



# Astrodienst Ephemeris Tables for the year 2005

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 2005  
geocentric

JANUARY 2005

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 42 58	10 <sup>39</sup> 58	9 <sup>18</sup> 18	18 <sup>24</sup> 24	19 <sup>21</sup> 6	4 <sup>21</sup> 21	17 <sup>17</sup> 17	24 <sup>0</sup> R56	3 <sup>55</sup> 55	13 <sup>51</sup> 51	22 <sup>43</sup> 43	28 <sup>0</sup> R56	28 <sup>19</sup> 19	16 <sup>47</sup> 47	25 <sup>33</sup> 33	S 1
S 2	6 46 55	11 <sup>41</sup> 07	21 <sup>32</sup> 32	19 <sup>32</sup> 32	20 <sup>21</sup> 21	5 <sup>2</sup> 2	17 <sup>23</sup> 23	24 <sup>51</sup> 51	3 <sup>57</sup> 57	13 <sup>53</sup> 53	22 <sup>46</sup> 46	28 <sup>0</sup> Y51	28 <sup>16</sup> 16	16 <sup>54</sup> 54	25 <sup>38</sup> 38	S 2
M 3	6 50 52	12 <sup>42</sup> 16	4 <sup>1</sup> 1	20 <sup>43</sup> 43	21 <sup>36</sup> 36	5 <sup>44</sup> 44	17 <sup>28</sup> 28	24 <sup>46</sup> 46	4 <sup>0</sup> 0	13 <sup>55</sup> 55	22 <sup>48</sup> 48	28 <sup>49</sup> 49	28 <sup>13</sup> 13	17 <sup>1</sup> 1	25 <sup>43</sup> 43	M 3
T 4	6 54 48	13 <sup>43</sup> 25	16 <sup>49</sup> 49	21 <sup>56</sup> 56	22 <sup>51</sup> 51	6 <sup>25</sup> 25	17 <sup>34</sup> 34	24 <sup>42</sup> 42	4 <sup>2</sup> 2	13 <sup>57</sup> 57	22 <sup>50</sup> 50	28 <sup>0</sup> D49	28 <sup>10</sup> 10	17 <sup>7</sup> 7	25 <sup>49</sup> 49	T 4
W 5	6 58 45	14 <sup>44</sup> 35	0 <sup>11</sup> 11	23 <sup>10</sup> 10	24 <sup>6</sup> 6	7 <sup>7</sup> 7	17 <sup>39</sup> 39	24 <sup>37</sup> 37	4 <sup>4</sup> 4	13 <sup>59</sup> 59	22 <sup>52</sup> 52	28 <sup>0</sup> R49	28 <sup>7</sup> 7	17 <sup>14</sup> 14	25 <sup>54</sup> 54	W 5
T 6	7 2 41	15 <sup>45</sup> 45	13 <sup>38</sup> 38	24 <sup>27</sup> 27	25 <sup>22</sup> 22	7 <sup>48</sup> 48	17 <sup>44</sup> 44	24 <sup>32</sup> 32	4 <sup>7</sup> 7	14 <sup>1</sup> 1	22 <sup>54</sup> 54	28 <sup>49</sup> 49	28 <sup>3</sup> 3	17 <sup>21</sup> 21	25 <sup>59</sup> 59	T 6
F 7	7 6 38	16 <sup>46</sup> 55	27 <sup>45</sup> 45	25 <sup>45</sup> 45	26 <sup>37</sup> 37	8 <sup>29</sup> 29	17 <sup>49</sup> 49	24 <sup>27</sup> 27	4 <sup>10</sup> 10	14 <sup>3</sup> 3	22 <sup>56</sup> 56	28 <sup>46</sup> 46	28 <sup>0</sup> 0	17 <sup>27</sup> 27	26 <sup>4</sup> 4	F 7
S 8	7 10 34	17 <sup>48</sup> 05	12 <sup>21</sup> 21	27 <sup>4</sup> 4	27 <sup>52</sup> 52	9 <sup>11</sup> 11	17 <sup>53</sup> 53	24 <sup>22</sup> 22	4 <sup>12</sup> 12	14 <sup>5</sup> 5	22 <sup>58</sup> 58	28 <sup>40</sup> 40	27 <sup>57</sup> 57	17 <sup>34</sup> 34	26 <sup>10</sup> 10	S 8
S 9	7 14 31	18 <sup>49</sup> 15	27 <sup>21</sup> 21	28 <sup>24</sup> 24	29 <sup>7</sup> 7	9 <sup>53</sup> 53	17 <sup>58</sup> 58	24 <sup>17</sup> 17	4 <sup>15</sup> 15	14 <sup>7</sup> 7	23 <sup>1</sup> 1	28 <sup>32</sup> 32	27 <sup>54</sup> 54	17 <sup>41</sup> 41	26 <sup>15</sup> 15	S 9
M10	7 18 28	19 <sup>50</sup> 26	12 <sup>38</sup> 38	29 <sup>46</sup> 46	0 <sup>22</sup> 22	10 <sup>34</sup> 34	18 <sup>2</sup> 2	24 <sup>12</sup> 12	4 <sup>17</sup> 17	14 <sup>9</sup> 9	23 <sup>3</sup> 3	28 <sup>22</sup> 22	27 <sup>51</sup> 51	17 <sup>48</sup> 48	26 <sup>20</sup> 20	M10
T 11	7 22 24	20 <sup>51</sup> 36	28 <sup>1</sup> 1	1 <sup>3</sup> 3	1 <sup>37</sup> 37	11 <sup>16</sup> 16	18 <sup>6</sup> 6	24 <sup>7</sup> 7	4 <sup>20</sup> 20	14 <sup>11</sup> 11	23 <sup>5</sup> 5	28 <sup>10</sup> 10	27 <sup>48</sup> 48	17 <sup>54</sup> 54	26 <sup>26</sup> 26	T 11
W12	7 26 21	21 <sup>52</sup> 45	13 <sup>17</sup> 17	2 <sup>32</sup> 32	2 <sup>52</sup> 52	11 <sup>57</sup> 57	18 <sup>10</sup> 10	24 <sup>2</sup> 2	4 <sup>23</sup> 23	14 <sup>14</sup> 14	23 <sup>7</sup> 7	27 <sup>58</sup> 58	27 <sup>44</sup> 44	18 <sup>1</sup> 1	26 <sup>31</sup> 31	W12
T 13	7 30 17	22 <sup>53</sup> 54	28 <sup>15</sup> 15	3 <sup>56</sup> 56	4 <sup>8</sup> 8	12 <sup>39</sup> 39	18 <sup>14</sup> 14	23 <sup>58</sup> 58	4 <sup>26</sup> 26	14 <sup>16</sup> 16	23 <sup>9</sup> 9	27 <sup>49</sup> 49	27 <sup>41</sup> 41	18 <sup>8</sup> 8	26 <sup>36</sup> 36	T 13
F 14	7 34 14	23 <sup>55</sup> 03	12 <sup>49</sup> 49	5 <sup>22</sup> 22	5 <sup>23</sup> 23	13 <sup>21</sup> 21	18 <sup>18</sup> 18	23 <sup>53</sup> 53	4 <sup>28</sup> 28	14 <sup>18</sup> 18	23 <sup>11</sup> 11	27 <sup>41</sup> 41	27 <sup>38</sup> 38	18 <sup>14</sup> 14	26 <sup>42</sup> 42	F 14
S 15	7 38 10	24 <sup>56</sup> 11	26 <sup>53</sup> 53	6 <sup>48</sup> 48	6 <sup>38</sup> 38	14 <sup>2</sup> 2	18 <sup>21</sup> 21	23 <sup>48</sup> 48	4 <sup>31</sup> 31	14 <sup>20</sup> 20	23 <sup>13</sup> 13	27 <sup>37</sup> 37	27 <sup>35</sup> 35	18 <sup>21</sup> 21	26 <sup>47</sup> 47	S 15
S 16	7 42 7	25 <sup>57</sup> 18	10 <sup>27</sup> 27	8 <sup>14</sup> 14	7 <sup>53</sup> 53	14 <sup>44</sup> 44	18 <sup>24</sup> 24	23 <sup>43</sup> 43	4 <sup>34</sup> 34	14 <sup>22</sup> 22	23 <sup>15</sup> 15	27 <sup>35</sup> 35	27 <sup>32</sup> 32	18 <sup>28</sup> 28	26 <sup>52</sup> 52	S 16
M17	7 46 3	26 <sup>58</sup> 24	23 <sup>33</sup> 33	9 <sup>42</sup> 42	9 <sup>8</sup> 8	15 <sup>26</sup> 26	18 <sup>27</sup> 27	23 <sup>38</sup> 38	4 <sup>37</sup> 37	14 <sup>24</sup> 24	23 <sup>17</sup> 17	27 <sup>34</sup> 34	27 <sup>29</sup> 29	18 <sup>35</sup> 35	26 <sup>58</sup> 58	M17
T 18	7 50 0	27 <sup>59</sup> 29	6 <sup>15</sup> 15	11 <sup>10</sup> 10	10 <sup>23</sup> 23	16 <sup>8</sup> 8	18 <sup>30</sup> 30	23 <sup>33</sup> 33	4 <sup>40</sup> 40	14 <sup>27</sup> 27	23 <sup>19</sup> 19	27 <sup>34</sup> 34	27 <sup>25</sup> 25	18 <sup>41</sup> 41	27 <sup>3</sup> 3	T 18
W19	7 53 57	29 <sup>0</sup> 34	18 <sup>39</sup> 39	12 <sup>39</sup> 39	11 <sup>39</sup> 39	16 <sup>50</sup> 50	18 <sup>33</sup> 33	23 <sup>28</sup> 28	4 <sup>43</sup> 43	14 <sup>29</sup> 29	23 <sup>21</sup> 21	27 <sup>33</sup> 33	27 <sup>22</sup> 22	18 <sup>48</sup> 48	27 <sup>8</sup> 8	W19
T 20	7 57 53	0 <sup>1</sup> 38	0 <sup>11</sup> 48	14 <sup>8</sup> 8	12 <sup>54</sup> 54	17 <sup>31</sup> 31	18 <sup>36</sup> 36	23 <sup>23</sup> 23	4 <sup>46</sup> 46	14 <sup>31</sup> 31	23 <sup>23</sup> 23	27 <sup>30</sup> 30	27 <sup>19</sup> 19	18 <sup>55</sup> 55	27 <sup>14</sup> 14	T 20
F 21	8 1 50	1 <sup>2</sup> 41	12 <sup>48</sup> 48	15 <sup>39</sup> 39	14 <sup>9</sup> 9	18 <sup>13</sup> 13	18 <sup>38</sup> 38	23 <sup>18</sup> 18	4 <sup>49</sup> 49	14 <sup>33</sup> 33	23 <sup>24</sup> 24	27 <sup>24</sup> 24	27 <sup>16</sup> 16	19 <sup>2</sup> 2	27 <sup>19</sup> 19	F 21
S 22	8 5 46	2 <sup>3</sup> 43	24 <sup>42</sup> 42	17 <sup>9</sup> 9	15 <sup>24</sup> 24	18 <sup>55</sup> 55	18 <sup>40</sup> 40	23 <sup>13</sup> 13	4 <sup>52</sup> 52	14 <sup>35</sup> 35	23 <sup>26</sup> 26	27 <sup>16</sup> 16	27 <sup>13</sup> 13	19 <sup>8</sup> 8	27 <sup>24</sup> 24	S 22
S 23	8 9 43	3 <sup>4</sup> 44	6 <sup>34</sup> 34	18 <sup>41</sup> 41	16 <sup>39</sup> 39	19 <sup>37</sup> 37	18 <sup>42</sup> 42	23 <sup>8</sup> 8	4 <sup>55</sup> 55	14 <sup>38</sup> 38	23 <sup>28</sup> 28	27 <sup>4</sup> 4	27 <sup>9</sup> 9	19 <sup>15</sup> 15	27 <sup>30</sup> 30	S 23
M24	8 13 39	4 <sup>5</sup> 45	18 <sup>26</sup> 26	20 <sup>13</sup> 13	17 <sup>54</sup> 54	20 <sup>19</sup> 19	18 <sup>44</sup> 44	23 <sup>4</sup> 4	4 <sup>58</sup> 58	14 <sup>40</sup> 40	23 <sup>30</sup> 30	26 <sup>50</sup> 50	27 <sup>6</sup> 6	19 <sup>22</sup> 22	27 <sup>35</sup> 35	M24
T 25	8 17 36	5 <sup>6</sup> 44	0 <sup>19</sup> 19	21 <sup>45</sup> 45	19 <sup>10</sup> 10	21 <sup>1</sup> 1	18 <sup>46</sup> 46	22 <sup>59</sup> 59	5 <sup>1</sup> 1	14 <sup>42</sup> 42	23 <sup>32</sup> 32	26 <sup>35</sup> 35	27 <sup>3</sup> 3	19 <sup>28</sup> 28	27 <sup>40</sup> 40	T 25
W26	8 21 32	6 <sup>7</sup> 43	12 <sup>16</sup> 16	23 <sup>18</sup> 18	20 <sup>25</sup> 25	21 <sup>43</sup> 43	18 <sup>47</sup> 47	22 <sup>54</sup> 54	5 <sup>4</sup> 4	14 <sup>44</sup> 44	23 <sup>34</sup> 34	26 <sup>21</sup> 21	27 <sup>0</sup> 0	19 <sup>35</sup> 35	27 <sup>46</sup> 46	W26
T 27	8 25 29	7 <sup>8</sup> 41	24 <sup>16</sup> 16	24 <sup>52</sup> 52	21 <sup>40</sup> 40	22 <sup>25</sup> 25	18 <sup>48</sup> 48	22 <sup>49</sup> 49	5 <sup>7</sup> 7	14 <sup>47</sup> 47	23 <sup>35</sup> 35	26 <sup>7</sup> 7	26 <sup>57</sup> 57	19 <sup>42</sup> 42	27 <sup>51</sup> 51	T 27
F 28	8 29 26	8 <sup>9</sup> 38	6 <sup>11</sup> 22	26 <sup>27</sup> 27	22 <sup>55</sup> 55	23 <sup>7</sup> 7	18 <sup>49</sup> 49	22 <sup>45</sup> 45	5 <sup>10</sup> 10	14 <sup>49</sup> 49	23 <sup>37</sup> 37	25 <sup>56</sup> 56	26 <sup>54</sup> 54	19 <sup>49</sup> 49	27 <sup>56</sup> 56	F 28
S 29	8 33 22	9 <sup>10</sup> 34	18 <sup>34</sup> 34	28 <sup>2</sup> 2	24 <sup>10</sup> 10	23 <sup>49</sup> 49	18 <sup>50</sup> 50	22 <sup>40</sup> 40	5 <sup>14</sup> 14	14 <sup>51</sup> 51	23 <sup>39</sup> 39	25 <sup>48</sup> 48	26 <sup>50</sup> 50	19 <sup>55</sup> 55	28 <sup>1</sup> 1	S 29
S 30	8 37 19	10 <sup>11</sup> 30	0 <sup>1</sup> 56	29 <sup>38</sup> 38	25 <sup>25</sup> 25	24 <sup>31</sup> 31	18 <sup>51</sup> 51	22 <sup>35</sup> 35	5 <sup>17</sup> 17	14 <sup>54</sup> 54	23 <sup>41</sup> 41	25 <sup>42</sup> 42	26 <sup>47</sup> 47	20 <sup>2</sup> 2	28 <sup>7</sup> 7	S 30
M31	8 41 15	11 <sup>12</sup> 24	13 <sup>1</sup> 29	1 <sup>14</sup> 14	26 <sup>3</sup> 41	25 <sup>1</sup> 14	18 <sup>51</sup> 51	22 <sup>31</sup> 31	5 <sup>1</sup> 20	14 <sup>56</sup> 56	23 <sup>42</sup> 42	25 <sup>40</sup> 40	26 <sup>44</sup> 44	20 <sup>9</sup> 9	28 <sup>12</sup> 12	M31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23s 1	11n39	3n51	21s17	1n39	22s15	0n44	20s52	0n 9	5s36	1n18	21n 8	0s 1	10s46	0s45	16s46	0s 5	15s12	8n 3	11n 6	10n53	27n23	14s40	6n28	
S 2	22 56	6 10	3 4	21 32	1 30	22 24	0 42	21 0	0 9	5 37	1 18	21 9	0 1	10 45	0 45	16 45	0 5	15 12	8 3	11 4	10 52	27 23	14 40	6 28	
M 3	22 50	0 21	2 7	21 45	1 22	22 31	0 39	21 8	0 8	5 39	1 18	21 10	0 1	10 44	0 45	16 44	0 6	15 12	8 3	11 3	10 50	27 22	14 39	6 28	
T 4	22 44	5s38	1 3	21 59	1 13	22 38	0 37	21 15	0 8	5 41	1 18	21 11	0 1	10 43	0 45	16 44	0 6	15 13	8 3	11 3	10 49	27 21	14 38	6 28	
W 5	22 38	11 34	0s 6	22 12	1 4	22 44	0 34	21 23	0 7	5 43	1 19	21 12	0 0	10 42	0 45	16 43	0 6	15 13	8 3	11 3	10 48	27 20	14 37	6 27	
T 6	22 31	17 10	1 18	22 24	0 56	22 50	0 32	21 31	0 6	5 45	1 19	21 13	0 0	10 41	0 44	16 43	0 6	15 13	8 3	11 3	10 47	27 20	14 36	6 27	
F 7	22 23	22 2	2 27	22 35	0 47	22 55	0 29	21 38	0 6	5 46	1 19	21 14	0 0	10 41	0 44	16 42	0 6	15 13	8 3	11 2	10 46	27 19	14 35	6 27	
S 8	22 15	25 43	3 28	22 46	0 39	22 59	0 27	21 45	0 5	5 48	1 19	21 15	0 0	10 40	0 44	16 42	0 6	15 13	8 3	11 0	10 45	27 18	14 34	6 27	
S 9	22 7	27 42	4 17	22 55	0 30	23 2	0 24	21 52	0 4	5 49	1 20	21 16	0n 0	10 39	0 44	16 41	0 6	15 13	8 3	10 57	10 44	27 17	14 34	6 27	
M10	21 58	27 38	4 49	23 4	0 22	23 5	0 21	21 58	0 4	5 51	1 20	21 17	0 0	10 38	0 44	16 40	0 6	15 13	8 3	10 54	10 43	27 17	14 33	6 27	
T 11	21 49	25 27	5 0	23 12	0 14	23 7	0 19	22 5	0 3	5 52	1 20	21 18	0 0	10 37	0 44	16 40	0 6	15 13	8 3	10 49	10 41	27 16	14 32	6 27	
W12	21 40	21 27	4 50	23 19	0 6	23 8	0 16	22 11	0 2	5 53	1 20	21 19	0 0	10 36	0 44	16 39	0 6	15 13	8 3	10 45	10 40	27 15	14 31	6 27	
T 13	21 30	16 8	4 19	23 25	0s 2	23 9	0 14	22 17	0 1	5 54	1 21	21 19	0 0	10 34	0 44	16 38	0 6	15 13	8 3	10 42	10 39	27 14	14 30	6 27	
F 14	21 19	10 1	3 33	23 29	0 9	23 9	0 11	22 23	0 1	5 56	1 21	21 20	0 1	10 33	0 44	16 38	0 6	15 13	8 3	10 39	10 38	27 14	14 29	6 27	
S 15	21 9	3 36	2 34	23 33	0 17	23 8	0 9	22 29	0 0	5 57	1 21	21 21	0 1	10 32	0 44	16 37	0 6	15 14	8 3	10 37	10 37	27 13	14 28	6 27	
S 16	20 57	2n46	1 29	23 35	0 24	23 6	0 6	22 35	0s 1	5 58	1 21	21 22	0 1	10 31	0 44	16 37	0 6	15 14	8 3	10 37	10 36	27 12	14 27	6 27	
M17	20 46	8 49	0 21	23 36	0 31	23 4	0 3	22 40	0 1	5 59	1 22	21 23	0 1	10 30	0 44	16 36	0 6	15 14	8 3	10 37	10 35	27 11	14 26	6 27	
T 18	20 34	14 20	0n46	23 36	0 38	23 1	0 1	22 45	0 2	5 59	1 22	21 24	0 1	10 29	0 44	16 35	0 6	15 14	8 3	10 37	10 33	27 10	14 25	6 27	
W19	20 22	19 7	1 49	23 35	0 45	22 58	0s 2	22 50	0 3	6 0	1 22	21 25	0 1	10 28	0 44	16 35	0 6	15 14	8 3	10 36	10 32	27 10	14 24	6 27	
T 20	20 9	23 1	2 46	23 33	0 52	22 53	0 4	22 55	0 3	6 1	1 22	21 26	0 1	10 27	0 44	16 34	0 6	15 14	8 3	10 35	10 31	27 9	14 23	6 27	
F 21	19 56	25 53	3 34	23 29	0 58	22 48	0 7	22 59	0 4	6 2	1 23	21 27	0 1	10 26	0 44	16 33	0 6	15 14	8 3	10 33	10 30	27 8	14 22	6 27	
S 22	19 42	27 33	4 13	23 24	1 4	22 42	0 9	23 4	0 5	6 2	1 23	21 28	0 1	10 25	0 44	16 33	0 6	15 14	8 3	10 30	10 29	27 7	14 21	6 27	
S 23	19 28	27 57	4 41	23 17	1 10	22 36	0 12	23 8	0 6	6 3	1 23	21 29	0 2	10 24	0 44	16 32	0 6	15 14	8 4	10 26	10 28	27 6	14 20	6 27	
M24	19 14	27 3	4 56	23 10	1 15	22 29	0 14	23 12	0 6	6 3	1 23	21 30	0 2	10 22	0 44	16 32	0 6	15 14	8 4	10 21	10 27	27 5	14 19	6 27	
T 25	18 59	24 56	4 59	23 1	1 21	22 21	0 17	23 15	0 7	6 4	1 24	21 31	0 2	10 21	0 44	16 31	0 6	15 14	8 4	10 15	10 25	27 4	14 18	6 27	
W26	18 44	21 43	4 48	22 50	1 26	22 12	0 19	23 19	0 8	6 4	1 24	21 32	0 2	10 20	0 44	16 30	0 6	15 14	8 4	10 10	10 24	27 4	14 17	6 27	
T 27	18 29	17 35	4 25	22 39	1 31	22 3	0 22	23 22	0 9	6 4	1 24	21 33	0 2	10 19	0 44	16 30	0 6	15 14	8 4	10 5	10 23	27 3	14 16	6 27	
F 28	18 14	12 43	3 49	22 25	1 35	21 53	0 24	23 25	0 9	6 4	1 24	21 33	0 2	10 18	0 44	16 29	0 6	15 14	8 4	10 1	10 22	27 2	14 14	6 28	
S 29	17 58	7 19	3 3	22 11	1 40	21 43	0 26	23 28	0 10	6 4	1 25	21 34	0 2	10 17	0 44	16 28	0 6	15 14	8 4	9 58	10 21	27 1	14 13	6 28	
S 30	17 41	1 34	2 7	21 55	1 44	21 32	0 29	23 31	0 11	6 4	1 25	21 35	0 2	10 15	0 44	16 28	0 6	15 14	8 4	9 56	10 20	27 0	14 12	6 28	
M31	17s25	4s20	1n 4	21s38	1s47	21s20	0s31	23s33	0s12	6s 4	1n25	21n36	0n 2	10s14	0s44	16s27	0s 6	15s14	8n 4	9n55	10n19	26n59	14s11	6n28	

# ASTRODIENST EPHEMERIS for the year 2005

## geocentric

FEBRUARY 2005

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 45 12	12°13'18"	26°17'	2°51'	27°56'	25°56'	18°52'	22°R26	5°23'	14°58'	23°44'	25°D39	26°Y41	20°15'	28°17'	T 1
W 2	8 49 8	13°14'12"	9°12'24"	4°29'	29°11'	26°38'	18°R52	22°22'	5°26'	15° 0'	23°46'	25°R39	26°38'	20°22'	28°22'	W 2
T 3	8 53 5	14°15'04"	22°54'	6° 7'	0°26'	27°20'	18°52'	22°17'	5°30'	15° 3'	23°47'	25°Y39	26°35'	20°29'	28°27'	T 3
F 4	8 57 1	15°15'56"	6°48'	7°47'	1°41'	28° 3'	18°51'	22°13'	5°33'	15° 5'	23°49'	25°37'	26°31'	20°36'	28°33'	F 4
S 5	9 0 58	16°16'47"	21° 8'	9°27'	2°56'	28°45'	18°51'	22° 9'	5°36'	15° 7'	23°50'	25°33'	26°28'	20°42'	28°38'	S 5
S 6	9 4 55	17°17'37"	5°51'	11° 8'	4°11'	29°27'	18°50'	22° 5'	5°40'	15° 9'	23°52'	25°26'	26°25'	20°49'	28°43'	S 6
M 7	9 8 51	18°18'26"	20°52'	12°49'	5°27'	0°10'	18°49'	22° 0'	5°43'	15°12'	23°53'	25°17'	26°22'	20°56'	28°48'	M 7
T 8	9 12 48	19°19'14"	6° 4'	14°31'	6°42'	0°52'	18°48'	21°56'	5°46'	15°14'	23°55'	25° 7'	26°19'	21° 3'	28°53'	T 8
W 9	9 16 44	20°20'01"	21°14'	16°15'	7°57'	1°34'	18°47'	21°52'	5°50'	15°16'	23°56'	24°57'	26°15'	21° 9'	28°58'	W 9
T 10	9 20 41	21°20'46"	6°13'	17°58'	9°12'	2°17'	18°46'	21°48'	5°53'	15°19'	23°58'	24°48'	26°12'	21°16'	29° 3'	T 10
F 11	9 24 37	22°21'30"	20°52'	19°43'	10°27'	2°59'	18°44'	21°44'	5°56'	15°21'	23°59'	24°41'	26° 9'	21°23'	29° 8'	F 11
S 12	9 28 34	23°22'13"	5°Y 4'	21°29'	11°42'	3°42'	18°42'	21°40'	6° 0'	15°23'	24° 1'	24°37'	26° 6'	21°29'	29°13'	S 12
S 13	9 32 30	24°22'54"	18°47'	23°15'	12°57'	4°24'	18°40'	21°37'	6° 3'	15°25'	24° 2'	24°D35	26° 3'	21°36'	29°18'	S 13
M14	9 36 27	25°23'33"	2° 1'	25° 2'	14°12'	5° 7'	18°38'	21°33'	6° 7'	15°28'	24° 3'	24°35'	26° 0'	21°43'	29°23'	M14
T 15	9 40 24	26°24'10"	14°50'	26°50'	15°27'	5°50'	18°36'	21°29'	6°10'	15°30'	24° 5'	24°36'	25°56'	21°50'	29°28'	T 15
W16	9 44 20	27°24'46"	27°17'	28°39'	16°43'	6°32'	18°33'	21°26'	6°13'	15°32'	24° 6'	24°R37	25°53'	21°56'	29°33'	W16
T 17	9 48 17	28°25'20"	9°12'28"	0°29'	17°58'	7°15'	18°31'	21°22'	6°17'	15°34'	24° 7'	24°36'	25°50'	22° 3'	29°38'	T 17
F 18	9 52 13	29°25'53"	21°28'	2°19'	19°13'	7°57'	18°28'	21°19'	6°20'	15°37'	24° 8'	24°33'	25°47'	22°10'	29°42'	F 18
S 19	9 56 10	0°26'23"	3°21'	4°10'	20°28'	8°40'	18°25'	21°16'	6°24'	15°39'	24° 9'	24°28'	25°44'	22°17'	29°47'	S 19
S 20	10 0 6	1°26'52"	15°12'	6° 1'	21°43'	9°23'	18°21'	21°13'	6°27'	15°41'	24°11'	24°21'	25°41'	22°23'	29°52'	S 20
M21	10 4 3	2°27'19"	27° 4'	7°53'	22°58'	10° 5'	18°18'	21°10'	6°31'	15°43'	24°12'	24°12'	25°37'	22°30'	29°57'	M21
T 22	10 7 59	3°27'45"	9° 0'	9°46'	24°13'	10°48'	18°14'	21° 7'	6°34'	15°45'	24°13'	24° 2'	25°34'	22°37'	0° 1'	T 22
W23	10 11 56	4°28'08"	21° 2'	11°38'	25°28'	11°31'	18°11'	21° 4'	6°37'	15°48'	24°14'	23°51'	25°31'	22°43'	0° 6'	W23
T 24	10 15 53	5°28'30"	3°11'	13°31'	26°43'	12°14'	18° 7'	21° 1'	6°41'	15°50'	24°15'	23°42'	25°28'	22°50'	0°10'	T 24
F 25	10 19 49	6°28'50"	15°29'	15°24'	27°58'	12°57'	18° 3'	20° 58'	6°44'	15°52'	24°16'	23°35'	25°25'	22°57'	0°15'	F 25
S 26	10 23 46	7°29'08"	27°55'	17°17'	29°13'	13°39'	17°58'	20°55'	6°48'	15°54'	24°17'	23°29'	25°21'	23° 4'	0°20'	S 26
S 27	10 27 42	8°29'25"	10°32'	19° 9'	0°28'	14°22'	17°54'	20°53'	6°51'	15°56'	24°18'	23°26'	25°18'	23°10'	0°24'	S 27
M28	10 31 39	9°29'40"	23°20'	21°1'	1°43'	15°35'	17°49'	20°50'	6°55'	15°58'	24°19'	23°D26	25°Y15	23°17'	0°28'	M28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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Julian Day Number = 2453402.5, Delta T = 64.70 sec

Ecliptic obliquity = 23°26'27", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°48'41", Lahiri = 23°55'41"

## ASTRODIENST EPHEMERIS for the year 2005

geocentric

MARCH 2005

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 35 35	10°35'54	6°11'21	22°51'51	2°58'58	15°48'48	17°44'44	20°48'48	6°58'58	16°00'00	24°20'20	23°26'26	25°12'12	23°24'24	0°33'33	T 1	
W 2	10 39 32	11°30'06	19°36'36	24°40'40	4°13'13	16°31'31	17°40'40	20°46'46	7°02'02	16°03'03	24°20'20	23°28'28	25°09'09	23°30'30	0°37'37	W 2	
T 3	10 43 28	12°30'17	3°08'08	26°27'27	5°28'28	17°14'14	17°34'34	20°44'44	7°05'05	16°05'05	24°21'21	23°29'29	25°06'06	23°37'37	0°42'42	T 3	
F 4	10 47 25	13°30'26	16°57'57	28°12'12	6°42'42	17°57'57	17°29'29	20°42'42	7°08'08	16°07'07	24°22'22	23°R29	25°02'02	23°44'44	0°46'46	F 4	
S 5	10 51 22	14°30'34	1°03'03	29°53'53	7°57'57	18°40'40	17°24'24	20°40'40	7°12'12	16°09'09	24°23'23	23°28'28	24°59'59	23°51'51	0°50'50	S 5	
S 6	10 55 18	15°30'40	15°29'29	1°03'32	9°12'12	19°23'23	17°18'18	20°38'38	7°15'15	16°11'11	24°23'23	23°25'25	24°56'56	23°57'57	0°54'54	S 6	
M 7	10 59 15	16°30'45	0°00'00	3°07'07	10°27'27	20°06'06	17°13'13	20°36'36	7°19'19	16°13'13	24°24'24	23°21'21	24°53'53	24°04'04	0°58'58	M 7	
T 8	11 03 11	17°30'48	14°53'53	4°37'37	11°42'42	20°49'49	17°07'07	20°35'35	7°22'22	16°15'15	24°25'25	23°15'15	24°50'50	24°11'11	1°02'02	T 8	
W 9	11 07 08	18°30'49	29°40'40	6°02'02	12°57'57	21°32'32	17°01'01	20°33'33	7°26'26	16°17'17	24°25'25	23°10'10	24°46'46	24°18'18	1°07'07	W 9	
T 10	11 11 04	19°30'48	14°02'02	7°22'22	14°12'12	22°15'15	16°55'55	20°32'32	7°29'29	16°19'19	24°26'26	23°05'05	24°43'43	24°24'24	1°11'11	T 10	
F 11	11 15 01	20°30'46	28°47'47	8°36'36	15°27'27	22°58'58	16°49'49	20°31'31	7°32'32	16°21'21	24°27'27	23°01'01	24°40'40	24°31'31	1°14'14	F 11	
S 12	11 18 57	21°30'41	12°03'03	9°43'43	16°41'41	23°42'42	16°43'43	20°29'29	7°36'36	16°23'23	24°27'27	23°00'00	24°37'37	24°38'38	1°18'18	S 12	
S 13	11 22 54	22°30'35	26°35'35	10°44'44	17°56'56	24°25'25	16°36'36	20°28'28	7°39'39	16°25'25	24°28'28	22°D59	24°34'34	24°44'44	1°22'22	S 13	
M14	11 26 51	23°30'26	9°05'05	11°37'37	19°11'11	25°08'08	16°30'30	20°27'27	7°42'42	16°27'27	24°28'28	23°00'00	24°31'31	24°51'51	1°26'26	M14	
T 15	11 30 47	24°30'16	22°47'47	12°22'22	20°26'26	25°51'51	16°23'23	20°26'26	7°46'46	16°29'29	24°28'28	23°02'02	24°27'27	24°58'58	1°30'30	T 15	
W16	11 34 44	25°30'03	5°11'11	12°59'59	21°41'41	26°34'34	16°16'16	20°26'26	7°49'49	16°31'31	24°29'29	23°03'03	24°24'24	25°05'05	1°33'33	W16	
T 17	11 38 40	26°29'48	17°35'35	13°29'29	22°55'55	27°18'18	16°09'09	20°25'25	7°52'52	16°32'32	24°29'29	23°05'05	24°21'21	25°11'11	1°37'37	T 17	
F 18	11 42 37	27°29'30	29°38'38	13°49'49	24°10'10	28°01'01	16°02'02	20°25'25	7°56'56	16°34'34	24°30'30	23°R05	24°18'18	25°18'18	1°41'41	F 18	
S 19	11 46 33	28°29'11	11°03'03	14°02'02	25°25'25	28°44'44	15°55'55	20°24'24	7°59'59	16°36'36	24°30'30	23°04'04	24°15'15	25°25'25	1°44'44	S 19	
S 20	11 50 30	29°28'49	23°25'25	14°R06	26°40'40	29°27'27	15°48'48	20°24'24	8°02'02	16°38'38	24°30'30	23°02'02	24°12'12	25°31'31	1°48'48	S 20	
M21	11 54 26	0°03'03	5°02'02	14°02'02	27°54'54	0°00'00	15°41'41	20°24'24	8°06'06	16°40'40	24°30'30	22°59'59	24°08'08	25°38'38	1°51'51	M21	
T 22	11 58 23	1°27'58	17°17'17	13°50'50	29°09'09	0°54'54	15°34'34	20°D24	8°09'09	16°41'41	24°30'30	22°56'56	24°05'05	25°45'45	1°54'54	T 22	
W23	12 02 20	2°27'30	29°24'24	13°31'31	0°03'03	1°37'37	15°27'27	20°24'24	8°12'12	16°43'43	24°31'31	22°53'53	24°02'02	25°52'52	1°58'58	W23	
T 24	12 06 16	3°26'59	11°04'04	13°05'05	1°38'38	2°21'21	15°19'19	20°24'24	8°15'15	16°45'45	24°31'31	22°49'49	23°59'59	25°58'58	2°01'01	T 24	
F 25	12 10 13	4°26'26	24°12'12	12°33'33	2°53'53	3°04'04	15°12'12	20°24'24	8°18'18	16°47'47	24°31'31	22°47'47	23°56'56	26°05'05	2°04'04	F 25	
S 26	12 14 09	5°25'51	6°05'05	11°55'55	4°07'07	3°48'48	15°04'04	20°24'24	8°22'22	16°48'48	24°31'31	22°45'45	23°52'52	26°12'12	2°07'07	S 26	
S 27	12 18 06	6°25'13	19°52'52	11°12'12	5°22'22	4°31'31	14°57'57	20°25'25	8°25'25	16°50'50	24°R31	22°D45	23°49'49	26°19'19	2°10'10	S 27	
M28	12 22 02	7°24'34	3°11'11	10°26'26	6°37'37	5°14'14	14°49'49	20°26'26	8°28'28	16°52'52	24°31'31	22°45'45	23°46'46	26°25'25	2°13'13	M28	
T 29	12 25 59	8°23'53	16°02'02	9°38'38	7°51'51	5°58'58	14°42'42	20°26'26	8°31'31	16°53'53	24°31'31	22°46'46	23°43'43	26°32'32	2°16'16	T 29	
W30	12 29 55	9°23'11	0°02'02	8°47'47	9°06'06	6°41'41	14°34'34	20°27'27	8°34'34	16°55'55	24°31'31	22°47'47	23°40'40	26°39'39	2°19'19	W30	
T 31	12 33 52	10°03'22	13°04'04	7°05'57	10°02'02	7°00'00	14°02'02	20°28'28	8°37'37	16°56'56	24°03'03	22°Y48	23°03'03	26°04'04	2°22'22	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s38	14s44	1s 9	3s16	0s28	11s39	1s20	23s 6	0s36	5s33	1n32	21n55	0n 5	9s38	0s44	16s 8	0s 6
W 2	7 15	19 50	2 17	2 23	0 17	11 13	1 21	23 2	0 37	5 31	1 32	21 56	0 5	9 37	0 44	16 8	0 6
T 3	6 52	24 2	3 18	1 30	0 5	10 46	1 21	22 57	0 38	5 28	1 32	21 56	0 6	9 35	0 44	16 7	0 6
F 4	6 29	26 57	4 10	0 37	0n 7	10 19	1 22	22 53	0 39	5 26	1 33	21 56	0 6	9 34	0 44	16 6	0 6
S 5	6 6	28 13	4 47	0n15	0 19	9 52	1 23	22 48	0 40	5 24	1 33	21 57	0 6	9 33	0 44	16 6	0 6
S 6	5 43	27 38	5 7	1 6	0 35	9 25	1 24	22 43	0 41	5 22	1 33	21 57	0 6	9 32	0 44	16 5	0 6
M 7	5 19	25 9	5 8	1 56	0 42	8 57	1 24	22 37	0 42	5 20	1 33	21 58	0 6	9 30	0 44	16 5	0 6
T 8	4 56	20 58	4 49	2 44	0 59	8 29	1 25	22 32	0 42	5 17	1 33	21 58	0 6	9 29	0 44	16 4	0 6
W 9	4 33	15 29	4 10	3 30	1 12	8 0	1 25	22 26	0 43	5 15	1 33	21 58	0 6	9 28	0 44	16 3	0 6
T 10	4 9	9 10	3 15	4 14	1 26	7 32	1 25	22 20	0 44	5 12	1 34	21 58	0 6	9 26	0 44	16 3	0 6
F 11	3 46	2 27	2 8	4 56	1 39	7 3	1 26	22 14	0 45	5 10	1 34	21 59	0 6	9 25	0 44	16 2	0 6
S 12	3 22	4n15	0 55	5 35	1 53	6 34	1 26	22 7	0 46	5 7	1 34	21 59	0 6	9 24	0 44	16 2	0 6
S 13	2 58	10 34	0n20	6 11	2 6	6 5	1 26	22 1	0 47	5 5	1 34	21 59	0 6	9 23	0 44	16 1	0 6
M14	2 35	16 13	1 31	6 43	2 18	5 36	1 26	21 54	0 48	5 2	1 34	22 0	0 7	9 21	0 44	16 0	0 6
T 15	2 11	20 59	2 36	7 12	2 30	5 7	1 26	21 47	0 49	4 59	1 34	22 0	0 7	9 20	0 44	16 0	0 6
W16	1 47	24 39	3 31	7 37	2 41	4 37	1 26	21 40	0 50	4 57	1 34	22 0	0 7	9 19	0 44	15 59	0 6
T 17	1 24	27 6	4 16	7 57	2 52	4 8	1 26	21 32	0 51	4 54	1 35	22 0	0 7	9 18	0 44	15 59	0 6
F 18	1 0	28 15	4 48	8 14	3 1	3 38	1 26	21 25	0 52	4 51	1 35	22 0	0 7	9 17	0 44	15 58	0 6
S 19	0 36	28 3	5 8	8 26	3 9	3 8	1 26	21 17	0 53	4 48	1 35	22 0	0 7	9 15	0 44	15 58	0 6
S 20	0 12	26 34	5 14	8 34	3 16	2 38	1 26	21 9	0 54	4 46	1 35	22 1	0 7	9 14	0 44	15 57	0 6
M21	0n11	23 54	5 7	8 38	3 22	2 8	1 25	21 0	0 55	4 43	1 35	22 1	0 7	9 13	0 44	15 57	0 6
T 22	0 35	20 12	4 46	8 37	3 26	1 38	1 25	20 52	0 56	4 40	1 35	22 1	0 7	9 12	0 44	15 56	0 6
W23	0 59	15 37	4 13	8 32	3 28	1 8	1 24	20 43	0 57	4 37	1 35	22 1	0 7	9 11	0 44	15 56	0 6
T 24	1 22	10 22	3 27	8 22	3 29	0 38	1 24	20 35	0 58	4 34	1 35	22 1	0 7	9 9	0 44	15 55	0 6
F 25	1 46	4 37	2 31	8 8	3 27	0 8	1 23	20 26	0 59	4 31	1 35	22 1	0 8	9 8	0 44	15 55	0 6
S 26	2 9	1s26	1 26	7 51	3 24	0n22	1 23	20 16	1 0	4 28	1 35	22 1	0 8	9 7	0 44	15 54	0 6
S 27	2 33	7 32	0 16	7 30	3 20	0 53	1 22	20 7	1 1	4 25	1 35	22 1	0 8	9 6	0 44	15 54	0 6
M28	2 56	13 25	0s57	7 6	3 13	1 23	1 21	19 58	1 2	4 22	1 35	22 1	0 8	9 5	0 44	15 53	0 6
T 29	3 20	18 47	2 7	6 39	3 5	1 53	1 20	19 48	1 3	4 19	1 35	22 1	0 8	9 4	0 44	15 53	0 6
W30	3 43	23 17	3 12	6 10	2 55	2 23	1 20	19 38	1 4	4 16	1 36	22 1	0 8	9 2	0 44	15 52	0 6
T 31	4n 6	26s32	4s 6	5n39	2n44	2n53	1s19	19s28	1s 5	4s13	1n36	22n 1	0n 8	9s 1	0s44	15s52	0s 6

Julian Day Number = 2453430.5, Delta T = 64.71 sec

Ecliptic obliquity = 23°26'28", Nutation = - 0°00'07", out-of-bounds declination in red

# ASTRODIENST EPHEMERIS for the year 2005

## geocentric

APRIL 2005

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 37 48	11°21'40	27°47	7°R 6	11°35	8°8	14°R19	20°29	8°40	16°58	24°R31	22°Y49	23°Y33	26°52	2°25	F 1
S 2	12 41 45	12°20'52	11°53	6°Y17	12°49	8°52	14°11	20°30	8°43	16°59	24°30	22°R49	23°30	26°59	2°27	S 2
S 3	12 45 42	13°20'02	26° 7	5°31	14° 4	9°35	14° 3	20°31	8°46	17° 1	24°30	22°49	23°27	27° 6	2°30	S 3
M 4	12 49 38	14°19'11	10°26	4°47	15°18	10°19	13°56	20°33	8°49	17° 2	24°30	22°48	23°24	27°12	2°32	M 4
T 5	12 53 35	15°18'18	24°46	4° 7	16°33	11° 2	13°48	20°34	8°52	17° 4	24°30	22°47	23°21	27°19	2°35	T 5
W 6	12 57 31	16°17'23	9°5	3°32	17°47	11°46	13°40	20°36	8°55	17° 5	24°29	22°46	23°18	27°26	2°37	W 6
T 7	13 1 28	17°16'25	23°17	3° 1	19° 1	12°29	13°32	20°38	8°58	17° 6	24°29	22°46	23°14	27°33	2°40	T 7
F 8	13 5 24	18°15'27	7°Y18	2°35	20°16	13°13	13°25	20°39	9° 1	17° 8	24°29	22°45	23°11	27°39	2°42	F 8
S 9	13 9 21	19°14'26	21° 4	2°14	21°30	13°56	13°17	20°41	9° 4	17° 9	24°28	22°D45	23° 8	27°46	2°44	S 9
S 10	13 13 17	20°13'23	4°33	1°59	22°45	14°40	13° 9	20°43	9° 6	17°10	24°28	22°45	23° 5	27°53	2°46	S 10
M 11	13 17 14	21°12'18	17°44	1°49	23°59	15°24	13° 2	20°45	9° 9	17°12	24°27	22°45	23° 2	27°59	2°48	M 11
T 12	13 21 11	22°11'11	0°35	1°D45	25°13	16° 7	12°54	20°48	9°12	17°13	24°27	22°46	22°58	28° 6	2°50	T 12
W 13	13 25 7	23°10'02	13° 8	1°46	26°28	16°51	12°47	20°50	9°15	17°14	24°26	22°R46	22°55	28°13	2°52	W 13
T 14	13 29 4	24° 8'50	25°25	1°52	27°42	17°34	12°39	20°52	9°17	17°15	24°26	22°45	22°52	28°20	2°54	T 14
F 15	13 33 0	25° 7'37	7°30	2° 3	28°56	18°18	12°32	20°55	9°20	17°16	24°25	22°45	22°49	28°26	2°56	F 15
S 16	13 36 57	26° 6'21	19°27	2°19	0°10	19° 1	12°24	20°57	9°23	17°17	24°25	22°45	22°46	28°33	2°58	S 16
S 17	13 40 53	27° 5'03	1°21	2°40	1°25	19°45	12°17	21° 0	9°25	17°18	24°24	22°D45	22°43	28°40	2°59	S 17
M 18	13 44 50	28° 3'43	13°15	3° 6	2°39	20°28	12°10	21° 3	9°28	17°19	24°23	22°45	22°39	28°46	3° 1	M 18
T 19	13 48 46	29° 2'20	25°14	3°35	3°53	21°12	12° 3	21° 6	9°30	17°21	24°23	22°46	22°36	28°53	3° 3	T 19
W 20	13 52 43	0° 0'56	7°23	4° 9	5° 7	21°56	11°56	21° 9	9°33	17°21	24°22	22°46	22°33	29° 0	3° 4	W 20
T 21	13 56 40	0°59'29	19°46	4°47	6°21	22°39	11°49	21°12	9°35	17°22	24°21	22°47	22°30	29° 7	3° 5	T 21
F 22	14 0 36	1°58'00	2°25	5°29	7°36	23°23	11°42	21°15	9°38	17°23	24°20	22°48	22°27	29°13	3° 7	F 22
S 23	14 4 33	2°56'29	15°23	6°14	8°50	24° 6	11°35	21°19	9°40	17°24	24°20	22°48	22°23	29°20	3° 8	S 23
S 24	14 8 29	3°54'56	28°39	7° 3	10° 4	24°50	11°28	21°22	9°42	17°25	24°19	22°R48	22°20	29°27	3° 9	S 24
M 25	14 12 26	4°53'21	12°13	7°55	11°18	25°33	11°22	21°25	9°45	17°26	24°18	22°48	22°17	29°34	3°10	M 25
T 26	14 16 22	5°51'44	26° 3	8°50	12°32	26°17	11°15	21°29	9°47	17°27	24°17	22°47	22°14	29°40	3°11	T 26
W 27	14 20 19	6°50'06	10°7	9°48	13°46	27° 0	11° 9	21°33	9°49	17°28	24°16	22°45	22°11	29°47	3°12	W 27
T 28	14 24 15	7°48'26	24°19	10°49	15° 0	27°44	11° 2	21°37	9°51	17°28	24°15	22°43	22° 8	29°54	3°13	T 28
F 29	14 28 12	8°46'45	8°37	11°53	16°14	28°28	10°56	21°40	9°54	17°29	24°14	22°41	22° 4	0°0	3°14	F 29
S 30	14 32 9	9°45'02	22°55	13°Y 0	17°28	29°11	10°50	21°44	9°56	17°30	24°13	22°Y40	22°Y 1	0°0	3°14	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4n30	28s12	4s47	5n 8	2n31	3n23	1s18	19s18	1s 6	4s10	1n36	22n 1	0n 8	9s 0	0s44	F 1
S 2	4 53	28 4	5 11	4 36	2 17	3 53	1 17	19 7	1 7	4 7	1 36	22 1	0 8	8 59	0 44	S 2
S 3	5 16	26 6	5 16	4 4	2 3	4 23	1 15	18 57	1 8	4 4	1 36	22 1	0 8	8 58	0 44	S 3
M 4	5 39	22 27	5 14	3 33	1 48	4 53	1 14	18 46	1 9	4 1	1 36	22 0	0 8	8 57	0 44	M 4
T 5	6 2	17 29	4 29	3 3	1 32	5 23	1 13	18 35	1 10	3 59	1 36	22 0	0 8	8 56	0 44	T 5
W 6	6 24	11 33	3 39	2 34	1 16	5 52	1 12	18 24	1 11	3 56	1 36	22 0	0 9	8 55	0 44	W 6
T 7	6 47	5 4	2 36	2 7	1 0	6 22	1 10	18 13	1 12	3 53	1 36	22 0	0 9	8 54	0 44	T 7
F 8	7 10	1n36	1 25	1 41	0 43	6 51	1 9	18 1	1 13	3 50	1 36	22 0	0 9	8 53	0 44	F 8
S 9	7 32	8 5	0 9	1 19	0 27	7 20	1 8	17 50	1 14	3 47	1 35	22 0	0 9	8 51	0 44	S 9
S 10	7 54	14 4	1n 5	0 58	0 12	7 49	1 6	17 38	1 15	3 44	1 35	21 59	0 9	8 50	0 44	S 10
M 11	8 16	19 16	2 14	0 40	0s 4	8 18	1 5	17 26	1 16	3 41	1 35	21 59	0 9	8 49	0 44	M 11
T 12	8 38	27 27	3 15	0 25	0 19	8 47	1 3	17 14	1 17	3 38	1 35	21 59	0 9	8 48	0 44	T 12
W 13	9 0	26 25	4 4	0 12	0 33	9 15	1 1	17 2	1 18	3 35	1 35	21 59	0 9	8 47	0 44	W 13
T 14	9 22	28 3	4 42	0 2	0 47	9 44	1 0	16 49	1 19	3 32	1 35	21 58	0 9	8 46	0 44	T 14
F 15	9 44	28 19	5 6	0s 6	1 0	10 12	0 58	16 37	1 20	3 29	1 35	21 58	0 9	8 45	0 44	F 15
S 16	10 5	27 15	5 16	0 11	1 12	10 39	0 56	16 24	1 21	3 27	1 35	21 58	0 9	8 44	0 45	S 16
S 17	10 26	24 57	5 13	0 14	1 24	11 7	0 54	16 12	1 22	3 24	1 35	21 57	0 9	8 43	0 45	S 17
M 18	10 47	21 35	4 57	0 14	1 35	11 34	0 52	15 59	1 23	3 21	1 35	21 57	0 10	8 43	0 45	M 18
T 19	11 8	17 18	4 27	0 11	1 46	12 1	0 51	15 46	1 24	3 18	1 35	21 57	0 10	8 42	0 45	T 19
W 20	11 29	12 17	3 46	0 7	1 55	12 28	0 49	15 33	1 25	3 16	1 35	21 56	0 10	8 41	0 45	W 20
T 21	11 49	6 42	2 53	0 0	2 4	12 54	0 47	15 20	1 26	3 13	1 35	21 56	0 10	8 40	0 45	T 21
F 22	12 9	0 44	1 50	0n 9	2 12	13 20	0 45	15 6	1 27	3 11	1 34	21 55	0 10	8 39	0 45	F 22
S 23	12 30	5s25	0 41	0 20	2 20	13 46	0 43	14 53	1 28	3 8	1 34	21 55	0 10	8 38	0 45	S 23
S 24	12 49	11 30	0s32	0 33	2 27	14 12	0 40	14 39	1 30	3 6	1 34	21 54	0 10	8 37	0 45	S 24
M 25	13 9	17 10	1 45	0 48	2 33	14 37	0 38	14 25	1 31	3 3	1 34	21 54	0 10	8 36	0 45	M 25
T 26	13 29	22 5	2 54	1 5	2 38	15 1	0 36	14 12	1 32	3 1	1 34	21 54	0 10	8 36	0 45	T 26
W 27	13 48	25 48	3 52	1 23	2 43	15 26	0 34	13 58	1 33	2 58	1 34	21 53	0 10	8 35	0 45	W 27
T 28	14 7	27 56	4 38	1 43	2 47	15 50	0 32	13 44	1 34	2 56	1 34	21 53	0 10	8 34	0 45	T 28
F 29	14 26	28 15	5 6	2 5	2 50	16 13	0 30	13 29	1 35	2 54	1 33	21 52	0 10	8 33	0 45	F 29
S 30	14n44	26s40	5s15	2n29	2s53	16n37	0s27	13s15	1s36	2s52	1n33	21n51	0n10	8s32	0s45	S 30

Julian Day Number = 2453461.5, Delta T = 64.72 sec

Ecliptic obliquity = 23°26'28, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°48'49, Lahiri = 23°55'49

# ASTRODIENST EPHEMERIS for the year 2005

## geocentric

MAY 2005

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 36 5	10°34'17	7°11	14°9	18°42	29°55	10°R44	21°48	9°58	17°30	24°R12	22°D40	21°V58	0°14	3°15	S 1	
M 2	14 40 2	11°41'31	21°22	15°21	19°56	0°38	10°A39	21°53	10° 0	17°31	24°A11	22°V40	21°55	0°21	3°16	M 2	
T 3	14 43 58	12°39'43	5°25	16°35	21°10	1°22	10°33	21°57	10° 2	17°31	24°10	22°41	21°52	0°27	3°16	T 3	
W 4	14 47 55	13°37'54	19°20	17°51	22°24	2° 5	10°27	22° 1	10° 4	17°32	24° 9	22°42	21°49	0°34	3°16	W 4	
T 5	14 51 51	14°36'04	3°V 5	19°10	23°38	2°49	10°22	22° 5	10° 6	17°33	24° 8	22°43	21°45	0°41	3°17	T 5	
F 6	14 55 48	15°34'12	16°38	20°31	24°52	3°32	10°17	22°10	10° 8	17°33	24° 7	22°R44	21°42	0°47	3°17	F 6	
S 7	14 59 44	16°32'18	29°59	21°55	26° 5	4°15	10°12	22°14	10°10	17°33	24° 6	22°44	21°39	0°54	3°17	S 7	
S 8	15 3 41	17°30'23	13°8 7	23°20	27°19	4°59	10° 7	22°19	10°11	17°34	24° 4	22°43	21°36	1° 1	3°17	S 8	
M 9	15 7 38	18°28'27	26° 2	24°48	28°33	5°42	10° 2	22°24	10°13	17°34	24° 3	22°40	21°33	1° 8	3°R17	M 9	
T 10	15 11 34	19°26'29	8°II42	26°18	29°47	6°26	9°57	22°29	10°15	17°35	24° 2	22°37	21°29	1°14	3°17	T 10	
W11	15 15 31	20°24'29	21° 8	27°49	1°II 1	7° 9	9°53	22°34	10°16	17°35	24° 1	22°32	21°26	1°21	3°17	W11	
T 12	15 19 27	21°22'27	3°23	29°23	2°15	7°52	9°48	22°38	10°18	17°35	24° 0	22°27	21°23	1°28	3°17	T 12	
F 13	15 23 24	22°20'24	15°26	0°859	3°28	8°36	9°44	22°43	10°20	17°35	23°58	22°23	21°20	1°35	3°17	F 13	
S 14	15 27 20	23°18'19	27°23	2°37	4°42	9°19	9°40	22°49	10°21	17°36	23°57	22°19	21°17	1°41	3°17	S 14	
S 15	15 31 17	24°16'12	9°16	4°17	5°56	10° 2	9°36	22°54	10°23	17°36	23°56	22°16	21°14	1°48	3°16	S 15	
M16	15 35 13	25°14'03	21° 9	6° 0	7°10	10°45	9°33	22°59	10°24	17°36	23°54	22°D15	21°10	1°55	3°16	M16	
T 17	15 39 10	26°11'53	3°II 7	7°44	8°23	11°28	9°29	23° 4	10°26	17°36	23°53	22°15	21° 7	2° 1	3°15	T 17	
W18	15 43 7	27° 9'41	15°16	9°30	9°37	12°12	9°26	23°10	10°27	17°36	23°52	22°17	21° 4	2° 8	3°14	W18	
T 19	15 47 3	28° 7'27	27°39	11°19	10°51	12°55	9°23	23°15	10°28	17°36	23°50	22°18	21° 1	2°15	3°14	T 19	
F 20	15 51 0	29° 5'12	10°A21	13° 9	12° 4	13°38	9°20	23°21	10°30	17°R36	23°49	22°20	20°58	2°22	3°13	F 20	
S 21	15 54 56	0°II 2'55	23°25	15° 1	13°18	14°21	9°17	23°26	10°31	17°36	23°47	22°R20	20°55	2°28	3°12	S 21	
S 22	15 58 53	1° 0'36	6°II54	16°56	14°31	15° 4	9°14	23°32	10°32	17°36	23°46	22°19	20°51	2°35	3°11	S 22	
M23	16 2 49	1°58'16	20°46	18°52	15°45	15°47	9°12	23°38	10°33	17°36	23°45	22°17	20°48	2°42	3°10	M23	
T 24	16 6 46	2°55'55	5°A 0	20°51	16°59	16°30	9°10	23°44	10°34	17°36	23°43	22°12	20°45	2°48	3° 9	T 24	
W25	16 10 42	3°53'33	19°30	22°51	18°12	17°13	9° 7	23°49	10°35	17°36	23°42	22° 6	20°42	2°55	3° 8	W25	
T 26	16 14 39	4°51'09	4°B11	24°54	19°26	17°55	9° 5	23°55	10°36	17°36	23°40	22° 0	20°39	3° 2	3° 7	T 26	
F 27	16 18 36	5°48'45	18°54	26°58	20°39	18°38	9° 4	24° 1	10°37	17°35	23°39	21°54	20°35	3° 9	3° 6	F 27	
S 28	16 22 32	6°46'19	3°A33	29° 3	21°53	19°21	9° 2	24° 7	10°38	17°35	23°37	21°49	20°32	3°15	3° 4	S 28	
S 29	16 26 29	7°43'53	18° 2	1°II10	23° 6	20° 4	9° 1	24°14	10°39	17°35	23°36	21°45	20°29	3°22	3° 3	S 29	
M30	16 30 25	8°41'25	2°B16	3°19	24°20	20°46	8°59	24°20	10°40	17°35	23°34	21°44	20°26	3°29	3° 2	M30	
T 31	16 34 22	9°II38'57	16°B14	5°II29	25°II33	21°B29	8°A58	24°B26	10°B40	17°A34	23°A33	21°D44	20°V23	3°B36	3°A 0	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n 2	23s24	5s 5	2n53	2s55	16n59	0s25	13s 1	1s37	2s49	1n33	21n51	0n10	8s32	0s45	15s42	0s 7
M 2	15 21	18 45	4 37	3 20	2 56	17 22	0 23	12 46	1 38	2 47	1 33	21 50	0 11	8 31	0 45	15 42	0 7
T 3	15 38	13 7	3 52	3 47	2 57	17 43	0 20	12 32	1 39	2 45	1 33	21 50	0 11	8 30	0 45	15 42	0 7
W 4	15 56	6 53	2 54	4 16	2 57	18 5	0 18	12 17	1 40	2 43	1 33	21 49	0 11	8 29	0 45	15 41	0 7
T 5	16 13	0 24	1 46	4 46	2 57	18 26	0 16	12 2	1 41	2 41	1 32	21 48	0 11	8 29	0 45	15 41	0 7
F 6	16 30	6n 1	0 34	5 18	2 56	18 46	0 13	11 48	1 42	2 39	1 32	21 48	0 11	8 28	0 45	15 41	0 7
S 7	16 47	12 5	0n40	5 50	2 54	19 6	0 11	11 33	1 43	2 38	1 32	21 47	0 11	8 27	0 45	15 41	0 7
S 8	17 3	17 31	1 50	6 24	2 52	19 26	0 8	11 18	1 44	2 36	1 32	21 46	0 11	8 27	0 45	15 41	0 7
M 9	17 20	22 3	2 52	6 58	2 50	19 44	0 6	11 3	1 45	2 34	1 32	21 46	0 11	8 26	0 45	15 41	0 7
T 10	17 51	25 28	3 46	7 34	2 46	20 3	0 4	10 48	1 46	2 32	1 31	21 45	0 11	8 26	0 45	15 41	0 7
W11	17 51	27 35	4 27	8 10	2 42	20 21	0 1	10 33	1 47	2 31	1 31	21 44	0 11	8 25	0 45	15 41	0 7
T 12	18 6	28 19	4 55	8 48	2 38	20 38	0n 1	10 17	1 48	2 29	1 31	21 44	0 11	8 24	0 45	15 41	0 7
F 13	18 21	27 41	5 10	9 26	2 33	20 55	0 4	10 2	1 49	2 28	1 31	21 43	0 11	8 24	0 45	15 41	0 7
S 14	18 36	25 46	5 11	10 4	2 27	21 11	0 6	9 47	1 50	2 27	1 31	21 42	0 11	8 23	0 45	15 40	0 7
S 15	18 50	22 44	4 59	10 44	2 21	21 26	0 9	9 31	1 51	2 25	1 30	21 41	0 12	8 23	0 45	15 40	0 7
M16	19 4	18 46	4 33	11 24	2 15	21 41	0 11	9 16	1 52	2 24	1 30	21 40	0 12	8 22	0 45	15 40	0 7
T 17	19 18	14 2	3 56	12 4	2 8	21 56	0 14	9 0	1 53	2 23	1 30	21 40	0 12	8 22	0 46	15 40	0 7
W18	19 32	8 42	3 8	12 45	2 1	22 9	0 16	8 45	1 54	2 22	1 30	21 39	0 12	8 21	0 46	15 40	0 7
T 19	19 45	2 56	2 10	13 26	1 53	22 23	0 18	8 29	1 55	2 21	1 29	21 38	0 12	8 21	0 46	15 40	0 7
F 20	19 57	3s 6	1 5	14 8	1 44	22 35	0 21	8 13	1 56	2 20	1 29	21 37	0 12	8 20	0 46	15 40	0 7
S 21	20 10	9 11	0s 6	14 49	1 36	22 47	0 23	7 58	1 57	2 19	1 29	21 36	0 12	8 20	0 46	15 40	0 7
S 22	20 22	15 3	1 18	15 31	1 27	22 58	0 26	7 42	1 58	2 18	1 29	21 35	0 12	8 19	0 46	15 40	0 7
M23	20 33	20 19	2 28	16 12	1 17	23 9	0 28	7 26	1 59	2 17	1 29	21 34	0 12	8 19	0 46	15 40	0 7
T 24	20 45	24 35	3 30	16 53	1 7	23 19	0 31	7 10	2 0	2 17	1 28	21 33	0 12	8 19	0 46	15 41	0 7
W25	20 56	27 21	4 20	17 34	0 57	23 28	0 33	6 55	2 1	2 16	1 28	21 33	0 12	8 18	0 46	15 41	0 7
T 26	21 6	28 16	4 54	18 14	0 47	23 36	0 35	6 39	2 2	2 16	1 28	21 32	0 12	8 18	0 46	15 41	0 7
F 27	21 17	27 11	5 8	18 53	0 37	23 44	0 38	6 23	2 3	2 15	1 28	21 31	0 12	8 18	0 46	15 41	0 7
S 28	21 27	24 15	5 2	19 32	0 26	23 51	0 40	6 7	2 4	2 15	1 27	21 30	0 13	8 17	0 46	15 41	0 7
S 29	21 36	19 49	4 37	20 9	0 15	23 58	0 42	5 51	2 5	2 14	1 27	21 29	0 13	8 17	0 46	15 41	0 7
M30	21 45	14 19	3 55	20 45	0 5	24 4	0 45	5 35	2 6	2 14	1 27	21 28	0 13	8 17	0 46	15 41	0 7
T 31	21n54	8s11	2s59	21n19	0n 6	24n 9	0n47	5s19	2s 7	2s14	1n27	21n27	0n13	8s17	0s46	15s41	0s 7

Julian Day Number = 2453491.5, Delta T = 64.73 sec

Ecliptic obliquity = 23°26'27", Nutation = - 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°48'53", Lahiri = 23°55'54"



# ASTRODIENST EPHEMERIS for the year 2005

## geocentric

JUNE 2005

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 38 18	10°11'36"28	29°11'56"	7°11'40"	26°11'46"	22°11'12"	8°11'58"	24°11'32"	10°11'41"	17°11'34"	23°11'31"	21°11'45"	20°11'20"	3°11'42"	2°11'59"	W 1	
T 2	16 42 15	11°11'33"58	13°11'22"	9°11'51"	28°11'00"	22°11'54"	8°11'57"	24°11'39"	10°11'42"	17°11'34"	23°11'30"	21°11'46"	20°11'16"	3°11'49"	2°11'57"	T 2	
F 3	16 46 11	12°11'31'28	26°11'33"	12°11'30"	29°11'13"	23°11'37"	8°11'56"	24°11'45"	10°11'42"	17°11'33"	23°11'28"	21°11'46"	20°11'13"	3°11'56"	2°11'55"	F 3	
S 4	16 50 8	13°11'28'57	9°11'32"	14°11'15"	0°11'27"	24°11'19"	8°11'56"	24°11'51"	10°11'43"	17°11'33"	23°11'27"	21°11'44"	20°11'10"	4°11'2	2°11'53"	S 4	
S 5	16 54 5	14°11'26'25	22°11'19"	16°11'27"	1°11'40"	25°11'1	8°11'56"	24°11'58"	10°11'43"	17°11'32"	23°11'25"	21°11'40"	20°11'7"	4°11'9"	2°11'52"	S 5	
M 6	16 58 1	15°11'23'52	4°11'55"	18°11'39"	2°11'53"	25°11'44"	8°11'56"	25°11'4	10°11'44"	17°11'32"	23°11'24"	21°11'34"	20°11'4"	4°11'16"	2°11'50"	M 6	
T 7	17 1 58	16°11'21'18	17°11'21"	20°11'50"	4°11'7"	26°11'26"	8°11'56"	25°11'11"	10°11'44"	17°11'31"	23°11'22"	21°11'26"	20°11'1"	4°11'23"	2°11'48"	T 7	
W 8	17 5 54	17°11'18'44	29°11'36"	23°11'00"	5°11'20"	27°11'8"	8°11'56"	25°11'18"	10°11'45"	17°11'30"	23°11'20"	21°11'16"	19°11'57"	4°11'29"	2°11'46"	W 8	
T 9	17 9 51	18°11'16'08	11°11'54"	25°11'9"	6°11'33"	27°11'50"	8°11'57"	25°11'24"	10°11'45"	17°11'30"	23°11'19"	21°11'5"	19°11'54"	4°11'36"	2°11'44"	T 9	
F 10	17 13 47	19°11'13'32	23°11'43"	27°11'17"	7°11'47"	28°11'32"	8°11'58"	25°11'31"	10°11'45"	17°11'29"	23°11'17"	20°11'55"	19°11'51"	4°11'43"	2°11'42"	F 10	
S 11	17 17 44	20°11'10'55	5°11'37"	29°11'23"	9°11'00"	29°11'14"	8°11'59"	25°11'38"	10°11'45"	17°11'29"	23°11'16"	20°11'46"	19°11'48"	4°11'49"	2°11'39"	S 11	
S 12	17 21 41	21°11'8'16	17°11'28"	19°11'28"	10°11'13"	29°11'56"	9°11'00"	25°11'45"	10°11'46"	17°11'28"	23°11'14"	20°11'39"	19°11'45"	4°11'56"	2°11'37"	S 12	
M13	17 25 37	22°11'5'37	29°11'19"	3°11'31"	11°11'26"	0°11'37"	9°11'01"	25°11'52"	10°11'46"	17°11'27"	23°11'13"	20°11'34"	19°11'41"	5°11'3	2°11'35"	M13	
T 14	17 29 34	23°11'2'57	11°11'11"	5°11'31"	12°11'40"	1°11'19"	9°11'03"	25°11'59"	10°11'46"	17°11'26"	23°11'11"	20°11'31"	19°11'38"	5°11'10"	2°11'32"	T 14	
W15	17 33 30	24°11'0'16	23°11'22"	7°11'30"	13°11'53"	2°11'1	9°11'04"	26°11'5	10°11'46"	17°11'26"	23°11'9"	20°11'31"	19°11'35"	5°11'16"	2°11'30"	W15	
T 16	17 37 27	24°11'57'34	5°11'42"	9°11'27"	15°11'6"	2°11'42"	9°11'06"	26°11'12"	10°11'46"	17°11'25"	23°11'8"	20°11'31"	19°11'32"	5°11'23"	2°11'28"	T 16	
F 17	17 41 23	25°11'54'51	18°11'22"	11°11'21"	16°11'19"	3°11'24"	9°11'08"	26°11'20"	10°11'46"	17°11'24"	23°11'6"	20°11'31"	19°11'29"	5°11'30"	2°11'25"	F 17	
S 18	17 45 20	26°11'52'07	1°11'26"	13°11'13"	17°11'32"	4°11'5	9°11'10"	26°11'27"	10°11'46"	17°11'23"	23°11'5"	20°11'31"	19°11'26"	5°11'36"	2°11'23"	S 18	
S 19	17 49 16	27°11'49'22	14°11'58"	15°11'3	18°11'45"	4°11'46"	9°11'13"	26°11'34"	10°11'45"	17°11'22"	23°11'3	20°11'29"	19°11'22"	5°11'43"	2°11'20"	S 19	
M20	17 53 13	28°11'46'37	28°11'58"	16°11'50"	19°11'58"	5°11'27"	9°11'15"	26°11'41"	10°11'45"	17°11'21"	23°11'1	20°11'24"	19°11'19"	5°11'50"	2°11'17"	M20	
T 21	17 57 10	29°11'43'52	13°11'24"	18°11'35"	21°11'11"	6°11'8"	9°11'18"	26°11'48"	10°11'45"	17°11'20"	23°11'0"	20°11'17"	19°11'16"	5°11'57"	2°11'15"	T 21	
W22	18 1 6	0°11'41'05	28°11'13"	20°11'18"	22°11'24"	6°11'49"	9°11'21"	26°11'55"	10°11'45"	17°11'19"	22°11'58"	20°11'8"	19°11'13"	6°11'3	2°11'12"	W22	
T 23	18 5 3	1°11'38'19	13°11'31"	21°11'59"	23°11'37"	7°11'30"	9°11'24"	27°11'2	10°11'44"	17°11'18"	22°11'57"	19°11'58"	19°11'10"	6°11'10"	2°11'9"	T 23	
F 24	18 8 59	2°11'35'32	28°11'22"	23°11'37"	24°11'50"	8°11'11"	9°11'27"	27°11'10"	10°11'44"	17°11'17"	22°11'55"	19°11'48"	19°11'7"	6°11'17"	2°11'6"	F 24	
S 25	18 12 56	3°11'32'45	13°11'23"	25°11'13"	26°11'3	8°11'52"	9°11'30"	27°11'17"	10°11'43"	17°11'16"	22°11'54"	19°11'40"	19°11'3	6°11'24"	2°11'3	S 25	
S 26	18 16 52	4°11'29'57	28°11'9"	26°11'46"	27°11'16"	9°11'32"	9°11'34"	27°11'24"	10°11'43"	17°11'15"	22°11'52"	19°11'33"	19°11'0"	6°11'30"	2°11'0"	S 26	
M27	18 20 49	5°11'27'10	12°11'35"	28°11'17"	28°11'29"	10°11'13"	9°11'37"	27°11'32"	10°11'42"	17°11'14"	22°11'51"	19°11'30"	18°11'57"	6°11'37"	1°11'58"	M27	
T 28	18 24 45	6°11'24'22	26°11'38"	29°11'45"	29°11'42"	10°11'53"	9°11'41"	27°11'39"	10°11'42"	17°11'13"	22°11'49"	19°11'28"	18°11'54"	6°11'44"	1°11'55"	T 28	
W29	18 28 42	7°11'21'35	10°11'18"	1°11'11"	0°11'55"	11°11'33"	9°11'45"	27°11'47"	10°11'41"	17°11'12"	22°11'48"	19°11'28"	18°11'51"	6°11'50"	1°11'51"	W29	
T 30	18 32 39	8°11'18'47	23°11'36"	2°11'35"	2°11'8"	12°11'13"	9°11'49"	27°11'54"	10°11'41"	17°11'11"	22°11'46"	19°11'28"	18°11'47"	6°11'57"	1°11'48"	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
W 1	22n 2	1s 47	1s 55	21n 52	0n 17	24n 13	0n 49	5s 3	2s 8	2s 14	1n 26	21n 26	0n 13	8s 16	0s 46	15s 41	0s 7	14s 59	8n 18	8n 28	7n 57	24n 11	12s 24	7n 17			
T 2	22 10	4n 35	0 45	22 22	0 27	24 17	0 51	4 47	2 8	2 14	1 26	21 24	0 13	8 16	0 46	15 41	0 7	14 59	8 18	8 29	7 55	24 9	12 24	7 17			
F 3	22 18	10 39	0n 26	22 51	0 37	24 20	0 53	4 31	2 9	2 14	1 26	21 23	0 13	8 16	0 46	15 42	0 7	14 59	8 18	8 29	7 54	24 8	12 24	7 18			
S 4	22 25	16 9	1 34	23 17	0 47	24 22	0 56	4 15	2 10	2 14	1 25	21 22	0 13	8 16	0 46	15 42	0 7	14 59	8 18	8 28	7 53	24 6	12 24	7 18			
S 5	22 32	20 52	2 36	23 41	0 56	24 23	0 58	3 59	2 11	2 14	1 25	21 21	0 13	8 16	0 46	15 42	0 7	14 59	8 18	8 27	7 52	24 4	12 24	7 19			
M 6	22 38	24 33	3 30	24 2	1 5	24 24	1 0	3 43	2 12	2 14	1 25	21 20	0 13	8 15	0 46	15 42	0 7	14 59	8 18	8 25	7 51	24 2	12 24	7 19			
T 7	22 44	27 2	4 13	24 20	1 13	24 24	1 2	3 27	2 13	2 15	1 25	21 19	0 13	8 15	0 46	15 42	0 7	14 59	8 18	8 21	7 49	24 0	12 24	7 19			
W 8	22 50	28 9	4 43	24 36	1 21	24 24	1 4	3 11	2 14	2 15	1 24	21 18	0 13	8 15	0 46	15 42	0 8	14 59	8 18	8 18	7 48	23 58	12 24	7 20			
T 9	22 55	27 54	5 0	24 49	1 28	24 22	1 6	2 55	2 15	2 16	1 24	21 17	0 13	8 15	0 46	15 43	0 8	14 59	8 18	8 14	7 47	23 57	12 24	7 20			
F 10	23 0	26 20	5 4	24 59	1 34	24 20	1 8	2 39	2 16	2 16	1 24	21 16	0 13	8 15	0 46	15 43	0 8	14 59	8 18	8 10	7 46	23 55	12 24	7 21			
S 11	23 5	23 37	4 54	25 7	1 40	24 17	1 9	2 24	2 17	2 17	1 24	21 14	0 14	8 15	0 47	15 43	0 8	14 59	8 18	8 7	7 45	23 53	12 24	7 21			
S 12	23 9	19 55	4 32	25 11	1 45	24 14	1 11	2 8	2 17	2 17	1 23	21 13	0 14	8 15	0 47	15 43	0 8	14 59	8 18	8 4	7 43	23 51	12 24	7 21			
M13	23 12	15 25	3 58	25 13	1 50	24 10	1 13	1 52	2 18	2 18	1 23	21 12	0 14	8 15	0 47	15 43	0 8	14 59	8 18	8 2	7 42	23 49	12 24	7 22			
T 14	23 16	10 19	3 13	25 13	1 53	24 5	1 15	1 36	2 19	2 19	1 23	21 11	0 14	8 15	0 47	15 44	0 8	14 59	8 18	8 1	7 41	23 47	12 25	7 22			
W15	23 18	4 46	2 19	25 9	1 56	23 59	1 16	1 20	2 20	2 20	1 23	21 10	0 14	8 15	0 47	15 44	0 8	14 59	8 18	8 1	7 40	23 45	12 25	7 22			
T 16	23 21	1s 4	1 18	25 4	1 58	23 53	1 18	1 5	2 21	2 21	1 22	21 8	0 14	8 15	0 47	15 44	0 8	14 59	8 17	8 1	7 39	23 43	12 25	7 23			
F 17	23 23	7 2	0 11	24 56	1 59	23 46	1 20	0 49	2 22	2 22	1 22	21 7	0 14	8 15	0 47	15 45	0 8	14 59	8 17	8 1	7 37	23 41	12 25	7 23			
S 18	23 24	12 53	0s 58	24 46	2 0	23 38	1 21	0 33	2 22	2 23	1 22	21 6	0 14	8 15	0 47	15 45	0 8	14 59	8 17	8 1	7 36	23 39	12 25	7 23			
S 19	23 25	18 20	2 6	24 34	2 0	23 30	1 23	0 18	2 23	2 24	1 22	21 4	0 14	8 15	0 47	15 45	0 8	14 59	8 17	8 0	7 35	23 38	12 26	7 24			
M20	23 26	23 0	3 9	24 21	1 59	23 20	1 24	0 2	2 24	2 25	1 21	21 3	0 14	8 15	0 47	15 45	0 8	14 59	8 17	7 58	7 34	23 36	12 26	7 24			
T 21	23 26	26 25	4 2	24 5	1 57	23 11	1 25	0n 13	2 25	2 27	1 21	21 2	0 14	8 16	0 47	15 46	0 8	14 59	8 17	7 56	7 33	23 34	12 26	7 24			
W22	23 26	28 6	4 40	23 48	1 55	23 0	1 27	0 29	2 26	2 28	1 21	21 1	0 14	8 16	0 47	15 46	0 8	14 59	8 17	7 52	7 31	23 32	12 27	7 25			
T 23	23 26	27 45	4 59	23 29	1 52	22 49	1 28	0 44	2 26	2 29	1 21	20 59	0 14	8 16	0 47	15 46	0 8	14 59	8 17	7 48	7 30	23 30	12 27	7 25			
F 24	23 25	25 21	4 58	23 9	1 48	22 37	1 29	1 0	2 27	2 31	1 20	20 58	0 15	8 16	0 47	15 47	0 8	14 59	8 16	7 45	7 29	23 28	12 27	7 25			
S 25	23 24	21 13	4 36	22 48	1 44	22 25	1 30	1 15	2 28	2 32	1 20	20 57	0 15	8 16	0 47	15 47	0 8	14 59	8 16	7 42	7 28	23 26	12 27	7 26			
S 26	23 22	15 49	3 56	22 25	1 39	22 12	1 31	1 30	2 29	2 34	1 20	20 55	0 15	8 17	0 47	15 47	0 8	15 0	8 16	7 39	7 27	23 24	12 28	7 26			
M27	23 20	9 38	3 2	22 2	1 34	21 58	1 32	1 45	2 29	2 36	1 20	20 54	0 15	8 17	0 47	15 48	0 8	15 0	8 16	7 38	7 25	23 22	12 28	7 26			
T 28	23 17	3 8	1 58	21 38	1 27	21 44	1 33	2 0	2 30	2 37	1 19	20 52	0 15	8 17	0 47	15 48	0 8	15 0	8 16	7 37	7 24	23 20	12 29	7 27			
W29	23 14	3n 20	0 48	21 12	1 21	21 29	1 34	2 15	2 31	2 39	1 19	20 51	0 15	8 17	0 47	15 48	0 8	15 0	8 16	7 37	7 23	23 18	12 29	7 27			
T 30	23n 11	9n 30	0n 22	20n 46	1n 13	21n 14	1n 35	2n 30	2s 31	2s 41	1n 19	20n 50	0n 15	8s 18	0s 47	15s 49	0s 8	15s 0	8n 15	7n 37	7n 22	23n 16	12s 29	7n 27			

# ASTRODIENST EPHEMERIS for the year 2005

## geocentric

JULY 2005

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	18 36 35	9♉16'00	6♊36	3♋56	3♌21	12♍53	9♎54	28♏2	10♐R40	17♑R10	22♒R45	19♓R27	18♏44	7♎4	1♐R45	F 1
S 2	18 40 32	10°13'13	19°20	5°15	4°34	13°33	9°58	28°9	10♐R39	17♑R8	22♒R43	19♓R24	18°41	7°11	1♐R42	S 2
S 3	18 44 28	11°10'27	1♐51	6°31	5°46	14°13	10°3	28°17	10°38	17°7	22°42	19°18	18°38	7°17	1°39	S 3
M 4	18 48 25	12°7'40	14°12	7°44	6°59	14°52	10°8	28°24	10°37	17°6	22°40	19°10	18°35	7°24	1°36	M 4
T 5	18 52 21	13°4'53	26°24	8°55	8°12	15°32	10°13	28°32	10°36	17°5	22°39	18°59	18°32	7°31	1°33	T 5
W 6	18 56 18	14°2'07	8♉29	10°3	9°25	16°11	10°18	28°39	10°35	17°3	22°37	18°46	18°28	7°37	1°29	W 6
T 7	19 0 15	14°59'20	20°29	11°8	10°37	16°50	10°23	28°47	10°34	17°2	22°36	18°32	18°25	7°44	1°26	T 7
F 8	19 4 11	15°56'34	2♋23	12°10	11°50	17°29	10°28	28°55	10°33	17°1	22°34	18°19	18°22	7°51	1°23	F 8
S 9	19 8 8	16°53'48	14°14	13°9	13°3	18°8	10°34	29°2	10°32	16°59	22°33	18°6	18°19	7°58	1°20	S 9
S 10	19 12 4	17°51'01	26°5	14°5	14°15	18°47	10°40	29°10	10°31	16°58	22°32	17°56	18°16	8°4	1°16	S 10
M 11	19 16 1	18°48'15	7♏56	14°58	15°28	19°25	10°45	29°17	10°30	16°57	22°30	17°49	18°13	8°11	1°13	M 11
T 12	19 19 57	19°45'28	19°52	15°47	16°41	20°4	10°51	29°25	10°29	16°55	22°29	17°45	18°9	8°18	1°9	T 12
W 13	19 23 54	20°42'42	1♌57	16°33	17°53	20°42	10°58	29°33	10°28	16°54	22°27	17°42	18°6	8°24	1°6	W 13
T 14	19 27 50	21°39'55	14°15	17°15	19°6	21°20	11°4	29°41	10°26	16°52	22°26	17°42	18°3	8°31	1°3	T 14
F 15	19 31 47	22°37'09	26°52	17°54	20°18	21°58	11°10	29°48	10°25	16°51	22°25	17°42	18°0	8°38	0°59	F 15
S 16	19 35 43	23°34'23	9♎52	18°28	21°31	22°35	11°17	29°56	10°24	16°50	22°23	17°41	17°57	8°45	0°56	S 16
S 17	19 39 40	24°31'36	23°20	18°59	22°43	23°13	11°23	0♏4	10°22	16°48	22°22	17°39	17°53	8°51	0°52	S 17
M 18	19 43 37	25°28'50	7♏17	19°25	23°55	23°50	11°30	0°11	10°21	16°47	22°21	17°34	17°50	8°58	0°49	M 18
T 19	19 47 33	26°26'05	21°43	19°47	25°8	24°27	11°37	0°19	10°19	16°45	22°20	17°27	17°47	9°5	0°45	T 19
W 20	19 51 30	27°23'19	6♊35	20°4	26°20	25°4	11°44	0°27	10°18	16°44	22°18	17°18	17°44	9°11	0°42	W 20
T 21	19 55 26	28°20'34	21°46	20°17	27°32	25°41	11°51	0°35	10°16	16°42	22°17	17°8	17°41	9°18	0°39	T 21
F 22	19 59 23	29°17'49	7♎5	20°25	28°45	26°18	11°59	0°42	10°15	16°41	22°16	16°57	17°38	9°25	0°35	F 22
S 23	20 3 19	0♋15'05	22°20	20°R28	29°57	26°54	12°6	0°50	10°13	16°39	22°15	16°48	17°34	9°32	0°32	S 23
S 24	20 7 16	1°12'22	7♏21	20°26	1♏9	27°30	12°14	0°58	10°11	16°37	22°14	16°41	17°31	9°38	0°28	S 24
M 25	20 11 13	2°9'39	22°1	20°19	2°21	28°6	12°21	1°6	10°10	16°36	22°13	16°37	17°28	9°45	0°25	M 25
T 26	20 15 9	3°6'57	6♏14	20°8	3°33	28°42	12°29	1°13	10°8	16°34	22°12	16°35	17°25	9°52	0°21	T 26
W 27	20 19 6	4°4'16	20°1	19°51	4°46	29°17	12°37	1°21	10°6	16°33	22°10	16°D35	17°22	9°58	0°18	W 27
T 28	20 23 2	5°1'36	3♏21	19°29	5°58	29°52	12°45	1°29	10°4	16°31	22°9	16°R35	17°19	10°5	0°14	T 28
F 29	20 26 59	5°58'57	16°18	19°3	7°10	0♊27	12°53	1°37	10°2	16°30	22°8	16°35	17°15	10°12	0°11	F 29
S 30	20 30 55	6°56'19	28°56	18°32	8°22	1°2	13°2	1°44	10°1	16°28	22°7	16°33	17°12	10°19	0°7	S 30
S 31	20 34 52	7♎53'42	11♐20	17♎58	9♏34	1♊37	13♎10	1♏52	9♏59	16♎26	22♏6	16♏28	17♏9	10♎25	0♎4	S 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
F 1	23n 7	15n 8	1n29	20n20	1n 6	20n58	1n36	2n45	2s32	2s43	1n19	20n48	0n15	8s18	0s47	15s49	0s 8	15s 0	8n15	7n37	7n21	23n14	12s30	7n27		
S 2	23 3	19 59	2 31	19 53	0 57	20 41	1 36	3 0	2 33	2 45	1 18	20 47	0 15	8 18	0 47	15 49	0 8	15 0	8 15	7 36	7 19	23 12	12 30	7 27		
S 3	22 58	23 52	3 24	19 26	0 48	20 24	1 37	3 15	2 33	2 47	1 18	20 45	0 15	8 19	0 47	15 50	0 8	15 0	8 15	7 33	7 18	23 10	12 31	7 28		
M 4	22 53	26 35	4 6	18 58	0 39	20 6	1 37	3 30	2 34	2 49	1 18	20 44	0 15	8 19	0 47	15 50	0 8	15 0	8 15	7 30	7 17	23 8	12 31	7 28		
T 5	22 48	28 0	4 37	18 30	0 29	19 48	1 38	3 44	2 35	2 51	1 18	20 42	0 15	8 19	0 47	15 51	0 8	15 0	8 14	7 26	7 16	23 6	12 32	7 28		
W 6	22 42	28 4	4 55	18 2	0 19	19 29	1 38	3 59	2 35	2 53	1 17	20 41	0 15	8 20	0 47	15 51	0 8	15 1	8 14	7 21	7 14	23 4	12 32	7 28		
T 7	22 36	26 49	4 59	17 34	0 8	19 9	1 39	4 13	2 36	2 56	1 17	20 40	0 16	8 20	0 47	15 51	0 8	15 1	8 14	7 16	7 13	23 2	12 33	7 28		
F 8	22 29	24 21	4 51	17 6	0s 3	18 49	1 39	4 27	2 36	2 58	1 17	20 38	0 16	8 21	0 48	15 52	0 8	15 1	8 14	7 11	7 12	23 0	12 33	7 28		
S 9	22 22	20 51	4 29	16 38	0 15	18 29	1 39	4 41	2 37	3 0	1 17	20 37	0 16	8 21	0 48	15 52	0 8	15 1	8 14	7 6	7 11	22 57	12 34	7 29		
S 10	22 15	16 32	3 57	16 11	0 27	18 8	1 39	4 56	2 38	3 3	1 16	20 35	0 16	8 21	0 48	15 53	0 8	15 1	8 13	7 2	7 10	22 55	12 35	7 29		
M 11	22 7	11 35	3 13	15 43	0 39	17 47	1 39	5 10	2 38	3 5	1 16	20 34	0 16	8 22	0 48	15 53	0 8	15 1	8 13	7 0	7 8	22 53	12 35	7 29		
T 12	21 59	6 11	2 21	15 17	0 52	17 25	1 39	5 23	2 39	3 8	1 16	20 32	0 16	8 22	0 48	15 54	0 8	15 1	8 13	6 58	7 7	22 51	12 36	7 29		
W 13	21 51	0 29	1 22	14 51	1 5	17 2	1 39	5 37	2 39	3 11	1 16	20 31	0 16	8 23	0 48	15 54	0 8	15 2	8 13	6 57	7 6	22 49	12 36	7 29		
T 14	21 42	5s21	0 18	14 26	1 18	16 40	1 39	5 51	2 40	3 13	1 15	20 29	0 16	8 23	0 48	15 54	0 8	15 2	8 13	6 57	7 5	22 47	12 37	7 29		
F 15	21 33	11 7	0s48	14 1	1 32	16 16	1 38	6 5	2 40	3 16	1 15	20 27	0 16	8 24	0 48	15 55	0 8	15 2	8 12	6 57	7 4	22 45	12 38	7 29		
S 16	21 23	16 35	1 54	13 37	1 45	15 53	1 38	6 18	2 41	3 19	1 15	20 26	0 16	8 25	0 48	15 55	0 8	15 2	8 12	6 56	7 2	22 43	12 38	7 29		
S 17	21 13	21 27	2 56	13 15	1 59	15 29	1 37	6 31	2 41	3 22	1 15	20 24	0 16	8 25	0 48	15 56	0 8	15 2	8 12	6 56	7 1	22 41	12 39	7 29		
M 18	21 3	25 19	3 50	12 54	2 13	15 4	1 37	6 45	2 42	3 24	1 15	20 23	0 16	8 26	0 48	15 56	0 8	15 2	8 12	6 54	7 0	22 39	12 40	7 29		
T 19	20 52	27 42	4 31	12 33	2 27	14 39	1 36	6 58	2 42	3 27	1 14	20 21	0 17	8 26	0 48	15 57	0 8	15 3	8 11	6 51	6 59	22 37	12 40	7 29		
W 20	20 41	28 12	4 56	12 15	2 41	14 14	1 36	7 11	2 43	3 30	1 14	20 20	0 17	8 27	0 48	15 57	0 8	15 3	8 11	6 48	6 58	22 34	12 41	7 29		
T 21	20 30	26 37	5 0	11 58	2 55	13 49	1 35	7 24	2 43	3 33	1 14	20 18	0 17	8 27	0 48	15 58	0 8	15 3	8 11	6 44	6 56	22 32	12 42	7 29		
F 22	20 18	23 3	4 43	11 42	3 8	13 23	1 34	7 36	2 44	3 36	1 14	20 16	0 17	8 28	0 48	15 58	0 8	15 3	8 11	6 40	6 55	22 30	12 42	7 29		
S 23	20 6	17 56	4 5	11 29	3 22	12 57	1 33	7 49	2 44	3 39	1 13	20 15	0 17	8 29	0 48	15 59	0 8	15 3	8 10	6 36	6 54	22 28	12 43	7 29		
S 24	19 54	11 46	3 12	11 17	3 35	12 30	1 32	8 2	2 44	3 43	1 13	20 13	0 17	8 29	0 48	15 59	0 8	15 4	8 10	6 34	6 53	22 26	12 44	7 29		
M 25	19 41	5 6	2 6	11 7	3 47	12 3	1 31	8 14	2 45	3 46	1 13	20 12	0 17	8 30	0 48	16 0	0 8	15 4	8 10	6 32	6 51	22 24	12 44	7 29		
T 26	19 28	1n39	0 55	10 59	3 59	11 36	1 30	8 26	2 45	3 49	1 13	20 10	0 17	8 31	0 48	16 0	0 8	15 4	8 9	6 31	6 50	22 21	12 45	7 29		
W 27	19 14	8 6	0n18	10 54	4 10	11 8	1 29	8 38	2 45	3 52	1 13	20 8	0 17	8 31	0 48	16 1	0 8	15 4	8 9	6 31	6 49	22 19	12 46	7 29		
T 28	19 1	14 0	1 28	10 51	4 21	10 41	1 27	8 50	2 46	3 56	1 12	20 7	0 17	8 32	0 48	16 1	0 8	15 4	8 9	6 31	6 48	22 17	12 47	7 29		
F 29	18 47	19 7	2 31	10 50	4 30	10 13	1 26	9 2	2 46	3 59	1 12	20 5	0 17	8 33	0 48	16 2	0 8	15 5	8 9	6 31	6 47	22 15	12 47	7 29		
S 30	18 32	23 15	3 25	10 52	4 38	9 44	1 24	9 14	2 46	4 2	1 12	20 3	0 17	8 34	0 48	16 2	0 8	15 5	8 8	6 30	6 45	22 13	12 48	7 29		
S 31	18n18	26n14	4n 8	10n56	4s45	9n16	1n23	9n26	2s47	4s 6	1n12	20n 2	0n18	8s34	0s48	16s 3	0s 8	15s 5	8n 8	6n29	6n44	22n11	12s49	7n29		



## ASTRODIENST EPHEMERIS for the year 2005

geocentric

AUGUST 2005

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 38 48	8♂51'07	23♂31	17°R20	10♂46	2♂11	13♂19	2♂0	9°R57	16°R25	22°R 5	16°R21	17°Y 6	10♂32	0°R 1	M 1
T 2	20 42 45	9°48'32	5♂34	16♂38	11°57	2°45	13°27	2° 8	9♂55	16♂23	22♂ 5	16°Y12	17° 3	10°39	29♂57	T 2
W 3	20 46 42	10°45'59	17°32	15°55	13° 9	3°19	13°36	2°15	9°53	16°21	22° 4	16° 1	16°59	10°45	29°54	W 3
T 4	20 50 38	11°43'26	29°26	15° 9	14°21	3°52	13°45	2°23	9°51	16°20	22° 3	15°49	16°56	10°52	29°50	T 4
F 5	20 54 35	12°40'55	11♂17	14°23	15°33	4°25	13°54	2°31	9°49	16°18	22° 2	15°37	16°53	10°59	29°47	F 5
S 6	20 58 31	13°38'24	23° 8	13°37	16°45	4°58	14° 3	2°38	9°47	16°17	22° 1	15°26	16°50	11° 6	29°44	S 6
S 7	21 2 28	14°35'54	5♂0	12°51	17°56	5°31	14°12	2°46	9°45	16°15	22° 0	15°18	16°47	11°12	29°40	S 7
M 8	21 6 24	15°33'25	16°55	12° 7	19° 8	6° 3	14°21	2°54	9°43	16°13	21°59	15°11	16°44	11°19	29°37	M 8
T 9	21 10 21	16°30'57	28°55	11°25	20°20	6°35	14°31	3° 1	9°40	16°12	21°59	15° 8	16°40	11°26	29°34	T 9
W10	21 14 17	17°28'30	11♂4	10°47	21°31	7° 6	14°40	3° 9	9°38	16°10	21°58	15°D 6	16°37	11°32	29°31	W10
T 11	21 18 14	18°26'04	23°25	10°13	22°43	7°38	14°50	3°16	9°36	16° 8	21°57	15° 6	16°34	11°39	29°27	T 11
F 12	21 22 11	19°23'39	6♂3	9°43	23°54	8° 9	14°59	3°24	9°34	16° 7	21°57	15° 7	16°31	11°46	29°24	F 12
S 13	21 26 7	20°21'15	19° 1	9°19	25° 6	8°39	15° 9	3°32	9°32	16° 5	21°56	15°R 8	16°28	11°52	29°21	S 13
S 14	21 30 4	21°18'51	2♂23	9° 1	26°17	9°10	15°19	3°39	9°29	16° 4	21°55	15° 7	16°25	11°59	29°18	S 14
M15	21 34 0	22°16'29	16°12	8°50	27°28	9°40	15°29	3°47	9°27	16° 2	21°55	15° 5	16°21	12° 6	29°15	M15
T 16	21 37 57	23°14'08	0♂29	8°D45	28°40	10° 9	15°39	3°54	9°25	16° 0	21°54	15° 1	16°18	12°13	29°12	T 16
W17	21 41 53	24°11'47	15°11	8°48	29°51	10°38	15°49	4° 2	9°23	15°59	21°54	14°54	16°15	12°19	29° 9	W17
T 18	21 45 50	25° 9'28	0♂13	8°57	1♂2	11° 7	15°59	4° 9	9°20	15°57	21°53	14°47	16°12	12°26	29° 6	T 18
F 19	21 49 46	26° 7'10	15°28	9°15	2°13	11°36	16°10	4°16	9°18	15°55	21°53	14°40	16° 9	12°33	29° 3	F 19
S 20	21 53 43	27° 4'53	0♂43	9°39	3°24	12° 4	16°20	4°24	9°16	15°54	21°52	14°34	16° 5	12°39	29° 0	S 20
S 21	21 57 40	28° 2'37	15°49	10°12	4°35	12°31	16°30	4°31	9°13	15°52	21°52	14°29	16° 2	12°46	28°57	S 21
M22	22 1 36	29° 0'23	0°Y36	10°51	5°46	12°59	16°41	4°38	9°11	15°51	21°52	14°26	15°59	12°53	28°55	M22
T 23	22 5 33	29°58'11	14°58	11°38	6°57	13°26	16°51	4°46	9° 9	15°49	21°51	14°D26	15°56	13° 0	28°52	T 23
W24	22 9 29	0♂56'00	28°53	12°32	8° 8	13°52	17° 2	4°53	9° 6	15°48	21°51	14°26	15°53	13° 6	28°49	W24
T 25	22 13 26	1°53'51	12♂20	13°33	9°19	14°18	17°13	5° 0	9° 4	15°46	21°51	14°28	15°50	13°13	28°46	T 25
F 26	22 17 22	2°51'43	25°22	14°41	10°29	14°44	17°24	5° 7	9° 2	15°44	21°50	14°29	15°46	13°20	28°44	F 26
S 27	22 21 19	3°49'38	8♂2	15°54	11°40	15° 9	17°35	5°15	8°59	15°43	21°50	14°R29	15°43	13°26	28°41	S 27
S 28	22 25 15	4°47'34	20°24	17°14	12°51	15°33	17°46	5°22	8°57	15°41	21°50	14°27	15°40	13°33	28°39	S 28
M29	22 29 12	5°45'33	2♂32	18°39	14° 1	15°57	17°57	5°29	8°54	15°40	21°50	14°24	15°37	13°40	28°36	M29
T 30	22 33 9	6°43'33	14°32	20° 9	15°12	16°21	18° 8	5°36	8°52	15°38	21°50	14°20	15°34	13°47	28°34	T 30
W31	22 37 5	7♂41'34	26♂25	21♂44	16♂22	16♂44	18♂19	5♂43	8♂50	15♂37	21♂50	14°Y14	15°Y31	13♂53	28♂31	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	18n 3	27n56	4n39	11n 2	4s50	8n47	1n21	9n37	2s47	4s 9	1n12	20n 0	0n18	8s35	0s48	16s 3
T 2	17 48	28 16	4 57	11 11	4 54	8 18	1 20	9 49	2 47	4 13	1 11	19 59	0 18	8 36	0 48	16 3
W 3	17 32	27 17	5 2	11 21	4 56	7 49	1 18	10 0	2 47	4 16	1 11	19 57	0 18	8 37	0 48	16 4
T 4	17 16	25 4	4 54	11 34	4 56	7 20	1 16	10 11	2 48	4 20	1 11	19 55	0 18	8 37	0 48	16 4
F 5	17 0	21 46	4 33	11 49	4 55	6 50	1 14	10 22	2 48	4 24	1 11	19 54	0 18	8 38	0 48	16 5
S 6	16 44	17 35	4 0	12 5	4 51	6 20	1 12	10 32	2 48	4 27	1 11	19 52	0 18	8 39	0 48	16 5
S 7	16 27	12 44	3 17	12 22	4 46	5 50	1 10	10 43	2 48	4 31	1 11	19 50	0 18	8 40	0 48	16 6
M 8	16 10	7 23	2 25	12 41	4 39	5 20	1 8	10 53	2 48	4 35	1 10	19 49	0 18	8 41	0 48	16 6
T 9	15 53	1 44	1 25	13 1	4 31	4 50	1 5	11 4	2 48	4 39	1 10	19 47	0 18	8 41	0 48	16 7
W10	15 36	4s 3	0 22	13 21	4 21	4 20	1 3	11 14	2 48	4 42	1 10	19 45	0 18	8 42	0 48	16 7
T 11	15 18	9 47	0s44	13 41	4 9	3 49	1 1	11 24	2 48	4 46	1 10	19 44	0 18	8 43	0 48	16 8
F 12	15 0	15 16	1 50	14 2	3 56	3 19	0 58	11 34	2 49	4 50	1 10	19 42	0 19	8 44	0 48	16 8
S 13	14 42	20 13	2 52	14 21	3 42	2 48	0 56	11 44	2 49	4 54	1 9	19 40	0 19	8 45	0 48	16 9
S 14	14 24	24 20	3 46	14 41	3 26	2 18	0 53	11 53	2 49	4 58	1 9	19 39	0 19	8 46	0 48	16 9
M15	14 5	27 11	4 29	14 59	3 10	1 47	0 51	12 2	2 49	5 2	1 9	19 37	0 19	8 46	0 48	16 10
T 16	13 46	28 24	4 57	15 17	2 54	1 16	0 48	12 12	2 49	5 6	1 9	19 35	0 19	8 47	0 48	16 10
W17	13 27	27 39	5 7	15 33	2 37	0 45	0 45	12 21	2 48	5 10	1 9	19 34	0 19	8 48	0 48	16 11
T 18	13 8	24 55	4 56	15 47	2 19	0 14	0 42	12 30	2 48	5 14	1 9	19 32	0 19	8 49	0 48	16 11
F 19	12 49	20 24	4 24	15 59	2 2	0s17	0 39	12 39	2 48	5 18	1 8	19 30	0 19	8 50	0 49	16 12
S 20	12 29	14 33	3 33	16 10	1 44	0 48	0 36	12 47	2 48	5 22	1 8	19 29	0 19	8 51	0 49	16 12
S 21	12 9	7 52	2 28	16 18	1 27	1 19	0 33	12 56	2 48	5 26	1 8	19 27	0 20	8 52	0 49	16 13
M22	11 49	0 54	1 14	16 24	1 9	1 50	0 30	13 4	2 48	5 31	1 8	19 25	0 20	8 53	0 49	16 13
T 23	11 29	5n57	0n 3	16 27	0 53	2 21	0 27	13 12	2 48	5 35	1 8	19 24	0 20	8 53	0 49	16 14
W24	11 9	12 17	1 18	16 28	0 36	2 52	0 24	13 20	2 47	5 39	1 8	19 22	0 20	8 54	0 49	16 14
T 25	10 48	17 51	2 25	16 26	0 21	3 22	0 21	13 28	2 47	5 43	1 8	19 20	0 20	8 55	0 49	16 15
F 26	10 27	22 24	3 23	16 20	0 6	3 53	0 17	13 36	2 47	5 48	1 7	19 19	0 20	8 56	0 49	16 15
S 27	10 6	25 45	4 10	16 12	0n 8	4 24	0 14	13 43	2 47	5 52	1 7	19 17	0 20	8 57	0 49	16 16
S 28	9 45	27 48	4 43	16 1	0 22	4 55	0 11	13 51	2 46	5 56	1 7	19 15	0 20	8 58	0 49	16 16
M29	9 24	28 29	5 4	15 47	0 34	5 25	0 7	13 58	2 46	6 0	1 7	19 14	0 20	8 59	0 49	16 17
T 30	9 3	27 47	5 10	15 29	0 46	5 56	0 4	14 5	2 46	6 5	1 7	19 12	0 20	9 0	0 49	16 17
W31	8n41	25n50	5n 3	15n 9	0n56	6s26	0n 0	14n12	2s45	6s 9	1n 7	19n11	0n21	9s 1	0s49	16s18

Julian Day Number = 2453583.5, Delta T = 64.77 sec

Ecliptic obliquity = 23°26'27", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°49'06", Lahiri = 23°56'06"

# ASTRODIENST EPHEMERIS for the year 2005

## geocentric

SEPTEMBER 2005

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 41 2	8♐39'38	8♏17	23♏23	17♏33	17♏7	18♏30	5♏50	8♏47	15♏35	21♏50	14♏7	15♏27	14♏0	28♏29	T 1
F 2	22 44 58	9°37'43	20° 8	25° 5	18°43	17°29	18°42	5°57	8♏45	15♏34	21♏49	14♏1	15°24	14° 7	28♏27	F 2
S 3	22 48 55	10°35'50	2♐1	26°50	19°53	17°50	18°53	6° 4	8°43	15°32	21♏49	13°55	15°21	14°13	28°25	S 3
S 4	22 52 51	11°33'59	13°58	28°38	21° 3	18°11	19° 5	6°10	8°40	15°31	21°50	13°51	15°18	14°20	28°22	S 4
M 5	22 56 48	12°32'09	26° 2	0♐28	22°14	18°32	19°16	6°17	8°38	15°30	21°50	13°48	15°15	14°27	28°20	M 5
T 6	23 0 44	13°30'21	8♏12	2°20	23°24	18°51	19°28	6°24	8°35	15°28	21°50	13°D46	15°11	14°33	28°18	T 6
W 7	23 4 41	14°28'35	20°32	4°13	24°34	19°11	19°40	6°31	8°33	15°27	21°50	13°46	15° 8	14°40	28°16	W 7
T 8	23 8 38	15°26'50	3♐4	6° 7	25°44	19°29	19°51	6°37	8°31	15°25	21°50	13°47	15° 5	14°47	28°14	T 8
F 9	23 12 34	16°25'07	15°50	8° 2	26°53	19°47	20° 3	6°44	8°28	15°24	21°50	13°49	15° 2	14°54	28°13	F 9
S 10	23 16 31	17°23'26	28°52	9°57	28° 3	20° 5	20°15	6°50	8°26	15°23	21°50	13°51	14°59	15° 0	28°11	S 10
S 11	23 20 27	18°21'46	12♏14	11°52	29°13	20°21	20°27	6°57	8°23	15°21	21°51	13°R52	14°56	15° 7	28° 9	S 11
M12	23 24 24	19°20'07	25°58	13°47	0♐23	20°37	20°39	7° 3	8°21	15°20	21°51	13°52	14°52	15°14	28° 7	M12
T 13	23 28 20	20°18'31	10♏3	15°42	1°32	20°53	20°51	7°10	8°19	15°19	21°51	13°50	14°49	15°20	28° 6	T 13
W14	23 32 17	21°16'55	24°29	17°36	2°41	21° 7	21° 3	7°16	8°16	15°18	21°52	13°48	14°46	15°27	28° 4	W14
T 15	23 36 13	22°15'22	9♏13	19°29	3°51	21°21	21°15	7°22	8°14	15°16	21°52	13°46	14°43	15°34	28° 3	T 15
F 16	23 40 10	23°13'49	24° 8	21°22	5° 0	21°35	21°27	7°29	8°12	15°15	21°52	13°43	14°40	15°40	28° 1	F 16
S 17	23 44 7	24°12'19	9♏7	23°14	6° 9	21°47	21°39	7°35	8°10	15°14	21°53	13°41	14°37	15°47	28° 0	S 17
S 18	23 48 3	25°10'50	24° 1	25° 5	7°18	21°59	21°51	7°41	8° 7	15°13	21°53	13°39	14°33	15°54	27°59	S 18
M19	23 52 0	26° 9'23	8♏43	26°55	8°27	22°10	22° 4	7°47	8° 5	15°12	21°54	13°D38	14°30	16° 1	27°58	M19
T 20	23 55 56	27° 7'58	23° 5	28°45	9°36	22°21	22°16	7°53	8° 3	15°11	21°54	13°38	14°27	16° 7	27°57	T 20
W21	23 59 53	28° 6'36	7♏3	0♏33	10°45	22°31	22°28	7°59	8° 1	15° 9	21°55	13°39	14°24	16°14	27°56	W21
T 22	0 3 49	29° 5'15	20°36	2°20	11°54	22°39	22°41	8° 5	7°58	15° 8	21°56	13°40	14°21	16°21	27°55	T 22
F 23	0 7 46	0♏35'57	3♐44	4° 7	13° 2	22°48	22°53	8°10	7°56	15° 7	21°56	13°41	14°17	16°27	27°54	F 23
S 24	0 11 42	1° 2'41	16°28	5°52	14°11	22°55	23° 6	8°16	7°54	15° 6	21°57	13°42	14°14	16°34	27°53	S 24
S 25	0 15 39	2° 1'27	28°53	7°37	15°19	23° 1	23°18	8°22	7°52	15° 5	21°58	13°R43	14°11	16°41	27°52	S 25
M26	0 19 36	3° 0'16	11♏3	9°20	16°27	23° 7	23°31	8°27	7°50	15° 4	21°58	13°43	14° 8	16°48	27°51	M26
T 27	0 23 32	3°59'06	23° 2	11° 3	17°35	23°12	23°43	8°33	7°48	15° 3	21°59	13°42	14° 5	16°54	27°51	T 27
W28	0 27 29	4°57'59	4♏55	12°45	18°44	23°16	23°56	8°38	7°46	15° 3	22° 0	13°41	14° 2	17° 1	27°50	W28
T 29	0 31 25	5°56'55	16°46	14°25	19°51	23°19	24° 9	8°44	7°44	15° 2	22° 1	13°40	13°58	17° 8	27°50	T 29
F 30	0 35 22	6♏55'52	28♏38	16♏5	20♏59	23♏21	24♏21	8♏49	7♏42	15♏1	22♏2	13♏39	13♏55	17♏14	27♏49	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	8n19	22n45	4n43	14n46	1n 6	6s56	0s 4	14n19	2s45	6s14	1n 7	19n 9	0n21	9s 2	0s49	16s18
F 2	7 58	18 45	4 11	14 20	1 14	7 27	0 7	14 25	2 44	6 18	1 7	19 7	0 21	9 2	0 49	16 18
S 3	7 36	14 0	3 28	13 51	1 22	7 57	0 11	14 32	2 44	6 22	1 6	19 6	0 21	9 3	0 49	16 19
S 4	7 14	8 42	2 36	13 20	1 28	8 27	0 15	14 38	2 43	6 27	1 6	19 4	0 21	9 4	0 49	16 19
M 5	6 51	3 2	1 36	12 46	1 34	8 56	0 18	14 44	2 43	6 31	1 6	19 3	0 21	9 5	0 49	16 20
T 6	6 29	2s47	0 30	12 11	1 38	9 26	0 22	14 50	2 42	6 36	1 6	19 1	0 21	9 6	0 49	16 20
W 7	6 7	8 36	0s37	11 33	1 42	9 55	0 26	14 56	2 41	6 40	1 6	18 59	0 21	9 7	0 49	16 21
T 8	5 44	14 10	1 44	10 53	1 45	10 24	0 30	15 1	2 41	6 45	1 6	18 58	0 21	9 8	0 49	16 21
F 9	5 22	19 14	2 47	10 12	1 47	10 53	0 34	15 7	2 40	6 50	1 6	18 56	0 22	9 9	0 49	16 21
S 10	4 59	23 32	3 43	9 30	1 48	11 22	0 38	15 12	2 39	6 54	1 6	18 55	0 22	9 10	0 49	16 22
S 11	4 36	26 41	4 28	8 47	1 48	11 51	0 41	15 17	2 39	6 59	1 5	18 53	0 22	9 10	0 49	16 22
M12	4 13	28 22	4 59	8 2	1 48	12 19	0 45	15 22	2 38	7 3	1 5	18 52	0 22	9 11	0 49	16 23
T 13	3 50	28 16	5 14	7 17	1 47	12 47	0 49	15 27	2 37	7 8	1 5	18 50	0 22	9 12	0 49	16 23
W14	3 27	26 18	5 9	6 31	1 45	13 15	0 53	15 32	2 36	7 12	1 5	18 49	0 22	9 13	0 49	16 23
T 15	3 4	22 31	4 44	5 44	1 43	13 42	0 57	15 36	2 35	7 17	1 5	18 47	0 22	9 14	0 49	16 24
F 16	2 41	17 15	4 0	4 57	1 40	14 9	1 1	15 41	2 34	7 22	1 5	18 46	0 22	9 15	0 48	16 24
S 17	2 18	10 55	2 59	4 10	1 37	14 36	1 5	15 45	2 33	7 26	1 5	18 44	0 22	9 16	0 48	16 24
S 18	1 55	4 0	1 46	3 23	1 33	15 3	1 9	15 49	2 32	7 31	1 5	18 43	0 23	9 16	0 48	16 25
M19	1 32	3n 2	0 27	2 35	1 29	15 29	1 13	15 53	2 31	7 36	1 5	18 41	0 23	9 17	0 48	16 25
T 20	1 8	9 47	0n52	1 47	1 24	15 55	1 17	15 57	2 30	7 40	1 5	18 40	0 23	9 18	0 48	16 25
W21	0 45	15 51	2 6	1 0	1 20	16 20	1 22	16 0	2 28	7 45	1 4	18 39	0 23	9 19	0 48	16 26
T 22	0 22	20 58	3 10	0 12	1 14	16 46	1 26	16 4	2 27	7 50	1 4	18 37	0 23	9 20	0 48	16 26
F 23	0s 2	24 52	4 3	0s35	1 9	17 11	1 30	16 7	2 26	7 54	1 4	18 36	0 23	9 20	0 48	16 26
S 24	0 25	27 25	4 42	1 22	1 3	17 35	1 34	16 10	2 24	7 59	1 4	18 34	0 23	9 21	0 48	16 27
S 25	0 48	28 32	5 6	2 8	0 58	17 59	1 38	16 13	2 23	8 4	1 4	18 33	0 23	9 22	0 48	16 27
M26	1 12	28 14	5 16	2 55	0 51	18 23	1 42	16 16	2 22	8 8	1 4	18 32	0 24	9 23	0 48	16 27
T 27	1 35	26 36	5 12	3 41	0 45	18 46	1 46	16 19	2 20	8 13	1 4	18 30	0 24	9 24	0 48	16 28
W28	1 58	23 48	4 55	4 26	0 39	19 9	1 50	16 21	2 19	8 18	1 4	18 29	0 24	9 24	0 48	16 28
T 29	2 22	20 2	4 25	5 12	0 32	19 32	1 54	16 24	2 17	8 23	1 4	18 28	0 24	9 25	0 48	16 28
F 30	2s45	15n27	3n44	5s56	0n25	19s54	1s57	16n26	2s15	8s27	1n 4	18n27	0n24	9s26	0s48	16s28

Julian Day Number = 2453614.5, Delta T = 64.78 sec

Ecliptic obliquity = 23°26'28", Nutation = - 0°00'03", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°49'10", Lahiri = 23°56'10"

ASTRODIENST EPHEMERIS for the year 2005  
geocentric

OCTOBER 2005

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 18	7♂54°51	10♂36	17♂44	22♂7	23♂22	24♂34	8♂54	7°R40	15°R 0	22♂ 3	13°R38	13°Y52	17♂21	27°R49	S 1
S 2	0 43 15	8°53'53	22°41	19°22	23°15	23°R22	24°47	8°59	7♂38	14°59	22° 4	13°Y38	13°49	17°28	27♂49	S 2
M 3	0 47 11	9°52'57	4♂55	20°59	24°22	23°22	25° 0	9° 4	7°36	14°58	22° 4	13°37	13°46	17°34	27°48	M 3
T 4	0 51 8	10°52'02	17°21	22°36	25°29	23°20	25°13	9° 9	7°34	14°58	22° 5	13°D37	13°42	17°41	27°48	T 4
W 5	0 55 4	11°51'10	29°58	24°11	26°37	23°18	25°25	9°14	7°32	14°57	22° 6	13°37	13°39	17°48	27°D48	W 5
T 6	0 59 1	12°50'20	12♂49	25°46	27°44	23°15	25°38	9°19	7°30	14°56	22° 8	13°37	13°36	17°54	27°48	T 6
F 7	1 2 58	13°49'32	25°53	27°20	28°50	23°11	25°51	9°24	7°29	14°56	22° 9	13°R37	13°33	18° 1	27°48	F 7
S 8	1 6 54	14°48'45	9♂11	28°53	29°57	23° 6	26° 4	9°28	7°27	14°55	22°10	13°37	13°30	18° 8	27°48	S 8
S 9	1 10 51	15°48'01	22°44	0♂26	1♂ 4	23° 0	26°17	9°33	7°25	14°54	22°11	13°37	13°27	18°15	27°49	S 9
M10	1 14 47	16°47'18	6♂30	1°58	2°10	22°53	26°30	9°38	7°23	14°54	22°12	13°37	13°23	18°21	27°49	M10
T 11	1 18 44	17°46'37	20°30	3°29	3°17	22°45	26°43	9°42	7°22	14°53	22°13	13°D37	13°20	18°28	27°49	T 11
W12	1 22 40	18°45'58	4♂42	4°59	4°23	22°37	26°56	9°46	7°20	14°53	22°14	13°37	13°17	18°35	27°50	W12
T 13	1 26 37	19°45'20	19° 5	6°28	5°29	22°27	27° 9	9°51	7°18	14°52	22°16	13°38	13°14	18°41	27°50	T 13
F 14	1 30 33	20°44'44	3♂35	7°57	6°34	22°17	27°22	9°55	7°17	14°52	22°17	13°38	13°11	18°48	27°51	F 14
S 15	1 34 30	21°44'10	18° 7	9°25	7°40	22° 6	27°35	9°59	7°15	14°51	22°18	13°39	13° 8	18°55	27°52	S 15
S 16	1 38 27	22°43'38	2°Y37	10°52	8°45	21°54	27°48	10° 3	7°14	14°51	22°20	13°39	13° 4	19° 1	27°52	S 16
M17	1 42 23	23°43'07	16°59	12°18	9°50	21°42	28° 1	10° 7	7°13	14°51	22°21	13°R39	13° 1	19° 8	27°53	M17
T 18	1 46 20	24°42'39	1♂ 8	13°44	10°55	21°28	28°14	10°10	7°11	14°50	22°22	13°39	12°58	19°15	27°54	T 18
W19	1 50 16	25°42'13	14°59	15° 9	12° 0	21°14	28°27	10°14	7°10	14°50	22°24	13°38	12°55	19°22	27°55	W19
T 20	1 54 13	26°41'48	28°29	16°33	13° 4	20°59	28°40	10°18	7° 9	14°50	22°25	13°36	12°52	19°28	27°56	T 20
F 21	1 58 9	27°41'27	11♂38	17°56	14° 9	20°43	28°53	10°21	7° 7	14°50	22°27	13°34	12°48	19°35	27°57	F 21
S 22	2 2 6	28°41'07	24°25	19°18	15°13	20°27	29° 6	10°25	7° 6	14°49	22°28	13°32	12°45	19°42	27°59	S 22
S 23	2 6 2	29°40'49	6♂53	20°39	16°16	20°10	29°19	10°28	7° 5	14°49	22°30	13°31	12°42	19°48	28° 0	S 23
M24	2 9 59	0♂40'34	19° 5	21°59	17°20	19°53	29°32	10°31	7° 4	14°49	22°31	13°29	12°39	19°55	28° 1	M24
T 25	2 13 56	1°40'21	1♂ 5	23°18	18°23	19°35	29°45	10°34	7° 3	14°49	22°33	13°D29	12°36	20° 2	28° 3	T 25
W26	2 17 52	2°40'10	12°59	24°36	19°26	19°16	29°58	10°37	7° 2	14°49	22°34	13°29	12°33	20° 8	28° 4	W26
T 27	2 21 49	3°40'01	24°49	25°53	20°29	18°57	0♂12	10°40	7° 1	14°D49	22°36	13°30	12°29	20°15	28° 6	T 27
F 28	2 25 45	4°39'55	6♂43	27° 8	21°31	18°37	0°25	10°43	7° 0	14°49	22°38	13°32	12°26	20°22	28° 7	F 28
S 29	2 29 42	5°39'50	18°43	28°21	22°34	18°17	0°38	10°46	6°59	14°49	22°39	13°34	12°23	20°29	28° 9	S 29
S 30	2 33 38	6°39'48	0♂54	29°33	23°35	17°57	0°51	10°48	6°58	14°49	22°41	13°35	12°20	20°35	28°11	S 30
M31	2 37 35	7♂39'48	13♂19	0♂43	24♂37	17♂36	1♂ 4	10♂51	6°57	14°49	22♂43	13°R36	12°Y17	20♂42	28♂12	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3s 8	10n16	2n53	6s40	0n19	20s15	2s 1	16n28	2s13	8s32	1n 4	18n25	0n24	9s27	0s48	16s29	0s 9	15s26	7n47	5n23	5n28	19n43	13s37	7n 7			
S 2	3 32	4 39	1 54	7 24	0 12	20 36	2 5	16 30	2 12	8 37	1 4	18 24	0 24	9 27	0 48	16 29	0 9	15 27	7 46	5 23	5 27	19 41	13 37	7 7			
M 3	3 55	1s13	0 48	8 7	0 5	20 57	2 9	16 31	2 10	8 41	1 4	18 23	0 24	9 28	0 48	16 29	0 9	15 27	7 46	5 23	5 26	19 38	13 38	7 6			
T 4	4 18	7 8	0s21	8 50	0s 2	21 17	2 13	16 33	2 8	8 46	1 3	18 22	0 25	9 29	0 48	16 29	0 9	15 27	7 46	5 23	5 25	19 36	13 39	7 6			
W 5	4 41	12 52	1 29	9 31	0 9	21 37	2 17	16 34	2 6	8 51	1 3	18 21	0 25	9 29	0 48	16 30	0 9	15 28	7 45	5 23	5 23	19 33	13 39	7 5			
T 6	5 4	18 9	2 35	10 13	0 16	21 56	2 20	16 35	2 4	8 56	1 3	18 19	0 25	9 30	0 48	16 30	0 9	15 28	7 45	5 23	5 22	19 31	13 40	7 5			
F 7	5 27	22 41	3 34	10 53	0 23	22 15	2 24	16 36	2 2	9 0	1 3	18 18	0 25	9 31	0 48	16 30	0 9	15 29	7 45	5 23	5 21	19 28	13 40	7 4			
S 8	5 50	26 8	4 22	11 33	0 30	22 33	2 28	16 37	2 0	9 5	1 3	18 17	0 25	9 31	0 48	16 30	0 9	15 29	7 44	5 23	5 20	19 25	13 41	7 4			
S 9	6 13	28 10	4 56	12 13	0 38	22 50	2 31	16 38	1 57	9 10	1 3	18 16	0 25	9 32	0 48	16 30	0 9	15 29	7 44	5 23	5 18	19 23	13 41	7 3			
M10	6 36	28 31	5 15	12 51	0 45	23 8	2 35	16 38	1 55	9 15	1 3	18 15	0 25	9 32	0 48	16 31	0 9	15 30	7 44	5 22	5 17	19 20	13 41	7 3			
T 11	6 59	27 4	5 15	13 29	0 52	23 24	2 38	16 39	1 53	9 19	1 3	18 14	0 25	9 33	0 48	16 31	0 9	15 30	7 43	5 22	5 16	19 18	13 42	7 2			
W12	7 21	23 52	4 56	14 6	0 59	23 40	2 42	16 39	1 50	9 24	1 3	18 13	0 26	9 34	0 48	16 31	0 9	15 30	7 43	5 22	5 15	19 15	13 42	7 2			
T 13	7 44	19 12	4 19	14 42	1 5	23 56	2 45	16 39	1 48	9 29	1 3	18 12	0 26	9 34	0 48	16 31	0 9	15 31	7 43	5 23	5 13	19 13	13 43	7 1			
F 14	8 6	13 22	3 24	15 18	1 12	24 10	2 48	16 39	1 45	9 33	1 3	18 11	0 26	9 35	0 48	16 31	0 9	15 31	7 42	5 23	5 12	19 10	13 43	7 0			
S 15	8 28	6 48	2 17	15 53	1 19	24 25	2 52	16 39	1 42	9 38	1 3	18 10	0 26	9 35	0 48	16 31	0 9	15 32	7 42	5 23	5 11	19 7	13 44	7 0			
S 16	8 50	0n 7	1 1	16 27	1 26	24 38	2 55	16 38	1 40	9 43	1 3	18 9	0 26	9 36	0 48	16 31	0 9	15 32	7 42	5 23	5 10	19 5	13 44	6 59			
M17	9 12	6 57	0n18	17 0	1 32	24 52	2 58	16 38	1 37	9 47	1 3	18 8	0 26	9 36	0 48	16 32	0 9	15 32	7 42	5 23	5 8	19 2	13 44	6 59			
T 18	9 34	13 21	1 35	17 32	1 39	25 4	3 1	16 37	1 34	9 52	1 3	18 7	0 26	9 37	0 48	16 32	0 9	15 33	7 41	5 23	5 7	18 59	13 45	6 58			
W19	9 56	18 57	2 45	18 3	1 45	25 16	3 4	16 36	1 31	9 57	1 3	18 6	0 27	9 37	0 48	16 32	0 9	15 33	7 41	5 23	5 6	18 57	13 45	6 58			
T 20	10 18	23 27	3 43	18 33	1 51	25 27	3 7	16 35	1 28	10 1	1 3	18 5	0 27	9 38	0 48	16 32	0 9	15 34	7 41	5 22	5 5	18 54	13 45	6 57			
F 21	10 39	26 36	4 28	19 3	1 57	25 38	3 9	16 34	1 25	10 6	1 3	18 5	0 27	9 38	0 48	16 32	0 9	15 34	7 40	5 21	5 4	18 52	13 46	6 57			
S 22	11 0	28 18	4 58	19 31	2 3	25 48	3 12	16 32	1 22	10 11	1 3	18 4	0 27	9 39	0 48	16 32	0 9	15 34	7 40	5 21	5 2	18 49	13 46	6 56			
S 23	11 22	28 29	5 14	19 58	2 8	25 58	3 15	16 31	1 19	10 15	1 3	18 3	0 27	9 39	0 48	16 32	0 9	15 35	7 40	5 20	5 1	18 46	13 46	6 56			
M24	11 43	27 16	5 14	20 25	2 13	26 7	3 17	16 29	1 16	10 20	1 3	18 2	0 27	9 39	0 48	16 32	0 9	15 35	7 39	5 19	5 0	18 44	13 46	6 55			
T 25	12 3	24 49	5 1	20 50	2 18	26 15	3 20	16 28	1 13	10 25	1 3	18 2	0 27	9 40	0 48	16 32	0 9	15 35	7 39	5 19	4 59	18 41	13 47	6 55			
W26	12 24	21 19	4 35	21 14	2 23	26 22	3 22	16 26	1 10	10 29	1 3	18 1	0 28	9 40	0 48	16 32	0 9	15 36	7 39	5 19	4 57	18 38	13 47	6 54			
T 27	12 44	16 58	3 57	21 37	2 28	26 29	3 24	16 24	1 6	10 34	1 3	18 0	0 28	9 40	0 48	16 32	0 9	15 36	7 39	5 20	4 56	18 36	13 47	6 54			
F 28	13 5	11 59	3 9	21 59	2 32	26 36	3 26	16 21	1 3	10 38	1 3	18 0	0 28	9 41	0 47	16 32	0 9	15 37	7 38	5 20	4 55	18 33	13 47	6 53			
S 29	13 25	6 30	2 13	22 19	2 36	26 42	3 28	16 19	1 0	10 43	1 3	17 59	0 28	9 41	0 47	16 32	0 9	15 37	7 38	5 21	4 54	18 30	13 47	6 53			
S 30	13 44	0 42	1 9	22 39	2 39	26 47	3 30	16 17	0 56	10 48	1 3	17 58	0 28	9 41	0 47	16 32	0 9	15 37	7 38	5 22	4 52	18 28	13 48	6 52			
M31	14s 4	5s14	0n 2	22s57	2s42	26s51	3s31	16n14	0s53	10s52	1n 3	17n58	0n28	9s42	0s47	16s32	0s 9	15s38	7n37	5n22	4n51	18n25	13s48	6n52			

ASTRODIENST EPHEMERIS for the year 2005  
geocentric

NOVEMBER 2005

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 31	8♉39°50	25♊59	1♊52	25♊38	17°R15	1♉17	10♊53	6°R56	14♊49	22♊44	13°R35	12♊14	20♊49	28♊14	T 1
W 2	2 45 28	9°39'53	8♉57	2°57	26°39	16♊54	1°30	10°56	6♊56	14°50	22°46	13°Y33	12°10	20°55	28°16	W 2
T 3	2 49 25	10°39'59	22°12	4° 1	27°40	16°33	1°43	10°58	6°55	14°50	22°48	13°30	12° 7	21° 2	28°18	T 3
F 4	2 53 21	11°40'07	5♊42	5° 1	28°40	16°12	1°56	11° 0	6°54	14°50	22°50	13°26	12° 4	21° 9	28°20	F 4
S 5	2 57 18	12°40'16	19°26	5°59	29°40	15°50	2° 9	11° 2	6°54	14°50	22°51	13°21	12° 1	21°15	28°23	S 5
S 6	3 1 14	13°40'27	3♊20	6°52	0♊39	15°29	2°22	11° 4	6°53	14°51	22°53	13°17	11°58	21°22	28°25	S 6
M 7	3 5 11	14°40'40	17°21	7°42	1°38	15° 8	2°35	11° 5	6°53	14°51	22°55	13°13	11°54	21°29	28°27	M 7
T 8	3 9 7	15°40'54	1♊28	8°28	2°37	14°46	2°48	11° 7	6°52	14°51	22°57	13°11	11°51	21°35	28°30	T 8
W 9	3 13 4	16°41'09	15°37	9° 8	3°35	14°26	3° 1	11° 9	6°52	14°52	22°59	13°D10	11°48	21°42	28°32	W 9
T 10	3 17 0	17°41'26	29°47	9°44	4°33	14° 5	3°13	11°10	6°51	14°52	23° 1	13°10	11°45	21°49	28°34	T 10
F 11	3 20 57	18°41'44	13♊55	10°13	5°30	13°44	3°26	11°11	6°51	14°53	23° 3	13°12	11°42	21°56	28°37	F 11
S 12	3 24 54	19°42'03	28° 1	10°35	6°26	13°24	3°39	11°13	6°51	14°53	23° 5	13°13	11°39	22° 2	28°40	S 12
S 13	3 28 50	20°42'24	12♊ 3	10°49	7°22	13° 4	3°52	11°14	6°51	14°54	23° 7	13°R14	11°35	22° 9	28°42	S 13
M14	3 32 47	21°42'47	25°57	10°R56	8°18	12°45	4° 5	11°15	6°51	14°55	23° 9	13°13	11°32	22°16	28°45	M14
T 15	3 36 43	22°43'11	9♊42	10°54	9°13	12°26	4°17	11°16	6°51	14°55	23°11	13°11	11°29	22°22	28°48	T 15
W16	3 40 40	23°43'36	23°14	10°42	10° 8	12° 8	4°30	11°16	6°D51	14°56	23°13	13° 6	11°26	22°29	28°51	W16
T 17	3 44 36	24°44'03	6♊31	10°20	11° 1	11°50	4°43	11°17	6°51	14°57	23°15	12°59	11°23	22°36	28°54	T 17
F 18	3 48 33	25°44'32	19°32	9°47	11°55	11°32	4°56	11°18	6°51	14°57	23°17	12°52	11°20	22°42	28°57	F 18
S 19	3 52 29	26°45'03	2♊15	9° 4	12°47	11°16	5° 8	11°18	6°51	14°58	23°19	12°44	11°16	22°49	29° 0	S 19
S 20	3 56 26	27°45'35	14°42	8°11	13°39	10°59	5°21	11°18	6°51	14°59	23°21	12°36	11°13	22°56	29° 3	S 20
M21	4 0 23	28°46'09	26°54	7° 9	14°30	10°44	5°33	11°19	6°51	15° 0	23°23	12°30	11°10	23° 2	29° 6	M21
T 22	4 4 19	29°46'45	8♊54	5°59	15°21	10°29	5°46	11°R19	6°51	15° 1	23°25	12°25	11° 7	23° 9	29° 9	T 22
W23	4 8 16	0♊47'22	20°47	4°42	16°10	10°15	5°58	11°19	6°52	15° 1	23°27	12°23	11° 4	23°16	29°12	W23
T 24	4 12 12	1°48'01	2♊37	3°21	16°59	10° 1	6°11	11°19	6°52	15° 2	23°29	12°D22	11° 0	23°22	29°16	T 24
F 25	4 16 9	2°48'41	14°29	1°59	17°47	9°49	6°23	11°18	6°53	15° 3	23°31	12°23	10°57	23°29	29°19	F 25
S 26	4 20 5	3°49'23	26°29	0°39	18°34	9°37	6°36	11°18	6°53	15° 4	23°33	12°24	10°54	23°36	29°23	S 26
S 27	4 24 2	4°50'07	8♊42	29♉22	19°20	9°25	6°48	11°17	6°54	15° 5	23°36	12°R25	10°51	23°43	29°26	S 27
M28	4 27 58	5°50'52	21°11	28°12	20° 6	9°15	7° 0	11°17	6°54	15° 6	23°38	12°24	10°48	23°49	29°30	M28
T 29	4 31 55	6°51'39	4♉ 2	27°10	20°50	9° 5	7°12	11°16	6°55	15° 7	23°40	12°22	10°45	23°56	29°33	T 29
W30	4 35 52	7♊52'27	17♉15	26♉18	21♊33	8♊57	7♉24	11♊15	6♊56	15♊ 9	23♊42	12♊17	10♊41	24♊ 3	29♊37	W30

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
T 1	14s23	11s 5	1 s 8	23s13	2s45	26s55	3 s33	16n12	0s50	10s57	1n 3	17n57	0n28	9s42	0s47	16s32	0s 9	15s38	7n37	5n22	4n50	18n22	13s48	6n51	
W 2	14 43	16 37	2 15	23 29	2 47	26 58	3 34	16 9	0 46	11 1	1 2	17 57	0 29	9 42	0 47	16 32	0 9	15 38	7 37	5 21	4 49	18 20	13 48	6 51	
T 3	15 1	21 28	3 16	23 42	2 48	27 1	3 36	16 6	0 43	11 6	1 2	17 56	0 29	9 42	0 47	16 32	0 9	15 39	7 37	5 20	4 47	18 17	13 48	6 50	
F 4	15 20	25 19	4 7	23 55	2 49	27 3	3 37	16 3	0 39	11 10	1 2	17 56	0 29	9 43	0 47	16 32	0 9	15 39	7 36	5 18	4 46	18 14	13 48	6 50	
S 5	15 39	27 46	4 46	24 5	2 50	27 4	3 38	16 1	0 36	11 15	1 2	17 56	0 29	9 43	0 47	16 32	0 9	15 39	7 36	5 16	4 45	18 11	13 48	6 49	
S 6	15 57	28 31	5 8	24 14	2 49	27 5	3 39	15 58	0 32	11 19	1 2	17 55	0 29	9 43	0 47	16 32	0 9	15 40	7 36	5 15	4 44	18 9	13 48	6 49	
M 7	16 15	27 28	5 11	24 22	2 48	27 5	3 39	15 55	0 29	11 23	1 2	17 55	0 29	9 43	0 47	16 32	0 9	15 40	7 36	5 13	4 42	18 6	13 48	6 48	
T 8	16 32	24 39	4 57	24 27	2 46	27 5	3 40	15 52	0 25	11 28	1 3	17 55	0 29	9 43	0 47	16 31	0 9	15 40	7 35	5 12	4 41	18 3	13 48	6 48	
W 9	16 49	20 21	4 24	24 31	2 43	27 4	3 40	15 49	0 22	11 32	1 3	17 54	0 30	9 43	0 47	16 31	0 9	15 41	7 35	5 12	4 40	18 1	13 48	6 47	
T 10	17 7	14 54	3 35	24 32	2 39	27 2	3 41	15 46	0 18	11 37	1 3	17 54	0 30	9 43	0 47	16 31	0 9	15 41	7 35	5 12	4 39	17 58	13 48	6 47	
F 11	17 23	8 41	2 33	24 32	2 34	27 0	3 41	15 44	0 15	11 41	1 3	17 54	0 30	9 43	0 47	16 31	0 9	15 41	7 35	5 13	4 38	17 55	13 48	6 46	
S 12	17 40	2 2	1 22	24 29	2 28	26 57	3 41	15 41	0 12	11 45	1 3	17 54	0 30	9 43	0 47	16 31	0 9	15 42	7 34	5 13	4 36	17 52	13 48	6 46	
S 13	17 56	4n40	0 6	24 23	2 21	26 54	3 40	15 38	0 8	11 50	1 3	17 54	0 30	9 43	0 47	16 31	0 9	15 42	7 34	5 13	4 35	17 50	13 48	6 45	
M14	18 12	11 5	1n 9	24 16	2 12	26 50	3 40	15 35	0 5	11 54	1 3	17 53	0 30	9 43	0 47	16 31	0 9	15 42	7 34	5 13	4 34	17 47	13 48	6 45	
T 15	18 27	16 55	2 19	24 5	2 1	26 46	3 39	15 33	0 2	11 58	1 3	17 53	0 30	9 43	0 47	16 30	0 9	15 43	7 34	5 12	4 33	17 44	13 48	6 45	
W16	18 42	21 48	3 20	23 51	1 50	26 41	3 38	15 30	0n 2	12 2	1 3	17 53	0 31	9 43	0 47	16 30	0 9	15 43	7 34	5 10	4 31	17 41	13 48	6 44	
T 17	18 57	25 29	4 9	23 35	1 36	26 35	3 37	15 28	0 5	12 7	1 3	17 53	0 31	9 43	0 47	16 30	0 9	15 43	7 33	5 8	4 30	17 39	13 48	6 44	
F 18	19 12	27 44	4 43	23 15	1 21	26 29	3 36	15 25	0 8	12 11	1 3	17 53	0 31	9 43	0 47	16 30	0 9	15 44	7 33	5 5	4 29	17 36	13 47	6 43	
S 19	19 26	28 28	5 3	22 52	1 4	26 23	3 34	15 23	0 11	12 15	1 3	17 53	0 31	9 43	0 47	16 30	0 9	15 44	7 33	5 2	4 28	17 33	13 47	6 43	
S 20	19 40	27 44	5 8	22 26	0 47	26 16	3 33	15 21	0 14	12 19	1 3	17 53	0 31	9 43	0 47	16 29	0 9	15 44	7 33	4 59	4 26	17 30	13 47	6 42	
M21	19 53	25 39	4 59	21 57	0 27	26 8	3 31	15 19	0 17	12 23	1 3	17 53	0 31	9 43	0 47	16 29	0 9	15 45	7 33	4 56	4 25	17 28	13 47	6 42	
T 22	20 6	22 28	4 36	21 26	0 7	26 1	3 28	15 17	0 20	12 27	1 3	17 53	0 32	9 43	0 47	16 29	0 9	15 45	7 32	4 54	4 24	17 25	13 47	6 42	
W23	20 19	18 23	4 2	20 52	0n13	25 52	3 26	15 16	0 23	12 31	1 3	17 54	0 32	9 43	0 46	16 29	0 9	15 45	7 32	4 53	4 23	17 22	13 46	6 41	
T 24	20 31	13 37	3 18	20 17	0 34	25 43	3 23	15 14	0 26	12 36	1 3	17 54	0 32	9 43	0 46	16 28	0 9	15 45	7 32	4 53	4 21	17 19	13 46	6 41	
F 25	20 43	8 20	2 25	19 41	0 54	25 34	3 20	15 13	0 29	12 40	1 3	17 54	0 32	9 42	0 46	16 28	0 9	15 46	7 32	4 53	4 20	17 16	13 46	6 40	
S 26	20 55	2 42	1 25	19 6	1 13	25 25	3 17	15 12	0 32	12 44	1 3	17 54	0 32	9 42	0 46	16 28	0 9	15 46	7 32	4 54	4 19	17 14	13 45	6 40	
S 27	21 6	3s 8	0 20	18 33	1 31	25 15	3 14	15 11	0 34	12 48	1 3	17 55	0 32	9 42	0 46	16 27	0 9	15 46	7 31	4 54	4 18	17 11	13 45	6 39	
M28	21 17	9 0	0s47	18 2	1 47	25 4	3 10	15 10	0 37	12 52	1 3	17 55	0 32	9 42	0 46	16 27	0 9	15 46	7 31	4 54	4 16	17 8	13 45	6 39	
T 29	21 27	14 38	1 53	17 34	2 1	24 54	3 6	15 9	0 40	12 55	1 3	17 55	0 33	9 41	0 46	16 27	0 9	15 47	7 31	4 53	4 15	17 5	13 45	6 39	
W30	21s37	19s47	25s5	17s11	2n12	24s43	3s 2	15n 9	0n42	12s59	1n 3	17n56	0n33	9s41	0s46	16s27	0s 9	15s47	7n31	4n51	4n14	17n 2	13s44	6n38	

ASTRODIENST EPHEMERIS for the year 2005  
geocentric

DECEMBER 2005

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 39 48	8 <sup>h</sup> 53'17"	0 <sup>h</sup> 50'	25°R38	22 <sup>h</sup> 16'	8°R49	7 <sup>h</sup> 37'	11°R14	6 <sup>h</sup> 56'	15 <sup>h</sup> 10'	23 <sup>h</sup> 44'	12°R10	10 <sup>h</sup> 38'	24 <sup>h</sup> 09'	29 <sup>h</sup> 41'	T 1
F 2	4 43 45	9°54'08"	14°47'	25 <sup>h</sup> 08'	22°57'	8 <sup>h</sup> 41'	7°49'	11 <sup>h</sup> 013'	6°57'	15°11'	23°46'	12 <sup>h</sup> 01'	10°35'	24°16'	29°44'	F 2
S 3	4 47 41	10°55'00"	28°59'	24°51'	23°37'	8°35'	8° 1'	11°12'	6°58'	15°12'	23°49'	11°51'	10°32'	24°23'	29°48'	S 3
S 4	4 51 38	11°55'53"	13 <sup>h</sup> 22'	24°D44	24°16'	8°30'	8°13'	11°11'	6°59'	15°13'	23°51'	11°41'	10°29'	24°29'	29°52'	S 4
M 5	4 55 34	12°56'47"	27°50'	24°48'	24°53'	8°25'	8°25'	11°10'	7° 0'	15°15'	23°53'	11°32'	10°26'	24°36'	29°56'	M 5
T 6	4 59 31	13°57'42"	12 <sup>h</sup> 16'	25° 2'	25°29'	8°21'	8°36'	11° 8'	7° 1'	15°16'	23°55'	11°26'	10°22'	24°43'	29°59'	T 6
W 7	5 3 28	14°58'37"	26°36'	25°25'	26° 4'	8°18'	8°48'	11° 7'	7° 2'	15°17'	23°58'	11°22'	10°19'	24°49'	0 <sup>h</sup> 4'	W 7
T 8	5 7 24	15°59'33"	10 <sup>h</sup> 46'	25°57'	26°38'	8°16'	9° 0'	11° 5'	7° 3'	15°19'	24° 0'	11°D21	10°16'	24°56'	0° 8'	T 8
F 9	5 11 21	17° 0'30"	24°47'	26°35'	27°10'	8°15'	9°11'	11° 3'	7° 4'	15°20'	24° 2'	11°21'	10°13'	25° 3'	0°12'	F 9
S 10	5 15 17	18° 1'27"	8 <sup>h</sup> 36'	27°20'	27°40'	8°D14	9°23'	11° 1'	7° 5'	15°21'	24° 4'	11°R21	10°10'	25° 9'	0°16'	S 10
S 11	5 19 14	19° 2'25"	22°15'	28°11'	28° 9'	8°14'	9°35'	10°59'	7° 7'	15°23'	24° 6'	11°21'	10° 6'	25°16'	0°20'	S 11
M12	5 23 10	20° 3'24"	5 <sup>h</sup> 44'	29° 7'	28°36'	8°15'	9°46'	10°57'	7° 8'	15°24'	24° 9'	11°18'	10° 3'	25°23'	0°24'	M12
T 13	5 27 7	21° 4'23"	19° 3'	0 <sup>h</sup> 7'	29° 1'	8°17'	9°57'	10°55'	7° 9'	15°26'	24°11'	11°13'	10° 0'	25°30'	0°29'	T 13
W14	5 31 3	22° 5'23"	2 <sup>h</sup> 11'	1°11'	29°25'	8°20'	10° 9'	10°53'	7°11'	15°27'	24°13'	11° 5'	9°57'	25°36'	0°33'	W14
T 15	5 35 0	23° 6'23"	15° 8'	2°18'	29°47'	8°23'	10°20'	10°50'	7°12'	15°29'	24°15'	10°54'	9°54'	25°43'	0°37'	T 15
F 16	5 38 57	24° 7'25"	27°53'	3°29'	0 <sup>h</sup> 6'	8°27'	10°31'	10°48'	7°13'	15°30'	24°18'	10°41'	9°51'	25°50'	0°41'	F 16
S 17	5 42 53	25° 8'27"	10 <sup>h</sup> 25'	4°42'	0°24'	8°32'	10°42'	10°45'	7°15'	15°32'	24°20'	10°28'	9°47'	25°56'	0°46'	S 17
S 18	5 46 50	26° 9'30"	22°45'	5°57'	0°40'	8°38'	10°53'	10°42'	7°17'	15°34'	24°22'	10°14'	9°44'	26° 3'	0°50'	S 18
M19	5 50 46	27°10'33"	4 <sup>h</sup> 25'	7°14'	0°54'	8°44'	11° 4'	10°40'	7°18'	15°35'	24°24'	10° 3'	9°41'	26°10'	0°55'	M19
T 20	5 54 43	28°11'37"	16°51'	8°33'	1° 5'	8°51'	11°15'	10°37'	7°20'	15°37'	24°27'	9°53'	9°38'	26°16'	0°59'	T 20
W21	5 58 39	29°12'42"	28°42'	9°54'	1°14'	8°59'	11°26'	10°34'	7°22'	15°39'	24°29'	9°47'	9°35'	26°23'	1° 4'	W21
T 22	6 2 36	0 <sup>h</sup> 13'48"	10 <sup>h</sup> 30'	11°15'	1°21'	9° 7'	11°36'	10°31'	7°23'	15°40'	24°31'	9°43'	9°32'	26°30'	1° 8'	T 22
F 23	6 6 32	1°14'54"	22°20'	12°38'	1°26'	9°16'	11°47'	10°28'	7°25'	15°42'	24°33'	9°41'	9°28'	26°36'	1°13'	F 23
S 24	6 10 29	2°16'01"	4 <sup>h</sup> 17'	14° 2'	1°R28	9°26'	11°57'	10°24'	7°27'	15°44'	24°36'	9°41'	9°25'	26°43'	1°17'	S 24
S 25	6 14 26	3°17'08"	16°27'	15°27'	1°28'	9°36'	12° 8'	10°21'	7°29'	15°46'	24°38'	9°41'	9°22'	26°50'	1°22'	S 25
M26	6 18 22	4°18'17"	28°55'	16°52'	1°25'	9°47'	12°18'	10°18'	7°31'	15°47'	24°40'	9°40'	9°19'	26°56'	1°27'	M26
T 27	6 22 19	5°19'25"	11 <sup>h</sup> 46'	18°19'	1°20'	9°58'	12°28'	10°14'	7°33'	15°49'	24°42'	9°37'	9°16'	27° 3'	1°31'	T 27
W28	6 26 15	6°20'35"	25° 3'	19°46'	1°12'	10°10'	12°39'	10°10'	7°35'	15°51'	24°45'	9°31'	9°12'	27°10'	1°36'	W28
T 29	6 30 12	7°21'45"	8 <sup>h</sup> 48'	21°13'	1° 2'	10°23'	12°49'	10° 7'	7°37'	15°53'	24°47'	9°22'	9° 9'	27°16'	1°41'	T 29
F 30	6 34 8	8°22'55"	23° 0'	22°42'	0°49'	10°36'	12°59'	10° 3'	7°39'	15°55'	24°49'	9°11'	9° 6'	27°23'	1°46'	F 30
S 31	6 38 5	9 <sup>h</sup> 24'06"	7 <sup>h</sup> 35'	24 <sup>h</sup> 10'	0 <sup>h</sup> 34'	10 <sup>h</sup> 50'	13 <sup>h</sup> 08'	9 <sup>h</sup> 59'	7 <sup>h</sup> 41'	15 <sup>h</sup> 57'	24 <sup>h</sup> 51'	8 <sup>h</sup> 59'	9 <sup>h</sup> 3'	27 <sup>h</sup> 03'	1 <sup>h</sup> 50'	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
T 1	21s47	24s 4	3s49	16s52	2n22	24s31	2s57	15n 8	0n45	13s 3	1n 3	17n56	0n33	9s41	0s46	16s26	0s 9	15s47	7n31	4n49	4n13	17n 0	13s44	6n38	
F 2	21 56	27 3	4 31	16 38	2 30	24 20	2 53	15 8	0 47	13 7	1 3	17 56	0 33	9 40	0 46	16 26	0 9	15 48	7 31	4 45	4 11	16 57	13 43	6 38	
S 3	22 5	28 23	4 56	16 28	2 35	24 8	2 48	15 9	0 49	13 11	1 3	17 57	0 33	9 40	0 46	16 25	0 9	15 48	7 30	4 41	4 10	16 54	13 43	6 37	
S 4	22 13	27 48	5 4	16 23	2 39	23 55	2 42	15 9	0 52	13 15	1 3	17 57	0 33	9 40	0 46	16 25	0 9	15 48	7 30	4 37	4 9	16 51	13 43	6 37	
M 5	22 21	25 22	4 52	16 22	2 41	23 43	2 36	15 10	0 54	13 18	1 3	17 58	0 34	9 39	0 46	16 25	0 9	15 48	7 30	4 34	4 8	16 48	13 42	6 37	
T 6	22 29	21 18	4 21	16 26	2 41	23 30	2 30	15 10	0 56	13 22	1 3	17 58	0 34	9 39	0 46	16 24	0 9	15 48	7 30	4 31	4 6	16 45	13 42	6 36	
W 7	22 36	16 1	3 35	16 32	2 40	23 17	2 24	15 11	0 58	13 26	1 4	17 59	0 34	9 39	0 46	16 24	0 9	15 49	7 30	4 30	4 5	16 43	13 41	6 36	
T 8	22 42	9 55	2 35	16 41	2 38	23 4	2 17	15 13	1 0	13 30	1 4	18 0	0 34	9 38	0 46	16 24	0 9	15 49	7 30	4 29	4 4	16 40	13 41	6 36	
F 9	22 48	3 24	1 27	16 53	2 34	22 51	2 10	15 14	1 2	13 33	1 4	18 0	0 34	9 38	0 46	16 23	0 9	15 49	7 30	4 29	4 3	16 37	13 40	6 35	
S 10	22 54	3n11	0 15	17 8	2 30	22 38	2 2	15 16	1 4	13 37	1 4	18 1	0 34	9 37	0 46	16 23	0 9	15 49	7 30	4 30	4 1	16 34	13 40	6 35	
S 11	22 59	9 33	0n58	17 24	2 25	22 24	1 54	15 17	1 6	13 40	1 4	18 2	0 34	9 37	0 46	16 22	0 9	15 50	7 29	4 29	4 0	16 31	13 39	6 35	
M12	23 4 15	24 2	6 17	17 41	2 20	22 10	1 46	15 19	1 7	13 44	1 4	18 2	0 35	9 36	0 46	16 22	0 9	15 50	7 29	4 28	3 59	16 28	13 38	6 34	
T 13	23 8 20	28 3	6 18	0	2 14	21 57	1 38	15 22	1 9	13 47	1 4	18 3	0 35	9 36	0 46	16 22	0 9	15 50	7 29	4 26	3 58	16 25	13 38	6 34	
W14	23 12	24 26	3 55	18 19	2 7	21 43	1 29	15 24	1 11	13 51	1 4	18 4	0 35	9 35	0 46	16 21	0 9	15 50	7 29	4 23	3 56	16 22	13 37	6 34	
T 15	23 16	27 6	4 31	18 39	2 0	21 29	1 19	15 27	1 12	13 54	1 4	18 5	0 35	9 34	0 46	16 21	0 9	15 50	7 29	4 19	3 55	16 20	13 37	6 33	
F 16	23 19	28 18	4 33	19 0	1 53	21 15	1 9	15 30	1 14	13 58	1 4	18 6	0 35	9 34	0 46	16 20	0 9	15 51	7 29	4 14	3 54	16 17	13 36	6 33	
S 17	23 21	28 1	5 1	19 20	1 46	21 2	0 59	15 32	1 16	14 1	1 4	18 6	0 35	9 33	0 46	16 20	0 9	15 51	7 29	4 8	3 53	16 14	13 35	6 33	
S 18	23 23	26 21	4 54	19 41	1 38	20 48	0 49	15 36	1 17	14 4	1 4	18 7	0 36	9 33	0 46	16 19	0 9	15 51	7 29	4 3	3 51	16 11	13 35	6 33	
M19	23 25	23 28	4 33	20 2	1 31	20 34	0 37	15 39	1 18	14 8	1 4	18 8	0 36	9 32	0 46	16 19	0 9	15 51	7 29	3 59	3 50	16 8	13 34	6 32	
T 20	23 26	19 37	4 1	20 22	1 23	20 21	0 26	15 43	1 20	14 11	1 5	18 9	0 36	9 31	0 45	16 18	0 9	15 51	7 29	3 55	3 49	16 5	13 33	6 32	
W21	23 26	15 2	3 19	20 42	1 15	20 7	0 14	15 46	1 21	14 14	1 5	18 10	0 36	9 31	0 45	16 18	0 9	15 51	7 28	3 52	3 48	16 2	13 33	6 32	
T 22	23 26	9 55	2 28	21 1	1 7	19 54	0 2	15 50	1 22	14 17	1 5	18 11	0 36	9 30	0 45	16 17	0 9	15 52	7 28	3 51	3 46	15 59	13 32	6 32	
F 23	23 26	4 26	1 31	21 20	0 59	19 40	0n11	15 54	1 24	14 21	1 5	18 12	0 36	9 29	0 45	16 17	0 9	15 52	7 28	3 50	3 45	15 56	13 31	6 31	
S 24	23 25	1s16	0 29	21 38	0 51	19 27	0 24	15 58	1 25	14 24	1 5	18 13	0 36	9 29	0 45	16 16	0 9	15 52	7 28	3 50	3 44	15 54	13 31	6 31	
S 25	23 24	7 1	0s36	21 56	0 43	19 14	0 37	16 3	1 26	14 27	1 5	18 14	0 37	9 28	0 45	16 16	0 9	15 52	7 28	3 50	3 43	15 51	13 30	6 31	
M26	23 22	12 39	1 40	22 12	0 36	19 1	0 51	16 7	1 27	14 30	1 5	18 15	0 37	9 27	0 45	16 15	0 9	15 52	7 28	3 50	3 41	15 48	13 29	6 31	
T 27	23 20	17 55	2 41	22 28	0 28	18 49	1 5	16 12	1 28	14 33	1 5	18 16	0 37	9 26	0 45	16 15	0 9	15 52	7 28	3 49	3 40	15 45	13 28	6 30	
W28	23 17	22 30	3 35	22 43	0 20	18 36	1 19	16 17	1 29	14 36	1 5	18 17	0 37	9 26	0 45	16 14	0 9	15 53	7 28	3 46	3 39	15 42	13 27	6 30	
T 29	23 14	26 2	4 19	22 57	0 12	18 24	1 34	16 22	1 30	14 39	1 5	18 19	0 37	9 25	0 45	16 14	0 9	15 53	7 28	3 43	3 38	15 39	13 27	6 30	
F 30	23 11	28 3	4 48	23 9	0 5	18 12	1 49	16 27	1 31	14 42	1 6	18 20	0 37	9 24	0 45	16 13	0 9	15 53	7 28	3 39	3 36	15 36	13 26	6 30	
S 31	23s 6	28s13	5s 0	23s21	0s 3	18s 1	2n 4	16n32	1n32	14s44	1n 6	18n21	0n37	9s23	0s45	16s12	0s 9	15s53	7n28	3n34	3n35	15n33	13s25	6n30	