 58	0 42	21 22	0 43	0 31	2 20	17 12	0 39	22 20
M30	14 59	20 19	2 40	21 39	1 14	7 42	1 20	20 5	0 41	21 23	0 43	0 33	2 20	17 11	0 39	22 20
T 31	14s39	19s46	1n39	21s27	1s20	7s12	1s19	20s13	0n40	21s24	0n43	0n36	2s19	17s10	0s39	22s20

Julian Day Number = 2267837.5, Delta T = 298.07 sec

Ecliptic obliquity = 23°30'10, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'20, Lahiri = 16°50'20 Julian Calendar 1 Jan. 1497 == Greg. Calendar 10 Jan. 1497

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

FEBRUARY 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	9 20 51	21 <sup>37</sup> 34	5 <sup>38</sup>	1 <sup>47</sup>	16 <sup>4</sup>	3 <sup>56</sup>	10 <sup>54</sup>	6 <sup>57</sup>	14 <sup>28</sup>	9 <sup>36</sup>	17 <sup>39</sup>	11 <sup>58</sup>	11 <sup>27</sup>	20 <sup>51</sup>	23 <sup>13</sup>	W 1
T 2	9 24 47	22 <sup>38</sup> 06	17 <sup>25</sup>	3 <sup>16</sup>	17 <sup>19</sup>	4 <sup>31</sup>	11 <sup>2</sup>	7 <sup>3</sup>	14 <sup>32</sup>	9 <sup>38</sup>	17 <sup>40</sup>	11 <sup>58</sup>	11 <sup>24</sup>	20 <sup>57</sup>	23 <sup>14</sup>	T 2
F 3	9 28 44	23 <sup>38</sup> 36	29 <sup>13</sup>	4 <sup>47</sup>	18 <sup>33</sup>	5 <sup>7</sup>	11 <sup>10</sup>	7 <sup>10</sup>	14 <sup>35</sup>	9 <sup>39</sup>	17 <sup>40</sup>	11 <sup>57</sup>	11 <sup>21</sup>	21 <sup>4</sup>	23 <sup>15</sup>	F 3
S 4	9 32 40	24 <sup>39</sup> 05	11 <sup>4</sup>	6 <sup>19</sup>	19 <sup>47</sup>	5 <sup>42</sup>	11 <sup>17</sup>	7 <sup>16</sup>	14 <sup>39</sup>	9 <sup>41</sup>	17 <sup>40</sup>	11 <sup>56</sup>	11 <sup>18</sup>	21 <sup>11</sup>	23 <sup>16</sup>	S 4
S 5	9 36 37	25 <sup>39</sup> 33	22 <sup>55</sup>	7 <sup>51</sup>	21 <sup>1</sup>	6 <sup>17</sup>	11 <sup>25</sup>	7 <sup>22</sup>	14 <sup>42</sup>	9 <sup>43</sup>	17 <sup>40</sup>	11 <sup>54</sup>	11 <sup>15</sup>	21 <sup>17</sup>	23 <sup>17</sup>	S 5
M 6	9 40 34	26 <sup>39</sup> 58	4 <sup>55</sup>	9 <sup>25</sup>	22 <sup>15</sup>	6 <sup>53</sup>	11 <sup>33</sup>	7 <sup>28</sup>	14 <sup>45</sup>	9 <sup>45</sup>	17 <sup>41</sup>	11 <sup>52</sup>	11 <sup>11</sup>	21 <sup>24</sup>	23 <sup>18</sup>	M 6
T 7	9 44 30	27 <sup>40</sup> 21	17 <sup>4</sup>	11 <sup>0</sup>	23 <sup>30</sup>	7 <sup>28</sup>	11 <sup>40</sup>	7 <sup>35</sup>	14 <sup>49</sup>	9 <sup>46</sup>	17 <sup>41</sup>	11 <sup>50</sup>	11 <sup>8</sup>	21 <sup>31</sup>	23 <sup>19</sup>	T 7
W 8	9 48 27	28 <sup>40</sup> 43	29 <sup>24</sup>	12 <sup>35</sup>	24 <sup>44</sup>	8 <sup>3</sup>	11 <sup>47</sup>	7 <sup>41</sup>	14 <sup>52</sup>	9 <sup>48</sup>	17 <sup>41</sup>	11 <sup>47</sup>	11 <sup>5</sup>	21 <sup>37</sup>	23 <sup>20</sup>	W 8
T 9	9 52 23	29 <sup>41</sup> 03	11 <sup>59</sup>	14 <sup>12</sup>	25 <sup>58</sup>	8 <sup>38</sup>	11 <sup>54</sup>	7 <sup>48</sup>	14 <sup>56</sup>	9 <sup>50</sup>	17 <sup>41</sup>	11 <sup>46</sup>	11 <sup>2</sup>	21 <sup>44</sup>	23 <sup>22</sup>	T 9
F 10	9 56 20	0 <sup>41</sup> 20	24 <sup>52</sup>	15 <sup>50</sup>	27 <sup>12</sup>	9 <sup>13</sup>	12 <sup>1</sup>	7 <sup>54</sup>	14 <sup>59</sup>	9 <sup>51</sup>	17 <sup>41</sup>	11 <sup>45</sup>	10 <sup>59</sup>	21 <sup>51</sup>	23 <sup>23</sup>	F 10
S 11	10 0 16	1 <sup>41</sup> 36	8 <sup>11</sup>	17 <sup>28</sup>	28 <sup>25</sup>	9 <sup>48</sup>	12 <sup>8</sup>	8 <sup>1</sup>	15 <sup>2</sup>	9 <sup>53</sup>	17 <sup>41</sup>	11 <sup>45</sup>	10 <sup>56</sup>	21 <sup>57</sup>	23 <sup>25</sup>	S 11
S 12	10 4 13	2 <sup>41</sup> 50	21 <sup>43</sup>	19 <sup>8</sup>	29 <sup>39</sup>	10 <sup>23</sup>	12 <sup>15</sup>	8 <sup>8</sup>	15 <sup>6</sup>	9 <sup>54</sup>	17 <sup>41</sup>	11 <sup>46</sup>	10 <sup>52</sup>	22 <sup>4</sup>	23 <sup>26</sup>	S 12
M13	10 8 9	3 <sup>42</sup> 01	5 <sup>46</sup>	20 <sup>48</sup>	0 <sup>53</sup>	10 <sup>58</sup>	12 <sup>22</sup>	8 <sup>14</sup>	15 <sup>9</sup>	9 <sup>56</sup>	17 <sup>41</sup>	11 <sup>47</sup>	10 <sup>49</sup>	22 <sup>10</sup>	23 <sup>28</sup>	M13
T 14	10 12 6	4 <sup>42</sup> 11	20 <sup>13</sup>	22 <sup>30</sup>	2 <sup>7</sup>	11 <sup>33</sup>	12 <sup>28</sup>	8 <sup>21</sup>	15 <sup>12</sup>	9 <sup>57</sup>	17 <sup>40</sup>	11 <sup>48</sup>	10 <sup>46</sup>	22 <sup>17</sup>	23 <sup>29</sup>	T 14
W15	10 16 3	5 <sup>42</sup> 18	5 <sup>12</sup>	24 <sup>13</sup>	3 <sup>21</sup>	12 <sup>7</sup>	12 <sup>34</sup>	8 <sup>28</sup>	15 <sup>16</sup>	9 <sup>59</sup>	17 <sup>40</sup>	11 <sup>49</sup>	10 <sup>43</sup>	22 <sup>24</sup>	23 <sup>31</sup>	W15
T 16	10 19 59	6 <sup>42</sup> 23	20 <sup>6</sup>	25 <sup>56</sup>	4 <sup>34</sup>	12 <sup>42</sup>	12 <sup>40</sup>	8 <sup>35</sup>	15 <sup>19</sup>	10 <sup>0</sup>	17 <sup>40</sup>	11 <sup>49</sup>	10 <sup>40</sup>	22 <sup>30</sup>	23 <sup>33</sup>	T 16
F 17	10 23 56	7 <sup>42</sup> 27	5 <sup>19</sup>	27 <sup>41</sup>	5 <sup>48</sup>	13 <sup>16</sup>	12 <sup>46</sup>	8 <sup>42</sup>	15 <sup>22</sup>	10 <sup>2</sup>	17 <sup>40</sup>	11 <sup>48</sup>	10 <sup>37</sup>	22 <sup>37</sup>	23 <sup>35</sup>	F 17
S 18	10 27 52	8 <sup>42</sup> 28	20 <sup>29</sup>	29 <sup>27</sup>	7 <sup>1</sup>	13 <sup>51</sup>	12 <sup>52</sup>	8 <sup>49</sup>	15 <sup>26</sup>	10 <sup>3</sup>	17 <sup>39</sup>	11 <sup>45</sup>	10 <sup>33</sup>	22 <sup>44</sup>	23 <sup>37</sup>	S 18
S 19	10 31 49	9 <sup>42</sup> 27	5 <sup>28</sup>	1 <sup>14</sup>	8 <sup>15</sup>	14 <sup>25</sup>	12 <sup>58</sup>	8 <sup>55</sup>	15 <sup>29</sup>	10 <sup>5</sup>	17 <sup>39</sup>	11 <sup>41</sup>	10 <sup>30</sup>	22 <sup>50</sup>	23 <sup>39</sup>	S 19
M20	10 35 45	10 <sup>42</sup> 25	20 <sup>7</sup>	3 <sup>3</sup>	9 <sup>28</sup>	15 <sup>0</sup>	13 <sup>3</sup>	9 <sup>2</sup>	15 <sup>32</sup>	10 <sup>6</sup>	17 <sup>39</sup>	11 <sup>37</sup>	10 <sup>27</sup>	22 <sup>57</sup>	23 <sup>41</sup>	M20
T 21	10 39 42	11 <sup>42</sup> 21	4 <sup>11</sup>	4 <sup>52</sup>	10 <sup>42</sup>	15 <sup>34</sup>	13 <sup>8</sup>	9 <sup>9</sup>	15 <sup>35</sup>	10 <sup>7</sup>	17 <sup>38</sup>	11 <sup>33</sup>	10 <sup>24</sup>	23 <sup>4</sup>	23 <sup>43</sup>	T 21
W22	10 43 38	12 <sup>42</sup> 15	18 <sup>5</sup>	6 <sup>42</sup>	11 <sup>55</sup>	16 <sup>8</sup>	13 <sup>14</sup>	9 <sup>17</sup>	15 <sup>39</sup>	10 <sup>9</sup>	17 <sup>38</sup>	11 <sup>30</sup>	10 <sup>21</sup>	23 <sup>10</sup>	23 <sup>45</sup>	W22
T 23	10 47 35	13 <sup>42</sup> 08	1 <sup>21</sup>	8 <sup>34</sup>	13 <sup>8</sup>	16 <sup>42</sup>	13 <sup>19</sup>	9 <sup>24</sup>	15 <sup>42</sup>	10 <sup>10</sup>	17 <sup>38</sup>	11 <sup>27</sup>	10 <sup>17</sup>	23 <sup>17</sup>	23 <sup>47</sup>	T 23
F 24	10 51 31	14 <sup>41</sup> 59	14 <sup>11</sup>	10 <sup>27</sup>	14 <sup>22</sup>	17 <sup>16</sup>	13 <sup>23</sup>	9 <sup>31</sup>	15 <sup>45</sup>	10 <sup>11</sup>	17 <sup>37</sup>	11 <sup>27</sup>	10 <sup>14</sup>	23 <sup>24</sup>	23 <sup>49</sup>	F 24
S 25	10 55 28	15 <sup>41</sup> 48	26 <sup>39</sup>	12 <sup>20</sup>	15 <sup>35</sup>	17 <sup>50</sup>	13 <sup>28</sup>	9 <sup>38</sup>	15 <sup>48</sup>	10 <sup>12</sup>	17 <sup>37</sup>	11 <sup>27</sup>	10 <sup>11</sup>	23 <sup>30</sup>	23 <sup>52</sup>	S 25
S 26	10 59 25	16 <sup>41</sup> 36	8 <sup>34</sup>	14 <sup>15</sup>	16 <sup>48</sup>	18 <sup>24</sup>	13 <sup>32</sup>	9 <sup>45</sup>	15 <sup>51</sup>	10 <sup>13</sup>	17 <sup>36</sup>	11 <sup>29</sup>	10 <sup>8</sup>	23 <sup>37</sup>	23 <sup>54</sup>	S 26
M27	11 3 21	17 <sup>41</sup> 22	20 <sup>47</sup>	16 <sup>11</sup>	18 <sup>1</sup>	18 <sup>57</sup>	13 <sup>37</sup>	9 <sup>52</sup>	15 <sup>54</sup>	10 <sup>15</sup>	17 <sup>35</sup>	11 <sup>30</sup>	10 <sup>5</sup>	23 <sup>44</sup>	23 <sup>57</sup>	M27
T 28	11 7 18	18 <sup>41</sup> 06	2 <sup>37</sup>	18 <sup>4</sup>	19 <sup>14</sup>	19 <sup>31</sup>	13 <sup>41</sup>	10 <sup>10</sup>	15 <sup>57</sup>	10 <sup>16</sup>	17 <sup>35</sup>	11 <sup>32</sup>	10 <sup>12</sup>	23 <sup>50</sup>	23 <sup>59</sup>	T 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	decl	lat
W 1	14s20	18s21	0n35	21s13	1s26	6s42	1s17	20s20	0n40	21s25	0n43	0n38	2s19	17s 9	0s39	22s20	0n50	3s 1	14n42	17n15	17n23	15s23	15n 8	3s37					
T 2	14 0	16 8	0s30	20 57	1 31	6 11	1 16	20 28	0 39	21 27	0 43	0 41	2 19	17 8	0 39	22 19	0 50	3 0	14 42	17 15	17 24	15 22	15 8	3 37					
F 3	13 40	13 15	1 34	20 40	1 36	5 41	1 14	20 35	0 38	21 28	0 43	0 43	2 19	17 7	0 39	22 19	0 50	3 0	14 43	17 15	17 25	15 20	15 9	3 36					
S 4	13 20	9 50	2 34	20 22	1 41	5 10	1 12	20 42	0 37	21 29	0 43	0 46	2 19	17 6	0 39	22 19	0 50	2 59	14 43	17 15	17 26	15 19	15 9	3 36					
S 5	13 0	6 0	3 28	20 3	1 45	4 39	1 11	20 49	0 37	21 30	0 43	0 49	2 19	17 5	0 39	22 19	0 50	2 59	14 43	17 16	17 27	15 18	15 9	3 36					
M 6	12 40	1 55	4 13	19 42	1 49	4 8	1 9	20 56	0 36	21 31	0 43	0 51	2 18	17 4	0 39	22 19	0 50	2 59	14 44	17 17	17 28	15 16	15 10	3 36					
T 7	12 19	2n18	4 47	19 20	1 53	3 37	1 7	21 2	0 35	21 32	0 43	0 54	2 18	17 3	0 39	22 19	0 50	2 58	14 44	17 17	17 29	15 15	15 10	3 36					
W 8	11 58	6 28	5 9	18 56	1 56	3 6	1 5	21 9	0 34	21 33	0 43	0 57	2 18	17 2	0 39	22 19	0 50	2 58	14 45	17 18	17 30	15 14	15 11	3 36					
T 9	11 37	10 27	5 16	18 31	1 59	2 35	1 3	21 15	0 34	21 33	0 44	0 59	2 18	17 1	0 39	22 19	0 50	2 57	14 45	17 18	17 30	15 12	15 11	3 35					
F 10	11 16	14 3	5 8	18 4	2 2	2 3	1 1	21 21	0 33	21 34	0 44	1 2	2 18	17 0	0 39	22 18	0 50	2 57	14 46	17 19	17 31	15 11	15 12	3 35					
S 11	10 54	17 3	4 44	17 36	2 4	1 32	0 59	21 27	0 32	21 35	0 44	1 5	2 18	17 0	0 39	22 18	0 50	2 57	14 46	17 19	17 32	15 10	15 12	3 35					
S 12	10 32	19 12	4 3	17 7	2 6	1 0	0 57	21 33	0 31	21 36	0 44	1 7	2 18	16 59	0 39	22 18	0 50	2 56	14 47	17 18	17 33	15 8	15 13	3 35					
M13	10 11	20 17	3 6	16 36	2 7	0 29	0 55	21 39	0 30	21 37	0 44	1 10	2 18	16 58	0 39	22 18	0 50	2 56	14 47	17 18	17 34	15 7	15 13	3 35					
T 14	9 49	20 3	1 56	16 4	2 8	0n 3	0 52	21 45	0 29	21 38	0 44	1 13	2 17	16 57	0 39	22 18	0 50	2 55	14 47	17 18	17 35	15 6	15 14	3 35					
W15	9 27	18 27	0 37	15 30	2 9	0 34	0 50	21 50	0 28	21 38	0 44	1 16	2 17	16 56	0 39	22 18	0 50	2 55	14 48	17 17	17 36	15 4	15 14	3 35					
T 16	9 4	15 32	0n46	14 55	2 9	1 6	0 48	21 56	0 27	21 39	0 44	1 19	2 17	16 55	0 39	22 18	0 50	2 54	14 48	17 17	17 37	15 3	15 15	3 34					
F 17	8 42	11 32	2 6	14 19	2 8	1 37	0 45	22 1	0 26	21 40	0 44	1 21	2 17	16 54	0 39	22 18	0 50	2 54	14 49	17 18	17 37	15 2	15 15	3 34					
S 18	8 20	6 48	3 17	13 41	2 8	2 8	0 43	22 6	0 25	21 41	0 44	1 24	2 17	16 53	0 39	22 17	0 50	2 53	14 49	17 19	17 38	15 0	15 16	3 34					
S 19	7 57	1 42	4 14	13 2	2 6	2 40	0 40	22 11	0 25	21 41	0 44	1 27	2 17	16 52	0 39	22 17	0 50	2 53	14 50	17 20	17 39	14 59	15 17	3 34					
M20	7 34	3s23	4 52	12 21	2 5	3 11	0 38	22 16	0 24	21 42	0 44	1 30	2 17	16 51	0 39	22 17	0 50	2 52	14 50	17 21	17 40	14 57	15 17	3 34					
T 21	7 11	8 7	5 11	11 39	2 2	3 42	0 35	22 21	0 23	21 43	0 44	1 33	2 17	16 50	0 39	22 17	0 50	2 52	14 50	17 22	17 41	14 56	15 18	3 34					
W22	6 49	12 16	5 12	10 56	2 0	4 14	0 32	22 25	0 22	21 43	0 44	1 36	2 17	16 49	0 39	22 17	0 50	2 51	14 51	17 23	17 42	14 55	15 19	3 34					
T 23	6 26	15 40	4 55	10 11	1 57	4 45	0 30	22 30	0 20	21 44	0 44	1 38	2 16	16 48	0 39	22 17	0 50	2 51	14 51	17 23	17 43	14 53	15 19	3 33					
F 24	6 2	18 11	4 24	9 25	1 53	5 16	0 27	22 34	0 19	21 44	0 44	1 41	2 16	16 47	0 39	22 17	0 50	2 50	14 52	17 24	17 43	14 52	15 20	3 33					
S 25	5 39	19 46	3 41	8 37	1 49	5 47	0 24	22 38	0 18	21 45	0 44	1 44	2 16	16 46	0 39	22 17	0 50	2 50	14 52	17 23	17 44	14 51	15 21	3 33					
S 26	5 16	20 23	2 50	7 49	1 49	6 17	0 21	22 43	0 17	21 45	0 44	1 47	2 16	16 45	0 39	22 17	0 50	2 49	14 52	17 23	17 45	14 49	15 21	3 33					
M27	4 53	20 4	1 51	6 59	1 34	6 48	0 18	22 46	0 16	21 46	0 44	1 50	2 16	16 44	0 39	22 16	0 50	2 49	14 53	17 23	17 46	14 48	15 22	3 33					
T 28	4s29	18s50	0n49	6s 7	1s33	7n19	0s16	22s50	0n15	21s46	0n44	1n53	2s16	16s43	0s40	22s16	0n50	2s48	14n53	17n22	17n47	14s46	15n23	3s33					

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

MARCH 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	11 11 14	19°40'48	14°23	20°6	20°27	20°4	13°45	10°7	16°0	10°17	17°R34	11°R32	9°58	23°57	24°2	W 1
T 2	11 15 11	20°40'28	26°9	22°5	21°40	20°38	13°49	10°14	16°3	10°18	17°M34	11°R31	9°55	24°3	24°4	T 2
F 3	11 19 7	21°40'06	7°59	24°4	22°53	21°11	13°52	10°22	16°6	10°19	17°33	11°28	9°52	24°10	24°7	F 3
S 4	11 23 4	22°39'43	19°54	26°5	24°5	21°44	13°56	10°29	16°9	10°20	17°32	11°23	9°49	24°17	24°10	S 4
S 5	11 27 0	23°39'17	1°56	28°5	25°18	22°17	13°59	10°36	16°12	10°21	17°31	11°16	9°46	24°23	24°13	S 5
M 6	11 30 57	24°38'49	14°7	0°6	26°31	22°50	14°2	10°44	16°15	10°22	17°30	11°8	9°42	24°30	24°16	M 6
T 7	11 34 54	25°38'19	26°28	2°8	27°43	23°23	14°5	10°51	16°18	10°23	17°30	10°59	9°39	24°37	24°19	T 7
W 8	11 38 50	26°37'47	9°8	4°9	28°56	23°56	14°8	10°59	16°21	10°24	17°29	10°51	9°36	24°43	24°22	W 8
T 9	11 42 47	27°37'13	21°45	6°9	0°8	24°29	14°10	11°6	16°24	10°24	17°28	10°45	9°33	24°50	24°25	T 9
F 10	11 46 43	28°36'36	4°44	8°9	1°21	25°1	14°13	11°14	16°27	10°25	17°27	10°40	9°30	24°57	24°28	F 10
S 11	11 50 40	29°35'57	17°58	10°9	2°33	25°33	14°15	11°21	16°29	10°26	17°26	10°37	9°27	25°3	24°31	S 11
S 12	11 54 36	0°35'16	1°30	12°6	3°45	26°6	14°17	11°29	16°32	10°27	17°25	10°D37	9°23	25°10	24°34	S 12
M13	11 58 33	1°34'32	15°20	14°2	4°58	26°38	14°19	11°36	16°35	10°27	17°24	10°37	9°20	25°17	24°37	M13
T 14	12 2 29	2°33'46	29°30	15°56	6°10	27°10	14°20	11°44	16°38	10°28	17°23	10°38	9°17	25°23	24°41	T 14
W15	12 6 26	3°32'58	13°59	17°47	7°22	27°41	14°22	11°51	16°40	10°29	17°22	10°R39	9°14	25°30	24°44	W15
T 16	12 10 23	4°32'07	28°44	19°36	8°34	28°13	14°23	11°59	16°43	10°29	17°21	10°37	9°11	25°37	24°47	T 16
F 17	12 14 19	5°31'14	13°39	21°21	9°45	28°45	14°24	12°7	16°45	10°30	17°20	10°34	9°8	25°43	24°51	F 17
S 18	12 18 16	6°30'19	28°38	23°2	10°57	29°16	14°25	12°14	16°48	10°30	17°19	10°28	9°4	25°50	24°54	S 18
S 19	12 22 12	7°29'22	13°30	24°39	12°9	29°47	14°26	12°22	16°50	10°31	17°18	10°20	9°1	25°57	24°58	S 19
M20	12 26 9	8°28'22	28°8	26°12	13°21	0°19	14°26	12°29	16°53	10°31	17°16	10°11	8°58	26°3	25°1	M20
T 21	12 30 5	9°27'21	12°24	27°40	14°32	0°50	14°26	12°37	16°55	10°32	17°15	10°1	8°55	26°10	25°5	T 21
W22	12 34 2	10°26'18	26°14	29°4	15°44	1°20	14°R27	12°45	16°58	10°32	17°14	9°53	8°52	26°16	25°9	W22
T 23	12 37 58	11°25'13	9°36	0°22	16°55	1°51	14°27	12°52	17°0	10°33	17°13	9°47	8°48	26°23	25°12	T 23
F 24	12 41 55	12°24'06	22°31	1°34	18°6	2°21	14°26	13°0	17°2	10°33	17°11	9°43	8°45	26°30	25°16	F 24
S 25	12 45 51	13°22'58	5°3	2°41	19°17	2°52	14°26	13°7	17°5	10°33	17°10	9°41	8°42	26°36	25°20	S 25
S 26	12 49 48	14°21'48	17°15	3°43	20°28	3°22	14°25	13°15	17°7	10°34	17°9	9°D40	8°39	26°43	25°24	S 26
M27	12 53 45	15°20'36	29°13	4°38	21°39	3°52	14°24	13°23	17°9	10°34	17°7	9°41	8°36	26°50	25°28	M27
T 28	12 57 41	16°19'22	11°3	5°28	22°50	4°22	14°23	13°30	17°11	10°34	17°6	9°R41	8°33	26°56	25°32	T 28
W29	13 1 38	17°18'06	22°49	6°11	24°1	4°51	14°22	13°38	17°14	10°34	17°5	9°40	8°29	27°3	25°36	W29
T 30	13 5 34	18°16'49	4°37	6°48	25°12	5°21	14°21	13°45	17°16	10°34	17°3	9°37	8°26	27°10	25°40	T 30
F 31	13 9 31	19°15'30	16°31	7°19	26°23	5°50	14°19	13°53	17°18	10°35	17°M2	9°D32	8°23	27°16	25°44	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	4s 6	16s48	0s16	5s15	1s26	7n49	0s13	22s54	0n14	21s47	0n44	1n56	2s16	16s43	0s40	22s16
T 2	3 42	14 4	1 19	4 22	1 19	8 19	0 10	22 58	0 13	21 47	0 44	1 59	2 16	16 42	0 40	22 16
F 3	3 19	10 45	2 19	3 27	1 12	8 49	0 7	23 1	0 11	21 48	0 44	2 2	2 16	16 41	0 40	22 16
S 4	2 55	6 58	3 13	2 32	1 4	9 19	0 4	23 4	0 10	21 48	0 44	2 5	2 16	16 40	0 40	22 16
S 5	2 32	2 53	3 59	1 36	0 55	9 48	0 1	23 8	0 9	21 48	0 44	2 8	2 16	16 39	0 40	22 16
M 6	2 8	1n21	4 35	0 39	0 46	10 18	0n3	23 11	0 8	21 49	0 44	2 11	2 16	16 38	0 40	22 16
T 7	1 44	5 36	4 59	0n18	0 36	10 47	0 6	23 14	0 6	21 49	0 45	2 14	2 16	16 37	0 40	22 16
W 8	1 21	9 40	5 8	1 15	0 26	11 16	0 9	23 17	0 5	21 49	0 45	2 17	2 16	16 37	0 40	22 16
T 9	0 57	13 23	5 3	2 13	0 15	11 44	0 12	23 19	0 4	21 49	0 45	2 20	2 16	16 36	0 40	22 16
F 10	0 33	16 31	4 42	3 10	0 5	12 13	0 15	23 22	0 3	21 50	0 45	2 23	2 15	16 35	0 40	22 15
S 11	0 10	18 53	4 6	4 8	0n7	12 41	0 18	23 25	0 1	21 50	0 45	2 26	2 15	16 34	0 40	22 15
S 12	0n14	20 15	3 15	5 5	0 18	13 8	0 21	23 27	0s0	21 50	0 45	2 29	2 15	16 33	0 40	22 15
M13	0 38	20 26	2 12	6 1	0 30	13 36	0 25	23 29	0 2	21 50	0 45	2 31	2 15	16 32	0 40	22 15
T 14	1 1	19 20	1 0	6 56	0 42	14 3	0 28	23 31	0 3	21 50	0 45	2 34	2 15	16 32	0 40	22 15
W15	1 25	16 58	0n18	7 50	0 54	14 30	0 31	23 33	0 5	21 51	0 45	2 37	2 15	16 31	0 40	22 15
T 16	1 48	13 26	1 36	8 42	1 6	14 56	0 34	23 35	0 6	21 51	0 45	2 40	2 15	16 30	0 40	22 15
F 17	2 12	9 1	2 48	9 33	1 17	15 22	0 38	23 37	0 7	21 51	0 45	2 43	2 15	16 29	0 40	22 15
S 18	2 35	4 2	3 48	10 21	1 29	15 48	0 41	23 39	0 9	21 51	0 45	2 46	2 15	16 29	0 40	22 15
S 19	2 59	1s9	4 33	11 8	1 40	16 13	0 44	23 41	0 11	21 51	0 45	2 49	2 15	16 28	0 40	22 15
M20	3 22	6 11	4 59	11 52	1 51	16 38	0 47	23 42	0 12	21 51	0 45	2 52	2 15	16 27	0 40	22 15
T 21	3 45	10 46	5 5	12 34	2 2	17 3	0 51	23 44	0 14	21 51	0 45	2 55	2 15	16 26	0 40	22 15
W22	4 9	14 37	4 53	13 13	2 11	17 27	0 54	23 45	0 15	21 51	0 45	2 58	2 15	16 26	0 40	22 15
T 23	4 32	17 35	4 25	13 49	2 21	17 51	0 57	23 47	0 17	21 51	0 45	3 1	2 15	16 25	0 40	22 15
F 24	4 55	19 33	3 45	14 23	2 29	18 14	1 0	23 48	0 19	21 51	0 45	3 4	2 15	16 24	0 40	22 15
S 25	5 18	20 30	2 54	14 53	2 37	18 37	1 3	23 49	0 21	21 51	0 45	3 7	2 15	16 24	0 40	22 15
S 26	5 41	20 27	1 57	15 21	2 43	18 59	1 7	23 50	0 22	21 51	0 45	3 10	2 15	16 23	0 40	22 14
M27	6 3	19 28	0 56	15 45	2 49	19 21	1 10	23 51	0 24	21 50	0 45	3 13	2 15	16 22	0 40	22 14
T 28	6 26	17 37	0s7	16 7	2 54	19 42	1 13	23 52	0 26	21 50	0 45	3 16	2 15	16 22	0 40	22 14
W29	6 49	15 2	1 10	16 25	2 58	20 3	1 16	23 53	0 28	21 50	0 45	3 19	2 15	16 21	0 40	22 14
T 30	7 11	11 50	2 9	16 40	3 1	20 24	1 19	23 53	0 30	21 50	0 45	3 22	2 15	16 21	0 40	22 14
F 31	7n33	8s8	3s3	16n51	3n2	20n44	1n22	23s54	0s32	21s50	0n45	3n25	2s15	16s20	0s40	22s14

Julian Day Number = 2267896.5, Delta T = 297.73 sec

Ecliptic obliquity = 23°30'11", Nutation = - 0°00'12", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'28", Lahiri = 16°50'29" Julian Calendar 1 March 1497 == Greg. Calendar 10 March 1497

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

APRIL 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 13 27	20°14'09	28°33	7°44	27°33	6°19	14°R18	14°1	17°20	10°35	17°R 1	9°R23	8°20	27°23	25°48	S 1
S 2	13 17 24	21°12'46	10°46	8° 2	28°44	6°48	14°16	14° 8	17°22	10°35	16°59	9°13	8°17	27°30	25°52	S 2
M 3	13 21 20	22°11'21	23°12	8°14	29°54	7°16	14°14	14°16	17°24	10°R35	16°58	9° 1	8°13	27°36	25°56	M 3
T 4	13 25 17	23° 9'55	5°50	8°21	1°11 4	7°44	14°11	14°23	17°26	10°35	16°56	8°48	8°10	27°43	26° 0	T 4
W 5	13 29 14	24° 8'26	18°41	8°R21	2°14	8°13	14° 9	14°31	17°27	10°35	16°55	8°36	8° 7	27°50	26° 4	W 5
T 6	13 33 10	25° 6'56	1°43	8°16	3°25	8°40	14° 6	14°39	17°29	10°35	16°53	8°25	8° 4	27°56	26° 8	T 6
F 7	13 37 7	26° 5'23	14°58	8° 5	4°34	9° 8	14° 3	14°46	17°31	10°34	16°52	8°17	8° 1	28° 3	26°13	F 7
S 8	13 41 3	27° 3'48	28°23	7°49	5°44	9°35	14° 0	14°54	17°33	10°34	16°50	8°12	7°58	28°10	26°17	S 8
S 9	13 45 0	28° 2'12	12°0	7°28	6°54	10° 2	13°57	15° 1	17°34	10°34	16°49	8° 9	7°54	28°16	26°21	S 9
M10	13 48 56	29° 0'33	25°49	7° 3	8° 4	10°29	13°54	15° 9	17°36	10°34	16°47	8°D 8	7°51	28°23	26°26	M10
T 11	13 52 53	29°58'51	9°50	6°34	9°13	10°56	13°50	15°16	17°38	10°34	16°45	8°R 8	7°48	28°30	26°30	T 11
W12	13 56 49	0°57'08	24° 4	6° 2	10°23	11°22	13°47	15°24	17°39	10°33	16°44	8° 8	7°45	28°36	26°34	W12
T 13	14 0 46	1°55'23	8°28	5°28	11°32	11°48	13°43	15°31	17°41	10°33	16°42	8° 5	7°42	28°43	26°39	T 13
F 14	14 4 43	2°53'35	22°59	4°51	12°41	12°14	13°39	15°38	17°42	10°33	16°41	8° 1	7°39	28°49	26°43	F 14
S 15	14 8 39	3°51'46	7°34	4°13	13°50	12°40	13°34	15°46	17°44	10°32	16°39	7°53	7°35	28°56	26°48	S 15
S 16	14 12 36	4°49'54	22° 5	3°34	14°59	13° 5	13°30	15°53	17°45	10°32	16°37	7°43	7°32	29° 3	26°52	S 16
M17	14 16 32	5°48'01	6°26	2°56	16° 7	13°30	13°26	16° 0	17°46	10°32	16°36	7°31	7°29	29° 9	26°57	M17
T 18	14 20 29	6°46'06	20°31	2°18	17°16	13°54	13°21	16° 8	17°47	10°31	16°34	7°19	7°26	29°16	27° 1	T 18
W19	14 24 25	7°44'10	4°14	1°42	18°25	14°19	13°16	16°15	17°49	10°31	16°32	7° 9	7°23	29°23	27° 6	W19
T 20	14 28 22	8°42'12	17°33	1° 8	19°33	14°43	13°11	16°22	17°50	10°30	16°31	7° 0	7°19	29°29	27°10	T 20
F 21	14 32 18	9°40'12	0°28	0°36	20°41	15° 6	13° 6	16°30	17°51	10°30	16°29	6°53	7°16	29°36	27°15	F 21
S 22	14 36 15	10°38'12	13° 0	0° 8	21°49	15°30	13° 1	16°37	17°52	10°29	16°27	6°50	7°13	29°43	27°20	S 22
S 23	14 40 12	11°36'09	25°14	29°42	22°57	15°53	12°55	16°44	17°53	10°28	16°26	6°48	7°10	29°49	27°24	S 23
M24	14 44 8	12°34'06	7°15	29°21	24° 5	16°15	12°50	16°51	17°54	10°28	16°24	6°48	7° 7	29°56	27°29	M24
T 25	14 48 5	13°32'01	19° 6	29° 4	25°12	16°37	12°44	16°58	17°55	10°27	16°22	6°48	7° 4	0°31	27°34	T 25
W26	14 52 1	14°29'55	0°54	28°51	26°20	16°59	12°38	17° 5	17°56	10°26	16°21	6°47	7° 0	0° 9	27°38	W26
T 27	14 55 58	15°27'47	12°45	28°42	27°27	17°21	12°32	17°12	17°57	10°26	16°19	6°44	6°57	0°16	27°43	T 27
F 28	14 59 54	16°25'38	24°42	28°D38	28°34	17°42	12°26	17°19	17°58	10°25	16°17	6°39	6°54	0°23	27°48	F 28
S 29	15 3 51	17°23'28	6°51	28°39	29°41	18° 2	12°20	17°26	17°58	10°24	16°16	6°31	6°51	0°29	27°52	S 29
S 30	15 7 47	18°21'17	19°14	28°Y44	0°548	18°23	12°14	17°Y33	17°59	10°23	16°14	6°21	6°48	0°36	27°57	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	7n56	4s 5	3s49	17n 0	3n 2	21n 3	1n25	23s55	0s33	21s50	0n45	3n28	2s15	16s19	0s40	22s14	0n51	2s30	15n 2	17n57	18n14	14s 0	15n51	3s30			
S 2	8 18	0n12	4 26	17 5	3 1	21 22	1 28	23 55	0 35	21 49	0 45	3 31	2 15	16 19	0 40	22 14	0 51	2 30	15 3	18 0	18 15	13 58	15 52	3 30			
M 3	8 40	4 33	4 50	17 7	2 59	21 40	1 31	23 56	0 37	21 49	0 45	3 34	2 15	16 18	0 40	22 14	0 51	2 29	15 3	18 3	18 15	13 57	15 53	3 30			
T 4	9 2	8 46	5 1	17 5	2 55	21 58	1 34	23 56	0 40	21 49	0 45	3 36	2 15	16 18	0 40	22 14	0 51	2 29	15 3	18 7	18 16	13 55	15 54	3 30			
W 5	9 23	12 40	4 57	17 1	2 50	22 15	1 37	23 56	0 42	21 49	0 45	3 39	2 15	16 17	0 41	22 14	0 51	2 28	15 3	18 10	18 17	13 54	15 55	3 30			
T 6	9 45	16 2	4 37	16 53	2 44	22 32	1 40	23 57	0 44	21 48	0 45	3 42	2 16	16 17	0 41	22 14	0 51	2 28	15 3	18 12	18 18	13 52	15 56	3 30			
F 7	10 6	18 38	4 2	16 42	2 36	22 48	1 43	23 57	0 46	21 48	0 45	3 45	2 16	16 16	0 41	22 14	0 51	2 27	15 3	18 15	18 19	13 50	15 57	3 30			
S 8	10 27	20 16	3 14	16 28	2 27	23 3	1 46	23 57	0 48	21 47	0 45	3 48	2 16	16 16	0 41	22 14	0 51	2 27	15 4	18 16	18 20	13 49	15 58	3 30			
S 9	10 48	20 44	2 14	16 12	2 17	23 18	1 48	23 57	0 50	21 47	0 45	3 51	2 16	16 15	0 41	22 14	0 51	2 26	15 4	18 17	18 20	13 47	15 59	3 30			
M10	11 9	19 59	1 5	15 52	2 5	23 32	1 51	23 58	0 53	21 47	0 45	3 54	2 16	16 15	0 41	22 14	0 51	2 26	15 4	18 17	18 21	13 46	16 1	3 30			
T 11	11 30	17 59	0n 9	15 31	1 52	23 46	1 54	23 58	0 55	21 46	0 45	3 56	2 16	16 14	0 41	22 14	0 51	2 25	15 4	18 17	18 22	13 44	16 2	3 30			
W12	11 50	14 51	1 23	15 7	1 38	23 59	1 56	23 58	0 57	21 46	0 45	3 59	2 16	16 14	0 41	22 14	0 51	2 25	15 4	18 17	18 23	13 43	16 3	3 30			
T 13	12 10	10 47	2 33	14 41	1 24	24 11	1 59	23 58	1 0	21 45	0 45	4 2	2 16	16 13	0 41	22 14	0 51	2 24	15 4	18 18	18 24	13 41	16 4	3 30			
F 14	12 30	6 3	3 33	14 14	1 8	24 23	2 1	23 58	1 2	21 45	0 45	4 5	2 16	16 13	0 41	22 14	0 51	2 24	15 4	18 19	18 24	13 40	16 5	3 30			
S 15	12 50	0 58	4 20	13 46	0 52	24 34	2 4	23 58	1 4	21 44	0 45	4 8	2 16	16 13	0 41	22 14	0 51	2 23	15 4	18 21	18 25	13 38	16 6	3 30			
S 16	13 10	4s 9	4 50	13 17	0 35	24 44	2 6	23 58	1 7	21 44	0 45	4 10	2 16	16 12	0 41	22 14	0 51	2 23	15 4	18 23	18 26	13 36	16 7	3 30			
M17	13 29	8 58	5 0	12 48	0 18	24 54	2 8	23 58	1 9	21 43	0 45	4 13	2 16	16 12	0 41	22 14	0 51	2 22	15 4	18 26	18 27	13 35	16 8	3 30			
T 18	13 49	13 13	4 53	12 19	0 1	25 3	2 10	23 58	1 12	21 43	0 45	4 16	2 16	16 11	0 41	22 14	0 51	2 22	15 4	18 29	18 28	13 33	16 9	3 30			
W19	14 8	16 39	4 28	11 50	0s17	25 12	2 13	23 58	1 15	21 42	0 45	4 19	2 16	16 11	0 41	22 14	0 51	2 21	15 4	18 32	18 29	13 32	16 10	3 30			
T 20	14 26	19 7	3 49	11 22	0 34	25 20	2 15	23 58	1 17	21 42	0 45	4 21	2 16	16 11	0 41	22 14	0 51	2 21	15 4	18 34	18 29	13 30	16 11	3 30			
F 21	14 45	20 30	3 0	10 55	0 51	25 27	2 17	23 58	1 20	21 41	0 45	4 24	2 17	16 10	0 41	22 14	0 51	2 20	15 4	18 36	18 30	13 29	16 12	3 30			
S 22	15 3	20 50	2 2	10 30	1 7	25 33	2 18	23 58	1 23	21 40	0 45	4 27	2 17	16 10	0 41	22 14	0 51	2 20	15 4	18 37	18 31	13 27	16 13	3 30			
S 23	15 21	20 9	1 1	10 7	1 23	25 39	2 20	23 58	1 26	21 40	0 45	4 29	2 17	16 10	0 41	22 14	0 51	2 19	15 4	18 37	18 32	13 25	16 14	3 30			
M24	15 39	18 33	0s 2	9 45	1 38	25 44	2 22	23 58	1 28	21 39	0 45	4 32	2 17	16 10	0 41	22 14	0 51	2 19	15 4	18 37	18 33	13 24	16 15	3 30			
T 25	15 57	16 10	1 5	9 26	1 52	25 49	2 24	23 59	1 31	21 38	0 45	4 35	2 17	16 9	0 41	22 14	0 51	2 19	15 4	18 37	18 33	13 22	16 16	3 30			
W26	16 14	13 7	2 4	9 9	2 5	25 52	2 25	23 59	1 34	21 38	0 45	4 37	2 17	16 9	0 41	22 15	0 51	2 18	15 4	18 38	18 34	13 21	16 17	3 30			
T 27	16 31	9 32	2 58	8 54	2 18	25 55	2 27	23 59	1 37	21 37	0 45	4 40	2 17	16 9	0 41	22 15	0 51	2 18	15 4	18 38	18 35	13 19	16 18	3 30			
F 28	16 48	5 33	3 45	8 42	2 29	25 58	2 28	23 59	1 40	21 36	0 45	4 42	2 17	16 9	0 41	22 15	0 51	2 17	15 4	18 40	18 36	13 17	16 19	3 30			
S 29	17 4	1 17	4 22	8 32	2 40	26 0	2 30	23 59	1 43	21 35	0 45	4 45	2 17	16 9	0 41	22 15	0 51	2 17	15 4	18 42	18 37	13 16	16 20	3 30			
S 30	17n20	3n 6	4s48	8n25	2s49	26n 1	2n31	24s 0	1s47	21s35	0n45	4n48	2s17	16s 8	0s41	22s15	0n51	2s17	15n 4	18n44	18n37	13s14	16n21	3s30			

## ASTRODIENST EPHEMERIS for the year 1497

geocentric

MAY 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	15 11 44	19°8'19"04	18°53'	28°54'	18°54'	18°42'	12°R 7	17°40'	18°00'	10°R22	16°R12	6°R10	6°Ω45	0°43'	28°8' 2	M 1
T 2	15 15 41	20°16'50	14°48'	29° 9'	3° 1'	19° 2'	12°R 1	17°47'	18° 0'	10°R22	16°R11	5°Ω57	6°41'	0°49'	28° 6	T 2
W 3	15 19 37	21°14'35	27°59'	29°27'	4° 7'	19°21'	11°54'	17°54'	18° 1'	10°21	16° 9'	5°45'	6°38'	0°56'	28°11	W 3
T 4	15 23 34	22°12'18	11°II25	29°51'	5°13'	19°39'	11°48'	18° 1'	18° 1'	10°20	16° 7'	5°35'	6°35'	1° 3'	28°16	T 4
F 5	15 27 30	23°10'00	25° 2'	0°B18	6°19'	19°57'	11°41'	18° 7'	18° 2'	10°19	16° 6'	5°27'	6°32'	1° 9'	28°21	F 5
S 6	15 31 27	24° 7'41	8°Ω48	0°50'	7°25'	20°14'	11°34'	18°14'	18° 2'	10°18	16° 4'	5°22'	6°29'	1°16'	28°26	S 6
S 7	15 35 23	25° 5'20	22°42'	1°25'	8°30'	20°31'	11°27'	18°21'	18° 3'	10°17	16° 2'	5°20'	6°25'	1°23'	28°30	S 7
M 8	15 39 20	26° 2'57	6°Ω41	2° 5'	9°35'	20°48'	11°20'	18°27'	18° 3'	10°16	16° 1'	5°D19	6°22'	1°29'	28°35	M 8
T 9	15 43 16	27° 0'33	20°46'	2°48'	10°40'	21° 4'	11°13'	18°34'	18° 3'	10°15	15°59'	5°R19	6°19'	1°36'	28°40	T 9
W10	15 47 13	27°58'08	4°II54	3°35'	11°45'	21°19'	11° 5'	18°40'	18° 3'	10°14	15°58'	5°19'	6°16'	1°43'	28°45	W10
T 11	15 51 10	28°55'41	19° 4'	4°25'	12°50'	21°34'	10°58'	18°47'	18° 4'	10°13	15°56'	5°18'	6°13'	1°49'	28°49	T 11
F 12	15 55 6	29°53'12	3°Ω16	5°20'	13°54'	21°49'	10°51'	18°53'	18° 4'	10°11	15°54'	5°14'	6°10'	1°56'	28°54	F 12
S 13	15 59 3	0°II50'42	17°26'	6°17'	14°58'	22° 2'	10°43'	19° 0'	18° 4'	10°10	15°53'	5° 8'	6° 6'	2° 3'	28°59	S 13
S 14	16 2 59	1°48'11	1°M31	7°18'	16° 2'	22°16'	10°36'	19° 6'	18°R 4	10° 9'	15°51'	4°59'	6° 3'	2° 9'	29° 4	S 14
M15	16 6 56	2°45'38	15°27'	8°22'	17° 6'	22°28'	10°28'	19°12'	18° 4'	10° 8'	15°50'	4°50'	6° 0'	2°16'	29° 9	M15
T 16	16 10 52	3°43'05	29° 8'	9°29'	18° 9'	22°41'	10°21'	19°18'	18° 4'	10° 7'	15°48'	4°40'	5°57'	2°23'	29°13	T 16
W17	16 14 49	4°40'30	12°R34	10°39'	19°12'	22°52'	10°13'	19°25'	18° 3'	10° 6'	15°46'	4°31'	5°54'	2°29'	29°18	W17
T 18	16 18 45	5°37'55	25°40'	11°52'	20°15'	23° 3'	10° 6'	19°31'	18° 3'	10° 4'	15°45'	4°23'	5°50'	2°36'	29°23	T 18
F 19	16 22 42	6°35'18	8°Ω26	13° 9'	21°17'	23°13'	9°58'	19°37'	18° 3'	10° 3'	15°43'	4°18'	5°47'	2°43'	29°28	F 19
S 20	16 26 39	7°32'41	20°55'	14°28'	22°20'	23°23'	9°51'	19°43'	18° 3'	10° 2'	15°42'	4°15'	5°44'	2°49'	29°33	S 20
S 21	16 30 35	8°30'03	3°Ω 7	15°50'	23°22'	23°32'	9°43'	19°49'	18° 2'	10° 0'	15°40'	4°D14	5°41'	2°56'	29°37	S 21
M22	16 34 32	9°27'25	15° 7'	17°15'	24°23'	23°40'	9°35'	19°54'	18° 2'	9°59'	15°39'	4°14'	5°38'	3° 2'	29°42	M22
T 23	16 38 28	10°24'46	26°59'	18°42'	25°24'	23°48'	9°28'	20° 0'	18° 2'	9°58'	15°37'	4°15'	5°35'	3° 9'	29°47	T 23
W24	16 42 25	11°22'06	8°R49	20°13'	26°25'	23°55'	9°20'	20° 6'	18° 1'	9°56'	15°36'	4°R16	5°31'	3°16'	29°52	W24
T 25	16 46 21	12°19'26	20°41'	21°46'	27°26'	24° 1'	9°12'	20°12'	18° 1'	9°55'	15°34'	4°16'	5°28'	3°22'	29°56	T 25
F 26	16 50 18	13°16'45	2°Y40	23°22'	28°26'	24° 7'	9° 5'	20°17'	18° 0'	9°54'	15°33'	4°14'	5°25'	3°29'	0°II 1	F 26
S 27	16 54 14	14°14'04	14°53'	25° 1'	29°26'	24°12'	8°57'	20°23'	17°59'	9°52'	15°32'	4°10'	5°22'	3°36'	0° 6	S 27
S 28	16 58 11	15°11'23	27°21'	26°43'	0°Ω26	24°16'	8°50'	20°28'	17°59'	9°51'	15°30'	4° 4'	5°19'	3°42'	0°10	S 28
M29	17 2 8	16° 8'40	10°B 8	28°27'	1°25'	24°19'	8°42'	20°34'	17°58'	9°49'	15°29'	3°56'	5°16'	3°49'	0°15	M29
T 30	17 6 4	17° 5'58	2°3'16	0°II14	2°24'	24°22'	8°34'	20°39'	17°57'	9°48'	15°27'	3°49'	5°12'	3°56'	0°20	T 30
W31	17 10 1	18°II 3'15	6°II44	2°II 4	3°Ω23	24°Ω24	8°R27	20°Y44	17°Ω57	9°Ω47	15°M26	3°Ω41	5°Ω 9	4°R 2	0°II24	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	17n36	7n28	5 s 0	8n20	2s58	26n 1	2n32	24s 0	1s50	21s34	0n45	4n50	2s18	16s 8	0s41	22s15
T 2	17 52	11 35	4 58	8 18	3 5	26 1	2 33	24 1	1 53	21 33	0 45	4 53	2 18	16 8	0 42	22 15
W 3	18 7	15 14	4 39	8 19	3 12	26 0	2 34	24 1	1 56	21 32	0 45	4 55	2 18	16 8	0 42	22 15
T 4	18 22	18 10	4 5	8 22	3 18	25 58	2 35	24 2	2 0	21 31	0 45	4 57	2 18	16 8	0 42	22 15
F 5	18 37	20 8	3 17	8 27	3 22	25 56	2 35	24 3	2 3	21 31	0 45	5 0	2 18	16 8	0 42	22 15
S 6	18 51	20 57	2 16	8 34	3 26	25 53	2 36	24 3	2 6	21 30	0 44	5 2	2 18	16 8	0 42	22 15
S 7	19 5	20 30	1 7	8 44	3 29	25 50	2 36	24 4	2 10	21 29	0 44	5 5	2 18	16 8	0 42	22 15
M 8	19 19	18 46	0n 7	8 56	3 31	25 46	2 37	24 5	2 13	21 28	0 44	5 7	2 18	16 7	0 42	22 15
T 9	19 33	15 54	1 21	9 9	3 32	25 41	2 37	24 6	2 17	21 27	0 44	5 9	2 19	16 7	0 42	22 15
W10	19 46	12 5	2 31	9 25	3 32	25 35	2 37	24 7	2 21	21 26	0 44	5 12	2 19	16 7	0 42	22 15
T 11	19 58	7 34	3 31	9 42	3 32	25 29	2 37	24 9	2 24	21 25	0 44	5 14	2 19	16 7	0 42	22 15
F 12	20 11	2 39	4 18	10 2	3 30	25 23	2 37	24 10	2 28	21 24	0 44	5 16	2 19	16 7	0 42	22 15
S 13	20 23	2s24	4 50	10 22	3 28	25 16	2 37	24 11	2 32	21 23	0 44	5 19	2 19	16 7	0 42	22 16
S 14	20 35	7 17	5 3	10 45	3 25	25 8	2 37	24 13	2 36	21 22	0 44	5 21	2 19	16 7	0 42	22 16
M15	20 46	11 45	4 59	11 8	3 22	24 59	2 36	24 15	2 39	21 21	0 44	5 23	2 20	16 7	0 42	22 16
T 16	20 57	15 31	4 37	11 34	3 18	24 50	2 36	24 17	2 43	21 20	0 44	5 25	2 20	16 8	0 42	22 16
W17	21 8	18 24	4 0	12 0	3 13	24 41	2 35	24 19	2 47	21 19	0 44	5 27	2 20	16 8	0 42	22 16
T 18	21 18	20 15	3 11	12 28	3 8	24 30	2 34	24 21	2 51	21 18	0 43	5 30	2 20	16 8	0 42	22 16
F 19	21 28	21 1	2 14	12 56	3 1	24 20	2 33	24 23	2 55	21 17	0 43	5 32	2 20	16 8	0 42	22 16
S 20	21 38	20 42	1 11	13 26	2 55	24 9	2 32	24 25	3 0	21 16	0 43	5 34	2 20	16 8	0 42	22 16
S 21	21 47	19 25	0 6	13 57	2 48	23 57	2 30	24 28	3 4	21 15	0 43	5 36	2 21	16 8	0 42	22 16
M22	21 56	17 16	0s58	14 28	2 40	23 44	2 29	24 30	3 8	21 14	0 43	5 38	2 21	16 8	0 42	22 16
T 23	22 4	14 25	1 59	15 0	2 32	23 32	2 27	24 33	3 12	21 13	0 43	5 40	2 21	16 8	0 42	22 16
W24	22 12	10 59	2 55	15 33	2 23	23 18	2 26	24 36	3 17	21 12	0 43	5 42	2 21	16 9	0 42	22 17
T 25	22 20	7 8	3 44	16 6	2 14	23 5	2 24	24 39	3 21	21 11	0 43	5 44	2 21	16 9	0 42	22 17
F 26	22 27	2 57	4 23	16 39	2 4	22 50	2 22	24 43	3 25	21 10	0 42	5 46	2 21	16 9	0 42	22 17
S 27	22 34	1n24	4 51	17 13	1 55	22 36	2 20	24 46	3 30	21 9	0 42	5 48	2 22	16 9	0 42	22 17
S 28	22 41	5 48	5 6	17 47	1 44	22 21	2 17	24 50	3 34	21 8	0 42	5 50	2 22	16 9	0 43	22 17
M29	22 47	10 3	5 6	18 21	1 34	22 5	2 15	24 54	3 39	21 7	0 42	5 51	2 22	16 10	0 43	22 17
T 30	22 53	13 57	4 50	18 54	1 23	21 49	2 12	24 58	3 43	21 6	0 42	5 53	2 22	16 10	0 43	22 17
W31	22n58	17n15	4s19	19n27	1s12	21n33	2n 9	25s 2	3s48	21s 5	0n42	5n55	2s22	16s10	0s43	22s17

Julian Day Number = 2267957.5, Delta T = 297.37 sec

Ecliptic obliquity = 23°30'11", Nutation = - 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'36", Lahiri = 16°50'37" Julian Calendar 1 May 1497 == Greg. Calendar 10 May 1497

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

JUNE 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 13 57	19II 0'32	20II30	3II56	4II21	24II25	8°R20	20°Y49	17°R56	9°R45	15°R25	3°R34	5°Ω 6	4°✠ 9	0°II29	T 1
F 2	17 17 54	19°57'48	4°Ω31	5°51	5°18	24°R25	8°R12	20°55	17°R55	9°R44	15°R23	3°Ω30	5° 3	4°16	0°34	F 2
S 3	17 21 50	20°55'04	18°43	7°48	6°15	24°25	8° 5	21° 0	17°54	9°42	15°22	3°27	5° 0	4°22	0°38	S 3
S 4	17 25 47	21°52'19	3°Ω 1	9°47	7°12	24°24	7°58	21° 5	17°53	9°41	15°21	3°D26	4°56	4°29	0°43	S 4
M 5	17 29 43	22°49'33	17°21	11°49	8° 9	24°22	7°50	21°10	17°52	9°39	15°20	3°27	4°53	4°36	0°47	M 5
T 6	17 33 40	23°46'47	1°II40	13°53	9° 4	24°19	7°43	21°14	17°51	9°37	15°18	3°28	4°50	4°42	0°52	T 6
W 7	17 37 37	24°44'00	15°54	15°58	10° 0	24°16	7°36	21°19	17°50	9°36	15°17	3°29	4°47	4°49	0°56	W 7
T 8	17 41 33	25°41'12	0°Ω 3	18° 5	10°54	24°12	7°29	21°24	17°49	9°34	15°16	3°R29	4°44	4°56	1° 1	T 8
F 9	17 45 30	26°38'24	14° 4	20°13	11°49	24° 7	7°22	21°29	17°47	9°33	15°15	3°28	4°41	5° 2	1° 5	F 9
S 10	17 49 26	27°35'35	27°56	22°22	12°42	24° 1	7°15	21°33	17°46	9°31	15°14	3°25	4°37	5° 9	1°10	S 10
S 11	17 53 23	28°32'45	11°II38	24°33	13°35	23°55	7° 9	21°38	17°45	9°30	15°13	3°21	4°34	5°16	1°14	S 11
M12	17 57 19	29°29'56	25° 7	26°43	14°28	23°48	7° 2	21°42	17°44	9°28	15°12	3°16	4°31	5°22	1°19	M12
T 13	18 1 16	0°Ω27'06	8°R24	28°54	15°20	23°40	6°56	21°46	17°42	9°26	15°11	3°11	4°28	5°29	1°23	T 13
W14	18 5 12	1°24'15	21°26	19° 5	16°11	23°32	6°49	21°50	17°41	9°25	15°10	3° 6	4°25	5°36	1°27	W14
T 15	18 9 9	2°21'25	4°Ω13	3°15	17° 1	23°23	6°43	21°55	17°40	9°23	15° 9	3° 2	4°22	5°42	1°32	T 15
F 16	18 13 6	3°18'34	16°45	5°25	17°51	23°13	6°37	21°59	17°38	9°22	15° 8	2°59	4°18	5°49	1°36	F 16
S 17	18 17 2	4°15'44	29° 4	7°35	18°40	23° 3	6°31	22° 3	17°37	9°20	15° 7	2°D58	4°15	5°56	1°40	S 17
S 18	18 20 59	5°12'54	11°R10	9°43	19°29	22°52	6°25	22° 6	17°35	9°18	15° 6	2°59	4°12	6° 2	1°45	S 18
M19	18 24 55	6°10'03	23° 8	11°50	20°16	22°40	6°19	22°10	17°33	9°17	15° 5	3° 0	4° 9	6° 9	1°49	M19
T 20	18 28 52	7° 7'13	4°R59	13°55	21° 3	22°28	6°13	22°14	17°32	9°15	15° 4	3° 1	4° 6	6°16	1°53	T 20
W21	18 32 48	8° 4'24	16°49	16° 0	21°49	22°15	6° 8	22°18	17°30	9°14	15° 3	3° 3	4° 2	6°22	1°57	W21
T 22	18 36 45	9° 1'34	28°41	18° 2	22°34	22° 2	6° 2	22°21	17°29	9°12	15° 2	3° 4	3°59	6°29	2° 1	T 22
F 23	18 40 41	9°58'45	10°Y41	20° 3	23°19	21°48	5°57	22°25	17°27	9°10	15° 2	3°R 5	3°56	6°36	2° 5	F 23
S 24	18 44 38	10°55'57	22°53	22° 2	24° 2	21°34	5°52	22°28	17°25	9° 9	15° 1	3° 4	3°53	6°42	2° 9	S 24
S 25	18 48 35	11°53'09	5°R22	24° 0	24°44	21°19	5°47	22°31	17°23	9° 7	15° 0	3° 3	3°50	6°49	2°13	S 25
M26	18 52 31	12°50'21	18°11	25°55	25°26	21° 4	5°42	22°34	17°21	9° 5	14°59	3° 0	3°47	6°56	2°17	M26
T 27	18 56 28	13°47'35	1°II23	27°49	26° 6	20°48	5°38	22°37	17°20	9° 4	14°59	2°58	3°43	7° 2	2°21	T 27
W28	19 0 24	14°44'48	14°59	29°41	26°45	20°32	5°33	22°40	17°18	9° 2	14°58	2°55	3°40	7° 9	2°25	W28
T 29	19 4 21	15°42'02	28°59	1°Ω31	27°24	20°16	5°29	22°43	17°16	9° 1	14°58	2°53	3°37	7°16	2°29	T 29
F 30	19 8 17	16°39'17	13°Ω18	3°Ω19	28°Ω 1	20°Ω 0	5°R24	22°Y46	17°R14	8°R59	14°R57	2°Ω52	3°Ω34	7°R22	2°II33	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	23n 3	19n39	3s31	20n 0	1s 1	21n16	2n 6	25s 6	3s52	21s 4	0n42	5n57	2s23	16s11	0s43	22s17
F 2	23 7	20 55	2 30	20 32	0 49	20 59	2 3	25 10	3 57	21 3	0 41	5 59	2 23	16 11	0 43	22 17
S 3	23 11	20 53	1 19	21 3	0 38	20 41	2 0	25 15	4 1	21 2	0 41	6 0	2 23	16 11	0 43	22 18
S 4	23 15	19 30	0 2	21 32	0 27	20 24	1 56	25 20	4 6	21 1	0 41	6 2	2 23	16 11	0 43	22 18
M 5	23 18	16 52	1n15	22 1	0 15	20 5	1 53	25 25	4 10	21 0	0 41	6 4	2 24	16 12	0 43	22 18
T 6	23 21	13 12	2 27	22 27	0 4	19 47	1 49	25 29	4 15	20 59	0 41	6 5	2 24	16 12	0 43	22 18
W 7	23 24	8 48	3 30	22 52	0n 7	19 28	1 45	25 35	4 20	20 58	0 41	6 7	2 24	16 13	0 43	22 18
T 8	23 26	3 57	4 20	23 16	0 18	19 9	1 40	25 40	4 24	20 57	0 40	6 8	2 24	16 13	0 43	22 18
F 9	23 28	1s 3	4 54	23 36	0 28	18 50	1 36	25 45	4 29	20 56	0 40	6 10	2 24	16 13	0 43	22 18
S 10	23 29	5 56	5 10	23 55	0 38	18 30	1 31	25 51	4 33	20 55	0 40	6 11	2 25	16 14	0 43	22 18
S 11	23 30	10 28	5 8	24 11	0 48	18 10	1 27	25 56	4 38	20 54	0 40	6 13	2 25	16 14	0 43	22 18
M12	23 30	14 25	4 49	24 24	0 57	17 50	1 22	26 2	4 42	20 53	0 40	6 14	2 25	16 15	0 43	22 19
T 13	23 30	17 34	4 15	24 35	1 5	17 30	1 16	26 8	4 47	20 52	0 40	6 16	2 25	16 15	0 43	22 19
W14	23 30	19 46	3 28	24 43	1 13	17 9	1 11	26 14	4 51	20 52	0 39	6 17	2 26	16 15	0 43	22 19
T 15	23 29	20 55	2 31	24 48	1 20	16 49	1 5	26 19	4 56	20 51	0 39	6 18	2 26	16 16	0 43	22 19
F 16	23 28	21 0	1 28	24 50	1 26	16 28	1 0	26 25	5 0	20 50	0 39	6 19	2 26	16 16	0 43	22 19
S 17	23 26	20 3	0 21	24 49	1 32	16 7	0 54	26 31	5 4	20 49	0 39	6 21	2 26	16 17	0 43	22 19
S 18	23 24	18 11	0s45	24 46	1 37	15 46	0 47	26 37	5 8	20 48	0 39	6 22	2 27	16 17	0 43	22 19
M19	23 22	15 33	1 49	24 39	1 41	15 25	0 41	26 44	5 13	20 47	0 38	6 23	2 27	16 18	0 43	22 19
T 20	23 19	12 18	2 47	24 31	1 45	15 4	0 34	26 50	5 17	20 47	0 38	6 24	2 27	16 18	0 43	22 20
W21	23 15	8 34	3 38	24 19	1 48	14 42	0 28	26 56	5 21	20 46	0 38	6 25	2 27	16 19	0 43	22 20
T 22	23 12	4 30	4 20	24 6	1 50	14 21	0 20	27 2	5 24	20 45	0 38	6 26	2 28	16 20	0 43	22 20
F 23	23 8	0 14	4 52	23 50	1 51	14 0	0 13	27 8	5 28	20 44	0 38	6 28	2 28	16 20	0 43	22 20
S 24	23 3	4n 7	5 10	23 32	1 52	13 38	0 6	27 14	5 32	20 44	0 38	6 29	2 28	16 21	0 43	22 20
S 25	22 58	8 23	5 15	23 12	1 52	13 17	0s 2	27 20	5 35	20 43	0 37	6 30	2 28	16 21	0 43	22 20
M26	22 53	12 25	5 4	22 50	1 51	12 55	0 10	27 25	5 39	20 42	0 37	6 30	2 29	16 22	0 43	22 20
T 27	22 47	15 58	4 38	22 26	1 49	12 34	0 18	27 31	5 42	20 42	0 37	6 31	2 29	16 22	0 43	22 20
W28	22 41	18 46	3 55	22 1	1 47	12 13	0 27	27 37	5 45	20 41	0 37	6 32	2 29	16 23	0 43	22 21
T 29	22 35	20 33	2 56	21 35	1 45	11 51	0 35	27 42	5 48	20 41	0 37	6 33	2 29	16 24	0 44	22 21
F 30	22n28	21n 5	1s46	21n 7	1n42	11n30	0s44	27s47	5s51	20s40	0n36	6n34	2s30	16s24	0s44	22s21

Julian Day Number = 2267988.5, Delta T = 297.19 sec

Ecliptic obliquity = 23°30'11, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'41, Lahiri = 16°50'41 Julian Calendar 1 June 1497 == Greg. Calendar 10 June 1497



# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

JULY 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 12 14	17°36'32	27°52	5°06	28°136	19°R43	5°R20	22°Y49	17°R12	8°R57	14°R56	2°D51	3°Ω31	7°K29	2°II37	S 1
S 2	19 16 11	18°33'48	12°Ω35	6°50	29°11	19°Z27	5°X17	22°51	17°≈10	8°Z56	14°M56	2°Ω51	3°28	7°36	2°40	S 2
M 3	19 20 7	19°31'04	27°20	8°33	29°44	19°10	5°13	22°54	17° 8	8°54	14°56	2°52	3°24	7°42	2°44	M 3
T 4	19 24 4	20°28'20	12°M 0	10°14	0°M 16	18°53	5° 9	22°56	17° 6	8°53	14°55	2°53	3°21	7°49	2°48	T 4
W 5	19 28 0	21°25'36	26°31	11°53	0°47	18°36	5° 6	22°59	17° 4	8°51	14°55	2°54	3°18	7°56	2°51	W 5
T 6	19 31 57	22°22'53	10°Ω48	13°30	1°16	18°20	5° 3	23° 1	17° 2	8°50	14°54	2°54	3°15	8° 2	2°55	T 6
F 7	19 35 53	23°20'09	24°49	15° 5	1°44	18° 3	5° 0	23° 3	17° 0	8°48	14°54	2°R54	3°12	8° 9	2°59	F 7
S 8	19 39 50	24°17'27	8°M32	16°38	2°10	17°47	4°57	23° 5	16°58	8°46	14°54	2°54	3° 8	8°16	3° 2	S 8
S 9	19 43 46	25°14'44	21°59	18°10	2°34	17°30	4°54	23° 7	16°55	8°45	14°53	2°53	3° 5	8°22	3° 5	S 9
M10	19 47 43	26°12'02	5°X 9	19°39	2°57	17°14	4°52	23° 9	16°53	8°43	14°53	2°53	3° 2	8°29	3° 9	M10
T 11	19 51 39	27° 9'21	18° 4	21° 7	3°18	16°58	4°49	23°11	16°51	8°42	14°53	2°52	2°59	8°36	3°12	T 11
W12	19 55 36	28° 6'40	0°Z45	22°33	3°37	16°43	4°47	23°12	16°49	8°40	14°53	2°51	2°56	8°43	3°16	W12
T 13	19 59 33	29° 4'00	13°13	23°57	3°54	16°28	4°45	23°14	16°47	8°39	14°53	2°51	2°53	8°49	3°19	T 13
F 14	20 3 29	0°Ω 1'21	25°30	25°19	4° 9	16°13	4°44	23°15	16°44	8°37	14°53	2°51	2°49	8°56	3°22	F 14
S 15	20 7 26	0°58'42	7°≈37	26°39	4°23	15°59	4°42	23°16	16°42	8°36	14°52	2°D51	2°46	9° 3	3°25	S 15
S 16	20 11 22	1°56'05	19°35	27°56	4°34	15°45	4°41	23°18	16°40	8°34	14°52	2°51	2°43	9° 9	3°28	S 16
M17	20 15 19	2°53'28	1°K29	29°12	4°43	15°32	4°39	23°19	16°37	8°33	14°D52	2°R51	2°40	9°16	3°31	M17
T 18	20 19 15	3°50'52	13°18	0°M 26	4°50	15°19	4°38	23°20	16°35	8°32	14°52	2°51	2°37	9°23	3°34	T 18
W19	20 23 12	4°48'18	25° 8	1°37	4°55	15° 7	4°37	23°21	16°33	8°30	14°52	2°51	2°34	9°29	3°37	W19
T 20	20 27 9	5°45'45	7°Y 1	2°46	4°57	14°56	4°37	23°21	16°31	8°29	14°53	2°50	2°30	9°36	3°40	T 20
F 21	20 31 5	6°43'12	19° 0	3°53	4°R58	14°45	4°36	23°22	16°28	8°27	14°53	2°50	2°27	9°43	3°43	F 21
S 22	20 35 2	7°40'42	1°X11	4°57	4°56	14°34	4°36	23°23	16°26	8°26	14°53	2°50	2°24	9°49	3°46	S 22
S 23	20 38 58	8°38'12	13°37	5°59	4°52	14°25	4°D36	23°23	16°23	8°25	14°53	2°D50	2°21	9°56	3°49	S 23
M24	20 42 55	9°35'44	26°23	6°58	4°45	14°16	4°36	23°24	16°21	8°23	14°53	2°50	2°18	10° 3	3°51	M24
T 25	20 46 51	10°33'18	9°II32	7°54	4°36	14° 8	4°36	23°24	16°19	8°22	14°54	2°51	2°14	10° 9	3°54	T 25
W26	20 50 48	11°30'53	23° 7	8°47	4°24	14° 0	4°37	23°24	16°16	8°21	14°54	2°51	2°11	10°16	3°56	W26
T 27	20 54 44	12°28'29	7°Ω 8	9°37	4°11	13°54	4°37	23°R24	16°14	8°19	14°54	2°52	2° 8	10°23	3°59	T 27
F 28	20 58 41	13°26'07	21°34	10°24	3°55	13°48	4°38	23°24	16°12	8°18	14°55	2°53	2° 5	10°29	4° 1	F 28
S 29	21 2 38	14°23'46	6°Ω20	11° 7	3°36	13°42	4°39	23°24	16° 9	8°17	14°55	2°R53	2° 2	10°36	4° 4	S 29
S 30	21 6 34	15°21'27	21°20	11°47	3°16	13°38	4°40	23°24	16° 7	8°16	14°55	2°52	1°59	10°43	4° 6	S 30
M31	21 10 31	16°Ω19'08	6°M 26	12°M 23	2°M 53	13°Z35	4°X42	23°Y23	16°≈ 4	8°Z14	14°M56	2°Ω51	1°Ω55	10°K49	4°II 8	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	22n20	20n12	0s28	20n38	1n38	11n 9	0s53	27s53	5s54	20s39	0n36	6n35	2s30	16s25	0s44	22s21
S 2	22 13	17 56	0n54	20 8	1 34	10 48	1 3	27 58	5 56	20 39	0 36	6 35	2 30	16 25	0 44	22 21
M 3	22 5 14	29 10	2 12	19 36	1 29	10 28	1 12	28 2	5 59	20 39	0 36	6 36	2 30	16 26	0 44	22 21
T 4	21 56	10 10	3 20	19 4	1 24	10 7	1 22	28 7	6 1	20 38	0 35	6 37	2 31	16 27	0 44	22 21
W 5	21 48	5 18	4 15	18 31	1 18	9 47	1 32	28 12	6 3	20 38	0 35	6 37	2 31	16 27	0 44	22 21
T 6	21 38	0 13	4 54	17 58	1 12	9 27	1 43	28 16	6 5	20 37	0 35	6 38	2 31	16 28	0 44	22 22
F 7	21 29	4s46	5 14	17 24	1 5	9 7	1 53	28 20	6 6	20 37	0 35	6 38	2 31	16 29	0 44	22 22
S 8	21 19	9 24	5 16	16 49	0 59	8 48	2 4	28 24	6 8	20 37	0 35	6 39	2 32	16 29	0 44	22 22
S 9	21 9	13 29	5 0	16 14	0 51	8 29	2 15	28 27	6 9	20 36	0 34	6 39	2 32	16 30	0 44	22 22
M10	20 58	16 49	4 28	15 39	0 43	8 10	2 27	28 31	6 10	20 36	0 34	6 40	2 32	16 31	0 44	22 22
T 11	20 47	19 15	3 44	15 3	0 35	7 52	2 38	28 34	6 11	20 36	0 34	6 40	2 33	16 31	0 44	22 22
W12	20 36	20 41	2 49	14 28	0 27	7 34	2 50	28 36	6 12	20 36	0 34	6 40	2 33	16 32	0 44	22 22
T 13	20 24	21 4	1 47	13 52	0 18	7 17	3 2	28 39	6 13	20 36	0 34	6 41	2 33	16 33	0 44	22 22
F 14	20 12	20 26	0 41	13 16	0 9	7 0	3 14	28 41	6 13	20 35	0 33	6 41	2 33	16 33	0 44	22 22
S 15	20 0	18 51	0s26	12 40	0 0	6 44	3 26	28 43	6 14	20 35	0 33	6 41	2 34	16 34	0 44	22 23
S 16	19 47	16 26	1 32	12 4	0s10	6 28	3 39	28 45	6 14	20 35	0 33	6 41	2 34	16 35	0 44	22 23
M17	19 34	13 21	2 32	11 29	0 19	6 13	3 51	28 47	6 14	20 35	0 33	6 42	2 34	16 36	0 44	22 23
T 18	19 21	9 45	3 26	10 54	0 29	5 59	4 4	28 48	6 14	20 35	0 33	6 42	2 34	16 36	0 44	22 23
W19	19 7	5 47	4 11	10 19	0 40	5 45	4 17	28 49	6 13	20 35	0 32	6 42	2 35	16 37	0 44	22 23
T 20	18 53	1 35	4 46	9 44	0 50	5 32	4 30	28 50	6 13	20 36	0 32	6 42	2 35	16 38	0 44	22 23
F 21	18 39	2n42	5 8	9 10	1 1	5 19	4 43	28 51	6 12	20 36	0 32	6 42	2 35	16 38	0 44	22 23
S 22	18 24	6 57	5 17	8 37	1 11	5 8	4 56	28 51	6 11	20 36	0 32	6 42	2 36	16 39	0 44	22 23
S 23	18 9	11 0	5 12	8 4	1 22	4 57	5 9	28 51	6 10	20 36	0 31	6 42	2 36	16 40	0 44	22 23
M24	17 54	14 41	4 51	7 32	1 33	4 47	5 22	28 51	6 9	20 36	0 31	6 42	2 36	16 41	0 44	22 24
T 25	17 38	17 45	4 15	7 1	1 44	4 38	5 36	28 51	6 8	20 36	0 31	6 41	2 36	16 41	0 44	22 24
W26	17 22	19 57	3 23	6 31	1 55	4 30	5 48	28 51	6 7	20 37	0 31	6 41	2 37	16 42	0 44	22 24
T 27	17 6	21 1	2 18	6 2	2 7	4 23	6 1	28 50	6 5	20 37	0 31	6 41	2 37	16 43	0 44	22 24
F 28	16 50	20 45	1 2	5 34	2 18	4 17	6 14	28 49	6 4	20 37	0 30	6 41	2 37	16 43	0 44	22 24
S 29	16 33	19 3	0n19	5 7	2 29	4 12	6 26	28 48	6 2	20 38	0 30	6 40	2 38	16 44	0 44	22 24
S 30	16 16	16 1	1 41	4 42	2 40	4 8	6 38	28 46	6 0	20 38	0 30	6 40	2 38	16 45	0 44	22 24
M31	15n59	11n53	2n55	4n18	2s51	4n 6	6s50	28s45	5s58	20s39	0n30	6n40	2s38	16s46	0s44	22s24

Julian Day Number = 2268018.5, Delta T = 297.02 sec

Ecliptic obliquity = 23°30'11, Nutation = - 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'45, Lahiri = 16°50'45 Julian Calendar 1 July 1497 == Greg. Calendar 10 July 1497



# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

AUGUST 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 14 27	17°16'51	21°28'28	12°55'55	2°28'28	13°32'32	4°43'43	23°23'23	16°R 2	8°R13	14°M56	2°R50	1°Q52	10°K56	4°II11	T 1
W 2	21 18 24	18°14'35	6°19'19	13°22'22	2°11'11	13°30'30	4°45'45	23°22'22	16°R 0	8°R12	14°57'57	2°Q48	1°49'49	11°3'3	4°13'13	W 2
T 3	21 22 20	19°12'20	20°51'51	13°45'45	1°32'32	13°29'29	4°47'47	23°21'21	15°57'57	8°11'11	14°57'57	2°46'46	1°46'46	11°9'9	4°15'15	T 3
F 4	21 26 17	20°10'07	5°M 0	14°4'4	1°2'2	13°D29	4°49'49	23°21'21	15°55'55	8°10'10	14°58'58	2°45'45	1°43'43	11°16'16	4°17'17	F 4
S 5	21 30 13	21°7'54	18°45'45	14°17'17	0°30'30	13°30'30	4°51'51	23°20'20	15°52'52	8°9'9	14°59'59	2°D44	1°40'40	11°23'23	4°19'19	S 5
S 6	21 34 10	22°5'43	2°7'7	14°25'25	29°Q56	13°31'31	4°54'54	23°19'19	15°50'50	8°8'8	14°59'59	2°45'45	1°36'36	11°29'29	4°21'21	S 6
M 7	21 38 6	23°3'32	15°7'7	14°R27	29°22'22	13°34'34	4°56'56	23°18'18	15°48'48	8°7'7	15°0'0	2°46'46	1°33'33	11°36'36	4°22'22	M 7
T 8	21 42 3	24°1'24	27°48'48	14°24'24	28°46'46	13°37'37	4°59'59	23°17'17	15°45'45	8°6'6	15°1'1	2°47'47	1°30'30	11°43'43	4°24'24	T 8
W 9	21 46 0	24°59'16	10°31'31	14°15'15	28°10'10	13°41'41	5°2'2	23°15'15	15°43'43	8°5'5	15°2'2	2°49'49	1°27'27	11°49'49	4°26'26	W 9
T 10	21 49 56	25°57'10	22°26'26	14°1'1	27°33'33	13°46'46	5°5'5	23°14'14	15°41'41	8°4'4	15°2'2	2°50'50	1°24'24	11°56'56	4°28'28	T 10
F 11	21 53 53	26°55'05	4°30'30	13°40'40	26°56'56	13°51'51	5°9'9	23°12'12	15°38'38	8°3'3	15°3'3	2°R50	1°20'20	12°3'3	4°29'29	F 11
S 12	21 57 49	27°53'02	16°27'27	13°13'13	26°18'18	13°58'58	5°12'12	23°11'11	15°36'36	8°2'2	15°4'4	2°49'49	1°17'17	12°9'9	4°31'31	S 12
S 13	22 1 46	28°51'00	28°20'20	12°40'40	25°41'41	14°5'5	5°16'16	23°9'9	15°34'34	8°1'1	15°5'5	2°47'47	1°14'14	12°16'16	4°32'32	S 13
M14	22 5 42	29°48'59	10°K10	12°2'2	25°5'5	14°13'13	5°20'20	23°7'7	15°31'31	8°0'0	15°6'6	2°44'44	1°11'11	12°23'23	4°33'33	M14
T 15	22 9 39	0°47'01	22°0'0	11°18'18	24°29'29	14°22'22	5°24'24	23°5'5	15°29'29	7°59'59	15°7'7	2°40'40	1°8'8	12°29'29	4°35'35	T 15
W16	22 13 35	1°45'04	3°Y51	10°30'30	23°54'54	14°31'31	5°28'28	23°3'3	15°27'27	7°59'59	15°8'8	2°35'35	1°5'5	12°36'36	4°36'36	W16
T 17	22 17 32	2°43'09	15°47'47	9°37'37	23°20'20	14°42'42	5°32'32	23°1'1	15°25'25	7°58'58	15°9'9	2°29'29	1°1'1	12°43'43	4°37'37	T 17
F 18	22 21 29	3°41'16	27°49'49	8°42'42	22°47'47	14°53'53	5°37'37	22°59'59	15°22'22	7°57'57	15°10'10	2°25'25	0°58'58	12°50'50	4°38'38	F 18
S 19	22 25 25	4°39'25	10°R 1	7°44'44	22°16'16	15°4'4	5°42'42	22°57'57	15°20'20	7°56'56	15°11'11	2°21'21	0°55'55	12°56'56	4°39'39	S 19
S 20	22 29 22	5°37'36	22°26'26	6°45'45	21°47'47	15°17'17	5°46'46	22°54'54	15°18'18	7°56'56	15°12'12	2°19'19	0°52'52	13°3'3	4°40'40	S 20
M21	22 33 18	6°35'49	5°II 8	5°47'47	21°19'19	15°30'30	5°51'51	22°52'52	15°16'16	7°55'55	15°13'13	2°D18	0°49'49	13°10'10	4°41'41	M21
T 22	22 37 15	7°34'04	18°10'10	4°50'50	20°54'54	15°44'44	5°57'57	22°49'49	15°14'14	7°54'54	15°15'15	2°18'18	0°45'45	13°16'16	4°42'42	T 22
W23	22 41 11	8°32'21	1°37'37	3°56'56	20°30'30	15°58'58	6°2'2	22°47'47	15°11'11	7°54'54	15°16'16	2°20'20	0°42'42	13°23'23	4°43'43	W23
T 24	22 45 8	9°30'40	15°30'30	3°6'6	20°9'9	16°13'13	6°7'7	22°44'44	15°9'9	7°53'53	15°17'17	2°21'21	0°39'39	13°30'30	4°43'43	T 24
F 25	22 49 4	10°29'02	29°49'49	2°22'22	19°50'50	16°29'29	6°13'13	22°41'41	15°7'7	7°53'53	15°18'18	2°R22	0°36'36	13°36'36	4°44'44	F 25
S 26	22 53 1	11°27'25	14°Q33	1°44'44	19°33'33	16°46'46	6°19'19	22°38'38	15°5'5	7°52'52	15°20'20	2°21'21	0°33'33	13°43'43	4°45'45	S 26
S 27	22 56 58	12°25'51	29°36'36	1°13'13	19°19'19	17°3'3	6°25'25	22°35'35	15°3'3	7°52'52	15°21'21	2°19'19	0°30'30	13°50'50	4°45'45	S 27
M28	23 0 54	13°24'18	14°M50	0°51'51	19°7'7	17°20'20	6°31'31	22°32'32	15°1'1	7°51'51	15°22'22	2°15'15	0°26'26	13°56'56	4°45'45	M28
T 29	23 4 51	14°22'47	0°16'16	0°38'38	18°57'57	17°39'39	6°37'37	22°29'29	14°59'59	7°51'51	15°24'24	2°9'9	0°23'23	14°3'3	4°46'46	T 29
W30	23 8 47	15°21'18	15°11'11	0°D33	18°50'50	17°58'58	6°44'44	22°26'26	14°57'57	7°50'50	15°25'25	2°3'3	0°20'20	14°10'10	4°46'46	W30
T 31	23 12 44	16°19'51	29°15'15	0°M39	18°46'46	18°31'31	6°49'49	22°22'22	14°55'55	7°50'50	15°27'27	2°11'11	0°17'17	14°16'16	4°46'46	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n42	7n 2	3n58	3n56	3s 2	4n 4	7s 1	28s43	5s56	20s39	0n30	6n39	2s38	16s46	0s44	22s24
W 2	15 24	1 49	4 43	3 36	3 12	4 3	7 12	28 41	5 54	20 40	0 29	6 39	2 39	16 47	0 44	22 25
T 3	15 6	3s23	5 9	3 17	3 23	4 3	7 23	28 39	5 52	20 40	0 29	6 38	2 39	16 48	0 44	22 25
F 4	14 48	8 16	5 16	3 1	3 32	4 5	7 32	28 37	5 50	20 41	0 29	6 38	2 39	16 48	0 44	22 25
S 5	14 30	12 35	5 4	2 47	3 42	4 7	7 42	28 34	5 47	20 41	0 29	6 37	2 39	16 49	0 44	22 25
S 6	14 11	16 8	4 36	2 36	3 51	4 11	7 50	28 32	5 45	20 42	0 29	6 37	2 40	16 50	0 44	22 25
M 7	13 52	18 48	3 54	2 27	3 59	4 15	7 58	28 29	5 42	20 43	0 28	6 36	2 40	16 51	0 44	22 25
T 8	13 33	20 28	3 1	2 21	4 7	4 21	8 5	28 26	5 40	20 43	0 28	6 35	2 40	16 51	0 44	22 25
W 9	13 14	21 5	2 2	2 19	4 14	4 28	8 11	28 23	5 37	20 44	0 28	6 34	2 40	16 52	0 44	22 25
T 10	12 54	20 42	0 57	2 19	4 19	4 35	8 16	28 20	5 34	20 45	0 28	6 34	2 41	16 53	0 44	22 25
F 11	12 34	19 20	0s 9	2 23	4 24	4 43	8 21	28 17	5 32	20 46	0 28	6 33	2 41	16 53	0 44	22 25
S 12	12 14	17 8	1 14	2 30	4 27	4 52	8 24	28 13	5 29	20 47	0 27	6 32	2 41	16 54	0 44	22 25
S 13	11 54	14 12	2 16	2 41	4 29	5 2	8 27	28 10	5 26	20 47	0 27	6 31	2 41	16 55	0 44	22 26
M14	11 34	10 43	3 11	2 55	4 30	5 12	8 28	28 6	5 23	20 48	0 27	6 30	2 42	16 55	0 44	22 26
T 15	11 13	6 49	3 58	3 12	4 28	5 23	8 29	28 2	5 20	20 49	0 27	6 29	2 42	16 56	0 44	22 26
W16	10 53	2 39	4 34	3 34	4 25	5 35	8 29	27 58	5 17	20 50	0 27	6 28	2 42	16 57	0 44	22 26
T 17	10 32	1n37	4 59	3 58	4 20	5 46	8 28	27 54	5 14	20 51	0 26	6 27	2 42	16 57	0 44	22 26
F 18	10 11	5 53	5 11	4 25	4 13	5 59	8 26	27 50	5 12	20 52	0 26	6 26	2 43	16 58	0 44	22 26
S 19	9 50	9 57	5 9	4 54	4 5	6 11	8 23	27 45	5 9	20 53	0 26	6 25	2 43	16 59	0 44	22 26
S 20	9 28	13 42	4 53	5 26	3 54	6 23	8 20	27 41	5 5	20 54	0 26	6 24	2 43	16 59	0 44	22 26
M21	9 7	16 54	4 23	5 59	3 41	6 36	8 15	27 36	5 2	20 55	0 26	6 23	2 43	17 0	0 44	22 26
T 22	8 45	19 22	3 38	6 33	3 27	6 49	8 10	27 32	4 59	20 56	0 26	6 22	2 44	17 1	0 44	22 26
W23	8 23	20 50	2 40	7 7	3 11	7 1	8 5	27 27	4 56	20 57	0 25	6 21	2 44	17 1	0 44	22 26
T 24	8 1	21 6	1 31	7 41	2 54	7 14	7 58	27 22	4 53	20 58	0 25	6 20	2 44	17 2	0 44	22 26
F 25	7 39	20 1	0 14	8 14	2 36	7 26	7 52	27 17	4 50	21 0	0 25	6 18	2 44	17 3	0 44	22 26
S 26	7 17	17 34	1n 6	8 45	2 17	7 38	7 44	27 12	4 47	21 1	0 25	6 17	2 44	17 3	0 44	22 27
S 27	6 55	13 52	2 23	9 14	1 58	7 50	7 36	27 6	4 44	21 2	0 25	6 16	2 45	17 4	0 44	22 27
M28	6 32	9 13	3 30	9 40	1 38	8 2	7 28	27 1	4 41	21 3	0 24	6 14	2 45	17 4	0 44	22 27
T 29	6 10	3 58	4 22	10 3	1 19	8 13	7 19	26 55	4 38	21 4	0 24	6 13	2 45	17 5	0 44	22 27
W30	5 47	1s27	4 56	10 23	0 59	8 24	7 10	26 50	4 35	21 6	0 24	6 12	2 45	17 5	0 44	22 27
T 31	5n24	6s40	5n 9	10n38	0s41	8n34	7s 1	26s44	4s31	21s 7	0n24	6n10	2s45	17s 6	0s44	22s27

Julian Day Number = 2268049.5, Delta T = 296.83 sec

Ecliptic obliquity = 23°30'12, Nutation = - 0°00'13, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'49, Lahiri = 16°50'50 Julian Calendar 1 Aug. 1497 == Greg. Calendar 10 Aug. 1497

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

SEPTEMBER 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23 16 40	17 <sup>11</sup> 18'26	14 <sup>11</sup> 20	0 <sup>11</sup> 53	18°D43	18 <sup>11</sup> 38	6 <sup>11</sup> 57	22°R19	14°R53	7°R50	15 <sup>11</sup> 28	1°R51	0 <sup>11</sup> 14	14 <sup>11</sup> 23	4 <sup>11</sup> 46	F 1
S 2	23 20 37	18°17'02	28°13	1°17	18 <sup>11</sup> 43	18°58	7° 4	22 <sup>11</sup> 16	14 <sup>11</sup> 51	7 <sup>11</sup> 49	15°30	1 <sup>11</sup> 47	0°11	14°30	4°R46	S 2
S 3	23 24 33	19°15'40	11 <sup>11</sup> 37	1°51	18°46	19°20	7°11	22°12	14°50	7°49	15°31	1°45	0° 7	14°36	4°46	S 3
M 4	23 28 30	20°14'20	24°35	2°33	18°50	19°41	7°18	22° 8	14°48	7°49	15°33	1°D45	0° 4	14°43	4°46	M 4
T 5	23 32 27	21°13'01	7 <sup>11</sup> 31	3°23	18°57	20° 4	7°25	22° 5	14°46	7°49	15°34	1°46	0° 1	14°50	4°46	T 5
W 6	23 36 23	22°11'44	19°29	4°22	19° 6	20°27	7°33	22° 1	14°44	7°49	15°36	1°47	29 <sup>11</sup> 58	14°56	4°46	W 6
T 7	23 40 20	23°10'29	1 <sup>11</sup> 34	5°27	19°17	20°50	7°40	21°57	14°42	7°48	15°37	1°R48	29°55	15° 3	4°45	T 7
F 8	23 44 16	24° 9'16	13°30	6°39	19°31	21°14	7°48	21°53	14°41	7°48	15°39	1°47	29°51	15°10	4°45	F 8
S 9	23 48 13	25° 8'04	25°21	7°57	19°46	21°38	7°56	21°49	14°39	7°48	15°41	1°44	29°48	15°17	4°45	S 9
S 10	23 52 9	26° 6'55	7 <sup>11</sup> 10	9°20	20° 4	22° 3	8° 4	21°45	14°38	7°D48	15°43	1°39	29°45	15°23	4°44	S 10
M 11	23 56 6	27° 5'47	19° 0	10°48	20°23	22°28	8°12	21°41	14°36	7°48	15°44	1°31	29°42	15°30	4°43	M 11
T 12	0 0 2	28° 4'41	0 <sup>11</sup> 53	12°19	20°44	22°54	8°20	21°37	14°34	7°48	15°46	1°21	29°39	15°37	4°43	T 12
W 13	0 3 59	29° 3'37	12°50	13°55	21° 7	23°20	8°29	21°33	14°33	7°48	15°48	1°10	29°36	15°43	4°42	W 13
T 14	0 7 55	0 <sup>11</sup> 236	24°53	15°32	21°32	23°47	8°37	21°28	14°31	7°49	15°50	0°59	29°32	15°50	4°41	T 14
F 15	0 11 52	1° 1'36	7 <sup>11</sup> 3	17°13	21°58	24°14	8°46	21°24	14°30	7°49	15°51	0°49	29°29	15°57	4°40	F 15
S 16	0 15 49	2° 0'39	19°21	18°55	22°26	24°41	8°55	21°20	14°29	7°49	15°53	0°40	29°26	16° 3	4°39	S 16
S 17	0 19 45	2°59'44	1 <sup>11</sup> 51	20°38	22°56	25° 9	9° 3	21°15	14°27	7°49	15°55	0°33	29°23	16°10	4°38	S 17
M 18	0 23 42	3°58'52	14°34	22°23	23°27	25°37	9°12	21°11	14°26	7°49	15°57	0°29	29°20	16°17	4°37	M 18
T 19	0 27 38	4°58'02	27°34	24° 8	24° 0	26° 5	9°22	21° 6	14°25	7°50	15°59	0°27	29°17	16°23	4°36	T 19
W 20	0 31 35	5°57'14	10 <sup>11</sup> 53	25°54	24°34	26°34	9°31	21° 2	14°24	7°50	16° 1	0°D27	29°13	16°30	4°35	W 20
T 21	0 35 31	6°56'29	24°35	27°40	25°10	27° 4	9°40	20°57	14°22	7°50	16° 3	0°R27	29°10	16°37	4°34	T 21
F 22	0 39 28	7°55'46	8 <sup>11</sup> 41	29°26	25°46	27°33	9°50	20°53	14°21	7°51	16° 5	0°27	29° 7	16°43	4°32	F 22
S 23	0 43 24	8°55'05	23°10	1 <sup>11</sup> 13	26°24	28° 3	9°59	20°48	14°20	7°51	16° 7	0°25	29° 4	16°50	4°31	S 23
S 24	0 47 21	9°54'27	8 <sup>11</sup> 1	2°59	27° 4	28°33	10° 9	20°43	14°19	7°51	16° 9	0°21	29° 1	16°57	4°29	S 24
M 25	0 51 18	10°53'50	23° 7	4°44	27°44	29° 4	10°19	20°39	14°18	7°52	16°11	0°14	28°57	17° 3	4°28	M 25
T 26	0 55 14	11°53'16	8 <sup>11</sup> 19	6°30	28°26	29°35	10°28	20°34	14°17	7°52	16°13	0° 4	28°54	17°10	4°26	T 26
W 27	0 59 11	12°52'44	23°26	8°15	29° 8	0 <sup>11</sup> 6	10°38	20°29	14°16	7°53	16°15	29 <sup>11</sup> 54	28°51	17°17	4°24	W 27
T 28	1 3 7	13°52'15	8 <sup>11</sup> 18	9°59	29°52	0°38	10°49	20°25	14°15	7°53	16°17	29°43	28°48	17°24	4°23	T 28
F 29	1 7 4	14°51'47	22°47	11°43	0 <sup>11</sup> 37	1° 9	10°59	20°20	14°15	7°54	16°19	29°33	28°45	17°30	4°21	F 29
S 30	1 11 0	15 <sup>11</sup> 51'21	6 <sup>11</sup> 47	13 <sup>11</sup> 26	1 <sup>11</sup> 22	1 <sup>11</sup> 42	11 <sup>11</sup> 9	20°15	14 <sup>11</sup> 14	7 <sup>11</sup> 55	16 <sup>11</sup> 22	29 <sup>11</sup> 26	28 <sup>11</sup> 42	17 <sup>11</sup> 37	4 <sup>11</sup> 19	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
F 1	5n 2	11s22	5n 2	10n50	0s23	8n44	6s51	26s38	4s28	21s 8	0n24	6n 9	2s46	17s 7	0s44	22s27	0n49	2s55	14n11	19n48	20n 9	9s28	17n11	4s 2			
S 2	4 39	15 19	4 37	10 57	0 6	8 53	6 41	26 32	4 25	21 10	0 24	6 7	2 46	17 7	0 44	22 27	0 49	2 56	14 10	19 49	20 10	9 26	17 11	4 2			
S 3	4 16	18 19	3 58	11 1	0n11	9 2	6 31	26 26	4 22	21 11	0 23	6 6	2 46	17 8	0 44	22 27	0 49	2 57	14 10	19 49	20 11	9 24	17 10	4 2			
M 4	3 53	20 17	3 7	11 0	0 26	9 10	6 21	26 19	4 19	21 12	0 23	6 4	2 46	17 8	0 44	22 27	0 49	2 58	14 9	19 49	20 11	9 22	17 10	4 3			
T 5	3 29	21 10	2 9	10 54	0 39	9 18	6 11	26 13	4 16	21 14	0 23	6 3	2 46	17 9	0 44	22 27	0 49	2 59	14 9	19 49	20 12	9 20	17 10	4 3			
W 6	3 6	21 0	1 6	10 45	0 52	9 25	6 0	26 6	4 13	21 15	0 23	6 1	2 46	17 9	0 44	22 27	0 49	3 0	14 9	19 49	20 13	9 18	17 9	4 4			
T 7	2 43	19 51	0 1	10 31	1 4	9 32	5 50	26 0	4 10	21 16	0 23	6 0	2 47	17 10	0 44	22 27	0 49	3 0	14 8	19 49	20 13	9 16	17 9	4 4			
F 8	2 20	17 49	1s 3	10 14	1 14	9 38	5 39	25 53	4 7	21 18	0 23	5 58	2 47	17 10	0 44	22 27	0 49	3 1	14 8	19 49	20 14	9 14	17 8	4 4			
S 9	1 56	15 2	2 3	9 53	1 23	9 43	5 29	25 46	4 4	21 19	0 22	5 57	2 47	17 11	0 44	22 27	0 49	3 2	14 7	19 50	20 15	9 12	17 8	4 5			
S 10	1 33	11 39	2 58	9 29	1 31	9 48	5 18	25 39	4 1	21 21	0 22	5 55	2 47	17 11	0 44	22 27	0 49	3 3	14 7	19 51	20 15	9 10	17 7	4 5			
M11	1 9	7 49	3 45	9 2	1 37	9 52	5 7	25 32	3 58	21 22	0 22	5 53	2 47	17 11	0 44	22 27	0 49	3 4	14 6	19 52	20 16	9 8	17 7	4 6			
T 12	0 46	3 40	4 23	8 32	1 42	9 56	4 57	25 24	3 55	21 24	0 22	5 52	2 47	17 12	0 44	22 27	0 49	3 5	14 6	19 55	20 17	9 6	17 6	4 6			
W13	0 22	0n39	4 49	7 59	1 47	9 58	4 46	25 17	3 52	21 25	0 22	5 50	2 47	17 12	0 43	22 27	0 49	3 6	14 6	19 57	20 17	9 4	17 6	4 6			
T 14	0s 1	4 58	5 2	7 24	1 50	10 1	4 36	25 9	3 49	21 27	0 22	5 48	2 48	17 13	0 43	22 27	0 49	3 7	14 5	20 0	20 18	9 2	17 5	4 7			
F 15	0 25	9 8	5 2	6 47	1 52	10 2	4 25	25 2	3 46	21 28	0 21	5 47	2 48	17 13	0 43	22 27	0 49	3 7	14 5	20 2	20 19	9 0	17 5	4 7			
S 16	0 48	12 59	4 48	6 9	1 54	10 3	4 15	24 54	3 43	21 30	0 21	5 45	2 48	17 13	0 43	22 28	0 49	3 8	14 4	20 4	20 19	8 58	17 4	4 7			
S 17	1 12	16 20	4 20	5 28	1 54	10 3	4 5	24 46	3 40	21 31	0 21	5 43	2 48	17 14	0 43	22 28	0 49	3 9	14 4	20 5	20 20	8 56	17 4	4 8			
M18	1 35	18 59	3 39	4 47	1 54	10 3	3 54	24 38	3 37	21 33	0 21	5 41	2 48	17 14	0 43	22 28	0 49	3 10	14 4	20 6	20 21	8 54	17 3	4 8			
T 19	1 59	20 43	2 46	4 4	1 53	10 2	3 44	24 29	3 34	21 34	0 21	5 40	2 48	17 15	0 43	22 28	0 49	3 11	14 3	20 7	20 21	8 52	17 2	4 9			
W20	2 22	21 21	1 42	3 20	1 52	10 0	3 34	24 21	3 31	21 36	0 21	5 38	2 48	17 15	0 43	22 28	0 49	3 12	14 3	20 7	20 22	8 50	17 2	4 9			
T 21	2 46	20 45	0 31	2 36	1 49	9 58	3 24	24 12	3 28	21 37	0 20	5 36	2 48	17 15	0 43	22 28	0 49	3 13	14 3	20 6	20 23	8 47	17 1	4 9			
F 22	3 9	18 50	0n44	1 51	1 47	9 55	3 14	24 4	3 25	21 39	0 20	5 34	2 48	17 15	0 43	22 28	0 49	3 14	14 2	20 6	20 23	8 45	17 1	4 10			
S 23	3 33	15 41	1 58	1 6	1 43	9 51	3 5	23 55	3 22	21 40	0 20	5 32	2 48	17 16	0 43	22 28	0 49	3 14	14 2	20 7	20 24	8 43	17 0	4 10			
S 24	3 56	11 27	3 5	0 20	1 40	9 47	2 55	23 46	3 20	21 42	0 20	5 31	2 48	17 16	0 43	22 28	0 49	3 15	14 2	20 8	20 25	8 41	16 59	4 10			
M25	4 19	6 26	4 1	0s26	1 36	9 42	2 46	23 37	3 17	21 44	0 20	5 29	2 49	17 16	0 43	22 28	0 49	3 16	14 1	20 9	20 25	8 39	16 59	4 11			
T 26	4 43	0 59	4 40	1 11	1 31	9 37	2 36	23 27	3 14	21 45	0 20	5 27	2 49	17 17	0 43	22 28	0 49	3 17	14 1	20 11	20 26	8 37	16 58	4 11			
W27	5 6	4s29	5 0	1 57	1 26	9 30	2 27	23 18	3 11	21 47	0 20	5 25	2 49	17 17	0 43	22 28	0 48	3 18	14 1	20 14	20 27	8 35	16 57	4 12			
T 28	5 29	9 36	4 58	2 43	1 21	9 24	2 18	23 8	3 8	21 48	0 19	5 23	2 49	17 17	0 43	22 28	0 48	3 19	14 0	20 16	20 27	8 33	16 57	4 12			
F 29	5 52	14 2	4 38	3 29	1 16	9 16	2 9	22 58	3 6	21 50	0 19	5 22	2 49	17 17	0 43	22 28	0 48	3 20	14 0	20 18	20 28	8 31	16 56	4 12			
S 30	6s15	17s33	4n 1	4s14	1n10	9n 9	2s 0	22s49	3s 3	21s51	0n19	5n20	2s49	17s17	0s43	22s28	0n48	3s20	14n 0	20n20	20n29	8s29	16n55	4s13			

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

OCTOBER 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 14 57	16°50'56	20°18'18	15°59'9	2°11'9	2°11'14	11°20'10	20°R10	14°R13	7°55	16°M24	29°R21	28°538	17°K44	4°R17	S 1
M 2	1 18 53	17°50'34	3°320	16°51	2°56	2°47	11°30	20°Y 5	14°M12	7°56	16°26	29°518	28°35	17°50	4°II15	M 2
T 3	1 22 50	18°50'13	15°58	18°32	3°45	3°20	11°41	20° 1	14°12	7°57	16°28	29°D17	28°32	17°57	4°13	T 3
W 4	1 26 47	19°49'54	28°15	20°13	4°34	3°53	11°51	19°56	14°11	7°58	16°30	29°R18	28°29	18° 4	4°11	W 4
T 5	1 30 43	20°49'37	10°M18	21°53	5°24	4°26	12° 2	19°51	14°11	7°58	16°32	29°17	28°26	18°10	4° 9	T 5
F 6	1 34 40	21°49'22	22°12	23°33	6°15	5° 0	12°13	19°46	14°10	7°59	16°35	29°15	28°22	18°17	4° 6	F 6
S 7	1 38 36	22°49'08	4°K 1	25°12	7° 6	5°34	12°24	19°41	14°10	8° 0	16°37	29°11	28°19	18°24	4° 4	S 7
S 8	1 42 33	23°48'56	15°50	26°50	7°59	6° 8	12°35	19°37	14° 9	8° 1	16°39	29° 4	28°16	18°30	4° 2	S 8
M 9	1 46 29	24°48'46	27°42	28°28	8°51	6°43	12°46	19°32	14° 9	8° 2	16°41	28°54	28°13	18°37	3°59	M 9
T 10	1 50 26	25°48'38	9°Y40	0°M 5	9°45	7°17	12°58	19°27	14° 9	8° 3	16°44	28°42	28°10	18°44	3°57	T 10
W11	1 54 22	26°48'31	21°46	1°42	10°39	7°52	13° 9	19°22	14° 9	8° 4	16°46	28°28	28° 7	18°51	3°54	W11
T 12	1 58 19	27°48'27	4°B 0	3°18	11°34	8°27	13°20	19°18	14° 8	8° 5	16°48	28°13	28° 3	18°57	3°52	T 12
F 13	2 2 15	28°48'25	16°23	4°54	12°30	9° 2	13°32	19°13	14° 8	8° 6	16°51	27°59	28° 0	19° 4	3°49	F 13
S 14	2 6 12	29°48'24	28°55	6°29	13°26	9°38	13°43	19° 8	14° 8	8° 7	16°53	27°48	27°57	19°11	3°46	S 14
S 15	2 10 9	0°M48'26	11°II38	8° 4	14°23	10°13	13°55	19° 3	14°D 8	8° 8	16°55	27°39	27°54	19°17	3°44	S 15
M16	2 14 5	1°48'30	24°32	9°38	15°20	10°49	14° 7	18°59	14° 8	8° 9	16°58	27°33	27°51	19°24	3°41	M16
T 17	2 18 2	2°48'36	7°538	11°12	16°18	11°25	14°19	18°54	14° 8	8°10	17° 0	27°29	27°48	19°31	3°38	T 17
W18	2 21 58	3°48'44	20°59	12°45	17°16	12° 1	14°30	18°50	14° 8	8°12	17° 2	27°28	27°44	19°37	3°35	W18
T 19	2 25 55	4°48'54	4°K36	14°18	18°15	12°37	14°42	18°45	14° 9	8°13	17° 5	27°28	27°41	19°44	3°32	T 19
F 20	2 29 51	5°49'06	18°31	15°51	19°15	13°14	14°54	18°41	14° 9	8°14	17° 7	27°28	27°38	19°51	3°29	F 20
S 21	2 33 48	6°49'21	2°M44	17°23	20°14	13°51	15° 6	18°36	14° 9	8°15	17° 9	27°26	27°35	19°57	3°26	S 21
S 22	2 37 45	7°49'37	17°15	18°55	21°15	14°27	15°19	18°32	14° 9	8°17	17°12	27°21	27°32	20° 4	3°23	S 22
M23	2 41 41	8°49'56	1°59	20°27	22°15	15° 4	15°31	18°27	14°10	8°18	17°14	27°14	27°28	20°11	3°20	M23
T 24	2 45 38	9°50'16	16°51	21°58	23°16	15°41	15°43	18°23	14°10	8°19	17°17	27° 4	27°25	20°18	3°17	T 24
W25	2 49 34	10°50'39	1°M42	23°29	24°18	16°19	15°56	18°19	14°11	8°21	17°19	26°53	27°22	20°24	3°14	W25
T 26	2 53 31	11°51'03	16°23	24°59	25°20	16°56	16° 8	18°15	14°11	8°22	17°21	26°41	27°19	20°31	3°11	T 26
F 27	2 57 27	12°51'29	0°K46	26°29	26°22	17°34	16°20	18°10	14°12	8°24	17°24	26°31	27°16	20°38	3° 7	F 27
S 28	3 1 24	13°51'56	14°45	27°59	27°25	18°11	16°33	18° 6	14°13	8°25	17°26	26°22	27°13	20°44	3° 4	S 28
S 29	3 5 20	14°52'25	28°18	29°28	28°28	18°49	16°46	18° 2	14°13	8°27	17°29	26°17	27° 9	20°51	3° 1	S 29
M30	3 9 17	15°52'56	11°K24	0°K57	29°31	19°27	16°58	17°58	14°14	8°28	17°31	26°14	27° 6	20°58	2°58	M30
T 31	3 13 14	16°M53'27	24°B 5	2°K26	0°K35	20°M 5	17°K11	17°Y55	14°M15	8°K30	17°M33	26°D13	27°53	21°K 4	2°II54	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	6s38	19s58	3n11	4s59	1n 4	9n 0	1s52	22s39	3s 0	21s53	0n19	5n18	2s49	17s18	0s43	22s28
M 2	7 1 21 15	2 13 5 44	0 58	8 51	1 43	22 28	2 58	21 55	0 19	5 16	2 49	17 18	0 43	22 28	0 48	3 22
T 3	7 24 21 23	1 10 6 29	0 52	8 41	1 35	22 18	2 55	21 56	0 19	5 14	2 49	17 18	0 43	22 28	0 48	3 23
W 4	7 47 20 29	0 5 7 13	0 46	8 31	1 27	22 8	2 52	21 58	0 19	5 13	2 49	17 18	0 43	22 28	0 48	3 24
T 5	8 9 18 38	0s58	7 56	0 40	8 20	1 18	21 57	2 50	21 59	0 18	5 11	2 49	17 18	0 43	22 28	0 48
F 6	8 32 16 1	1 58	8 39	0 33	8 9	1 10	21 46	2 47	22 1	0 18	5 9	2 49	17 18	0 43	22 28	0 48
S 7	8 54 12 44	2 53	9 22	0 27	7 57	1 3	21 35	2 45	22 3	0 18	5 7	2 49	17 18	0 43	22 28	0 48
S 8	9 16 8 58	3 40	10 4	0 20	7 45	0 55	21 24	2 42	22 4	0 18	5 5	2 49	17 18	0 43	22 28	0 48
M 9	9 38 4 51	4 17	10 45	0 13	7 32	0 48	21 13	2 39	22 6	0 18	5 4	2 49	17 19	0 43	22 28	0 48
T 10	10 0 0 30	4 43	11 26	0 7	7 19	0 40	21 2	2 37	22 7	0 18	5 2	2 49	17 19	0 43	22 28	0 48
W11	10 22 3n54	4 57	12 6	0s 0	7 5	0 33	20 50	2 34	22 9	0 18	5 0	2 49	17 19	0 43	22 28	0 48
T 12	10 43 8 12	4 58	12 45	0 7	6 51	0 26	20 39	2 32	22 10	0 18	4 58	2 48	17 19	0 43	22 28	0 48
F 13	11 5 12 14	4 45	13 24	0 14	6 36	0 19	20 27	2 30	22 12	0 17	4 57	2 48	17 19	0 43	22 27	0 48
S 14	11 26 15 47	4 17	14 2	0 20	6 20	0 12	20 15	2 27	22 13	0 17	4 55	2 48	17 19	0 43	22 27	0 48
S 15	11 47 18 40	3 37	14 40	0 27	6 5	0 6	20 3	2 25	22 15	0 17	4 53	2 48	17 19	0 43	22 27	0 48
M16	12 8 20 39	2 45	15 16	0 34	5 48	0n 1	19 51	2 22	22 16	0 17	4 50	2 48	17 19	0 43	22 27	0 48
T 17	12 29 21 31	1 43	15 52	0 40	5 32	0 7	19 38	2 20	22 18	0 17	4 52	2 48	17 19	0 42	22 27	0 48
W18	12 49 21 18	0 34	16 27	0 47	5 15	0 13	19 26	2 17	22 19	0 17	4 48	2 48	17 18	0 42	22 27	0 48
T 19	13 10 19 46	0n38	17 1	0 53	4 57	0 19	19 13	2 15	22 21	0 17	4 47	2 48	17 18	0 42	22 27	0 48
F 20	13 30 17 3	1 49	17 35	0 59	4 39	0 25	19 1	2 13	22 22	0 16	4 45	2 48	17 18	0 42	22 27	0 48
S 21	13 50 13 14	2 55	18 7	1 6	4 21	0 31	18 48	2 10	22 24	0 16	4 43	2 48	17 18	0 42	22 27	0 48
S 22	14 9 8 35	3 51	18 39	1 12	4 2	0 36	18 35	2 8	22 25	0 16	4 42	2 48	17 18	0 42	22 27	0 48
M23	14 29 3 22	4 33	19 9	1 18	3 43	0 42	18 22	2 6	22 27	0 16	4 40	2 47	17 18	0 42	22 27	0 48
T 24	14 48 2s 5	4 56	19 39	1 24	3 24	0 47	18 9	2 4	22 28	0 16	4 39	2 47	17 18	0 42	22 27	0 48
W25	15 7 7 24	5 0	20 8	1 29	3 4	0 52	17 55	2 1	22 30	0 16	4 37	2 47	17 18	0 42	22 27	0 47
T 26	15 26 12 15	4 44	20 36	1 35	2 44	0 57	17 42	1 59	22 31	0 16	4 36	2 47	17 17	0 42	22 27	0 47
F 27	15 44 16 18	4 10	21 3	1 40	2 24	1 2	17 28	1 57	22 32	0 16	4 34	2 47	17 17	0 42	22 27	0 47
S 28	16 3 19 18	3 21	21 28	1 45	2 3	1 7	17 14	1 55	22 34	0 16	4 33	2 47	17 17	0 42	22 27	0 47
S 29	16 21 21 7	2 22	21 53	1 50	1 42	1 11	17 0	1 53	22 35	0 15	4 32	2 47	17 17	0 42	22 27	0 47
M30	16 38 21 43	1 18	22 17	1 55	1 21	1 16	16 46	1 51	22 37	0 15	4 30	2 46	17 16	0 42	22 27	0 47
T 31	16s56	21s10	0n11	22s39	2s 0	0n59	1n20	16s32	1s48	22s38	0n15	4n29	2s46	17s16	0s42	22s27

Julian Day Number = 2268110.5, Delta T = 296.48 sec

Ecliptic obliquity = 23°30'12, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°43'58, Lahiri = 16°50'58 Julian Calendar 1 Oct. 1497 == Greg. Calendar 10 Oct. 1497

ASTRODIENST EPHEMERIS for the year 1497  
geocentric

NOVEMBER 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	3 17 10	17 <sup>11</sup> 54'01	6 <sup>26</sup> 26	3 <sup>27</sup> 54	1 <sup>13</sup> 39	20 <sup>22</sup> 44	17 <sup>24</sup> 24	17 <sup>25</sup> 51	14 <sup>28</sup> 16	8 <sup>33</sup> 31	17 <sup>36</sup> 36	26 <sup>53</sup> 13	27 <sup>58</sup> 0	21 <sup>18</sup> 11	2 <sup>20</sup> 51	W 1
T 2	3 21 7	18 <sup>54</sup> 35	18 <sup>31</sup> 31	5 <sup>21</sup> 21	2 <sup>44</sup> 24	21 <sup>22</sup> 22	17 <sup>37</sup> 37	17 <sup>47</sup> 47	14 <sup>17</sup> 17	8 <sup>33</sup> 33	17 <sup>38</sup> 38	26 <sup>53</sup> 13	26 <sup>57</sup> 57	21 <sup>18</sup> 18	2 <sup>21</sup> 47	T 2
F 3	3 25 3	19 <sup>55</sup> 10	0 <sup>16</sup> 16	6 <sup>48</sup> 48	3 <sup>48</sup> 48	22 <sup>0</sup> 0	17 <sup>50</sup> 50	17 <sup>43</sup> 43	14 <sup>17</sup> 17	8 <sup>33</sup> 33	17 <sup>41</sup> 41	26 <sup>13</sup> 13	26 <sup>54</sup> 54	21 <sup>25</sup> 25	2 <sup>44</sup> 44	F 3
S 4	3 29 0	20 <sup>55</sup> 47	12 <sup>16</sup> 16	8 <sup>14</sup> 14	4 <sup>53</sup> 53	22 <sup>39</sup> 39	18 <sup>2</sup> 2	17 <sup>40</sup> 40	14 <sup>18</sup> 18	8 <sup>36</sup> 36	17 <sup>43</sup> 43	26 <sup>10</sup> 10	26 <sup>50</sup> 50	21 <sup>31</sup> 31	2 <sup>41</sup> 41	S 4
S 5	3 32 56	21 <sup>56</sup> 25	24 <sup>6</sup> 6	9 <sup>40</sup> 40	5 <sup>58</sup> 58	23 <sup>18</sup> 18	18 <sup>15</sup> 15	17 <sup>36</sup> 36	14 <sup>20</sup> 20	8 <sup>38</sup> 38	17 <sup>46</sup> 46	26 <sup>5</sup> 5	26 <sup>47</sup> 47	21 <sup>38</sup> 38	2 <sup>37</sup> 37	S 5
M 6	3 36 53	22 <sup>57</sup> 04	6 <sup>1</sup> 1	11 <sup>5</sup> 5	7 <sup>4</sup> 4	23 <sup>56</sup> 56	18 <sup>28</sup> 28	17 <sup>33</sup> 33	14 <sup>21</sup> 21	8 <sup>40</sup> 40	17 <sup>48</sup> 48	25 <sup>58</sup> 58	26 <sup>44</sup> 44	21 <sup>45</sup> 45	2 <sup>34</sup> 34	M 6
T 7	3 40 49	23 <sup>57</sup> 45	18 <sup>4</sup> 4	12 <sup>29</sup> 29	8 <sup>10</sup> 10	24 <sup>35</sup> 35	18 <sup>42</sup> 42	17 <sup>29</sup> 29	14 <sup>22</sup> 22	8 <sup>41</sup> 41	17 <sup>50</sup> 50	25 <sup>48</sup> 48	26 <sup>41</sup> 41	21 <sup>51</sup> 51	2 <sup>30</sup> 30	T 7
W 8	3 44 46	24 <sup>58</sup> 26	0 <sup>17</sup> 17	13 <sup>53</sup> 53	9 <sup>16</sup> 16	25 <sup>14</sup> 14	18 <sup>55</sup> 55	17 <sup>26</sup> 26	14 <sup>23</sup> 23	8 <sup>43</sup> 43	17 <sup>53</sup> 53	25 <sup>37</sup> 37	26 <sup>38</sup> 38	21 <sup>58</sup> 58	2 <sup>27</sup> 27	W 8
T 9	3 48 42	25 <sup>59</sup> 09	12 <sup>43</sup> 43	15 <sup>15</sup> 15	10 <sup>22</sup> 22	25 <sup>53</sup> 53	19 <sup>8</sup> 8	17 <sup>23</sup> 23	14 <sup>24</sup> 24	8 <sup>45</sup> 45	17 <sup>55</sup> 55	25 <sup>25</sup> 25	26 <sup>34</sup> 34	22 <sup>5</sup> 5	2 <sup>23</sup> 23	T 9
F 10	3 52 39	26 <sup>59</sup> 54	25 <sup>22</sup> 22	16 <sup>36</sup> 36	11 <sup>29</sup> 29	26 <sup>32</sup> 32	19 <sup>21</sup> 21	17 <sup>20</sup> 20	14 <sup>26</sup> 26	8 <sup>47</sup> 47	17 <sup>57</sup> 57	25 <sup>14</sup> 14	26 <sup>31</sup> 31	22 <sup>11</sup> 11	2 <sup>20</sup> 20	F 10
S 11	3 56 36	28 <sup>0</sup> 39	8 <sup>14</sup> 14	17 <sup>55</sup> 55	12 <sup>36</sup> 36	27 <sup>11</sup> 11	19 <sup>34</sup> 34	17 <sup>17</sup> 17	14 <sup>27</sup> 27	8 <sup>49</sup> 49	18 <sup>0</sup> 0	25 <sup>5</sup> 5	26 <sup>28</sup> 28	22 <sup>18</sup> 18	2 <sup>16</sup> 16	S 11
S 12	4 0 32	29 <sup>1</sup> 26	21 <sup>17</sup> 17	19 <sup>13</sup> 13	13 <sup>43</sup> 43	27 <sup>51</sup> 51	19 <sup>47</sup> 47	17 <sup>14</sup> 14	14 <sup>28</sup> 28	8 <sup>50</sup> 50	18 <sup>2</sup> 2	24 <sup>57</sup> 57	26 <sup>25</sup> 25	22 <sup>25</sup> 25	2 <sup>13</sup> 13	S 12
M13	4 4 29	0 <sup>21</sup> 15	4 <sup>32</sup> 32	20 <sup>30</sup> 30	14 <sup>50</sup> 50	28 <sup>30</sup> 30	20 <sup>1</sup> 1	17 <sup>11</sup> 11	14 <sup>30</sup> 30	8 <sup>52</sup> 52	18 <sup>5</sup> 5	24 <sup>53</sup> 53	26 <sup>22</sup> 22	22 <sup>31</sup> 31	2 <sup>9</sup> 9	M13
T 14	4 8 25	1 <sup>3</sup> 04	17 <sup>57</sup> 57	21 <sup>44</sup> 44	15 <sup>57</sup> 57	29 <sup>10</sup> 10	20 <sup>14</sup> 14	17 <sup>8</sup> 8	14 <sup>31</sup> 31	8 <sup>54</sup> 54	18 <sup>7</sup> 7	24 <sup>51</sup> 51	26 <sup>19</sup> 19	22 <sup>38</sup> 38	2 <sup>6</sup> 6	T 14
W15	4 12 22	2 <sup>3</sup> 56	1 <sup>32</sup> 32	22 <sup>56</sup> 56	17 <sup>5</sup> 5	29 <sup>49</sup> 49	20 <sup>28</sup> 28	17 <sup>5</sup> 5	14 <sup>33</sup> 33	8 <sup>56</sup> 56	18 <sup>9</sup> 9	24 <sup>51</sup> 51	26 <sup>15</sup> 15	22 <sup>45</sup> 45	2 <sup>2</sup> 2	W15
T 16	4 16 18	3 <sup>4</sup> 48	15 <sup>17</sup> 17	24 <sup>5</sup> 5	18 <sup>13</sup> 13	0 <sup>29</sup> 29	20 <sup>41</sup> 41	17 <sup>3</sup> 3	14 <sup>34</sup> 34	8 <sup>58</sup> 58	18 <sup>12</sup> 12	24 <sup>52</sup> 52	26 <sup>12</sup> 12	22 <sup>52</sup> 52	1 <sup>58</sup> 58	T 16
F 17	4 20 15	4 <sup>5</sup> 42	29 <sup>12</sup> 12	25 <sup>11</sup> 11	19 <sup>21</sup> 21	1 <sup>8</sup> 8	20 <sup>54</sup> 54	17 <sup>0</sup> 0	14 <sup>36</sup> 36	9 <sup>0</sup> 0	18 <sup>14</sup> 14	24 <sup>53</sup> 53	26 <sup>9</sup> 9	22 <sup>58</sup> 58	1 <sup>55</sup> 55	F 17
S 18	4 24 12	5 <sup>6</sup> 37	13 <sup>18</sup> 18	26 <sup>13</sup> 13	20 <sup>30</sup> 30	1 <sup>48</sup> 48	21 <sup>8</sup> 8	16 <sup>58</sup> 58	14 <sup>38</sup> 38	9 <sup>2</sup> 2	18 <sup>16</sup> 16	24 <sup>52</sup> 52	26 <sup>6</sup> 6	23 <sup>5</sup> 5	1 <sup>51</sup> 51	S 18
S 19	4 28 8	6 <sup>7</sup> 34	27 <sup>32</sup> 32	27 <sup>11</sup> 11	21 <sup>38</sup> 38	2 <sup>28</sup> 28	21 <sup>21</sup> 21	16 <sup>55</sup> 55	14 <sup>39</sup> 39	9 <sup>4</sup> 4	18 <sup>19</sup> 19	24 <sup>50</sup> 50	26 <sup>3</sup> 3	23 <sup>12</sup> 12	1 <sup>48</sup> 48	S 19
M20	4 32 5	7 <sup>8</sup> 32	11 <sup>33</sup> 33	28 <sup>5</sup> 5	22 <sup>47</sup> 47	3 <sup>8</sup> 8	21 <sup>35</sup> 35	16 <sup>53</sup> 53	14 <sup>41</sup> 41	9 <sup>6</sup> 6	18 <sup>21</sup> 21	24 <sup>46</sup> 46	26 <sup>0</sup> 0	23 <sup>18</sup> 18	1 <sup>44</sup> 44	M20
T 21	4 36 1	8 <sup>9</sup> 31	26 <sup>17</sup> 17	28 <sup>53</sup> 53	23 <sup>56</sup> 56	3 <sup>48</sup> 48	21 <sup>49</sup> 49	16 <sup>51</sup> 51	14 <sup>43</sup> 43	9 <sup>8</sup> 8	18 <sup>23</sup> 23	24 <sup>40</sup> 40	25 <sup>56</sup> 56	23 <sup>25</sup> 25	1 <sup>41</sup> 41	T 21
W22	4 39 58	9 <sup>10</sup> 31	10 <sup>40</sup> 40	29 <sup>35</sup> 35	25 <sup>5</sup> 5	4 <sup>28</sup> 28	22 <sup>2</sup> 2	16 <sup>49</sup> 49	14 <sup>45</sup> 45	9 <sup>10</sup> 10	18 <sup>26</sup> 26	24 <sup>33</sup> 33	25 <sup>53</sup> 53	23 <sup>32</sup> 32	1 <sup>37</sup> 37	W22
T 23	4 43 54	10 <sup>11</sup> 33	24 <sup>55</sup> 55	0 <sup>30</sup> 30	26 <sup>14</sup> 14	5 <sup>8</sup> 8	22 <sup>16</sup> 16	16 <sup>47</sup> 47	14 <sup>47</sup> 47	9 <sup>12</sup> 12	18 <sup>28</sup> 28	24 <sup>25</sup> 25	25 <sup>50</sup> 50	23 <sup>38</sup> 38	1 <sup>34</sup> 34	T 23
F 24	4 47 51	11 <sup>12</sup> 36	8 <sup>37</sup> 37	0 <sup>37</sup> 37	27 <sup>24</sup> 24	5 <sup>48</sup> 48	22 <sup>29</sup> 29	16 <sup>45</sup> 45	14 <sup>49</sup> 49	9 <sup>14</sup> 14	18 <sup>30</sup> 30	24 <sup>18</sup> 18	25 <sup>47</sup> 47	23 <sup>45</sup> 45	1 <sup>30</sup> 30	F 24
S 25	4 51 47	12 <sup>13</sup> 39	22 <sup>42</sup> 42	0 <sup>56</sup> 56	28 <sup>33</sup> 33	6 <sup>28</sup> 28	22 <sup>43</sup> 43	16 <sup>44</sup> 44	14 <sup>51</sup> 51	9 <sup>16</sup> 16	18 <sup>32</sup> 32	24 <sup>12</sup> 12	25 <sup>44</sup> 44	23 <sup>52</sup> 52	1 <sup>27</sup> 27	S 25
S 26	4 55 44	13 <sup>14</sup> 43	6 <sup>3</sup> 3	1 <sup>5</sup> 5	29 <sup>43</sup> 43	7 <sup>8</sup> 8	22 <sup>57</sup> 57	16 <sup>42</sup> 42	14 <sup>53</sup> 53	9 <sup>18</sup> 18	18 <sup>35</sup> 35	24 <sup>9</sup> 9	25 <sup>40</sup> 40	23 <sup>59</sup> 59	1 <sup>23</sup> 23	S 26
M27	4 59 41	14 <sup>15</sup> 48	19 <sup>8</sup> 8	1 <sup>3</sup> 3	0 <sup>53</sup> 53	7 <sup>49</sup> 49	23 <sup>10</sup> 10	16 <sup>41</sup> 41	14 <sup>55</sup> 55	9 <sup>20</sup> 20	18 <sup>37</sup> 37	24 <sup>7</sup> 7	25 <sup>37</sup> 37	24 <sup>5</sup> 5	1 <sup>20</sup> 20	M27
T 28	5 3 37	15 <sup>16</sup> 54	1 <sup>49</sup> 49	0 <sup>51</sup> 51	2 <sup>3</sup> 3	8 <sup>29</sup> 29	23 <sup>24</sup> 24	16 <sup>39</sup> 39	14 <sup>57</sup> 57	9 <sup>22</sup> 22	18 <sup>39</sup> 39	24 <sup>7</sup> 7	25 <sup>34</sup> 34	24 <sup>12</sup> 12	1 <sup>16</sup> 16	T 28
W29	5 7 34	16 <sup>17</sup> 59	14 <sup>12</sup> 12	0 <sup>28</sup> 28	3 <sup>13</sup> 13	9 <sup>9</sup> 9	23 <sup>38</sup> 38	16 <sup>38</sup> 38	14 <sup>59</sup> 59	9 <sup>24</sup> 24	18 <sup>41</sup> 41	24 <sup>9</sup> 9	25 <sup>31</sup> 31	24 <sup>19</sup> 19	1 <sup>13</sup> 13	W29
T 30	5 11 30	17 <sup>18</sup> 06	26 <sup>19</sup> 19	29 <sup>52</sup> 52	4 <sup>24</sup> 24	9 <sup>50</sup> 50	23 <sup>52</sup> 52	16 <sup>37</sup> 37	15 <sup>1</sup> 1	9 <sup>27</sup> 27	18 <sup>44</sup> 44	24 <sup>10</sup> 10	25 <sup>28</sup> 28	24 <sup>25</sup> 25	1 <sup>10</sup> 10	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
W 1	17s13	19s35	0s54	23s 1	2s 4	0n37	1n24	16s18	1s46	22s39	0n15	4n28	2s46	17s16	0s42	22s27	0n47	3s46	13n54	20n58	20n49	7s20	16n30	4s22	16n30
T 2	17 30	17 9	1 56	23 21	2 8	0 15	1 28	16 4	1 44	22 41	0 15	4 26	2 46	17 16	0 42	22 26	0 47	3 46	13 54	20 58	20 49	7 18	16 30	4 22	16 30
F 3	17 46	14 1	2 52	23 40	2 12	0s 7	1 32	15 49	1 42	22 42	0 15	4 25	2 46	17 15	0 42	22 26	0 47	3 47	13 54	20 58	20 50	7 16	16 29	4 22	16 29
S 4	18 2	10 21	3 40	23 58	2 15	0 29	1 35	15 35	1 40	22 43	0 15	4 24	2 46	17 15	0 42	22 26	0 47	3 48	13 54	20 58	20 51	7 14	16 28	4 22	16 28
S 5	18 18	6 18	4 18	24 14	2 18	0 52	1 39	15 20	1 38	22 44	0 15	4 23	2 45	17 15	0 42	22 26	0 47	3 48	13 54	20 59	20 51	7 12	16 27	4 22	16 27
M 6	18 34	1 58	4 46	24 29	2 21	1 15	1 42	15 5	1 36	22 46	0 14	4 22	2 45	17 14	0 42	22 26	0 47	3 49	13 54	21 1	20 52	7 9	16 26	4 22	16 26
T 7	18 49	2n28	5 1	24 43	2 23	1 38	1 46	14 50	1 34	22 47	0 14	4 20	2 45	17 14	0 42	22 26	0 47	3 50	13 54	21 3	20 53	7 7	16 25	4 23	16 25
W 8	19 4	6 53	5 2	24 55	2 25	2 1	1 49	14 35	1 32	22 48	0 14	4 19	2 45	17 14	0 42	22 26	0 47	3 50	13 54	21 5	20 53	7 5	16 25	4 23	16 25
T 9	19 18	11 5	4 50	25 6	2 26	2 24	1 52	14 20	1 30	22 49	0 14	4 18	2 45	17 13	0 42	22 26	0 47	3 51	13 54	21 7	20 54	7 3	16 24	4 23	16 24
F 10	19 32	14 54	4 23	25 16	2 27	2 48	1 54	14 5	1 28	22 50	0 14	4 17	2 44	17 13	0 42	22 26	0 47	3 51	13 54	21 9	20 54	7 1	16 23	4 23	16 23
S 11	19 46	18 4	3 43	25 24	2 28	3 11	1 57	13 50	1 26	22 52	0 14	4 16	2 44	17 12	0 42	22 26	0 47	3 52	13 54	21 10	20 55	6 58	16 22	4 23	16 22
S 12	20 0	20 24	2 50	25 31	2 28	3 35	2 0	13 34	1 24	22 53	0 14	4 15	2 44	17 12	0 42	22 26	0 47	3 53	13 54	21 12	20 56	6 56	16 21	4 23	16 21
M13	20 13	21 39	1 47	25 36	2 27	3 59	2 2	13 19	1 22	22 54	0 14	4 15	2 44	17 11	0 42	22 26	0 47	3 53	13 54	21 13	20 56	6 54	16 20	4 23	16 20
T 14	20 25	21 41	0 37	25 40	2 26	4 23	2 4	13 3	1 21	22 55	0 14	4 14	2 43	17 11	0 42	22 25	0 47	3 54	13 54	21 13	20 57	6 52	16 20	4 24	16 20
W15	20 38	20 27	0n36	25 42	2 23	4 47	2 6	12 48	1 19	22 56	0 14	4 13	2 43	17 11	0 42	22 25	0 47	3 54	13 54	21 13	20 57	6 50	16 19	4 24	16 19
T 16	20 50	18 1	1 48	25 43	2 21	5 11	2 8	12 32	1 17	22 57	0 13	4 12	2 43	17 10	0 42	22 25	0 47	3 55	13 54	21 13	20 58	6 47	16 18	4 24	16 18
F 17	21 1	14 30	2 54	25 42	2 17	5 35	2 10	12 16	1 15	22 58	0 13	4 11	2 43	17 10	0 42	22 25	0 47	3 56	13 54	21 13	20 59	6 45	16 17	4 24	16 17
S 18	21 12	10 8	3 51	25 39	2 12	5 59	2 12	12 0	1 13	22 59	0 13	4 11	2 43	17 9	0 41	22 25	0 47	3 56	13 54	21 13	20 59	6 43	16 17	4 24	16 17
S 19	21 23	5 10	4 34	25 35	2 7	6 23	2 14	11 44	1 11	23 0	0 13	4 10	2 42	17 8	0 41	22 25	0 47	3 57	13 54	21 13	21 0	6 41	16 16	4 24	16 16
M20	21 34	0s 6	5 0	25 30	2 0	6 48	2 15	11 28	1 10	23 1	0 13	4 9	2 42	17 8	0 41	22 25	0 47	3 57	13 54	21 14	21 0	6 38	16 15	4 24	16 15
T 21	21 44	5 24	5 8	25 23	1 53	7 12	2 16	11 12	1 8	23 2	0 13	4 9	2 42	17 7	0 41	22 25	0 47	3 58	13 54	21 15	21 1	6 36	16 14	4 24	16 14
W22	21 53	10 23	4 56	25 14	1 44	7 36	2 18	10 56	1 6	23 3	0 13	4 8	2 42	17 7	0 41	22 25	0 47	3 58	13 54	21 16	21 2	6 34	16 13	4 24	16 13
T 23	22 2	14 45	4 26	25 4	1 34	8 0	2 19	10 39	1 4	23 4	0 13	4 8	2 41	17 6	0 41	22 24	0 47	3 59	13 54	21 18	21 2	6 32	16 13	4 24	16 13
F 24	22 11	18 14	3 40	24 53	1 23	8 24	2 20	10 23	1 3	23 5	0 13	4 7	2 41	17 6	0 41	22 24	0 47	3 59	13 55	21 19	21 3	6 30	16 12	4 24	16 12
S 25	22 19	20 36	2 42	24 40	1 10	8 48	2 21	10 6	1 1	23 6	0 12	4 7	2 41	17 5	0 41	22 24	0 47	4 0	13 55	21 20	21 3	6 27	16 11	4 24	16 11
S 26	22 27	21 46	1 36	24 26	0 56	9 12	2 21	9 50	0 59	23 7	0 12	4 7	2 41	17 4	0 41	22 24	0 47	4 0	13 55	21 20	21 4	6 25	16 10	4 25	16 10
M27	22 34	21 41	0 27	24 10	0 40	9 36	2 22	9 33	0 58	23 7	0 12	4 6	2 40	17 4	0 41	22 24	0 47	4 0	13 55	21 21	21 4	6 23	16 10	4 25	16 10
T 28	22 41	20 29	0s42	23 54	0 24	9 59	2 22	9 17	0 56	23 8	0 12	4 6	2 40	17 3	0 41	22 24	0 47	4 1	13 55	21 21	21 5	6 21	16 9	4 25	16 9
W29	22 48	18 19	1 47	23 36	0 6	10 23	2 23	9 0	0 55	23 9	0 12	4 6	2 40	17 2	0 41	22 24	0 47	4 1	13 55	21 20	21 6	6 18	16 8	4 25	16 8
T 30	22s54	15s23	2s46	23s17	0n13	10s46	2n23	8s43	0s53	23s10	0n12	4n 6	2s39	17s 2	0s41	22s24	0n47	4s 2	13n55	21n20	21n 6	6s16	16n 8	4s25	16n 8

# ASTRODIENST EPHEMERIS for the year 1497

## geocentric

DECEMBER 1497 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	5 15 27	18°20'12	8°16	29°R 6	5°13	10°30	24°5	16°R36	15°3	9°29	18°46	24°12	25°25	24°32	1°R 6	F 1
S 2	5 19 23	19°21'19	20° 8	28°8	6°44	11°11	24°19	16°Y35	15° 6	9°31	18°48	24°R12	25°21	24°39	1°11 3	S 2
S 3	5 23 20	20°22'27	1°59	27° 1	7°55	11°51	24°33	16°34	15° 8	9°33	18°50	24°12	25°18	24°46	1° 0	S 3
M 4	5 27 16	21°23'34	13°55	25°47	9° 6	12°32	24°47	16°33	15°10	9°35	18°52	24° 9	25°15	24°52	0°56	M 4
T 5	5 31 13	22°24'42	26° 0	24°27	10°17	13°12	25° 1	16°33	15°13	9°37	18°54	24° 5	25°12	24°59	0°53	T 5
W 6	5 35 10	23°25'50	8°18	23° 5	11°28	13°53	25°14	16°32	15°15	9°40	18°56	24° 1	25° 9	25° 6	0°50	W 6
T 7	5 39 6	24°26'58	20°51	21°43	12°39	14°34	25°28	16°32	15°18	9°42	18°58	23°55	25° 5	25°12	0°47	T 7
F 8	5 43 3	25°28'07	3°12	20°23	13°50	15°15	25°42	16°32	15°20	9°44	19° 0	23°50	25° 2	25°19	0°44	F 8
S 9	5 46 59	26°29'15	16°51	19° 9	15° 2	15°55	25°56	16°31	15°23	9°46	19° 3	23°46	24°59	25°26	0°40	S 9
S 10	5 50 56	27°30'25	0°16	18° 2	16°13	16°36	26°10	16°D31	15°25	9°48	19° 5	23°43	24°56	25°32	0°37	S 10
M 11	5 54 52	28°31'34	13°56	17° 4	17°24	17°17	26°23	16°31	15°28	9°51	19° 7	23°41	24°53	25°39	0°34	M 11
T 12	5 58 49	29°32'44	27°49	16°16	18°36	17°58	26°37	16°32	15°30	9°53	19° 8	23°D41	24°50	25°46	0°31	T 12
W 13	6 2 45	0°33'53	11°12	15°39	19°48	18°39	26°51	16°32	15°33	9°55	19°10	23°42	24°46	25°53	0°28	W 13
T 14	6 6 42	1°35'04	25°57	15°12	21° 0	19°19	27° 5	16°32	15°36	9°57	19°12	23°43	24°43	25°59	0°25	T 14
F 15	6 10 39	2°36'14	10°18	14°55	22°12	20° 0	27°19	16°33	15°38	10° 0	19°14	23°45	24°40	26° 6	0°23	F 15
S 16	6 14 35	3°37'25	24°20	14°D48	23°24	20°41	27°32	16°33	15°41	10° 2	19°16	23°46	24°37	26°13	0°20	S 16
S 17	6 18 32	4°38'36	8°30	14°50	24°36	21°22	27°46	16°34	15°44	10° 4	19°18	23°R46	24°34	26°19	0°17	S 17
M 18	6 22 28	5°39'48	22°37	15° 2	25°48	22° 3	28° 0	16°35	15°47	10° 6	19°20	23°45	24°31	26°26	0°14	M 18
T 19	6 26 25	6°41'00	6°14	15°21	27° 0	22°44	28°14	16°36	15°50	10° 9	19°22	23°44	24°27	26°33	0°12	T 19
W 20	6 30 21	7°42'12	20°34	15°47	28°12	23°25	28°27	16°37	15°53	10°11	19°23	23°42	24°24	26°40	0° 9	W 20
T 21	6 34 18	8°43'24	4°20	16°19	29°25	24° 6	28°41	16°38	15°56	10°13	19°25	23°39	24°21	26°46	0° 7	T 21
F 22	6 38 14	9°44'36	17°53	16°58	0°37	24°47	28°55	16°39	15°58	10°16	19°27	23°37	24°18	26°53	0° 4	F 22
S 23	6 42 11	10°45'48	1°13	17°42	1°50	25°28	29° 9	16°41	16° 1	10°18	19°29	23°36	24°15	27° 0	0° 2	S 23
S 24	6 46 8	11°47'00	14°18	18°30	3° 2	26° 9	29°22	16°42	16° 4	10°20	19°30	23°35	24°11	27° 6	29°59	S 24
M 25	6 50 4	12°48'11	27° 7	19°23	4°15	26°50	29°36	16°44	16° 7	10°22	19°32	23°D35	24° 8	27°13	29°57	M 25
T 26	6 54 1	13°49'23	9°40	20°19	5°27	27°31	29°50	16°46	16°11	10°25	19°34	23°35	24° 5	27°20	29°55	T 26
W 27	6 57 57	14°50'33	21°59	21°19	6°40	28°12	0°3	16°48	16°14	10°27	19°35	23°36	24° 2	27°27	29°52	W 27
T 28	7 1 54	15°51'43	4°5	22°22	7°53	28°53	0°17	16°50	16°17	10°29	19°37	23°37	23°59	27°33	29°50	T 28
F 29	7 5 50	16°52'53	16° 3	23°27	9° 6	29°34	0°30	16°52	16°20	10°32	19°38	23°38	23°56	27°40	29°48	F 29
S 30	7 9 47	17°54'01	27°55	24°35	10°19	0°Y15	0°44	16°54	16°23	10°34	19°40	23°38	23°52	27°47	29°46	S 30
S 31	7 13 43	18°55'09	9°Y47	25°45	11°31	0°Y56	0°58	16°Y56	16°26	10°36	19°41	23°39	23°54	27°53	29°44	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
F 1	22s59	11s51	3s38	22s57	0n33	11s10	2n23	8s26	0s51	23s10	0n12	4n 5	2s39	17s 1	0s41	22s23	0n47	4s 2	13n56	21n20	21n 7	6s14	16n 7	4s25			
S 2	23 5	7 53	4 19	22 37	0 53	11 33	2 23	8 10	0 50	23 11	0 12	4 5	2 39	17 0	0 41	22 23	0 47	4 2	13 56	21 20	21 7	6 12	16 6	4 25			
S 3	23 9	3 38	4 49	22 15	1 13	11 56	2 23	7 53	0 48	23 12	0 12	4 5	2 39	17 0	0 41	22 23	0 46	4 3	13 56	21 20	21 8	6 9	16 6	4 25			
M 4	23 13	0n47	5 7	21 54	1 33	12 18	2 23	7 36	0 47	23 12	0 12	4 5	2 38	16 59	0 41	22 23	0 46	4 3	13 56	21 20	21 9	6 7	16 5	4 25			
T 5	23 17	5 13	5 12	21 32	1 51	12 41	2 23	7 19	0 45	23 13	0 12	4 5	2 38	16 58	0 41	22 23	0 46	4 4	13 56	21 21	21 9	6 5	16 4	4 25			
W 6	23 20	9 32	5 3	21 11	2 8	13 3	2 22	7 2	0 44	23 14	0 11	4 5	2 38	16 57	0 41	22 23	0 46	4 4	13 57	21 22	21 10	6 3	16 4	4 25			
T 7	23 23	13 32	4 39	20 51	2 24	13 25	2 22	6 44	0 42	23 14	0 11	4 6	2 37	16 57	0 41	22 23	0 46	4 4	13 57	21 23	21 10	6 0	16 3	4 25			
F 8	23 26	17 1	4 0	20 33	2 37	13 47	2 21	6 27	0 41	23 15	0 11	4 6	2 37	16 56	0 41	22 22	0 46	4 5	13 57	21 24	21 11	5 58	16 3	4 25			
S 9	23 27	19 44	3 8	20 16	2 48	14 9	2 20	6 10	0 39	23 15	0 11	4 6	2 37	16 55	0 41	22 22	0 46	4 5	13 57	21 24	21 11	5 56	16 2	4 25			
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