



# Astrodienst Ephemeris Tables for the year 2115

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 2115

## geocentric

JANUARY 2115

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 40 27	9°35'57	3°34	26°R27	24°M34	17°Y 6	10°Z14	5°Y32	21°R18	19°A59	16°R51	2°R15	0°II51	22°A29	12°K34	T 1
W 2	6 44 23	10°58'06	16°12	26°Z19	25°42	17°38	10°27	5°35	21°II15	19°59	16°B50	2°II10	0°48	22°36	12°37	W 2
T 3	6 48 20	11°59'16	29° 6	26° 0	26°50	18°11	10°41	5°37	21°13	20° 0	16°50	2° 8	0°45	22°42	12°39	T 3
F 4	6 52 16	13° 0'25	12°Y18	25°28	27°58	18°44	10°55	5°40	21°11	20° 1	16°49	2°D 7	0°42	22°49	12°41	F 4
S 5	6 56 13	14° 1'34	25°52	24°45	29° 7	19°17	11° 9	5°43	21° 8	20° 1	16°48	2° 7	0°38	22°56	12°43	S 5
S 6	7 0 9	15° 2'43	9°B48	23°51	0°X15	19°50	11°23	5°46	21° 6	20° 2	16°48	2° 9	0°35	23° 2	12°46	S 6
M 7	7 4 6	16° 3'52	24° 8	22°47	1°24	20°23	11°37	5°49	21° 4	20° 2	16°47	2°10	0°32	23° 9	12°48	M 7
T 8	7 8 2	17° 5'00	8°II50	21°36	2°33	20°56	11°51	5°52	21° 2	20° 3	16°47	2°R10	0°29	23°16	12°51	T 8
W 9	7 11 59	18° 6'08	23°48	20°19	3°42	21°30	12° 4	5°55	20°59	20° 3	16°46	2° 8	0°26	23°22	12°53	W 9
T 10	7 15 56	19° 7'16	8°Z57	18°59	4°51	22° 3	12°18	5°59	20°57	20° 4	16°46	2° 4	0°23	23°29	12°56	T 10
F 11	7 19 52	20° 8'24	24° 6	17°39	6° 0	22°37	12°32	6° 2	20°55	20° 4	16°46	1°58	0°19	23°36	12°59	F 11
S 12	7 23 49	21° 9'31	9°Q 6	16°20	7°10	23°11	12°46	6° 6	20°53	20° 4	16°45	1°50	0°16	23°42	13° 1	S 12
S 13	7 27 45	22°10'38	23°46	15° 6	8°19	23°45	13° 0	6°10	20°51	20° 5	16°45	1°42	0°13	23°49	13° 4	S 13
M14	7 31 42	23°11'45	8°P 1	13°58	9°29	24°19	13°13	6°13	20°49	20° 5	16°44	1°34	0°10	23°56	13° 7	M14
T 15	7 35 38	24°12'52	21°48	12°58	10°39	24°53	13°27	6°17	20°47	20° 5	16°44	1°28	0° 7	24° 2	13° 9	T 15
W16	7 39 35	25°13'59	5°A 4	12° 7	11°49	25°28	13°41	6°21	20°45	20° 5	16°44	1°23	0° 4	24° 9	13°12	W16
T 17	7 43 31	26°15'06	17°54	11°26	12°59	26° 2	13°55	6°25	20°43	20° 6	16°43	1°21	0° 0	24°15	13°15	T 17
F 18	7 47 28	27°16'13	0°M21	10°54	14° 9	26°36	14° 8	6°29	20°41	20° 6	16°43	1°D21	29°B57	24°22	13°18	F 18
S 19	7 51 25	28°17'19	12°29	10°31	15°19	27°11	14°22	6°33	20°39	20° 6	16°43	1°21	29°54	24°29	13°21	S 19
S 20	7 55 21	29°18'25	24°25	10°18	16°30	27°46	14°36	6°38	20°37	20° 6	16°43	1°22	29°51	24°35	13°24	S 20
M21	7 59 18	0°A19'31	6°X14	10°D14	17°40	28°21	14°49	6°42	20°35	20° 6	16°42	1°R22	29°48	24°42	13°27	M21
T 22	8 3 14	1°20'37	18° 0	10°18	18°51	28°55	15° 3	6°46	20°33	20°R 6	16°42	1°21	29°44	24°49	13°30	T 22
W23	8 7 11	2°21'42	29°47	10°30	20° 2	29°30	15°16	6°51	20°32	20° 6	16°42	1°17	29°41	24°55	13°33	W23
T 24	8 11 7	3°22'47	11°Z39	10°49	21°13	0°B 5	15°30	6°55	20°30	20° 6	16°42	1°10	29°38	25° 2	13°36	T 24
F 25	8 15 4	4°23'51	23°39	11°15	22°24	0°41	15°44	7° 0	20°28	20° 6	16°42	1° 0	29°35	25° 9	13°39	F 25
S 26	8 19 0	5°24'55	5°A48	11°46	23°35	1°16	15°57	7° 5	20°27	20° 6	16°42	0°49	29°32	25°15	13°43	S 26
S 27	8 22 57	6°25'57	18° 7	12°23	24°46	1°51	16°11	7°10	20°25	20° 5	16°41	0°36	29°29	25°22	13°46	S 27
M28	8 26 54	7°26'59	0°K36	13° 5	25°57	2°27	16°24	7°15	20°24	20° 5	16°41	0°23	29°25	25°29	13°49	M28
T 29	8 30 50	8°28'00	13°17	13°51	27° 8	3° 2	16°37	7°20	20°22	20° 5	16°41	0°11	29°22	25°35	13°52	T 29
W30	8 34 47	9°29'00	26° 8	14°41	28°20	3°38	16°51	7°25	20°21	20° 5	16°41	0° 2	29°19	25°42	13°56	W30
T 31	8 38 43	10°A29'59	9°Y11	15°Z35	29°X31	4°B13	17°Z 4	7°Y30	20°II19	20°A 4	16°D41	29°B55	29°B16	25°X49	13°K59	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	23s 3	15s 1	5s11	20s41	0n10	16s10	2n49	7n 3	0n22	23s 0	0n 2	0s 1	2s25	23n15	0n 7	T 1
W 2	22 58	10 4	5 1	20 25	0 28	16 26	2 49	7 17	0 23	22 59	0 2	0n 0	2 24	23 15	0 7	W 2
T 3	22 53	4 36	4 37	20 10	0 47	16 43	2 48	7 30	0 25	22 58	0 1	0 1	2 24	23 15	0 7	T 3
F 4	22 47	1n13	3 58	19 57	1 6	16 59	2 47	7 44	0 26	22 57	0 1	0 3	2 24	23 14	0 7	F 4
S 5	22 41	7 8	3 4	19 45	1 26	17 15	2 46	7 58	0 27	22 56	0 1	0 4	2 24	23 14	0 7	S 5
S 6	22 35	12 52	1 58	19 36	1 45	17 30	2 45	8 12	0 29	22 55	0 1	0 6	2 24	23 14	0 7	S 6
M 7	22 28	18 6	0 43	19 28	2 4	17 45	2 44	8 25	0 30	22 54	0 1	0 7	2 23	23 14	0 7	M 7
T 8	22 20	22 21	0n36	19 22	2 21	18 0	2 42	8 39	0 31	22 53	0 1	0 8	2 23	23 14	0 7	T 8
W 9	22 12	25 11	1 54	19 18	2 37	18 15	2 41	8 53	0 32	22 52	0 1	0 10	2 23	23 14	0 7	W 9
T 10	22 4	26 12	3 5	19 16	2 50	18 29	2 40	9 6	0 34	22 51	0 1	0 11	2 23	23 14	0 7	T 10
F 11	21 55	25 16	4 3	19 15	3 2	18 42	2 38	9 20	0 35	22 49	0 1	0 13	2 22	23 13	0 7	F 11
S 12	21 46	22 32	4 44	19 16	3 11	18 56	2 36	9 34	0 36	22 48	0 1	0 15	2 22	23 13	0 7	S 12
S 13	21 36	18 22	5 4	19 18	3 17	19 8	2 34	9 47	0 37	22 47	0 0	0 16	2 22	23 13	0 7	S 13
M14	21 26	13 16	5 5	19 22	3 21	19 21	2 32	10 1	0 38	22 46	0 0	0 18	2 22	23 13	0 7	M14
T 15	21 16	7 40	4 48	19 26	3 23	19 33	2 30	10 14	0 39	22 44	0 0	0 20	2 22	23 13	0 7	T 15
W16	21 5	1 54	4 16	19 31	3 22	19 44	2 28	10 28	0 40	22 43	0 0	0 21	2 21	23 13	0 7	W16
T 17	20 53	3s45	3 32	19 37	3 19	19 56	2 26	10 41	0 41	22 42	0 0	0 23	2 21	23 13	0 7	T 17
F 18	20 42	9 6	2 39	19 44	3 15	20 6	2 24	10 55	0 42	22 41	0s 0	0 25	2 21	23 13	0 7	F 18
S 19	20 30	14 0	1 40	19 52	3 9	20 16	2 22	11 8	0 43	22 39	0 0	0 27	2 21	23 12	0 7	S 19
S 20	20 17	18 16	0 37	20 0	3 2	20 26	2 19	11 21	0 44	22 38	0 0	0 29	2 20	23 12	0 7	S 20
M21	20 4	21 46	0s26	20 8	2 54	20 35	2 17	11 35	0 45	22 36	0 0	0 31	2 20	23 12	0 7	M21
T 22	19 51	24 20	1 28	20 16	2 46	20 44	2 14	11 48	0 46	22 35	0 0	0 33	2 20	23 12	0 7	T 22
W23	19 37	25 51	2 26	20 25	2 36	20 52	2 12	12 1	0 47	22 34	0 0	0 35	2 20	23 12	0 7	W23
T 24	19 23	26 12	3 18	20 33	2 27	20 59	2 9	12 14	0 48	22 32	0 1	0 37	2 20	23 12	0 7	T 24
F 25	19 9	25 19	4 1	20 41	2 17	21 6	2 6	12 28	0 48	22 31	0 1	0 39	2 19	23 12	0 7	F 25
S 26	18 54	23 14	4 34	20 48	2 6	21 13	2 3	12 41	0 49	22 29	0 1	0 41	2 19	23 12	0 7	S 26
S 27	18 39	20 4	4 55	20 55	1 56	21 19	2 1	12 54	0 50	22 28	0 1	0 43	2 19	23 11	0 7	S 27
M28	18 24	15 57	5 2	21 2	1 45	21 24	1 58	13 7	0 51	22 26	0 1	0 45	2 19	23 11	0 7	M28
T 29	18 8	11 6	4 54	21 8	1 35	21 29	1 55	13 20	0 52	22 25	0 1	0 47	2 19	23 11	0 7	T 29
W30	17 52	5 42	4 32	21 13	1 24	21 33	1 52	13 33	0 53	22 23	0 1	0 49	2 19	23 11	0 7	W30
T 31	17s36	0n 2	3s55	21s17	1n14	21s37	1n49	13n45	0n53	22s21	0s 1	0n51	2s18	23n11	0n 7	T 31

Julian Day Number = 2493547.5, Delta T = 100.58 sec

Ecliptic obliquity = 23°25'32", Nutation = - 0°00'14", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 26°20'49", Lahiri = 25°27'50"

# ASTRODIENST EPHEMERIS for the year 2115

## geocentric

FEBRUARY 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 40	11 <sup>30</sup> 56	22 <sup>27</sup> 27	16 <sup>32</sup> 32	0 <sup>42</sup> 42	4 <sup>49</sup> 49	17 <sup>17</sup> 17	7 <sup>35</sup> 35	20 <sup>R</sup> 18	20 <sup>R</sup> 4	16 <sup>41</sup> 41	29 <sup>R</sup> 51	29 <sup>8</sup> 13	25 <sup>55</sup> 55	14 <sup>14</sup> 2	F 1
S 2	8 46 36	12 <sup>31</sup> 53	5 <sup>58</sup> 58	17 <sup>31</sup> 31	1 <sup>54</sup> 54	5 <sup>25</sup> 25	17 <sup>31</sup> 31	7 <sup>40</sup> 40	20 <sup>II</sup> 17	20 <sup>4</sup> 4	16 <sup>41</sup> 41	29 <sup>8</sup> 50	29 <sup>10</sup> 10	26 <sup>2</sup> 2	14 <sup>6</sup> 6	S 2
S 3	8 50 33	13 <sup>32</sup> 48	19 <sup>45</sup> 45	18 <sup>34</sup> 34	3 <sup>6</sup> 6	6 <sup>1</sup> 1	17 <sup>44</sup> 44	7 <sup>46</sup> 46	20 <sup>15</sup> 15	20 <sup>3</sup> 3	16 <sup>41</sup> 41	29 <sup>D</sup> 50	29 <sup>6</sup> 6	26 <sup>9</sup> 9	14 <sup>9</sup> 9	S 3
M 4	8 54 29	14 <sup>33</sup> 42	3 <sup>II</sup> 49	19 <sup>39</sup> 39	4 <sup>17</sup> 17	6 <sup>36</sup> 36	17 <sup>57</sup> 57	7 <sup>51</sup> 51	20 <sup>14</sup> 14	20 <sup>3</sup> 3	16 <sup>41</sup> 41	29 <sup>R</sup> 50	29 <sup>3</sup> 3	26 <sup>15</sup> 15	14 <sup>12</sup> 12	M 4
T 5	8 58 26	15 <sup>34</sup> 34	18 <sup>9</sup> 9	20 <sup>47</sup> 47	5 <sup>29</sup> 29	7 <sup>12</sup> 12	18 <sup>10</sup> 10	7 <sup>57</sup> 57	20 <sup>13</sup> 13	20 <sup>2</sup> 2	16 <sup>42</sup> 42	29 <sup>49</sup> 49	29 <sup>0</sup> 0	26 <sup>22</sup> 22	14 <sup>16</sup> 16	T 5
W 6	9 2 23	16 <sup>35</sup> 25	2 <sup>44</sup> 44	21 <sup>56</sup> 56	6 <sup>41</sup> 41	7 <sup>48</sup> 48	18 <sup>23</sup> 23	8 <sup>2</sup> 2	20 <sup>12</sup> 12	20 <sup>2</sup> 2	16 <sup>42</sup> 42	29 <sup>45</sup> 45	28 <sup>57</sup> 57	26 <sup>29</sup> 29	14 <sup>19</sup> 19	W 6
T 7	9 6 19	17 <sup>36</sup> 15	17 <sup>30</sup> 30	23 <sup>8</sup> 8	7 <sup>53</sup> 53	8 <sup>24</sup> 24	18 <sup>36</sup> 36	8 <sup>8</sup> 8	20 <sup>11</sup> 11	20 <sup>1</sup> 1	16 <sup>42</sup> 42	29 <sup>39</sup> 39	28 <sup>54</sup> 54	26 <sup>35</sup> 35	14 <sup>23</sup> 23	T 7
F 8	9 10 16	18 <sup>37</sup> 04	2 <sup>20</sup> 20	24 <sup>21</sup> 21	9 <sup>5</sup> 5	9 <sup>1</sup> 1	18 <sup>49</sup> 49	8 <sup>14</sup> 14	20 <sup>10</sup> 10	20 <sup>1</sup> 1	16 <sup>42</sup> 42	29 <sup>30</sup> 30	28 <sup>50</sup> 50	26 <sup>42</sup> 42	14 <sup>26</sup> 26	F 8
S 9	9 14 12	19 <sup>37</sup> 51	17 <sup>6</sup> 6	25 <sup>36</sup> 36	10 <sup>17</sup> 17	9 <sup>37</sup> 37	19 <sup>2</sup> 2	8 <sup>20</sup> 20	20 <sup>9</sup> 9	20 <sup>0</sup> 0	16 <sup>42</sup> 42	29 <sup>19</sup> 19	28 <sup>47</sup> 47	26 <sup>49</sup> 49	14 <sup>30</sup> 30	S 9
S 10	9 18 9	20 <sup>38</sup> 37	1 <sup>38</sup> 38	26 <sup>52</sup> 52	11 <sup>29</sup> 29	10 <sup>13</sup> 13	19 <sup>15</sup> 15	8 <sup>25</sup> 25	20 <sup>8</sup> 8	20 <sup>0</sup> 0	16 <sup>42</sup> 42	29 <sup>7</sup> 7	28 <sup>44</sup> 44	26 <sup>55</sup> 55	14 <sup>34</sup> 34	S 10
M 11	9 22 5	21 <sup>39</sup> 21	15 <sup>51</sup> 51	28 <sup>10</sup> 10	12 <sup>41</sup> 41	10 <sup>49</sup> 49	19 <sup>28</sup> 28	8 <sup>31</sup> 31	20 <sup>7</sup> 7	19 <sup>59</sup> 59	16 <sup>43</sup> 43	28 <sup>55</sup> 55	28 <sup>41</sup> 41	27 <sup>2</sup> 2	14 <sup>37</sup> 37	M 11
T 12	9 26 2	22 <sup>40</sup> 05	29 <sup>39</sup> 39	29 <sup>29</sup> 29	13 <sup>53</sup> 53	11 <sup>25</sup> 25	19 <sup>41</sup> 41	8 <sup>37</sup> 37	20 <sup>6</sup> 6	19 <sup>58</sup> 58	16 <sup>43</sup> 43	28 <sup>45</sup> 45	28 <sup>38</sup> 38	27 <sup>9</sup> 9	14 <sup>41</sup> 41	T 12
W 13	9 29 58	23 <sup>40</sup> 47	13 <sup>4</sup> 4	0 <sup>50</sup> 50	15 <sup>5</sup> 5	12 <sup>2</sup> 2	19 <sup>53</sup> 53	8 <sup>43</sup> 43	20 <sup>6</sup> 6	19 <sup>57</sup> 57	16 <sup>43</sup> 43	28 <sup>37</sup> 37	28 <sup>35</sup> 35	27 <sup>15</sup> 15	14 <sup>44</sup> 44	W 13
T 14	9 33 55	24 <sup>41</sup> 28	25 <sup>54</sup> 54	2 <sup>12</sup> 12	16 <sup>18</sup> 18	12 <sup>38</sup> 38	20 <sup>6</sup> 6	8 <sup>49</sup> 49	20 <sup>5</sup> 5	19 <sup>57</sup> 57	16 <sup>43</sup> 43	28 <sup>32</sup> 32	28 <sup>31</sup> 31	27 <sup>22</sup> 22	14 <sup>48</sup> 48	T 14
F 15	9 37 52	25 <sup>42</sup> 08	8 <sup>25</sup> 25	3 <sup>35</sup> 35	17 <sup>30</sup> 30	13 <sup>15</sup> 15	20 <sup>18</sup> 18	8 <sup>55</sup> 55	20 <sup>4</sup> 4	19 <sup>56</sup> 56	16 <sup>44</sup> 44	28 <sup>29</sup> 29	28 <sup>28</sup> 28	27 <sup>29</sup> 29	14 <sup>52</sup> 52	F 15
S 16	9 41 48	26 <sup>42</sup> 48	20 <sup>37</sup> 37	4 <sup>59</sup> 59	18 <sup>42</sup> 42	13 <sup>51</sup> 51	20 <sup>31</sup> 31	9 <sup>2</sup> 2	20 <sup>4</sup> 4	19 <sup>55</sup> 55	16 <sup>44</sup> 44	28 <sup>29</sup> 29	28 <sup>25</sup> 25	27 <sup>35</sup> 35	14 <sup>55</sup> 55	S 16
S 17	9 45 45	27 <sup>43</sup> 26	2 <sup>35</sup> 35	6 <sup>24</sup> 24	19 <sup>55</sup> 55	14 <sup>28</sup> 28	20 <sup>43</sup> 43	9 <sup>8</sup> 8	20 <sup>3</sup> 3	19 <sup>54</sup> 54	16 <sup>44</sup> 44	28 <sup>29</sup> 29	28 <sup>22</sup> 22	27 <sup>42</sup> 42	14 <sup>59</sup> 59	S 17
M 18	9 49 41	28 <sup>44</sup> 02	14 <sup>25</sup> 25	7 <sup>50</sup> 50	21 <sup>7</sup> 7	15 <sup>4</sup> 4	20 <sup>56</sup> 56	9 <sup>14</sup> 14	20 <sup>3</sup> 3	19 <sup>53</sup> 53	16 <sup>45</sup> 45	28 <sup>28</sup> 28	28 <sup>19</sup> 19	27 <sup>49</sup> 49	15 <sup>3</sup> 3	M 18
T 19	9 53 38	29 <sup>44</sup> 38	26 <sup>12</sup> 12	9 <sup>18</sup> 18	22 <sup>20</sup> 20	15 <sup>41</sup> 41	21 <sup>8</sup> 8	9 <sup>21</sup> 21	20 <sup>2</sup> 2	19 <sup>53</sup> 53	16 <sup>45</sup> 45	28 <sup>26</sup> 26	28 <sup>15</sup> 15	27 <sup>55</sup> 55	15 <sup>7</sup> 7	T 19
W 20	9 57 34	0 <sup>45</sup> 12	8 <sup>2</sup> 2	10 <sup>46</sup> 46	23 <sup>32</sup> 32	16 <sup>17</sup> 17	21 <sup>21</sup> 21	9 <sup>27</sup> 27	20 <sup>2</sup> 2	19 <sup>52</sup> 52	16 <sup>46</sup> 46	28 <sup>21</sup> 21	28 <sup>12</sup> 12	28 <sup>2</sup> 2	15 <sup>10</sup> 10	W 20
T 21	10 1 31	1 <sup>45</sup> 46	19 <sup>58</sup> 58	12 <sup>16</sup> 16	24 <sup>45</sup> 45	16 <sup>54</sup> 54	21 <sup>33</sup> 33	9 <sup>34</sup> 34	20 <sup>1</sup> 1	19 <sup>51</sup> 51	16 <sup>46</sup> 46	28 <sup>14</sup> 14	28 <sup>9</sup> 9	28 <sup>9</sup> 9	15 <sup>14</sup> 14	T 21
F 22	10 5 27	2 <sup>46</sup> 17	2 <sup>5</sup> 5	13 <sup>46</sup> 46	25 <sup>58</sup> 58	17 <sup>31</sup> 31	21 <sup>45</sup> 45	9 <sup>40</sup> 40	20 <sup>1</sup> 1	19 <sup>50</sup> 50	16 <sup>47</sup> 47	28 <sup>4</sup> 4	28 <sup>6</sup> 6	28 <sup>15</sup> 15	15 <sup>18</sup> 18	F 22
S 23	10 9 24	3 <sup>46</sup> 48	14 <sup>25</sup> 25	15 <sup>17</sup> 17	27 <sup>10</sup> 10	18 <sup>7</sup> 7	21 <sup>57</sup> 57	9 <sup>47</sup> 47	20 <sup>1</sup> 1	19 <sup>49</sup> 49	16 <sup>47</sup> 47	27 <sup>51</sup> 51	28 <sup>3</sup> 3	28 <sup>22</sup> 22	15 <sup>22</sup> 22	S 23
S 24	10 13 21	4 <sup>47</sup> 16	26 <sup>58</sup> 58	16 <sup>50</sup> 50	28 <sup>23</sup> 23	18 <sup>44</sup> 44	22 <sup>9</sup> 9	9 <sup>53</sup> 53	20 <sup>1</sup> 1	19 <sup>48</sup> 48	16 <sup>48</sup> 48	27 <sup>38</sup> 38	28 <sup>0</sup> 0	28 <sup>29</sup> 29	15 <sup>25</sup> 25	S 24
M 25	10 17 17	5 <sup>47</sup> 43	9 <sup>45</sup> 45	18 <sup>23</sup> 23	29 <sup>36</sup> 36	19 <sup>21</sup> 21	22 <sup>21</sup> 21	10 <sup>0</sup> 0	20 <sup>1</sup> 1	19 <sup>47</sup> 47	16 <sup>48</sup> 48	27 <sup>24</sup> 24	27 <sup>56</sup> 56	28 <sup>35</sup> 35	15 <sup>29</sup> 29	M 25
T 26	10 21 14	6 <sup>48</sup> 09	22 <sup>46</sup> 46	19 <sup>57</sup> 57	0 <sup>48</sup> 48	19 <sup>58</sup> 58	22 <sup>33</sup> 33	10 <sup>7</sup> 7	20 <sup>0</sup> 0	19 <sup>46</sup> 46	16 <sup>49</sup> 49	27 <sup>11</sup> 11	27 <sup>53</sup> 53	28 <sup>42</sup> 42	15 <sup>33</sup> 33	T 26
W 27	10 25 10	7 <sup>48</sup> 32	5 <sup>49</sup> 49	21 <sup>33</sup> 33	2 <sup>1</sup> 1	20 <sup>35</sup> 35	22 <sup>44</sup> 44	10 <sup>13</sup> 13	20 <sup>D</sup> 0	19 <sup>44</sup> 44	16 <sup>49</sup> 49	27 <sup>0</sup> 0	27 <sup>50</sup> 50	28 <sup>49</sup> 49	15 <sup>37</sup> 37	W 27
T 28	10 29 7	8 <sup>48</sup> 54	19 <sup>49</sup> 49	23 <sup>33</sup> 33	3 <sup>14</sup> 14	21 <sup>12</sup> 12	22 <sup>56</sup> 56	10 <sup>19</sup> 19	20 <sup>II</sup> 0	19 <sup>43</sup> 43	16 <sup>50</sup> 50	26 <sup>53</sup> 53	27 <sup>47</sup> 47	28 <sup>55</sup> 55	15 <sup>41</sup> 41	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
F 1	17s19	5n53	3s 4	21s21	1n 4	21s40	1n46	13n58	0n54	22s20	0s 1	0n54	2s18	23n11	0n 7	6s20	1n37	1n54	15s31	20n 6	19n58	25s41	1s58	4n40			
S 2	17 2	11 34	2 3	21 24	0 54	21 42	1 42	14 11	0 55	22 18	0 1	0 56	2 18	23 11	0 7	6 20	1 37	1 55	15 31	20 6	19 58	25 42	1 57	4 40			
S 3	16 45	16 49	0 53	21 25	0 44	21 44	1 39	14 23	0 55	22 17	0 2	0 58	2 18	23 11	0 7	6 20	1 37	1 55	15 30	20 6	19 57	25 43	1 55	4 40			
M 4	16 27	21 15	0n21	21 26	0 34	21 45	1 36	14 36	0 56	22 15	0 2	1 0	2 18	23 11	0 7	6 20	1 37	1 55	15 30	20 6	19 56	25 44	1 54	4 40			
T 5	16 9	24 29	1 35	21 25	0 24	21 46	1 33	14 48	0 57	22 13	0 2	1 3	2 17	23 11	0 7	6 20	1 37	1 56	15 30	20 6	19 55	25 45	1 53	4 40			
W 6	15 51	26 9	2 45	21 24	0 15	21 46	1 29	15 1	0 58	22 12	0 2	1 5	2 17	23 11	0 7	6 19	1 37	1 56	15 29	20 5	19 55	25 46	1 52	4 39			
T 7	15 33	25 59	3 44	21 21	0 6	21 45	1 26	15 13	0 58	22 10	0 2	1 7	2 17	23 10	0 7	6 19	1 37	1 56	15 29	20 4	19 54	25 47	1 51	4 39			
F 8	15 14	23 58	4 28	21 17	0s 3	21 44	1 23	15 25	0 59	22 8	0 2	1 10	2 17	23 10	0 7	6 19	1 37	1 57	15 29	20 2	19 53	25 48	1 50	4 39			
S 9	14 55	20 22	4 54	21 12	0 12	21 42	1 20	15 37	0 59	22 7	0 2	1 12	2 17	23 10	0 7	6 19	1 38	1 57	15 28	20 0	19 53	25 49	1 48	4 39			
S 10	14 36	15 33	5 0	21 6	0 20	21 40	1 16	15 49	1 0	22 5	0 2	1 15	2 17	23 10	0 7	6 18	1 38	1 58	15 28	19 57	19 52	25 49	1 47	4 39			
M11	14 17	10 0	4 48	20 59	0 28	21 37	1 13	16 1	1 1	22 3	0 2	1 17	2 17	23 10	0 7	6 18	1 38	1 58	15 28	19 54	19 51	25 50	1 46	4 39			
T 12	13 57	4 5	4 19	20 50	0 36	21 33	1 9	16 13	1 1	22 1	0 2	1 20	2 16	23 10	0 7	6 18	1 38	1 58	15 27	19 52	19 51	25 51	1 45	4 38			
W13	13 37	1s49	3 36	20 41	0 44	21 29	1 6	16 25	1 2	22 0	0 3	1 22	2 16	23 10	0 7	6 17	1 38	1 59	15 27	19 50	19 50	25 52	1 44	4 38			
T 14	13 17	7 28	2 43	20 30	0 51	21 24	1 2	16 37	1 2	21 58	0 3	1 25	2 16	23 10	0 7	6 17	1 38	1 59	15 27	19 49	19 49	25 53	1 42	4 38			
F 15	12 57	12 40	1 44	20 17	0 58	21 18	0 59	16 48	1 3	21 56	0 3	1 27	2 16	23 10	0 7	6 17	1 38	2 0	15 26	19 49	19 48	25 54	1 41	4 38			
S 16	12 36	17 14	0 42	20 4	1 5	21 12	0 56	17 0	1 3	21 54	0 3	1 30	2 16	23 10	0 7	6 16	1 38	2 0	15 26	19 49	19 47	25 55	1 40	4 38			
S 17	12 15	21 1	0s22	19 49	1 12	21 5	0 52	17 11	1 4	21 53	0 3	1 32	2 16	23 10	0 7	6 16	1 38	2 0	15 26	19 49	19 47	25 56	1 38	4 38			
M18	11 54	23 54	1 23	19 33	1 18	20 58	0 49	17 22	1 5	21 51	0 3	1 35	2 16	23 10	0 7	6 16	1 38	2 1	15 25	19 48	19 46	25 57	1 37	4 38			
T 19	11 33	25 43	2 21	19 16	1 24	20 50	0 45	17 34	1 5	21 49	0 3	1 38	2 15	23 10	0 7	6 15	1 38	2 1	15 25	19 48	19 46	25 58	1 36	4 37			
W20	11 12	26 23	3 13	18 57	1 29	20 41	0 42	17 45	1 6	21 47	0 3	1 40	2 15	23 10	0 7	6 15	1 38	2 2	15 25	19 47	19 45	25 59	1 34	4 37			
T 21	10 51	25 50	3 57	18 37	1 34	20 32	0 38	17 56	1 6	21 45	0 3	1 43	2 15	23 10	0 7	6 14	1 38	2 2	15 24	19 45	19 44	25 59	1 33	4 37			
F 22	10 29	24 4	4 30	18 16	1 39	20 22	0 35	18 7	1 6	21 44	0 3	1 45	2 15	23 10	0 7	6 14	1 38	2 3	15 24	19 43	19 44	26 0	1 32	4 37			
S 23	10 7	21 9	4 52	17 54	1 44	20 12	0 31	18 17	1 7	21 42	0 4	1 48	2 15	23 10	0 7	6 14	1 38	2 3	15 24	19 40	19 43	26 1	1 30	4 37			
S 24	9 45	17 12	5 0	17 30	1 48	20 1	0 28	18 28	1 7	21 40	0 4	1 51	2 15	23 10	0 7	6 13	1 38	2 3	15 23	19 37	19 42	26 2	1 29	4 37			
M25	9 23	12 26	4 53	17 3	1 52	19 49	0 25	18 39	1 8	21 38	0 4	1 54	2 15	23 10	0 7	6 13	1 38	2 4	15 23	19 34	19 41	26 3	1 28	4 37			
T 26	9 1	7 1	4 31	16 39	1 55	19 37	0 21	18 49	1 8	21 36	0 4	1 56	2 15	23 10	0 7	6 12	1 38	2 4	15 23	19 31	19 41	26 4	1 26	4 37			
W27	8 38	1 13	3 54	16 11	1 59	19 24	0 18	18 59	1 9	21 35	0 4	1 59	2 14	23 10	0 7	6 12	1 38	2 5	15 22	19 29	19 40	26 4	1 25	4 37			
T 28	8s16	4n44	3s 4	15s42	2s 1	19s11	0n15	19n 9	1n 9	21s33	0s 4	2n 2	2s14	23n10	0n 7	6s11	1n38	2n 5	15s22	19n27	19n39	26s 5	1s24	4n36			

ASTRODIENST EPHEMERIS for the year 2115  
geocentric

MARCH 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 33 3	9 <sup>h</sup> 49'14	2 <sup>h</sup> 56	24 <sup>h</sup> 46	4 <sup>h</sup> 27	21 <sup>h</sup> 49	23 <sup>h</sup> 3	10 <sup>h</sup> 27	20 <sup>h</sup> 0	19 <sup>h</sup> R42	16 <sup>h</sup> 50	26 <sup>h</sup> R48	27 <sup>h</sup> 44	29 <sup>h</sup> 2	15 <sup>h</sup> 44	F 1
S 2	10 37 0	10°49'32	16°38	26°24	5°40	22°25	23°19	10°34	20°1	19 <sup>h</sup> 41	16°51	26 <sup>h</sup> 46	27°41	29°9	15°48	S 2
S 3	10 40 56	11°49'48	0 <sup>h</sup> 29	28°4	6°53	23°2	23°31	10°41	20°1	19°40	16°52	26°D46	27°37	29°15	15°52	S 3
M 4	10 44 53	12°50'03	14°28	29°44	8°6	23°39	23°42	10°48	20°1	19°39	16°52	26°R46	27°34	29°22	15°56	M 4
T 5	10 48 50	13°50'15	28°36	1 <sup>h</sup> 25	9°18	24°17	23°53	10°55	20°1	19°37	16°53	26°45	27°31	29°29	16°0	T 5
W 6	10 52 46	14°50'25	12 <sup>h</sup> 52	3°8	10°31	24°54	24°5	11°2	20°2	19°36	16°54	26°43	27°28	29°35	16°3	W 6
T 7	10 56 43	15°50'32	27°13	4°51	11°44	25°31	24°16	11°9	20°2	19°35	16°55	26°37	27°25	29°42	16°7	T 7
F 8	11 0 39	16°50'38	11 <sup>h</sup> 23	6°36	12°57	26°8	24°27	11°16	20°3	19°33	16°55	26°29	27°21	29°49	16°11	F 8
S 9	11 4 36	17°50'42	25°54	8°21	14°10	26°45	24°38	11°23	20°3	19°32	16°56	26°19	27°18	29°55	16°15	S 9
S 10	11 8 32	18°50'43	10 <sup>h</sup> 3	10°8	15°23	27°22	24°48	11°30	20°4	19°31	16°57	26°8	27°15	0 <sup>h</sup> 2	16°19	S 10
M 11	11 12 29	19°50'43	23°58	11°56	16°37	27°59	24°59	11°37	20°4	19°29	16°58	25°57	27°12	0°9	16°23	M 11
T 12	11 16 25	20°50'41	7 <sup>h</sup> 34	13°45	17°50	28°36	25°10	11°45	20°5	19°28	16°58	25°47	27°9	0°15	16°26	T 12
W 13	11 20 22	21°50'37	20°47	15°35	19°3	29°13	25°20	11°52	20°6	19°27	16°59	25°40	27°6	0°22	16°30	W 13
T 14	11 24 19	22°50'31	3 <sup>h</sup> 39	17°26	20°16	29°51	25°31	11°59	20°6	19°25	17°0	25°35	27°2	0°29	16°34	T 14
F 15	11 28 15	23°50'23	16°10	19°18	21°29	0 <sup>h</sup> 28	25°41	12°6	20°7	19°24	17°1	25°33	26°59	0°35	16°38	F 15
S 16	11 32 12	24°50'14	28°24	21°11	22°42	1°5	25°51	12°14	20°8	19°22	17°2	25°D32	26°56	0°42	16°42	S 16
S 17	11 36 8	25°50'03	10 <sup>h</sup> 24	23°6	23°55	1°42	26°1	12°21	20°9	19°21	17°3	25°33	26°53	0°49	16°45	S 17
M 18	11 40 5	26°49'51	22°16	25°1	25°9	2°19	26°11	12°28	20°10	19°19	17°4	25°R34	26°50	0°55	16°49	M 18
T 19	11 44 1	27°49'36	4 <sup>h</sup> 3	26°58	26°22	2°57	26°21	12°36	20°11	19°18	17°5	25°34	26°47	1°2	16°53	T 19
W 20	11 47 58	28°49'20	15°57	28°56	27°35	3°34	26°31	12°43	20°12	19°16	17°6	25°32	26°43	1°9	16°57	W 20
T 21	11 51 54	29°49'03	27°56	0 <sup>h</sup> 54	28°48	4°11	26°41	12°51	20°13	19°15	17°6	25°28	26°40	1°15	17°1	T 21
F 22	11 55 51	0 <sup>h</sup> 48'43	10 <sup>h</sup> 7	2°53	0 <sup>h</sup> 2	4°49	26°50	12°58	20°14	19°13	17°7	25°22	26°37	1°22	17°4	F 22
S 23	11 59 48	1°48'22	22°34	4°53	1°15	5°26	27°0	13°5	20°16	19°12	17°8	25°14	26°34	1°29	17°8	S 23
S 24	12 3 44	2°47'59	5 <sup>h</sup> 17	6°54	2°28	6°3	27°9	13°13	20°17	19°10	17°9	25°5	26°31	1°35	17°12	S 24
M 25	12 7 41	3°47'34	18°20	8°55	3°41	6°41	27°18	13°20	20°18	19°9	17°10	24°55	26°27	1°42	17°16	M 25
T 26	12 11 37	4°47'07	1°40	10°56	4°55	7°18	27°27	13°28	20°20	19°7	17°11	24°46	26°24	1°49	17°19	T 26
W 27	12 15 34	5°46'38	15°16	12°57	6°8	7°55	27°36	13°35	20°21	19°5	17°13	24°39	26°21	1°55	17°23	W 27
T 28	12 19 30	6°46'06	29°5	14°58	7°21	8°33	27°45	13°43	20°23	19°4	17°14	24°34	26°18	2°2	17°27	T 28
F 29	12 23 27	7°45'33	13 <sup>h</sup> 3	16°58	8°35	9°10	27°54	13°50	20°24	19°2	17°15	24°32	26°15	2°9	17°30	F 29
S 30	12 27 23	8°44'58	27°8	18°58	9°48	9°47	28°2	13°58	20°26	19°1	17°16	24°D31	26°12	2°15	17°34	S 30
S 31	12 31 20	9°44'20	11 <sup>h</sup> 17	20°56	11 <sup>h</sup> 1	10 <sup>h</sup> 25	28 <sup>h</sup> 11	14°5	20 <sup>h</sup> 27	18 <sup>h</sup> 59	17 <sup>h</sup> 17	24 <sup>h</sup> 32	26 <sup>h</sup> 8	2 <sup>h</sup> 22	17 <sup>h</sup> 37	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
F 1	7s53	10n34	2s 3	15s12	2s 4	18s57	0n11	19n20	1n 9	21s31	0s 4	2n 5	2s14	23n10	0n 7	6s11
S 2	7 30	15 57	0 53	14 41	2 6	18 43	0 8	19 29	1 10	21 29	0 4	2 7	2 14	23 10	0 7	6 10
S 3	7 7	20 34	0n20	14 8	2 8	18 28	0 5	19 39	1 10	21 27	0 4	2 10	2 14	23 10	0 7	6 10
M 4	6 44	24 3	1 32	13 34	2 9	18 13	0 1	19 49	1 11	21 25	0 5	2 13	2 14	23 10	0 7	6 9
T 5	6 21	26 5	2 40	12 59	2 10	17 57	0s 2	19 59	1 11	21 24	0 5	2 16	2 14	23 10	0 7	6 9
W 6	5 58	26 26	3 39	12 22	2 10	17 40	0 5	20 8	1 11	21 22	0 5	2 19	2 14	23 10	0 7	6 8
T 7	5 35	25 1	4 24	11 45	2 10	17 23	0 8	20 17	1 12	21 20	0 5	2 21	2 14	23 10	0 7	6 8
F 8	5 11	21 58	4 52	11 6	2 10	17 6	0 11	20 26	1 12	21 18	0 5	2 24	2 14	23 10	0 7	6 7
S 9	4 48	17 37	5 2	10 25	2 9	16 48	0 14	20 35	1 12	21 16	0 5	2 27	2 14	23 10	0 7	6 7
S 10	4 25	12 19	4 53	9 44	2 7	16 29	0 17	20 44	1 13	21 14	0 5	2 30	2 13	23 10	0 7	6 6
M 11	4 1	6 29	4 27	9 1	2 5	16 10	0 20	20 53	1 13	21 13	0 5	2 33	2 13	23 10	0 7	6 6
T 12	3 38	0 28	3 46	8 17	2 3	15 51	0 23	21 2	1 13	21 11	0 5	2 36	2 13	23 10	0 7	6 5
W 13	3 14	5s25	2 54	7 32	2 0	15 31	0 26	21 10	1 13	21 9	0 6	2 39	2 13	23 10	0 7	6 5
T 14	2 50	10 56	1 54	6 46	1 57	15 11	0 29	21 18	1 14	21 7	0 6	2 41	2 13	23 10	0 7	6 4
F 15	2 27	15 52	0 50	5 58	1 53	14 50	0 32	21 27	1 14	21 5	0 6	2 44	2 13	23 10	0 7	6 4
S 16	2 3	20 2	0s15	5 9	1 49	14 29	0 35	21 35	1 14	21 4	0 6	2 47	2 13	23 10	0 7	6 3
S 17	1 39	23 18	1 19	4 20	1 44	14 8	0 38	21 42	1 15	21 2	0 6	2 50	2 13	23 10	0 7	6 2
M 18	1 16	25 30	2 18	3 29	1 38	13 46	0 40	21 50	1 15	21 0	0 6	2 53	2 13	23 11	0 7	6 2
T 19	0 52	26 33	3 11	2 37	1 32	13 24	0 43	21 58	1 15	20 58	0 6	2 56	2 13	23 11	0 7	6 1
W 20	0 28	26 23	3 56	1 44	1 26	13 1	0 45	22 5	1 15	20 57	0 6	2 59	2 13	23 11	0 7	6 1
T 21	0 4	25 0	4 32	0 51	1 19	12 38	0 48	22 12	1 16	20 55	0 7	3 2	2 13	23 11	0 7	6 0
F 22	0n19	22 26	4 55	0n 3	1 11	12 15	0 50	22 20	1 16	20 53	0 7	3 5	2 13	23 11	0 7	5 59
S 23	0 43	18 48	5 6	0 58	1 3	11 51	0 53	22 27	1 16	20 51	0 7	3 8	2 13	23 11	0 7	5 59
S 24	1 7	14 14	5 1	1 54	0 55	11 27	0 55	22 33	1 16	20 50	0 7	3 10	2 13	23 11	0 7	5 58
M 25	1 30	8 55	4 41	2 50	0 45	11 2	0 57	22 40	1 16	20 48	0 7	3 13	2 13	23 11	0 7	5 58
T 26	1 54	3 6	4 5	3 47	0 36	10 38	1 0	22 46	1 17	20 46	0 7	3 16	2 13	23 11	0 7	5 57
W 27	2 18	3n 0	3 15	4 43	0 26	10 13	1 2	22 53	1 17	20 45	0 7	3 19	2 13	23 11	0 7	5 56
T 28	2 41	9 4	2 13	5 40	0 15	9 48	1 4	22 59	1 17	20 43	0 7	3 22	2 13	23 12	0 7	5 56
F 29	3 5	14 46	1 2	6 36	0 4	9 22	1 6	23 5	1 17	20 42	0 8	3 25	2 13	23 12	0 7	5 55
S 30	3 28	19 44	0n14	7 32	0n 7	8 56	1 8	23 11	1 17	20 40	0 8	3 28	2 13	23 12	0 7	5 54
S 31	3n51	23n36	1n29	8n27	0n18	8s30	1s10	23n16	1n17	20s38	0s 8	3n31	2s13	23n12	0n 7	5s54

Julian Day Number = 2493606.5, Delta T = 100.67 sec  
Ecliptic obliquity = 23°25'33, Nutation = -0°00'14, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 26°20'58, Lahiri = 25°27'58

ASTRODIENST EPHEMERIS for the year 2115  
geocentric

APRIL 2115

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 35 16	10°43'40	25°12'27	22°52'52	12°15'15	11°11'2	28°19'19	14°13'13	20°12'29	18°18'57	17°18'18	24°18'33	26°18'5	23°29'29	17°18'41	M 1
T 2	12 39 13	11°42'58	9°36'36	24°47'13	13°28'11	11°40'28	28°27'14	14°21'20	20°31'18	18°18'56	17°19'24	24°18'34	26°2'2	23°35'17	17°45'17	T 2
W 3	12 43 10	12°42'13	23°44'26	26°39'14	14°41'12	12°17'28	28°35'14	14°28'20	20°33'18	18°18'54	17°20'24	24°18'34	25°59'2	23°42'17	17°48'17	W 3
T 4	12 47 6	13°41'26	7°49'49	28°29'15	15°55'12	12°54'28	28°43'14	14°36'20	20°34'18	18°18'52	17°21'24	24°18'31	25°56'2	23°49'17	17°52'17	T 4
F 5	12 51 3	14°40'37	21°48'08	15'17	8°13	13°32'28	28°51'14	14°43'20	20°36'18	18°18'51	17°23'24	24°18'27	25°53'2	23°55'17	17°55'17	F 5
S 6	12 54 59	15°39'45	5°39'39	1°58'18	21°18	14°9'28	28°59'14	14°51'20	20°38'18	18°18'49	17°24'24	24°18'22	25°49'3	23°59'17	17°59'17	S 6
S 7	12 58 56	16°38'51	19°20'3	3°36'19	35°19	14°47'29	29°6'14	14°58'20	20°40'18	18°18'48	17°25'24	24°18'16	25°46'3	23°9'18	18°2'18	S 7
M 8	13 2 52	17°37'55	2°49'2	5°11'20	48°20	15°24'29	29°14'15	15°6'20	20°42'18	18°18'46	17°26'24	24°18'9	25°43'3	23°15'18	18°6'18	M 8
T 9	13 6 49	18°36'57	16°2'2	6°41'22	2°16	2°2'29	29°21'15	15°13'20	20°44'18	18°18'44	17°27'24	24°18'4	25°40'3	23°22'18	18°9'18	T 9
W10	13 10 45	19°35'56	28°59'8	6°23	15°16	16°39'29	29°28'15	15°21'20	20°46'18	18°18'43	17°29'24	24°18'0	25°37'3	23°29'18	18°12'18	W10
T 11	13 14 42	20°34'54	11°39'39	9°25'24	28°17	17°16'29	29°35'15	15°28'20	20°48'18	18°18'41	17°30'23	24°18'58	25°33'3	23°35'18	18°16'18	T 11
F 12	13 18 39	21°33'50	24°3'10	40°25	42°17	17°54'29	29°42'15	15°36'20	20°50'18	18°18'39	17°31'23	24°18'D57	25°30'3	23°42'18	18°19'18	F 12
S 13	13 22 35	22°32'44	6°14'14	11°49'26	55°18	18°31'29	29°48'15	15°43'20	20°53'18	18°18'38	17°32'23	24°18'58	25°27'3	23°49'18	18°22'18	S 13
S 14	13 26 32	23°31'36	18°14'12	52°28	8°19	9°29	29°55'15	15°51'20	20°55'18	18°18'36	17°33'23	24°18'59	25°24'3	23°55'18	18°26'18	S 14
M15	13 30 28	24°30'27	0°7'13	50°29	22°19	46°0	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	M15
T 16	13 34 25	25°29'15	11°57'14	41°0	35°20	24°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	T 16
W17	13 38 21	26°28'02	23°49'15	26°1°	49°21	1°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	W17
T 18	13 42 18	27°26'48	5°49'16	5°3°	2°21	38°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	T 18
F 19	13 46 14	28°25'31	18°0'16	38°4°	16°22	16°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	F 19
S 20	13 50 11	29°24'13	0°28'17	5°17	29°22	53°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	S 20
S 21	13 54 8	0°22'53	13°16'17	26°6	42°23	31°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	S 21
M22	13 58 4	1°21'31	26°25'17	40°7	56°24	8°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	M22
T 23	14 2 1	2°20'08	9°57'17	48°9	9°24	46°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	T 23
W24	14 5 57	3°18'42	23°49'17	50°10	23°25	23°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	W24
T 25	14 9 54	4°17'15	8°0'17	47°11	36°26	1°0°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	T 25
F 26	14 13 50	5°15'46	22°24'17	38°12	50°26	38°1°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	F 26
S 27	14 17 47	6°14'15	6°11'17	24°17	24°14	3°27	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	S 27
S 28	14 21 43	7°12'43	21°31'17	4°15	16°27	53°1°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	S 28
M29	14 25 40	8°11'08	6°2'16	41°16	30°28	30°1°	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	M29
T 30	14 29 37	9°8'9	20°26'16	13°17	43°29	11°8	29°55'15	15°59'20	20°57'18	18°18'34	17°35'24	24°18'1	25°21'4	23°2'18	18°29'18	T 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	4n15	26n 0	2n39	9n21	0n30	8s 4	1s12	23n22	1n18	20s37	0s 8	3n34	2s13	23n12	0n 7	5s53	1n39	2n21	15s13	18n54	19n16	26s28	0s38	4n36	
T 2	4 38	26 44	3 40	10 15	0 42	7 38	1 14	23 27	1 18	20 35	0 8	3 37	2 13	23 12	0 7	5 53	1 39	2 21	15 13	18 54	19 15	26 28	0 36	4 36	
W 3	5 1	25 43	4 26	11 6	0 54	7 11	1 15	23 32	1 18	20 34	0 8	3 40	2 13	23 12	0 7	5 52	1 39	2 22	15 13	18 54	19 14	26 29	0 35	4 36	
T 4	5 24	23 5	4 57	11 57	1 5	6 44	1 17	23 37	1 18	20 32	0 8	3 43	2 13	23 12	0 7	5 51	1 39	2 22	15 13	18 53	19 14	26 29	0 34	4 36	
F 5	5 47	19 7	5 10	12 45	1 17	6 17	1 18	23 42	1 18	20 31	0 8	3 45	2 13	23 13	0 7	5 51	1 39	2 23	15 13	18 52	19 13	26 30	0 32	4 36	
S 6	6 10	14 8	5 4	13 32	1 28	5 50	1 20	23 47	1 18	20 30	0 9	3 48	2 13	23 13	0 7	5 50	1 39	2 23	15 12	18 51	19 12	26 30	0 31	4 36	
S 7	6 32	8 31	4 41	14 16	1 40	5 22	1 21	23 51	1 18	20 28	0 9	3 51	2 13	23 13	0 7	5 49	1 39	2 24	15 12	18 50	19 11	26 31	0 29	4 36	
M 8	6 55	2 36	4 3	14 58	1 50	4 55	1 23	23 56	1 19	20 27	0 9	3 54	2 13	23 13	0 7	5 49	1 39	2 24	15 12	18 48	19 11	26 32	0 28	4 36	
T 9	7 17	3s21	3 12	15 38	2 0	4 27	1 24	24 0	1 19	20 25	0 9	3 57	2 13	23 13	0 7	5 48	1 39	2 25	15 12	18 47	19 10	26 32	0 27	4 36	
W10	7 40	9 3	2 12	16 15	2 10	3 59	1 25	24 4	1 19	20 24	0 9	4 0	2 13	23 13	0 7	5 48	1 39	2 25	15 12	18 46	19 9	26 33	0 25	4 36	
T 11	8 2	14 16	1 7	16 49	2 19	3 31	1 26	24 8	1 19	20 23	0 9	4 3	2 13	23 13	0 7	5 47	1 39	2 26	15 12	18 45	19 8	26 33	0 24	4 36	
F 12	8 24	18 47	0s 1	17 21	2 27	3 3	1 28	24 11	1 19	20 21	0 9	4 6	2 13	23 14	0 7	5 46	1 39	2 26	15 11	18 45	19 8	26 34	0 22	4 36	
S 13	8 46	22 26	1 7	17 49	2 35	2 35	1 29	24 15	1 19	20 20	0 10	4 8	2 13	23 14	0 7	5 46	1 39	2 27	15 11	18 45	19 7	26 34	0 21	4 37	
S 14	9 8	25 3	2 9	18 15	2 41	2 6	1 29	24 18	1 19	20 19	0 10	4 11	2 13	23 14	0 7	5 45	1 39	2 27	15 11	18 45	19 6	26 35	0 20	4 37	
M15	9 30	26 31	3 5	18 38	2 47	1 38	1 30	24 21	1 19	20 18	0 10	4 14	2 13	23 14	0 7	5 44	1 39	2 28	15 11	18 46	19 5	26 35	0 18	4 37	
T 16	9 51	26 46	3 53	18 58	2 51	1 10	1 31	24 24	1 19	20 17	0 10	4 17	2 13	23 14	0 7	5 44	1 39	2 28	15 11	18 46	19 5	26 36	0 17	4 37	
W17	10 12	25 47	4 32	19 15	2 55	0 41	1 32	24 26	1 19	20 15	0 10	4 20	2 13	23 14	0 7	5 43	1 39	2 29	15 11	18 47	19 4	26 36	0 16	4 37	
T 18	10 34	23 37	4 58	19 28	2 57	0 13	1 33	24 29	1 19	20 14	0 10	4 23	2 13	23 15	0 7	5 43	1 39	2 29	15 11	18 46	19 3	26 36	0 14	4 37	
F 19	10 55	20 22	5 12	19 39	2 59	0n16	1 33	24 31	1 19	20 13	0 10	4 25	2 13	23 15	0 7	5 42	1 39	2 29	15 10	18 46	19 2	26 37	0 13	4 37	
S 20	11 15	16 10	5 12	19 47	2 59	0 45	1 34	24 34	1 20	20 12	0 11	4 28	2 13	23 15	0 7	5 41	1 39	2 30	15 10	18 45	19 2	26 37	0 12	4 37	
S 21	11 36	11 8	4 57	19 51	2 57	1 13	1 34	24 36	1 20	20 11	0 11	4 31	2 13	23 15	0 7	5 41	1 39	2 30	15 10	18 45	19 1	26 38	0 10	4 37	
M22	11 56	5 29	4 25	19 53	2 55	1 42	1 34	24 37	1 20	20 10	0 11	4 34	2 13	23 15	0 7	5 40	1 39	2 31	15 10	18 44	19 0	26 38	0 9	4 37	
T 23	12 17	0n35	3 38	19 52	2 51	2 11	1 35	24 39	1 20	20 9	0 11	4 37	2 13	23 15	0 7	5 40	1 39	2 31	15 10	18 43	18 59	26 39	0 8	4 38	
W24	12 37	6 48	2 38	19 47	2 46	2 39	1 35	24 40	1 20	20 8	0 11	4 39	2 13	23 16	0 7	5 39	1 39	2 32	15 10	18 42	18 58	26 39	0 7	4 38	
T 25	12 57	12 49	1 26	19 40	2 39	3 8	1 35	24 42	1 20	20 7	0 11	4 42	2 13	23 16	0 7	5 38	1 39	2 32	15 10	18 42	18 58	26 40	0 5	4 38	
F 26	13 16	18 15	0 7	19 30	2 31	3 36	1 35	24 43	1 20	20 7	0 11	4 45	2 14	23 16	0 7	5 38	1 39	2 33	15 10	18 42	18 57	26 40	0 4	4 38	
S 27	13 36	22 39	1n12	19 17	2 22	4 5	1 35	24 44	1 20	20 6	0 12	4 47	2 14	23 16	0 7	5 37	1 39	2 33	15 10	18 42	18 56	26 40	0 3	4 38	
S 28	13 55	25 37	2 28	19 1	2 11	4 33	1 35	24 44	1 20	20 5	0 12	4 50	2 14	23 16	0 7	5 37	1 39	2 33	15 9	18 42	18 55	26 41	0 2	4 38	
M29	14 14	26 50	3 33	18 43	1 59	5 1	1 35	24 45	1 20	20 4	0 12	4 53	2 14	23 16	0 7	5 36	1 39	2 34	15 9	18 42	18 55	26 41	0 0	4 38	
T 30	14n32	26n14	4n24	18n22	1n46	5n29	1s35	24n45	1n20	20s 4	0s12	4n56	2s14	23n17	0n 7	5s35	1n39	2n34	15s 9	18n43	18n54	26s41	0n 1	4n38	

# ASTRODIENST EPHEMERIS for the year 2115

## geocentric

MAY 2115

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 33 33	10♈ 7°52	4♊39	15♈42	18♈57	29♈45	1♈20	17♈56	21♈39	18♈ 9	17♈56	23♈48	24♈30	5♈49	19♈17	W 1
T 2	14 37 30	11° 6'10	18°39	15♈ 8	20°10	0♈23	1°24	18° 4	21°41	18♈ 7	17°57	23♈48	24°27	5°56	19°19	T 2
F 3	14 41 26	12° 4'27	2♈26	14°32	21°24	1° 0	1°27	18°11	21°44	18° 6	17°58	23°48	24°24	6° 2	19°22	F 3
S 4	14 45 23	13° 2'41	15°58	13°54	22°37	1°38	1°30	18°18	21°47	18° 5	18° 0	23°47	24°20	6° 9	19°25	S 4
S 5	14 49 19	14° 0'53	29°16	13°16	23°50	2°15	1°33	18°25	21°50	18° 3	18° 1	23°45	24°17	6°16	19°27	S 5
M 6	14 53 16	14°59'04	12♈19	12°37	25° 4	2°53	1°36	18°32	21°53	18° 2	18° 2	23°44	24°14	6°22	19°30	M 6
T 7	14 57 12	15°57'12	25° 9	11°59	26°17	3°30	1°39	18°39	21°56	18° 0	18° 4	23°43	24°11	6°29	19°32	T 7
W 8	15 1 9	16°55'19	7♈45	11°23	27°31	4° 8	1°41	18°46	21°59	17°59	18° 5	23°43	24° 8	6°36	19°35	W 8
T 9	15 5 6	17°53'24	20° 9	10°48	28°44	4°45	1°43	18°53	22° 2	17°57	18° 7	23°D42	24° 4	6°42	19°37	T 9
F 10	15 9 2	18°51'28	2♈22	10°15	29°57	5°23	1°45	19° 0	22° 5	17°56	18° 8	23°42	24° 1	6°49	19°39	F 10
S 11	15 12 59	19°49'30	14°26	9°46	1♈11	6° 0	1°47	19° 7	22° 9	17°55	18° 9	23°43	23°58	6°56	19°42	S 11
S 12	15 16 55	20°47'30	26°22	9°19	2°24	6°37	1°49	19°14	22°12	17°53	18°11	23°43	23°55	7° 2	19°44	S 12
M13	15 20 52	21°45'29	8♈14	8°57	3°38	7°15	1°51	19°20	22°15	17°52	18°12	23°43	23°52	7° 9	19°46	M13
T 14	15 24 48	22°43'27	20° 4	8°38	4°51	7°52	1°52	19°27	22°18	17°51	18°13	23°43	23°49	7°16	19°48	T 14
W15	15 28 45	23°41'23	1♈57	8°24	6° 4	8°30	1°53	19°34	22°21	17°50	18°15	23°R43	23°45	7°22	19°50	W15
T 16	15 32 41	24°39'18	13°56	8°14	7°18	9° 7	1°54	19°41	22°25	17°48	18°16	23°43	23°42	7°29	19°53	T 16
F 17	15 36 38	25°37'12	26° 7	8° 9	8°31	9°45	1°55	19°47	22°28	17°47	18°17	23°D43	23°39	7°36	19°55	F 17
S 18	15 40 35	26°35'04	8♈32	8°D 8	9°45	10°22	1°55	19°54	22°31	17°46	18°19	23°43	23°36	7°43	19°57	S 18
S 19	15 44 31	27°32'55	21°18	8°12	10°58	11° 0	1°56	20° 0	22°34	17°45	18°20	23°44	23°33	7°49	19°58	S 19
M20	15 48 28	28°30'45	4♈26	8°20	12°12	11°37	1°R56	20° 7	22°38	17°43	18°21	23°44	23°30	7°56	20° 0	M20
T 21	15 52 24	29°28'34	17°59	8°33	13°25	12°14	1°56	20°13	22°41	17°42	18°23	23°45	23°26	8° 3	20° 2	T 21
W22	15 56 21	0♈26'22	1♈58	8°50	14°38	12°52	1°56	20°20	22°44	17°41	18°24	23°45	23°23	8° 9	20° 4	W22
T 23	16 0 17	1°24'08	16°20	9°12	15°52	13°29	1°55	20°26	22°48	17°40	18°25	23°45	23°20	8°16	20° 6	T 23
F 24	16 4 14	2°21'53	1♈ 1	9°38	17° 5	14° 7	1°55	20°32	22°51	17°39	18°27	23°R45	23°17	8°23	20° 7	F 24
S 25	16 8 10	3°19'37	15°55	10° 9	18°19	14°44	1°54	20°39	22°55	17°38	18°28	23°45	23°14	8°29	20° 9	S 25
S 26	16 12 7	4°17'20	0♈54	10°43	19°32	15°22	1°53	20°45	22°58	17°37	18°29	23°44	23°10	8°36	20°11	S 26
M27	16 16 4	5°15'01	15°49	11°21	20°46	15°59	1°52	20°51	23° 1	17°36	18°31	23°43	23° 7	8°43	20°12	M27
T 28	16 20 0	6°12'41	0♈33	12° 3	21°59	16°37	1°50	20°57	23° 5	17°35	18°32	23°41	23° 4	8°49	20°14	T 28
W29	16 23 57	7°10'19	15° 0	12°49	23°13	17°14	1°49	21° 3	23° 8	17°34	18°33	23°40	23° 1	8°56	20°15	W29
T 30	16 27 53	8° 7'56	29° 7	13°39	24°26	17°52	1°47	21° 9	23°12	17°33	18°35	23°39	22°58	9° 3	20°16	T 30
F 31	16 31 50	9♈ 5'31	12♈52	14♈32	25♈39	18♈29	1♈45	21°15	23°15	17°32	18♈36	23°D39	22♈55	9♈ 9	20♈18	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	14n51	23n55	4n59	18n 0	1n32	5n58	1s34	24n45	1n20	20s 3	0s12	4n58	2s14	23n17	0n 7	5s35	1n39	2n35	15s 9	18n43	18n53	26s42	0n 2	4n39	
T 2	15 9	20 13	5 15	17 36	1 17	6 26	1 34	24 45	1 20	20 2	0 12	5 1	2 14	23 17	0 7	5 34	1 39	2 35	15 9	18 43	18 52	26 42	0 3	4 39	
F 3	15 27	15 28	5 13	17 10	1 1	6 53	1 34	24 45	1 20	20 2	0 13	5 3	2 14	23 17	0 7	5 34	1 39	2 35	15 9	18 43	18 51	26 43	0 4	4 39	
S 4	15 45	10 2	4 53	16 43	0 45	7 21	1 33	24 45	1 20	20 1	0 13	5 6	2 14	23 17	0 7	5 33	1 39	2 36	15 9	18 42	18 51	26 43	0 5	4 39	
S 5	16 2	4 14	4 18	16 15	0 28	7 49	1 33	24 44	1 20	20 1	0 13	5 9	2 14	23 18	0 7	5 33	1 39	2 36	15 9	18 42	18 50	26 43	0 7	4 39	
M 6	16 19	1s39	3 30	15 47	0 10	8 16	1 32	24 44	1 20	20 0	0 13	5 11	2 14	23 18	0 7	5 32	1 39	2 37	15 9	18 42	18 49	26 44	0 8	4 39	
T 7	16 36	7 22	2 32	15 19	0s 7	8 43	1 31	24 43	1 20	20 0	0 13	5 14	2 15	23 18	0 7	5 32	1 39	2 37	15 9	18 42	18 48	26 44	0 9	4 40	
W 8	16 53	12 43	1 27	14 51	0 24	9 10	1 31	24 41	1 20	19 59	0 13	5 16	2 15	23 18	0 7	5 31	1 39	2 37	15 9	18 41	18 48	26 44	0 10	4 40	
T 9	17 9	17 27	0 20	14 24	0 41	9 37	1 30	24 40	1 20	19 59	0 13	5 19	2 15	23 18	0 7	5 31	1 39	2 38	15 9	18 41	18 47	26 44	0 11	4 40	
F 10	17 25	21 24	0s48	13 58	0 58	10 4	1 29	24 39	1 20	19 59	0 14	5 21	2 15	23 18	0 7	5 30	1 39	2 38	15 9	18 41	18 46	26 45	0 12	4 40	
S 11	17 41	24 23	1 53	13 33	1 15	10 30	1 28	24 37	1 20	19 58	0 14	5 24	2 15	23 19	0 7	5 30	1 39	2 39	15 9	18 41	18 45	26 45	0 13	4 40	
S 12	17 57	26 14	2 52	13 10	1 30	10 56	1 27	24 35	1 20	19 58	0 14	5 26	2 15	23 19	0 7	5 29	1 39	2 39	15 9	18 41	18 44	26 45	0 14	4 40	
M13	18 12	26 53	3 43	12 48	1 45	11 22	1 26	24 33	1 20	19 58	0 14	5 29	2 15	23 19	0 7	5 29	1 39	2 39	15 9	18 42	18 44	26 46	0 15	4 41	
T 14	18 27	26 17	4 24	12 29	2 0	11 48	1 25	24 31	1 20	19 58	0 14	5 31	2 15	23 19	0 7	5 28	1 39	2 40	15 9	18 42	18 43	26 46	0 16	4 41	
W15	18 41	24 30	4 55	12 12	2 13	12 13	1 24	24 29	1 20	19 58	0 14	5 34	2 16	23 19	0 7	5 28	1 39	2 40	15 9	18 42	18 42	26 46	0 17	4 41	
T 16	18 55	21 37	5 13	11 57	2 25	12 38	1 23	24 26	1 20	19 58	0 15	5 36	2 16	23 20	0 7	5 27	1 39	2 40	15 9	18 42	18 41	26 46	0 18	4 41	
F 17	19 9	17 46	5 17	11 44	2 37	13 3	1 21	24 23	1 20	19 58	0 15	5 38	2 16	23 20	0 7	5 27	1 39	2 41	15 9	18 42	18 41	26 47	0 19	4 41	
S 18	19 23	13 6	5 7	11 34	2 47	13 28	1 20	24 20	1 19	19 58	0 15	5 41	2 16	23 20	0 7	5 27	1 39	2 41	15 9	18 42	18 40	26 47	0 20	4 41	
S 19	19 36	7 46	4 41	11 27	2 57	13 52	1 18	24 17	1 19	19 58	0 15	5 43	2 16	23 20	0 7	5 26	1 39	2 41	15 9	18 42	18 39	26 47	0 21	4 42	
M20	19 49	1 55	4 1	11 21	3 5	14 16	1 17	24 14	1 19	19 58	0 15	5 45	2 16	23 20	0 7	5 26	1 39	2 42	15 9	18 42	18 38	26 47	0 22	4 42	
T 21	20 2	4n11	3 6	11 18	3 12	14 39	1 16	24 11	1 19	19 58	0 16	5 48	2 16	23 21	0 7	5 25	1 39	2 42	15 9	18 42	18 37	26 48	0 23	4 42	
W22	20 14	10 18	1 58	11 18	3 19	15 3	1 14	24 7	1 19	19 58	0 16	5 50	2 16	23 21	0 7	5 25	1 39	2 42	15 9	18 42	18 37	26 48	0 24	4 42	
T 23	20 26	16 3	0 41	11 20	3 24	15 25	1 12	24 3	1 19	19 59	0 16	5 52	2 17	23 21	0 7	5 24	1 39	2 43	15 9	18 42	18 36	26 48	0 24	4 42	
F 24	20 37	21 0	0n40	11 24	3 29	15 48	1 11	23 59	1 19	19 59	0 16	5 54	2 17	23 21	0 7	5 24	1 39	2 43	15 9	18 42	18 35	26 48	0 25	4 43	
S 25	20 49	24 40	2 0	11 30	3 32	16 10	1 9	23 55	1 19	19 59	0 16	5 56	2 17	23 21	0 7	5 24	1 39	2 43	15 9	18 42	18 34	26 48	0 26	4 43	
S 26	20 59	26 37	3 12	11 38	3 35	16 32	1 7	23 51	1 19	20 0	0 16	5 59	2 17	23 22	0 7	5 23	1 39	2 43	15 9	18 42	18 33	26 49	0 27	4 43	
M27	21 10	26 38	4 10	11 48	3 36	16 53	1 6	23 46	1 19	20 0	0 17	6 1	2 17	23 22	0 7	5 23	1 39	2 44	15 9	18 41	18 33	26 49	0 28	4 43	
T 28	21 20	24 45	4 51	12 0	3 37	17 14	1 4	23 42	1 19	20 1	0 17	6 3	2 17	23 22	0 7	5 23	1 39	2 44	15 9	18 41	18 32	26 49	0 29	4 43	
W29	21 30	21 18	5 13	12 14	3 37	17 34	1 2	23 37	1 19	20 1	0 17	6 5	2 18	23 22	0 7	5 22	1 39	2 44	15 9	18 41	18 31	26 49	0 29	4 44	
T 30	21 39	16 41	5 15	12 29	3 36	17 54	1 0	23 32	1 19	20 2	0 17	6 7	2 18	23 22	0 7	5 22	1 39	2 44	15 9	18 41	18 30	26 49	0 30	4 44	
F 31	21n48	11n19	4n59	12n46	3s35	18n13	0s58	23n27	1n19	20s 2	0s17	6n 9	2s18	23n22	0n 7	5s22	1n39	2n45	15s10	18n41	18n29	26s49	0n31	4n44	



ASTRODIENST EPHEMERIS for the year 2115  
geocentric

JUNE 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 35 46	10Ⅱ 3'05	26Ⅲ16	15Ⅱ28	26Ⅱ53	19Ⅱ6	1°R43	21Ⅱ21	23Ⅱ19	17°R31	18Ⅱ37	23Ⅱ40	22Ⅱ51	9Ⅱ16	20Ⅱ19	S 1
S 2	16 39 43	11° 0'37	9Ⅱ19	16°28	28° 6	19°44	1Ⅱ41	21°27	23°22	17Ⅱ31	18°38	23°41	22°48	9°23	20°20	S 2
M 3	16 43 39	11°58'08	22° 5	17°31	29°20	20°21	1°38	21°32	23°26	17°30	18°40	23°42	22°45	9°29	20°21	M 3
T 4	16 47 36	12°55'37	4Ⅲ37	18°37	0Ⅲ33	20°59	1°36	21°38	23°29	17°29	18°41	23°44	22°42	9°36	20°23	T 4
W 5	16 51 33	13°53'06	16°56	19°46	1°47	21°36	1°33	21°44	23°33	17°28	18°42	23°45	22°39	9°43	20°24	W 5
T 6	16 55 29	14°50'33	29° 5	20°58	3° 0	22°14	1°30	21°49	23°36	17°27	18°43	23°R45	22°36	9°50	20°25	T 6
F 7	16 59 26	15°47'59	11Ⅱ7	22°14	4°14	22°51	1°27	21°55	23°40	17°27	18°45	23°44	22°32	9°56	20°26	F 7
S 8	17 3 22	16°45'25	23° 3	23°32	5°27	23°29	1°23	22° 0	23°43	17°26	18°46	23°41	22°29	10° 3	20°27	S 8
S 9	17 7 19	17°42'49	4Ⅱ56	24°53	6°41	24° 6	1°20	22° 5	23°47	17°25	18°47	23°38	22°26	10°10	20°27	S 9
M10	17 11 15	18°40'13	16°46	26°17	7°54	24°43	1°16	22°11	23°50	17°25	18°48	23°34	22°23	10°16	20°28	M10
T 11	17 15 12	19°37'36	28°38	27°44	9° 8	25°21	1°12	22°16	23°54	17°24	18°50	23°30	22°20	10°23	20°29	T 11
W12	17 19 9	20°34'59	10Ⅱ32	29°13	10°21	25°58	1° 8	22°21	23°58	17°24	18°51	23°26	22°16	10°30	20°30	W12
T 13	17 23 5	21°32'20	22°32	0Ⅲ46	11°35	26°36	1° 4	22°26	24° 1	17°23	18°52	23°22	22°13	10°36	20°30	T 13
F 14	17 27 2	22°29'41	4Ⅱ43	2°21	12°48	27°13	1° 0	22°31	24° 5	17°23	18°53	23°20	22°10	10°43	20°31	F 14
S 15	17 30 58	23°27'02	17° 6	3°59	14° 2	27°51	0°55	22°36	24° 8	17°22	18°54	23°18	22° 7	10°50	20°31	S 15
S 16	17 34 55	24°24'22	29°48	5°40	15°15	28°28	0°51	22°41	24°12	17°22	18°55	23°D18	22° 4	10°56	20°32	S 16
M17	17 38 51	25°21'42	12Ⅱ50	7°23	16°29	29° 6	0°46	22°46	24°15	17°21	18°57	23°19	22° 1	11° 3	20°32	M17
T 18	17 42 48	26°19'01	26°18	9° 9	17°42	29°43	0°41	22°50	24°19	17°21	18°58	23°21	21°57	11°10	20°33	T 18
W19	17 46 44	27°16'20	10Ⅱ12	10°58	18°56	0Ⅱ21	0°36	22°55	24°22	17°21	18°59	23°22	21°54	11°17	20°33	W19
T 20	17 50 41	28°13'39	24°33	12°49	20° 9	0°58	0°30	23° 0	24°26	17°20	19° 0	23°R22	21°51	11°23	20°33	T 20
F 21	17 54 38	29°10'57	9Ⅱ18	14°43	21°23	1°36	0°25	23° 4	24°30	17°20	19° 1	23°22	21°48	11°30	20°33	F 21
S 22	17 58 34	0Ⅱ8'15	24°21	16°40	22°36	2°13	0°19	23° 9	24°33	17°20	19° 2	23°19	21°45	11°37	20°34	S 22
S 23	18 2 31	1° 5'33	9Ⅱ33	18°39	23°50	2°51	0°14	23°13	24°37	17°20	19° 3	23°15	21°42	11°43	20°34	S 23
M24	18 6 27	2° 2'50	24°46	20°39	25° 4	3°28	0° 8	23°17	24°40	17°19	19° 4	23°10	21°38	11°50	20°R34	M24
T 25	18 10 24	3° 0'06	9Ⅱ48	22°42	26°17	4° 6	0° 2	23°21	24°44	17°19	19° 5	23° 4	21°35	11°57	20°34	T 25
W26	18 14 20	3°57'22	24°31	24°47	27°31	4°43	29Ⅱ56	23°25	24°47	17°19	19° 6	22°59	21°32	12° 3	20°34	W26
T 27	18 18 17	4°54'37	8Ⅱ49	26°54	28°44	5°21	29°49	23°29	24°51	17°19	19° 7	22°55	21°29	12°10	20°33	T 27
F 28	18 22 13	5°51'52	22°40	29° 2	29°58	5°58	29°43	23°33	24°54	17°19	19° 8	22°52	21°26	12°17	20°33	F 28
S 29	18 26 10	6°49'06	6Ⅱ4	1Ⅱ11	1Ⅱ12	6°36	29°37	23°37	24°58	17°D19	19° 9	22°D51	21°22	12°23	20°33	S 29
S 30	18 30 7	7Ⅱ46'19	19Ⅱ3	3Ⅱ21	2Ⅱ25	7Ⅱ13	29Ⅱ30	23Ⅱ41	25Ⅱ1	17Ⅱ19	19Ⅱ10	22Ⅱ52	21Ⅱ19	12Ⅱ30	20Ⅱ33	S 30

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	
S 1	21n57	5n34 4n27	13n 5 3s32	18n32	0s56 23n22	1n18 20s 3 0s17	6n11 2s18 23n23	0n 7 5s21 1n38	2n45 15s10 18n41	18n29 26s49	0n31 4n44					
S 2	22 5 0s18	3 41 13 24	3 29 18 51	0 54 23 16	1 18 20 4 0 18	6 13 2 18 23 23	0 7 5 21 1 38	2 45 15 10 18 41	18 28 26 50	0 32 4 44						
M 3	22 13 6 2	2 46 13 46	3 25 19 9	0 52 23 10	1 18 20 4 0 18	6 15 2 19 23 23	0 7 5 21 1 38	2 45 15 10 18 41	18 27 26 50	0 33 4 45						
T 4	22 20 11 25	1 44 14 8	3 21 19 27	0 50 23 5	1 18 20 5 0 18	6 17 2 19 23 23	0 7 5 21 1 38	2 46 15 10 18 42	18 26 26 50	0 33 4 45						
W 5	22 27 16 17	0 37 14 31	3 16 19 44	0 48 22 59	1 18 20 6 0 18	6 19 2 19 23 23	0 7 5 20 1 38	2 46 15 10 18 42	18 25 26 50	0 34 4 45						
T 6	22 34 20 25	0s29 14 56	3 10 20 0	0 46 22 52	1 18 20 7 0 18	6 21 2 19 23 24	0 7 5 20 1 38	2 46 15 10 18 42	18 25 26 50	0 35 4 45						
F 7	22 40 23 39	1 34 15 21	3 4 20 16	0 43 22 46	1 18 20 8 0 18	6 23 2 19 23 24	0 7 5 20 1 38	2 46 15 10 18 42	18 24 26 50	0 35 4 45						
S 8	22 46 25 49	2 34 15 47	2 57 20 31	0 41 22 40	1 18 20 9 0 19	6 24 2 19 23 24	0 7 5 20 1 38	2 46 15 10 18 41	18 23 26 50	0 36 4 46						
S 9	22 51 26 47	3 27 16 14	2 50 20 46	0 39 22 33	1 18 20 9 0 19	6 26 2 20 23 24	0 7 5 20 1 38	2 47 15 10 18 40	18 22 26 50	0 36 4 46						
M10	22 57 26 32	4 11 16 41	2 42 21 1	0 37 22 26	1 17 20 10 0 19	6 28 2 20 23 24	0 7 5 19 1 38	2 47 15 11 18 39	18 21 26 50	0 37 4 46						
T 11	23 1 25 4	4 44 17 9	2 33 21 14	0 35 22 19	1 17 20 11 0 19	6 30 2 20 23 24	0 7 5 19 1 38	2 47 15 11 18 38	18 20 26 50	0 37 4 46						
W12	23 5 22 29	5 5 17 37	2 24 21 27	0 32 22 12	1 17 20 13 0 19	6 31 2 20 23 25	0 7 5 19 1 38	2 47 15 11 18 37	18 20 26 50	0 38 4 46						
T 13	23 9 18 55	5 13 18 6	2 15 21 40	0 30 22 5	1 17 20 14 0 20	6 33 2 20 23 25	0 7 5 19 1 38	2 47 15 11 18 36	18 19 26 50	0 38 4 47						
F 14	23 13 14 32	5 7 18 34	2 5 21 52	0 28 21 58	1 17 20 15 0 20	6 35 2 21 23 25	0 7 5 19 1 38	2 48 15 11 18 36	18 18 26 50	0 38 4 47						
S 15	23 16 9 29	4 47 19 3	1 55 22 3	0 25 21 50	1 17 20 16 0 20	6 36 2 21 23 25	0 7 5 19 1 38	2 48 15 11 18 35	18 17 26 51	0 39 4 47						
S 16	23 18 3 56	4 12 19 31	1 45 22 14	0 23 21 42	1 17 20 17 0 20	6 38 2 21 23 25	0 7 5 18 1 38	2 48 15 11 18 35	18 16 26 51	0 39 4 47						
M17	23 21 1n57	3 23 19 59	1 34 22 24	0 21 21 35	1 16 20 18 0 20	6 40 2 21 23 25	0 7 5 18 1 38	2 48 15 12 18 36	18 16 26 51	0 40 4 48						
T 18	23 22 7 56	2 23 20 26	1 23 22 33	0 18 21 27	1 16 20 20 0 20	6 41 2 22 23 26	0 7 5 18 1 38	2 48 15 12 18 36	18 15 26 51	0 40 4 48						
W19	23 24 13 44	1 11 20 53	1 12 22 42	0 16 21 18	1 16 20 21 0 21	6 43 2 22 23 26	0 7 5 18 1 38	2 48 15 12 18 36	18 14 26 51	0 40 4 48						
T 20	23 25 19 0	0n 6 21 19	1 1 22 50	0 13 21 10	1 16 20 22 0 21	6 44 2 22 23 26	0 7 5 18 1 38	2 48 15 12 18 36	18 13 26 51	0 41 4 48						
F 21	23 25 23 15	1 26 21 44	0 49 22 58	0 11 21 2	1 16 20 24 0 21	6 46 2 22 23 26	0 7 5 18 1 38	2 48 15 12 18 36	18 12 26 51	0 41 4 48						
S 22	23 26 25 59	2 41 22 8	0 38 23 5	0 9 20 53	1 16 20 25 0 21	6 47 2 22 23 26	0 7 5 18 1 38	2 49 15 12 18 35	18 11 26 50	0 41 4 49						
S 23	23 25 26 49	3 45 22 30	0 27 23 11	0 6 20 44	1 16 20 26 0 21	6 48 2 23 23 26	0 7 5 18 1 37	2 49 15 13 18 34	18 11 26 50	0 41 4 49						
M24	23 25 25 38	4 33 22 51	0 15 23 16	0 4 20 35	1 15 20 28 0 22	6 50 2 23 23 27	0 7 5 18 1 37	2 49 15 13 18 33	18 10 26 50	0 42 4 49						
T 25	23 24 22 37	5 2 23 10	0 4 23 21	0 1 20 26	1 15 20 29 0 22	6 51 2 23 23 27	0 7 5 18 1 37	2 49 15 13 18 32	18 9 26 50	0 42 4 49						
W26	23 22 18 12	5 10 23 26	0n 7 23 25	0n 1 20 17	1 15 20 31 0 22	6 52 2 23 23 27	0 7 5 18 1 37	2 49 15 13 18 30	18 8 26 50	0 42 4 49						
T 27	23 20 12 52	4 58 23 41	0 18 23 29	0 3 20 8	1 15 20 32 0 22	6 54 2 24 23 27	0 7 5 18 1 37	2 49 15 13 18 29	18 7 26 50	0 42 4 50						
F 28	23 18 7 2	4 29 23 54	0 28 23 31	0 6 19 59	1 15 20 34 0 22	6 55 2 24 23 27	0 7 5 18 1 37	2 49 15 14 18 29	18 7 26 50	0 42 4 50						
S 29	23 15 1 3	3 46 24 3	0 38 23 33	0 8 19 49	1 15 20 35 0 22	6 56 2 24 23 27	0 8 5 18 1 37	2 49 15 14 18 28	18 6 26 50	0 42 4 50						
S 30	23n12	4s47 2n53	24n11	0n48 23n35	0n11 19n39	1n14 20s37	0s23 6n57	2s24 23n27	0n 8 5s18	1n37 2n49	15s14 18n29	18n 5 26s50	0n42 4n50			

Julian Day Number = 2493698.5, Delta T = 100.80 sec  
Ecliptic obliquity = 23°25'33, Nutation = - 0°00'14, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 26°21'10, Lahiri = 25°28'11

# ASTRODIENST EPHEMERIS for the year 2115

## geocentric

JULY 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 34 3	8°43'32	1°41	5°31	3°39	7°51	29°R23	23°Y45	25°II 5	17°Δ19	19°811	22°853	21°816	12°337	20°R32	M 1
T 2	18 38 0	9°40'44	14° 2	7°42	4°53	8°28	29°R16	23°48	25° 8	17°19	19°12	22°54	21°13	12°44	20°K32	T 2
W 3	18 41 56	10°37'56	26°11	9°53	6° 6	9° 6	29°10	23°52	25°12	17°19	19°13	22°R54	21°10	12°50	20°31	W 3
T 4	18 45 53	11°35'08	8°110	12° 4	7°20	9°43	29° 3	23°55	25°15	17°19	19°14	22°53	21° 7	12°57	20°31	T 4
F 5	18 49 49	12°32'19	20° 4	14°14	8°34	10°21	28°56	23°58	25°19	17°20	19°15	22°50	21° 3	13° 4	20°30	F 5
S 6	18 53 46	13°29'31	1°356	16°24	9°47	10°58	28°48	24° 2	25°22	17°20	19°16	22°44	21° 0	13°10	20°30	S 6
S 7	18 57 42	14°26'42	13°46	18°33	11° 1	11°36	28°41	24° 5	25°26	17°20	19°16	22°36	20°57	13°17	20°29	S 7
M 8	19 1 39	15°23'53	25°38	20°40	12°15	12°14	28°34	24° 8	25°29	17°20	19°17	22°27	20°54	13°24	20°28	M 8
T 9	19 5 36	16°21'04	7°32	22°46	13°28	12°51	28°27	24°11	25°32	17°21	19°18	22°17	20°51	13°30	20°27	T 9
W10	19 9 32	17°18'16	19°31	24°51	14°42	13°29	28°19	24°13	25°36	17°21	19°19	22° 7	20°48	13°37	20°27	W10
T 11	19 13 29	18°15'27	1°K37	26°54	15°56	14° 6	28°12	24°16	25°39	17°21	19°20	21°58	20°44	13°44	20°26	T 11
F 12	19 17 25	19°12'39	13°51	28°56	17°10	14°44	28° 4	24°19	25°43	17°22	19°21	21°51	20°41	13°50	20°25	F 12
S 13	19 21 22	20° 9'51	26°17	0°Δ56	18°23	15°21	27°57	24°21	25°46	17°22	19°21	21°46	20°38	13°57	20°24	S 13
S 14	19 25 18	21° 7'04	8°Y58	2°54	19°37	15°59	27°49	24°24	25°49	17°23	19°22	21°44	20°35	14° 4	20°23	S 14
M15	19 29 15	22° 4'17	21°57	4°50	20°51	16°37	27°41	24°26	25°52	17°23	19°23	21°D43	20°32	14°11	20°22	M15
T 16	19 33 11	23° 1'30	5°818	6°44	22° 5	17°14	27°34	24°29	25°56	17°24	19°23	21°43	20°28	14°17	20°20	T 16
W17	19 37 8	23°58'44	19° 3	8°37	23°18	17°52	27°26	24°31	25°59	17°24	19°24	21°R44	20°25	14°24	20°19	W17
T 18	19 41 5	24°55'59	3°II4	10°28	24°32	18°29	27°18	24°33	26° 2	17°25	19°25	21°43	20°22	14°31	20°18	T 18
F 19	19 45 1	25°53'15	17°50	12°17	25°46	19° 7	27°11	24°35	26° 5	17°25	19°25	21°41	20°19	14°37	20°17	F 19
S 20	19 48 58	26°50'31	2°Δ47	14° 4	27° 0	19°45	27° 3	24°37	26° 9	17°26	19°26	21°36	20°16	14°44	20°15	S 20
S 21	19 52 54	27°47'48	17°59	15°49	28°14	20°22	26°55	24°39	26°12	17°27	19°27	21°29	20°13	14°51	20°14	S 21
M22	19 56 51	28°45'05	3°Δ14	17°32	29°28	21° 0	26°47	24°40	26°15	17°27	19°27	21°20	20° 9	14°57	20°12	M22
T 23	20 0 47	29°42'22	18°23	19°14	0°Δ42	21°38	26°40	24°42	26°18	17°28	19°28	21°10	20° 6	15° 4	20°11	T 23
W24	20 4 44	0°Δ39'40	3°II4	20°53	1°56	22°16	26°32	24°43	26°21	17°29	19°28	21° 1	20° 3	15°11	20° 9	W24
T 25	20 8 41	1°36'58	17°42	22°31	3° 9	22°53	26°24	24°45	26°24	17°30	19°29	20°53	20° 0	15°18	20° 8	T 25
F 26	20 12 37	2°34'16	1°Δ40	24° 7	4°23	23°31	26°17	24°46	26°27	17°31	19°29	20°47	19°57	15°24	20° 6	F 26
S 27	20 16 34	3°31'35	15° 9	25°41	5°37	24° 9	26° 9	24°47	26°30	17°32	19°30	20°44	19°54	15°31	20° 4	S 27
S 28	20 20 30	4°28'54	28°10	27°13	6°51	24°46	26° 1	24°48	26°33	17°32	19°30	20°43	19°50	15°38	20° 3	S 28
M29	20 24 27	5°26'14	10°II47	28°43	8° 5	25°24	25°54	24°49	26°36	17°33	19°31	20°D42	19°47	15°44	20° 1	M29
T 30	20 28 23	6°23'34	23° 5	0°II11	9°19	26° 2	25°46	24°50	26°39	17°34	19°31	20°R43	19°44	15°51	19°59	T 30
W31	20 32 20	7°Δ20'54	5°X10	1°II38	10°Δ33	26°Δ40	25°39	24°Y51	26°II42	17°Δ35	19°832	20°842	19°841	15°358	19°K57	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	23n 8	10s18	1n52	24n15	0n57	23n35	0n13	19n30	1n14	20s38	0s23	6n58	2s25	23n28	0n 8	5s18
T 2	23 4	15 17	0 48	24 17	1 5	23 35	0 15	19 20	1 14	20 40	0 23	6 59	2 25	23 28	0 8	5 18
W 3	23 0	19 34	0s18	24 16	1 13	23 35	0 18	19 10	1 14	20 41	0 23	7 0	2 25	23 28	0 8	5 18
T 4	22 55	23 0	1 21	24 12	1 20	23 33	0 20	18 59	1 14	20 43	0 23	7 1	2 25	23 28	0 8	5 18
F 5	22 50	25 24	2 21	24 6	1 26	23 31	0 22	18 49	1 14	20 45	0 23	7 2	2 26	23 28	0 8	5 18
S 6	22 45	26 39	3 14	23 56	1 32	23 28	0 25	18 39	1 13	20 46	0 24	7 3	2 26	23 28	0 8	5 19
S 7	22 39	26 40	3 59	23 45	1 37	23 25	0 27	18 28	1 13	20 48	0 24	7 4	2 26	23 28	0 8	5 19
M 8	22 32	25 28	4 33	23 30	1 41	23 21	0 29	18 17	1 13	20 50	0 24	7 5	2 26	23 29	0 8	5 19
T 9	22 26	23 8	4 55	23 13	1 44	23 16	0 31	18 7	1 13	20 51	0 24	7 6	2 27	23 29	0 8	5 19
W10	22 18	19 46	5 5	22 54	1 47	23 10	0 33	17 56	1 13	20 53	0 24	7 7	2 27	23 29	0 8	5 19
T 11	22 11	15 34	5 1	22 33	1 49	23 4	0 36	17 45	1 12	20 54	0 24	7 7	2 27	23 29	0 8	5 19
F 12	22 3	10 42	4 43	22 10	1 50	22 57	0 38	17 33	1 12	20 56	0 24	7 8	2 27	23 29	0 8	5 20
S 13	21 55	5 20	4 12	21 44	1 51	22 49	0 40	17 22	1 12	20 58	0 25	7 9	2 28	23 29	0 8	5 20
S 14	21 46	0n22	3 28	21 17	1 50	22 41	0 42	17 11	1 12	20 59	0 25	7 9	2 28	23 29	0 8	5 20
M15	21 37	6 12	2 32	20 49	1 50	22 32	0 44	16 59	1 12	21 1	0 25	7 10	2 28	23 29	0 8	5 20
T 16	21 28	11 55	1 27	20 19	1 48	22 22	0 46	16 48	1 11	21 3	0 25	7 11	2 28	23 29	0 8	5 20
W17	21 18	17 15	0 14	19 48	1 46	22 12	0 48	16 36	1 11	21 4	0 25	7 11	2 29	23 30	0 8	5 21
T 18	21 8	21 47	1n 1	19 16	1 43	22 1	0 50	16 24	1 11	21 6	0 25	7 12	2 29	23 30	0 8	5 21
F 19	20 57	25 6	2 14	18 42	1 40	21 50	0 52	16 12	1 11	21 8	0 25	7 12	2 29	23 30	0 8	5 21
S 20	20 47	26 44	3 20	18 8	1 36	21 37	0 54	16 0	1 10	21 9	0 26	7 13	2 30	23 30	0 8	5 22
S 21	20 35	26 24	4 13	17 33	1 31	21 25	0 56	15 48	1 10	21 11	0 26	7 13	2 30	23 30	0 8	5 22
M22	20 24	24 5	4 48	16 57	1 27	21 11	0 57	15 36	1 10	21 13	0 26	7 13	2 30	23 30	0 8	5 22
T 23	20 12	20 6	5 2	16 20	1 21	20 57	0 59	15 23	1 10	21 14	0 26	7 14	2 30	23 30	0 8	5 23
W24	20 0	14 54	4 56	15 43	1 15	20 42	1 1	15 11	1 10	21 16	0 26	7 14	2 31	23 30	0 8	5 23
T 25	19 47	9 0	4 30	15 5	1 9	20 27	1 2	14 58	1 9	21 17	0 26	7 14	2 31	23 30	0 8	5 23
F 26	19 34	2 51	3 49	14 27	1 2	20 11	1 4	14 46	1 9	21 19	0 26	7 14	2 31	23 31	0 8	5 24
S 27	19 21	3s14	2 57	13 49	0 55	19 55	1 6	14 33	1 9	21 21	0 27	7 15	2 31	23 31	0 8	5 24
S 28	19 8	9 0	1 57	13 11	0 48	19 38	1 7	14 20	1 9	21 22	0 27	7 15	2 32	23 31	0 8	5 24
M29	18 54	14 13	0 52	12 32	0 40	19 20	1 9	14 7	1 8	21 24	0 27	7 15	2 32	23 31	0 8	5 25
T 30	18 40	18 44	0s13	11 54	0 32	19 2	1 10	13 54	1 8	21 25	0 27	7 15	2 32	23 31	0 8	5 25
W31	18n25	22s24	1s16	11n15	0n23	18n44	1n11	13n41	1n 8	21s27	0s27	7n15	2s33	23n31	0n 8	5s26

Julian Day Number = 2493728.5, Delta T = 100.84 sec  
 Ecliptic obliquity = 23°25'33, Nutation = - 0°00'13, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 26°21'14, Lahiri = 25°28'15



ASTRODIENST EPHEMERIS for the year 2115  
geocentric

AUGUST 2115

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 36 16	8♌18'15	17♊5	3♈2	11♌47	27♌17	25°R31	24°Y52	26♈45	17♌36	19♈32	20°R39	19♈38	16♈4	19°R55	T 1
F 2	20 40 13	9°15'36	28°56	4°25	13° 1	27°55	25♈24	24°52	26°48	17°37	19°33	20♈34	19°34	16°11	19°R53	F 2
S 3	20 44 10	10°12'59	10♈46	5°45	14°15	28°33	25°17	24°53	26°51	17°38	19°33	20°26	19°31	16°18	19°51	S 3
S 4	20 48 6	11°10'21	22°37	7° 4	15°29	29°11	25°10	24°53	26°54	17°40	19°33	20°16	19°28	16°25	19°49	S 4
M 5	20 52 3	12° 7'45	4♈33	8°20	16°43	29°49	25° 2	24°53	26°56	17°41	19°34	20° 3	19°25	16°31	19°47	M 5
T 6	20 55 59	13° 5'09	16°34	9°35	17°57	0♈27	24°55	24°53	26°59	17°42	19°34	19°50	19°22	16°38	19°45	T 6
W 7	20 59 56	14° 2'35	28°42	10°47	19°11	1° 4	24°48	24°R53	27° 2	17°43	19°34	19°36	19°19	16°45	19°43	W 7
T 8	21 3 52	15° 0'01	10♈58	11°57	20°25	1°42	24°42	24°53	27° 4	17°44	19°34	19°24	19°15	16°51	19°41	T 8
F 9	21 7 49	15°57'28	23°22	13° 4	21°39	2°20	24°35	24°53	27° 7	17°45	19°35	19°14	19°12	16°58	19°39	F 9
S 10	21 11 45	16°54'57	5♈57	14° 9	22°53	2°58	24°28	24°53	27°10	17°47	19°35	19° 7	19° 9	17° 5	19°37	S 10
S 11	21 15 42	17°52'27	18°45	15°12	24° 7	3°36	24°22	24°53	27°12	17°48	19°35	19° 2	19° 6	17°11	19°34	S 11
M12	21 19 38	18°49'58	1♈46	16°11	25°21	4°14	24°15	24°52	27°15	17°49	19°35	19° 0	19° 3	17°18	19°32	M12
T 13	21 23 35	19°47'30	15° 6	17° 8	26°35	4°52	24° 9	24°52	27°17	17°51	19°35	18°59	19° 0	17°25	19°30	T 13
W14	21 27 32	20°45'04	28°45	18° 3	27°49	5°30	24° 3	24°51	27°20	17°52	19°35	18°59	18°56	17°32	19°27	W14
T 15	21 31 28	21°42'39	12♈45	18°54	29° 4	6° 8	23°57	24°50	27°22	17°53	19°36	18°59	18°53	17°38	19°25	T 15
F 16	21 35 25	22°40'16	27° 7	19°42	0♈18	6°46	23°51	24°49	27°24	17°55	19°36	18°56	18°50	17°45	19°22	F 16
S 17	21 39 21	23°37'55	11♈49	20°26	1°32	7°24	23°45	24°48	27°27	17°56	19°36	18°50	18°47	17°52	19°20	S 17
S 18	21 43 18	24°35'35	26°45	21° 7	2°46	8° 2	23°39	24°47	27°29	17°58	19°36	18°42	18°44	17°58	19°17	S 18
M19	21 47 14	25°33'16	11♈47	21°44	4° 0	8°40	23°34	24°46	27°31	17°59	19°36	18°32	18°40	18° 5	19°15	M19
T 20	21 51 11	26°30'59	26°47	22°18	5°14	9°18	23°28	24°45	27°34	18° 1	19°R36	18°21	18°37	18°12	19°12	T 20
W21	21 55 8	27°28'42	11♈34	22°47	6°28	9°56	23°23	24°43	27°36	18° 2	19°36	18°10	18°34	18°18	19°10	W21
T 22	21 59 4	28°26'27	26° 0	23°11	7°43	10°34	23°18	24°42	27°38	18° 4	19°36	18° 1	18°31	18°25	19° 7	T 22
F 23	22 3 1	29°24'13	10♈0	23°31	8°57	11°12	23°13	24°40	27°40	18° 6	19°36	17°54	18°28	18°32	19° 5	F 23
S 24	22 6 57	0♈22'01	23°32	23°46	10°11	11°50	23° 8	24°38	27°42	18° 7	19°36	17°50	18°25	18°39	19° 2	S 24
S 25	22 10 54	1°19'49	6♈36	23°56	11°25	12°28	23° 4	24°37	27°44	18° 9	19°36	17°48	18°21	18°45	18°59	S 25
M26	22 14 50	2°17'39	19°16	24°R 1	12°39	13° 6	22°59	24°35	27°46	18°10	19°35	17°D48	18°18	18°52	18°57	M26
T 27	22 18 47	3°15'30	1♈36	23°59	13°53	13°45	22°55	24°33	27°48	18°12	19°35	17°R48	18°15	18°59	18°54	T 27
W28	22 22 43	4°13'22	13°41	23°53	15° 8	14°23	22°51	24°31	27°50	18°14	19°35	17°47	18°12	19° 5	18°51	W28
T 29	22 26 40	5°11'15	25°37	23°40	16°22	15° 1	22°47	24°29	27°52	18°16	19°35	17°45	18° 9	19°12	18°49	T 29
F 30	22 30 37	6° 9'10	7♈27	23°21	17°36	15°39	22°43	24°26	27°54	18°17	19°35	17°41	18° 5	19°19	18°46	F 30
S 31	22 34 33	7♈7'06	19♈18	22♈56	18♈50	16♈17	22♈39	24°Y24	27°II55	18♈19	19°R35	17°R35	18♈2	19♈26	18°R43	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
T 1	18n11	25s 2	2s15	10n36	0n14	18n24	1n13	13n28	1n 8	21s28	0s27	7n15	2s33	23n31
F 2	17 56	26 33	3 8	9 58	0 5	18 5	1 14	13 15	1 7	21 30	0 27	7 15	2 33	23 31
S 3	17 40	26 50	3 52	9 20	0s 4	17 44	1 15	13 1	1 7	21 31	0 27	7 15	2 33	23 31
S 4	17 25	25 54	4 26	8 42	0 14	17 24	1 16	12 48	1 7	21 32	0 27	7 15	2 34	23 31
M 5	17 9	23 47	4 49	8 4	0 23	17 3	1 17	12 34	1 7	21 34	0 28	7 14	2 34	23 31
T 6	16 53	20 37	4 59	7 27	0 34	16 41	1 18	12 21	1 6	21 35	0 28	7 14	2 34	23 31
W 7	16 36	16 32	4 56	6 51	0 44	16 19	1 19	12 7	1 6	21 37	0 28	7 14	2 35	23 32
T 8	16 20	11 45	4 39	6 15	0 54	15 56	1 20	11 53	1 6	21 38	0 28	7 14	2 35	23 32
F 9	16 3	6 26	4 9	5 39	1 5	15 33	1 21	11 40	1 6	21 39	0 28	7 13	2 35	23 32
S 10	15 45	0 48	3 26	5 4	1 16	15 10	1 22	11 26	1 5	21 41	0 28	7 13	2 35	23 32
S 11	15 28	4n59	2 32	4 30	1 26	14 46	1 22	11 12	1 5	21 42	0 28	7 13	2 36	23 32
M12	15 10	10 1	1 30	3 57	1 37	14 22	1 23	10 58	1 5	21 43	0 28	7 12	2 36	23 32
T 13	14 52	16 2	0 21	3 25	1 48	13 57	1 24	10 43	1 5	21 44	0 28	7 12	2 36	23 32
W14	14 34	20 42	0n51	2 54	1 59	13 32	1 24	10 29	1 4	21 45	0 28	7 11	2 36	23 32
T 15	14 16	24 20	2 2	2 23	2 10	13 7	1 25	10 15	1 4	21 46	0 29	7 11	2 37	23 32
F 16	13 57	26 30	3 7	1 55	2 22	12 41	1 25	10 1	1 4	21 48	0 29	7 10	2 37	23 32
S 17	13 38	26 54	4 1	1 27	2 33	12 15	1 25	9 46	1 3	21 49	0 29	7 10	2 37	23 32
S 18	13 19	25 21	4 39	1 1	2 43	11 49	1 26	9 32	1 3	21 50	0 29	7 9	2 37	23 32
M19	13 0	22 1	4 58	0 36	2 54	11 22	1 26	9 17	1 3	21 51	0 29	7 8	2 38	23 32
T 20	12 40	17 14	4 57	0 13	3 5	10 55	1 26	9 3	1 3	21 52	0 29	7 8	2 38	23 32
W21	12 20	11 29	4 36	0s 7	3 15	10 28	1 26	8 48	1 2	21 53	0 29	7 7	2 38	23 32
T 22	12 1	5 13	3 58	0 26	3 25	10 0	1 26	8 34	1 2	21 54	0 29	7 6	2 38	23 32
F 23	11 40	1s 7	3 6	0 43	3 35	9 32	1 26	8 19	1 2	21 55	0 29	7 5	2 39	23 33
S 24	11 20	7 12	2 5	0 58	3 44	9 4	1 26	8 4	1 1	21 55	0 29	7 4	2 39	23 33
S 25	11 0	12 47	0 59	1 10	3 53	8 36	1 26	7 49	1 1	21 56	0 29	7 4	2 39	23 33
M26	10 39	17 40	0s 8	1 19	4 1	8 7	1 26	7 34	1 1	21 57	0 29	7 3	2 39	23 33
T 27	10 18	21 39	1 13	1 25	4 9	7 39	1 25	7 19	1 1	21 58	0 29	7 2	2 40	23 33
W28	9 57	24 38	2 13	1 29	4 15	7 10	1 25	7 4	1 0	21 59	0 29	7 1	2 40	23 33
T 29	9 36	26 27	3 6	1 29	4 21	6 40	1 24	6 49	1 0	21 59	0 30	7 0	2 40	23 33
F 30	9 15	27 4	3 51	1 25	4 25	6 11	1 24	6 34	1 0	22 0	0 30	6 59	2 40	23 33
S 31	8n54	26s26	4s26	1s18	4s28	5n41	1n23	6n19	0n59	22s 1	0s30	6n58	2s41	23n33

Julian Day Number = 2493759.5, Delta T = 100.89 sec  
Ecliptic obliquity = 23°25'33", Nutation = - 0°00'12", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 26°21'19", Lahiri = 25°28'19"

ASTRODIENST EPHEMERIS for the year 2115  
geocentric

SEPTEMBER 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 38 30	8 <sup>h</sup> 5'03	1 <sup>h</sup> 13	22°R25	20 <sup>h</sup> 4	16 <sup>h</sup> 56	22°R36	24°R22	27 <sup>h</sup> 57	18 <sup>h</sup> 21	19°R34	17°R26	17 <sup>h</sup> 59	19 <sup>h</sup> 32	18°R40	S 1
M 2	22 42 26	9° 3'02	13°14	21 <sup>h</sup> 49	21°19	17°34	22 <sup>h</sup> 33	24°Y19	27°59	18°23	19 <sup>h</sup> 34	17 <sup>h</sup> 15	17°56	19°39	18 <sup>h</sup> 37	M 2
T 3	22 46 23	10° 1'02	25°23	21° 7	22°33	18°12	22°30	24°16	28° 0	18°25	19°34	17° 3	17°53	19°46	18°35	T 3
W 4	22 50 19	10°59'04	7 <sup>h</sup> 43	20°20	23°47	18°51	22°27	24°14	28° 2	18°26	19°34	16°51	17°50	19°52	18°32	W 4
T 5	22 54 16	11°57'07	20°13	19°29	25° 1	19°29	22°24	24°11	28° 3	18°28	19°33	16°40	17°46	19°59	18°29	T 5
F 6	22 58 12	12°55'12	2 <sup>h</sup> Y54	18°35	26°15	20° 7	22°21	24° 8	28° 5	18°30	19°33	16°31	17°43	20° 6	18°26	F 6
S 7	23 2 9	13°53'19	15°45	17°38	27°29	20°46	22°19	24° 5	28° 6	18°32	19°32	16°24	17°40	20°12	18°23	S 7
S 8	23 6 5	14°51'27	28°48	16°39	28°44	21°24	22°17	24° 2	28° 8	18°34	19°32	16°21	17°37	20°19	18°21	S 8
M 9	23 10 2	15°49'38	12 <sup>h</sup> 8	15°41	29°58	22° 2	22°15	23°59	28° 9	18°36	19°32	16°D19	17°34	20°26	18°18	M 9
T 10	23 13 59	16°47'50	25°30	14°43	1 <sup>h</sup> 12	22°41	22°13	23°56	28°10	18°38	19°31	16°19	17°31	20°33	18°15	T 10
W11	23 17 55	17°46'05	9 <sup>h</sup> 12	13°48	2°26	23°19	22°11	23°52	28°12	18°40	19°31	16°20	17°27	20°39	18°12	W11
T 12	23 21 52	18°44'22	23° 8	12°57	3°40	23°58	22°10	23°49	28°13	18°42	19°30	16°R20	17°24	20°46	18° 9	T 12
F 13	23 25 48	19°42'41	7 <sup>h</sup> 59	12°10	4°55	24°36	22° 9	23°46	28°14	18°44	19°30	16°19	17°21	20°53	18° 6	F 13
S 14	23 29 45	20°41'02	21°43	11°30	6° 9	25°15	22° 8	23°42	28°15	18°46	19°29	16°15	17°18	20°59	18° 4	S 14
S 15	23 33 41	21°39'25	6 <sup>h</sup> 17	10°57	7°23	25°53	22° 7	23°38	28°16	18°48	19°29	16°10	17°15	21° 6	18° 1	S 15
M16	23 37 38	22°37'50	20°56	10°32	8°37	26°32	22° 6	23°35	28°17	18°50	19°28	16° 2	17°11	21°13	17°58	M16
T 17	23 41 34	23°36'17	5 <sup>h</sup> 33	10°15	9°52	27°10	22° 6	23°31	28°18	18°52	19°28	15°54	17° 8	21°20	17°55	T 17
W18	23 45 31	24°34'46	20° 1	10°D 8	11° 6	27°49	22° 6	23°27	28°19	18°54	19°27	15°46	17° 5	21°26	17°52	W18
T 19	23 49 28	25°33'17	4 <sup>h</sup> 13	10°10	12°20	28°28	22°D 6	23°23	28°20	18°56	19°27	15°39	17° 2	21°33	17°50	T 19
F 20	23 53 24	26°31'49	18° 4	10°21	13°34	29° 6	22° 6	23°19	28°21	18°58	19°26	15°34	16°59	21°40	17°47	F 20
S 21	23 57 21	27°30'24	1 <sup>h</sup> 31	10°42	14°48	29°45	22° 6	23°16	28°21	19° 0	19°25	15°31	16°56	21°46	17°44	S 21
S 22	0 1 17	28°29'00	14°35	11°12	16° 3	0 <sup>h</sup> 24	22° 7	23°11	28°22	19° 2	19°25	15°D30	16°52	21°53	17°41	S 22
M23	0 5 14	29°27'38	27°16	11°52	17°17	1° 3	22° 7	23° 7	28°23	19° 4	19°24	15°30	16°49	22° 0	17°38	M23
T 24	0 9 10	0 <sup>h</sup> 26'18	9 <sup>h</sup> 38	12°39	18°31	1°41	22° 8	23° 3	28°23	19° 7	19°24	15°32	16°46	22° 6	17°36	T 24
W25	0 13 7	1°24'59	21°45	13°35	19°45	2°20	22° 9	22°59	28°24	19° 9	19°23	15°33	16°43	22°13	17°33	W25
T 26	0 17 3	2°23'43	3 <sup>h</sup> 42	14°38	20°59	2°59	22°11	22°55	28°24	19°11	19°22	15°R33	16°40	22°20	17°30	T 26
F 27	0 21 0	3°22'28	15°34	15°48	22°14	3°38	22°12	22°50	28°25	19°13	19°21	15°33	16°37	22°27	17°27	F 27
S 28	0 24 57	4°21'14	27°27	17° 4	23°28	4°17	22°14	22°46	28°25	19°15	19°21	15°30	16°33	22°33	17°25	S 28
S 29	0 28 53	5°20'02	9 <sup>h</sup> 24	18°25	24°42	4°55	22°16	22°42	28°25	19°17	19°20	15°25	16°30	22°40	17°22	S 29
M30	0 32 50	6 <sup>h</sup> 18'52	21 <sup>h</sup> 29	19 <sup>h</sup> 51	25 <sup>h</sup> 56	5 <sup>h</sup> 34	22 <sup>h</sup> 18	22 <sup>h</sup> Y37	28 <sup>h</sup> 26	19 <sup>h</sup> 20	19 <sup>h</sup> 19	15 <sup>h</sup> 20	16 <sup>h</sup> 27	22 <sup>h</sup> 47	17 <sup>h</sup> 20	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n32	24s35	4s50	1 s 8	4s30	5n12	1n23	6n 4	0n59	22s 1	0s30	6n57	2s41	23n33	0n 8	5s44	1n34	2n39	15s31	17n 1	17n11	26s29	0n 6	4n58			
M 2	8 10	21 39	5 1	0 54	4 31	4 42	1 22	5 49	0 59	22 2	0 30	6 55	2 41	23 33	0 8	5 45	1 34	2 38	15 31	16 58	17 10	26 28	0 5	4 58			
T 3	7 49	17 44	4 59	0 36	4 29	4 12	1 21	5 33	0 58	22 2	0 30	6 54	2 41	23 33	0 8	5 45	1 34	2 38	15 32	16 55	17 9	26 28	0 3	4 58			
W 4	7 27	13 2	4 42	0 15	4 26	3 42	1 20	5 18	0 58	22 3	0 30	6 53	2 42	23 33	0 8	5 46	1 34	2 38	15 32	16 52	17 8	26 27	0 2	4 58			
T 5	7 5	7 45	4 12	0n 9	4 21	3 12	1 19	5 3	0 58	22 3	0 30	6 52	2 42	23 33	0 8	5 47	1 34	2 37	15 32	16 48	17 7	26 27	0 1	4 58			
F 6	6 42	2 3	3 30	0 37	4 14	2 41	1 18	4 48	0 57	22 4	0 30	6 51	2 42	23 33	0 8	5 48	1 34	2 37	15 32	16 46	17 6	26 26	0 0	4 58			
S 7	6 20	3n48	2 35	1 7	4 5	2 11	1 17	4 32	0 57	22 4	0 30	6 49	2 42	23 33	0 8	5 48	1 34	2 37	15 33	16 44	17 6	26 25	0s 1	4 58			
S 8	5 58	9 36	1 32	1 40	3 55	1 40	1 16	4 17	0 57	22 5	0 30	6 48	2 42	23 33	0 8	5 49	1 34	2 36	15 33	16 43	17 5	26 25	0 2	4 58			
M 9	5 35	15 5	0 23	2 14	3 42	1 10	1 15	4 1	0 56	22 5	0 30	6 47	2 43	23 33	0 8	5 50	1 34	2 36	15 33	16 43	17 4	26 24	0 3	4 58			
T 10	5 13	19 55	0n49	2 49	3 28	0 39	1 14	3 46	0 56	22 5	0 30	6 45	2 43	23 33	0 9	5 51	1 34	2 35	15 34	16 43	17 3	26 23	0 4	4 58			
W11	4 50	23 47	1 59	3 25	3 12	0 9	1 13	3 30	0 56	22 6	0 30	6 44	2 43	23 33	0 9	5 51	1 34	2 35	15 34	16 43	17 2	26 23	0 6	4 58			
T 12	4 27	26 18	3 4	4 0	2 55	0s22	1 11	3 15	0 55	22 6	0 30	6 43	2 43	23 33	0 9	5 52	1 34	2 35	15 34	16 43	17 1	26 22	0 7	4 58			
F 13	4 4	27 11	3 58	4 35	2 37	0 53	1 10	2 59	0 55	22 6	0 30	6 41	2 43	23 33	0 9	5 53	1 34	2 34	15 34	16 43	17 0	26 21	0 8	4 58			
S 14	3 41	26 15	4 38	5 7	2 18	1 24	1 8	2 44	0 55	22 6	0 30	6 40	2 44	23 33	0 9	5 54	1 34	2 34	15 35	16 42	16 59	26 21	0 9	4 57			
S 15	3 18	23 33	5 1	5 38	1 58	1 54	1 7	2 28	0 54	22 7	0 30	6 38	2 44	23 33	0 9	5 54	1 34	2 34	15 35	16 40	16 58	26 20	0 10	4 57			
M16	2 55	19 19	5 5	6 6	1 39	2 25	1 5	2 12	0 54	22 7	0 30	6 37	2 44	23 34	0 9	5 55	1 34	2 33	15 35	16 38	16 57	26 19	0 11	4 57			
T 17	2 32	13 56	4 48	6 30	1 19	2 56	1 4	1 57	0 54	22 7	0 30	6 35	2 44	23 34	0 9	5 56	1 34	2 33	15 35	16 35	16 57	26 19	0 13	4 57			
W18	2 9	7 50	4 13	6 51	1 0	3 26	1 2	1 41	0 53	22 7	0 30	6 34	2 44	23 34	0 9	5 57	1 34	2 32	15 36	16 33	16 56	26 18	0 14	4 57			
T 19	1 46	1 26	3 23	7 7	0 41	3 57	1 0	1 25	0 53	22 7	0 30	6 32	2 44	23 34	0 9	5 58	1 34	2 32	15 36	16 31	16 55	26 17	0 15	4 57			
F 20	1 23	4s53	2 22	7 20	0 23	4 27	0 59	1 10	0 53	22 7	0 30	6 30	2 45	23 34	0 9	5 58	1 34	2 32	15 36	16 30	16 54	26 17	0 16	4 57			
S 21	0 59	10 50	1 15	7 28	0 5	4 58	0 57	0 54	0 52	22 7	0 30	6 29	2 45	23 34	0 9	5 59	1 34	2 31	15 36	16 29	16 53	26 16	0 17	4 57			
S 22	0 36	16 8	0 5	7 32	0n11	5 28	0 55	0 38	0 52	22 7	0 31	6 27	2 45	23 34	0 9	6 0	1 34	2 31	15 37	16 28	16 52	26 15	0 19	4 57			
M23	0 13	20 34	1s 3	7 31	0 26	5 58	0 53	0 23	0 52	22 7	0 31	6 26	2 45	23 34	0 9	6 1	1 34	2 31	15 37	16 28	16 51	26 14	0 20	4 57			
T 24	0s10	23 58	2 7	7 26	0 40	6 28	0 51	0 7	0 51	22 7	0 31	6 24	2 45	23 34	0 9	6 2	1 34	2 30	15 37	16 29	16 50	26 14	0 21	4 56			
W25	0 34	26 13	3 3	7 16	0 53	6 58	0 49	0s 9	0 51	22 6	0 31	6 22	2 45	23 34	0 9	6 3	1 34	2 30	15 37	16 29	16 49	26 13	0 22	4 56			
T 26	0 57	27 13	3 51	7 2	1 4	7 28	0 47	0 25	0 51	22 6	0 31	6 21	2 45	23 34	0 9	6 3	1 34	2 29	15 37	16 29	16 48	26 12	0 23	4 56			
F 27	1 20	26 58	4 29	6 45	1 15	7 58	0 45	0 40	0 50	22 6	0 31	6 19	2 45	23 34	0 9	6 4	1 34	2 29	15 38	16 29	16 48	26 11	0 24	4 56			
S 28	1 44	25 28	4 55	6 23	1 24	8 27	0 42	0 56	0 50	22 6	0 31	6 17	2 46	23 34	0 9	6 5	1 34	2 29	15 38	16 28	16 47	26 11	0 26	4 56			
S 29	2 7	22 50	5 8	5 59	1 31	8 56	0 40	1 12	0 49	22 6	0 31	6 16	2 46	23 34	0 9	6 6	1 34	2 28	15 38	16 27	16 46	26 10	0 27	4 56			
M30	2s30	19s11	5s 8	5n31	1n38	9s25	0n38	1s28	0n49	22s 5	0s31	6n14	2s46	23n34	0n 9	6s 7	1n34	2n28	15s38	16n25	16n45	26s 9	0s28	4n56			

ASTRODIENST EPHEMERIS for the year 2115  
geocentric

OCTOBER 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 36 46	7♏1744	3♏45	21♏22	27♏10	6♏13	22♏20	22°R33	28♏26	19♏22	19°R18	15°R13	16♏24	22♏53	17°R17	T 1
W 2	0 40 43	8°16'38	16°16	22°56	28°24	6°52	22°23	22°Y28	28°26	19°24	19♏18	15♏6	16°21	23°0	17♏14	W 2
T 3	0 44 39	9°15'33	29°0	24°33	29°39	7°31	22°25	22°24	28°26	19°26	19°17	15°0	16°17	23°7	17°12	T 3
F 4	0 48 36	10°14'31	12°Y 0	26°12	0♏53	8°10	22°28	22°19	28°26	19°28	19°16	14°55	16°14	23°14	17°9	F 4
S 5	0 52 32	11°13'30	25°13	27°53	2°7	8°49	22°31	22°15	28°R26	19°31	19°15	14°52	16°11	23°20	17°7	S 5
S 6	0 56 29	12°12'32	8♏39	29°36	3°21	9°28	22°34	22°10	28°26	19°33	19°14	14°D51	16°8	23°27	17°4	S 6
M 7	1 0 26	13°11'36	22°16	1♏21	4°35	10°7	22°38	22°5	28°26	19°35	19°13	14°51	16°5	23°34	17°2	M 7
T 8	1 4 22	14°10'42	6♏11	3°6	5°49	10°46	22°41	22°1	28°26	19°37	19°12	14°52	16°2	23°40	16°59	T 8
W 9	1 8 19	15°9'50	20°0	4°51	7°3	11°25	22°45	21°56	28°26	19°39	19°12	14°53	15°58	23°47	16°57	W 9
T 10	1 12 15	16°9'01	4♏3	6°37	8°17	12°5	22°49	21°51	28°25	19°42	19°11	14°55	15°55	23°54	16°54	T 10
F 11	1 16 12	17°8'14	18°12	8°24	9°31	12°44	22°53	21°47	28°25	19°44	19°10	14°R55	15°52	24°1	16°52	F 11
S 12	1 20 8	18°7'30	2♏25	10°10	10°46	13°23	22°57	21°42	28°25	19°46	19°9	14°54	15°49	24°7	16°50	S 12
S 13	1 24 5	19°6'48	16°40	11°56	12°0	14°2	23°2	21°37	28°24	19°48	19°8	14°52	15°46	24°14	16°48	S 13
M14	1 28 1	20°6'08	0♏53	13°42	13°14	14°42	23°6	21°32	28°24	19°51	19°7	14°49	15°43	24°21	16°45	M14
T 15	1 31 58	21°5'30	15°2	15°27	14°28	15°21	23°11	21°28	28°23	19°53	19°6	14°46	15°39	24°27	16°43	T 15
W16	1 35 55	22°4'55	29°2	17°12	15°42	16°0	23°16	21°23	28°23	19°55	19°5	14°43	15°36	24°34	16°41	W16
T 17	1 39 51	23°4'21	12♏50	18°57	16°56	16°40	23°21	21°18	28°22	19°57	19°4	14°40	15°33	24°41	16°39	T 17
F 18	1 43 48	24°3'50	26°21	20°40	18°10	17°19	23°27	21°13	28°22	20°0	19°3	14°38	15°30	24°48	16°37	F 18
S 19	1 47 44	25°3'21	9♏35	22°24	19°24	17°58	23°32	21°8	28°21	20°2	19°2	14°D37	15°27	24°54	16°35	S 19
S 20	1 51 41	26°2'53	22°30	24°7	20°38	18°38	23°38	21°4	28°20	20°4	19°1	14°37	15°23	25°1	16°33	S 20
M21	1 55 37	27°2'28	5♏7	25°49	21°52	19°17	23°44	20°59	28°19	20°6	19°0	14°38	15°20	25°8	16°31	M21
T 22	1 59 34	28°2'05	17°28	27°30	23°6	19°57	23°49	20°54	28°18	20°9	18°59	14°39	15°17	25°14	16°29	T 22
W23	2 3 30	29°1'43	29°35	29°11	24°20	20°36	23°56	20°50	28°17	20°11	18°58	14°41	15°14	25°21	16°27	W23
T 24	2 7 27	0♏1'23	11♏33	0♏52	25°34	21°16	24°2	20°45	28°16	20°13	18°57	14°42	15°11	25°28	16°25	T 24
F 25	2 11 24	1°1'05	23°26	2°31	26°49	21°55	24°8	20°40	28°15	20°15	18°56	14°43	15°8	25°35	16°23	F 25
S 26	2 15 20	2°0'49	5♏19	4°11	28°3	22°35	24°15	20°36	28°14	20°17	18°55	14°R43	15°4	25°41	16°21	S 26
S 27	2 19 17	3°0'34	17°15	5°49	29°17	23°15	24°22	20°31	28°13	20°20	18°54	14°42	15°1	25°48	16°20	S 27
M28	2 23 13	4°0'21	29°21	7°27	0♏31	23°54	24°29	20°27	28°12	20°22	18°53	14°41	14°58	25°55	16°18	M28
T 29	2 27 10	5°0'10	11♏40	9°4	1°44	24°34	24°36	20°22	28°11	20°24	18°51	14°40	14°55	26°1	16°16	T 29
W30	2 31 6	6°0'00	24°15	10°41	2°58	25°14	24°43	20°18	28°10	20°26	18°50	14°39	14°52	26°8	16°15	W30
T 31	2 35 3	6♏59'52	7°Y10	12♏18	4♏12	25♏53	24♏51	20°Y13	28♏8	20♏28	18♏49	14♏38	14♏48	26♏15	16♏13	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	decl lat
T 1	2s54	14s41	4s54	5n 0	1n43	9s54	0n36	1s43	0n49	22s 5	0s31	6n12	2s46	23n34	0n 9	6s 8
W 2	3 17	9 30	4 26	4 27	1 47	10 23	0 33	1 59	0 48	22 4	0 31	6 10	2 46	23 34	0 9	6 8
T 3	3 40	3 49	3 44	3 52	1 51	10 51	0 31	2 15	0 48	22 4	0 31	6 9	2 46	23 34	0 9	6 9
F 4	4 3	2n 8	2 49	3 14	1 53	11 20	0 29	2 31	0 48	22 4	0 31	6 7	2 46	23 34	0 9	6 10
S 5	4 26	8 7	1 45	2 35	1 54	11 47	0 26	2 46	0 47	22 3	0 31	6 5	2 46	23 34	0 9	6 11
S 6	4 49	13 51	0 34	1 54	1 55	12 15	0 24	3 2	0 47	22 3	0 31	6 3	2 46	23 34	0 9	6 12
M 7	5 12	18 59	0n41	1 13	1 54	12 43	0 21	3 18	0 46	22 2	0 31	6 2	2 46	23 34	0 9	6 13
T 8	5 35	23 10	1 54	0 30	1 53	13 10	0 19	3 33	0 46	22 2	0 31	6 0	2 46	23 34	0 9	6 13
W 9	5 58	26 3	3 1	0s14	1 51	13 36	0 16	3 49	0 46	22 1	0 31	5 58	2 46	23 34	0 9	6 14
T 10	6 21	27 19	3 57	0 58	1 49	14 3	0 14	4 5	0 45	22 0	0 31	5 56	2 46	23 34	0 9	6 15
F 11	6 44	26 49	4 40	1 42	1 46	14 29	0 11	4 20	0 45	22 0	0 31	5 54	2 46	23 34	0 9	6 16
S 12	7 6	24 35	5 6	2 27	1 43	14 55	0 8	4 36	0 44	21 59	0 31	5 53	2 46	23 34	0 9	6 17
S 13	7 29	20 48	5 13	3 12	1 39	15 20	0 6	4 51	0 44	21 58	0 31	5 51	2 46	23 34	0 9	6 18
M14	7 51	15 51	5 1	3 57	1 34	15 45	0 3	5 7	0 44	21 57	0 31	5 49	2 46	23 34	0 9	6 18
T 15	8 14	10 3	4 31	4 42	1 30	16 10	0 0	5 23	0 43	21 57	0 31	5 47	2 46	23 34	0 9	6 19
W16	8 36	3 49	3 45	5 27	1 25	16 34	0s 2	5 38	0 43	21 56	0 31	5 46	2 46	23 34	0 9	6 20
T 17	8 58	2s31	2 46	6 11	1 20	16 58	0 5	5 54	0 42	21 55	0 31	5 44	2 46	23 34	0 9	6 21
F 18	9 20	8 38	1 39	6 55	1 14	17 21	0 8	6 9	0 42	21 54	0 31	5 42	2 46	23 34	0 9	6 22
S 19	9 42	14 14	0 28	7 39	1 8	17 44	0 11	6 24	0 41	21 53	0 31	5 40	2 46	23 34	0 9	6 23
S 20	10 3	19 5	0s43	8 23	1 2	18 7	0 13	6 40	0 41	21 52	0 31	5 39	2 46	23 34	0 9	6 23
M21	10 25	22 57	1 51	9 6	0 56	18 29	0 16	6 55	0 41	21 51	0 31	5 37	2 46	23 34	0 9	6 24
T 22	10 46	25 41	2 52	9 48	0 50	18 51	0 19	7 10	0 40	21 50	0 31	5 35	2 46	23 34	0 9	6 25
W23	11 7	27 9	3 44	10 30	0 44	19 12	0 22	7 26	0 40	21 49	0 31	5 33	2 46	23 34	0 9	6 26
T 24	11 28	27 19	4 25	11 11	0 37	19 32	0 24	7 41	0 39	21 48	0 31	5 32	2 46	23 34	0 9	6 27
F 25	11 49	26 14	4 55	11 52	0 31	19 52	0 27	7 56	0 39	21 47	0 31	5 30	2 46	23 34	0 9	6 27
S 26	12 10	23 58	5 12	12 32	0 24	20 12	0 30	8 11	0 38	21 46	0 31	5 28	2 46	23 34	0 9	6 28
S 27	12 31	20 40	5 16	13 11	0 17	20 31	0 33	8 26	0 38	21 45	0 31	5 27	2 46	23 34	0 9	6 29
M28	12 51	16 28	5 6	13 50	0 10	20 49	0 35	8 41	0 38	21 43	0 31	5 25	2 46	23 34	0 9	6 30
T 29	13 11	11 32	4 42	14 27	0 4	21 7	0 38	8 56	0 37	21 42	0 31	5 23	2 46	23 34	0 9	6 31
W30	13 31	6 1	4 4	15 4	0s 3	21 24	0 41	9 11	0 37	21 41	0 31	5 22	2 46	23 34	0 9	6 32
T 31	13s51	0s 7	3s13	15s40	0s10	21s41	0s43	9s26	0n36	21s39	0s31	5n20	2s46	23n34	0n 9	6s32

Julian Day Number = 2493820.5, Delta T = 100.98 sec  
Ecliptic obliquity = 23°25'34", Nutation = - 0°00'13", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 26°21'27", Lahiri = 25°28'28"

ASTRODIENST EPHEMERIS for the year 2115  
geocentric

NOVEMBER 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 38 59	7♏59°46	20♏23	13♏53	5♏26	26♏33	24♏58	20°R 9	28°R 7	20♏30	18°R48	14°R37	14♏45	26♏22	16°R12	F 1
S 2	2 42 56	8°59'42	3♏57	15°29	6°40	27°13	25° 6	20♏4	28♏6	20°33	18♏47	14♏37	14°42	26°28	16♏10	S 2
S 3	2 46 52	9°59'39	17°48	17° 4	7°54	27°53	25°14	20° 0	28° 4	20°35	18°46	14°D36	14°39	26°35	16° 9	S 3
M 4	2 50 49	10°59'39	1♏53	18°38	9° 8	28°33	25°22	19°56	28° 3	20°37	18°45	14°37	14°36	26°42	16° 8	M 4
T 5	2 54 46	11°59'41	16° 9	20°12	10°22	29°13	25°30	19°51	28° 1	20°39	18°44	14°37	14°33	26°48	16° 7	T 5
W 6	2 58 42	12°59'44	0♏30	21°46	11°36	29°53	25°38	19°47	28° 0	20°41	18°43	14°37	14°29	26°55	16° 5	W 6
T 7	3 2 39	13°59'50	14°53	23°19	12°50	0♏33	25°46	19°43	27°58	20°43	18°42	14°37	14°26	27° 2	16° 4	T 7
F 8	3 6 35	14°59'58	29°13	24°51	14° 4	1°13	25°55	19°39	27°56	20°45	18°40	14°R37	14°23	27° 9	16° 3	F 8
S 9	3 10 32	16° 0'08	13♏28	26°24	15°17	1°53	26° 4	19°35	27°55	20°47	18°39	14°D37	14°20	27°15	16° 2	S 9
S 10	3 14 28	17° 0'20	27°33	27°56	16°31	2°33	26°12	19°31	27°53	20°49	18°38	14°37	14°17	27°22	16° 1	S 10
M 11	3 18 25	18° 0'34	11♏29	29°27	17°45	3°13	26°21	19°27	27°51	20°51	18°37	14°37	14°14	27°29	16° 0	M 11
T 12	3 22 22	19° 0'50	25°14	0♏59	18°59	3°53	26°30	19°23	27°49	20°53	18°36	14°38	14°10	27°35	15°59	T 12
W 13	3 26 18	20° 1'08	8♏46	2°29	20°13	4°33	26°40	19°20	27°48	20°56	18°35	14°38	14° 7	27°42	15°58	W 13
T 14	3 30 15	21° 1'28	22° 6	4° 0	21°27	5°13	26°49	19°16	27°46	20°58	18°34	14°39	14° 4	27°49	15°57	T 14
F 15	3 34 11	22° 1'50	5♏13	5°30	22°40	5°54	26°58	19°12	27°44	20°59	18°33	14°39	14° 1	27°56	15°57	F 15
S 16	3 38 8	23° 2'14	18° 6	7° 0	23°54	6°34	27° 8	19° 9	27°42	21° 1	18°31	14°R39	13°58	28° 2	15°56	S 16
S 17	3 42 4	24° 2'39	0♏46	8°29	25° 8	7°14	27°18	19° 5	27°40	21° 3	18°30	14°39	13°54	28° 9	15°55	S 17
M 18	3 46 1	25° 3'06	13°12	9°58	26°22	7°54	27°27	19° 2	27°38	21° 5	18°29	14°38	13°51	28°16	15°55	M 18
T 19	3 49 57	26° 3'35	25°27	11°27	27°35	8°35	27°37	18°59	27°36	21° 7	18°28	14°37	13°48	28°22	15°54	T 19
W 20	3 53 54	27° 4'05	7♏32	12°55	28°49	9°15	27°47	18°55	27°34	21° 9	18°27	14°35	13°45	28°29	15°54	W 20
T 21	3 57 51	28° 4'36	19°29	14°23	0♏ 3	9°56	27°58	18°52	27°32	21°11	18°26	14°33	13°42	28°36	15°54	T 21
F 22	4 1 47	29° 5'09	1♏21	15°50	1°16	10°36	28° 8	18°49	27°29	21°13	18°25	14°31	13°39	28°43	15°53	F 22
S 23	4 5 44	0♏ 5'43	13°13	17°16	2°30	11°17	28°18	18°46	27°27	21°15	18°24	14°29	13°35	28°49	15°53	S 23
S 24	4 9 40	1° 6'18	25° 8	18°42	3°44	11°57	28°29	18°43	27°25	21°17	18°23	14°28	13°32	28°56	15°53	S 24
M 25	4 13 37	2° 6'55	7♏11	20° 7	4°57	12°38	28°39	18°41	27°23	21°18	18°21	14°D28	13°29	29° 3	15°53	M 25
T 26	4 17 33	3° 7'32	21°32	6°11	13°18	28°50	18°38	18°38	27°21	21°20	18°20	14°29	13°26	29°10	15°53	T 26
W 27	4 21 30	4° 8'11	1°59	22°55	7°24	13°59	29° 1	18°35	27°18	21°22	18°19	14°31	13°23	29°16	15°D52	W 27
T 28	4 25 26	5° 8'51	14°54	24°18	8°38	14°40	29°12	18°33	27°16	21°24	18°18	14°32	13°20	29°23	15°52	T 28
F 29	4 29 23	6° 9'31	28°12	25°39	9°52	15°20	29°23	18°30	27°14	21°25	18°17	14°33	13°16	29°30	15°53	F 29
S 30	4 33 20	7♏10'14	11♏55	26♏59	11♏ 5	16♏ 1	29♏34	18°58	27°11	21♏27	18♏16	14°R34	13♏13	29♏36	15♏53	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	14s10	5n57	2s10	16s16	0s17	21s57	0s46	9s41	0n36	21s38	0s31	5n19	2s46	23n34	0n 9	6s33	1n34	2n16	15s42	16n13	16n15	25s40	1s 1	4n48			
S 2	14 29	11 54	0 59	16 50	0 23	22 13	0 49	9 56	0 35	21 37	0 31	5 17	2 46	23 34	0 9	6 34	1 34	2 16	15 42	16 13	16 14	25 39	1 2	4 48			
S 3	14 48	17 25	0n18	17 24	0 30	22 28	0 51	10 10	0 35	21 35	0 31	5 16	2 45	23 34	0 9	6 35	1 34	2 16	15 42	16 13	16 13	25 38	1 2	4 48			
M 4	15 7	22 4	1 34	17 57	0 37	22 42	0 54	10 25	0 34	21 34	0 31	5 14	2 45	23 34	0 9	6 35	1 34	2 15	15 42	16 13	16 13	25 37	1 3	4 47			
T 5	15 26	25 28	2 46	18 29	0 43	22 56	0 57	10 40	0 34	21 32	0 31	5 13	2 45	23 34	0 9	6 36	1 34	2 15	15 42	16 13	16 12	25 35	1 4	4 47			
W 6	15 44	27 13	3 48	19 0	0 50	23 8	0 59	10 54	0 33	21 31	0 31	5 11	2 45	23 34	0 9	6 37	1 34	2 15	15 42	16 13	16 11	25 34	1 5	4 47			
T 7	16 2	27 9	4 35	19 30	0 56	23 21	1 2	11 8	0 33	21 29	0 31	5 10	2 45	23 34	0 9	6 38	1 34	2 14	15 42	16 13	16 10	25 33	1 5	4 46			
F 8	16 20	25 17	5 6	19 59	1 2	23 32	1 4	11 23	0 32	21 28	0 31	5 8	2 45	23 34	0 10	6 39	1 34	2 14	15 42	16 13	16 9	25 32	1 6	4 46			
S 9	16 37	21 50	5 17	20 27	1 8	23 43	1 7	11 37	0 32	21 26	0 31	5 7	2 45	23 34	0 10	6 39	1 34	2 14	15 42	16 13	16 8	25 31	1 7	4 46			
S 10	16 54	17 9	5 9	20 54	1 15	23 54	1 9	11 51	0 32	21 25	0 31	5 6	2 44	23 34	0 10	6 40	1 34	2 14	15 42	16 13	16 7	25 30	1 8	4 45			
M11	17 11	11 37	4 43	21 20	1 20	24 3	1 12	12 6	0 31	21 23	0 31	5 4	2 44	23 34	0 10	6 41	1 34	2 13	15 42	16 13	16 6	25 29	1 8	4 45			
T 12	17 28	5 35	4 1	21 45	1 26	24 12	1 14	12 20	0 31	21 21	0 31	5 3	2 44	23 34	0 10	6 41	1 34	2 13	15 42	16 13	16 5	25 28	1 9	4 45			
W13	17 44	0s37	3 6	22 9	1 32	24 20	1 17	12 34	0 30	21 19	0 31	5 2	2 44	23 34	0 10	6 42	1 34	2 13	15 42	16 13	16 4	25 27	1 9	4 44			
T 14	18 0	6 43	2 2	22 32	1 37	24 28	1 19	12 47	0 30	21 18	0 31	5 1	2 44	23 34	0 10	6 43	1 34	2 13	15 42	16 13	16 3	25 26	1 10	4 44			
F 15	18 16	12 26	0 52	22 53	1 43	24 35	1 21	13 1	0 29	21 16	0 31	4 59	2 44	23 34	0 10	6 44	1 35	2 12	15 42	16 14	16 2	25 24	1 11	4 44			
S 16	18 31	17 31	0s19	23 14	1 48	24 41	1 23	13 15	0 29	21 14	0 31	4 58	2 43	23 34	0 10	6 44	1 35	2 12	15 42	16 14	16 1	25 23	1 11	4 44			
S 17	18 46	21 44	1 28	23 33	1 52	24 46	1 26	13 29	0 28	21 12	0 31	4 57	2 43	23 34	0 10	6 45	1 35	2 12	15 42	16 13	16 0	25 22	1 12	4 43			
M18	19 1	24 53	2 32	23 52	1 57	24 50	1 28	13 42	0 28	21 10	0 31	4 56	2 43	23 34	0 10	6 46	1 35	2 12	15 42	16 13	15 59	25 21	1 12	4 43			
T 19	19 16	26 48	3 27	24 9	2 1	24 54	1 30	13 56	0 27	21 8	0 31	4 55	2 43	23 34	0 10	6 46	1 35	2 11	15 42	16 13	15 58	25 20	1 13	4 43			
W20	19 30	27 25	4 12	24 25	2 6	24 57	1 32	14 9	0 27	21 6	0 31	4 54	2 43	23 34	0 10	6 47	1 35	2 11	15 42	16 12	15 57	25 19	1 13	4 42			
T 21	19 43	26 44	4 46	24 39	2 9	25 0	1 34	14 22	0 26	21 4	0 31	4 53	2 43	23 34	0 10	6 48	1 35	2 11	15 42	16 12	15 56	25 17	1 14	4 42			
F 22	19 57	24 50	5 7	24 53	2 13	25 1	1 36	14 35	0 26	21 2	0 31	4 52	2 42	23 34	0 10	6 48	1 35	2 11	15 42	16 11	15 56	25 16	1 14	4 42			
S 23	20 10	21 53	5 16	25 5	2 16	25 2	1 38	14 49	0 25	21 0	0 31	4 51	2 42	23 34	0 10	6 49	1 35	2 11	15 42	16 11	15 55	25 15	1 14	4 41			
S 24	20 22	18 0	5 10	25 15	2 19	25 2	1 40	15 1	0 24	20 58	0 31	4 50	2 42	23 34	0 10	6 50	1 35	2 10	15 42	16 10	15 54	25 14	1 15	4 41			
M25	20 34	13 22	4 51	25 25	2 22	25 1	1 41	15 14	0 24	20 56	0 32	4 49	2 42	23 34	0 10	6 50	1 35	2 10	15 41	16 10	15 53	25 13	1 15	4 41			
T 26	20 46	8 9	4 19	25 33	2 24	25 0	1 43	15 27	0 23	20 54	0 32	4 48	2 41	23 34	0 10	6 51	1 35	2 10	15 41	16 11	15 52	25 11	1 16	4 40			
W27	20 58	2 28	3 34	25 39	2 25	24 58	1 45	15 40	0 23	20 52	0 32	4 48	2 41	23 34	0 10	6 52	1 35	2 10	15 41	16 11	15 51	25 10	1 16	4 40			
T 28	21 9	3n28	2 36	25 45	2 27	24 55	1 46	15 52	0 22	20 49	0 32	4 47	2 41	23 34	0 10	6 52	1 35	2 10	15 41	16 11	15 50	25 9	1 16	4 40			
F 29	21 19	9 27	1 29	25 49	2 27	24 51	1 48	16 5	0 22	20 47	0 32	4 46	2 41	23 34	0 10	6 53	1 35	2 10	15 41	16 12	15 49	25 8	1 16	4 40			
S 30	21s30	15n10	0s15	25s51	2s28	24s47	1s49	16s17	0n21	20s45	0s32	4n46	2s41	23n34	0n10	6s53	1n35	2n 9	15s41	16n12	15n48	25s 7	1s17	4n39			

# ASTRODIENST EPHEMERIS for the year 2115

## geocentric

DECEMBER 2115

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 37 16	8♌10'57	26♋3	28♌18	12♋18	16♌42	29♋45	18°R26	27°R 9	21♌29	18°R15	14°R34	13♌10	29♋43	15♌53	S 1
M 2	4 41 13	9°11'41	10♌32	29°35	13°32	17°22	29°56	18°Y24	27♌7	21°30	18♌14	14♌32	13°7	29°50	15°53	M 2
T 3	4 45 9	10°12'27	25°15	0♋50	14°45	18°3	0♋8	18°22	27°4	21°32	18°13	14°29	13°4	29°57	15°53	T 3
W 4	4 49 6	11°13'15	10♋7	2°2	15°59	18°44	0°19	18°20	27°2	21°34	18°12	14°26	13°0	0♋3	15°54	W 4
T 5	4 53 2	12°14'03	24°57	3°12	17°12	19°25	0°31	18°18	26°59	21°35	18°11	14°22	12°57	0°10	15°54	T 5
F 6	4 56 59	13°14'53	9♌40	4°19	18°25	20°6	0°42	18°16	26°57	21°37	18°10	14°18	12°54	0°17	15°55	F 6
S 7	5 0 55	14°15'44	24°8	5°23	19°38	20°47	0°54	18°15	26°54	21°38	18°9	14°15	12°51	0°23	15°55	S 7
S 8	5 4 52	15°16'37	8♌19	6°22	20°52	21°28	1°6	18°13	26°52	21°40	18°8	14°14	12°48	0°30	15°56	S 8
M 9	5 8 49	16°17'31	22°10	7°17	22°5	22°9	1°18	18°12	26°49	21°41	18°7	14°D14	12°45	0°37	15°57	M 9
T 10	5 12 45	17°18'26	5♌42	8°7	23°18	22°50	1°30	18°10	26°47	21°43	18°6	14°15	12°41	0°44	15°57	T 10
W11	5 16 42	18°19'22	18°55	8°51	24°31	23°31	1°42	18°9	26°44	21°44	18°5	14°16	12°38	0°50	15°58	W11
T 12	5 20 38	19°20'20	1♌54	9°28	25°44	24°12	1°54	18°8	26°42	21°46	18°4	14°18	12°35	0°57	15°59	T 12
F 13	5 24 35	20°21'19	14°38	9°58	26°57	24°53	2°6	18°7	26°39	21°47	18°3	14°R18	12°32	1°4	16°0	F 13
S 14	5 28 31	21°22'19	27°10	10°19	28°10	25°34	2°19	18°6	26°37	21°48	18°2	14°17	12°29	1°11	16°1	S 14
S 15	5 32 28	22°23'20	9♌33	10°32	29°23	26°16	2°31	18°5	26°34	21°50	18°1	14°15	12°26	1°17	16°2	S 15
M16	5 36 24	23°24'22	21°47	10°R34	0♋36	26°57	2°44	18°5	26°32	21°51	18°0	14°10	12°22	1°24	16°3	M16
T 17	5 40 21	24°25'24	3♋53	10°25	1°49	27°38	2°56	18°4	26°29	21°52	18°0	14°3	12°19	1°31	16°4	T 17
W18	5 44 18	25°26'28	15°52	10°5	3°2	28°20	3°9	18°4	26°26	21°53	17°59	13°55	12°16	1°37	16°5	W18
T 19	5 48 14	26°27'32	27°47	9°34	4°15	29°1	3°22	18°3	26°24	21°55	17°58	13°46	12°13	1°44	16°6	T 19
F 20	5 52 11	27°28'36	9♋38	8°51	5°27	29°42	3°34	18°3	26°21	21°56	17°57	13°38	12°10	1°51	16°8	F 20
S 21	5 56 7	28°29'41	21°29	7°57	6°40	0♌24	3°47	18°D 3	26°19	21°57	17°56	13°31	12°6	1°58	16°9	S 21
S 22	6 0 4	29°30'47	3♌22	6°53	7°53	1°5	4°0	18°3	26°16	21°58	17°55	13°25	12°3	2°4	16°10	S 22
M23	6 4 0	0♋31'52	15°22	5°41	9°5	1°47	4°13	18°3	26°14	21°59	17°55	13°22	12°0	2°11	16°12	M23
T 24	6 7 57	1°32'58	27°33	4°23	10°18	2°28	4°26	18°3	26°11	22°0	17°54	13°D20	11°57	2°18	16°13	T 24
W25	6 11 54	2°34'04	10°Y 0	3°1	11°30	3°10	4°39	18°4	26°9	22°1	17°53	13°20	11°54	2°24	16°15	W25
T 26	6 15 50	3°35'10	22°47	1°38	12°43	3°51	4°52	18°4	26°6	22°2	17°52	13°21	11°51	2°31	16°16	T 26
F 27	6 19 47	4°36'17	6♋0	0°17	13°55	4°33	5°5	18°5	26°3	22°3	17°52	13°23	11°47	2°38	16°18	F 27
S 28	6 23 43	5°37'24	19°40	29♌1	15°7	5°15	5°19	18°5	26°1	22°4	17°51	13°R23	11°44	2°45	16°20	S 28
S 29	6 27 40	6°38'30	3♌50	27°52	16°19	5°56	5°32	18°6	25°58	22°5	17°50	13°21	11°41	2°51	16°21	S 29
M30	6 31 36	7°39'37	18°26	26°51	17°31	6°38	5°45	18°7	25°56	22°6	17°49	13°17	11°38	2°58	16°23	M30
T 31	6 35 33	8♋40'45	3♋25	25♌59	18♋43	7♌20	5♋59	18°Y 8	25♌53	22♌7	17♋49	13♌10	11♋35	3♋5	16♌25	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s40	20n16	1n 3	25s52	2s27	24s42	1s51	16s29	0n21	20s42	0s32	4n45	2s40	23n34	0n10	6s54
M 2	21 49	24 17	2 18	25 52	2 27	24 36	1 52	16 41	0 20	20 40	0 32	4 44	2 40	23 34	0 10	6 55
T 3	21 58	26 45	3 25	25 50	2 25	24 29	1 53	16 53	0 20	20 38	0 32	4 44	2 40	23 33	0 10	6 55
W 4	22 7	27 20	4 19	25 47	2 23	24 22	1 54	17 5	0 19	20 35	0 32	4 43	2 40	23 33	0 10	6 56
T 5	22 15	25 58	4 55	25 43	2 20	24 14	1 56	17 17	0 19	20 33	0 32	4 43	2 39	23 33	0 10	6 56
F 6	22 23	22 49	5 12	25 37	2 16	24 5	1 57	17 28	0 18	20 30	0 32	4 42	2 39	23 33	0 10	6 57
S 7	22 30	18 18	5 8	25 30	2 11	23 56	1 57	17 40	0 17	20 28	0 32	4 42	2 39	23 33	0 10	6 57
S 8	22 37	12 52	4 46	25 22	2 6	23 45	1 58	17 51	0 17	20 25	0 32	4 42	2 39	23 33	0 10	6 58
M 9	22 43	6 53	4 7	25 13	1 59	23 35	1 59	18 2	0 16	20 23	0 32	4 41	2 38	23 33	0 10	6 58
T 10	22 49	0 44	3 15	25 2	1 52	23 23	2 0	18 13	0 16	20 20	0 32	4 41	2 38	23 33	0 10	6 59
W11	22 55	5s20	2 14	24 50	1 43	23 11	2 0	18 24	0 15	20 17	0 32	4 41	2 38	23 33	0 10	6 59
T 12	23 0	11 4	1 7	24 38	1 33	22 58	2 1	18 35	0 15	20 15	0 32	4 41	2 38	23 33	0 10	7 0
F 13	23 5	16 15	0s 2	24 24	1 21	22 44	2 1	18 45	0 14	20 12	0 32	4 41	2 37	23 33	0 10	7 0
S 14	23 9	20 39	1 9	24 10	1 9	22 30	2 2	18 56	0 13	20 9	0 32	4 40	2 37	23 33	0 10	7 1
S 15	23 12	24 4	2 13	23 55	0 55	22 15	2 2	19 6	0 13	20 6	0 32	4 40	2 37	23 33	0 10	7 1
M16	23 16	26 19	3 9	23 40	0 40	22 0	2 2	19 16	0 12	20 4	0 32	4 40	2 37	23 33	0 10	7 2
T 17	23 19	27 18	3 56	23 24	0 23	21 44	2 2	19 26	0 12	20 1	0 32	4 40	2 36	23 33	0 10	7 2
W18	23 21	26 59	4 32	23 8	0 5	21 27	2 2	19 36	0 11	19 58	0 32	4 41	2 36	23 33	0 10	7 2
T 19	23 23	25 26	4 56	22 52	0n13	21 10	2 2	19 45	0 10	19 55	0 32	4 41	2 36	23 33	0 10	7 3
F 20	23 24	22 45	5 7	22 35	0 33	20 52	2 2	19 55	0 10	19 52	0 32	4 41	2 35	23 33	0 10	7 3
S 21	23 25	19 8	5 5	22 19	0 53	20 33	2 2	20 4	0 9	19 49	0 32	4 41	2 35	23 33	0 10	7 4
S 22	23 26	14 46	4 50	22 2	1 13	20 14	2 1	20 14	0 9	19 46	0 32	4 41	2 35	23 32	0 10	7 4
M23	23 26	9 47	4 21	21 46	1 32	19 55	2 1	20 23	0 8	19 43	0 32	4 42	2 35	23 32	0 10	7 4
T 24	23 25	4 21	3 41	21 30	1 51	19 35	2 0	20 31	0 7	19 40	0 32	4 42	2 34	23 32	0 10	7 5
W25	23 24	1n21	2 50	21 15	2 8	19 14	2 0	20 40	0 7	19 37	0 32	4 42	2 34	23 32	0 10	7 5
T 26	23 23	7 11	1 48	21 1	2 24	18 53	1 59	20 49	0 6	19 34	0 32	4 43	2 34	23 32	0 10	7 5
F 27	23 21	12 53	0 40	20 48	2 37	18 31	1 58	20 57	0 5	19 31	0 33	4 43	2 34	23 32	0 10	7 6
S 28	23 18	18 11	0n34	20 37	2 48	18 9	1 57	21 5	0 5	19 27	0 33	4 44	2 33	23 32	0 10	7 6
S 29	23 16	22 40	1 47	20 28	2 57	17 47	1 56	21 13	0 4	19 24	0 33	4 44	2 33	23 32	0 10	7 6
M30	23 12	25 51	2 56	20 21	3 3	17 24	1 55	21 21	0 4	19 21	0 33	4 45	2 33	23 32	0 10	7 6
T 31	23s 9	27n18	3n55	20s16	3n 6	17s 0	1s53	21s28	0n 3	19s18	0s33	4n46	2s32	23n32	0n10	7s 7

Julian Day Number = 2493881.5, Delta T = 101.07 sec  
 Ecliptic obliquity = 23°25'33", Nutation = - 0°00'13", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 26°21'35", Lahiri = 25°28'36"