



# Astrodienst Ephemeris Tables for the year 1929

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 1929  
geocentric

JANUARY 1929

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 40 38	10♈ 6'01	19♍ 5	17♋ 59	23♈ 37	25°R36	0♈ 30	23♎ 42	3°Y38	1°R10	17°R27	29°R42	28♈ 16	14♎ 19	5°R31	T 1
W 2	6 44 34	11° 7'10	2♈ 4	19°37	24°47	25°II17	0°31	23°49	3°39	1°Y 9	17°R26	29°R39	28°13	14°25	5♈ 31	W 2
T 3	6 48 31	12° 8'19	14°39	21°15	25°57	24°57	0°33	23°56	3°40	1° 8	17°25	29°D39	28°10	14°32	5°30	T 3
F 4	6 52 27	13° 9'29	26°54	22°54	27° 6	24°39	0°34	24° 3	3°41	1° 7	17°23	29°40	28° 6	14°39	5°29	F 4
S 5	6 56 24	14°10'38	8♍ 54	24°32	28°16	24°21	0°36	24°10	3°42	1° 6	17°22	29°41	28° 3	14°45	5°28	S 5
S 6	7 0 20	15°11'48	20°45	26°10	29°25	24° 4	0°39	24°16	3°43	1° 5	17°21	29°43	28° 0	14°52	5°28	S 6
M 7	7 4 17	16°12'59	2♎ 32	27°49	0♈ 35	23°47	0°41	24°23	3°44	1° 4	17°19	29°R43	27°57	14°59	5°27	M 7
T 8	7 8 14	17°14'09	14°18	29°27	1°44	23°31	0°44	24°30	3°46	1° 3	17°18	29°42	27°54	15° 5	5°27	T 8
W 9	7 12 10	18°15'19	26° 7	1♈ 5	2°53	23°16	0°46	24°37	3°47	1° 2	17°17	29°38	27°51	15°12	5°26	W 9
T 10	7 16 7	19°16'29	8♋ 2	2°42	4° 1	23° 1	0°49	24°43	3°48	1° 1	17°16	29°32	27°47	15°19	5°26	T 10
F 11	7 20 3	20°17'39	20° 5	4°19	5°10	22°48	0°53	24°50	3°50	1° 0	17°14	29°24	27°44	15°25	5°26	F 11
S 12	7 24 0	21°18'48	2♎ 16	5°55	6°18	22°35	0°56	24°57	3°51	0°58	17°13	29°14	27°41	15°32	5°25	S 12
S 13	7 27 56	22°19'57	14°38	7°31	7°27	22°23	1° 0	25° 3	3°53	0°57	17°12	29° 3	27°38	15°38	5°25	S 13
M14	7 31 53	23°21'06	27°11	9° 5	8°35	22°12	1° 3	25°10	3°54	0°56	17°11	28°53	27°35	15°45	5°25	M14
T 15	7 35 50	24°22'14	9♈ 54	10°37	9°42	22° 1	1° 7	25°16	3°56	0°55	17° 9	28°44	27°31	15°52	5°25	T 15
W16	7 39 46	25°23'21	22°50	12° 8	10°50	21°52	1°11	25°23	3°58	0°53	17° 8	28°37	27°28	15°58	5°25	W16
T 17	7 43 43	26°24'27	6°Y 0	13°36	11°57	21°43	1°16	25°29	3°59	0°52	17° 7	28°33	27°25	16° 5	5°25	T 17
F 18	7 47 39	27°25'33	19°25	15° 1	13° 5	21°35	1°20	25°36	4° 1	0°51	17° 6	28°30	27°22	16°12	5°25	F 18
S 19	7 51 36	28°26'37	3♈ 6	16°24	14°12	21°28	1°25	25°42	4° 3	0°49	17° 4	28°D30	27°19	16°18	5°26	S 19
S 20	7 55 32	29°27'41	17° 5	17°42	15°18	21°21	1°30	25°48	4° 5	0°48	17° 3	28°31	27°16	16°25	5°26	S 20
M21	7 59 29	0♈ 28'44	1♈ 22	18°55	16°25	21°16	1°35	25°55	4° 7	0°47	17° 2	28°R31	27°12	16°32	5°26	M21
T 22	8 3 25	1°29'46	15°56	20° 3	17°31	21°11	1°40	26° 1	4° 9	0°45	17° 1	28°30	27° 9	16°38	5°27	T 22
W23	8 7 22	2°30'47	0♈ 42	21° 6	18°37	21° 7	1°46	26° 7	4°11	0°44	16°59	28°26	27° 6	16°45	5°27	W23
T 24	8 11 19	3°31'47	15°35	22° 1	19°43	21° 4	1°51	26°13	4°13	0°42	16°58	28°20	27° 3	16°52	5°27	T 24
F 25	8 15 15	4°32'46	0♈ 27	22°48	20°49	21° 2	1°57	26°19	4°15	0°41	16°57	28°11	27° 0	16°58	5°28	F 25
S 26	8 19 12	5°33'45	15° 9	23°27	21°54	21° 0	2° 3	26°25	4°17	0°40	16°56	28° 0	26°57	17° 5	5°29	S 26
S 27	8 23 8	6°34'42	29°32	23°56	22°59	20°59	2° 9	26°31	4°19	0°38	16°55	27°49	26°53	17°12	5°29	S 27
M28	8 27 5	7°35'39	13♈ 32	24°15	24° 3	20°D59	2°16	26°37	4°21	0°37	16°53	27°39	26°50	17°18	5°30	M28
T 29	8 31 1	8°36'34	27° 4	24°R23	25° 8	21° 0	2°22	26°43	4°23	0°35	16°52	27°30	26°47	17°25	5°31	T 29
W30	8 34 58	9°37'29	10♈ 9	24°20	26°12	21° 2	2°29	26°49	4°26	0°33	16°51	27°24	26°44	17°32	5°32	W30
T 31	8 38 54	10♈ 38'24	22♈ 49	24♈ 6	27♈ 15	21°II 4	2♈ 36	26♈ 55	4°Y28	0°Y32	16°R50	27♈ 20	26♈ 41	17♈ 38	5♈ 33	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	lat
T 1	23s 4	8n49	4n54	24s21	2s 8	15s17	1s44	26n47	3n25	10n30	1s13	22s 8	1n10	0n47	0s43	11n37	0n35	21n40	0s39	20n 6	19n47	23s57	12n13	1s13											
W 2	22 59	3 12	4 23	24 8	2 8	14 52	1 42	26 47	3 25	10 31	1 13	22 8	1 10	0 48	0 43	11 37	0 35	21 40	0 39	20 5	19 46	23 58	12 13	1 13											
T 3	22 54	2s23	3 40	23 53	2 9	14 26	1 39	26 47	3 26	10 32	1 13	22 9	1 10	0 48	0 42	11 37	0 35	21 40	0 39	20 5	19 46	24 0	12 12	1 13											
F 4	22 48	7 45	2 49	23 37	2 9	13 59	1 36	26 47	3 26	10 33	1 12	22 9	1 10	0 49	0 42	11 38	0 35	21 40	0 39	20 5	19 45	24 1	12 12	1 13											
S 5	22 42	12 44	1 51	23 19	2 8	13 33	1 34	26 46	3 27	10 34	1 12	22 9	1 10	0 49	0 42	11 38	0 35	21 41	0 39	20 6	19 44	24 3	12 12	1 13											
S 6	22 35	17 10	0 48	23 0	2 7	13 6	1 31	26 46	3 27	10 35	1 12	22 10	1 10	0 50	0 42	11 38	0 35	21 41	0 39	20 6	19 43	24 5	12 12	1 13											
M 7	22 28	20 56	0s15	22 39	2 5	12 38	1 28	26 45	3 27	10 36	1 11	22 10	1 10	0 50	0 42	11 39	0 35	21 41	0 39	20 6	19 43	24 6	12 11	1 13											
T 8	22 20	23 49	1 18	22 17	2 3	12 11	1 25	26 45	3 28	10 37	1 11	22 10	1 10	0 51	0 42	11 39	0 35	21 41	0 39	20 6	19 42	24 8	12 11	1 14											
W 9	22 12	25 41	2 18	21 53	2 0	11 43	1 21	26 44	3 28	10 38	1 11	22 10	1 10	0 51	0 42	11 40	0 35	21 42	0 39	20 5	19 41	24 9	12 11	1 14											
T 10	22 4	26 24	3 12	21 28	1 57	11 15	1 18	26 43	3 28	10 40	1 11	22 11	1 10	0 52	0 42	11 40	0 35	21 42	0 39	20 4	19 41	24 11	12 11	1 14											
F 11	21 55	25 51	3 57	21 1	1 53	10 47	1 14	26 42	3 27	10 41	1 10	22 11	1 10	0 53	0 42	11 40	0 35	21 42	0 39	20 2	19 40	24 13	12 11	1 14											
S 12	21 46	24 5	4 33	20 33	1 48	10 18	1 11	26 42	3 27	10 43	1 10	22 11	1 10	0 53	0 42	11 41	0 35	21 42	0 38	20 0	19 39	24 14	12 11	1 14											
S 13	21 36	21 10	4 56	20 4	1 43	9 49	1 7	26 41	3 27	10 44	1 10	22 12	1 10	0 54	0 42	11 41	0 35	21 42	0 38	19 57	19 38	24 16	12 11	1 14											
M14	21 26	17 14	5 5	19 33	1 37	9 20	1 3	26 40	3 27	10 46	1 9	22 12	1 10	0 55	0 42	11 42	0 35	21 43	0 38	19 55	19 38	24 17	12 11	1 14											
T 15	21 15	12 29	5 0	19 1	1 30	8 51	1 0	26 39	3 27	10 47	1 9	22 12	1 10	0 55	0 42	11 42	0 35	21 43	0 38	19 53	19 37	24 19	12 11	1 14											
W16	21 4	7 7	4 39	18 29	1 22	8 22	0 56	26 38	3 26	10 49	1 9	22 12	1 10	0 56	0 42	11 43	0 35	21 43	0 38	19 52	19 36	24 20	12 11	1 14											
T 17	20 53	1 20	4 3	17 55	1 13	7 52	0 51	26 37	3 26	10 51	1 8	22 12	1 10	0 57	0 42	11 43	0 35	21 43	0 38	19 51	19 36	24 22	12 11	1 14											
F 18	20 41	4n37	3 13	17 21	1 4	7 23	0 47	26 36	3 25	10 53	1 8	22 13	1 10	0 57	0 42	11 44	0 35	21 44	0 38	19 50	19 35	24 23	12 11	1 14											
S 19	20 29	10 29	2 12	16 47	0 54	6 53	0 43	26 35	3 25	10 55	1 8	22 13	1 10	0 58	0 42	11 44	0 35	21 44	0 38	19 50	19 34	24 25	12 11	1 14											
S 20	20 16	15 58	1 1	16 12	0 42	6 23	0 38	26 34	3 24	10 57	1 8	22 13	1 10	0 59	0 42	11 45	0 35	21 44	0 38	19 50	19 33	24 26	12 11	1 14											
M21	20 3	20 41	0n15	15 38	0 30	5 53	0 34	26 33	3 24	10 59	1 7	22 13	1 10	1 0	0 42	11 45	0 35	21 44	0 38	19 50	19 32	24 28	12 11	1 14											
T 22	19 50	24 13	1 32	15 4	0 17	5 23	0 29	26 32	3 23	11 1	1 7	22 13	1 10	1 1	0 42	11 46	0 35	21 44	0 38	19 50	19 32	24 29	12 11	1 14											
W23	19 36	26 10	2 43	14 31	0 3	4 53	0 24	26 31	3 22	11 3	1 7	22 14	1 10	1 1	0 42	11 46	0 35	21 45	0 38	19 49	19 31	24 31	12 11	1 14											
T 24	19 22	26 14	3 43	13 59	0n12	4 22	0 19	26 30	3 22	11 5	1 6	22 14	1 10	1 2	0 42	11 47	0 35	21 45	0 38	19 48	19 30	24 32	12 11	1 14											
F 25	19 8	24 26	4 28	13 29	0 28	3 52	0 14	26 29	3 21	11 7	1 6	22 14	1 10	1 3	0 42	11 47	0 36	21 45	0 38	19 46	19 30	24 34	12 12	1 14											
S 26	18 53	21 0	4 55	13 1	0 44	3 22	0 9	26 28	3 20	11 10	1 6	22 14	1 10	1 4	0 42	11 48	0 36	21 45	0 38	19 43	19 29	24 35	12 12	1 14											
S 27	18 38	16 21	5 2	12 35	1 1	2 51	0 4	26 27	3 19	11 12	1 6	22 14	1 10	1 5	0 42	11 48	0 36	21 46	0 38	19 41	19 28	24 37	12 12	1 14											
M28	18 23	10 57	4 51	12 13	1 19	2 21	0n 1	26 26	3 18	11 15	1 5	22 14	1 10	1 6	0 42	11 49	0 36	21 46	0 37	19 39	19 28	24 38	12 12	1 14											
T 29	18 7	5 12	4 24	11 53	1 36	1 50	0 6	26 26	3 17	11 17	1 5	22 15	1 10	1 7	0 42	11 50	0 36	21 46	0 37	19 37	19 27	24 40	12 12	1 14											
W30	17 51	0s36	3 43	11 38	1 54	1 20	0 12	26 25	3 17	11 20	1 5	22 15	1 10	1 8	0 42	11 50	0 36	21 46	0 37	19 35	19 26	24 41	12 13	1 14											
T 31	17s35	6s12	2n52	11s26	2n11	0s49	0n18	26n24	3n16	11n22	1s 4	22s15	1n10	1n 8	0s41	11n51	0n36	21n46	0s37	19n34	19n25	24s43	12n13	1s14											

# ASTRODIENST EPHEMERIS for the year 1929

## geocentric

FEBRUARY 1929

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 51	11 <sup>39</sup> 17	5 <sup>11</sup> 7	23 <sup>40</sup> R40	28 <sup>19</sup> X19	21 <sup>11</sup> 7	2 <sup>43</sup> 43	27 <sup>1</sup> 1	4 <sup>30</sup> 30	0 <sup>30</sup> 30	16 <sup>49</sup> 49	27 <sup>19</sup> 19	26 <sup>37</sup> 37	17 <sup>45</sup> 45	5 <sup>34</sup> 34	F 1
S 2	8 46 48	12 <sup>40</sup> 10	17 <sup>10</sup> 10	23 <sup>4</sup> 4	29 <sup>22</sup> 22	21 <sup>10</sup> 10	2 <sup>50</sup> 50	27 <sup>6</sup> 6	4 <sup>33</sup> 33	0 <sup>29</sup> 29	16 <sup>48</sup> 48	27 <sup>19</sup> 19	26 <sup>34</sup> 34	17 <sup>52</sup> 52	5 <sup>35</sup> 35	S 2
S 3	8 50 44	13 <sup>41</sup> 02	29 <sup>1</sup> 1	22 <sup>18</sup> 18	0 <sup>25</sup> 25	21 <sup>15</sup> 15	2 <sup>57</sup> 57	27 <sup>12</sup> 12	4 <sup>35</sup> 35	0 <sup>27</sup> 27	16 <sup>46</sup> 46	27 <sup>19</sup> 19	26 <sup>31</sup> 31	17 <sup>58</sup> 58	5 <sup>36</sup> 36	S 3
M 4	8 54 41	14 <sup>41</sup> 53	10 <sup>17</sup> 17	21 <sup>24</sup> 24	1 <sup>27</sup> 27	21 <sup>20</sup> 20	3 <sup>4</sup> 4	27 <sup>17</sup> 17	4 <sup>38</sup> 38	0 <sup>26</sup> 26	16 <sup>45</sup> 45	27 <sup>18</sup> 18	26 <sup>28</sup> 28	18 <sup>5</sup> 5	5 <sup>37</sup> 37	M 4
T 5	8 58 37	15 <sup>42</sup> 43	22 <sup>36</sup> 36	20 <sup>22</sup> 22	2 <sup>29</sup> 29	21 <sup>26</sup> 26	3 <sup>12</sup> 12	27 <sup>23</sup> 23	4 <sup>40</sup> 40	0 <sup>24</sup> 24	16 <sup>44</sup> 44	27 <sup>15</sup> 15	26 <sup>25</sup> 25	18 <sup>12</sup> 12	5 <sup>38</sup> 38	T 5
W 6	9 2 34	16 <sup>43</sup> 33	4 <sup>28</sup> 28	19 <sup>15</sup> 15	3 <sup>30</sup> 30	21 <sup>32</sup> 32	3 <sup>20</sup> 20	27 <sup>28</sup> 28	4 <sup>43</sup> 43	0 <sup>22</sup> 22	16 <sup>43</sup> 43	27 <sup>10</sup> 10	26 <sup>22</sup> 22	18 <sup>18</sup> 18	5 <sup>39</sup> 39	W 6
T 7	9 6 30	17 <sup>44</sup> 21	16 <sup>29</sup> 29	18 <sup>5</sup> 5	4 <sup>32</sup> 32	21 <sup>39</sup> 39	3 <sup>28</sup> 28	27 <sup>34</sup> 34	4 <sup>45</sup> 45	0 <sup>21</sup> 21	16 <sup>42</sup> 42	27 <sup>2</sup> 2	26 <sup>18</sup> 18	18 <sup>25</sup> 25	5 <sup>41</sup> 41	T 7
F 8	9 10 27	18 <sup>45</sup> 08	28 <sup>41</sup> 41	16 <sup>53</sup> 53	5 <sup>32</sup> 32	21 <sup>47</sup> 47	3 <sup>36</sup> 36	27 <sup>39</sup> 39	4 <sup>48</sup> 48	0 <sup>19</sup> 19	16 <sup>41</sup> 41	26 <sup>51</sup> 51	26 <sup>15</sup> 15	18 <sup>31</sup> 31	5 <sup>42</sup> 42	F 8
S 9	9 14 23	19 <sup>45</sup> 54	11 <sup>6</sup> 6	15 <sup>42</sup> 42	6 <sup>33</sup> 33	21 <sup>55</sup> 55	3 <sup>44</sup> 44	27 <sup>44</sup> 44	4 <sup>50</sup> 50	0 <sup>17</sup> 17	16 <sup>40</sup> 40	26 <sup>38</sup> 38	26 <sup>12</sup> 12	18 <sup>38</sup> 38	5 <sup>43</sup> 43	S 9
S 10	9 18 20	20 <sup>46</sup> 39	23 <sup>45</sup> 45	14 <sup>33</sup> 33	7 <sup>33</sup> 33	22 <sup>4</sup> 4	3 <sup>52</sup> 52	27 <sup>50</sup> 50	4 <sup>53</sup> 53	0 <sup>16</sup> 16	16 <sup>39</sup> 39	26 <sup>24</sup> 24	26 <sup>9</sup> 9	18 <sup>45</sup> 45	5 <sup>45</sup> 45	S 10
M 11	9 22 17	21 <sup>47</sup> 22	6 <sup>37</sup> 37	13 <sup>28</sup> 28	8 <sup>32</sup> 32	22 <sup>14</sup> 14	4 <sup>1</sup> 1	27 <sup>55</sup> 55	4 <sup>56</sup> 56	0 <sup>14</sup> 14	16 <sup>38</sup> 38	26 <sup>10</sup> 10	26 <sup>6</sup> 6	18 <sup>51</sup> 51	5 <sup>46</sup> 46	M 11
T 12	9 26 13	22 <sup>48</sup> 04	19 <sup>42</sup> 42	12 <sup>29</sup> 29	9 <sup>31</sup> 31	22 <sup>24</sup> 24	4 <sup>9</sup> 9	28 <sup>0</sup> 0	4 <sup>58</sup> 58	0 <sup>13</sup> 13	16 <sup>37</sup> 37	25 <sup>57</sup> 57	26 <sup>2</sup> 2	18 <sup>58</sup> 58	5 <sup>48</sup> 48	T 12
W 13	9 30 10	23 <sup>48</sup> 44	2 <sup>57</sup> 57	11 <sup>36</sup> 36	10 <sup>30</sup> 30	22 <sup>35</sup> 35	4 <sup>18</sup> 18	28 <sup>5</sup> 5	5 <sup>1</sup> 1	0 <sup>11</sup> 11	16 <sup>36</sup> 36	25 <sup>47</sup> 47	25 <sup>59</sup> 59	19 <sup>5</sup> 5	5 <sup>50</sup> 50	W 13
T 14	9 34 6	24 <sup>49</sup> 22	16 <sup>23</sup> 23	10 <sup>50</sup> 50	11 <sup>28</sup> 28	22 <sup>46</sup> 46	4 <sup>27</sup> 27	28 <sup>10</sup> 10	5 <sup>4</sup> 4	0 <sup>9</sup> 9	16 <sup>35</sup> 35	25 <sup>41</sup> 41	25 <sup>56</sup> 56	19 <sup>11</sup> 11	5 <sup>51</sup> 51	T 14
F 15	9 38 3	25 <sup>49</sup> 59	29 <sup>59</sup> 59	10 <sup>11</sup> 11	12 <sup>25</sup> 25	22 <sup>58</sup> 58	4 <sup>36</sup> 36	28 <sup>15</sup> 15	5 <sup>7</sup> 7	0 <sup>8</sup> 8	16 <sup>34</sup> 34	25 <sup>37</sup> 37	25 <sup>53</sup> 53	19 <sup>18</sup> 18	5 <sup>53</sup> 53	F 15
S 16	9 41 59	26 <sup>50</sup> 34	13 <sup>44</sup> 44	9 <sup>41</sup> 41	13 <sup>22</sup> 22	23 <sup>10</sup> 10	4 <sup>45</sup> 45	28 <sup>19</sup> 19	5 <sup>10</sup> 10	0 <sup>6</sup> 6	16 <sup>33</sup> 33	25 <sup>35</sup> 35	25 <sup>50</sup> 50	19 <sup>25</sup> 25	5 <sup>55</sup> 55	S 16
S 17	9 45 56	27 <sup>51</sup> 08	27 <sup>39</sup> 39	9 <sup>18</sup> 18	14 <sup>18</sup> 18	23 <sup>23</sup> 23	4 <sup>54</sup> 54	28 <sup>24</sup> 24	5 <sup>12</sup> 12	0 <sup>4</sup> 4	16 <sup>32</sup> 32	25 <sup>35</sup> 35	25 <sup>47</sup> 47	19 <sup>31</sup> 31	5 <sup>57</sup> 57	S 17
M 18	9 49 52	28 <sup>51</sup> 39	11 <sup>44</sup> 44	9 <sup>3</sup> 3	15 <sup>14</sup> 14	23 <sup>37</sup> 37	5 <sup>4</sup> 4	28 <sup>29</sup> 29	5 <sup>15</sup> 15	0 <sup>2</sup> 2	16 <sup>31</sup> 31	25 <sup>35</sup> 35	25 <sup>43</sup> 43	19 <sup>38</sup> 38	5 <sup>59</sup> 59	M 18
T 19	9 53 49	29 <sup>52</sup> 09	25 <sup>58</sup> 58	8 <sup>55</sup> 55	16 <sup>9</sup> 9	23 <sup>51</sup> 51	5 <sup>13</sup> 13	28 <sup>33</sup> 33	5 <sup>18</sup> 18	0 <sup>1</sup> 1	16 <sup>30</sup> 30	25 <sup>33</sup> 33	25 <sup>40</sup> 40	19 <sup>45</sup> 45	6 <sup>1</sup> 1	T 19
W 20	9 57 46	0 <sup>52</sup> 37	10 <sup>52</sup> 52	8 <sup>54</sup> 54	17 <sup>4</sup> 4	24 <sup>5</sup> 5	5 <sup>23</sup> 23	28 <sup>38</sup> 38	5 <sup>21</sup> 21	29 <sup>59</sup> 59	16 <sup>29</sup> 29	25 <sup>29</sup> 29	25 <sup>37</sup> 37	19 <sup>51</sup> 51	6 <sup>3</sup> 3	W 20
T 21	10 1 42	1 <sup>53</sup> 03	24 <sup>47</sup> 47	9 <sup>0</sup> 0	17 <sup>58</sup> 58	24 <sup>20</sup> 20	5 <sup>33</sup> 33	28 <sup>42</sup> 42	5 <sup>24</sup> 24	29 <sup>57</sup> 57	16 <sup>29</sup> 29	25 <sup>22</sup> 22	25 <sup>34</sup> 34	19 <sup>58</sup> 58	6 <sup>5</sup> 5	T 21
F 22	10 5 39	2 <sup>53</sup> 28	9 <sup>12</sup> 12	9 <sup>13</sup> 13	18 <sup>51</sup> 51	24 <sup>36</sup> 36	5 <sup>43</sup> 43	28 <sup>46</sup> 46	5 <sup>27</sup> 27	29 <sup>56</sup> 56	16 <sup>28</sup> 28	25 <sup>12</sup> 12	25 <sup>31</sup> 31	20 <sup>5</sup> 5	6 <sup>7</sup> 7	F 22
S 23	10 9 35	3 <sup>53</sup> 50	23 <sup>31</sup> 31	9 <sup>31</sup> 31	19 <sup>43</sup> 43	24 <sup>52</sup> 52	5 <sup>53</sup> 53	28 <sup>51</sup> 51	5 <sup>30</sup> 30	29 <sup>54</sup> 54	16 <sup>27</sup> 27	25 <sup>0</sup> 0	25 <sup>28</sup> 28	20 <sup>11</sup> 11	6 <sup>9</sup> 9	S 23
S 24	10 13 32	4 <sup>54</sup> 11	7 <sup>37</sup> 37	9 <sup>55</sup> 55	20 <sup>35</sup> 35	25 <sup>8</sup> 8	6 <sup>3</sup> 3	28 <sup>55</sup> 55	5 <sup>33</sup> 33	29 <sup>52</sup> 52	16 <sup>26</sup> 26	24 <sup>48</sup> 48	25 <sup>24</sup> 24	20 <sup>18</sup> 18	6 <sup>11</sup> 11	S 24
M 25	10 17 28	5 <sup>54</sup> 30	21 <sup>25</sup> 25	10 <sup>24</sup> 24	21 <sup>26</sup> 26	25 <sup>25</sup> 25	6 <sup>13</sup> 13	28 <sup>59</sup> 59	5 <sup>36</sup> 36	29 <sup>51</sup> 51	16 <sup>25</sup> 25	24 <sup>36</sup> 36	25 <sup>21</sup> 21	20 <sup>25</sup> 25	6 <sup>13</sup> 13	M 25
T 26	10 21 25	6 <sup>54</sup> 47	4 <sup>51</sup> 51	10 <sup>58</sup> 58	22 <sup>16</sup> 16	25 <sup>42</sup> 42	6 <sup>23</sup> 23	29 <sup>3</sup> 3	5 <sup>39</sup> 39	29 <sup>49</sup> 49	16 <sup>25</sup> 25	24 <sup>26</sup> 26	25 <sup>18</sup> 18	20 <sup>31</sup> 31	6 <sup>16</sup> 16	T 26
W 27	10 25 21	7 <sup>55</sup> 03	17 <sup>54</sup> 54	11 <sup>36</sup> 36	23 <sup>5</sup> 5	26 <sup>0</sup> 0	6 <sup>34</sup> 34	29 <sup>7</sup> 7	5 <sup>43</sup> 43	29 <sup>47</sup> 47	16 <sup>24</sup> 24	24 <sup>19</sup> 19	25 <sup>15</sup> 15	20 <sup>38</sup> 38	6 <sup>18</sup> 18	W 27
T 28	10 29 18	8 <sup>55</sup> 17	0 <sup>34</sup> 34	12 <sup>19</sup> 19	23 <sup>54</sup> 54	26 <sup>18</sup> 18	6 <sup>44</sup> 44	29 <sup>11</sup> 11	5 <sup>46</sup> 46	29 <sup>46</sup> 46	16 <sup>23</sup> 23	24 <sup>14</sup> 14	25 <sup>12</sup> 12	20 <sup>45</sup> 45	6 <sup>20</sup> 20	T 28

Day	☉	☾		♀		♀		♂		♂		♂	♂	♂	♂	♂	♂	♂	♂	♂	♂			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat			
F 1	17s18	11s26	1n55	11s19	2n28	0s19	0n23	26n23	3n15	11n25	1 s 4	22s15	1n10	1n 9	0s41	11n51	0n36	21n47	0s37	19n34	19n25	24s44	12n13	1s14
S 2	17 1	16 6	0 54	11 16	2 43	0n11	0 29	26 23	3 14	11 27	1 4	22 15	1 10	1 10	0 41	11 52	0 36	21 47	0 37	19 34	19 24	24 46	12 14	1 14
S 3	16 44	20 6	0s 9	11 17	2 58	0 42	0 35	26 22	3 13	11 30	1 4	22 15	1 10	1 11	0 41	11 52	0 36	21 47	0 37	19 34	19 23	24 47	12 14	1 14
M 4	16 26	23 15	1 11	11 22	3 10	1 12	0 41	26 21	3 12	11 33	1 3	22 15	1 10	1 12	0 41	11 53	0 36	21 47	0 37	19 34	19 22	24 48	12 14	1 14
T 5	16 8	25 24	2 10	11 31	3 21	1 42	0 47	26 21	3 11	11 36	1 3	22 15	1 10	1 13	0 41	11 54	0 36	21 47	0 37	19 33	19 22	24 50	12 15	1 14
W 6	15 50	26 26	3 3	11 44	3 30	2 12	0 53	26 20	3 10	11 39	1 3	22 15	1 10	1 14	0 41	11 54	0 36	21 48	0 37	19 32	19 21	24 51	12 15	1 14
T 7	15 31	26 13	3 49	11 59	3 36	2 42	0 59	26 20	3 9	11 42	1 3	22 16	1 10	1 15	0 41	11 55	0 36	21 48	0 37	19 30	19 20	24 53	12 16	1 14
F 8	15 13	24 45	4 25	12 17	3 40	3 12	1 6	26 19	3 8	11 45	1 2	22 16	1 10	1 17	0 41	11 55	0 36	21 48	0 37	19 28	19 19	24 54	12 16	1 14
S 9	14 54	22 5	4 49	12 36	3 42	3 42	1 12	26 19	3 7	11 48	1 2	22 16	1 10	1 18	0 41	11 56	0 36	21 48	0 37	19 25	19 19	24 55	12 17	1 14
S 10	14 34	18 19	4 59	12 57	3 41	4 12	1 19	26 18	3 6	11 51	1 2	22 16	1 10	1 19	0 41	11 57	0 36	21 48	0 37	19 21	19 18	24 57	12 17	1 14
M11	14 15	13 39	4 55	13 18	3 38	4 41	1 25	26 18	3 5	11 54	1 2	22 16	1 10	1 20	0 41	11 57	0 36	21 49	0 36	19 18	19 17	24 58	12 17	1 14
T 12	13 55	8 18	4 35	13 40	3 33	5 11	1 32	26 17	3 4	11 57	1 1	22 16	1 10	1 21	0 41	11 58	0 36	21 49	0 36	19 15	19 16	25 0	12 18	1 14
W13	13 35	2 30	4 0	14 1	3 26	5 40	1 39	26 17	3 2	12 0	1 1	22 16	1 10	1 22	0 41	11 58	0 36	21 49	0 36	19 13	19 16	25 1	12 19	1 14
T 14	13 15	3n30	3 11	14 22	3 17	6 9	1 45	26 16	3 1	12 3	1 1	22 16	1 10	1 23	0 41	11 59	0 36	21 49	0 36	19 11	19 15	25 2	12 19	1 14
F 15	12 55	9 26	2 11	14 41	3 8	6 38	1 52	26 16	3 0	12 6	1 1	22 16	1 10	1 24	0 41	12 0	0 36	21 49	0 36	19 10	19 14	25 4	12 20	1 14
S 16	12 34	14 59	1 2	14 59	2 57	7 7	1 59	26 15	2 59	12 10	1 0	22 16	1 10	1 25	0 41	12 0	0 36	21 50	0 36	19 10	19 13	25 5	12 20	1 14
S 17	12 13	19 49	0n11	15 16	2 46	7 35	2 6	26 15	2 58	12 13	1 0	22 16	1 10	1 27	0 41	12 1	0 36	21 50	0 36	19 10	19 13	25 6	12 21	1 14
M18	11 53	23 36	1 24	15 32	2 34	8 3	2 13	26 15	2 57	12 16	1 0	22 16	1 10	1 28	0 41	12 1	0 36	21 50	0 36	19 10	19 12	25 8	12 21	1 14
T 19	11 31	25 56	2 33	15 46	2 21	8 31	2 21	26 14	2 56	12 20	1 0	22 16	1 10	1 29	0 41	12 2	0 36	21 50	0 36	19 9	19 11	25 9	12 22	1 14
W20	11 10	26 35	3 33	15 59	2 8	8 59	2 28	26 14	2 55	12 23	0 59	22 16	1 10	1 30	0 41	12 3	0 36	21 50	0 36	19 8	19 10	25 10	12 23	1 14
T 21	10 49	25 26	4 19	16 9	1 55	9 26	2 35	26 13	2 54	12 27	0 59	22 16	1 10	1 31	0 41	12 3	0 36	21 51	0 36	19 7	19 10	25 12	12 23	1 14
F 22	10 27	22 36	4 49	16 19	1 42	9 53	2 42	26 13	2 53	12 30	0 59	22 16	1 11	1 32	0 41	12 4	0 36	21 51	0 36	19 4	19 9	25 13	12 24	1 14
S 23	10 5	18 24	5 0	16 26	1 30	10 20	2 50	26 13	2 52	12 34	0 59	22 16	1 11	1 34	0 41	12 4	0 36	21 51	0 36	19 2	19 8	25 14	12 25	1 14
S 24	9 43	13 15	4 53	16 32	1 17	10 47	2 57	26 12	2 51	12 37	0 59	22 16	1 11	1 35	0 41	12 5	0 36	21 51	0 36	18 59	19 7	25 16	12 26	1 14
M25	9 21	7 31	4 29	16 36	1 4	11 13	3 5	26 12	2 50	12 41	0 58	22 16	1 11	1 36	0 41	12 6	0 36	21 51	0 35	18 56	19 7	25 17	12 26	1 14
T 26	8 59	1 35	3 50	16 39	0 52	11 39	3 12	26 11	2 49	12 44	0 58	22 16	1 11	1 37	0 41	12 6	0 36	21 51	0 35	18 53	19 6	25 18	12 27	1 14
W27	8 36	4s15	3 0	16 40	0 40	12 4	3 20	26 11	2 48	12 48	0 58	22 16	1 11	1 39	0 41	12 7	0 36	21 52	0 35	18 51	19 5	25 19	12 28	1 14
T 28	8s14	9s47	2n 2	16s40	0n28	12n29	3n27	26n10	2n46	12n52	0s58	22s16	1n11	1n40	0s41	12n 7	0n36	21n52	0s35	18n50	19n 4	25s21	12n29	1s14

ASTRODIENST EPHEMERIS for the year 1929  
geocentric

MARCH 1929

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	10 33 14	9♈55'29	12♌55	13♊5	24♋42	26♌36	6♍55	29♎15	5♏49	29♐R44	16♑R22	24♒R12	25♓8	20♈51	6♉23	F 1
S 2	10 37 11	10°55'41	25° 0	13°54	25°28	26°55	7° 6	29°18	5°52	29♐R42	16♑R22	24♒D11	25° 5	20°58	6°25	S 2
S 3	10 41 8	11°55'50	6♊54	14°47	26°14	27°14	7°17	29°22	5°55	29°41	16°21	24♒R11	25° 2	21° 5	6°28	S 3
M 4	10 45 4	12°55'58	18°43	15°43	26°59	27°34	7°28	29°26	5°58	29°39	16°21	24♒R11	24°59	21°11	6°30	M 4
T 5	10 49 1	13°56'05	0♋32	16°42	27°43	27°54	7°39	29°29	6° 2	29°38	16°20	24°10	24°56	21°18	6°33	T 5
W 6	10 52 57	14°56'10	12°27	17°44	28°25	28°14	7°50	29°32	6° 5	29°36	16°19	24° 6	24°53	21°25	6°36	W 6
T 7	10 56 54	15°56'13	24°31	18°48	29° 7	28°35	8° 1	29°36	6° 8	29°34	16°19	24° 0	24°49	21°31	6°38	T 7
F 8	11 0 50	16°56'15	6♌50	19°54	29°48	28°56	8°13	29°39	6°11	29°33	16°18	23°52	24°46	21°38	6°41	F 8
S 9	11 4 47	17°56'15	19°26	21° 3	0♌27	29°17	8°24	29°42	6°15	29°31	16°18	23°41	24°43	21°45	6°44	S 9
S 10	11 8 43	18°56'13	2♋19	22°14	1° 5	29°39	8°36	29°45	6°18	29°30	16°17	23°29	24°40	21°51	6°47	S 10
M 11	11 12 40	19°56'09	15°30	23°26	1°42	0♌ 1	8°47	29°48	6°21	29°28	16°17	23°18	24°37	21°58	6°50	M 11
T 12	11 16 37	20°56'03	28°57	24°41	2°17	0°23	8°59	29°51	6°25	29°26	16°16	23° 8	24°34	22° 5	6°53	T 12
W 13	11 20 33	21°55'56	12♋37	25°57	2°52	0°46	9°11	29°53	6°28	29°25	16°16	22°59	24°30	22°11	6°55	W 13
T 14	11 24 30	22°55'46	26°28	27°15	3°24	1° 8	9°23	29°56	6°31	29°23	16°15	22°54	24°27	22°18	6°58	T 14
F 15	11 28 26	23°55'34	10♌27	28°35	3°55	1°32	9°35	29°59	6°35	29°22	16°15	22°51	24°24	22°25	7° 1	F 15
S 16	11 32 23	24°55'20	24°30	29°56	4°25	1°55	9°47	0♌ 1	6°38	29°20	16°15	22°D50	24°21	22°31	7° 4	S 16
S 17	11 36 19	25°55'04	8♌35	1♋19	4°53	2°19	9°59	0° 3	6°41	29°19	16°14	22°51	24°18	22°38	7° 8	S 17
M 18	11 40 16	26°54'45	22°42	2°43	5°19	2°43	10°11	0° 6	6°45	29°18	16°14	22°R52	24°14	22°45	7°11	M 18
T 19	11 44 12	27°54'24	6♌50	4° 9	5°44	3° 7	10°23	0° 8	6°48	29°16	16°14	22°51	24°11	22°51	7°14	T 19
W 20	11 48 9	28°54'01	20°56	5°37	6° 7	3°32	10°36	0°10	6°52	29°15	16°13	22°49	24° 8	22°58	7°17	W 20
T 21	11 52 6	29°53'36	5♌ 0	7° 5	6°28	3°57	10°48	0°12	6°55	29°13	16°13	22°45	24° 5	23° 5	7°20	T 21
F 22	11 56 2	0♋53'08	18°59	8°35	6°47	4°22	11° 1	0°14	6°58	29°12	16°13	22°38	24° 2	23°11	7°24	F 22
S 23	11 59 59	1°52'38	2♋49	10° 7	7° 4	4°47	11°13	0°16	7° 2	29°11	16°13	22°30	23°59	23°18	7°27	S 23
S 24	12 3 55	2°52'06	16°29	11°40	7°19	5°12	11°26	0°17	7° 5	29° 9	16°13	22°22	23°55	23°25	7°30	S 24
M 25	12 7 52	3°51'31	29°54	13°14	7°32	5°38	11°39	0°19	7° 9	29° 8	16°12	22°13	23°52	23°31	7°33	M 25
T 26	12 11 48	4°50'55	13♌ 2	14°50	7°43	6° 4	11°51	0°20	7°12	29° 7	16°12	22° 6	23°49	23°38	7°37	T 26
W 27	12 15 45	5°50'16	25°53	16°27	7°51	6°30	12° 4	0°22	7°16	29° 5	16°12	22° 1	23°46	23°44	7°40	W 27
T 28	12 19 41	6°49'36	8♌26	18° 5	7°57	6°57	12°17	0°23	7°19	29° 4	16°12	21°58	23°43	23°51	7°44	T 28
F 29	12 23 38	7°48'54	20°43	19°45	8° 1	7°23	12°30	0°24	7°22	29° 3	16°12	21°D57	23°39	23°58	7°47	F 29
S 30	12 27 35	8°48'10	2♋47	21°26	8°R 3	7°50	12°43	0°25	7°26	29° 2	16°D12	21°58	23°36	24° 4	7°50	S 30
S 31	12 31 31	9♋47'24	14♋42	23♋8	8♌ 2	8♌17	12♌56	0♌26	7♋29	29♌ 0	16♌12	21♌59	23♌33	24♌11	7♌54	S 31

Day	☉	☽		♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	7s51	14s47	0n59	16s38	0n17	12n54	3n35	26n10	2n45	12n55	0s57	22s16	1n11	1n41	0s41	12n 8	0n36	21n52	0s35	18n50	19n 4	25s22	12n29	1s14	
S 2	7 28	19 6	0s 4	16 34	0 6	13 19	3 43	26 9	2 44	12 59	0 57	22 16	1 11	1 42	0 41	12 8	0 36	21 52	0 35	18 50	19 3	25 23	12 30	1 14	
S 3	7 5	22 34	1 7	16 29	0s 5	13 43	3 51	26 9	2 43	13 3	0 57	22 16	1 11	1 44	0 41	12 9	0 36	21 52	0 35	18 50	19 2	25 24	12 31	1 14	
M 4	6 42	25 4	2 7	16 22	0 15	14 6	3 58	26 8	2 42	13 7	0 57	22 16	1 11	1 45	0 41	12 10	0 36	21 52	0 35	18 50	19 1	25 26	12 32	1 14	
T 5	6 19	26 28	3 1	16 14	0 25	14 29	4 6	26 7	2 41	13 10	0 57	22 16	1 11	1 46	0 41	12 10	0 36	21 52	0 35	18 49	19 0	25 27	12 33	1 14	
W 6	5 56	26 38	3 47	16 5	0 35	14 52	4 14	26 7	2 40	13 14	0 56	22 16	1 11	1 48	0 41	12 11	0 36	21 53	0 35	18 48	19 0	25 28	12 33	1 14	
T 7	5 33	25 33	4 24	15 54	0 44	15 14	4 21	26 6	2 39	13 18	0 56	22 16	1 11	1 49	0 41	12 11	0 36	21 53	0 35	18 47	18 59	25 29	12 34	1 14	
F 8	5 10	23 14	4 50	15 41	0 53	15 36	4 29	26 5	2 38	13 22	0 56	22 16	1 11	1 50	0 41	12 12	0 36	21 53	0 35	18 45	18 58	25 31	12 35	1 14	
S 9	4 46	19 46	5 2	15 27	1 1	15 57	4 37	26 4	2 37	13 26	0 56	22 16	1 11	1 52	0 41	12 12	0 36	21 53	0 35	18 42	18 57	25 32	12 36	1 14	
S 10	4 23	15 18	4 59	15 12	1 9	16 18	4 45	26 3	2 36	13 30	0 56	22 16	1 11	1 53	0 41	12 13	0 36	21 53	0 34	18 39	18 57	25 33	12 37	1 14	
M11	3 59	10 2	4 41	14 55	1 17	16 38	4 52	26 2	2 35	13 34	0 55	22 16	1 11	1 54	0 41	12 14	0 36	21 53	0 34	18 36	18 56	25 34	12 38	1 14	
T 12	3 36	4 11	4 6	14 37	1 24	16 58	5 0	26 1	2 34	13 37	0 55	22 16	1 11	1 56	0 41	12 14	0 36	21 53	0 34	18 34	18 55	25 35	12 39	1 14	
W13	3 12	1n58	3 17	14 18	1 31	17 17	5 8	26 0	2 33	13 41	0 55	22 16	1 11	1 57	0 41	12 15	0 36	21 54	0 34	18 32	18 54	25 37	12 40	1 14	
T 14	2 48	8 6	2 16	13 57	1 37	17 35	5 15	25 59	2 32	13 45	0 55	22 16	1 11	1 58	0 41	12 15	0 36	21 54	0 34	18 30	18 54	25 38	12 41	1 14	
F 15	2 25	13 55	1 6	13 35	1 43	17 53	5 23	25 58	2 31	13 49	0 55	22 16	1 11	2 0	0 41	12 16	0 36	21 54	0 34	18 30	18 53	25 39	12 42	1 14	
S 16	2 1	19 3	0n 9	13 12	1 49	18 10	5 30	25 56	2 30	13 53	0 55	22 16	1 11	2 1	0 41	12 16	0 36	21 54	0 34	18 29	18 52	25 40	12 43	1 14	
S 17	1 37	23 7	1 23	12 47	1 54	18 27	5 38	25 55	2 29	13 57	0 54	22 15	1 12	2 2	0 41	12 17	0 36	21 54	0 34	18 30	18 51	25 41	12 44	1 14	
M18	1 14	25 48	2 33	12 21	1 58	18 43	5 45	25 54	2 28	14 1	0 54	22 15	1 12	2 4	0 41	12 17	0 36	21 54	0 34	18 30	18 50	25 42	12 45	1 14	
T 19	0 50	26 49	3 33	11 54	2 3	18 58	5 52	25 52	2 27	14 5	0 54	22 15	1 12	2 5	0 41	12 18	0 36	21 54	0 34	18 30	18 50	25 44	12 46	1 14	
W20	0 26	26 6	4 21	11 25	2 6	19 12	5 59	25 50	2 26	14 9	0 54	22 15	1 12	2 6	0 40	12 18	0 36	21 54	0 34	18 29	18 49	25 45	12 47	1 14	
T 21	0 3	23 44	4 52	10 55	2 10	19 26	6 6	25 49	2 25	14 13	0 54	22 15	1 12	2 8	0 40	12 19	0 36	21 54	0 34	18 28	18 48	25 46	12 48	1 15	
F 22	0n21	19 59	5 6	10 24	2 13	19 39	6 13	25 47	2 24	14 17	0 54	22 15	1 12	2 9	0 40	12 19	0 36	21 55	0 34	18 26	18 47	25 47	12 49	1 15	
S 23	0 45	15 9	5 1	9 52	2 15	19 51	6 19	25 45	2 24	14 21	0 53	22 15	1 12	2 10	0 40	12 20	0 36	21 55	0 33	18 24	18 46	25 48	12 50	1 15	
S 24	1 8	9 38	4 40	9 18	2 17	20 2	6 26	25 43	2 23	14 25	0 53	22 15	1 12	2 12	0 40	12 20	0 36	21 55	0 33	18 22	18 46	25 49	12 51	1 15	
M25	1 32	3 46	4 3	8 44	2 19	20 12	6 32	25 41	2 22	14 30	0 53	22 15	1 12	2 13	0 40	12 21	0 36	21 55	0 33	18 20	18 45	25 50	12 52	1 15	
T 26	1 56	2s10	3 14	8 8	2 20	20 21	6 38	25 39	2 21	14 34	0 53	22 15	1 12	2 14	0 40	12 21	0 36	21 55	0 33	18 18	18 44	25 51	12 53	1 15	
W27	2 19	7 53	2 16	7 31	2 21	20 29	6 43	25 37	2 20	14 38	0 53	22 15	1 12	2 16	0 40	12 22	0 36	21 55	0 33	18 17	18 43	25 53	12 54	1 15	
T 28	2 43	13 10	1 13	6 53	2 21	20 36	6 49	25 35	2 19	14 42	0 53	22 15	1 12	2 17	0 40	12 22	0 36	21 55	0 33	18 16	18 43	25 54	12 55	1 15	
F 29	3 6	17 50	0 7	6 13	2 21	20 42	6 54	25 32	2 18	14 46	0 52	22 15	1 12	2 18	0 40	12 22	0 36	21 55	0 33	18 16	18 42	25 55	12 56	1 15	
S 30	3 29	21 41	0s58	5 33	2 20	20 47	6 58	25 30	2 17	14 50	0 52	22 15	1 12	2 20	0 40	12 23	0 36	21 55	0 33	18 16	18 41	25 56	12 57	1 15	
S 31	3n53	24s34	2s 0	4s51	2s19	20n50	7n 2	25n27	2n16	14n54	0s52	22s15	1n12	2n21	0s40	12n23	0n36	21n55	0s33	18n16	18n40	25s57	12n58	1s15	

Julian Day Number = 2425671.5, Delta T = 24.39 sec  
Ecliptic obliquity = 23°27'00, Nutation = - 0°00'13, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°45'03, Lahiri = 22°52'04

# ASTRODIENST EPHEMERIS for the year 1929

## geocentric

APRIL 1929

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 35 28	10°46'36	26°32	24°52	7°R58	8°544	13°8 9	0°327	7°Y33	28°R59	16°512	22°8 1	23°830	24°718	7°557	M 1
T 2	12 39 24	11°45'47	8°322	26°37	7°53	9°11	13°22	0°28	7°36	28°58	16°12	22°R 2	23°27	24°24	8° 1	T 2
W 3	12 43 21	12°44'56	20°18	28°24	7°44	9°39	13°36	0°29	7°39	28°57	16°12	22° 1	23°24	24°31	8° 5	W 3
T 4	12 47 17	13°44'03	2°23	0°Y12	7°34	10° 7	13°49	0°30	7°43	28°56	16°12	22° 0	23°20	24°38	8° 8	T 4
F 5	12 51 14	14°43'08	14°44	2° 2	7°20	10°35	14° 2	0°30	7°46	28°55	16°12	21°56	23°17	24°44	8°12	F 5
S 6	12 55 10	15°42'11	27°23	3°52	7° 5	11° 3	14°16	0°30	7°50	28°54	16°13	21°51	23°14	24°51	8°15	S 6
S 7	12 59 7	16°41'13	10°X24	5°45	6°47	11°31	14°29	0°31	7°53	28°53	16°13	21°46	23°11	24°58	8°19	S 7
M 8	13 3 4	17°40'12	23°46	7°39	6°26	11°59	14°43	0°31	7°57	28°52	16°13	21°40	23° 8	25° 4	8°23	M 8
T 9	13 7 0	18°39'10	7°Y30	9°34	6° 4	12°28	14°56	0°31	8° 0	28°51	16°13	21°35	23° 5	25°11	8°26	T 9
W10	13 10 57	19°38'06	21°32	11°31	5°39	12°57	15°10	0°R31	8° 3	28°50	16°13	21°31	23° 1	25°18	8°30	W10
T 11	13 14 53	20°37'00	5°B48	13°29	5°12	13°25	15°23	0°31	8° 7	28°49	16°14	21°28	22°58	25°24	8°34	T 11
F 12	13 18 50	21°35'51	20°13	15°28	4°43	13°55	15°37	0°31	8°10	28°48	16°14	21°D27	22°55	25°31	8°38	F 12
S 13	13 22 46	22°34'41	4°II42	17°29	4°13	14°24	15°50	0°31	8°13	28°47	16°14	21°28	22°52	25°38	8°41	S 13
S 14	13 26 43	23°33'29	19°10	19°31	3°40	14°53	16° 4	0°30	8°17	28°46	16°15	21°29	22°49	25°44	8°45	S 14
M15	13 30 39	24°32'14	3°532	21°35	3° 7	15°23	16°18	0°30	8°20	28°45	16°15	21°31	22°45	25°51	8°49	M15
T 16	13 34 36	25°30'57	17°47	23°39	2°32	15°52	16°32	0°29	8°23	28°45	16°15	21°32	22°42	25°58	8°53	T 16
W17	13 38 33	26°29'38	1°L51	25°45	1°56	16°22	16°46	0°28	8°27	28°44	16°16	21°R32	22°39	26° 4	8°56	W17
T 18	13 42 29	27°28'16	15°43	27°51	1°19	16°52	16°59	0°28	8°30	28°43	16°16	21°31	22°36	26°11	9° 0	T 18
F 19	13 46 26	28°26'52	29°23	29°58	0°41	17°22	17°13	0°27	8°33	28°43	16°17	21°29	22°33	26°18	9° 4	F 19
S 20	13 50 22	29°25'26	12°n50	2°B 5	0° 3	17°52	17°27	0°26	8°37	28°42	16°17	21°26	22°30	26°24	9° 8	S 20
S 21	13 54 19	0°B23'58	26° 4	4°13	29°Y25	18°22	17°41	0°25	8°40	28°41	16°18	21°23	22°26	26°31	9°12	S 21
M22	13 58 15	1°22'28	9°L 4	6°21	28°48	18°53	17°55	0°24	8°43	28°41	16°18	21°20	22°23	26°38	9°16	M22
T 23	14 2 12	2°20'55	21°50	8°29	28°10	19°23	18° 9	0°22	8°46	28°40	16°19	21°17	22°20	26°44	9°19	T 23
W24	14 6 8	3°19'21	4°n32	10°36	27°34	19°54	18°23	0°21	8°49	28°40	16°19	21°15	22°17	26°51	9°23	W24
T 25	14 10 5	4°17'45	16°43	12°42	26°58	20°25	18°37	0°20	8°53	28°39	16°20	21°D15	22°14	26°58	9°27	T 25
F 26	14 14 2	5°16'07	28°52	14°47	26°23	20°56	18°51	0°18	8°56	28°39	16°21	21°15	22°11	27° 5	9°31	F 26
S 27	14 17 58	6°14'28	10°X51	16°50	25°50	21°27	19° 5	0°17	8°59	28°38	16°21	21°15	22° 7	27°11	9°35	S 27
S 28	14 21 55	7°12'47	22°45	18°52	25°18	21°58	19°19	0°15	9° 2	28°38	16°22	21°17	22° 4	27°18	9°39	S 28
M29	14 25 51	8°11'04	4°B34	20°52	24°48	22°29	19°33	0°13	9° 5	28°37	16°23	21°18	22° 1	27°25	9°43	M29
T 30	14 29 48	9°B 9'20	16°B25	22°B49	24°Y20	23°5 0	19°B47	0°B11	9°Y 8	28°B37	16°B23	21°B19	21°B58	27°B31	9°B46	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	4n16	26s21	2s57	4s 8	2s17	20n53	7n 6	25n25	2n15	14n58	0s52	22s15	1n12	2n23	0s40	12n24	0n36	21n55	0s33	18n17	18n39	25s58	12n59	1s15			
T 2	4 39	26 56	3 45	3 24	2 15	20 54	7 10	25 22	2 14	15 2	0 52	22 15	1 12	2 24	0 40	12 24	0 36	21 55	0 33	18 17	18 39	25 59	13 0	1 15			
W 3	5 2	26 17	4 25	2 40	2 12	20 54	7 12	25 19	2 14	15 6	0 52	22 15	1 12	2 25	0 40	12 24	0 36	21 56	0 33	18 17	18 38	26 0	13 1	1 15			
T 4	5 25	24 23	4 53	1 54	2 9	20 53	7 15	25 16	2 13	15 10	0 52	22 15	1 12	2 27	0 40	12 25	0 36	21 56	0 33	18 16	18 37	26 1	13 2	1 15			
F 5	5 48	21 20	5 9	1 7	2 5	20 50	7 17	25 13	2 12	15 14	0 51	22 14	1 12	2 28	0 40	12 25	0 36	21 56	0 33	18 16	18 36	26 2	13 4	1 15			
S 6	6 11	17 13	5 10	0 19	2 1	20 46	7 18	25 10	2 11	15 18	0 51	22 14	1 13	2 29	0 40	12 26	0 36	21 56	0 32	18 14	18 35	26 3	13 5	1 15			
S 7	6 34	12 13	4 55	0n30	1 56	20 40	7 18	25 7	2 10	15 23	0 51	22 14	1 13	2 31	0 40	12 26	0 36	21 56	0 32	18 13	18 35	26 4	13 6	1 15			
M 8	6 56	6 31	4 24	1 20	1 51	20 33	7 18	25 3	2 9	15 27	0 51	22 14	1 13	2 32	0 40	12 26	0 36	21 56	0 32	18 11	18 34	26 5	13 7	1 15			
T 9	7 19	0 21	3 37	2 10	1 46	20 25	7 17	25 0	2 8	15 31	0 51	22 14	1 13	2 33	0 40	12 27	0 36	21 56	0 32	18 10	18 33	26 6	13 8	1 15			
W10	7 41	5n59	2 36	3 2	1 39	20 15	7 16	24 56	2 7	15 35	0 51	22 14	1 13	2 35	0 40	12 27	0 36	21 56	0 32	18 9	18 32	26 7	13 9	1 15			
T 11	8 3	12 8	1 25	3 54	1 33	20 4	7 14	24 52	2 7	15 39	0 51	22 14	1 13	2 36	0 40	12 27	0 36	21 56	0 32	18 8	18 31	26 8	13 10	1 15			
F 12	8 25	17 42	0 7	4 47	1 25	19 51	7 11	24 49	2 6	15 43	0 51	22 14	1 13	2 37	0 40	12 28	0 36	21 56	0 32	18 8	18 31	26 9	13 12	1 15			
S 13	8 47	22 16	1n12	5 40	1 18	19 37	7 7	24 45	2 5	15 47	0 50	22 14	1 13	2 39	0 40	12 28	0 36	21 56	0 32	18 8	18 30	26 10	13 13	1 16			
S 14	9 9	25 26	2 26	6 34	1 10	19 21	7 2	24 41	2 4	15 51	0 50	22 14	1 13	2 40	0 40	12 28	0 36	21 56	0 32	18 9	18 29	26 11	13 14	1 16			
M15	9 31	26 55	3 31	7 28	1 1	19 4	6 57	24 36	2 3	15 55	0 50	22 14	1 13	2 41	0 40	12 28	0 36	21 56	0 32	18 9	18 28	26 12	13 15	1 16			
T 16	9 52	26 35	4 22	8 23	0 52	18 46	6 50	24 32	2 3	15 59	0 50	22 14	1 13	2 43	0 40	12 29	0 36	21 56	0 32	18 9	18 27	26 13	13 16	1 16			
W17	10 14	24 34	4 56	9 18	0 42	18 27	6 43	24 28	2 2	16 3	0 50	22 14	1 13	2 44	0 40	12 29	0 36	21 56	0 32	18 9	18 27	26 14	13 17	1 16			
T 18	10 35	21 6	5 13	10 12	0 33	18 6	6 36	24 23	2 1	16 7	0 50	22 14	1 13	2 45	0 40	12 29	0 36	21 56	0 32	18 9	18 26	26 15	13 18	1 16			
F 19	10 56	16 33	5 11	11 7	0 23	17 45	6 27	24 18	2 0	16 11	0 50	22 14	1 13	2 46	0 40	12 29	0 36	21 56	0 31	18 8	18 25	26 16	13 20	1 16			
S 20	11 16	11 15	4 53	12 1	0 12	17 23	6 18	24 14	1 59	16 15	0 50	22 14	1 13	2 48	0 40	12 30	0 36	21 56	0 31	18 8	18 24	26 17	13 21	1 16			
S 21	11 37	5 31	4 19	12 54	0 2	17 0	6 7	24 9	1 58	16 19	0 49	22 14	1 13	2 49	0 40	12 30	0 36	21 56	0 31	18 7	18 23	26 18	13 22	1 16			
M22	11 57	0s21	3 32	13 47	0n 9	16 36	5 57	24 4	1 58	16 23	0 49	22 14	1 13	2 50	0 41	12 30	0 36	21 56	0 31	18 6	18 23	26 19	13 23	1 16			
T 23	12 18	6 7	2 35	14 39	0 20	16 12	5 45	23 59	1 57	16 27	0 49	22 14	1 13	2 51	0 41	12 30	0 36	21 56	0 31	18 5	18 22	26 20	13 24	1 16			
W24	12 38	11 33	1 32	15 30	0 31	15 47	5 33	23 53	1 56	16 31	0 49	22 14	1 13	2 53	0 41	12 30	0 36	21 56	0 31	18 5	18 21	26 21	13 25	1 16			
T 25	12 57	16 26	0 25	16 19	0 41	15 23	5 21	23 48	1 55	16 35	0 49	22 14	1 13	2 54	0 41	12 31	0 36	21 56	0 31	18 5	18 20	26 22	13 26	1 16			
F 26	13 17	20 36	0s42	17 6	0 52	14 58	5 8	23 42	1 55	16 39	0 49	22 14	1 13	2 55	0 41	12 31	0 36	21 56	0 31	18 5	18 19	26 23	13 28	1 16			
S 27	13 36	23 50	1 46	17 52	1 2	14 33	4 55	23 37	1 54	16 43	0 49	22 14	1 13	2 56	0 41	12 31	0 36	21 56	0 31	18 5	18 18	26 24	13 29	1 16			
S 28	13 56	26 0	2 46	18 36	1 12	14 9	4 41	23 31	1 53	16 47	0 49	22 14	1 13	2 58	0 41	12 31	0 36	21 56	0 31	18 5	18 18	26 24	13 30	1 16			
M29	14 14	27 0	3 38	19 18	1 22	13 45	4 27	23 25	1 52	16 51	0 49	22 14	1 13	2 59	0 41	12 31	0 36	21 56	0 31	18 6	18 17	26 25	13 31	1 17			
T 30	14n33	26s45	4s20	19n58	1n31	13n21	4n13	23n19	1n51	16n55	0s49	22s13	1n14	3n 0	0s41	12n31	0n36	21n56	0s31	18n 6	18n16	26s25	13n32	1s17			

# ASTRODIENST EPHEMERIS for the year 1929

## geocentric

MAY 1929

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 33 44	10♈ 7'34	28♌21	24♈44	23°R54	23♌32	20♈ 1	0°R 9	9♏11	28°R37	16♌24	21♈20	21♈55	27♌38	9♈50	W 1
T 2	14 37 41	11° 5'47	10♌26	26°36	23°Y30	24° 3	20°16	0°3 7	9°14	28°R36	16°25	21°R20	21°51	27°45	9°54	T 2
F 3	14 41 37	12° 3'58	22°45	28°25	23° 8	24°35	20°30	0° 5	9°17	28°36	16°26	21°20	21°48	27°51	9°58	F 3
S 4	14 45 34	13° 2'07	5♌23	0♏11	22°49	25° 7	20°44	0° 3	9°20	28°36	16°26	21°19	21°45	27°58	10° 2	S 4
S 5	14 49 31	14° 0'16	18°23	1°53	22°31	25°38	20°58	0° 0	9°23	28°36	16°27	21°19	21°42	28° 5	10° 6	S 5
M 6	14 53 27	14°58'22	1°Y47	3°32	22°17	26°10	21°12	29°58	9°26	28°36	16°28	21°18	21°39	28°11	10°10	M 6
T 7	14 57 24	15°56'28	15°36	5° 7	22° 4	26°42	21°26	29°56	9°29	28°36	16°29	21°17	21°36	28°18	10°14	T 7
W 8	15 1 20	16°54'32	29°49	6°38	21°54	27°15	21°41	29°53	9°32	28°35	16°30	21°17	21°32	28°25	10°17	W 8
T 9	15 5 17	17°52'34	14♌22	8° 6	21°47	27°47	21°55	29°50	9°35	28°35	16°31	21°D16	21°29	28°31	10°21	T 9
F 10	15 9 13	18°50'35	29° 9	9°30	21°42	28°19	22° 9	29°48	9°38	28°D35	16°32	21°16	21°26	28°38	10°25	F 10
S 11	15 13 10	19°48'34	14♏ 3	10°50	21°39	28°51	22°23	29°45	9°41	28°35	16°32	21°17	21°23	28°45	10°29	S 11
S 12	15 17 6	20°46'32	28°56	12° 6	21°D39	29°24	22°38	29°42	9°43	28°35	16°33	21°17	21°20	28°51	10°33	S 12
M13	15 21 3	21°44'28	13♌40	13°18	21°41	29°57	22°52	29°39	9°46	28°36	16°34	21°R17	21°17	28°58	10°37	M13
T 14	15 25 0	22°42'22	28°11	14°25	21°45	0♏29	23° 6	29°36	9°49	28°36	16°35	21°17	21°13	29° 5	10°41	T 14
W15	15 28 56	23°40'14	12♏23	15°29	21°52	1° 2	23°20	29°33	9°52	28°36	16°36	21°16	21°10	29°11	10°44	W15
T 16	15 32 53	24°38'04	26°16	16°28	22° 1	1°35	23°34	29°30	9°54	28°36	16°37	21°D16	21° 7	29°18	10°48	T 16
F 17	15 36 49	25°35'53	9♏49	17°23	22°11	2° 8	23°49	29°26	9°57	28°36	16°38	21°16	21° 4	29°25	10°52	F 17
S 18	15 40 46	26°33'40	23° 2	18°14	22°24	2°41	24° 3	29°23	10° 0	28°36	16°40	21°17	21° 1	29°31	10°56	S 18
S 19	15 44 42	27°31'25	5♌58	19° 0	22°39	3°14	24°17	29°20	10° 2	28°37	16°41	21°17	20°57	29°38	10°59	S 19
M20	15 48 39	28°29'09	18°38	19°41	22°56	3°47	24°31	29°16	10° 5	28°37	16°42	21°18	20°54	29°45	11° 3	M20
T 21	15 52 35	29°26'51	1♏ 5	20°18	23°15	4°20	24°45	29°13	10° 7	28°37	16°43	21°19	20°51	29°51	11° 7	T 21
W22	15 56 32	0♏24'32	13°21	20°51	23°35	4°53	25° 0	29° 9	10°10	28°38	16°44	21°19	20°48	29°58	11°11	W22
T 23	16 0 29	1°22'11	25°28	21°19	23°58	5°27	25°14	29° 6	10°12	28°38	16°45	21°R19	20°45	0°3 5	11°14	T 23
F 24	16 4 25	2°19'49	7♌27	21°42	24°22	6° 0	25°28	29° 2	10°14	28°39	16°46	21°19	20°42	0°11	11°18	F 24
S 25	16 8 22	3°17'26	19°21	22° 0	24°48	6°34	25°42	28°58	10°17	28°39	16°47	21°18	20°38	0°18	11°22	S 25
S 26	16 12 18	4°15'02	1♌12	22°13	25°15	7° 7	25°56	28°55	10°19	28°40	16°49	21°16	20°35	0°25	11°25	S 26
M27	16 16 15	5°12'37	13° 2	22°22	25°44	7°41	26°10	28°51	10°21	28°40	16°50	21°14	20°32	0°31	11°29	M27
T 28	16 20 11	6°10'11	24°54	22°R26	26°14	8°15	26°24	28°47	10°24	28°41	16°51	21°12	20°29	0°38	11°33	T 28
W29	16 24 8	7° 7'43	6♌50	22°26	26°46	8°48	26°38	28°43	10°26	28°41	16°52	21°10	20°26	0°45	11°36	W29
T 30	16 28 4	8° 5'15	18°56	22°21	27°19	9°22	26°52	28°39	10°28	28°42	16°54	21° 8	20°23	0°51	11°40	T 30
F 31	16 32 1	9♏ 2'46	1♏14	22♏11	27°Y53	9♏56	27♌ 6	28°35	10°Y30	28♏43	16°55	21♌ 7	20♌19	0°58	11♌43	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	14n52	25s16	4s52	20n35	1n40	12n58	3n59	23n13	1n51	16n59	0s48	22s13	1n14	3n 1	0s41	12n31
T 2	15 10	22 37	5 11	21 10	1 48	12 36	3 44	23 7	1 50	17 2	0 48	22 13	1 14	3 2	0 41	12 31
F 3	15 28	18 55	5 17	21 42	1 56	12 15	3 30	23 0	1 49	17 6	0 48	22 13	1 14	3 4	0 41	12 32
S 4	15 45	14 18	5 8	22 12	2 3	11 54	3 16	22 54	1 48	17 10	0 48	22 13	1 14	3 5	0 41	12 32
S 5	16 3	8 56	4 42	22 39	2 9	11 34	3 1	22 47	1 48	17 14	0 48	22 13	1 14	3 6	0 41	12 32
M 6	16 20	2 59	4 1	23 4	2 14	11 15	2 47	22 41	1 47	17 18	0 48	22 13	1 14	3 7	0 41	12 32
T 7	16 37	3n18	3 5	23 26	2 19	10 58	2 33	22 34	1 46	17 22	0 48	22 13	1 14	3 8	0 41	12 32
W 8	16 54	9 36	1 56	23 46	2 23	10 41	2 19	22 27	1 46	17 25	0 48	22 13	1 14	3 9	0 41	12 32
T 9	17 10	15 33	0 38	24 4	2 26	10 26	2 5	22 20	1 45	17 29	0 48	22 13	1 14	3 10	0 41	12 32
F 10	17 26	20 41	0n44	24 19	2 28	10 11	1 52	22 12	1 44	17 33	0 48	22 13	1 14	3 12	0 41	12 32
S 11	17 42	24 32	2 3	24 32	2 29	9 58	1 39	22 5	1 43	17 36	0 48	22 13	1 14	3 13	0 41	12 32
S 12	17 57	26 41	3 14	24 43	2 29	9 46	1 26	21 57	1 43	17 40	0 48	22 13	1 14	3 14	0 41	12 32
M13	18 13	26 55	4 12	24 51	2 28	9 35	1 13	21 50	1 42	17 44	0 47	22 13	1 14	3 15	0 41	12 32
T 14	18 27	25 18	4 52	24 58	2 27	9 25	1 1	21 42	1 41	17 47	0 47	22 13	1 14	3 16	0 41	12 32
W15	18 42	22 6	5 14	25 3	2 24	9 16	0 49	21 34	1 40	17 51	0 47	22 13	1 14	3 17	0 41	12 32
T 16	18 56	17 43	5 16	25 5	2 20	9 9	0 37	21 26	1 40	17 55	0 47	22 13	1 14	3 18	0 41	12 31
F 17	19 10	12 32	5 1	25 6	2 16	9 2	0 25	21 18	1 39	17 58	0 47	22 13	1 14	3 19	0 41	12 31
S 18	19 24	6 54	4 30	25 5	2 10	8 57	0 14	21 10	1 38	18 2	0 47	22 13	1 14	3 20	0 41	12 31
S 19	19 37	1 5	3 46	25 3	2 4	8 52	0 4	21 2	1 38	18 5	0 47	22 13	1 14	3 21	0 41	12 31
M20	19 50	4s40	2 52	24 59	1 56	8 49	0s 7	20 53	1 37	18 9	0 47	22 13	1 14	3 22	0 41	12 31
T 21	20 2	10 8	1 50	24 53	1 48	8 47	0 17	20 44	1 36	18 12	0 47	22 13	1 14	3 23	0 41	12 31
W22	20 15	15 9	0 44	24 46	1 39	8 45	0 26	20 36	1 36	18 16	0 47	22 13	1 14	3 24	0 41	12 31
T 23	20 27	19 30	0s23	24 38	1 28	8 45	0 36	20 27	1 35	18 19	0 47	22 13	1 14	3 25	0 41	12 31
F 24	20 38	23 1	1 28	24 28	1 17	8 45	0 45	20 18	1 34	18 23	0 47	22 13	1 14	3 26	0 41	12 30
S 25	20 49	25 30	2 29	24 17	1 5	8 47	0 53	20 9	1 33	18 26	0 47	22 13	1 14	3 27	0 41	12 30
S 26	21 0	26 50	3 23	24 5	0 52	8 49	1 2	20 0	1 33	18 30	0 47	22 13	1 14	3 28	0 41	12 30
M27	21 11	26 56	4 8	23 52	0 38	8 52	1 10	19 50	1 32	18 33	0 47	22 13	1 14	3 28	0 41	12 30
T 28	21 21	25 48	4 43	23 37	0 23	8 56	1 18	19 41	1 31	18 36	0 47	22 13	1 14	3 29	0 41	12 30
W29	21 31	23 30	5 6	23 22	0 8	9 0	1 25	19 31	1 31	18 40	0 46	22 13	1 14	3 30	0 41	12 30
T 30	21 40	20 9	5 15	23 6	0s 8	9 5	1 32	19 22	1 30	18 43	0 46	22 13	1 14	3 31	0 41	12 29
F 31	21n49	15s53	5s11	22n49	0s25	9n11	1s39	19n12	1n29	18n46	0s46	22s13	1n14	3n32	0s41	12n29

Julian Day Number = 2425732.5, Delta T = 24.40 sec  
 Ecliptic obliquity = 23°27'00, Nutation = - 0°00'14, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 23°45'12, Lahiri = 22°52'12



## ASTRODIENST EPHEMERIS for the year 1929

geocentric

JUNE 1929

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 35 58	10 <sup>II</sup> 0'16	13 <sup>II</sup> 48	21°R58	28°V29	10 <sup>II</sup> 30	27 <sup>II</sup> 20	28°R31	10°V32	28 <sup>II</sup> 43	16 <sup>II</sup> 56	21°D 7	20 <sup>II</sup> 16	1 <sup>II</sup> 5	11 <sup>II</sup> 47	S 1
S 2	16 39 54	10°57'46	26°44	21 <sup>II</sup> 41	29° 6	11° 4	27°34	28 <sup>II</sup> 27	10°35	28°44	16°57	21 <sup>II</sup> 8	20°13	1°11	11°50	S 2
M 3	16 43 51	11°55'14	10°V 3	21°20	29°44	11°38	27°48	28°23	10°37	28°45	16°59	21° 9	20°10	1°18	11°54	M 3
T 4	16 47 47	12°52'42	23°48	20°55	0 <sup>II</sup> 23	12°12	28° 2	28°19	10°39	28°46	17° 0	21°10	20° 7	1°25	11°57	T 4
W 5	16 51 44	13°50'10	8 <sup>II</sup> 0	20°28	1° 4	12°47	28°16	28°14	10°41	28°46	17° 1	21°12	20° 3	1°32	12° 1	W 5
T 6	16 55 40	14°47'36	22°36	19°59	1°45	13°21	28°30	28°10	10°42	28°47	17° 3	21°R12	20° 0	1°38	12° 4	T 6
F 7	16 59 37	15°45'02	7 <sup>II</sup> 32	19°28	2°27	13°55	28°44	28° 6	10°44	28°48	17° 4	21°11	19°57	1°45	12° 8	F 7
S 8	17 3 33	16°42'27	22°40	18°55	3°11	14°30	28°58	28° 2	10°46	28°49	17° 5	21° 9	19°54	1°52	12°11	S 8
S 9	17 7 30	17°39'52	7 <sup>II</sup> 51	18°22	3°55	15° 4	29°12	27°57	10°48	28°50	17° 7	21° 6	19°51	1°58	12°14	S 9
M10	17 11 27	18°37'15	22°55	17°48	4°40	15°39	29°26	27°53	10°50	28°51	17° 8	21° 3	19°48	2° 5	12°18	M10
T 11	17 15 23	19°34'38	7 <sup>II</sup> 44	17°15	5°26	16°13	29°39	27°49	10°52	28°52	17°10	20°59	19°44	2°12	12°21	T 11
W12	17 19 20	20°31'59	22°10	16°43	6°12	16°48	29°53	27°44	10°53	28°53	17°11	20°56	19°41	2°18	12°24	W12
T 13	17 23 16	21°29'19	6 <sup>II</sup> 10	16°12	7° 0	17°23	0 <sup>II</sup> 7	27°40	10°55	28°54	17°12	20°54	19°38	2°25	12°28	T 13
F 14	17 27 13	22°26'39	19°45	15°43	7°48	17°58	0°20	27°35	10°56	28°55	17°14	20°D53	19°35	2°32	12°31	F 14
S 15	17 31 9	23°23'57	2 <sup>II</sup> 54	15°17	8°37	18°33	0°34	27°31	10°58	28°56	17°15	20°53	19°32	2°38	12°34	S 15
S 16	17 35 6	24°21'15	15°42	14°53	9°27	19° 7	0°47	27°27	10°59	28°57	17°17	20°54	19°29	2°45	12°37	S 16
M17	17 39 2	25°18'31	28°11	14°33	10°17	19°42	1° 1	27°22	11° 1	28°59	17°18	20°56	19°25	2°52	12°40	M17
T 18	17 42 59	26°15'47	10 <sup>II</sup> 26	14°17	11° 8	20°17	1°14	27°18	11° 2	29° 0	17°20	20°57	19°22	2°58	12°43	T 18
W19	17 46 56	27°13'02	22°30	14° 4	12° 0	20°52	1°28	27°13	11° 4	29° 1	17°21	20°R58	19°19	3° 5	12°46	W19
T 20	17 50 52	28°10'17	4 <sup>II</sup> 27	13°56	12°52	21°28	1°41	27° 9	11° 5	29° 2	17°23	20°57	19°16	3°12	12°49	T 20
F 21	17 54 49	29° 7'31	16°19	13°D52	13°45	22° 3	1°55	27° 4	11° 6	29° 4	17°24	20°54	19°13	3°18	12°52	F 21
S 22	17 58 45	0 <sup>II</sup> 4'45	28° 9	13°53	14°38	22°38	2° 8	27° 0	11° 7	29° 5	17°26	20°50	19° 9	3°25	12°55	S 22
S 23	18 2 42	1° 1'58	9 <sup>II</sup> 59	13°58	15°32	23°13	2°21	26°56	11° 9	29° 6	17°27	20°44	19° 6	3°32	12°58	S 23
M24	18 6 38	1°59'11	21°51	14° 8	16°26	23°49	2°34	26°51	11°10	29° 8	17°29	20°36	19° 3	3°38	13° 1	M24
T 25	18 10 35	2°56'24	3 <sup>II</sup> 47	14°23	17°21	24°24	2°48	26°47	11°11	29° 9	17°30	20°29	19° 0	3°45	13° 4	T 25
W26	18 14 32	3°53'36	15°49	14°43	18°17	24°59	3° 1	26°42	11°12	29°10	17°32	20°21	18°57	3°52	13° 6	W26
T 27	18 18 28	4°50'48	27°58	15° 7	19°13	25°35	3°14	26°38	11°13	29°12	17°33	20°15	18°54	3°59	13° 9	T 27
F 28	18 22 25	5°48'01	10 <sup>II</sup> 18	15°36	20° 9	26°11	3°27	26°34	11°14	29°13	17°35	20°10	18°50	4° 5	13°12	F 28
S 29	18 26 21	6°45'13	22°53	16°10	21° 6	26°46	3°40	26°29	11°15	29°15	17°36	20° 7	18°47	4°12	13°15	S 29
S 30	18 30 18	7°42'25	5°V45	16 <sup>II</sup> 48	22 <sup>II</sup> 3	27°D22	3 <sup>II</sup> 53	26 <sup>II</sup> 25	11°V16	29°D16	17°38	20°D 6	18 <sup>II</sup> 44	4°19	13 <sup>II</sup> 17	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
S 1	21n58	10s51	4s51	22n31	0s41	9n18	1s45	19n 2	1n29	18n49	0s46	22s13	1n13	3n33	0s41	12n29	0n36	21n54	0s28	18n 3	17n49	26s49	14n 7	1s20	
S 2	22 6	5 14	4 17	22 13	0 59	9 25	1 52	18 52	1 28	18 53	0 46	22 13	1 13	3 33	0 41	12 29	0 36	21 54	0 28	18 3	17 48	26 49	14 8	1 20	
M 3	22 14	0n48	3 28	21 54	1 16	9 33	1 58	18 42	1 27	18 56	0 46	22 13	1 13	3 34	0 41	12 28	0 36	21 54	0 28	18 3	17 48	26 50	14 9	1 20	
T 4	22 21	6 59	2 25	21 35	1 33	9 41	2 3	18 32	1 27	18 59	0 46	22 13	1 13	3 35	0 41	12 28	0 36	21 54	0 28	18 4	17 47	26 51	14 10	1 20	
W 5	22 28	13 3	1 12	21 16	1 51	9 50	2 9	18 21	1 26	19 2	0 46	22 13	1 13	3 36	0 41	12 28	0 36	21 54	0 28	18 4	17 46	26 51	14 11	1 20	
T 6	22 35	18 33	0n 8	20 57	2 8	10 0	2 14	18 11	1 25	19 5	0 46	22 13	1 13	3 36	0 41	12 27	0 36	21 54	0 28	18 4	17 45	26 52	14 12	1 20	
F 7	22 41	23 2	1 29	20 38	2 24	10 10	2 19	18 0	1 25	19 8	0 46	22 13	1 13	3 37	0 41	12 27	0 36	21 54	0 28	18 4	17 44	26 52	14 12	1 20	
S 8	22 47	25 59	2 44	20 20	2 40	10 20	2 23	17 50	1 24	19 11	0 46	22 13	1 13	3 38	0 41	12 27	0 36	21 54	0 28	18 3	17 43	26 53	14 13	1 20	
S 9	22 53	27 1	3 49	20 2	2 55	10 31	2 28	17 39	1 23	19 14	0 46	22 13	1 13	3 38	0 41	12 26	0 36	21 54	0 28	18 3	17 42	26 53	14 14	1 21	
M10	22 58	26 3	4 37	19 44	3 10	10 42	2 32	17 28	1 23	19 17	0 46	22 13	1 13	3 39	0 41	12 26	0 36	21 53	0 28	18 2	17 42	26 54	14 15	1 21	
T 11	23 2	23 15	5 5	19 28	3 23	10 54	2 36	17 17	1 22	19 20	0 46	22 13	1 13	3 40	0 41	12 26	0 35	21 53	0 28	18 1	17 41	26 55	14 16	1 21	
W12	23 7	19 4	5 13	19 13	3 35	11 5	2 39	17 6	1 21	19 23	0 46	22 13	1 13	3 40	0 42	12 25	0 35	21 53	0 28	18 0	17 40	26 55	14 17	1 21	
T 13	23 11	13 56	5 2	18 59	3 47	11 18	2 43	16 55	1 21	19 26	0 46	22 13	1 13	3 41	0 42	12 25	0 35	21 53	0 28	17 59	17 39	26 56	14 18	1 21	
F 14	23 14	8 16	4 35	18 46	3 56	11 30	2 46	16 43	1 20	19 29	0 46	22 13	1 13	3 42	0 42	12 25	0 35	21 53	0 28	17 59	17 38	26 56	14 19	1 21	
S 15	23 17	2 24	3 53	18 35	4 5	11 43	2 49	16 32	1 19	19 32	0 46	22 13	1 13	3 42	0 42	12 24	0 35	21 53	0 27	17 59	17 37	26 57	14 19	1 21	
S 16	23 20	3s24	3 1	18 25	4 12	11 56	2 52	16 21	1 19	19 35	0 46	22 13	1 13	3 43	0 42	12 24	0 35	21 53	0 27	17 59	17 36	26 57	14 20	1 21	
M17	23 22	8 57	2 1	18 17	4 18	12 9	2 54	16 9	1 18	19 38	0 46	22 13	1 13	3 43	0 42	12 23	0 35	21 53	0 27	18 0	17 36	26 58	14 21	1 22	
T 18	23 24	14 3	0 57	18 11	4 22	12 23	2 57	15 57	1 17	19 40	0 46	22 13	1 13	3 44	0 42	12 23	0 35	21 53	0 27	18 0	17 35	26 58	14 22	1 22	
W19	23 25	18 32	0s 8	18 7	4 25	12 36	2 59	15 45	1 17	19 43	0 46	22 13	1 12	3 44	0 42	12 22	0 35	21 52	0 27	18 0	17 34	26 59	14 23	1 22	
T 20	23 26	22 14	1 13	18 4	4 26	12 50	3 1	15 33	1 16	19 46	0 46	22 13	1 12	3 45	0 42	12 22	0 35	21 52	0 27	18 0	17 33	26 59	14 23	1 22	
F 21	23 27	24 58	2 14	18 4	4 27	13 4	3 2	15 21	1 16	19 48	0 46	22 13	1 12	3 45	0 42	12 22	0 35	21 52	0 27	17 59	17 32	27 0	14 24	1 22	
S 22	23 27	26 34	3 8	18 5	4 26	13 18	3 4	15 9	1 15	19 51	0 46	22 13	1 12	3 46	0 42	12 21	0 35	21 52	0 27	17 58	17 31	27 0	14 25	1 22	
S 23	23 27	26 58	3 55	18 7	4 24	13 32	3 5	14 57	1 14	19 54	0 46	22 13	1 12	3 46	0 42	12 21	0 35	21 52	0 27	17 57	17 30	27 0	14 26	1 22	
M24	23 26	26 8	4 31	18 12	4 20	13 47	3 7	14 45	1 14	19 56	0 46	22 13	1 12	3 47	0 42	12 20	0 35	21 52	0 27	17 55	17 30	27 1	14 26	1 22	
T 25	23 25	24 6	4 56	18 18	4 16	14 1	3 8	14 32	1 13	19 59	0 46	22 13	1 12	3 47	0 42	12 20	0 35	21 52	0 27	17 53	17 29	27 1	14 27	1 23	
W26	23 24	20 59	5 7	18 25	4 11	14 15	3 9	14 20	1 12	20 1	0 46	22 13	1 12	3 47	0 42	12 19	0 35	21 51	0 27	17 51	17 28	27 2	14 28	1 23	
T 27	23 22	16 58	5 6	18 34	4 4	14 30	3 9	14 7	1 12	20 4	0 46	22 13	1 12	3 48	0 42	12 19	0 35	21 51	0 27	17 49	17 27	27 2	14 29	1 23	
F 28	23 19	12 10	4 50	18 44	3 57	14 44	3 10	13 55	1 11	20 6	0 46	22 13	1 12	3 48	0 42	12 18	0 35	21 51	0 27	17 48	17 26	27 3	14 29	1 23	
S 29	23 17	6 48	4 20	18 56	3 49	14 59	3 10	13 42	1 10	20 9	0 46	22 13	1 12	3 48	0 42	12 18	0 35	21 51	0 27	17 47	17 25	27 3	14 30	1 23	
S 30	23n14	1s 2	3s36	19n 8	3s40	15n13	3s11	13n29	1n10	20n11	0s46	22s13	1n11	3n49	0s42	12n17	0n35	21n51	0s27	17n47	17n24	27s 3	14n31	1s23	

## ASTRODIENST EPHEMERIS for the year 1929

geocentric

JULY 1929

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 34 14	8°39'38	18°57	17°31	23°8	27°58	4°11	26°R21	11°V16	29°L18	17°39	20°8	18°841	4°25	13°820	M 1
T 2	18 38 11	9°36'51	2°34	18°19	23°59	28°33	4°18	26°A16	11°17	29°19	17°41	20°7	18°38	4°32	13°22	T 2
W 3	18 42 7	10°34'04	16°37	19°11	24°57	29°9	4°31	26°12	11°18	29°21	17°43	20°R 8	18°35	4°39	13°25	W 3
T 4	18 46 4	11°31'17	1°II 5	20°7	25°56	29°45	4°44	26°8	11°19	29°22	17°44	20°8	18°31	4°45	13°27	T 4
F 5	18 50 1	12°28'31	15°56	21°8	26°55	0°21	4°56	26°4	11°19	29°24	17°46	20°6	18°28	4°52	13°30	F 5
S 6	18 53 57	13°25'44	1°3	22°13	27°55	0°57	5°9	26°0	11°20	29°26	17°47	20°1	18°25	4°59	13°32	S 6
S 7	18 57 54	14°22'58	16°18	23°22	28°55	1°33	5°21	25°56	11°20	29°27	17°49	19°54	18°22	5°5	13°34	S 7
M 8	19 1 50	15°20'12	1°L30	24°36	29°55	2°9	5°34	25°52	11°21	29°29	17°50	19°46	18°19	5°12	13°37	M 8
T 9	19 5 47	16°17'26	16°29	25°54	0°II56	2°45	5°46	25°47	11°21	29°31	17°52	19°38	18°15	5°19	13°39	T 9
W10	19 9 43	17°14'40	1°6	27°15	1°56	3°21	5°58	25°44	11°22	29°33	17°54	19°30	18°12	5°25	13°41	W10
T 11	19 13 40	18°11'54	15°16	28°41	2°57	3°58	6°11	25°40	11°22	29°34	17°55	19°24	18°9	5°32	13°43	T 11
F 12	19 17 36	19°9'07	28°56	0°311	3°59	4°34	6°23	25°36	11°22	29°36	17°57	19°21	18°6	5°39	13°45	F 12
S 13	19 21 33	20°6'21	12°8	1°45	5°1	5°10	6°35	25°32	11°22	29°38	17°58	19°19	18°3	5°46	13°47	S 13
S 14	19 25 30	21°3'35	24°55	3°22	6°3	5°47	6°47	25°28	11°23	29°40	18°0	19°D18	18°0	5°52	13°49	S 14
M15	19 29 26	22°0'48	7°21	5°3	7°5	6°23	6°59	25°24	11°23	29°42	18°1	19°19	17°56	5°59	13°51	M15
T 16	19 33 23	22°58'02	19°31	6°47	8°7	6°59	7°11	25°21	11°23	29°43	18°3	19°R19	17°53	6°6	13°53	T 16
W17	19 37 19	23°55'16	1°29	8°35	9°10	7°36	7°22	25°17	11°R23	29°45	18°5	19°19	17°50	6°12	13°55	W17
T 18	19 41 16	24°52'31	13°21	10°26	10°13	8°13	7°34	25°13	11°23	29°47	18°6	19°16	17°47	6°19	13°57	T 18
F 19	19 45 12	25°49'45	25°11	12°19	11°16	8°49	7°46	25°10	11°23	29°49	18°8	19°11	17°44	6°26	13°59	F 19
S 20	19 49 9	26°47'00	7°3	14°16	12°20	9°26	7°57	25°7	11°23	29°51	18°9	19°3	17°41	6°32	14°0	S 20
S 21	19 53 5	27°44'15	18°53	16°15	13°24	10°3	8°8	25°3	11°23	29°53	18°11	18°53	17°37	6°39	14°2	S 21
M22	19 57 2	28°41'31	0°50	18°15	14°28	10°39	8°20	25°0	11°22	29°55	18°12	18°41	17°34	6°46	14°4	M22
T 23	20 0 59	29°38'47	12°53	20°18	15°32	11°16	8°31	24°57	11°22	29°57	18°14	18°28	17°31	6°52	14°5	T 23
W24	20 4 55	0°L36'04	25°4	22°22	16°36	11°53	8°42	24°53	11°22	29°59	18°15	18°16	17°28	6°59	14°7	W24
T 25	20 8 52	1°33'22	7°23	24°27	17°41	12°30	8°53	24°50	11°21	0°1	18°17	18°5	17°25	7°6	14°8	T 25
F 26	20 12 48	2°30'40	19°52	26°33	18°46	13°7	9°4	24°47	11°21	0°3	18°18	17°57	17°21	7°13	14°9	F 26
S 27	20 16 45	3°28'00	2°V33	28°40	19°51	13°44	9°15	24°44	11°21	0°5	18°20	17°51	17°18	7°19	14°11	S 27
S 28	20 20 41	4°25'20	15°28	0°L46	20°56	14°21	9°26	24°41	11°20	0°7	18°21	17°47	17°15	7°26	14°12	S 28
M29	20 24 38	5°22'41	28°39	2°53	22°1	14°58	9°37	24°39	11°20	0°9	18°23	17°46	17°12	7°33	14°13	M29
T 30	20 28 34	6°20'03	12°10	4°59	23°7	15°35	9°47	24°36	11°19	0°11	18°25	17°46	17°9	7°39	14°14	T 30
W31	20 32 31	7°17'27	26°3	7°L 5	24°II13	16°12	9°II58	24°A33	11°V18	0°13	18°26	17°46	17°8	7°46	14°16	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
M 1	23n10	4n58	2s40	19n22	3s31	15n27	3s11	13n16	1n 9	20n14	0s45	22s13	1n11	3n49	0s42	12n17	0n35	21n51	0s26	17n47	17n23	27s 4	14n31	1s23	
T 2	23 6	10 55	1 33	19 36	3 21	15 42	3 11	13 3	1 9	20 16	0 45	22 13	1 11	3 49	0 42	12 16	0 35	21 51	0 26	17 47	17 23	27 4	14 32	1 24	
W 3	23 2	16 30	0 19	19 51	3 10	15 56	3 11	12 50	1 8	20 18	0 45	22 13	1 11	3 50	0 42	12 15	0 35	21 51	0 26	17 47	17 22	27 5	14 32	1 24	
T 4	22 57	21 20	0n59	20 6	2 59	16 10	3 10	12 37	1 7	20 21	0 45	22 13	1 11	3 50	0 42	12 15	0 35	21 50	0 26	17 47	17 21	27 5	14 33	1 24	
F 5	22 52	24 56	2 14	20 22	2 47	16 24	3 10	12 24	1 7	20 23	0 45	22 13	1 11	3 50	0 42	12 14	0 35	21 50	0 26	17 46	17 20	27 5	14 34	1 24	
S 6	22 46	26 48	3 21	20 38	2 35	16 38	3 9	12 10	1 6	20 25	0 45	22 13	1 11	3 50	0 42	12 14	0 35	21 50	0 26	17 45	17 19	27 6	14 34	1 24	
S 7	22 40	26 40	4 15	20 54	2 23	16 51	3 9	11 57	1 5	20 28	0 45	22 13	1 11	3 50	0 42	12 13	0 35	21 50	0 26	17 43	17 18	27 6	14 35	1 24	
M 8	22 34	24 33	4 50	21 10	2 10	17 5	3 8	11 43	1 5	20 30	0 45	22 13	1 11	3 51	0 42	12 13	0 35	21 50	0 26	17 41	17 17	27 6	14 35	1 24	
T 9	22 27	20 45	5 5	21 26	1 58	17 18	3 7	11 30	1 4	20 32	0 45	22 13	1 10	3 51	0 42	12 12	0 35	21 50	0 26	17 39	17 16	27 7	14 36	1 25	
W10	22 20	15 44	4 59	21 41	1 45	17 32	3 6	11 16	1 4	20 34	0 45	22 13	1 10	3 51	0 42	12 11	0 35	21 50	0 26	17 37	17 16	27 7	14 36	1 25	
T 11	22 13	10 2	4 35	21 55	1 31	17 45	3 4	11 2	1 3	20 36	0 45	22 13	1 10	3 51	0 42	12 11	0 35	21 49	0 26	17 35	17 15	27 7	14 37	1 25	
F 12	22 5	4 2	3 56	22 9	1 18	17 57	3 3	10 49	1 2	20 38	0 45	22 13	1 10	3 51	0 42	12 10	0 35	21 49	0 26	17 34	17 14	27 8	14 37	1 25	
S 13	21 57	1s58	3 5	22 21	1 5	18 10	3 2	10 35	1 2	20 40	0 45	22 13	1 10	3 51	0 42	12 9	0 35	21 49	0 26	17 34	17 13	27 8	14 38	1 25	
S 14	21 48	7 41	2 7	22 32	0 52	18 22	3 0	10 21	1 1	20 42	0 45	22 13	1 10	3 51	0 42	12 9	0 35	21 49	0 26	17 34	17 12	27 8	14 38	1 25	
M15	21 39	12 58	1 4	22 42	0 39	18 34	2 59	10 7	1 1	20 44	0 45	22 13	1 10	3 51	0 43	12 8	0 35	21 49	0 26	17 34	17 11	27 9	14 39	1 26	
T 16	21 30	17 38	0s1	22 50	0 26	18 46	2 57	9 53	1 0	20 46	0 45	22 13	1 10	3 51	0 43	12 8	0 35	21 49	0 26	17 34	17 10	27 9	14 39	1 26	
W17	21 20	21 31	1 4	22 57	0 14	18 57	2 55	9 38	0 59	20 48	0 45	22 13	1 9	3 51	0 43	12 7	0 35	21 48	0 25	17 34	17 9	27 9	14 39	1 26	
T 18	21 10	24 28	2 4	23 1	0 2	19 8	2 53	9 24	0 59	20 50	0 45	22 13	1 9	3 51	0 43	12 6	0 35	21 48	0 25	17 33	17 8	27 9	14 40	1 26	
F 19	20 59	26 20	2 59	23 3	0n10	19 19	2 51	9 10	0 58	20 52	0 46	22 13	1 9	3 51	0 43	12 6	0 35	21 48	0 25	17 32	17 8	27 10	14 40	1 26	
S 20	20 49	27 1	3 45	23 3	0 21	19 29	2 49	8 55	0 57	20 54	0 46	22 13	1 9	3 51	0 43	12 5	0 35	21 48	0 25	17 29	17 7	27 10	14 41	1 26	
S 21	20 37	26 26	4 22	23 0	0 32	19 40	2 47	8 41	0 57	20 56	0 46	22 13	1 9	3 51	0 43	12 4	0 35	21 48	0 25	17 27	17 6	27 10	14 41	1 26	
M22	20 26	24 39	4 47	22 54	0 42	19 49	2 44	8 26	0 56	20 57	0 46	22 13	1 9	3 51	0 43	12 3	0 35	21 48	0 25	17 23	17 5	27 10	14 41	1 27	
T 23	20 14	21 44	5 0	22 46	0 52	19 59	2 42	8 12	0 56	20 59	0 46	22 13	1 9	3 51	0 43	12 3	0 35	21 48	0 25	17 20	17 4	27 10	14 41	1 27	
W24	20 2	17 52	4 59	22 35	1 1	20 8	2 40	7 57	0 55	21 1	0 46	22 13	1 8	3 50	0 43	12 2	0 35	21 47	0 25	17 17	17 3	27 11	14 42	1 27	
T 25	19 49	13 12	4 45	22 22	1 9	20 16	2 37	7 43	0 54	21 2	0 46	22 13	1 8	3 50	0 43	12 1	0 35	21 47	0 25	17 14	17 2	27 11	14 42	1 27	
F 26	19 36	7 57	4 16	22 6	1 16	20 25	2 34	7 28	0 54	21 4	0 46	22 13	1 8	3 50	0 43	12 1	0 35	21 47	0 25	17 11	17 1	27 11	14 42	1 27	
S 27	19 23	2 17	3 35	21 47	1 22	20 32	2 32	7 13	0 53	21 6	0 46	22 13	1 8	3 50	0 43	12 0	0 35	21 47	0 25	17 10	17 0	27 11	14 43	1 27	
S 28	19 10	3n36	2 42	21 26	1 28	20 40	2 29	6 58	0 53	21 7	0 46	22 13	1 8	3 50	0 43	11 59	0 35	21 47	0 25	17 9	16 59	27 11	14 43	1 28	
M29	18 56	9 27	1 39	21 2	1 33	20 47	2 26	6 43	0 52	21 9	0 46	22 13	1 8	3 49	0 43	11 59	0 35	21 47	0 25	17 8	16 59	27 12	14 43	1 28	
T 30	18 42	15 2	0 30	20 36	1 37	20 53	2 23	6 28	0 51	21 11	0 46	22 13	1 7	3 49	0 43	11 58	0 35	21 47	0 25	17 8	16 58	27 12	14 43	1 28	
W31	18n27	19n59	0n44	20n 8	1n41	20n59	2s20	6n13	0n51	21n12	0s46	22s13	1n 7	3n49	0s43	11n57	0n35	21n46	0s25	17n 8	16n57	27s12	14n43	1s28	



## ASTRODIENST EPHEMERIS for the year 1929

geocentric

AUGUST 1929

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 36 28	8♌14'52	10♏18	9♍10	25♏19	16♏50	10♏8	24°R31	11°R18	0♏15	18♏28	17°R45	17♏2	7♏53	14♏17	T 1
F 2	20 40 24	9°12'18	24°54	11°14	26°25	17°27	10°19	24°R28	11°Y17	0°17	18°29	17♏41	16°59	7°59	14°18	F 2
S 3	20 44 21	10° 9'45	9♏48	13°17	27°31	18° 4	10°29	24°26	11°16	0°19	18°30	17°35	16°56	8° 6	14°19	S 3
S 4	20 48 17	11° 7'13	24°51	15°19	28°38	18°42	10°39	24°23	11°15	0°21	18°32	17°26	16°53	8°13	14°20	S 4
M 5	20 52 14	12° 4'42	9♏56	17°19	29°44	19°19	10°49	24°21	11°15	0°24	18°33	17°16	16°50	8°19	14°20	M 5
T 6	20 56 10	13° 2'12	24°51	19°18	0♏51	19°57	10°59	24°19	11°14	0°26	18°35	17° 4	16°47	8°26	14°21	T 6
W 7	21 0 7	13°59'43	9♏29	21°16	1°58	20°34	11° 8	24°17	11°13	0°28	18°36	16°54	16°43	8°33	14°22	W 7
T 8	21 4 3	14°57'15	23°41	23°12	3° 5	21°12	11°18	24°15	11°12	0°30	18°38	16°45	16°40	8°40	14°23	T 8
F 9	21 8 0	15°54'48	7♏25	25° 7	4°12	21°50	11°28	24°13	11°11	0°32	18°39	16°39	16°37	8°46	14°23	F 9
S 10	21 11 57	16°52'22	20°41	27° 0	5°20	22°27	11°37	24°11	11°10	0°34	18°41	16°35	16°34	8°53	14°24	S 10
S 11	21 15 53	17°49'56	3♏30	28°52	6°27	23° 5	11°46	24° 9	11° 8	0°36	18°42	16°34	16°31	9° 0	14°24	S 11
M12	21 19 50	18°47'32	15°57	0♏42	7°35	23°43	11°55	24° 7	11° 7	0°39	18°43	16°34	16°27	9° 6	14°25	M12
T 13	21 23 46	19°45'08	28° 7	2°31	8°43	24°21	12° 4	24° 6	11° 6	0°41	18°45	16°34	16°24	9°13	14°25	T 13
W14	21 27 43	20°42'45	10♏6	4°18	9°51	24°59	12°13	24° 4	11° 5	0°43	18°46	16°33	16°21	9°20	14°25	W14
T 15	21 31 39	21°40'24	21°57	6° 4	10°59	25°36	12°22	24° 3	11° 4	0°45	18°48	16°30	16°18	9°26	14°26	T 15
F 16	21 35 36	22°38'03	3♏46	7°48	12° 7	26°14	12°31	24° 2	11° 2	0°47	18°49	16°24	16°15	9°33	14°26	F 16
S 17	21 39 32	23°35'43	15°38	9°31	13°16	26°53	12°39	24° 1	11° 1	0°50	18°50	16°16	16°12	9°40	14°26	S 17
S 18	21 43 29	24°33'25	27°35	11°12	14°24	27°31	12°48	23°59	10°59	0°52	18°52	16° 5	16° 8	9°46	14°26	S 18
M19	21 47 26	25°31'08	9♏39	12°52	15°33	28° 9	12°56	23°58	10°58	0°54	18°53	15°53	16° 5	9°53	14°R26	M19
T 20	21 51 22	26°28'52	21°53	14°31	16°42	28°47	13° 4	23°58	10°56	0°56	18°54	15°40	16° 2	10° 0	14°26	T 20
W21	21 55 19	27°26'37	4♏16	16° 8	17°51	29°25	13°12	23°57	10°55	0°59	18°55	15°27	15°59	10° 7	14°26	W21
T 22	21 59 15	28°24'24	16°50	17°44	19° 0	0♏3	13°20	23°56	10°53	1° 1	18°57	15°15	15°56	10°13	14°26	T 22
F 23	22 3 12	29°22'12	29°35	19°18	20° 9	0°42	13°28	23°55	10°52	1° 3	18°58	15° 6	15°52	10°20	14°26	F 23
S 24	22 7 8	0♏20'02	12°Y30	20°51	21°18	1°20	13°35	23°55	10°50	1° 5	18°59	15° 0	15°49	10°27	14°26	S 24
S 25	22 11 5	1°17'54	25°38	22°23	22°28	1°59	13°43	23°54	10°48	1° 7	19° 0	14°56	15°46	10°33	14°25	S 25
M26	22 15 1	2°15'47	8♏57	23°53	23°37	2°37	13°50	23°54	10°47	1°10	19° 2	14°D55	15°43	10°40	14°25	M26
T 27	22 18 58	3°13'42	22°31	25°21	24°47	3°16	13°57	23°54	10°45	1°12	19° 3	14°55	15°40	10°47	14°24	T 27
W28	22 22 55	4°11'39	6♏20	26°49	25°57	3°54	14° 4	23°54	10°43	1°14	19° 4	14°R55	15°37	10°53	14°24	W28
T 29	22 26 51	5° 9'38	20°26	28°15	27° 7	4°33	14°11	23°D54	10°41	1°16	19° 5	14°54	15°33	11° 0	14°23	T 29
F 30	22 30 48	6° 7'39	4♏46	29°39	28°17	5°11	14°18	23°54	10°40	1°19	19° 6	14°51	15°30	11° 7	14°23	F 30
S 31	22 34 44	7♏5'42	19♏20	1♏2	29♏27	5♏50	14♏25	23♏54	10°Y38	1♏21	19♏7	14♏46	15♏27	11♏14	14♏22	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n13	23n55	1n56	19n38	1n43	21n 5	2s17	5n58	0n50	21n14	0s46	22s13	1n 7	3n49	0s43	11n56
F 2	17 58	26 24	3 3	19 6	1 45	21 10	2 14	5 43	0 49	21 15	0 46	22 13	1 7	3 48	0 43	11 56
S 3	17 42	27 3	3 58	18 32	1 46	21 14	2 11	5 28	0 49	21 16	0 46	22 13	1 7	3 48	0 43	11 55
S 4	17 27	25 43	4 38	17 57	1 46	21 18	2 8	5 13	0 48	21 18	0 46	22 13	1 7	3 48	0 43	11 54
M 5	17 11	22 33	4 58	17 20	1 46	21 22	2 5	4 58	0 48	21 19	0 46	22 13	1 7	3 47	0 43	11 53
T 6	16 55	17 55	4 58	16 42	1 45	21 25	2 2	4 42	0 47	21 21	0 46	22 13	1 6	3 47	0 43	11 53
W 7	16 38	12 18	4 38	16 3	1 44	21 28	1 58	4 27	0 46	21 22	0 46	22 13	1 6	3 47	0 43	11 52
T 8	16 21	6 12	4 1	15 23	1 41	21 30	1 55	4 12	0 46	21 23	0 46	22 14	1 6	3 46	0 43	11 51
F 9	16 4	0s 1	3 11	14 42	1 39	21 31	1 52	3 56	0 45	21 24	0 46	22 14	1 6	3 46	0 43	11 50
S 10	15 47	6 2	2 12	14 1	1 36	21 32	1 48	3 41	0 45	21 26	0 46	22 14	1 6	3 45	0 43	11 50
S 11	15 30	11 37	1 9	13 19	1 32	21 33	1 45	3 25	0 44	21 27	0 46	22 14	1 6	3 45	0 43	11 49
M12	15 12	16 34	0 3	12 36	1 28	21 33	1 41	3 10	0 43	21 28	0 46	22 14	1 5	3 44	0 43	11 48
T 13	14 54	20 44	1s 1	11 53	1 23	21 32	1 38	2 54	0 43	21 29	0 46	22 14	1 5	3 44	0 43	11 47
W14	14 36	23 58	2 1	11 9	1 18	21 31	1 34	2 39	0 42	21 30	0 46	22 14	1 5	3 43	0 43	11 47
T 15	14 17	26 7	2 55	10 25	1 13	21 29	1 31	2 23	0 42	21 32	0 46	22 14	1 5	3 43	0 43	11 46
F 16	13 59	27 6	3 42	9 41	1 7	21 27	1 27	2 7	0 41	21 33	0 46	22 14	1 5	3 42	0 43	11 45
S 17	13 40	26 49	4 19	8 57	1 1	21 24	1 24	1 52	0 40	21 34	0 46	22 14	1 4	3 42	0 43	11 44
S 18	13 21	25 18	4 45	8 13	0 55	21 21	1 20	1 36	0 40	21 35	0 46	22 15	1 4	3 41	0 43	11 43
M19	13 1	22 38	4 58	7 28	0 48	21 17	1 17	1 20	0 39	21 36	0 46	22 15	1 4	3 40	0 44	11 43
T 20	12 42	18 55	4 58	6 44	0 41	21 12	1 13	1 4	0 39	21 37	0 46	22 15	1 4	3 40	0 44	11 42
W21	12 22	14 21	4 44	6 0	0 34	21 7	1 9	0 49	0 38	21 38	0 46	22 15	1 4	3 39	0 44	11 41
T 22	12 2	9 8	4 16	5 16	0 27	21 1	1 6	0 33	0 37	21 39	0 46	22 15	1 4	3 39	0 44	11 40
F 23	11 42	3 28	3 35	4 32	0 19	20 55	1 2	0 17	0 37	21 39	0 46	22 15	1 3	3 38	0 44	11 40
S 24	11 22	2n27	2 43	3 48	0 12	20 48	0 58	0 1	0 36	21 40	0 46	22 15	1 3	3 37	0 44	11 39
S 25	11 1	8 21	1 40	3 5	0 4	20 41	0 55	0s15	0 36	21 41	0 47	22 16	1 3	3 37	0 44	11 38
M26	10 40	14 0	0 32	2 22	0s 4	20 33	0 51	0 30	0 35	21 42	0 47	22 16	1 3	3 36	0 44	11 37
T 27	10 20	19 4	0n40	1 39	0 12	20 24	0 48	0 46	0 34	21 43	0 47	22 16	1 3	3 35	0 44	11 36
W28	9 59	23 12	1 51	0 57	0 21	20 15	0 44	1 2	0 34	21 44	0 47	22 16	1 3	3 35	0 44	11 36
T 29	9 37	26 3	2 57	0 15	0 29	20 5	0 40	1 18	0 33	21 44	0 47	22 16	1 2	3 34	0 44	11 35
F 30	9 16	27 14	3 52	0s26	0 38	19 55	0 37	1 34	0 33	21 45	0 47	22 16	1 2	3 33	0 44	11 34
S 31	8n55	26n34	4n34	1s 7	0s46	19n44	0s33	1s50	0n32	21n46	0s47	22s17	1n 2	3n32	0s44	11n33

Julian Day Number = 2425824.5, Delta T = 24.41 sec

Ecliptic obliquity = 23°27'00, Nutation = - 0°00'11, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°45'24, Lahiri = 22°52'25

## ASTRODIENST EPHEMERIS for the year 1929

geocentric

SEPTEMBER 1929

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 38 41	8 <sup>h</sup> 3'47	4 <sup>h</sup> 1	2 <sup>h</sup> 24	0 <sup>h</sup> 137	6 <sup>h</sup> 29	14 <sup>h</sup> 31	23 <sup>h</sup> 54	10 <sup>h</sup> R36	1 <sup>h</sup> 23	19 <sup>h</sup> 9	14 <sup>h</sup> R38	15 <sup>h</sup> 24	11 <sup>h</sup> 20	14 <sup>h</sup> R22	S 1
M 2	22 42 37	9° 1'53	18°45	3°44	1°47	7° 8	14°37	23°54	10°Y34	1°25	19°10	14°R29	15°21	11°27	14°R21	M 2
T 3	22 46 34	10° 0'01	3 <sup>h</sup> 22	5° 2	2°58	7°47	14°43	23°55	10°32	1°27	19°11	14°19	15°18	11°34	14°20	T 3
W 4	22 50 30	10°58'11	17°46	6°19	4° 8	8°26	14°49	23°55	10°30	1°30	19°12	14° 9	15°14	11°40	14°19	W 4
T 5	22 54 27	11°56'23	1 <sup>h</sup> 50	7°34	5°19	9° 5	14°55	23°56	10°28	1°32	19°13	14° 1	15°11	11°47	14°18	T 5
F 6	22 58 24	12°54'36	15°29	8°47	6°30	9°44	15° 1	23°57	10°26	1°34	19°14	13°56	15° 8	11°54	14°17	F 6
S 7	23 2 20	13°52'50	28°44	9°58	7°40	10°23	15° 6	23°57	10°24	1°36	19°15	13°52	15° 5	12° 0	14°16	S 7
S 8	23 6 17	14°51'07	11 <sup>h</sup> 34	11° 8	8°51	11° 2	15°11	23°58	10°22	1°38	19°16	13°D51	15° 2	12° 7	14°15	S 8
M 9	23 10 13	15°49'25	24° 3	12°16	10° 2	11°41	15°16	23°59	10°20	1°41	19°17	13°51	14°58	12°14	14°14	M 9
T 10	23 14 10	16°47'44	6 <sup>h</sup> 15	13°21	11°14	12°20	15°21	24° 1	10°17	1°43	19°18	13°52	14°55	12°21	14°13	T 10
W11	23 18 6	17°46'05	18°15	14°24	12°25	13° 0	15°26	24° 2	10°15	1°45	19°19	13°R53	14°52	12°27	14°11	W11
T 12	23 22 3	18°44'28	0 <sup>h</sup> 8	15°25	13°36	13°39	15°31	24° 3	10°13	1°47	19°20	13°52	14°49	12°34	14°10	T 12
F 13	23 25 59	19°42'52	11°59	16°23	14°47	14°18	15°35	24° 5	10°11	1°49	19°21	13°49	14°46	12°41	14° 9	F 13
S 14	23 29 56	20°41'18	23°52	17°19	15°59	14°58	15°39	24° 6	10° 9	1°51	19°21	13°44	14°43	12°47	14° 7	S 14
S 15	23 33 53	21°39'45	5 <sup>h</sup> 53	18°11	17°10	15°37	15°43	24° 8	10° 6	1°53	19°22	13°38	14°39	12°54	14° 6	S 15
M16	23 37 49	22°38'14	18° 4	19° 1	18°22	16°17	15°47	24° 9	10° 4	1°56	19°23	13°29	14°36	13° 1	14° 4	M16
T 17	23 41 46	23°36'45	0 <sup>h</sup> 28	19°47	19°34	16°57	15°51	24°11	10° 2	1°58	19°24	13°20	14°33	13° 7	14° 3	T 17
W18	23 45 42	24°35'18	13° 5	20°29	20°46	17°36	15°54	24°13	10° 0	2° 0	19°25	13°11	14°30	13°14	14° 1	W18
T 19	23 49 39	25°33'52	25°56	21° 8	21°58	18°16	15°58	24°15	9°57	2° 2	19°25	13° 3	14°27	13°21	13°59	T 19
F 20	23 53 35	26°32'28	9 <sup>h</sup> 1	21°43	23°10	18°56	16° 1	24°17	9°55	2° 4	19°26	12°57	14°24	13°28	13°58	F 20
S 21	23 57 32	27°31'07	22°18	22°13	24°22	19°35	16° 4	24°19	9°53	2° 6	19°27	12°53	14°20	13°34	13°56	S 21
S 22	0 1 28	28°29'47	5 <sup>h</sup> 47	22°38	25°34	20°15	16° 6	24°21	9°50	2° 8	19°28	12°51	14°17	13°41	13°54	S 22
M23	0 5 25	29°28'30	19°25	22°57	26°46	20°55	16° 9	24°24	9°48	2°10	19°28	12°D51	14°14	13°48	13°52	M23
T 24	0 9 22	0 <sup>h</sup> 27'15	3 <sup>h</sup> 14	23°12	27°59	21°35	16°11	24°26	9°45	2°12	19°29	12°52	14°11	13°54	13°50	T 24
W25	0 13 18	1°26'02	17°11	23°20	29°11	22°15	16°13	24°29	9°43	2°14	19°30	12°53	14° 8	14° 1	13°48	W25
T 26	0 17 15	2°24'52	1 <sup>h</sup> 15	23°R22	0 <sup>h</sup> 24	22°55	16°15	24°31	9°41	2°16	19°30	12°R54	14° 4	14° 8	13°46	T 26
F 27	0 21 11	3°23'44	15°27	23°16	1°36	23°35	16°17	24°34	9°38	2°18	19°31	12°53	14° 1	14°14	13°44	F 27
S 28	0 25 8	4°22'38	29°43	23° 4	2°49	24°16	16°19	24°37	9°36	2°20	19°31	12°51	13°58	14°21	13°42	S 28
S 29	0 29 4	5°21'34	14 <sup>h</sup> 2	22°45	4° 2	24°56	16°20	24°40	9°33	2°22	19°32	12°47	13°55	14°28	13°40	S 29
M30	0 33 1	6 <sup>h</sup> 20'33	28 <sup>h</sup> 18	22 <sup>h</sup> 18	5 <sup>h</sup> 14	25°36	16°II21	24°43	9°Y31	2 <sup>h</sup> 24	19°32	12°R42	13°R52	14°R35	13°R38	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
S 1	8n33	24n 4	4n58	1s48	0s55	19n33	0s29	2s 6	0n31	21n47	0s47	22s17	1n 2	3n32	0s44	11n33	0n36	21n42	0s23	16n14	16n28	27s13	14n40	1s34	14s34
M 2	8 11	19 59	5 2	2 27	1 4	19 21	0 26	2 22	0 31	21 47	0 47	22 17	1 2	3 31	0 44	11 32	0 36	21 42	0 23	16 11	16 27	27 13	14 39	1 34	14 39
T 3	7 49	14 43	4 46	3 7	1 13	19 9	0 22	2 38	0 30	21 48	0 47	22 17	1 2	3 30	0 44	11 31	0 36	21 42	0 23	16 8	16 26	27 13	14 39	1 34	14 39
W 4	7 27	8 43	4 13	3 45	1 21	18 56	0 19	2 53	0 30	21 48	0 47	22 17	1 1	3 29	0 44	11 30	0 36	21 42	0 23	16 6	16 25	27 13	14 39	1 34	14 39
T 5	7 5	2 24	3 24	4 23	1 30	18 42	0 15	3 9	0 29	21 49	0 47	22 18	1 1	3 28	0 44	11 29	0 36	21 42	0 23	16 3	16 24	27 13	14 38	1 34	14 38
F 6	6 43	3s52	2 25	5 0	1 39	18 28	0 12	3 25	0 28	21 50	0 47	22 18	1 1	3 28	0 44	11 29	0 36	21 42	0 23	16 2	16 23	27 12	14 38	1 34	14 38
S 7	6 21	9 47	1 20	5 36	1 48	18 13	0 8	3 41	0 28	21 50	0 47	22 18	1 1	3 27	0 44	11 28	0 36	21 42	0 23	16 1	16 22	27 12	14 37	1 35	14 37
S 8	5 58	15 7	0 12	6 11	1 56	17 58	0 5	3 57	0 27	21 51	0 47	22 18	1 1	3 26	0 44	11 27	0 36	21 42	0 23	16 0	16 21	27 12	14 37	1 35	14 37
M 9	5 36	19 40	0s54	6 46	2 5	17 43	0 2	4 13	0 27	21 51	0 47	22 18	1 0	3 25	0 44	11 26	0 36	21 42	0 22	16 0	16 20	27 12	14 36	1 35	14 36
T 10	5 13	23 17	1 57	7 19	2 13	17 27	0n 2	4 29	0 26	21 52	0 47	22 19	1 0	3 24	0 44	11 26	0 36	21 41	0 22	16 1	16 19	27 12	14 36	1 35	14 36
W11	4 50	25 49	2 54	7 51	2 22	17 10	0 5	4 45	0 25	21 52	0 47	22 19	1 0	3 23	0 44	11 25	0 36	21 41	0 22	16 1	16 18	27 12	14 35	1 35	14 35
T 12	4 27	27 9	3 42	8 23	2 30	16 53	0 8	5 1	0 25	21 53	0 47	22 19	1 0	3 22	0 44	11 24	0 36	21 41	0 22	16 0	16 17	27 11	14 35	1 35	14 35
F 13	4 4	27 14	4 21	8 52	2 38	16 35	0 11	5 16	0 24	21 53	0 47	22 19	1 0	3 22	0 44	11 23	0 36	21 41	0 22	16 0	16 16	27 11	14 34	1 36	14 34
S 14	3 42	26 4	4 48	9 21	2 46	16 17	0 15	5 32	0 23	21 53	0 47	22 20	1 0	3 21	0 44	11 23	0 36	21 41	0 22	15 58	16 15	27 11	14 34	1 36	14 34
S 15	3 18	23 42	5 3	9 48	2 53	15 59	0 18	5 48	0 23	21 54	0 48	22 20	0 59	3 20	0 44	11 22	0 36	21 41	0 22	15 56	16 15	27 11	14 33	1 36	14 33
M16	2 55	20 15	5 5	10 14	3 1	15 40	0 21	6 4	0 22	21 54	0 48	22 20	0 59	3 19	0 44	11 21	0 36	21 41	0 22	15 54	16 14	27 11	14 32	1 36	14 32
T 17	2 32	15 53	4 53	10 38	3 8	15 20	0 24	6 20	0 22	21 55	0 48	22 20	0 59	3 18	0 44	11 20	0 36	21 41	0 22	15 51	16 13	27 10	14 32	1 36	14 32
W18	2 9	10 45	4 26	11 0	3 14	15 0	0 27	6 35	0 21	21 55	0 48	22 21	0 59	3 17	0 44	11 20	0 36	21 41	0 22	15 48	16 12	27 10	14 31	1 36	14 31
T 19	1 46	5 4	3 45	11 21	3 21	14 40	0 30	6 51	0 20	21 55	0 48	22 21	0 59	3 16	0 44	11 19	0 36	21 41	0 22	15 46	16 11	27 10	14 30	1 37	14 30
F 20	1 23	0n56	2 52	11 39	3 26	14 19	0 33	7 7	0 20	21 55	0 48	22 21	0 59	3 15	0 44	11 18	0 36	21 41	0 22	15 44	16 10	27 10	14 30	1 37	14 30
S 21	0 59	7 0	1 49	11 55	3 32	13 58	0 36	7 22	0 19	21 56	0 48	22 21	0 58	3 14	0 44	11 17	0 36	21 41	0 22	15 43	16 9	27 10	14 29	1 37	14 29
S 22	0 36	12 51	0 38	12 9	3 36	13 37	0 39	7 38	0 19	21 56	0 48	22 22	0 58	3 13	0 44	11 17	0 36	21 41	0 22	15 42	16 8	27 9	14 28	1 37	14 28
M23	0 13	18 10	0n36	12 20	3 40	13 15	0 41	7 53	0 18	21 56	0 48	22 22	0 58	3 13	0 44	11 16	0 36	21 41	0 22	15 42	16 7	27 9	14 28	1 37	14 28
T 24	0s11	22 35	1 48	12 28	3 43	12 52	0 44	8 9	0 17	21 56	0 48	22 22	0 58	3 12	0 44	11 15	0 36	21 41	0 22	15 42	16 6	27 9	14 27	1 37	14 27
W25	0 34	25 44	2 55	12 33	3 45	12 30	0 47	8 24	0 17	21 57	0 48	22 22	0 58	3 11	0 44	11 15	0 36	21 41	0 22	15 43	16 5	27 8	14 26	1 38	14 26
T 26	0 58	27 19	3 52	12 35	3 47	12 6	0 49	8 40	0 16	21 57	0 48	22 23	0 58	3 10	0 44	11 14	0 36	21 41	0 22	15 43	16 4	27 8	14 26	1 38	14 26
F 27	1 21	27 7	4 36	12 33	3 47	11 43	0 52	8 55	0 16	21 57	0 48	22 23	0 57	3 9	0 44	11 13	0 36	21 41	0 22	15 43	16 3	27 8	14 25	1 38	14 25
S 28	1 44	25 8	5 2	12 28	3 46	11 19	0 54	9 11	0 15	21 57	0 48	22 23	0 57	3 8	0 44	11 13	0 36	21 40	0 21	15 42	16 2	27 8	14 24	1 38	14 24
S 29	2 8	21 34	5 10	12 18	3 43	10 55	0 57	9 26	0 14	21 57	0 48	22 24	0 57	3 7	0 44	11 12	0 36	21 40	0 21	15 41	16 1	27 7	14 23	1 38	14 23
M30	2s31	16n44	4n59	12s 4	3s39	10n31	0n59	9s41	0n14	21n57	0s48	22s24	0n57	3n 6	0s44	11n11	0n36	21n40	0s21	15n39	16n 0	27s 7	14n22	1s38	14 22

# ASTRODIENST EPHEMERIS for the year 1929

## geocentric

OCTOBER 1929

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 36 57	7♌19'34	12♏28	21°R43	6♏27	26♌16	16♏22	24♌46	9°R29	2♏26	19♌33	12°R36	13♌49	14♌41	13°R36	T 1
W 2	0 40 54	8°18'37	26°27	21♌1	7°40	26°57	16°23	24°49	9°Y26	2°28	19°33	12♌31	13°45	14°48	13♌33	W 2
T 3	0 44 51	9°17'42	10♌11	20°11	8°53	27°37	16°24	24°52	9°24	2°29	19°34	12°27	13°42	14°55	13°31	T 3
F 4	0 48 47	10°16'49	23°36	19°15	10°6	28°18	16°24	24°56	9°21	2°31	19°34	12°24	13°39	15°1	13°29	F 4
S 5	0 52 44	11°15'58	6♏41	18°14	11°19	28°58	16°R24	24°59	9°19	2°33	19°35	12°D22	13°36	15°8	13°26	S 5
S 6	0 56 40	12°15'09	19°27	17°7	12°33	29°39	16°24	25°3	9°16	2°35	19°35	12°22	13°33	15°15	13°24	S 6
M 7	1 0 37	13°14'22	1♌54	15°58	13°46	0♏20	16°24	25°6	9°14	2°37	19°35	12°23	13°29	15°22	13°22	M 7
T 8	1 4 33	14°13'37	14°6	14°47	14°59	1°0	16°24	25°10	9°12	2°39	19°36	12°25	13°26	15°28	13°19	T 8
W 9	1 8 30	15°12'53	26°7	13°37	16°13	1°41	16°23	25°14	9°9	2°40	19°36	12°27	13°23	15°35	13°17	W 9
T 10	1 12 26	16°12'12	8♌1	12°29	17°26	2°22	16°22	25°17	9°7	2°42	19°36	12°28	13°20	15°42	13°14	T 10
F 11	1 16 23	17°11'32	19°52	11°26	18°40	3°3	16°21	25°21	9°4	2°44	19°37	12°R28	13°17	15°48	13°11	F 11
S 12	1 20 20	18°10'54	1♌47	10°29	19°53	3°44	16°20	25°25	9°2	2°45	19°37	12°27	13°14	15°55	13°9	S 12
S 13	1 24 16	19°10'18	13°49	9°39	21°7	4°25	16°19	25°29	9°0	2°47	19°37	12°26	13°10	16°2	13°6	S 13
M14	1 28 13	20°9'43	26°3	8°59	22°21	5°6	16°17	25°33	8°57	2°49	19°37	12°23	13°7	16°8	13°4	M14
T 15	1 32 9	21°9'10	8♌31	8°29	23°34	5°47	16°15	25°38	8°55	2°50	19°37	12°20	13°4	16°15	13°1	T 15
W16	1 36 6	22°8'39	21°18	8°10	24°48	6°28	16°13	25°42	8°53	2°52	19°38	12°16	13°1	16°22	12°58	W16
T 17	1 40 2	23°8'10	4°Y23	8°D2	26°2	7°9	16°11	25°46	8°50	2°54	19°38	12°13	12°58	16°29	12°55	T 17
F 18	1 43 59	24°7'43	17°46	8°5	27°16	7°50	16°8	25°51	8°48	2°55	19°38	12°11	12°55	16°35	12°53	F 18
S 19	1 47 55	25°7'18	1♌27	8°19	28°30	8°32	16°6	25°55	8°46	2°57	19°38	12°10	12°51	16°42	12°50	S 19
S 20	1 51 52	26°6'55	15°22	8°44	29°44	9°13	16°3	26°0	8°43	2°58	19°38	12°D10	12°48	16°49	12°47	S 20
M21	1 55 48	27°6'34	29°28	9°17	0♌58	9°54	16°0	26°5	8°41	3°0	19°R38	12°10	12°45	16°55	12°44	M21
T 22	1 59 45	28°6'16	13♏41	10°0	2°12	10°36	15°57	26°9	8°39	3°1	19°38	12°11	12°42	17°2	12°41	T 22
W23	2 3 42	29°5'59	27°58	10°51	3°26	11°17	15°53	26°14	8°37	3°2	19°38	12°13	12°39	17°9	12°38	W23
T 24	2 7 38	0♏5'45	12♌16	11°49	4°41	11°59	15°50	26°19	8°34	3°4	19°38	12°13	12°35	17°16	12°36	T 24
F 25	2 11 35	1°5'33	26°30	12°54	5°55	12°41	15°46	26°24	8°32	3°5	19°38	12°R14	12°32	17°22	12°33	F 25
S 26	2 15 31	2°5'24	10♏39	14°4	7°9	13°22	15°42	26°29	8°30	3°7	19°38	12°14	12°29	17°29	12°30	S 26
S 27	2 19 28	3°5'16	24°42	15°20	8°23	14°4	15°38	26°34	8°28	3°8	19°37	12°13	12°26	17°36	12°27	S 27
M28	2 23 24	4°5'11	8♏35	16°39	9°38	14°46	15°34	26°39	8°26	3°9	19°37	12°12	12°23	17°42	12°24	M28
T 29	2 27 21	5°5'08	22°17	18°2	10°52	15°28	15°29	26°44	8°24	3°10	19°37	12°11	12°20	17°49	12°21	T 29
W30	2 31 17	6°5'07	5♌48	19°28	12°7	16°10	15°24	26°50	8°22	3°12	19°37	12°11	12°16	17°56	12°18	W30
T 31	2 35 14	7♏5'08	19♌5	20♌56	13♌21	16♏51	15♏19	26♌55	8°Y20	3♏13	19♌37	12♌10	12♌13	18♌3	12♌15	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	2s55	11n 2	4n30	11s45	3s33	10n 6	1n 1	9s56	0n13	21n57	0s48	22s24	0n57	3n 5	0s44	11n11
W 2	3 18	4 50	3 44	11 23	3 26	9 41	1 4	10 12	0 13	21 57	0 48	22 24	0 57	3 4	0 44	11 10
T 3	3 41	1s29	2 47	10 55	3 16	9 15	1 6	10 27	0 12	21 57	0 48	22 25	0 56	3 3	0 44	11 9
F 4	4 4	7 36	1 41	10 23	3 5	8 50	1 8	10 42	0 11	21 57	0 48	22 25	0 56	3 2	0 44	11 9
S 5	4 28	13 16	0 31	9 48	2 52	8 24	1 10	10 57	0 11	21 57	0 48	22 25	0 56	3 1	0 44	11 8
S 6	4 51	18 13	0s39	9 9	2 37	7 58	1 12	11 12	0 10	21 57	0 48	22 26	0 56	3 0	0 44	11 7
M 7	5 14	22 16	1 45	8 26	2 20	7 31	1 14	11 27	0 10	21 57	0 48	22 26	0 56	2 59	0 44	11 7
T 8	5 37	25 14	2 45	7 42	2 2	7 5	1 15	11 41	0 9	21 57	0 49	22 26	0 56	2 58	0 44	11 6
W 9	6 0	27 1	3 37	6 57	1 43	6 38	1 17	11 56	0 8	21 57	0 49	22 26	0 55	2 57	0 44	11 5
T 10	6 23	27 31	4 19	6 12	1 23	6 11	1 19	12 11	0 8	21 57	0 49	22 27	0 55	2 56	0 44	11 5
F 11	6 45	26 46	4 50	5 29	1 2	5 43	1 20	12 25	0 7	21 57	0 49	22 27	0 55	2 56	0 44	11 4
S 12	7 8	24 47	5 9	4 47	0 42	5 16	1 22	12 40	0 7	21 57	0 49	22 27	0 55	2 55	0 44	11 4
S 13	7 31	21 42	5 14	4 9	0 21	4 48	1 23	12 54	0 6	21 56	0 49	22 28	0 55	2 54	0 44	11 3
M14	7 53	17 38	5 5	3 36	0 2	4 20	1 25	13 9	0 5	21 56	0 49	22 28	0 55	2 53	0 44	11 3
T 15	8 15	12 44	4 42	3 7	0n17	3 52	1 26	13 23	0 5	21 56	0 49	22 28	0 55	2 52	0 44	11 2
W16	8 38	7 12	4 5	2 43	0 34	3 24	1 28	13 37	0 4	21 56	0 49	22 28	0 54	2 51	0 44	11 1
T 17	9 0	1 13	3 14	2 25	0 50	2 56	1 27	13 51	0 4	21 55	0 49	22 29	0 54	2 50	0 44	11 1
F 18	9 22	4n58	2 11	2 13	1 5	2 27	1 30	14 5	0 3	21 55	0 49	22 29	0 54	2 49	0 44	11 0
S 19	9 44	11 4	0 59	2 7	1 18	1 59	1 31	14 19	0 2	21 55	0 49	22 29	0 54	2 48	0 44	11 0
S 20	10 5	16 44	0n18	2 6	1 29	1 30	1 31	14 33	0 2	21 55	0 49	22 30	0 54	2 47	0 44	10 59
M21	10 27	21 35	1 34	2 10	1 39	1 2	1 32	14 46	0 1	21 54	0 49	22 30	0 54	2 46	0 44	10 59
T 22	10 48	25 12	2 46	2 20	1 47	0 33	1 33	15 0	0 1	21 54	0 49	22 30	0 54	2 46	0 44	10 58
W23	11 10	27 13	3 47	2 33	1 53	0 4	1 34	15 14	0s0	21 54	0 49	22 30	0 53	2 45	0 44	10 58
T 24	11 31	27 26	4 34	2 51	1 59	0s25	1 34	15 27	0 1	21 53	0 49	22 31	0 53	2 44	0 44	10 57
F 25	11 52	25 51	5 5	3 13	2 3	0 54	1 35	15 40	0 1	21 53	0 49	22 31	0 53	2 43	0 44	10 57
S 26	12 12	22 38	5 16	3 38	2 5	1 23	1 35	15 53	0 2	21 52	0 49	22 31	0 53	2 42	0 44	10 56
S 27	12 33	18 9	5 9	4 5	2 7	1 52	1 36	16 6	0 2	21 52	0 49	22 31	0 53	2 41	0 44	10 56
M28	12 53	12 44	4 44	4 35	2 7	2 21	1 36	16 19	0 3	21 51	0 49	22 32	0 53	2 41	0 44	10 55
T 29	13 13	6 46	4 2	5 7	2 7	2 50	1 36	16 32	0 4	21 51	0 49	22 32	0 53	2 40	0 44	10 55
W30	13 33	0 35	3 8	5 41	2 6	3 19	1 36	16 45	0 4	21 50	0 49	22 32	0 52	2 39	0 44	10 55
T 31	13s53	5s34	2n 4	6s16	2n 4	3s47	1n37	16s58	0s 5	21n50	0s49	22s33	0n52	2n38	0s44	10n54

Julian Day Number = 2425885.5, Delta T = 24.41 sec  
 Ecliptic obliquity = 23°27'02, Nutation = - 0°00'12, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 23°45'33, Lahiri = 22°52'33

# ASTRODIENST EPHEMERIS for the year 1929

## geocentric

NOVEMBER 1929

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 39 11	8♉ 5'11	2♉ 9	22♉27	14♉36	17♉33	15°R14	27♉ 0	8°R18	3♉14	19°R36	12°R10	12♉10	18♉ 9	12°R12	F 1
S 2	2 43 7	9° 5'16	14°57	23°59	15°51	18°16	15°II 9	27° 6	8°Y16	3°15	19°36	12°D10	12° 7	18°16	12°R 9	S 2
S 3	2 47 4	10° 5'23	27°32	25°32	17° 5	18°58	15° 4	27°11	8°14	3°16	19°36	12♉10	12° 4	18°23	12° 6	S 3
M 4	2 51 0	11° 5'32	9♉52	27° 7	18°20	19°40	14°58	27°17	8°12	3°17	19°35	12°10	12° 1	18°29	12° 3	M 4
T 5	2 54 57	12° 5'42	22° 1	28°42	19°35	20°22	14°53	27°23	8°10	3°19	19°35	12°R10	11°57	18°36	12° 0	T 5
W 6	2 58 53	13° 5'54	4♉ 1	0♉18	20°49	21° 4	14°47	27°28	8° 8	3°20	19°35	12°10	11°54	18°43	11°57	W 6
T 7	3 2 50	14° 6'08	15°54	1°55	22° 4	21°47	14°41	27°34	8° 6	3°21	19°34	12°10	11°51	18°49	11°54	T 7
F 8	3 6 46	15° 6'23	27°45	3°31	23°19	22°29	14°35	27°40	8° 4	3°22	19°34	12°10	11°48	18°56	11°51	F 8
S 9	3 10 43	16° 6'40	9♉38	5° 8	24°34	23°12	14°28	27°46	8° 3	3°22	19°33	12° 9	11°45	19° 3	11°48	S 9
S 10	3 14 40	17° 6'58	21°39	6°45	25°49	23°54	14°22	27°52	8° 1	3°23	19°33	12°D 9	11°41	19°10	11°45	S 10
M 11	3 18 36	18° 7'17	3♉50	8°23	27° 3	24°37	14°15	27°57	7°59	3°24	19°32	12°10	11°38	19°16	11°42	M 11
T 12	3 22 33	19° 7'38	16°17	10° 0	28°18	25°19	14° 9	28° 3	7°58	3°25	19°32	12°10	11°35	19°23	11°39	T 12
W 13	3 26 29	20° 8'00	29° 4	11°37	29°33	26° 2	14° 2	28°10	7°56	3°26	19°31	12°11	11°32	19°30	11°36	W 13
T 14	3 30 26	21° 8'24	12°Y14	13°14	0♉48	26°45	13°55	28°16	7°54	3°27	19°31	12°12	11°29	19°36	11°33	T 14
F 15	3 34 22	22° 8'49	25°47	14°50	2° 3	27°27	13°48	28°22	7°53	3°27	19°30	12°12	11°26	19°43	11°30	F 15
S 16	3 38 19	23° 9'16	9♉44	16°27	3°18	28°10	13°41	28°28	7°51	3°28	19°30	12°R13	11°22	19°50	11°27	S 16
S 17	3 42 15	24° 9'44	24° 2	18° 3	4°33	28°53	13°33	28°34	7°50	3°29	19°29	12°13	11°19	19°57	11°25	S 17
M 18	3 46 12	25°10'14	8♉35	19°39	5°48	29°36	13°26	28°40	7°48	3°29	19°28	12°12	11°16	20° 3	11°22	M 18
T 19	3 50 9	26°10'45	23°18	21°15	7° 3	0♉19	13°19	28°47	7°47	3°30	19°28	12°10	11°13	20°10	11°19	T 19
W 20	3 54 5	27°11'19	8♉ 4	22°51	8°18	1° 2	13°11	28°53	7°46	3°31	19°27	12° 8	11°10	20°17	11°16	W 20
T 21	3 58 2	28°11'54	22°45	24°27	9°34	1°45	13° 3	29° 0	7°44	3°31	19°26	12° 6	11° 7	20°23	11°13	T 21
F 22	4 1 58	29°12'30	7♉15	26° 2	10°49	2°28	12°56	29° 6	7°43	3°32	19°26	12° 5	11° 3	20°30	11°10	F 22
S 23	4 5 55	0♉13'08	21°30	27°37	12° 4	3°11	12°48	29°12	7°42	3°32	19°25	12° 4	11° 0	20°37	11° 7	S 23
S 24	4 9 51	1°13'48	5♉29	29°12	13°19	3°54	12°40	29°19	7°41	3°33	19°24	12°D 4	10°57	20°44	11° 5	S 24
M 25	4 13 48	2°14'30	19°10	0♉47	14°34	4°38	12°32	29°26	7°40	3°33	19°23	12° 4	10°54	20°50	11° 2	M 25
T 26	4 17 45	3°15'13	2♉33	2°22	15°49	5°21	12°24	29°32	7°39	3°33	19°22	12° 6	10°51	20°57	10°59	T 26
W 27	4 21 41	4°15'58	15°41	3°56	17° 5	6° 5	12°16	29°39	7°38	3°34	19°22	12° 7	10°47	21° 4	10°57	W 27
T 28	4 25 38	5°16'44	28°35	5°31	18°20	6°48	12° 8	29°45	7°37	3°34	19°21	12° 9	10°44	21°10	10°54	T 28
F 29	4 29 34	6°17'32	11♉16	7° 5	19°35	7°31	12° 0	29°52	7°36	3°34	19°20	12°R 9	10°41	21°17	10°51	F 29
S 30	4 33 31	7♉18'21	23♉45	8♉39	20♉50	8♉15	11°II52	29♉59	7°Y35	3♉34	19°19	12♉ 9	10♉38	21♉24	10♉49	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	14s13	11s22	0n55	6s52	2n 1	4s16	1n37	17s10	0s 6	21n49	0s49	22s33	0n52	2n37	0s44	10n54	0n37	21n42	0s20	15n30	15n30	26s53	13n53	1s42			
S 2	14 32	16 35	0s15	7 29	1 58	4 45	1 37	17 22	0 6	21 49	0 49	22 33	0 52	2 37	0 44	10 53	0 37	21 42	0 20	15 30	15 29	26 s 52	13 52	1 42			
S 3	14 51	20 59	1 24	8 7	1 54	5 14	1 36	17 34	0 7	21 48	0 49	22 33	0 52	2 36	0 43	10 53	0 37	21 42	0 20	15 30	15 28	26 s 51	13 51	1 42			
M 4	15 10	24 22	2 28	8 45	1 49	5 42	1 36	17 47	0 7	21 48	0 49	22 34	0 52	2 35	0 43	10 53	0 37	21 42	0 19	15 30	15 27	26 s 51	13 50	1 42			
T 5	15 28	26 36	3 23	9 23	1 45	6 11	1 36	17 58	0 8	21 47	0 49	22 34	0 52	2 34	0 43	10 52	0 37	21 42	0 19	15 30	15 26	26 s 50	13 49	1 43			
W 6	15 47	27 33	4 10	10 2	1 40	6 39	1 36	18 10	0 9	21 46	0 49	22 34	0 52	2 34	0 43	10 52	0 37	21 42	0 19	15 30	15 25	26 s 50	13 48	1 43			
T 7	16 5	27 13	4 44	10 40	1 34	7 8	1 35	18 22	0 9	21 46	0 49	22 34	0 51	2 33	0 43	10 52	0 37	21 42	0 19	15 30	15 24	26 s 49	13 47	1 43			
F 8	16 22	25 38	5 7	11 18	1 29	7 36	1 35	18 33	0 10	21 45	0 49	22 34	0 51	2 32	0 43	10 51	0 37	21 42	0 19	15 30	15 23	26 s 48	13 46	1 43			
S 9	16 40	22 56	5 17	11 57	1 23	8 4	1 34	18 45	0 10	21 45	0 49	22 35	0 51	2 32	0 43	10 51	0 37	21 42	0 19	15 29	15 22	26 s 48	13 45	1 43			
S 10	16 57	19 13	5 13	12 34	1 17	8 32	1 33	18 56	0 11	21 44	0 49	22 35	0 51	2 31	0 43	10 51	0 37	21 43	0 19	15 29	15 21	26 s 47	13 44	1 43			
M 11	17 14	14 41	4 55	13 12	1 10	8 59	1 33	19 7	0 12	21 43	0 49	22 35	0 51	2 30	0 43	10 50	0 37	21 43	0 19	15 30	15 20	26 s 46	13 43	1 43			
T 12	17 31	9 27	4 23	13 49	1 4	9 27	1 32	19 18	0 12	21 42	0 48	22 35	0 51	2 30	0 43	10 50	0 37	21 43	0 19	15 30	15 19	26 s 46	13 42	1 43			
W 13	17 47	3 41	3 37	14 25	0 57	9 54	1 31	19 29	0 13	21 42	0 48	22 36	0 51	2 29	0 43	10 50	0 37	21 43	0 19	15 30	15 18	26 s 45	13 41	1 43			
T 14	18 3	2n24	2 39	15 1	0 51	10 21	1 30	19 39	0 13	21 41	0 48	22 36	0 51	2 29	0 43	10 50	0 37	21 43	0 19	15 30	15 17	26 s 45	13 40	1 43			
F 15	18 19	8 35	1 30	15 36	0 44	10 48	1 29	19 50	0 14	21 40	0 48	22 36	0 51	2 28	0 43	10 49	0 37	21 43	0 19	15 30	15 16	26 s 44	13 39	1 43			
S 16	18 34	14 31	0 14	16 10	0 37	11 14	1 28	20 0	0 14	21 39	0 48	22 36	0 50	2 27	0 43	10 49	0 37	21 43	0 19	15 31	15 15	26 s 43	13 38	1 43			
S 17	18 49	19 50	1n 5	16 44	0 30	11 41	1 27	20 10	0 15	21 38	0 48	22 36	0 50	2 27	0 43	10 49	0 37	21 44	0 19	15 30	15 14	26 s 42	13 37	1 43			
M 18	19 4	24 4	2 21	17 17	0 23	12 7	1 26	20 20	0 16	21 38	0 48	22 36	0 50	2 26	0 43	10 49	0 37	21 44	0 19	15 30	15 13	26 s 42	13 36	1 44			
T 19	19 18	26 45	3 28	17 49	0 17	12 32	1 25	20 29	0 16	21 37	0 48	22 37	0 50	2 26	0 43	10 49	0 37	21 44	0 19	15 30	15 12	26 s 41	13 35	1 44			
W 20	19 32	27 33	4 22	18 20	0 10	12 58	1 24	20 39	0 17	21 36	0 48	22 37	0 50	2 25	0 43	10 48	0 37	21 44	0 19	15 29	15 11	26 s 40	13 34	1 44			
T 21	19 46	26 25	4 58	18 50	0 3	13 23	1 22	20 48	0 17	21 35	0 48	22 37	0 50	2 25	0 43	10 48	0 37	21 44	0 19	15 29	15 10	26 s 40	13 33	1 44			
F 22	19 59	23 32	5 14	19 20	0s 4	13 48	1 21	20 58	0 18	21 34	0 48	22 37	0 50	2 24	0 43	10 48	0 38	21 44	0 18	15 28	15 9	26 s 39	13 33	1 44			
S 23	20 12	19 15	5 11	19 48	0 10	14 12	1 19	21 7	0 19	21 33	0 48	22 37	0 50	2 24	0 43	10 48	0 38	21 44	0 18	15 28	15 8	26 s 38	13 32	1 44			
S 24	20 25	13 59	4 50	20 16	0 17	14 36	1 18	21 15	0 19	21 32	0 48	22 37	0 50	2 24	0 43	10 48	0 38	21 45	0 18	15 28	15 7	26 s 37	13 31	1 44			
M 25	20 37	8 9	4 12	20 43	0 24	15 0	1 16	21 24	0 20	21 31	0 47	22 38	0 49	2 23	0 43	10 48	0 38	21 45	0 18	15 28	15 6	26 s 37	13 30	1 44			
T 26	20 49	2 3	3 21	21 8	0 30	15 23	1 15	21 32	0 20	21 31	0 47	22 38	0 49	2 23	0 43	10 48	0 38	21 45	0 18	15 28	15 5	26 s 36	13 29	1 44			
W 27	21 0	4s 1	2 21	21 33	0 37	15 46	1 13	21 41	0 21	21 30	0 47	22 38	0 49	2 22	0 43	10 47	0 38	21 45	0 18	15 29	15 4	26 s 35	13 28	1 44			
T 28	21 11	9 49	1 14	21 56	0 43	16 9	1 11	21 49	0 22	21 29	0 47	22 38	0 49	2 22	0 43	10 47	0 38	21 45	0 18	15 29	15 3	26 s 34	13 27	1 44			
F 29	21 22	15 8	0 5	22 19	0 49	16 31	1 10	21 56	0 22	21 28	0 47	22 38	0 49	2 22	0 43	10 47	0 38	21 45	0 18	15 29	15 2	26 s 34	13 26	1 44			
S 30	21s32	19s45	1s 3	22s40	0s55	16s53	1n 8	22s 4	0s23	21n27	0s47	22s38	0n49	2n21	0s43	10n47	0n38	21n46	0s18	15n29	15n 1	26s33	13n26	1s44			

ASTRODIENST EPHEMERIS for the year 1929  
geocentric

DECEMBER 1929

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 37 27	8♌19°11	6♊4	10♌13	22♌6	8♌59	11°R44	0♌6	7°R34	3♌35	19°R18	12°R 7	10♌35	21♌31	10°R46	S 1
M 2	4 41 24	9°20'03	18°15	11°48	23°21	9°42	11♌35	0°12	7°Y33	3°35	19°R17	12♌3	10°32	21°37	10♌43	M 2
T 3	4 45 20	10°20'56	0♌17	13°22	24°36	10°26	11°27	0°19	7°32	3°35	19°16	11°59	10°28	21°44	10°41	T 3
W 4	4 49 17	11°21'49	12°14	14°56	25°52	11°10	11°19	0°26	7°32	3°35	19°15	11°53	10°25	21°51	10°38	W 4
T 5	4 53 14	12°22'44	24° 6	16°30	27° 7	11°54	11°11	0°33	7°31	3°35	19°14	11°48	10°22	21°58	10°36	T 5
F 6	4 57 10	13°23'40	5♌57	18° 4	28°22	12°38	11° 3	0°40	7°30	3°R35	19°13	11°42	10°19	22° 4	10°34	F 6
S 7	5 1 7	14°24'36	17°49	19°38	29°38	13°21	10°55	0°47	7°30	3°35	19°12	11°38	10°16	22°11	10°31	S 7
S 8	5 5 3	15°25'33	29°46	21°12	0♌53	14° 5	10°46	0°53	7°29	3°35	19°11	11°35	10°13	22°18	10°29	S 8
M 9	5 9 0	16°26'31	11♌54	22°46	2° 9	14°49	10°38	1° 0	7°29	3°35	19°10	11°D34	10° 9	22°24	10°27	M 9
T 10	5 12 56	17°27'29	24°15	24°20	3°24	15°33	10°30	1° 7	7°29	3°35	19° 9	11°34	10° 6	22°31	10°24	T 10
W11	5 16 53	18°28'28	6°Y56	25°54	4°39	16°18	10°22	1°14	7°28	3°35	19° 8	11°35	10° 3	22°38	10°22	W11
T 12	5 20 49	19°29'27	20° 0	27°28	5°55	17° 2	10°14	1°21	7°28	3°35	19° 7	11°37	10° 0	22°45	10°20	T 12
F 13	5 24 46	20°30'27	3♌31	29° 2	7°10	17°46	10° 6	1°28	7°28	3°34	19° 6	11°38	9°57	22°51	10°18	F 13
S 14	5 28 43	21°31'28	17°30	0♌37	8°26	18°30	9°58	1°35	7°27	3°34	19° 5	11°R38	9°53	22°58	10°16	S 14
S 15	5 32 39	22°32'29	1♌57	2°11	9°41	19°15	9°51	1°42	7°27	3°34	19° 4	11°36	9°50	23° 5	10°14	S 15
M16	5 36 36	23°33'31	16°46	3°45	10°56	19°59	9°43	1°49	7°27	3°34	19° 3	11°33	9°47	23°11	10°12	M16
T 17	5 40 32	24°34'33	1♌51	5°19	12°12	20°43	9°35	1°56	7°D27	3°33	19° 2	11°27	9°44	23°18	10°10	T 17
W18	5 44 29	25°35'37	17° 2	6°54	13°27	21°28	9°28	2° 3	7°27	3°33	19° 0	11°20	9°41	23°25	10° 8	W18
T 19	5 48 25	26°36'41	2♌9	8°28	14°43	22°12	9°20	2°11	7°27	3°32	18°59	11°13	9°38	23°32	10° 6	T 19
F 20	5 52 22	27°37'45	17° 2	10° 2	15°58	22°57	9°13	2°18	7°27	3°32	18°58	11° 7	9°34	23°38	10° 4	F 20
S 21	5 56 18	28°38'50	1♌35	11°36	17°14	23°41	9° 5	2°25	7°28	3°32	18°57	11° 2	9°31	23°45	10° 3	S 21
S 22	6 0 15	29°39'56	15°43	13° 9	18°29	24°26	8°58	2°32	7°28	3°31	18°56	10°59	9°28	23°52	10° 1	S 22
M23	6 4 12	0♌41'03	29°25	14°43	19°44	25°11	8°51	2°39	7°28	3°30	18°55	10°D58	9°25	23°58	9°59	M23
T 24	6 8 8	1°42'11	12♌43	16°16	21° 0	25°55	8°44	2°46	7°28	3°30	18°53	10°58	9°22	24° 5	9°58	T 24
W25	6 12 5	2°43'19	25°39	17°48	22°15	26°40	8°37	2°53	7°29	3°29	18°52	10°59	9°19	24°12	9°56	W25
T 26	6 16 1	3°44'27	8♌18	19°20	23°31	27°25	8°30	3° 0	7°29	3°29	18°51	11°R 0	9°15	24°19	9°55	T 26
F 27	6 19 58	4°45'37	20°43	20°51	24°46	28°10	8°24	3° 7	7°30	3°28	18°50	11° 0	9°12	24°25	9°53	F 27
S 28	6 23 54	5°46'47	2♌57	22°21	26° 2	28°55	8°17	3°14	7°30	3°27	18°48	10°57	9° 9	24°32	9°52	S 28
S 29	6 27 51	6°47'57	15° 3	23°50	27°17	29°40	8°11	3°21	7°31	3°27	18°47	10°52	9° 6	24°39	9°51	S 29
M30	6 31 47	7°49'07	27° 3	25°17	28°33	0♌25	8° 5	3°29	7°31	3°26	18°46	10°44	9° 3	24°45	9°49	M30
T 31	6 35 44	8♌50'18	8♌59	26♌42	29♌48	1♌10	7♌59	3♌36	7°Y32	3♌25	18°45	10♌33	8♌59	24♌52	9♌48	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s42	23s25	2s 8	23s 0	1s 1	17s14	1n 6	22s11	0s23	21n26	0s47	22s38	0n49	2n21	0s43	10n47
M 2	21 52	26 0	3 5	23 19	1 7	17 35	1 4	22 19	0 24	21 25	0 47	22 38	0 49	2 21	0 43	10 47
T 3	22 1	27 21	3 54	23 37	1 13	17 55	1 2	22 26	0 25	21 24	0 47	22 38	0 49	2 20	0 43	10 47
W 4	22 9	27 23	4 31	23 53	1 18	18 15	1 0	22 32	0 25	21 23	0 46	22 38	0 49	2 20	0 43	10 47
T 5	22 17	26 10	4 57	24 9	1 23	18 35	0 58	22 39	0 26	21 22	0 46	22 38	0 48	2 20	0 42	10 47
F 6	22 25	23 48	5 10	24 23	1 28	18 54	0 56	22 45	0 26	21 21	0 46	22 39	0 48	2 20	0 42	10 47
S 7	22 32	20 25	5 10	24 36	1 33	19 12	0 54	22 51	0 27	21 20	0 46	22 39	0 48	2 20	0 42	10 47
S 8	22 39	16 10	4 56	24 47	1 38	19 30	0 52	22 57	0 27	21 19	0 46	22 39	0 48	2 19	0 42	10 47
M 9	22 46	11 15	4 29	24 57	1 42	19 47	0 50	23 3	0 28	21 18	0 46	22 39	0 48	2 19	0 42	10 47
T 10	22 52	5 48	3 49	25 6	1 47	20 4	0 48	23 8	0 29	21 17	0 46	22 39	0 48	2 19	0 42	10 47
W11	22 57	0n 2	2 57	25 14	1 51	20 20	0 45	23 14	0 29	21 16	0 45	22 39	0 48	2 19	0 42	10 47
T 12	23 2	6 3	1 55	25 20	1 54	20 36	0 43	23 19	0 30	21 15	0 45	22 39	0 48	2 19	0 42	10 48
F 13	23 7	12 0	0 44	25 25	1 58	20 51	0 41	23 23	0 30	21 14	0 45	22 39	0 48	2 19	0 42	10 48
S 14	23 11	17 34	0n32	25 28	2 1	21 5	0 39	23 28	0 31	21 13	0 45	22 39	0 48	2 19	0 42	10 48
S 15	23 14	22 19	1 48	25 30	2 4	21 19	0 36	23 32	0 31	21 12	0 45	22 39	0 48	2 19	0 42	10 48
M16	23 18	25 45	2 59	25 30	2 6	21 32	0 34	23 36	0 32	21 11	0 45	22 39	0 48	2 19	0 42	10 48
T 17	23 20	27 24	3 58	25 29	2 8	21 45	0 32	23 40	0 33	21 10	0 44	22 39	0 47	2 19	0 42	10 48
W18	23 23	27 0	4 41	25 26	2 10	21 56	0 29	23 43	0 33	21 9	0 44	22 39	0 47	2 19	0 42	10 48
T 19	23 24	24 37	5 4	25 22	2 12	22 8	0 27	23 47	0 34	21 8	0 44	22 39	0 47	2 19	0 42	10 49
F 20	23 26	20 36	5 6	25 16	2 13	22 18	0 25	23 50	0 34	21 7	0 44	22 39	0 47	2 19	0 42	10 49
S 21	23 27	15 24	4 49	25 9	2 13	22 28	0 22	23 53	0 35	21 6	0 44	22 39	0 47	2 19	0 42	10 49
S 22	23 27	9 32	4 13	25 1	2 13	22 37	0 20	23 55	0 35	21 5	0 43	22 38	0 47	2 19	0 42	10 49
M23	23 27	3 22	3 25	24 50	2 13	22 46	0 17	23 58	0 36	21 4	0 43	22 38	0 47	2 20	0 42	10 49
T 24	23 26	2s47	2 26	24 39	2 12	22 54	0 15	24 0	0 36	21 4	0 43	22 38	0 47	2 20	0 42	10 50
W25	23 25	8 39	1 22	24 25	2 11	23 1	0 12	24 1	0 37	21 3	0 43	22 38	0 47	2 20	0 42	10 50
T 26	23 24	14 3	0 15	24 11	2 9	23 8	0 10	24 3	0 37	21 2	0 43	22 38	0 47	2 20	0 42	10 50
F 27	23 22	18 46	0s52	23 54	2 6	23 13	0 7	24 4	0 38	21 1	0 42	22 38	0 47	2 20	0 42	10 50
S 28	23 19	22 38	1 55	23 37	2 3	23 18	0 5	24 5	0 39	21 0	0 42	22 38	0 47	2 21	0 42	10 51
S 29	23 17	25 27	2 52	23 18	1 59	23 23	0 3	24 6	0 39	20 59	0 42	22 38	0 47	2 21	0 42	10 51
M30	23 13	27 5	3 40	22 57	1 54	23 26	0 0	24 7	0 40	20 59	0 42	22 38	0 47	2 21	0 41	10 51
T 31	23s 9	27s27	4s19	22s36	1s48	23s29	0s 2	24s 7	0s40	20n58	0s42	22s38	0n47	2n21	0s41	10n52

Julian Day Number = 2425946.5, Delta T = 24.41 sec  
Ecliptic obliquity = 23°27'01, Nutation = - 0°00'12, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 23°45'41, Lahiri = 22°52'42