



# Astrodienst Ephemeris Tables for the year 1672

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 1672  
geocentric

JANUARY 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 41 37	10 <sup>30</sup> 43	18 <sup>33</sup>	13 <sup>30</sup> 40	0 <sup>0</sup> 1	20 <sup>11</sup> 58	18 <sup>11</sup> 14	14 <sup>11</sup> 34	11 <sup>11</sup> 0	2 <sup>0</sup> 5	2 <sup>0</sup> R58	17 <sup>0</sup> R39	18 <sup>11</sup> 54	27 <sup>11</sup> 5	13 <sup>11</sup> 18	F 1
S 2	6 45 34	11 <sup>31</sup> 54	1 <sup>0</sup> 1	15 <sup>0</sup> 18	0 <sup>0</sup> 35	21 <sup>0</sup> 37	18 <sup>0</sup> 14	14 <sup>0</sup> 38	11 <sup>0</sup> 2	2 <sup>0</sup> 7	2 <sup>0</sup> 56	17 <sup>0</sup> 29	18 <sup>0</sup> 51	27 <sup>0</sup> 11	13 <sup>0</sup> 20	S 2
S 3	6 49 30	12 <sup>33</sup> 06	13 <sup>38</sup>	16 <sup>5</sup> 57	1 <sup>0</sup> 11	22 <sup>0</sup> 17	18 <sup>0</sup> R14	14 <sup>0</sup> 43	11 <sup>0</sup> 5	2 <sup>0</sup> 9	2 <sup>0</sup> 55	17 <sup>0</sup> 21	18 <sup>0</sup> 48	27 <sup>0</sup> 18	13 <sup>0</sup> 22	S 3
M 4	6 53 27	13 <sup>34</sup> 17	26 <sup>0</sup> 25	18 <sup>0</sup> 36	1 <sup>0</sup> 47	22 <sup>0</sup> 56	18 <sup>0</sup> 14	14 <sup>0</sup> 48	11 <sup>0</sup> 7	2 <sup>0</sup> 11	2 <sup>0</sup> 54	17 <sup>0</sup> 16	18 <sup>0</sup> 45	27 <sup>0</sup> 25	13 <sup>0</sup> 24	M 4
T 5	6 57 23	14 <sup>35</sup> 27	9 <sup>11</sup> 24	20 <sup>0</sup> 16	2 <sup>0</sup> 25	23 <sup>0</sup> 36	18 <sup>0</sup> 14	14 <sup>0</sup> 53	11 <sup>0</sup> 9	2 <sup>0</sup> 13	2 <sup>0</sup> 53	17 <sup>0</sup> 14	18 <sup>0</sup> 41	27 <sup>0</sup> 32	13 <sup>0</sup> 27	T 5
W 6	7 1 20	15 <sup>36</sup> 37	22 <sup>0</sup> 37	21 <sup>0</sup> 55	3 <sup>0</sup> 5	24 <sup>0</sup> 15	18 <sup>0</sup> 13	14 <sup>0</sup> 57	11 <sup>0</sup> 11	2 <sup>0</sup> 16	2 <sup>0</sup> 51	17 <sup>0</sup> D14	18 <sup>0</sup> 38	27 <sup>0</sup> 38	13 <sup>0</sup> 29	W 6
T 7	7 5 16	16 <sup>37</sup> 46	6 <sup>11</sup> 5	23 <sup>0</sup> 36	3 <sup>0</sup> 45	24 <sup>0</sup> 54	18 <sup>0</sup> 12	15 <sup>0</sup> 2	11 <sup>0</sup> 13	2 <sup>0</sup> 18	2 <sup>0</sup> 50	17 <sup>0</sup> 15	18 <sup>0</sup> 35	27 <sup>0</sup> 45	13 <sup>0</sup> 31	T 7
F 8	7 9 13	17 <sup>38</sup> 55	19 <sup>0</sup> 49	25 <sup>0</sup> 16	4 <sup>0</sup> 27	25 <sup>0</sup> 34	18 <sup>0</sup> 11	15 <sup>0</sup> 7	11 <sup>0</sup> 16	2 <sup>0</sup> 20	2 <sup>0</sup> 49	17 <sup>0</sup> R15	18 <sup>0</sup> 32	27 <sup>0</sup> 52	13 <sup>0</sup> 34	F 8
S 9	7 13 9	18 <sup>40</sup> 03	3 <sup>11</sup> 52	26 <sup>0</sup> 57	5 <sup>0</sup> 10	26 <sup>0</sup> 13	18 <sup>0</sup> 10	15 <sup>0</sup> 13	11 <sup>0</sup> 18	2 <sup>0</sup> 22	2 <sup>0</sup> 48	17 <sup>0</sup> 14	18 <sup>0</sup> 29	27 <sup>0</sup> 58	13 <sup>0</sup> 36	S 9
S 10	7 17 6	19 <sup>41</sup> 10	18 <sup>0</sup> 13	28 <sup>0</sup> 38	5 <sup>0</sup> 53	26 <sup>0</sup> 53	18 <sup>0</sup> 9	15 <sup>0</sup> 18	11 <sup>0</sup> 21	2 <sup>0</sup> 25	2 <sup>0</sup> 47	17 <sup>0</sup> 11	18 <sup>0</sup> 26	28 <sup>0</sup> 5	13 <sup>0</sup> 39	S 10
M 11	7 21 3	20 <sup>42</sup> 16	2 <sup>11</sup> 48	0 <sup>0</sup> 19	6 <sup>0</sup> 38	27 <sup>0</sup> 32	18 <sup>0</sup> 8	15 <sup>0</sup> 23	11 <sup>0</sup> 23	2 <sup>0</sup> 27	2 <sup>0</sup> 46	17 <sup>0</sup> 5	18 <sup>0</sup> 22	28 <sup>0</sup> 12	13 <sup>0</sup> 41	M 11
T 12	7 24 59	21 <sup>43</sup> 22	17 <sup>0</sup> 35	2 <sup>0</sup> 0	7 <sup>0</sup> 24	28 <sup>0</sup> 12	18 <sup>0</sup> 6	15 <sup>0</sup> 28	11 <sup>0</sup> 25	2 <sup>0</sup> 29	2 <sup>0</sup> 44	16 <sup>0</sup> 57	18 <sup>0</sup> 19	28 <sup>0</sup> 19	13 <sup>0</sup> 44	T 12
W 13	7 28 56	22 <sup>44</sup> 27	2 <sup>11</sup> 48	3 <sup>0</sup> 42	8 <sup>0</sup> 11	28 <sup>0</sup> 51	18 <sup>0</sup> 4	15 <sup>0</sup> 34	11 <sup>0</sup> 28	2 <sup>0</sup> 31	2 <sup>0</sup> 43	16 <sup>0</sup> 49	18 <sup>0</sup> 16	28 <sup>0</sup> 25	13 <sup>0</sup> 47	W 13
T 14	7 32 52	23 <sup>45</sup> 32	17 <sup>0</sup> 8	5 <sup>0</sup> 23	8 <sup>0</sup> 59	29 <sup>0</sup> 31	18 <sup>0</sup> 2	15 <sup>0</sup> 39	11 <sup>0</sup> 31	2 <sup>0</sup> 34	2 <sup>0</sup> 42	16 <sup>0</sup> 40	18 <sup>0</sup> 13	28 <sup>0</sup> 32	13 <sup>0</sup> 49	T 14
F 15	7 36 49	24 <sup>46</sup> 36	1 <sup>11</sup> 40	7 <sup>0</sup> 3	9 <sup>0</sup> 47	0 <sup>0</sup> 10	18 <sup>0</sup> 0	15 <sup>0</sup> 45	11 <sup>0</sup> 33	2 <sup>0</sup> 36	2 <sup>0</sup> 41	16 <sup>0</sup> 32	18 <sup>0</sup> 10	28 <sup>0</sup> 39	13 <sup>0</sup> 52	F 15
S 16	7 40 45	25 <sup>47</sup> 39	15 <sup>0</sup> 51	8 <sup>0</sup> 44	10 <sup>0</sup> 37	0 <sup>0</sup> 50	17 <sup>0</sup> 57	15 <sup>0</sup> 50	11 <sup>0</sup> 36	2 <sup>0</sup> 38	2 <sup>0</sup> 40	16 <sup>0</sup> 26	18 <sup>0</sup> 7	28 <sup>0</sup> 45	13 <sup>0</sup> 55	S 16
S 17	7 44 42	26 <sup>48</sup> 41	29 <sup>0</sup> 38	10 <sup>0</sup> 24	11 <sup>0</sup> 27	1 <sup>0</sup> 29	17 <sup>0</sup> 55	15 <sup>0</sup> 56	11 <sup>0</sup> 38	2 <sup>0</sup> 40	2 <sup>0</sup> 39	16 <sup>0</sup> 22	18 <sup>0</sup> 3	28 <sup>0</sup> 52	13 <sup>0</sup> 58	S 17
M 18	7 48 39	27 <sup>49</sup> 43	12 <sup>11</sup> 59	12 <sup>0</sup> 2	12 <sup>0</sup> 18	2 <sup>0</sup> 9	17 <sup>0</sup> 52	16 <sup>0</sup> 2	11 <sup>0</sup> 41	2 <sup>0</sup> 43	2 <sup>0</sup> 38	16 <sup>0</sup> D21	18 <sup>0</sup> 0	28 <sup>0</sup> 59	14 <sup>0</sup> 0	M 18
T 19	7 52 35	28 <sup>50</sup> 45	25 <sup>0</sup> 54	13 <sup>0</sup> 40	13 <sup>0</sup> 10	2 <sup>0</sup> 48	17 <sup>0</sup> 49	16 <sup>0</sup> 7	11 <sup>0</sup> 44	2 <sup>0</sup> 45	2 <sup>0</sup> 37	16 <sup>0</sup> 21	17 <sup>0</sup> 57	29 <sup>0</sup> 6	14 <sup>0</sup> 3	T 19
W 20	7 56 32	29 <sup>51</sup> 46	8 <sup>11</sup> 28	15 <sup>0</sup> 16	14 <sup>0</sup> 2	3 <sup>0</sup> 28	17 <sup>0</sup> 46	16 <sup>0</sup> 13	11 <sup>0</sup> 46	2 <sup>0</sup> 47	2 <sup>0</sup> 36	16 <sup>0</sup> 23	17 <sup>0</sup> 54	29 <sup>0</sup> 12	14 <sup>0</sup> 6	W 20
T 21	8 0 28	0 <sup>0</sup> 52'46	20 <sup>0</sup> 43	16 <sup>0</sup> 51	14 <sup>0</sup> 55	4 <sup>0</sup> 7	17 <sup>0</sup> 42	16 <sup>0</sup> 19	11 <sup>0</sup> 49	2 <sup>0</sup> 49	2 <sup>0</sup> 34	16 <sup>0</sup> 24	17 <sup>0</sup> 51	29 <sup>0</sup> 19	14 <sup>0</sup> 9	T 21
F 22	8 4 25	1 <sup>0</sup> 53'45	2 <sup>11</sup> 45	18 <sup>0</sup> 23	15 <sup>0</sup> 49	4 <sup>0</sup> 47	17 <sup>0</sup> 39	16 <sup>0</sup> 25	11 <sup>0</sup> 52	2 <sup>0</sup> 52	2 <sup>0</sup> 33	16 <sup>0</sup> R24	17 <sup>0</sup> 47	29 <sup>0</sup> 26	14 <sup>0</sup> 12	F 22
S 23	8 8 21	2 <sup>0</sup> 54'45	14 <sup>0</sup> 39	19 <sup>0</sup> 53	16 <sup>0</sup> 43	5 <sup>0</sup> 27	17 <sup>0</sup> 35	16 <sup>0</sup> 31	11 <sup>0</sup> 55	2 <sup>0</sup> 54	2 <sup>0</sup> 32	16 <sup>0</sup> 24	17 <sup>0</sup> 44	29 <sup>0</sup> 32	14 <sup>0</sup> 15	S 23
S 24	8 12 18	3 <sup>0</sup> 55'43	26 <sup>0</sup> 29	21 <sup>0</sup> 19	17 <sup>0</sup> 39	6 <sup>0</sup> 6	17 <sup>0</sup> 31	16 <sup>0</sup> 37	11 <sup>0</sup> 58	2 <sup>0</sup> 56	2 <sup>0</sup> 31	16 <sup>0</sup> 21	17 <sup>0</sup> 41	29 <sup>0</sup> 39	14 <sup>0</sup> 18	S 24
M 25	8 16 14	4 <sup>0</sup> 56'41	8 <sup>11</sup> 22	22 <sup>0</sup> 41	18 <sup>0</sup> 34	6 <sup>0</sup> 46	17 <sup>0</sup> 27	16 <sup>0</sup> 43	12 <sup>0</sup> 1	2 <sup>0</sup> 59	2 <sup>0</sup> 30	16 <sup>0</sup> 16	17 <sup>0</sup> 38	29 <sup>0</sup> 46	14 <sup>0</sup> 21	M 25
T 26	8 20 11	5 <sup>0</sup> 57'38	20 <sup>0</sup> 20	23 <sup>0</sup> 59	19 <sup>0</sup> 30	7 <sup>0</sup> 25	17 <sup>0</sup> 23	16 <sup>0</sup> 50	12 <sup>0</sup> 4	3 <sup>0</sup> 1	2 <sup>0</sup> 29	16 <sup>0</sup> 10	17 <sup>0</sup> 35	29 <sup>0</sup> 53	14 <sup>0</sup> 24	T 26
W 27	8 24 8	6 <sup>0</sup> 58'34	2 <sup>11</sup> 27	25 <sup>0</sup> 12	20 <sup>0</sup> 27	8 <sup>0</sup> 5	17 <sup>0</sup> 18	16 <sup>0</sup> 56	12 <sup>0</sup> 6	3 <sup>0</sup> 3	2 <sup>0</sup> 28	16 <sup>0</sup> 3	17 <sup>0</sup> 32	29 <sup>0</sup> 59	14 <sup>0</sup> 28	W 27
T 28	8 28 4	7 <sup>0</sup> 59'29	14 <sup>0</sup> 45	26 <sup>0</sup> 18	21 <sup>0</sup> 25	8 <sup>0</sup> 45	17 <sup>0</sup> 14	17 <sup>0</sup> 2	12 <sup>0</sup> 9	3 <sup>0</sup> 5	2 <sup>0</sup> 27	15 <sup>0</sup> 55	17 <sup>0</sup> 28	0 <sup>0</sup> 13	14 <sup>0</sup> 31	T 28
F 29	8 32 1	9 <sup>0</sup> 0'24	27 <sup>0</sup> 15	27 <sup>0</sup> 18	22 <sup>0</sup> 22	9 <sup>0</sup> 24	17 <sup>0</sup> 9	17 <sup>0</sup> 8	12 <sup>0</sup> 12	3 <sup>0</sup> 8	2 <sup>0</sup> 26	15 <sup>0</sup> 48	17 <sup>0</sup> 25	0 <sup>0</sup> 13	14 <sup>0</sup> 34	F 29
S 30	8 35 57	10 <sup>0</sup> 1'17	10 <sup>0</sup> 0	28 <sup>0</sup> 10	23 <sup>0</sup> 21	10 <sup>0</sup> 4	17 <sup>0</sup> 4	17 <sup>0</sup> 15	12 <sup>0</sup> 15	3 <sup>0</sup> 10	2 <sup>0</sup> 25	15 <sup>0</sup> 43	17 <sup>0</sup> 22	0 <sup>0</sup> 19	14 <sup>0</sup> 37	S 30
S 31	8 39 54	11 <sup>0</sup> 2'09	22 <sup>0</sup> 57	28 <sup>0</sup> 54	24 <sup>0</sup> 19	10 <sup>0</sup> 43	16 <sup>0</sup> 59	17 <sup>0</sup> 21	12 <sup>0</sup> 18	3 <sup>0</sup> 12	2 <sup>0</sup> 25	15 <sup>0</sup> 39	17 <sup>0</sup> 19	0 <sup>0</sup> 26	14 <sup>0</sup> 41	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	23s 4	26s28	4s19	24s46	2s 0	15s55	4n23	17s28	0n35	5n50	1n16	7s59	2s 4	8s 9	0s45	19s34	0n10	19n28	4s 0	4s53	4s24	24s11	2s28	4n27			
S 2	22 59	23 32	3 40	24 37	2 2	16 0	4 25	17 39	0 35	5 50	1 16	7 58	2 4	8 8	0 45	19 34	0 10	19 28	3 59	4 57	4 25	24 13	2 27	4 27			
S 3	22 53	19 27	2 49	24 27	2 4	16 5	4 26	17 49	0 34	5 50	1 16	7 56	2 4	8 7	0 45	19 33	0 10	19 28	3 59	5 0	4 26	24 15	2 27	4 27			
M 4	22 47	14 26	1 48	24 15	2 5	16 11	4 28	18 0	0 34	5 50	1 17	7 54	2 3	8 6	0 45	19 33	0 10	19 28	3 59	5 2	4 28	24 17	2 26	4 26			
T 5	22 41	8 42	0 42	24 2	2 6	16 17	4 29	18 10	0 33	5 51	1 17	7 52	2 3	8 6	0 45	19 33	0 10	19 28	3 59	5 3	4 29	24 19	2 25	4 26			
W 6	22 34	2 30	0n29	23 47	2 7	16 24	4 30	18 21	0 32	5 51	1 17	7 50	2 3	8 5	0 45	19 32	0 10	19 28	3 59	5 3	4 30	24 21	2 25	4 26			
T 7	22 27	3n56	1 39	23 30	2 7	16 31	4 30	18 31	0 32	5 52	1 18	7 48	2 3	8 4	0 45	19 32	0 10	19 28	3 59	5 3	4 31	24 23	2 24	4 25			
F 8	22 19	10 18	2 45	23 12	2 6	16 38	4 31	18 41	0 31	5 52	1 18	7 46	2 3	8 3	0 45	19 31	0 10	19 28	3 59	5 3	4 33	24 25	2 23	4 25			
S 9	22 11	16 19	3 42	22 52	2 6	16 46	4 31	18 51	0 31	5 53	1 18	7 43	2 3	8 2	0 45	19 31	0 10	19 28	3 59	5 3	4 34	24 26	2 23	4 25			
S 10	22 2	21 34	4 27	22 30	2 4	16 53	4 31	19 1	0 30	5 54	1 18	7 41	2 3	8 1	0 45	19 30	0 10	19 29	3 59	5 4	4 35	24 28	2 22	4 25			
M 11	21 53	25 35	4 56	22 7	2 3	17 1	4 30	19 10	0 29	5 55	1 19	7 39	2 2	8 0	0 45	19 30	0 10	19 29	3 59	5 7	4 36	24 30	2 21	4 24			
T 12	21 44	27 58	5 5	21 42	2 0	17 9	4 30	19 20	0 29	5 56	1 19	7 37	2 2	7 59	0 45	19 29	0 10	19 29	3 59	5 10	4 38	24 32	2 21	4 24			
W 13	21 34	28 22	4 54	21 16	1 57	17 17	4 29	19 29	0 28	5 57	1 19	7 35	2 2	7 58	0 45	19 29	0 10	19 29	3 59	5 13	4 39	24 34	2 20	4 24			
T 14	21 23	26 44	4 23	20 48	1 54	17 26	4 28	19 38	0 28	5 58	1 20	7 33	2 2	7 57	0 45	19 28	0 10	19 29	3 58	5 16	4 40	24 36	2 19	4 24			
F 15	21 13	23 20	3 36	20 19	1 50	17 34	4 27	19 47	0 27	5 59	1 20	7 30	2 2	7 56	0 45	19 28	0 10	19 29	3 58	5 20	4 41	24 37	2 18	4 23			
S 16	21 2	18 36	2 36	19 48	1 45	17 42	4 25	19 56	0 26	6 0	1 20	7 28	2 2	7 55	0 45	19 27	0 10	19 29	3 58	5 22	4 43	24 39	2 17	4 23			
S 17	20 50	13 0	1 29	19 16	1 39	17 51	4 24	20 5	0 26	6 1	1 20	7 26	2 2	7 54	0 45	19 27	0 10	19 29	3 58	5 23	4 44	24 41	2 17	4 23			
M 18	20 38	6 59	0 18	18 42	1 33	17 59	4 22	20 13	0 25	6 3	1 21	7 23	2 2	7 53	0 45	19 26	0 10	19 29	3 58	5 24	4 45	24 43	2 16	4 23			
T 19	20 26	0 51	0s51	18 8	1 26	18 7	4 20	20 22	0 24	6 4	1 21	7 21	2 2	7 52	0 45	19 26	0 10	19 30	3 58	5 24	4 46	24 45	2 15	4 22			
W 20	20 13	5s 9	1 56	17 32	1 18	18 16	4 18	20 30	0 24	6 5	1 21	7 19	2 1	7 51	0 45	19 25	0 10	19 30	3 58	5 23	4 48	24 46	2 14	4 22			
T 21	20 0	10 48	2 55	16 55	1 10	18 24	4 15	20 38	0 23	6 7	1 21	7 16	2 1	7 50	0 45	19 25	0 10	19 30	3 58	5 23	4 49	24 48	2 13	4 22			
F 22	19 47	15 57	3 44	16 18	1 0	18 32	4 13	20 46	0 22	6 9	1 22	7 14	2 1	7 49	0 45	19 24	0 10	19 30	3 58	5 22	4 50	24 50	2 12	4 22			
S 23	19 33	20 27	4 23	15 40	0 50	18 40	4 10	20 54	0 22	6 10	1 22	7 11	2 1	7 48	0 45	19 23	0 10	19 30	3 58	5 23	4 51	24 52	2 11	4 22			
S 24	19 18	24 7	4 51	15 2	0 39	18 48	4 8	21 1	0 21	6 12	1 22	7 9	2 1	7 46	0 45	19 23	0 10	19 30	3 57	5 24	4 53	24 53	2 10	4 21			
M 25	19 4	26 47	5 6	14 24	0 27	18 55	4 5	21 9	0 20	6 14	1 22	7 6	2 1	7 45	0 45	19 22	0 10	19 30	3 57	5 26	4 54	24 55	2 9	4 21			
T 26	18 49	28 15	5 8	13 47	0 14	19 3	4 2	21 16	0 20	6 16	1 23	7 4	2 1	7 44	0 45	19 22	0 10	19 30	3 57	5 28	4 55	24 57	2 8	4 21			
W 27	18 34	28 24	4 57	13 9	0 1	19 10	3 59	21 23	0 19	6 18	1 23	7 1	2 1	7 43	0 45	19 21	0 10	19 31	3 57	5 31	4 56	24 59	2 7	4 21			
T 28	18 18	27 10	4 31	12 33	0n14	19 17	3 56	21 30	0 18	6 20	1 23	6 59	2 1	7 42	0 44	19 21	0 10	19 31	3 57	5 34	4 58	25 0	2 6	4 21			
F 29	18 2	24 33	3 53	11 59	0 29	19 24	3 52	21 37	0 17	6 22	1 23	6 56	2 1	7 41	0 44	19 20	0 10	19 31	3 57	5 37	4 59	25 2	2 5	4 20			
S 30	17 46	20 41	3 2	11 26	0 45	19 30	3 49	21 44	0 17	6 24	1 24	6 54	2 0	7 40	0 44	19 20	0 10	19 31	3 57	5 39	5 0	25 4	2 4	4 20			
S 31	17s30	15s47	2s 0	10s56	1n 1	19s36	3n46	21s50	0n16	6n26	1n24	6s51	2s 0	7s38	0s44	19s19	0n10	19n31	3s57	5s40	5s 1	25s 6	2s 3	4n20			

ASTRODIENST EPHEMERIS for the year 1672  
geocentric

FEBRUARY 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 43 50	12♈ 3'00	6♋ 6	29♈29	25♈19	11♈23	16°R54	17♋28	12♋22	3♈14	2°R24	15°R37	17♋16	0♈33	14♋44	M 1
T 2	8 47 47	13° 3'49	19°28	29°54	26°18	12° 3	16♎49	17°34	12°25	3°17	2♈23	15°D36	17°13	0°40	14°47	T 2
W 3	8 51 43	14° 4'37	3♊ 1	0♋ 8	27°18	12°42	16°43	17°41	12°28	3°19	2°22	15♋37	17° 9	0°46	14°50	W 3
T 4	8 55 40	15° 5'23	16°44	0°R12	28°19	13°22	16°37	17°48	12°31	3°21	2°21	15°39	17° 6	0°53	14°54	T 4
F 5	8 59 37	16° 6'08	0♊37	0° 5	29°19	14° 2	16°32	17°54	12°34	3°23	2°20	15°40	17° 3	1° 0	14°57	F 5
S 6	9 3 33	17° 6'52	14°39	29♈48	0♊20	14°41	16°26	18° 1	12°37	3°26	2°19	15°R41	17° 0	1° 6	15° 1	S 6
S 7	9 7 30	18° 7'33	28°50	29°20	1°22	15°21	16°20	18° 8	12°40	3°28	2°18	15°41	16°57	1°13	15° 4	S 7
M 8	9 11 26	19° 8'13	13♊ 7	28°42	2°24	16° 0	16°14	18°14	12°44	3°30	2°18	15°39	16°53	1°20	15° 8	M 8
T 9	9 15 23	20° 8'52	27°28	27°55	3°26	16°40	16° 7	18°21	12°47	3°32	2°17	15°36	16°50	1°27	15°11	T 9
W10	9 19 19	21° 9'28	11♊48	27° 1	4°28	17°20	16° 1	18°28	12°50	3°35	2°16	15°33	16°47	1°33	15°15	W10
T 11	9 23 16	22°10'03	26° 2	26° 1	5°31	17°59	15°54	18°35	12°53	3°37	2°15	15°29	16°44	1°40	15°18	T 11
F 12	9 27 12	23°10'36	10♊ 7	24°56	6°34	18°39	15°48	18°42	12°57	3°39	2°15	15°26	16°41	1°47	15°22	F 12
S 13	9 31 9	24°11'08	23°57	23°49	7°38	19°18	15°41	18°49	13° 0	3°41	2°14	15°24	16°38	1°54	15°25	S 13
S 14	9 35 6	25°11'38	7♎30	22°41	8°42	19°58	15°34	18°56	13° 3	3°43	2°13	15°22	16°34	2° 0	15°29	S 14
M15	9 39 2	26°12'06	20°43	21°33	9°45	20°38	15°27	19° 3	13° 6	3°45	2°13	15°D22	16°31	2° 7	15°32	M15
T 16	9 42 59	27°12'33	3♊35	20°29	10°50	21°17	15°20	19°10	13°10	3°48	2°12	15°23	16°28	2°14	15°36	T 16
W17	9 46 55	28°12'58	16° 9	19°28	11°54	21°57	15°13	19°17	13°13	3°50	2°11	15°24	16°25	2°20	15°40	W17
T 18	9 50 52	29°13'22	28°27	18°32	12°59	22°37	15° 6	19°24	13°17	3°52	2°11	15°26	16°22	2°27	15°43	T 18
F 19	9 54 48	0♋13'45	10♎32	17°42	14° 4	23°16	14°58	19°31	13°20	3°54	2°10	15°27	16°18	2°34	15°47	F 19
S 20	9 58 45	1°14'06	22°28	16°59	15° 9	23°56	14°51	19°39	13°23	3°56	2°10	15°28	16°15	2°41	15°51	S 20
S 21	10 2 41	2°14'26	4♊21	16°23	16°15	24°36	14°43	19°46	13°27	3°58	2° 9	15°R28	16°12	2°47	15°54	S 21
M22	10 6 38	3°14'45	16°15	15°54	17°20	25°15	14°36	19°53	13°30	4° 0	2° 9	15°28	16° 9	2°54	15°58	M22
T 23	10 10 35	4°15'01	28°14	15°32	18°26	25°55	14°28	20° 0	13°33	4° 2	2° 8	15°27	16° 6	3° 1	16° 2	T 23
W24	10 14 31	5°15'17	10♊23	15°17	19°32	26°35	14°21	20° 8	13°37	4° 4	2° 8	15°26	16° 3	3° 7	16° 5	W24
T 25	10 18 28	6°15'31	22°45	15°10	20°38	27°14	14°13	20°15	13°40	4° 6	2° 7	15°24	15°59	3°14	16° 9	T 25
F 26	10 22 24	7°15'43	5♈24	15°D 9	21°45	27°54	14° 5	20°22	13°44	4° 8	2° 7	15°23	15°56	3°21	16°13	F 26
S 27	10 26 21	8°15'53	18°21	15°14	22°51	28°33	13°58	20°30	13°47	4°10	2° 6	15°22	15°53	3°28	16°17	S 27
S 28	10 30 17	9°16'02	1♋36	15°26	23°58	29°13	13°50	20°37	13°51	4°12	2° 6	15°22	15°50	3°34	16°20	S 28
M29	10 34 14	10♋16'09	15♋ 8	15♈43	25♊ 5	29♈53	13♎42	20♋44	13♋54	4♈14	2♈ 6	15°D21	15♋47	3♈41	16♋24	M29

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
M 1	17s13	10s 5	0s52	10s28	1n17	19s42	3n42	21s56	0n15	6n28	1n24	6s48	2s 0	7s37	0s44	19s19	0n10	19n31	3s57	5s41	5s 2	25s 7	2s 2	4n20					
T 2	16 56	3 51	0n21	10 3	1 34	19 48	3 38	22 2	0 14	6 31	1 24	6 46	2 0	7 36	0 44	19 18	0 9	19 31	3 56	5 41	5 4	25 9	2 1	4 20					
W 3	16 38	2n38	1 34	9 42	1 51	19 53	3 35	22 8	0 14	6 33	1 25	6 43	2 0	7 35	0 44	19 18	0 9	19 31	3 56	5 41	5 5	25 11	2 0	4 19					
T 4	16 20	9 5	2 42	9 25	2 8	19 58	3 31	22 14	0 13	6 35	1 25	6 41	2 0	7 34	0 44	19 17	0 9	19 32	3 56	5 40	5 6	25 12	1 58	4 19					
F 5	16 2	15 10	3 42	9 13	2 24	20 2	3 27	22 20	0 12	6 38	1 25	6 38	2 0	7 32	0 44	19 17	0 9	19 32	3 56	5 40	5 7	25 14	1 57	4 19					
S 6	15 44	20 32	4 29	9 4	2 40	20 6	3 23	22 25	0 11	6 40	1 25	6 35	2 0	7 31	0 44	19 16	0 9	19 32	3 56	5 39	5 9	25 16	1 56	4 19					
S 7	15 26	24 49	5 0	9 1	2 54	20 10	3 19	22 30	0 10	6 43	1 25	6 32	2 0	7 30	0 44	19 16	0 9	19 32	3 56	5 39	5 10	25 17	1 55	4 19					
M 8	15 7	27 35	5 13	9 1	3 7	20 13	3 15	22 35	0 10	6 46	1 26	6 30	2 0	7 29	0 44	19 15	0 9	19 32	3 56	5 40	5 11	25 19	1 54	4 19					
T 9	14 48	28 34	5 7	9 7	3 19	20 16	3 10	22 40	0 9	6 48	1 26	6 27	2 0	7 27	0 44	19 15	0 9	19 32	3 56	5 41	5 12	25 21	1 53	4 18					
W10	14 28	27 38	4 41	9 16	3 28	20 19	3 6	22 45	0 8	6 51	1 26	6 24	2 0	7 26	0 44	19 14	0 9	19 32	3 56	5 43	5 14	25 22	1 51	4 18					
T 11	14 9	24 53	3 59	9 29	3 36	20 21	3 2	22 49	0 7	6 54	1 26	6 22	2 0	7 25	0 44	19 14	0 9	19 33	3 55	5 44	5 15	25 24	1 50	4 18					
F 12	13 49	20 40	3 2	9 46	3 41	20 22	2 57	22 54	0 6	6 56	1 26	6 19	2 0	7 24	0 44	19 13	0 9	19 33	3 55	5 45	5 16	25 25	1 49	4 18					
S 13	13 29	15 22	1 55	10 5	3 44	20 23	2 53	22 58	0 5	6 59	1 27	6 16	2 0	7 22	0 44	19 13	0 9	19 33	3 55	5 46	5 17	25 27	1 48	4 18					
S 14	13 9	9 27	0 43	10 27	3 44	20 24	2 49	23 2	0 4	7 2	1 27	6 13	2 0	7 21	0 44	19 12	0 9	19 33	3 55	5 47	5 19	25 29	1 46	4 18					
M15	12 48	3 14	0s29	10 50	3 43	20 24	2 44	23 6	0 4	7 5	1 27	6 10	2 0	7 20	0 44	19 12	0 9	19 33	3 55	5 47	5 20	25 30	1 45	4 18					
T 16	12 28	2s56	1 39	11 14	3 39	20 24	2 39	23 9	0 3	7 8	1 27	6 8	1 59	7 18	0 44	19 11	0 9	19 33	3 55	5 46	5 21	25 32	1 44	4 17					
W17	12 7	8 51	2 42	11 38	3 33	20 23	2 35	23 13	0 2	7 11	1 27	6 5	1 59	7 17	0 44	19 11	0 9	19 33	3 55	5 46	5 22	25 33	1 43	4 17					
T 18	11 46	14 18	3 36	12 2	3 25	20 21	2 30	23 16	0 1	7 14	1 27	6 2	1 59	7 16	0 44	19 10	0 9	19 34	3 54	5 45	5 24	25 35	1 41	4 17					
F 19	11 25	19 7	4 19	12 26	3 16	20 20	2 26	23 19	0s 0	7 17	1 27	5 59	1 59	7 15	0 44	19 10	0 9	19 34	3 54	5 45	5 25	25 37	1 40	4 17					
S 20	11 3	23 7	4 51	12 49	3 6	20 17	2 21	23 22	0 1	7 20	1 28	5 56	1 59	7 13	0 44	19 9	0 9	19 34	3 54	5 44	5 26	25 38	1 39	4 17					
S 21	10 42	26 8	5 10	13 11	2 55	20 14	2 16	23 24	0 2	7 23	1 28	5 53	1 59	7 12	0 44	19 9	0 9	19 34	3 54	5 44	5 27	25 40	1 37	4 17					
M22	10 20	28 1	5 16	13 31	2 42	20 11	2 12	23 27	0 3	7 26	1 28	5 50	1 59	7 11	0 44	19 8	0 9	19 34	3 54	5 44	5 28	25 41	1 36	4 17					
T 23	9 58	28 37	5 8	13 50	2 30	20 7	2 7	23 29	0 4	7 29	1 28	5 48	1 59	7 9	0 44	19 8	0 9	19 34	3 54	5 45	5 30	25 43	1 35	4 16					
W24	9 36	27 51	4 47	14 7	2 16	20 3	2 2	23 31	0 5	7 32	1 28	5 45	1 59	7 8	0 44	19 7	0 9	19 34	3 54	5 45	5 31	25 44	1 33	4 16					
T 25	9 14	25 42	4 12	14 22	2 3	19 58	1 58	23 33	0 6	7 35	1 28	5 42	1 59	7 7	0 44	19 7	0 9	19 35	3 54	5 46	5 32	25 46	1 32	4 16					
F 26	8 52	22 15	3 24	14 35	1 49	19 52	1 53	23 35	0 7	7 38	1 28	5 39	1 59	7 5	0 44	19 7	0 9	19 35	3 53	5 46	5 33	25 47	1 31	4 16					
S 27	8 29	17 39	2 24	14 46	1 36	19 46	1 48	23 37	0 8	7 41	1 28	5 36	1 59	7 4	0 44	19 6	0 9	19 35	3 53	5 47	5 35	25 49	1 29	4 16					
S 28	8 7	12 6	1 16	14 56	1 22	19 39	1 43	23 38	0 9	7 44	1 28	5 33	1 59	7 3	0 44	19 6	0 9	19 35	3 53	5 47	5 36	25 50	1 28	4 16					
M29	7s44	5s53	0s 1	15s 4	1n 9	19s32	1n39	23s39	0s10	7n47	1n29	5s30	1s59	7s 1	0s44	19s 5	0n 9	19n35	3s53	5s47	5s37	25s52	1s27	4n16					

Julian Day Number = 2331776.5, Delta T = 28.42 sec  
Ecliptic obliquity = 23°29'04, Nutation = 0°00'05, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°09'47, Lahiri = 19°16'48Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1672  
geocentric

MARCH 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 38 10	11 <sup>11</sup> 16'14	28 <sup>11</sup> 57	16 <sup>11</sup> 5	26 <sup>11</sup> 12	0 <sup>11</sup> 32	13 <sup>11</sup> 34	20 <sup>11</sup> 52	13 <sup>11</sup> 57	4 <sup>11</sup> 16	2 <sup>11</sup> R 5	15 <sup>11</sup> 22	15 <sup>11</sup> 44	3 <sup>11</sup> 48	16 <sup>11</sup> 28	T 1
W 2	10 42 7	12 <sup>11</sup> 16'16	12 <sup>11</sup> 57	16 <sup>11</sup> 33	27 <sup>11</sup> 20	1 <sup>11</sup> 12	13 <sup>11</sup> 26	20 <sup>11</sup> 59	14 <sup>11</sup> 1	4 <sup>11</sup> 18	2 <sup>11</sup> 5	15 <sup>11</sup> 22	15 <sup>11</sup> 40	3 <sup>11</sup> 54	16 <sup>11</sup> 32	W 2
T 3	10 46 4	13 <sup>11</sup> 16'17	27 <sup>11</sup> 7	17 <sup>11</sup> 5	28 <sup>11</sup> 27	1 <sup>11</sup> 51	13 <sup>11</sup> 19	21 <sup>11</sup> 6	14 <sup>11</sup> 4	4 <sup>11</sup> 20	2 <sup>11</sup> 5	15 <sup>11</sup> 22	15 <sup>11</sup> 37	4 <sup>11</sup> 1	16 <sup>11</sup> 35	T 3
F 4	10 50 0	14 <sup>11</sup> 16'16	11 <sup>11</sup> 22	17 <sup>11</sup> 42	29 <sup>11</sup> 35	2 <sup>11</sup> 31	13 <sup>11</sup> 11	21 <sup>11</sup> 14	14 <sup>11</sup> 8	4 <sup>11</sup> 22	2 <sup>11</sup> 4	15 <sup>11</sup> 22	15 <sup>11</sup> 34	4 <sup>11</sup> 8	16 <sup>11</sup> 39	F 4
S 5	10 53 57	15 <sup>11</sup> 16'13	25 <sup>11</sup> 39	18 <sup>11</sup> 23	0 <sup>11</sup> 42	3 <sup>11</sup> 11	13 <sup>11</sup> 3	21 <sup>11</sup> 21	14 <sup>11</sup> 11	4 <sup>11</sup> 23	2 <sup>11</sup> 4	15 <sup>11</sup> R22	15 <sup>11</sup> 31	4 <sup>11</sup> 15	16 <sup>11</sup> 43	S 5
S 6	10 57 53	16 <sup>11</sup> 16'07	9 <sup>11</sup> 54	19 <sup>11</sup> 7	1 <sup>11</sup> 50	3 <sup>11</sup> 50	12 <sup>11</sup> 55	21 <sup>11</sup> 29	14 <sup>11</sup> 15	4 <sup>11</sup> 25	2 <sup>11</sup> 4	15 <sup>11</sup> D22	15 <sup>11</sup> 28	4 <sup>11</sup> 21	16 <sup>11</sup> 47	S 6
M 7	11 1 50	17 <sup>11</sup> 15'59	24 <sup>11</sup> 5	19 <sup>11</sup> 56	2 <sup>11</sup> 58	4 <sup>11</sup> 30	12 <sup>11</sup> 47	21 <sup>11</sup> 36	14 <sup>11</sup> 18	4 <sup>11</sup> 27	2 <sup>11</sup> 4	15 <sup>11</sup> 22	15 <sup>11</sup> 24	4 <sup>11</sup> 28	16 <sup>11</sup> 51	M 7
T 8	11 5 46	18 <sup>11</sup> 15'49	8 <sup>11</sup> 51	20 <sup>11</sup> 47	4 <sup>11</sup> 6	5 <sup>11</sup> 9	12 <sup>11</sup> 39	21 <sup>11</sup> 43	14 <sup>11</sup> 21	4 <sup>11</sup> 29	2 <sup>11</sup> 3	15 <sup>11</sup> 22	15 <sup>11</sup> 21	4 <sup>11</sup> 35	16 <sup>11</sup> 54	T 8
W 9	11 9 43	19 <sup>11</sup> 15'37	22 <sup>11</sup> 6	21 <sup>11</sup> 42	5 <sup>11</sup> 14	5 <sup>11</sup> 49	12 <sup>11</sup> 32	21 <sup>11</sup> 51	14 <sup>11</sup> 25	4 <sup>11</sup> 31	2 <sup>11</sup> 3	15 <sup>11</sup> 23	15 <sup>11</sup> 18	4 <sup>11</sup> 42	16 <sup>11</sup> 58	W 9
T 10	11 13 39	20 <sup>11</sup> 15'22	5 <sup>11</sup> 53	22 <sup>11</sup> 39	6 <sup>11</sup> 23	6 <sup>11</sup> 28	12 <sup>11</sup> 24	21 <sup>11</sup> 58	14 <sup>11</sup> 28	4 <sup>11</sup> 32	2 <sup>11</sup> 3	15 <sup>11</sup> 23	15 <sup>11</sup> 15	4 <sup>11</sup> 48	17 <sup>11</sup> 2	T 10
F 11	11 17 36	21 <sup>11</sup> 15'05	19 <sup>11</sup> 28	23 <sup>11</sup> 39	7 <sup>11</sup> 31	7 <sup>11</sup> 8	12 <sup>11</sup> 16	22 <sup>11</sup> 6	14 <sup>11</sup> 32	4 <sup>11</sup> 34	2 <sup>11</sup> 3	15 <sup>11</sup> 24	15 <sup>11</sup> 12	4 <sup>11</sup> 55	17 <sup>11</sup> 6	F 11
S 12	11 21 33	22 <sup>11</sup> 14'46	2 <sup>11</sup> 51	24 <sup>11</sup> 42	8 <sup>11</sup> 40	7 <sup>11</sup> 47	12 <sup>11</sup> 9	22 <sup>11</sup> 13	14 <sup>11</sup> 35	4 <sup>11</sup> 36	2 <sup>11</sup> 3	15 <sup>11</sup> 24	15 <sup>11</sup> 9	5 <sup>11</sup> 2	17 <sup>11</sup> 9	S 12
S 13	11 25 29	23 <sup>11</sup> 14'25	16 <sup>11</sup> 1	25 <sup>11</sup> 48	9 <sup>11</sup> 48	8 <sup>11</sup> 27	12 <sup>11</sup> 1	22 <sup>11</sup> 21	14 <sup>11</sup> 39	4 <sup>11</sup> 37	2 <sup>11</sup> 3	15 <sup>11</sup> R24	15 <sup>11</sup> 5	5 <sup>11</sup> 8	17 <sup>11</sup> 13	S 13
M14	11 29 26	24 <sup>11</sup> 14'02	28 <sup>11</sup> 56	26 <sup>11</sup> 55	10 <sup>11</sup> 57	9 <sup>11</sup> 6	11 <sup>11</sup> 54	22 <sup>11</sup> 28	14 <sup>11</sup> 42	4 <sup>11</sup> 39	2 <sup>11</sup> 3	15 <sup>11</sup> 24	15 <sup>11</sup> 2	5 <sup>11</sup> 15	17 <sup>11</sup> 17	M14
T 15	11 33 22	25 <sup>11</sup> 13'36	11 <sup>11</sup> 37	28 <sup>11</sup> 5	12 <sup>11</sup> 6	9 <sup>11</sup> 46	11 <sup>11</sup> 46	22 <sup>11</sup> 35	14 <sup>11</sup> 45	4 <sup>11</sup> 41	2 <sup>11</sup> D 3	15 <sup>11</sup> 23	14 <sup>11</sup> 59	5 <sup>11</sup> 22	17 <sup>11</sup> 21	T 15
W16	11 37 19	26 <sup>11</sup> 13'09	24 <sup>11</sup> 4	29 <sup>11</sup> 17	13 <sup>11</sup> 15	10 <sup>11</sup> 25	11 <sup>11</sup> 39	22 <sup>11</sup> 43	14 <sup>11</sup> 49	4 <sup>11</sup> 42	2 <sup>11</sup> 3	15 <sup>11</sup> 22	14 <sup>11</sup> 56	5 <sup>11</sup> 29	17 <sup>11</sup> 24	W16
T 17	11 41 15	27 <sup>11</sup> 12'40	6 <sup>11</sup> 18	0 <sup>11</sup> 31	14 <sup>11</sup> 24	11 <sup>11</sup> 4	11 <sup>11</sup> 31	22 <sup>11</sup> 50	14 <sup>11</sup> 52	4 <sup>11</sup> 44	2 <sup>11</sup> 3	15 <sup>11</sup> 20	14 <sup>11</sup> 53	5 <sup>11</sup> 35	17 <sup>11</sup> 28	T 17
F 18	11 45 12	28 <sup>11</sup> 12'09	18 <sup>11</sup> 23	1 <sup>11</sup> 47	15 <sup>11</sup> 33	11 <sup>11</sup> 44	11 <sup>11</sup> 24	22 <sup>11</sup> 58	14 <sup>11</sup> 56	4 <sup>11</sup> 45	2 <sup>11</sup> 3	15 <sup>11</sup> 18	14 <sup>11</sup> 50	5 <sup>11</sup> 42	17 <sup>11</sup> 32	F 18
S 19	11 49 8	29 <sup>11</sup> 11'36	0 <sup>11</sup> 20	3 <sup>11</sup> 5	16 <sup>11</sup> 43	12 <sup>11</sup> 23	11 <sup>11</sup> 17	23 <sup>11</sup> 5	14 <sup>11</sup> 59	4 <sup>11</sup> 47	2 <sup>11</sup> 3	15 <sup>11</sup> 17	14 <sup>11</sup> 46	5 <sup>11</sup> 49	17 <sup>11</sup> 35	S 19
S 20	11 53 5	0 <sup>11</sup> 11'01	12 <sup>11</sup> 13	4 <sup>11</sup> 24	17 <sup>11</sup> 52	13 <sup>11</sup> 3	11 <sup>11</sup> 10	23 <sup>11</sup> 13	15 <sup>11</sup> 2	4 <sup>11</sup> 48	2 <sup>11</sup> 3	15 <sup>11</sup> 15	14 <sup>11</sup> 43	5 <sup>11</sup> 55	17 <sup>11</sup> 39	S 20
M21	11 57 1	1 <sup>11</sup> 10'25	24 <sup>11</sup> 6	5 <sup>11</sup> 45	19 <sup>11</sup> 2	13 <sup>11</sup> 42	11 <sup>11</sup> 3	23 <sup>11</sup> 20	15 <sup>11</sup> 6	4 <sup>11</sup> 50	2 <sup>11</sup> 3	15 <sup>11</sup> 14	14 <sup>11</sup> 40	6 <sup>11</sup> 2	17 <sup>11</sup> 43	M21
T 22	12 0 58	2 <sup>11</sup> 9'47	6 <sup>11</sup> 3	7 <sup>11</sup> 8	20 <sup>11</sup> 11	14 <sup>11</sup> 21	10 <sup>11</sup> 56	23 <sup>11</sup> 27	15 <sup>11</sup> 9	4 <sup>11</sup> 51	2 <sup>11</sup> 3	15 <sup>11</sup> D14	14 <sup>11</sup> 37	6 <sup>11</sup> 9	17 <sup>11</sup> 47	T 22
W23	12 4 55	3 <sup>11</sup> 9'07	18 <sup>11</sup> 12	8 <sup>11</sup> 33	21 <sup>11</sup> 21	15 <sup>11</sup> 1	10 <sup>11</sup> 49	23 <sup>11</sup> 35	15 <sup>11</sup> 12	4 <sup>11</sup> 53	2 <sup>11</sup> 4	15 <sup>11</sup> 15	14 <sup>11</sup> 34	6 <sup>11</sup> 16	17 <sup>11</sup> 50	W23
T 24	12 8 51	4 <sup>11</sup> 8'25	0 <sup>11</sup> 34	9 <sup>11</sup> 59	22 <sup>11</sup> 31	15 <sup>11</sup> 40	10 <sup>11</sup> 42	23 <sup>11</sup> 42	15 <sup>11</sup> 16	4 <sup>11</sup> 54	2 <sup>11</sup> 4	15 <sup>11</sup> 16	14 <sup>11</sup> 30	6 <sup>11</sup> 22	17 <sup>11</sup> 54	T 24
F 25	12 12 48	5 <sup>11</sup> 7'41	13 <sup>11</sup> 14	11 <sup>11</sup> 27	23 <sup>11</sup> 40	16 <sup>11</sup> 19	10 <sup>11</sup> 36	23 <sup>11</sup> 49	15 <sup>11</sup> 19	4 <sup>11</sup> 55	2 <sup>11</sup> 4	15 <sup>11</sup> 18	14 <sup>11</sup> 27	6 <sup>11</sup> 29	17 <sup>11</sup> 58	F 25
S 26	12 16 44	6 <sup>11</sup> 6'56	26 <sup>11</sup> 15	12 <sup>11</sup> 56	24 <sup>11</sup> 50	16 <sup>11</sup> 59	10 <sup>11</sup> 29	23 <sup>11</sup> 57	15 <sup>11</sup> 22	4 <sup>11</sup> 57	2 <sup>11</sup> 4	15 <sup>11</sup> 19	14 <sup>11</sup> 24	6 <sup>11</sup> 36	18 <sup>11</sup> 1	S 26
S 27	12 20 41	7 <sup>11</sup> 6'08	9 <sup>11</sup> 40	14 <sup>11</sup> 27	26 <sup>11</sup> 0	17 <sup>11</sup> 38	10 <sup>11</sup> 23	24 <sup>11</sup> 4	15 <sup>11</sup> 25	4 <sup>11</sup> 58	2 <sup>11</sup> 4	15 <sup>11</sup> R20	14 <sup>11</sup> 21	6 <sup>11</sup> 43	18 <sup>11</sup> 5	S 27
M28	12 24 37	8 <sup>11</sup> 5'19	23 <sup>11</sup> 29	15 <sup>11</sup> 59	27 <sup>11</sup> 10	18 <sup>11</sup> 17	10 <sup>11</sup> 17	24 <sup>11</sup> 11	15 <sup>11</sup> 29	4 <sup>11</sup> 59	2 <sup>11</sup> 5	15 <sup>11</sup> 20	14 <sup>11</sup> 18	6 <sup>11</sup> 49	18 <sup>11</sup> 8	M28
T 29	12 28 34	9 <sup>11</sup> 4'27	7 <sup>11</sup> 38	17 <sup>11</sup> 33	28 <sup>11</sup> 20	18 <sup>11</sup> 56	10 <sup>11</sup> 11	24 <sup>11</sup> 19	15 <sup>11</sup> 32	5 <sup>11</sup> 1	2 <sup>11</sup> 5	15 <sup>11</sup> 18	14 <sup>11</sup> 15	6 <sup>11</sup> 56	18 <sup>11</sup> 12	T 29
W30	12 32 30	10 <sup>11</sup> 3'34	22 <sup>11</sup> 6	19 <sup>11</sup> 8	29 <sup>11</sup> 31	19 <sup>11</sup> 36	10 <sup>11</sup> 5	24 <sup>11</sup> 26	15 <sup>11</sup> 35	5 <sup>11</sup> 2	2 <sup>11</sup> 5	15 <sup>11</sup> 16	14 <sup>11</sup> 11	7 <sup>11</sup> 3	18 <sup>11</sup> 16	W30
T 31	12 36 27	11 <sup>11</sup> 2'38	6 <sup>11</sup> 45	20 <sup>11</sup> 45	0 <sup>11</sup> 41	20 <sup>11</sup> 35	9 <sup>11</sup> 59	24 <sup>11</sup> 33	15 <sup>11</sup> 38	5 <sup>11</sup> 3	2 <sup>11</sup> 5	15 <sup>11</sup> 13	14 <sup>11</sup> 8	7 <sup>11</sup> 9	18 <sup>11</sup> 19	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s21	0n43	1n15	15s 9	0n56	19s25	1n34	23s40	0s11	7n50	1n29	5s27	1s59	7s 0	0s44	19s 5	0n 9	19n35	3s53	5s47	5s38	25s53	1s25	4n16							
W 2	6 58	7 23	2 27	15 13	0 43	19 17	1 29	23 41	0 12	7 53	1 29	5 24	1 59	6 59	0 44	19 4	0 9	19 35	3 53	5 47	5 40	25 55	1 24	4 16							
T 3	6 35	13 45	3 31	15 16	0 30	19 8	1 25	23 41	0 13	7 56	1 29	5 22	1 59	6 57	0 44	19 4	0 9	19 36	3 53	5 47	5 41	25 56	1 23	4 16							
F 4	6 12	19 26	4 23	15 16	0 18	18 59	1 20	23 42	0 14	7 59	1 29	5 19	1 59	6 56	0 44	19 3	0 9	19 36	3 52	5 47	5 42	25 58	1 21	4 16							
S 5	5 49	24 2	4 58	15 15	0 6	18 49	1 15	23 42	0 15	8 2	1 29	5 16	1 59	6 55	0 44	19 3	0 9	19 36	3 52	5 47	5 43	25 59	1 20	4 16							
S 6	5 26	27 11	5 16	15 12	0s 5	18 39	1 11	23 42	0 16	8 5	1 29	5 13	1 59	6 53	0 44	19 3	0 9	19 36	3 52	5 47	5 44	26 1	1 18	4 15							
M 7	5 2	28 34	5 13	15 7	0 16	18 28	1 6	23 42	0 18	8 8	1 29	5 10	1 59	6 52	0 44	19 2	0 9	19 36	3 52	5 47	5 46	26 2	1 17	4 15							
T 8	4 39	28 6	4 52	15 1	0 27	18 16	1 1	23 42	0 19	8 11	1 29	5 7	1 59	6 51	0 44	19 2	0 9	19 36	3 52	5 47	5 47	26 4	1 16	4 15							
W 9	4 16	25 51	4 14	14 53	0 37	18 5	0 57	23 41	0 20	8 14	1 29	5 4	1 59	6 49	0 44	19 1	0 9	19 36	3 52	5 46	5 48	26 5	1 14	4 15							
T 10	3 52	22 6	3 22	14 43	0 46	17 52	0 52	23 40	0 21	8 17	1 29	5 1	1 59	6 48	0 44	19 1	0 9	19 37	3 52	5 46	5 49	26 7	1 13	4 15							
F 11	3 28	17 12	2 19	14 32	0 56	17 39	0 48	23 40	0 22	8 20	1 29	4 58	1 59	6 47	0 44	19 0	0 9	19 37	3 51	5 46	5 51	26 8	1 11	4 15							
S 12	3 5	11 33	1 9	14 20	1 5	17 26	0 43	23 39	0 23	8 23	1 29	4 55	1 59	6 45	0 44	19 0	0 9	19 37	3 51	5 46	5 52	26 9	1 10	4 15							
S 13	2 41	5 29	0s 3	14 5	1 13	17 12	0 39	23 37	0 24	8 26	1 29	4 52	2 0	6 44	0 44	19 0	0 9	19 37	3 51	5 46	5 53	26 11	1 8	4 15							
M14	2 18	0s42	1 14	13 50	1 21	16 58	0 34	23 36	0 26	8 29	1 29	4 49	2 0	6 43	0 44	18 59	0 9	19 37	3 51	5 46	5 54	26 12	1 7	4 15							
T 15	1 54	6 45	2 20	13 33	1 28	16 43	0 30	23 34	0 27	8 32	1 29	4 47	2 0	6 42	0 44	18 59	0 9	19 37	3 51	5 46	5 56	26 14	1 6	4 15							
W16	1 30	12 25	3 18	13 14	1 35	16 28	0 26	23 32	0 28	8 35	1 29	4 44	2 0	6 40	0 44	18 59	0 9	19 37	3 51	5 47	5 57	26 15	1 4	4 15							
T 17	1 7	17 30	4 6	12 54	1 42	16 12	0 22	23 31	0 29	8 38	1 29	4 41	2 0	6 39	0 44	18 58	0 9	19 38	3 51	5 47	5 58	26 16	1 3	4 15							
F 18	0 43	21 50	4 42	12 33	1 48	15 56	0 17	23 28	0 31	8 40	1 29	4 38	2 0	6 38	0 44	18 58	0 9	19 38	3 50	5 48	5 59	26 18	1 1	4 15							
S 19	0 19	25 13	5 5	12 10	1 54	15 39	0 13	23 26	0 32	8 43	1 29	4 35	2 0	6 36	0 44	18 57	0 9	19 38	3 50	5 49	6 0	26 19	1 0	4 15							
S 20	0n 4	27 30	5 15	11 46	1 59	15 22	0 9	23 24	0 33	8 46	1 29	4 32	2 0	6 35	0 44	18 57	0 9	19 38	3 50	5 49	6 2	26 20	0 58	4 15							
M21	0 28	28 33	5 12	11 20	2 4	15 4	0 5	23 21	0 34	8 48	1 29	4 29	2 0	6 34	0 44	18 57	0 9	19 38	3 50	5 50	6 3	26 22	0 57	4 15							
T 22	0 52	28 15	4 55	10 53	2 8	14 46	0 1	23 18	0 36	8 51	1 29	4 26	2 0	6 32	0 44	18 56	0 9	19 38	3 50	5 50	6 4	26 23	0 56	4 15							
W23	1 15	26 37	4 25	10 25	2 12	14 28	0s 3	23 15	0 37	8 53	1 29	4 23	2 0	6 31	0 44	18 56	0 9	19 38	3 50	5 49	6 5	26 24	0 54	4 15							
T 24	1 39	23 41	3 42	9 55	2 15	14 9	0 7	23 12	0 38	8 56	1 29	4 21	2 0	6 30	0 44	18 56	0 9	19 39	3 49	5 49	6 7	26 26	0 53	4 15							
F 25	2 2	19 33	2 48	9 25	2 18	13 49	0 11	23 8	0 40	8 58	1 28	4 18	2 0	6 29	0 44	18 55	0 9	19 39	3 49	5 48	6 8	26 27	0 51	4 15							
S 26	2 26	14 24	1 43	8 53	2 20	13 30	0 15	23 5	0 41	9 1	1 28	4 15	2 0	6 27	0 44	18 55	0 9	19 39	3 49	5 48	6 9	26 28	0 50	4 15							
S 27	2 49	8 26	0 31	8 19	2 22	13 10	0 18	23 1	0 42	9 3	1 28	4 12	2 0	6 26	0 44	18 55	0 9	19 39	3 49	5 48	6 10	26 30	0 49	4 15							
M28	3 13	1 55	0n45	7 45	2 24	12 49	0 22	22 57	0 44	9 5	1 28	4 9	2 0	6 25	0 44	18 55	0 9	19 39	3 49	5 48	6 12	26 31	0 47	4 15							
T 29	3 36	4n52	2 0	7 9	2 25	12 28	0 26	22 53	0 45	9 8	1 28	4 6	2 0	6 24	0 44	18 54	0 9	19 39	3 49	5 48	6 13	26 32	0 46	4 15							
W30	3 59	11 32	3 8	6 32	2 25	12 7	0 29	22 49	0 47	9 10	1 28	4 4	2 1	6 22	0 44	18 54	0 9	19 39	3 49	5 49	6 14	26 33	0 44	4 15							
T 31	4n23	17n39	4n 5	5s54	2s25	11s46	0s33	22s45	0s48	9n12	1n28	4s 1	2s 1	6s21	0s44	18s54	0n 9	19n40	3s48	5s50	6s15	26s35	0s43	4n15							

# ASTRODIENST EPHEMERIS for the year 1672

## geocentric

APRIL 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 40 24	12°14'1	21°28'8	22°24'3	1°51'2	20°54'3	9°R53	24°41'1	15°41'1	5°44'4	2°56'6	15°R 9	14°41'5	7°21'16	18°23'23	F 1	
S 2	12 44 20	13° 0'41	6°11'8	24° 3'	3° 2'	21°33'	9°14'47	24°48'	15°45'	5° 5'	2° 6'	15°41'5	14° 2'	7°23'	18°26'	S 2	
S 3	12 48 17	13°59'39	20°39'	25°45'	4°12'	22°12'	9°42'	24°55'	15°48'	5° 6'	2° 7'	15° 2'	13°59'	7°30'	18°30'	S 3	
M 4	12 52 13	14°58'34	4°58'57	27°27'	5°22'	22°51'	9°37'	25° 2'	15°51'	5° 8'	2° 7'	15° 1'	13°55'	7°36'	18°33'	M 4	
T 5	12 56 10	15°57'28	18°59'	29°12'	6°33'	23°30'	9°31'	25° 9'	15°54'	5° 9'	2° 8'	15°D 0	13°52'	7°43'	18°37'	T 5	
W 6	13 0 6	16°56'19	2°12'45	0°15'57	7°44'	24° 9'	9°26'	25°16'	15°57'	5°10'	2° 8'	15° 1'	13°49'	7°50'	18°40'	W 6	
T 7	13 4 3	17°55'07	16°13'	2°45'	8°54'	24°48'	9°22'	25°23'	16° 0'	5°11'	2° 9'	15° 3'	13°46'	7°56'	18°43'	T 7	
F 8	13 7 59	18°53'53	29°27'	4°33'	10° 5'	25°27'	9°17'	25°30'	16° 3'	5°11'	2° 9'	15° 4'	13°43'	8° 3'	18°47'	F 8	
S 9	13 11 56	19°52'37	12°12'26	6°24'	11°16'	26° 5'	9°12'	25°38'	16° 6'	5°12'	2°10'	15°R 5	13°40'	8°10'	18°50'	S 9	
S 10	13 15 53	20°51'19	25°13'	8°16'	12°26'	26°44'	9° 8'	25°45'	16° 9'	5°13'	2°10'	15° 5'	13°36'	8°17'	18°53'	S 10	
M11	13 19 49	21°49'59	7°12'48	10° 9'	13°37'	27°23'	9° 4'	25°51'	16°12'	5°14'	2°11'	15° 2'	13°33'	8°23'	18°57'	M11	
T 12	13 23 46	22°48'36	20°13'	12° 4'	14°48'	28° 2'	9° 0'	25°58'	16°15'	5°15'	2°12'	14°58'	13°30'	8°30'	19° 0'	T 12	
W13	13 27 42	23°47'12	2°12'29	14° 1'	15°59'	28°40'	8°56'	26° 5'	16°18'	5°16'	2°12'	14°53'	13°27'	8°37'	19° 3'	W13	
T 14	13 31 39	24°45'46	14°36'	15°59'	17°10'	29°19'	8°52'	26°12'	16°21'	5°17'	2°13'	14°46'	13°24'	8°44'	19° 6'	T 14	
F 15	13 35 35	25°44'18	26°37'	17°58'	18°21'	29°58'	8°49'	26°19'	16°23'	5°17'	2°14'	14°38'	13°21'	8°50'	19°10'	F 15	
S 16	13 39 32	26°42'48	8°12'32	19°59'	19°32'	0°36'36	8°45'	26°26'	16°26'	5°18'	2°14'	14°31'	13°17'	8°57'	19°13'	S 16	
S 17	13 43 28	27°41'17	20°24'	22° 2'	20°43'	1°15'	8°42'	26°33'	16°29'	5°19'	2°15'	14°24'	13°14'	9° 4'	19°16'	S 17	
M18	13 47 25	28°39'43	2°12'17	24° 5'	21°54'	1°53'	8°39'	26°39'	16°32'	5°19'	2°16'	14°19'	13°11'	9°10'	19°19'	M18	
T 19	13 51 22	29°38'09	14°14'	26°10'	23° 5'	2°32'	8°36'	26°46'	16°35'	5°20'	2°17'	14°15'	13° 8'	9°17'	19°22'	T 19	
W20	13 55 18	0°36'32	26°19'	28°17'	24°17'	3°10'	8°34'	26°53'	16°37'	5°20'	2°17'	14°D14	13° 5'	9°24'	19°25'	W20	
T 21	13 59 15	1°34'54	8°38'38	0°12'24	25°28'	3°48'	8°31'	26°59'	16°40'	5°21'	2°18'	14°14'	13° 1'	9°31'	19°28'	T 21	
F 22	14 3 11	2°33'14	21°14'	2°32'	26°39'	4°27'	8°29'	27° 6'	16°43'	5°22'	2°19'	14°15'	12°58'	9°37'	19°31'	F 22	
S 23	14 7 8	3°31'33	4°13'13	4°40'	27°51'	5° 5'	8°27'	27°12'	16°45'	5°22'	2°20'	14°16'	12°55'	9°44'	19°34'	S 23	
S 24	14 11 4	4°29'50	17°38'	6°49'	29° 2'	5°43'	8°25'	27°19'	16°48'	5°22'	2°21'	14°R17	12°52'	9°51'	19°37'	S 24	
M25	14 15 1	5°28'06	1°13'13	8°59'	0°13'13	6°21'	8°23'	27°25'	16°50'	5°23'	2°22'	14°15'	12°49'	9°57'	19°40'	M25	
T 26	14 18 57	6°26'20	15°50'	11° 8'	1°25'	6°59'	8°21'	27°31'	16°53'	5°23'	2°23'	14°12'	12°46'	10° 4'	19°43'	T 26	
W27	14 22 54	7°24'32	0°13'33	13°17'	2°36'	7°37'	8°20'	27°38'	16°55'	5°24'	2°23'	14° 6'	12°42'	10°11'	19°45'	W27	
T 28	14 26 51	8°22'43	15°33'	15°25'	3°48'	8°15'	8°19'	27°44'	16°58'	5°24'	2°24'	13°59'	12°39'	10°18'	19°48'	T 28	
F 29	14 30 47	9°20'52	0°12'40	17°33'	4°59'	8°53'	8°18'	27°50'	17° 0'	5°24'	2°25'	13°50'	12°36'	10°24'	19°51'	F 29	
S 30	14 34 44	10°18'59	15°12'44	19°12'39	6°11'11	9°33'11	8°17'17	27°56'	17°13'3	5°24'24	2°25'26	13°42'42	12°33'33	10°24'31	19°54'54	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	4n46	22n46	4n47	5s14	2s25	11s24	0s36	22s40	0s49	9n14	1n28	3s58	2s 1	6s20	0s44	18s53	0n 9	19n40	3s48	5s52	6s16	26s36	0s41	4n15			
S 2	5 9	26 27	5 9	4 34	2 24	11 1	0 39	22 36	0 51	9 16	1 28	3 55	2 1	6 19	0 44	18 53	0 9	19 40	3 48	5 53	6 18	26 37	0 40	4 15			
S 3	5 32	28 20	5 11	3 52	2 22	10 39	0 43	22 31	0 52	9 18	1 28	3 52	2 1	6 18	0 44	18 53	0 9	19 40	3 48	5 54	6 19	26 39	0 39	4 15			
M 4	5 55	28 18	4 54	3 10	2 20	10 16	0 46	22 26	0 54	9 20	1 27	3 50	2 1	6 16	0 44	18 53	0 9	19 40	3 48	5 55	6 20	26 40	0 37	4 15			
T 5	6 17	26 25	4 20	2 26	2 18	9 53	0 49	22 21	0 55	9 22	1 27	3 47	2 1	6 15	0 44	18 52	0 9	19 40	3 48	5 55	6 21	26 41	0 36	4 15			
W 6	6 40	23 0	3 31	1 41	2 15	9 29	0 52	22 15	0 57	9 23	1 27	3 44	2 1	6 14	0 44	18 52	0 9	19 40	3 48	5 55	6 23	26 42	0 35	4 15			
T 7	7 3	18 24	2 31	0 55	2 11	9 6	0 55	22 10	0 58	9 25	1 27	3 41	2 1	6 13	0 44	18 52	0 9	19 41	3 47	5 54	6 24	26 43	0 33	4 15			
F 8	7 25	13 0	1 24	0 8	2 7	8 42	0 58	22 4	1 0	9 27	1 27	3 39	2 1	6 12	0 44	18 52	0 9	19 41	3 47	5 54	6 25	26 45	0 32	4 15			
S 9	7 47	7 8	0 14	0n40	2 3	8 17	1 1	21 59	1 1	9 28	1 27	3 36	2 2	6 11	0 44	18 51	0 9	19 41	3 47	5 53	6 26	26 46	0 30	4 16			
S 10	8 9	1 4	0s55	1 29	1 58	7 53	1 3	21 53	1 3	9 30	1 27	3 33	2 2	6 9	0 44	18 51	0 9	19 41	3 47	5 53	6 27	26 47	0 29	4 16			
M11	8 31	4s57	2 0	2 18	1 52	7 28	1 6	21 47	1 5	9 31	1 26	3 31	2 2	6 8	0 44	18 51	0 9	19 41	3 47	5 54	6 29	26 48	0 28	4 16			
T 12	8 53	10 41	2 59	3 9	1 46	7 3	1 8	21 40	1 6	9 33	1 26	3 28	2 2	6 7	0 44	18 51	0 9	19 41	3 47	5 56	6 30	26 49	0 26	4 16			
W13	9 15	15 56	3 49	4 0	1 40	6 38	1 11	21 34	1 8	9 34	1 26	3 25	2 2	6 6	0 45	18 51	0 9	19 41	3 47	5 58	6 31	26 51	0 25	4 16			
T 14	9 37	20 30	4 27	4 52	1 33	6 12	1 13	21 28	1 9	9 35	1 26	3 23	2 2	6 5	0 45	18 50	0 9	19 41	3 47	6 1	6 32	26 52	0 24	4 16			
F 15	9 58	24 11	4 54	5 45	1 25	5 47	1 16	21 21	1 11	9 36	1 26	3 20	2 2	6 4	0 45	18 50	0 9	19 42	3 46	6 4	6 34	26 53	0 22	4 16			
S 16	10 19	26 49	5 7	6 38	1 17	5 21	1 18	21 14	1 13	9 38	1 26	3 18	2 2	6 3	0 45	18 50	0 9	19 42	3 46	6 7	6 35	26 54	0 21	4 16			
S 17	10 40	28 14	5 7	7 32	1 9	4 55	1 20	21 8	1 14	9 39	1 26	3 15	2 3	6 2	0 45	18 50	0 9	19 42	3 46	6 9	6 36	26 55	0 20	4 16			
M18	11 1	28 21	4 54	8 26	1 0	4 29	1 22	21 1	1 16	9 40	1 25	3 12	2 3	6 1	0 45	18 50	0 9	19 42	3 46	6 11	6 37	26 56	0 19	4 16			
T 19	11 22	27 9	4 28	9 20	0 51	4 2	1 24	20 54	1 18	9 40	1 25	3 10	2 3	6 0	0 45	18 50	0 9	19 42	3 46	6 12	6 38	26 57	0 17	4 16			
W20	11 42	24 41	3 49	10 14	0 41	3 36	1 26	20 46	1 19	9 41	1 25	3 7	2 3	5 59	0 45	18 50	0 9	19 42	3 46	6 13	6 40	26 59	0 16	4 16			
T 21	12 3	21 2	3 0	11 9	0 31	3 9	1 28	20 39	1 21	9 42	1 25	3 5	2 3	5 58	0 45	18 49	0 9	19 42	3 46	6 13	6 41	27 0	0 15	4 16			
F 22	12 23	16 21	2 1	12 3	0 21	2 42	1 30	20 32	1 23	9 43	1 25	3 2	2 3	5 57	0 45	18 49	0 9	19 42	3 45	6 13	6 42	27 1	0 13	4 17			
S 23	12 43	10 49	0 54	12 56	0 11	2 15	1 31	20 24	1 25	9 43	1 24	3 0	2 3	5 56	0 45	18 49	0 9	19 43	3 45	6 12	6 43	27 2	0 12	4 17			
S 24	13 3	4 37	0n18	13 49	0 0	1 48	1 33	20 16	1 26	9 44	1 24	2 58	2 4	5 55	0 45	18 49	0 9	19 43	3 45	6 12	6 45	27 3	0 11	4 17			
M25	13 22	2n 0	1 31	14 41	0n10	1 21	1 34	20 9	1 28	9 44	1 24	2 55	2 4	5 54	0 45	18 49	0 9	19 43	3 45	6 12	6 46	27 4	0 10	4 17			
T 26	13 41	8 43	2 41	15 32	0 21	0 54	1 36	20 1	1 30	9 45	1 24	2 53	2 4	5 53	0 45	18 49	0 9	19 43	3 45	6 14	6 47	27 5	0 9	4 17			
W27	14 1	15 9	3 42	16 22	0 32	0 27	1 37	19 53	1 32	9 45	1 24	2 50	2 4	5 52	0 45	18 49	0 9	19 43	3 45	6 16	6 48	27 6	0 7	4 17			
T 28	14 19	20 48	4 29	17 10	0 42	0n 0	1 38	19 45	1 34	9 46	1 24	2 48	2 4	5 51	0 45	18 49	0 9	19 43	3 45	6 19	6 49	27 7	0 6	4 17			
F 29	14 38	25 10	4 57	17 56	0 53	0 28	1 40	19 36	1 36	9 46	1 23	2 46	2 4	5 50	0 45	18 49	0 9	19 43	3 45	6 22	6 51	27 8	0 5	4 17			
S 30	14n56	27n46	5n 5	18n41	1n 3	0n55	1s41	19s28	1s37	9n46	1n23	2s43	2s 4	5s49	0s45	18s49	0n 9	19n43	3s44	6s25	6s52	27s 9	0s 4	4n17			

ASTRODIENST EPHEMERIS for the year 1672  
geocentric

MAY 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 38 40	11♌17'05	0♉36	21♌43	7♊22	10♌8	8♌16	28♌3	17♌5	5♌25	2♉27	13♌35	12♌30	10♌38	19♌56	S 1
M 2	14 42 37	12♌15'08	15° 9	23°46	8°34	10°46	8♌16	28° 9	17° 7	5°25	2°28	13♌30	12°27	10°45	19°59	M 2
T 3	14 46 33	13♌13'10	29°19	25°47	9°46	11°23	8°15	28°15	17°10	5°25	2°29	13°27	12°23	10°51	20° 1	T 3
W 4	14 50 30	14♌11'10	13♌4	27°45	10°57	12° 1	8°D15	28°21	17°12	5°25	2°30	13°D27	12°20	10°58	20° 4	W 4
T 5	14 54 26	15° 9'07	26°27	29°41	12° 9	12°38	8°15	28°27	17°14	5°25	2°31	13°27	12°17	11° 5	20° 7	T 5
F 6	14 58 23	16° 7'03	9♌29	1♌34	13°21	13°15	8°16	28°32	17°16	5°25	2°32	13°R27	12°14	11°11	20° 9	F 6
S 7	15 2 20	17° 4'57	22°14	3°25	14°32	13°52	8°16	28°38	17°18	5°R25	2°34	13°27	12°11	11°18	20°11	S 7
S 8	15 6 16	18° 2'49	4♌45	5°12	15°44	14°29	8°17	28°44	17°20	5°25	2°35	13°25	12° 7	11°25	20°14	S 8
M 9	15 10 13	19° 0'39	17° 5	6°56	16°56	15° 6	8°18	28°50	17°22	5°25	2°36	13°21	12° 4	11°32	20°16	M 9
T 10	15 14 9	19°58'28	29°17	8°37	18° 8	15°43	8°18	28°55	17°24	5°25	2°37	13°13	12° 1	11°38	20°18	T 10
W11	15 18 6	20°56'15	11♌21	10°15	19°20	16°20	8°20	29° 1	17°26	5°25	2°38	13° 4	11°58	11°45	20°21	W11
T 12	15 22 2	21°54'01	23°21	11°50	20°32	16°57	8°21	29° 6	17°28	5°25	2°39	12°52	11°55	11°52	20°23	T 12
F 13	15 25 59	22°51'46	5♌16	13°21	21°43	17°33	8°23	29°12	17°30	5°25	2°40	12°39	11°52	11°59	20°25	F 13
S 14	15 29 55	23°49'29	17° 9	14°48	22°55	18°10	8°24	29°17	17°32	5°24	2°42	12°26	11°48	12° 5	20°27	S 14
S 15	15 33 52	24°47'11	29° 2	16°12	24° 7	18°46	8°26	29°22	17°34	5°24	2°43	12°15	11°45	12°12	20°29	S 15
M16	15 37 49	25°44'51	10♌55	17°33	25°19	19°22	8°28	29°27	17°35	5°24	2°44	12° 5	11°42	12°19	20°31	M16
T 17	15 41 45	26°42'31	22°53	18°50	26°31	19°58	8°30	29°33	17°37	5°24	2°45	11°58	11°39	12°25	20°33	T 17
W18	15 45 42	27°40'09	4♌58	20° 3	27°43	20°34	8°33	29°38	17°39	5°23	2°47	11°54	11°36	12°32	20°35	W18
T 19	15 49 38	28°37'47	17°15	21°13	28°55	21°10	8°35	29°43	17°40	5°23	2°48	11°52	11°33	12°39	20°37	T 19
F 20	15 53 35	29°35'23	29°48	22°18	0♌7	21°46	8°38	29°48	17°42	5°22	2°49	11°D51	11°29	12°46	20°39	F 20
S 21	15 57 31	0♌32'59	12♌42	23°20	1°19	22°21	8°41	29°53	17°44	5°22	2°50	11°R52	11°26	12°52	20°41	S 21
S 22	16 1 28	1°30'33	26° 2	24°18	2°31	22°57	8°44	29°57	17°45	5°22	2°52	11°51	11°23	12°59	20°42	S 22
M23	16 5 24	2°28'07	9♌50	25°13	3°44	23°32	8°47	0♌7	2 17°46	5°21	2°53	11°49	11°20	13° 6	20°44	M23
T 24	16 9 21	3°25'39	24° 7	26° 3	4°56	24° 7	8°51	0° 7	17°48	5°20	2°54	11°44	11°17	13°12	20°46	T 24
W25	16 13 18	4°23'11	8♌52	26°49	6° 8	24°42	8°54	0°11	17°49	5°20	2°56	11°37	11°13	13°19	20°47	W25
T 26	16 17 14	5°20'42	23°57	27°31	7°20	25°17	8°58	0°16	17°51	5°19	2°57	11°27	11°10	13°26	20°49	T 26
F 27	16 21 11	6°18'13	9♌14	28° 8	8°32	25°52	9° 2	0°20	17°52	5°19	2°58	11°17	11° 7	13°33	20°50	F 27
S 28	16 25 7	7°15'42	24°32	28°41	9°45	26°27	9° 6	0°25	17°53	5°18	3° 0	11° 6	11° 4	13°39	20°52	S 28
S 29	16 29 4	8°13'10	9♌39	29°10	10°57	27° 1	9°10	0°29	17°54	5°17	3° 1	10°57	11° 1	13°46	20°53	S 29
M30	16 33 0	9°10'37	24°26	29°35	12° 9	27°35	9°15	0°33	17°55	5°17	3° 2	10°49	10°58	13°53	20°54	M30
T 31	16 36 57	10♌8'02	8♌47	29♌54	13♌21	28° 9	9♌19	0♌37	17♌56	5°16	3° 4	10♌45	10♌54	14♌0	20♌56	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	15n15	28n21	4n52	19n24	1n12	1n23	1s42	19s20	1s39	9n46	1n23	2s41	2s 5	5s48	0s45	18s49	0n 9	19n43	3s44	6s28	6s53	27s10	0s 3	4n18					
M 2	15 33	26 56	4 20	20 4	1 22	1 50	1 42	19 11	1 41	9 46	1 23	2 39	2 5	5 47	0 45	18 49	0 9	19 44	3 44	6 30	6 54	27 11	0 2	4 18					
T 3	15 50	23 48	3 33	20 42	1 30	2 17	1 43	19 3	1 43	9 46	1 23	2 37	2 5	5 46	0 45	18 49	0 9	19 44	3 44	6 31	6 55	27 12	0 0	4 18					
W 4	16 8	19 24	2 35	21 18	1 39	2 45	1 44	18 54	1 45	9 46	1 22	2 34	2 5	5 45	0 45	18 49	0 9	19 44	3 44	6 31	6 57	27 13	0n 1	4 18					
T 5	16 25	14 7	1 30	21 51	1 46	3 12	1 45	18 46	1 47	9 46	1 22	2 32	2 5	5 45	0 45	18 48	0 9	19 44	3 44	6 31	6 58	27 14	0 2	4 18					
F 6	16 42	8 21	0 21	22 22	1 53	3 40	1 45	18 37	1 49	9 45	1 22	2 30	2 6	5 44	0 45	18 48	0 9	19 44	3 44	6 31	6 59	27 15	0 3	4 18					
S 7	16 58	2 22	0s47	22 50	2 0	4 7	1 46	18 28	1 51	9 45	1 22	2 28	2 6	5 43	0 45	18 48	0 9	19 44	3 44	6 31	7 0	27 16	0 4	4 18					
S 8	17 14	3s35	1 51	23 16	2 5	4 34	1 46	18 19	1 53	9 44	1 22	2 26	2 6	5 42	0 45	18 48	0 9	19 44	3 43	6 32	7 2	27 17	0 5	4 18					
M 9	17 30	9 19	2 49	23 39	2 10	5 2	1 46	18 10	1 55	9 44	1 21	2 24	2 6	5 42	0 45	18 49	0 9	19 44	3 43	6 34	7 3	27 18	0 6	4 19					
T 10	17 46	14 38	3 38	24 0	2 14	5 29	1 47	18 1	1 57	9 43	1 21	2 22	2 6	5 41	0 45	18 49	0 9	19 44	3 43	6 36	7 4	27 19	0 7	4 19					
W11	18 1	19 20	4 17	24 18	2 17	5 56	1 47	17 52	1 59	9 43	1 21	2 20	2 6	5 40	0 45	18 49	0 9	19 44	3 43	6 40	7 5	27 20	0 8	4 19					
T 12	18 17	23 13	4 44	24 34	2 20	6 23	1 47	17 43	2 1	9 42	1 21	2 18	2 7	5 39	0 45	18 49	0 9	19 44	3 43	6 45	7 6	27 21	0 9	4 19					
F 13	18 31	26 7	4 59	24 47	2 21	6 50	1 47	17 34	2 3	9 41	1 21	2 16	2 7	5 39	0 45	18 49	0 9	19 45	3 43	6 49	7 8	27 22	0 10	4 19					
S 14	18 46	27 50	5 0	24 58	2 22	7 16	1 47	17 24	2 5	9 40	1 20	2 14	2 7	5 38	0 45	18 49	0 9	19 45	3 43	6 54	7 9	27 23	0 11	4 19					
S 15	19 0	28 17	4 48	25 7	2 22	7 43	1 47	17 15	2 8	9 40	1 20	2 12	2 7	5 37	0 45	18 49	0 9	19 45	3 43	6 59	7 10	27 24	0 12	4 20					
M16	19 14	27 25	4 24	25 14	2 21	8 10	1 46	17 6	2 10	9 39	1 20	2 10	2 8	5 37	0 45	18 49	0 9	19 45	3 43	7 2	7 11	27 25	0 13	4 20					
T 17	19 27	25 18	3 48	25 20	2 19	8 36	1 46	16 56	2 12	9 38	1 20	2 8	2 8	5 36	0 45	18 49	0 9	19 45	3 42	7 5	7 12	27 26	0 14	4 20					
W18	19 41	22 0	3 2	25 23	2 16	9 2	1 46	16 47	2 14	9 37	1 20	2 6	2 8	5 35	0 46	18 49	0 9	19 45	3 42	7 7	7 14	27 26	0 15	4 20					
T 19	19 54	17 42	2 6	25 24	2 13	9 28	1 45	16 37	2 16	9 35	1 19	2 4	2 8	5 35	0 46	18 49	0 9	19 45	3 42	7 7	7 15	27 27	0 16	4 20					
F 20	20 6	12 33	1 3	25 24	2 8	9 54	1 45	16 28	2 19	9 34	1 19	2 3	2 8	5 34	0 46	18 49	0 9	19 45	3 42	7 8	7 16	27 28	0 17	4 20					
S 21	20 18	6 44	0n 4	25 22	2 3	10 20	1 44	16 18	2 21	9 33	1 19	2 1	2 9	5 34	0 46	18 49	0 9	19 45	3 42	7 8	7 17	27 29	0 17	4 20					
S 22	20 30	0 27	1 14	25 18	1 57	10 45	1 43	16 9	2 23	9 32	1 19	1 59	2 9	5 33	0 46	18 49	0 9	19 45	3 42	7 8	7 19	27 30	0 18	4 21					
M23	20 42	6n 5	2 22	25 13	1 50	11 10	1 43	15 59	2 25	9 30	1 19	1 57	2 9	5 32	0 46	18 50	0 9	19 45	3 42	7 9	7 20	27 31	0 19	4 21					
T 24	20 53	12 31	3 23	25 7	1 42	11 35	1 42	15 49	2 28	9 29	1 18	1 56	2 9	5 32	0 46	18 50	0 9	19 45	3 42	7 10	7 21	27 32	0 20	4 21					
W25	21 4	18 28	4 13	24 59	1 33	12 0	1 41	15 40	2 30	9 27	1 18	1 54	2 9	5 31	0 46	18 50	0 9	19 45	3 42	7 13	7 22	27 32	0 21	4 21					
T 26	21 14	23 25	4 46	24 51	1 23	12 25	1 40	15 30	2 32	9 26	1 18	1 53	2 10	5 31	0 46	18 50	0 9	19 46	3 42	7 17	7 23	27 33	0 21	4 21					
F 27	21 24	26 49	5 0	24 41	1 12	12 49	1 39	15 21	2 35	9 24	1 18	1 51	2 10	5 31	0 46	18 50	0 9	19 46	3 41	7 21	7 25	27 34	0 22	4 22					
S 28	21 34	28 14	4 52	24 30	1 1	13 13	1 38	15 11	2 37	9 22	1 18	1 50	2 10	5 30	0 46	18 50	0 9	19 46	3 41	7 25	7 26	27 35	0 23	4 22					
S 29	21 43	27 31	4 24	24 18	0 49	13 36	1 37	15 1	2 39	9 20	1 17	1 48	2 10	5 30	0 46	18 51	0 9	19 46	3 41	7 29	7 27	27 36	0 24	4 22					
M30	21 52	24 51	3 38	24 5	0 36	14 0	1 35	14 52	2 42	9 19	1 17	1 47	2 11	5 29	0 46	18 51	0 9	19 46	3 41	7 31	7 28	27 37	0 24	4 22					
T 31	22n 1	20n40	2n40	23n51	0n22	14n23	1s34	14s42	2s44	9n17	1n17	1s45	2s11	5s29	0s46	18s51	0n 9	19n46	3s41	7s33	7s29	27s37	0n25	4n22					





ASTRODIENST EPHEMERIS for the year 1672  
geocentric

JULY 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 39 10	9♂42'55	28♂ 6	21♂59	20♂53	13♂40	12♂50	2♂ 1	18°R 6	4°R41	3♂49	8♂ 1	9♂16	17♂28	21°R 9	F 1
S 2	18 43 7	10°40'07	10♂48	22°17	22° 6	14° 5	12°59	2° 2	18♂ 6	4♂40	3°51	8°R 2	9°13	17°35	21♂ 8	S 2
S 3	18 47 3	11°37'18	23°12	22°41	23°19	14°30	13° 8	2° 3	18° 5	4°38	3°52	8° 1	9°10	17°41	21° 8	S 3
M 4	18 51 0	12°34'29	5♂22	23° 9	24°32	14°53	13°17	2° 4	18° 5	4°37	3°54	7°58	9° 6	17°48	21° 7	M 4
T 5	18 54 56	13°31'41	17°22	23°43	25°45	15°17	13°26	2° 5	18° 4	4°35	3°55	7°54	9° 3	17°55	21° 7	T 5
W 6	18 58 53	14°28'52	29°16	24°21	26°58	15°40	13°35	2° 6	18° 4	4°34	3°57	7°47	9° 0	18° 2	21° 6	W 6
T 7	19 2 50	15°26'03	11♂ 8	25° 5	28°11	16° 2	13°44	2° 6	18° 3	4°32	3°58	7°38	8°57	18° 8	21° 5	T 7
F 8	19 6 46	16°23'15	23° 1	25°53	29°24	16°24	13°54	2° 7	18° 2	4°31	3°59	7°29	8°54	18°15	21° 4	F 8
S 9	19 10 43	17°20'26	4♂56	26°47	0♂37	16°46	14° 3	2° 7	18° 1	4°29	4° 1	7°19	8°51	18°22	21° 4	S 9
S 10	19 14 39	18°17'38	16°56	27°45	1°51	17° 7	14°13	2° 8	18° 1	4°28	4° 2	7°11	8°47	18°29	21° 3	S 10
M 11	19 18 36	19°14'51	29° 1	28°49	3° 4	17°27	14°23	2° 8	18° 0	4°26	4° 4	7° 4	8°44	18°35	21° 2	M 11
T 12	19 22 32	20°12'03	11♂14	29°57	4°17	17°47	14°32	2° 8	17°59	4°25	4° 5	6°59	8°41	18°42	21° 1	T 12
W 13	19 26 29	21° 9'17	23°35	1♂10	5°30	18° 6	14°42	2°R 8	17°58	4°23	4° 7	6°56	8°38	18°49	21° 0	W 13
T 14	19 30 26	22° 6'31	6♂ 7	2°27	6°44	18°25	14°52	2° 8	17°57	4°22	4° 8	6°D55	8°35	18°55	20°59	T 14
F 15	19 34 22	23° 3'45	18°51	3°49	7°57	18°44	15° 2	2° 8	17°56	4°20	4°10	6°55	8°31	19° 2	20°58	F 15
S 16	19 38 19	24° 1'00	1♂51	5°15	9°10	19° 1	15°12	2° 8	17°55	4°18	4°11	6°57	8°28	19° 9	20°56	S 16
S 17	19 42 15	24°58'16	15°10	6°45	10°24	19°18	15°23	2° 7	17°54	4°17	4°12	6°58	8°25	19°16	20°55	S 17
M 18	19 46 12	25°55'33	28°48	8°20	11°37	19°35	15°33	2° 7	17°52	4°15	4°14	6°R58	8°22	19°22	20°54	M 18
T 19	19 50 8	26°52'51	12♂48	9°59	12°51	19°51	15°43	2° 6	17°51	4°14	4°15	6°57	8°19	19°29	20°53	T 19
W 20	19 54 5	27°50'10	27° 9	11°41	14° 4	20° 6	15°54	2° 6	17°50	4°12	4°17	6°54	8°16	19°36	20°51	W 20
T 21	19 58 1	28°47'30	11♂48	13°27	15°18	20°20	16° 4	2° 5	17°49	4°10	4°18	6°50	8°12	19°42	20°50	T 21
F 22	20 1 58	29°44'51	26°40	15°16	16°31	20°34	16°15	2° 4	17°47	4° 9	4°19	6°45	8° 9	19°49	20°48	F 22
S 23	20 5 55	0♂42'13	11♂38	17° 8	17°45	20°47	16°26	2° 3	17°46	4° 7	4°21	6°40	8° 6	19°56	20°47	S 23
S 24	20 9 51	1°39'36	26°33	19° 3	18°58	21° 0	16°36	2° 2	17°45	4° 5	4°22	6°35	8° 3	20° 3	20°45	S 24
M 25	20 13 48	2°36'59	11♂16	21° 1	20°12	21°11	16°47	2° 1	17°43	4° 4	4°23	6°32	8° 0	20° 9	20°44	M 25
T 26	20 17 44	3°34'24	25°40	23° 0	21°26	21°22	16°58	2° 0	17°42	4° 2	4°25	6°30	7°57	20°16	20°42	T 26
W 27	20 21 41	4°31'49	9♂41	25° 1	22°39	21°33	17° 9	1°58	17°40	4° 1	4°26	6°D29	7°53	20°23	20°40	W 27
T 28	20 25 37	5°29'14	23°16	27° 4	23°53	21°42	17°20	1°57	17°38	3°59	4°27	6°30	7°50	20°30	20°38	T 28
F 29	20 29 34	6°26'41	6♂26	29° 7	25° 7	21°51	17°31	1°55	17°37	3°57	4°29	6°32	7°47	20°36	20°37	F 29
S 30	20 33 30	7°24'08	19°12	1♂12	26°20	21°59	17°43	1°54	17°35	3°56	4°30	6°33	7°44	20°43	20°35	S 30
S 31	20 37 27	8♂21'36	1♂39	3♂16	27♂34	22♂ 6	17♂54	1♂52	17♂34	3♂54	4♂31	6♂34	7♂41	20♂50	20♂33	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	23n 8	0s51	1s45	19n 6	4s 9	22n39	0s31	10s14	4s 7	7n51	1n12	1s19	2s19	5s26	0s47	19s 0
S 2	23 3	6 50	2 46	19 15	4 1	22 46	0 29	10 7	4 10	7 48	1 11	1 19	2 19	5 26	0 47	19 0
S 3	22 58	12 24	3 37	19 26	3 51	22 53	0 26	10 0	4 13	7 44	1 11	1 19	2 20	5 27	0 47	19 0
M 4	22 53	17 23	4 18	19 37	3 41	22 59	0 24	9 53	4 16	7 41	1 11	1 19	2 20	5 27	0 47	19 1
T 5	22 48	21 37	4 46	19 50	3 30	23 4	0 21	9 47	4 19	7 37	1 11	1 19	2 20	5 27	0 47	19 1
W 6	22 42	24 57	5 2	20 3	3 19	23 8	0 19	9 41	4 22	7 33	1 11	1 19	2 20	5 27	0 47	19 1
T 7	22 35	27 11	5 5	20 17	3 7	23 12	0 16	9 35	4 25	7 30	1 11	1 19	2 21	5 28	0 47	19 2
F 8	22 29	28 12	4 55	20 31	2 55	23 15	0 14	9 29	4 28	7 26	1 11	1 19	2 21	5 28	0 47	19 2
S 9	22 21	27 55	4 31	20 45	2 42	23 18	0 11	9 23	4 30	7 22	1 11	1 19	2 21	5 28	0 47	19 2
S 10	22 14	26 19	3 56	20 59	2 28	23 20	0 8	9 18	4 33	7 18	1 10	1 19	2 22	5 29	0 47	19 3
M 11	22 6	23 29	3 10	21 14	2 15	23 21	0 6	9 12	4 36	7 14	1 10	1 19	2 22	5 29	0 48	19 3
T 12	21 58	19 35	2 14	21 28	2 1	23 21	0 3	9 7	4 39	7 11	1 10	1 19	2 22	5 29	0 48	19 4
W 13	21 49	14 48	1 11	21 41	1 47	23 21	0 1	9 2	4 42	7 7	1 10	1 20	2 22	5 30	0 48	19 4
T 14	21 40	9 21	0 4	21 54	1 33	23 20	0n 2	8 57	4 45	7 3	1 10	1 20	2 23	5 30	0 48	19 4
F 15	21 31	3 26	1n 4	22 6	1 20	23 19	0 4	8 53	4 48	6 59	1 10	1 20	2 23	5 31	0 48	19 5
S 16	21 21	2n44	2 11	22 17	1 6	23 17	0 7	8 49	4 51	6 55	1 10	1 21	2 23	5 31	0 48	19 5
S 17	21 11	8 56	3 12	22 27	0 52	23 14	0 9	8 45	4 54	6 51	1 10	1 21	2 23	5 32	0 48	19 6
M 18	21 0	14 52	4 4	22 35	0 38	23 10	0 12	8 41	4 57	6 46	1 9	1 21	2 24	5 32	0 48	19 6
T 19	20 49	20 12	4 43	22 41	0 25	23 6	0 14	8 37	5 0	6 42	1 9	1 22	2 24	5 33	0 48	19 6
W 20	20 38	24 31	5 6	22 46	0 12	23 1	0 16	8 34	5 3	6 38	1 9	1 22	2 24	5 33	0 48	19 7
T 21	20 26	27 21	5 9	22 48	0n 0	22 55	0 19	8 31	5 6	6 34	1 9	1 23	2 25	5 34	0 48	19 7
F 22	20 15	28 18	4 52	22 49	0 12	22 49	0 21	8 28	5 9	6 30	1 9	1 23	2 25	5 34	0 48	19 7
S 23	20 2	27 12	4 15	22 46	0 24	22 42	0 24	8 25	5 11	6 25	1 9	1 24	2 25	5 35	0 48	19 8
S 24	19 50	24 10	3 20	22 42	0 34	22 34	0 26	8 23	5 14	6 21	1 9	1 25	2 25	5 35	0 48	19 8
M 25	19 37	19 34	2 13	22 34	0 45	22 26	0 28	8 21	5 17	6 17	1 9	1 25	2 26	5 36	0 48	19 9
T 26	19 23	13 54	0 59	22 24	0 54	22 17	0 30	8 19	5 20	6 12	1 9	1 26	2 26	5 37	0 48	19 9
W 27	19 10	7 41	0s17	22 12	1 3	22 7	0 33	8 18	5 23	6 8	1 8	1 27	2 26	5 37	0 48	19 9
T 28	18 56	1 18	1 30	21 56	1 11	21 57	0 35	8 16	5 25	6 4	1 8	1 28	2 26	5 38	0 48	19 10
F 29	18 42	4s57	2 36	21 38	1 18	21 46	0 37	8 15	5 28	5 59	1 8	1 29	2 27	5 38	0 48	19 10
S 30	18 27	10 48	3 33	21 18	1 24	21 34	0 39	8 15	5 31	5 55	1 8	1 30	2 27	5 39	0 48	19 11
S 31	18n12	16s 5	4s17	20n55	1n30	21n22	0n41	8s14	5s33	5n50	1n 8	1s30	2s27	5s40	0s48	19s11

Julian Day Number = 2331927.5, Delta T = 28.16 sec  
Ecliptic obliquity = 23°29'03, Nutation = 0°00'06, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°10'08, Lahiri = 19°17'08Greg. Calendar



# ASTRODIENST EPHEMERIS for the year 1672

## geocentric

AUGUST 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 41 24	9♏19'04	13♍51	5♊21	28♎48	22♏12	18♏5	1°R50	17°R32	3°R52	4♎33	6°R34	7♏37	20♎56	20°R31	M 1
T 2	20 45 20	10°16'34	25°51	7°26	0♏2	22°18	18°17	1°Y48	17°R30	3°R51	4°34	6°R33	7°34	21°3	20°R29	T 2
W 3	20 49 17	11°14'04	7♏46	9°30	1°16	22°23	18°28	1°46	17°28	3°49	4°35	6°31	7°31	21°10	20°27	W 3
T 4	20 53 13	12°11'35	19°38	11°33	2°29	22°27	18°40	1°44	17°27	3°48	4°36	6°28	7°28	21°17	20°25	T 4
F 5	20 57 10	13°9'07	1♎32	13°36	3°43	22°30	18°51	1°42	17°25	3°46	4°38	6°24	7°25	21°23	20°23	F 5
S 6	21 1 6	14°6'41	13°31	15°38	4°57	22°33	19°3	1°39	17°23	3°44	4°39	6°21	7°22	21°30	20°21	S 6
S 7	21 5 3	15°4'15	25°38	17°38	6°11	22°34	19°14	1°37	17°21	3°43	4°40	6°17	7°18	21°37	20°19	S 7
M 8	21 8 59	16°1'50	7♏53	19°38	7°25	22°35	19°26	1°35	17°19	3°41	4°41	6°15	7°15	21°43	20°17	M 8
T 9	21 12 56	16°59'26	20°19	21°36	8°39	22°R35	19°38	1°32	17°17	3°40	4°42	6°13	7°12	21°50	20°14	T 9
W10	21 16 53	17°57'04	2♏57	23°33	9°53	22°35	19°50	1°29	17°15	3°38	4°43	6°D12	7°9	21°57	20°12	W10
T 11	21 20 49	18°54'43	15°47	25°29	11°7	22°33	20°2	1°27	17°13	3°36	4°45	6°12	7°6	22°4	20°10	T 11
F 12	21 24 46	19°52'23	28°51	27°24	12°21	22°30	20°14	1°24	17°11	3°35	4°46	6°13	7°3	22°10	20°7	F 12
S 13	21 28 42	20°50'05	12♏8	29°17	13°35	22°27	20°26	1°21	17°9	3°33	4°47	6°14	6°59	22°17	20°5	S 13
S 14	21 32 39	21°47'49	25°38	1♏8	14°49	22°23	20°38	1°18	17°7	3°32	4°48	6°16	6°56	22°24	20°3	S 14
M15	21 36 35	22°45'34	9♏23	2°58	16°4	22°18	20°50	1°15	17°5	3°30	4°49	6°16	6°53	22°30	20°0	M15
T 16	21 40 32	23°43'21	23°22	4°47	17°18	22°12	21°2	1°12	17°3	3°29	4°50	6°R17	6°50	22°37	19°58	T 16
W17	21 44 28	24°41'10	7♏33	6°35	18°32	22°6	21°14	1°9	17°1	3°27	4°51	6°16	6°47	22°44	19°55	W17
T 18	21 48 25	25°39'00	21°56	8°21	19°46	21°59	21°27	1°5	16°58	3°26	4°52	6°16	6°43	22°51	19°53	T 18
F 19	21 52 22	26°36'53	6♎25	10°5	21°0	21°51	21°39	1°2	16°56	3°24	4°53	6°15	6°40	22°57	19°50	F 19
S 20	21 56 18	27°34'47	20°58	11°49	22°15	21°42	21°51	0°58	16°54	3°23	4°54	6°14	6°37	23°4	19°48	S 20
S 21	22 0 15	28°32'43	5♏27	13°31	23°29	21°32	22°3	0°55	16°52	3°21	4°55	6°13	6°34	23°11	19°45	S 21
M22	22 4 11	29°30'40	19°49	15°11	24°43	21°22	22°16	0°51	16°50	3°20	4°56	6°12	6°31	23°17	19°43	M22
T 23	22 8 8	0♏28'39	3♏57	16°51	25°58	21°11	22°28	0°48	16°47	3°19	4°57	6°D12	6°28	23°24	19°40	T 23
W24	22 12 4	1°26'40	17°47	18°29	27°12	20°59	22°41	0°44	16°45	3°17	4°58	6°12	6°24	23°31	19°37	W24
T 25	22 16 1	2°24'42	1♎16	20°6	28°26	20°47	22°53	0°40	16°43	3°16	4°59	6°12	6°21	23°38	19°35	T 25
F 26	22 19 57	3°22'45	14°24	21°41	29°41	20°34	23°6	0°36	16°40	3°14	5°0	6°13	6°18	23°44	19°32	F 26
S 27	22 23 54	4°20'50	27°12	23°15	0♏55	20°21	23°18	0°32	16°38	3°13	5°0	6°13	6°15	23°51	19°29	S 27
S 28	22 27 51	5°18'57	9♏40	24°48	2°10	20°7	23°31	0°28	16°36	3°12	5°1	6°13	6°12	23°58	19°27	S 28
M29	22 31 47	6°17'05	21°54	26°20	3°24	19°52	23°44	0°24	16°33	3°10	5°2	6°R13	6°8	24°5	19°24	M29
T 30	22 35 44	7°15'14	3♏56	27°51	4°39	19°38	23°56	0°20	16°31	3°9	5°3	6°D13	6°5	24°11	19°21	T 30
W31	22 39 40	8♏13'25	15♏51	29♏20	5♏53	19♏22	24♏9	0°Y16	16°R29	3°R8	5°R4	6°R13	6°R2	24°R18	19°R18	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	17n57	20s37	4s49	20n29	1n34	21n9	0n43	8s14	5s36	5n46	1n8	1s31	2s27	5s40	0s48	19s11
T 2	17 42	24 14	5 8	20 2	1 38	20 55	0 45	8 14	5 38	5 41	1 8	1 32	2 28	5 41	0 48	19 12
W 3	17 26	26 48	5 13	19 32	1 41	20 41	0 47	8 14	5 41	5 37	1 8	1 33	2 28	5 42	0 48	19 12
T 4	17 10	28 9	5 5	19 0	1 44	20 27	0 49	8 15	5 43	5 32	1 8	1 35	2 28	5 43	0 48	19 13
F 5	16 54	28 13	4 44	18 27	1 45	20 11	0 51	8 16	5 45	5 27	1 8	1 36	2 28	5 43	0 48	19 13
S 6	16 38	26 57	4 10	17 52	1 46	19 55	0 53	8 17	5 48	5 23	1 8	1 37	2 29	5 44	0 48	19 13
S 7	16 21	24 25	3 25	17 15	1 46	19 39	0 55	8 18	5 50	5 18	1 8	1 38	2 29	5 45	0 48	19 14
M 8	16 4	20 44	2 30	16 38	1 46	19 22	0 57	8 20	5 52	5 13	1 7	1 39	2 29	5 46	0 48	19 14
T 9	15 46	16 6	1 26	15 58	1 44	19 4	0 59	8 21	5 54	5 9	1 7	1 40	2 29	5 46	0 48	19 15
W10	15 29	10 43	0 18	15 18	1 43	18 46	1 0	8 24	5 56	5 4	1 7	1 42	2 30	5 47	0 48	19 15
T 11	15 11	4 48	0 8	14 37	1 40	18 28	1 2	8 26	5 58	4 59	1 7	1 43	2 30	5 48	0 48	19 15
F 12	14 53	1n24	2 2	13 56	1 38	18 9	1 4	8 28	5 59	4 54	1 7	1 44	2 30	5 49	0 48	19 16
S 13	14 35	7 39	3 6	13 13	1 34	17 49	1 5	8 31	6 1	4 50	1 7	1 46	2 30	5 50	0 48	19 16
S 14	14 16	13 39	4 0	12 30	1 31	17 29	1 7	8 34	6 2	4 45	1 7	1 47	2 31	5 50	0 48	19 16
M15	13 57	19 6	4 42	11 46	1 26	17 8	1 8	8 38	6 4	4 40	1 7	1 48	2 31	5 51	0 48	19 17
T 16	13 38	23 37	5 8	11 2	1 22	16 47	1 9	8 41	6 5	4 35	1 7	1 50	2 31	5 52	0 48	19 17
W17	13 19	26 48	5 16	10 18	1 17	16 25	1 11	8 45	6 6	4 30	1 7	1 51	2 31	5 53	0 48	19 18
T 18	13 0	28 18	5 4	9 34	1 11	16 3	1 12	8 48	6 7	4 25	1 7	1 53	2 31	5 54	0 48	19 18
F 19	12 40	27 53	4 34	8 49	1 6	15 41	1 13	8 53	6 8	4 20	1 7	1 54	2 32	5 55	0 48	19 18
S 20	12 20	25 33	3 45	8 4	1 0	15 18	1 14	8 57	6 9	4 16	1 7	1 56	2 32	5 56	0 49	19 19
S 21	12 0	21 34	2 42	7 19	0 54	14 54	1 16	9 1	6 10	4 11	1 7	1 58	2 32	5 56	0 49	19 19
M22	11 40	16 19	1 30	6 34	0 47	14 30	1 17	9 6	6 10	4 6	1 7	1 59	2 32	5 57	0 49	19 19
T 23	11 19	10 16	0 12	5 49	0 40	14 6	1 18	9 10	6 10	4 1	1 7	2 1	2 32	5 58	0 49	19 20
W24	10 59	3 52	1s4	5 5	0 33	13 42	1 18	9 15	6 11	3 56	1 7	2 2	2 33	5 59	0 49	19 20
T 25	10 38	2s34	2 15	4 40	0 26	13 17	1 19	9 20	6 11	3 51	1 7	2 4	2 33	6 0	0 49	19 20
F 26	10 17	8 42	3 16	3 36	0 19	12 51	1 20	9 25	6 10	3 46	1 6	2 6	2 33	6 1	0 49	19 21
S 27	9 56	14 19	4 6	2 52	0 12	12 26	1 21	9 30	6 10	3 41	1 6	2 7	2 33	6 2	0 49	19 21
S 28	9 35	19 13	4 44	2 8	0 4	12 0	1 22	9 35	6 10	3 36	1 6	2 9	2 33	6 3	0 49	19 21
M29	9 13	23 13	5 7	1 24	0s4	11 33	1 22	9 40	6 9	3 31	1 6	2 11	2 33	6 4	0 49	19 22
T 30	8 52	26 9	5 17	0 41	0 12	11 7	1 23	9 45	6 8	3 26	1 6	2 13	2 34	6 5	0 49	19 22
W31	8n30	27s55	5s12	0s2	0s20	10n40	1n23	9s50	6s7	3n21	1n6	2s14	2s34	6s6	0s49	19s22

Julian Day Number = 2331958.5, Delta T = 28.11 sec  
 Ecliptic obliquity = 23°29'03, Nutation = 0°00'07, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 20°10'12, Lahiri = 19°17'13Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1672  
geocentric

SEPTEMBER 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 43 37	9 <sup>h</sup> 11'38	27 <sup>h</sup> 44	0 <sup>h</sup> 48	7 <sup>h</sup> 8	19°R 7	24 <sup>h</sup> 22	0°R12	16°R26	3°R 7	5 <sup>h</sup> 5	6 <sup>h</sup> 13	5 <sup>h</sup> 59	24 <sup>h</sup> 25	19°R16	T 1
F 2	22 47 33	10° 9'52	9 <sup>h</sup> 39	2°14	8°22	18 <sup>h</sup> 51	24°35	0°Y 8	16 <sup>h</sup> 24	3 <sup>h</sup> 5	5° 5	6°14	5°56	24°31	19 <sup>h</sup> 13	F 2
S 3	22 51 30	11° 8'08	21°41	3°40	9°37	18°35	24°47	0° 4	16°21	3° 4	5° 6	6°14	5°53	24°38	19°10	S 3
S 4	22 55 26	12° 6'25	3 <sup>h</sup> 52	5° 4	10°51	18°18	25° 0	29 <sup>h</sup> 59	16°19	3° 3	5° 7	6°15	5°49	24°45	19° 7	S 4
M 5	22 59 23	13° 4'44	16°17	6°27	12° 6	18° 2	25°13	29°55	16°17	3° 2	5° 7	6°15	5°46	24°52	19° 4	M 5
T 6	23 3 20	14° 3'04	28°57	7°48	13°20	17°45	25°26	29°51	16°14	3° 1	5° 8	6°16	5°43	24°58	19° 2	T 6
W 7	23 7 16	15° 1'26	11 <sup>h</sup> 53	9° 8	14°35	17°29	25°39	29°46	16°12	3° 0	5° 9	6°R16	5°40	25° 5	18°59	W 7
T 8	23 11 13	15°59'50	25° 6	10°26	15°50	17°12	25°51	29°42	16° 9	2°59	5° 9	6°15	5°37	25°12	18°56	T 8
F 9	23 15 9	16°58'16	8 <sup>h</sup> Y34	11°43	17° 4	16°55	26° 4	29°37	16° 7	2°58	5°10	6°14	5°34	25°18	18°53	F 9
S 10	23 19 6	17°56'44	22°16	12°59	18°19	16°38	26°17	29°33	16° 5	2°56	5°10	6°13	5°30	25°25	18°50	S 10
S 11	23 23 2	18°55'15	6 <sup>h</sup> 8	14°12	19°34	16°22	26°30	29°28	16° 2	2°55	5°11	6°11	5°27	25°32	18°48	S 11
M12	23 26 59	19°53'47	20°12	15°24	20°48	16° 5	26°43	29°24	16° 0	2°54	5°12	6°10	5°24	25°39	18°45	M12
T 13	23 30 55	20°52'21	4 <sup>h</sup> II20	16°35	22° 3	15°49	26°56	29°19	15°57	2°53	5°12	6° 9	5°21	25°45	18°42	T 13
W14	23 34 52	21°50'58	18°32	17°43	23°18	15°33	27° 9	29°14	15°55	2°53	5°13	6°D 8	5°18	25°52	18°39	W14
T 15	23 38 49	22°49'37	2 <sup>h</sup> 54	18°49	24°32	15°17	27°22	29°10	15°53	2°52	5°13	6° 8	5°14	25°59	18°36	T 15
F 16	23 42 45	23°48'19	16°57	19°53	25°47	15° 2	27°35	29° 5	15°50	2°51	5°14	6° 9	5°11	26° 5	18°33	F 16
S 17	23 46 42	24°47'03	1 <sup>h</sup> Ω 5	20°55	27° 2	14°47	27°48	29° 0	15°48	2°50	5°14	6°10	5° 8	26°12	18°31	S 17
S 18	23 50 38	25°45'48	15° 7	21°55	28°17	14°32	28° 1	28°56	15°46	2°49	5°14	6°12	5° 5	26°19	18°28	S 18
M19	23 54 35	26°44'36	29° 0	22°52	29°32	14°18	28°14	28°51	15°43	2°48	5°15	6°12	5° 2	26°26	18°25	M19
T 20	23 58 31	27°43'26	12 <sup>h</sup> 43	23°46	0 <sup>h</sup> 46	14° 4	28°27	28°46	15°41	2°47	5°15	6°R12	4°59	26°32	18°22	T 20
W21	0 2 28	28°42'19	26°13	24°36	2° 1	13°51	28°40	28°42	15°39	2°47	5°15	6°11	4°55	26°39	18°19	W21
T 22	0 6 24	29°41'13	9 <sup>h</sup> Ω28	25°24	3°16	13°38	28°53	28°37	15°36	2°46	5°16	6° 9	4°52	26°46	18°17	T 22
F 23	0 10 21	0 <sup>h</sup> Ω40'09	22°27	26° 8	4°31	13°26	29° 6	28°32	15°34	2°45	5°16	6° 6	4°49	26°52	18°14	F 23
S 24	0 14 17	1°39'07	5 <sup>h</sup> III 9	26°48	5°46	13°15	29°19	28°28	15°32	2°45	5°16	6° 2	4°46	26°59	18°11	S 24
S 25	0 18 14	2°38'07	17°35	27°24	7° 1	13° 4	29°32	28°23	15°29	2°44	5°17	5°57	4°43	27° 6	18° 8	S 25
M26	0 22 11	3°37'09	29°48	27°55	8°15	12°54	29°45	28°18	15°27	2°43	5°17	5°53	4°40	27°13	18° 6	M26
T 27	0 26 7	4°36'13	11 <sup>h</sup> Y49	28°21	9°30	12°45	29°58	28°14	15°25	2°43	5°17	5°50	4°36	27°19	18° 3	T 27
W28	0 30 4	5°35'19	23°44	28°41	10°45	12°36	0 <sup>h</sup> Ω11	28° 9	15°23	2°42	5°17	5°48	4°33	27°26	18° 0	W28
T 29	0 34 0	6°34'26	5 <sup>h</sup> Ω36	28°56	12° 0	12°28	0°24	28° 4	15°20	2°42	5°17	5°D47	4°30	27°33	17°58	T 29
F 30	0 37 57	7 <sup>h</sup> Ω33'35	17 <sup>h</sup> Ω30	29 <sup>h</sup> Ω 4	13 <sup>h</sup> Ω15	12 <sup>h</sup> Y21	0 <sup>h</sup> Ω37	28 <sup>h</sup> Y 0	15 <sup>h</sup> Y18	2 <sup>h</sup> Ω41	5 <sup>h</sup> Ω17	5 <sup>h</sup> Y48	4 <sup>h</sup> Y27	27 <sup>h</sup> Y39	17 <sup>h</sup> Y55	F 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
T 1	8n 8	28s23	4s55	0s45	0s28	10n12	1n24	9s55	6s 6	3n15	1n 6	2s16	2s34	6s 7	0s49	19s22	0n 8	19n45	3s39	9s15	9s20	28s15	0s 3	4n34			
F 2	7 46	27 32	4 25	1 27	0 36	9 45	1 24	10 0	6 4	3 10	1 6	2 18	2 34	6 7	0 49	19 23	0 8	19 45	3 39	9 15	9 21	28 15	0 4	4 34			
S 3	7 24	25 24	3 43	2 8	0 44	9 17	1 24	10 5	6 3	3 5	1 6	2 20	2 34	6 8	0 49	19 23	0 8	19 45	3 39	9 14	9 22	28 15	0 5	4 34			
S 4	7 2	22 4	2 50	2 49	0 52	8 49	1 25	10 10	6 1	3 0	1 6	2 22	2 34	6 9	0 49	19 23	0 8	19 45	3 39	9 14	9 24	28 15	0 6	4 34			
M 5	6 40	17 43	1 48	3 29	1 1	8 20	1 25	10 15	5 59	2 55	1 6	2 24	2 34	6 10	0 49	19 24	0 8	19 45	3 39	9 14	9 25	28 15	0 8	4 34			
T 6	6 17	12 30	0 40	4 9	1 9	7 52	1 25	10 19	5 57	2 50	1 6	2 25	2 34	6 11	0 49	19 24	0 8	19 45	3 39	9 14	9 26	28 15	0 9	4 34			
W 7	5 55	6 38	0n31	4 48	1 17	7 23	1 25	10 24	5 55	2 45	1 6	2 27	2 35	6 12	0 49	19 24	0 8	19 45	3 39	9 14	9 27	28 15	0 10	4 34			
T 8	5 32	0 23	1 42	5 27	1 25	6 54	1 25	10 28	5 52	2 40	1 6	2 29	2 35	6 13	0 49	19 24	0 8	19 44	3 39	9 14	9 28	28 15	0 11	4 34			
F 9	5 9	6n 0	2 49	6 5	1 34	6 25	1 25	10 32	5 50	2 35	1 6	2 31	2 35	6 14	0 49	19 25	0 8	19 44	3 39	9 14	9 29	28 15	0 12	4 34			
S 10	4 46	12 12	3 48	6 42	1 42	5 56	1 25	10 36	5 47	2 29	1 6	2 33	2 35	6 15	0 49	19 25	0 8	19 44	3 39	9 15	9 31	28 14	0 13	4 34			
S 11	4 24	17 54	4 34	7 18	1 50	5 26	1 24	10 40	5 44	2 24	1 6	2 35	2 35	6 16	0 49	19 25	0 7	19 44	3 39	9 16	9 32	28 14	0 15	4 34			
M12	4 1	22 42	5 4	7 53	1 58	4 56	1 24	10 44	5 41	2 19	1 6	2 37	2 35	6 17	0 49	19 25	0 7	19 44	3 39	9 16	9 33	28 14	0 16	4 34			
T 13	3 37	26 13	5 15	8 28	2 6	4 26	1 24	10 47	5 38	2 14	1 6	2 39	2 35	6 18	0 49	19 26	0 7	19 44	3 39	9 16	9 34	28 14	0 17	4 34			
W14	3 14	28 6	5 8	9 1	2 14	3 56	1 23	10 50	5 34	2 9	1 6	2 41	2 35	6 19	0 49	19 26	0 7	19 44	3 39	9 17	9 35	28 14	0 18	4 34			
T 15	2 51	28 10	4 42	9 34	2 21	3 26	1 23	10 53	5 31	2 4	1 6	2 42	2 35	6 20	0 49	19 26	0 7	19 44	3 39	9 17	9 36	28 14	0 19	4 34			
F 16	2 28	26 22	3 59	10 5	2 29	2 56	1 22	10 56	5 27	1 59	1 6	2 44	2 35	6 20	0 49	19 26	0 7	19 44	3 39	9 16	9 38	28 14	0 20	4 33			
S 17	2 5	22 55	3 2	10 36	2 36	2 26	1 22	10 58	5 23	1 53	1 6	2 46	2 35	6 21	0 49	19 27	0 7	19 44	3 39	9 16	9 39	28 14	0 22	4 33			
S 18	1 41	18 9	1 54	11 4	2 43	1 55	1 21	11 0	5 19	1 48	1 6	2 48	2 35	6 22	0 49	19 27	0 7	19 44	3 39	9 15	9 40	28 14	0 23	4 33			
M19	1 18	12 28	0 40	11 32	2 50	1 25	1 20	11 2	5 15	1 43	1 6	2 50	2 35	6 23	0 49	19 27	0 7	19 44	3 39	9 15	9 41	28 14	0 24	4 33			
T 20	0 54	6 15	0s36	11 58	2 57	0 54	1 19	11 4	5 11	1 38	1 6	2 52	2 36	6 24	0 49	19 27	0 7	19 44	3 39	9 15	9 42	28 13	0 25	4 33			
W21	0 31	0s 9	1 48	12 23	3 3	0 24	1 19	11 5	5 7	1 33	1 6	2 54	2 36	6 25	0 49	19 27	0 7	19 44	3 39	9 15	9 43	28 13	0 26	4 33			
T 22	0 7	6 24	2 53	12 46	3 8	0s 7	1 18	11 6	5 3	1 28	1 6	2 56	2 36	6 26	0 49	19 28	0 7	19 44	3 39	9 16	9 45	28 13	0 28	4 33			
F 23	0s16	12 15	3 47	13 7	3 14	0 37	1 17	11 6	4 58	1 22	1 6	2 58	2 36	6 27	0 49	19 28	0 7	19 44	3 39	9 18	9 46	28 13	0 29	4 33			
S 24	0 40	17 29	4 29	13 26	3 19	1 8	1 16	11 7	4 54	1 17	1 6	3 0	2 36	6 28	0 49	19 28	0 7	19 44	3 39	9 19	9 47	28 13	0 30	4 33			
S 25	1 3	21 51	4 57	13 43	3 23	1 39	1 15	11 7	4 49	1 12	1 6	3 1	2 36	6 29	0 48	19 28	0 7	19 44	3 39	9 21	9 48	28 13	0 31	4 32			
M26	1 26	25 12	5 11	13 58	3 27	2 9	1 13	11 6	4 45	1 7	1 6	3 3	2 36	6 29	0 48	19 28	0 7	19 44	3 39	9 22	9 49	28 12	0 32	4 32			
T 27	1 50	27 23	5 11	14 10	3 30	2 40	1 12	11 6	4 40	1 2	1 6	3 5	2 36	6 30	0 48	19 28	0 7	19 44	3 39	9 23	9 50	28 12	0 33	4 32			
W28	2 13	28 17	4 58	14 20	3 32	3 11	1 11	11 5	4 35	0 57	1 6	3 7	2 36	6 31	0 48	19 28	0 7	19 44	3 39	9 24	9 52	28 12	0 35	4 32			
T 29	2 37	27 53	4 32	14 26	3 33	3 41	1 10	11 3	4 30	0 51	1 6	3 9	2 36	6 32	0 48	19 29	0 7	19 44	3 39	9 24	9 53	28 12	0 36	4 32			
F 30	3s 0	26s12	3s54	14s29	3s33	4s12	1n 8	11s 1	4s26	0n46	1n 6	3s11	2s36	6s33	0s48	19s29	0n 7	19n43	3s39	9s24	9s54	28s12	0s37	4n32			

ASTRODIENST EPHEMERIS for the year 1672  
geocentric

OCTOBER 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 41 53	8♂32'46	29♂31	29°R 6	14♂30	12°R15	0♂50	27°R55	15°R16	2°R41	5♂17	5♂49	4♂24	27♂46	17°R53	S 1
S 2	0 45 50	9°31'59	11♂44	29♂ 0	15°45	12♂ 9	1° 2	27♂51	15♂14	2♂41	5°18	5°51	4°20	27°53	17♂50	S 2
M 3	0 49 46	10°31'14	24°12	28°47	17° 0	12° 5	1°15	27°46	15°12	2°40	5°18	5°52	4°17	27°59	17°47	M 3
T 4	0 53 43	11°30'30	7♂ 1	28°25	18°15	12° 1	1°28	27°42	15°10	2°40	5°18	5°R53	4°14	28° 6	17°45	T 4
W 5	0 57 40	12°29'48	20°11	27°56	19°30	11°57	1°41	27°37	15° 8	2°40	5°R18	5°52	4°11	28°13	17°42	W 5
T 6	1 1 36	13°29'08	3°V43	27°18	20°44	11°55	1°54	27°33	15° 6	2°39	5°18	5°49	4° 8	28°20	17°40	T 6
F 7	1 5 33	14°28'30	17°36	26°32	21°59	11°53	2° 7	27°28	15° 4	2°39	5°18	5°45	4° 5	28°26	17°37	F 7
S 8	1 9 29	15°27'55	1♂47	25°39	23°14	11°52	2°20	27°24	15° 2	2°39	5°18	5°39	4° 1	28°33	17°35	S 8
S 9	1 13 26	16°27'21	16° 9	24°39	24°29	11°D52	2°33	27°20	15° 0	2°39	5°17	5°32	3°58	28°40	17°33	S 9
M10	1 17 22	17°26'50	0♂38	23°32	25°44	11°53	2°45	27°15	14°58	2°38	5°17	5°26	3°55	28°46	17°30	M10
T 11	1 21 19	18°26'21	15° 7	22°22	26°59	11°55	2°58	27°11	14°56	2°38	5°17	5°21	3°52	28°53	17°28	T 11
W12	1 25 15	19°25'54	29°31	21° 9	28°14	11°57	3°11	27° 7	14°54	2°38	5°17	5°17	3°49	29° 0	17°26	W12
T 13	1 29 12	20°25'30	13♂47	19°55	29°29	12° 0	3°24	27° 3	14°52	2°38	5°17	5°16	3°46	29° 7	17°23	T 13
F 14	1 33 9	21°25'08	27°51	18°42	0♂44	12° 4	3°36	26°59	14°50	2°D38	5°17	5°D15	3°42	29°13	17°21	F 14
S 15	1 37 5	22°24'48	11♂43	17°33	1°59	12° 9	3°49	26°55	14°49	2°38	5°16	5°16	3°39	29°20	17°19	S 15
S 16	1 41 2	23°24'31	25°24	16°30	3°14	12°14	4° 2	26°51	14°47	2°38	5°16	5°18	3°36	29°27	17°17	S 16
M17	1 44 58	24°24'16	8♂53	15°34	4°29	12°20	4°14	26°47	14°45	2°38	5°16	5°R18	3°33	29°33	17°15	M17
T 18	1 48 55	25°24'03	22°10	14°48	5°44	12°27	4°27	26°43	14°44	2°38	5°16	5°17	3°30	29°40	17°13	T 18
W19	1 52 51	26°23'52	5♂16	14°12	6°59	12°35	4°39	26°39	14°42	2°39	5°15	5°13	3°26	29°47	17°11	W19
T 20	1 56 48	27°23'43	18°11	13°46	8°14	12°43	4°52	26°36	14°40	2°39	5°15	5° 7	3°23	29°54	17° 9	T 20
F 21	2 0 44	28°23'36	0♂54	13°32	9°29	12°52	5° 4	26°32	14°39	2°39	5°15	4°58	3°20	0♂ 0	17° 7	F 21
S 22	2 4 41	29°23'31	13°25	13°D30	10°44	13° 2	5°17	26°29	14°37	2°39	5°14	4°48	3°17	0° 7	17° 5	S 22
S 23	2 8 38	0♂23'29	25°44	13°39	11°59	13°12	5°29	26°25	14°36	2°40	5°14	4°37	3°14	0°14	17° 3	S 23
M24	2 12 34	1°23'28	7♂52	13°58	13°14	13°23	5°41	26°22	14°34	2°40	5°13	4°27	3°11	0°20	17° 1	M24
T 25	2 16 31	2°23'28	19°51	14°27	14°29	13°35	5°54	26°18	14°33	2°40	5°13	4°17	3° 7	0°27	16°59	T 25
W26	2 20 27	3°23'31	1♂43	15° 6	15°44	13°48	6° 6	26°15	14°32	2°41	5°13	4°10	3° 4	0°34	16°58	W26
T 27	2 24 24	4°23'35	13°33	15°52	16°59	14° 1	6°18	26°12	14°30	2°41	5°12	4° 5	3° 1	0°41	16°56	T 27
F 28	2 28 20	5°23'41	25°24	16°46	18°14	14°15	6°30	26° 9	14°29	2°42	5°12	4° 3	2°58	0°47	16°54	F 28
S 29	2 32 17	6°23'48	7♂22	17°46	19°29	14°29	6°42	26° 6	14°28	2°42	5°11	4°D 2	2°55	0°54	16°53	S 29
S 30	2 36 13	7°23'57	19°31	18°52	20°44	14°44	6°55	26° 3	14°27	2°43	5°10	4° 3	2°51	1° 1	16°51	S 30
M31	2 40 10	8♂24'07	1♂58	20♂ 3	21♂59	15♂ 0	7♂ 7	26♂ 0	14♂26	2♂43	5♂10	4°R 3	2♂48	1♂ 7	16♂50	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	3s24	23s19	3s 5	14s29	3s33	4s42	1n 7	11s 0	4s21	0n41	1n 6	3s12	2s36	6s34	0s48	19s29
S 2	3 47	19 21	2 8	14 25	3 31	5 12	1 5	10 57	4 16	0 36	1 7	3 14	2 36	6 34	0 48	19 29
M 3	4 10	14 28	1 3	14 17	3 27	5 42	1 4	10 55	4 11	0 31	1 7	3 16	2 36	6 35	0 48	19 29
T 4	4 34	8 51	0n 6	14 5	3 22	6 12	1 2	10 52	4 6	0 26	1 7	3 18	2 36	6 36	0 48	19 29
W 5	4 57	2 43	1 17	13 48	3 16	6 42	1 1	10 48	4 1	0 21	1 7	3 20	2 35	6 37	0 48	19 29
T 6	5 20	3n42	2 25	13 27	3 8	7 12	0 59	10 45	3 57	0 16	1 7	3 21	2 35	6 38	0 48	19 29
F 7	5 43	10 6	3 27	13 1	2 57	7 42	0 57	10 41	3 52	0 11	1 7	3 23	2 35	6 38	0 48	19 29
S 8	6 6	16 8	4 17	12 30	2 46	8 11	0 55	10 37	3 47	0 6	1 7	3 25	2 35	6 39	0 48	19 29
S 9	6 29	21 21	4 51	11 55	2 32	8 41	0 54	10 32	3 42	0 1	1 7	3 26	2 35	6 40	0 48	19 29
M10	6 52	25 20	5 8	11 16	2 16	9 10	0 52	10 28	3 37	0s 4	1 7	3 28	2 35	6 40	0 48	19 30
T 11	7 14	27 42	5 4	10 34	1 59	9 39	0 50	10 23	3 33	0 10	1 7	3 30	2 35	6 41	0 48	19 30
W12	7 37	28 11	4 42	9 49	1 40	10 7	0 48	10 17	3 28	0 15	1 7	3 31	2 35	6 42	0 48	19 30
T 13	8 0	26 47	4 2	9 3	1 21	10 36	0 46	10 12	3 23	0 20	1 7	3 33	2 35	6 43	0 48	19 30
F 14	8 22	23 42	3 8	8 16	1 0	11 4	0 44	10 6	3 18	0 25	1 7	3 34	2 35	6 43	0 48	19 30
S 15	8 44	19 17	2 4	7 31	0 40	11 32	0 42	10 0	3 14	0 30	1 7	3 36	2 35	6 44	0 48	19 30
S 16	9 7	13 55	0 53	6 48	0 19	12 0	0 40	9 54	3 9	0 34	1 7	3 37	2 35	6 45	0 48	19 30
M17	9 29	7 58	0s19	6 8	0n 1	12 27	0 38	9 47	3 5	0 39	1 7	3 39	2 35	6 45	0 48	19 30
T 18	9 51	1 45	1 29	5 32	0 20	12 54	0 35	9 40	3 0	0 44	1 7	3 40	2 34	6 46	0 48	19 30
W19	10 12	4s27	2 34	5 1	0 38	13 21	0 33	9 33	2 56	0 49	1 7	3 41	2 34	6 46	0 48	19 30
T 20	10 34	10 22	3 29	4 36	0 55	13 47	0 31	9 26	2 51	0 54	1 8	3 43	2 34	6 47	0 48	19 30
F 21	10 55	15 45	4 13	4 17	1 10	14 13	0 29	9 19	2 47	0 59	1 8	3 44	2 34	6 48	0 48	19 30
S 22	11 17	20 24	4 44	4 4	1 23	14 39	0 26	9 11	2 43	1 4	1 8	3 45	2 34	6 48	0 48	19 30
S 23	11 38	24 5	5 1	3 56	1 35	15 5	0 24	9 3	2 38	1 9	1 8	3 47	2 34	6 49	0 48	19 29
M24	11 59	26 39	5 4	3 55	1 45	15 30	0 22	8 55	2 34	1 14	1 8	3 48	2 34	6 49	0 48	19 29
T 25	12 20	27 58	4 53	3 58	1 53	15 54	0 19	8 46	2 30	1 18	1 8	3 49	2 34	6 50	0 48	19 29
W26	12 40	27 59	4 30	4 7	1 59	16 19	0 17	8 38	2 26	1 23	1 8	3 50	2 33	6 50	0 48	19 29
T 27	13 1	26 42	3 56	4 20	2 5	16 42	0 15	8 29	2 22	1 28	1 8	3 51	2 33	6 51	0 48	19 29
F 28	13 21	24 13	3 11	4 38	2 8	17 6	0 12	8 20	2 18	1 33	1 8	3 53	2 33	6 51	0 48	19 29
S 29	13 41	20 41	2 17	4 58	2 11	17 29	0 10	8 11	2 14	1 37	1 8	3 54	2 33	6 52	0 48	19 29
S 30	14 0	16 12	1 17	5 22	2 12	17 51	0 7	8 1	2 10	1 42	1 8	3 55	2 33	6 52	0 48	19 29
M31	14s20	10s58	0s11	5s49	2n12	18s13	0n 5	7s52	2s 6	1s47	1n 9	3s56	2s33	6s52	0s48	19s29

Julian Day Number = 2332019.5, Delta T = 28.00 sec  
Ecliptic obliquity = 23°29'03, Nutation = 0°00'07, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 20°10'21, Lahiri = 19°17'21Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1672

## geocentric

NOVEMBER 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 44 7	9♉24°19	14♋47	21♊19	23♉14	15♋16	7♊18	25°R57	14°R25	2♊44	5°R 9	4°R 3	2♋45	1♊14	16°R48	T 1
W 2	2 48 3	10°24'33	28° 1	22°38	24°29	15°33	7°30	25♋55	14♋24	2°44	5♊9	4♋0	2°42	1°21	16♋47	W 2
T 3	2 52 0	11°24'48	11°Y42	24° 0	25°44	15°50	7°42	25°52	14°23	2°45	5° 8	3°55	2°39	1°27	16°45	T 3
F 4	2 55 56	12°25'04	25°51	25°24	26°59	16° 8	7°54	25°50	14°22	2°46	5° 7	3°48	2°36	1°34	16°44	F 4
S 5	2 59 53	13°25'22	10♊23	26°51	28°14	16°26	8° 6	25°47	14°21	2°46	5° 7	3°38	2°32	1°41	16°43	S 5
S 6	3 3 49	14°25'43	25°12	28°20	29°29	16°45	8°17	25°45	14°20	2°47	5° 6	3°27	2°29	1°48	16°42	S 6
M 7	3 7 46	15°26'04	10♊8	29°50	0♊44	17° 4	8°29	25°43	14°19	2°48	5° 5	3°16	2°26	1°54	16°41	M 7
T 8	3 11 42	16°26'28	25° 4	1♉21	1°59	17°24	8°41	25°41	14°18	2°49	5° 5	3° 7	2°23	2° 1	16°40	T 8
W 9	3 15 39	17°26'54	9♊50	2°53	3°14	17°45	8°52	25°39	14°18	2°50	5° 4	3° 0	2°20	2° 8	16°39	W 9
T 10	3 19 36	18°27'21	24°20	4°26	4°29	18° 5	9° 4	25°37	14°17	2°51	5° 3	2°55	2°17	2°14	16°38	T 10
F 11	3 23 32	19°27'51	8♊30	5°59	5°44	18°27	9°15	25°35	14°16	2°51	5° 2	2°53	2°13	2°21	16°37	F 11
S 12	3 27 29	20°28'22	22°21	7°33	6°59	18°48	9°26	25°33	14°16	2°52	5° 1	2°D53	2°10	2°28	16°36	S 12
S 13	3 31 25	21°28'55	5♊52	9° 8	8°14	19°10	9°37	25°32	14°15	2°53	5° 1	2°R53	2° 7	2°35	16°35	S 13
M14	3 35 22	22°29'29	19° 5	10°42	9°29	19°33	9°49	25°30	14°15	2°54	5° 0	2°52	2° 4	2°41	16°34	M14
T 15	3 39 18	23°30'06	2♊4	12°17	10°43	19°56	10° 0	25°29	14°14	2°55	4°59	2°49	2° 1	2°48	16°33	T 15
W16	3 43 15	24°30'44	14°51	13°52	11°58	20°19	10°11	25°27	14°14	2°57	4°58	2°43	1°57	2°55	16°33	W16
T 17	3 47 11	25°31'24	27°26	15°27	13°13	20°43	10°22	25°26	14°14	2°58	4°57	2°35	1°54	3° 1	16°32	T 17
F 18	3 51 8	26°32'05	9♊52	17° 2	14°28	21° 7	10°32	25°25	14°13	2°59	4°56	2°23	1°51	3° 8	16°32	F 18
S 19	3 55 5	27°32'48	22° 9	18°37	15°43	21°32	10°43	25°24	14°13	3° 0	4°55	2° 9	1°48	3°15	16°31	S 19
S 20	3 59 1	28°33'32	4♊18	20°11	16°58	21°57	10°54	25°23	14°13	3° 1	4°54	1°54	1°45	3°21	16°31	S 20
M21	4 2 58	29°34'18	16°19	21°46	18°13	22°22	11° 4	25°22	14°13	3° 2	4°53	1°39	1°42	3°28	16°30	M21
T 22	4 6 54	0♊35'05	28°14	23°21	19°28	22°48	11°15	25°22	14°13	3° 4	4°52	1°26	1°38	3°35	16°30	T 22
W23	4 10 51	1°35'53	10♊4	24°56	20°43	23°14	11°25	25°21	14°D13	3° 5	4°51	1°15	1°35	3°42	16°30	W23
T 24	4 14 47	2°36'42	21°52	26°30	21°58	23°40	11°36	25°21	14°13	3° 6	4°50	1° 7	1°32	3°48	16°30	T 24
F 25	4 18 44	3°37'33	3♊42	28° 5	23°13	24° 7	11°46	25°20	14°13	3° 8	4°49	1° 2	1°29	3°55	16°30	F 25
S 26	4 22 40	4°38'24	15°37	29°39	24°28	24°34	11°56	25°20	14°13	3° 9	4°48	1° 0	1°26	4° 2	16°30	S 26
S 27	4 26 37	5°39'16	27°43	1♊14	25°43	25° 1	12° 6	25°20	14°13	3°10	4°47	0°59	1°23	4° 8	16°D30	S 27
M28	4 30 34	6°40'09	10♊4	2°48	26°58	25°29	12°16	25°D20	14°14	3°12	4°46	0°59	1°19	4°15	16°30	M28
T 29	4 34 30	7°41'02	22°47	4°22	28°13	25°56	12°26	25°20	14°14	3°13	4°45	0°59	1°16	4°22	16°30	T 29
W30	4 38 27	8♊41'56	5°Y56	5♊56	29♊28	26♊25	12♊36	25♊20	14♊14	3♊15	4♊44	0♊56	1♊13	4♊28	16♊30	W30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	14s39	5s 8	0n57	6s18	2n12	18s35	0n 2	7s42	2s 2	1s51	1n 9	3s57	2s32	6s53	0s48	19s29
W 2	14 58	1n 6	2 4	6 48	2 10	18 56	0s 0	7 32	1 59	1 56	1 9	3 57	2 32	6 53	0 48	19 29
T 3	15 17	7 29	3 6	7 21	2 8	19 16	0 3	7 22	1 55	2 0	1 9	3 58	2 32	6 53	0 47	19 28
F 4	15 36	13 42	3 59	7 54	2 5	19 36	0 5	7 12	1 51	2 5	1 9	3 59	2 32	6 54	0 47	19 28
S 5	15 54	19 21	4 37	8 29	2 1	19 56	0 8	7 1	1 48	2 10	1 9	4 0	2 32	6 54	0 47	19 28
S 6	16 12	25 55	4 58	9 5	1 57	20 15	0 10	6 51	1 44	2 14	1 9	4 1	2 32	6 54	0 47	19 28
M 7	16 30	26 57	4 59	9 41	1 52	20 33	0 13	6 40	1 41	2 19	1 9	4 1	2 31	6 55	0 47	19 28
T 8	16 47	28 3	4 40	10 17	1 47	20 51	0 15	6 29	1 38	2 23	1 9	4 2	2 31	6 55	0 47	19 28
W 9	17 4	27 8	4 2	10 54	1 42	21 8	0 18	6 18	1 34	2 27	1 10	4 3	2 31	6 55	0 47	19 27
T 10	17 21	24 23	3 9	11 30	1 36	21 24	0 20	6 7	1 31	2 32	1 10	4 3	2 31	6 55	0 47	19 27
F 11	17 38	20 11	2 5	12 7	1 31	21 40	0 23	5 55	1 28	2 36	1 10	4 4	2 31	6 56	0 47	19 27
S 12	17 54	14 58	0 56	12 44	1 24	21 56	0 25	5 44	1 25	2 40	1 10	4 4	2 30	6 56	0 47	19 27
S 13	18 10	9 8	0s16	13 20	1 18	22 10	0 28	5 33	1 22	2 45	1 10	4 5	2 30	6 56	0 47	19 27
M14	18 26	3 2	1 25	13 56	1 12	22 25	0 30	5 21	1 19	2 49	1 10	4 5	2 30	6 56	0 47	19 26
T 15	18 41	3s 5	2 28	14 31	1 5	22 38	0 33	5 9	1 16	2 53	1 10	4 5	2 30	6 56	0 47	19 26
W16	18 56	8 58	3 22	15 6	0 58	22 51	0 35	4 57	1 13	2 57	1 10	4 6	2 30	6 56	0 47	19 26
T 17	19 11	14 24	4 6	15 41	0 51	23 3	0 37	4 45	1 10	3 2	1 11	4 6	2 29	6 56	0 47	19 26
F 18	19 25	19 10	4 37	16 14	0 45	23 14	0 40	4 33	1 7	3 6	1 11	4 6	2 29	6 56	0 47	19 25
S 19	19 39	23 5	4 55	16 47	0 38	23 25	0 42	4 21	1 4	3 10	1 11	4 7	2 29	6 57	0 47	19 25
S 20	19 53	25 56	4 59	17 20	0 31	23 35	0 45	4 8	1 1	3 14	1 11	4 7	2 29	6 57	0 47	19 25
M21	20 6	27 35	4 50	17 51	0 24	23 44	0 47	3 56	0 59	3 18	1 11	4 7	2 28	6 57	0 47	19 25
T 22	20 19	27 56	4 28	18 22	0 17	23 53	0 49	3 43	0 56	3 22	1 11	4 7	2 28	6 57	0 47	19 24
W23	20 31	27 0	3 54	18 52	0 10	24 1	0 51	3 30	0 53	3 26	1 11	4 7	2 28	6 57	0 47	19 24
T 24	20 43	24 50	3 11	19 21	0 3	24 8	0 54	3 18	0 51	3 30	1 12	4 7	2 28	6 56	0 47	19 24
F 25	20 55	21 37	2 19	19 50	0s 4	24 14	0 56	3 5	0 48	3 34	1 12	4 7	2 28	6 56	0 47	19 24
S 26	21 6	17 28	1 20	20 17	0 10	24 20	0 58	2 52	0 46	3 37	1 12	4 7	2 27	6 56	0 47	19 23
S 27	21 17	12 34	0 17	20 43	0 17	24 25	1 0	2 39	0 43	3 41	1 12	4 7	2 27	6 56	0 47	19 23
M28	21 28	7 4	0n48	21 9	0 24	24 29	1 2	2 26	0 41	3 45	1 12	4 6	2 27	6 56	0 46	19 23
T 29	21 38	1 9	1 53	21 33	0 30	24 33	1 4	2 12	0 39	3 49	1 12	4 6	2 27	6 56	0 46	19 22
W30	21s48	5n 1	2n53	21s56	0s36	24s35	1s 7	1s59	0s36	3s52	1n13	4s 6	2s26	6s56	0s46	19s22

Julian Day Number = 2332050.5, Delta T = 27.95 sec

Ecliptic obliquity = 23°29'03, Nutation = 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°10'25, Lahiri = 19°17'25Greg. Calendar

# ASTRODIENST EPHEMERIS for the year 1672

## geocentric

DECEMBER 1672 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 42 23	9°42'52	19°34	7°31	0°43	26°53	12°45	25°20	14°15	3°16	4°R43	0°R51	1°10	4°35	16°30	T 1
F 2	4 46 20	10°43'48	3°43	9° 5	1°57	27°22	12°55	25°21	14°15	3°18	4°42	0°44	1° 7	4°42	16°30	F 2
S 3	4 50 16	11°44'44	18°21	10°39	3°12	27°51	13° 4	25°21	14°16	3°19	4°41	0°34	1° 3	4°49	16°31	S 3
S 4	4 54 13	12°45'42	3°11	12°13	4°27	28°20	13°13	25°22	14°16	3°21	4°40	0°23	1° 0	4°55	16°31	S 4
M 5	4 58 10	13°46'40	18°35	13°48	5°42	28°49	13°23	25°23	14°17	3°23	4°39	0°11	0°57	5° 2	16°32	M 5
T 6	5 2 6	14°47'40	3°51	15°22	6°57	29°19	13°32	25°24	14°17	3°24	4°37	0° 1	0°54	5° 9	16°32	T 6
W 7	5 6 3	15°48'40	18°59	16°56	8°12	29°49	13°41	25°25	14°18	3°26	4°36	29°53	0°51	5°15	16°33	W 7
T 8	5 9 59	16°49'42	3°19	18°31	9°27	0°19	13°50	25°26	14°19	3°28	4°35	29°48	0°48	5°22	16°33	T 8
F 9	5 13 56	17°50'44	18°16	20° 5	10°41	0°49	13°58	25°27	14°20	3°29	4°34	29°46	0°44	5°29	16°34	F 9
S 10	5 17 52	18°51'47	2°17	21°40	11°56	1°20	14° 7	25°28	14°20	3°31	4°33	29°D46	0°41	5°35	16°35	S 10
S 11	5 21 49	19°52'51	15°52	23°15	13°11	1°51	14°16	25°29	14°21	3°33	4°32	29°R46	0°38	5°42	16°36	S 11
M12	5 25 45	20°53'56	29° 4	24°50	14°26	2°22	14°24	25°31	14°22	3°34	4°30	29°46	0°35	5°49	16°36	M12
T 13	5 29 42	21°55'02	11°56	26°25	15°40	2°53	14°32	25°33	14°23	3°36	4°29	29°44	0°32	5°56	16°37	T 13
W14	5 33 39	22°56'09	24°32	28° 0	16°55	3°24	14°40	25°34	14°24	3°38	4°28	29°39	0°29	6° 2	16°38	W14
T 15	5 37 35	23°57'16	6°54	29°36	18°10	3°56	14°49	25°36	14°26	3°40	4°27	29°32	0°25	6° 9	16°39	T 15
F 16	5 41 32	24°58'25	19° 7	1°11	19°25	4°27	14°56	25°38	14°27	3°42	4°26	29°22	0°22	6°16	16°40	F 16
S 17	5 45 28	25°59'34	1°12	2°47	20°39	4°59	15° 4	25°40	14°28	3°44	4°24	29°11	0°19	6°22	16°42	S 17
S 18	5 49 25	27° 0'43	13°11	4°23	21°54	5°31	15°12	25°42	14°29	3°46	4°23	28°58	0°16	6°29	16°43	S 18
M19	5 53 21	28° 1'53	25° 6	5°59	23° 9	6° 4	15°19	25°44	14°30	3°48	4°22	28°45	0°13	6°36	16°44	M19
T 20	5 57 18	29° 3'04	6°37	7°36	24°24	6°36	15°27	25°47	14°32	3°49	4°21	28°34	0° 9	6°42	16°45	T 20
W21	6 1 14	0°3'14	18°47	9°12	25°38	7° 9	15°34	25°49	14°33	3°51	4°19	28°25	0° 6	6°49	16°47	W21
T 22	6 5 11	1° 5'25	0°36	10°48	26°53	7°41	15°41	25°52	14°35	3°53	4°18	28°18	0° 3	6°56	16°48	T 22
F 23	6 9 8	2° 6'36	12°28	12°25	28° 8	8°14	15°48	25°54	14°36	3°55	4°17	28°14	29°59	7° 3	16°50	F 23
S 24	6 13 4	3° 7'47	24°26	14° 2	29°22	8°47	15°55	25°57	14°38	3°57	4°16	28°D12	29°57	7° 9	16°51	S 24
S 25	6 17 1	4° 8'58	6°33	15°38	0°37	9°21	16° 2	26° 0	14°39	3°59	4°15	28°13	29°54	7°16	16°53	S 25
M26	6 20 57	5°10'09	18°53	17°15	1°51	9°54	16° 8	26° 3	14°41	4° 1	4°13	28°14	29°50	7°23	16°54	M26
T 27	6 24 54	6°11'19	1°32	18°51	3° 6	10°27	16°14	26° 6	14°43	4° 4	4°12	28°R15	29°47	7°29	16°56	T 27
W28	6 28 50	7°12'29	14°34	20°27	4°20	11° 1	16°21	26° 9	14°44	4° 6	4°11	28°14	29°44	7°36	16°58	W28
T 29	6 32 47	8°13'39	28° 2	22° 3	5°35	11°35	16°27	26°12	14°46	4° 8	4°10	28°12	29°41	7°43	16°59	T 29
F 30	6 36 43	9°14'49	12° 0	23°38	6°49	12° 9	16°33	26°16	14°48	4°10	4° 8	28° 8	29°38	7°49	17° 1	F 30
S 31	6 40 40	10°15'58	26°27	25°12	8° 4	12°43	16°48	26°19	14°50	4°12	4° 7	28° 2	29°35	7°56	17° 3	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s57	11n10	3n47	22s18	0s43	24s37	1s 9	1s46	0s34	3s56	1n13	4s 5	2s26	6s56	0s46	19s22
F 2	22 6 16 59	4 28 22 39	0 49	24 39	1 10	1 32	0 32	3 59	1 13	4 5	2 26	6 55	0 46	19 21	0 6	19 44
S 3	22 14 22 1	4 54 22 59	0 55	24 39	1 12	1 19	0 30	4 3	1 13	4 5	2 26	6 55	0 46	19 21	0 6	19 44
S 4	22 22 25 46	5 0 23 18	1 1	24 39	1 14	1 5	0 27	4 6	1 13	4 4	2 26	6 55	0 46	19 21	0 6	19 44
M 5	22 30 27 44	4 46 23 36	1 6	24 38	1 16	0 51	0 25	4 10	1 13	4 4	2 25	6 55	0 46	19 20	0 6	19 44
T 6	22 37 27 36	4 10 23 52	1 12	24 36	1 18	0 38	0 23	4 13	1 14	4 3	2 25	6 54	0 46	19 20	0 6	19 44
W 7	22 44 25 24	3 18 24 8	1 17	24 33	1 20	0 24	0 21	4 16	1 14	4 3	2 25	6 54	0 46	19 19	0 6	19 44
T 8	22 50 21 29	2 13 24 21	1 23	24 30	1 21	0 10	0 19	4 20	1 14	4 2	2 25	6 54	0 46	19 19	0 6	19 44
F 9	22 56 16 21	1 1 24 34	1 28	24 26	1 23	0n 4	0 17	4 23	1 14	4 1	2 24	6 53	0 46	19 19	0 6	19 44
S 10	23 1 10 29	0s13 24 45	1 32	24 21	1 24	0 18	0 15	4 26	1 14	4 1	2 24	6 53	0 46	19 18	0 6	19 44
S 11	23 6 4 17	1 24 24 56	1 37	24 15	1 26	0 32	0 13	4 29	1 15	4 0	2 24	6 53	0 46	19 18	0 6	19 45
M12	23 10 1s54	2 29 25 4	1 41	24 9	1 27	0 46	0 12	4 32	1 15	3 59	2 24	6 52	0 46	19 17	0 6	19 45
T 13	23 14 7 51	3 24 25 11	1 45	24 2	1 29	1 0	0 10	4 35	1 15	3 58	2 23	6 52	0 46	19 17	0 6	19 45
W14	23 18 13 22	4 8 25 17	1 49	23 54	1 30	1 14	0 8	4 38	1 15	3 57	2 23	6 51	0 46	19 17	0 6	19 45
T 15	23 21 18 15	4 40 25 22	1 53	23 46	1 32	1 28	0 6	4 41	1 15	3 56	2 23	6 51	0 46	19 16	0 6	19 45
F 16	23 23 22 18	4 58 25 25	1 56	23 36	1 33	1 42	0 4	4 44	1 16	3 55	2 23	6 50	0 46	19 16	0 6	19 45
S 17	23 25 25 22	5 2 25 26	1 59	23 26	1 34	1 57	0 3	4 47	1 16	3 54	2 23	6 50	0 46	19 15	0 6	19 45
S 18	23 27 27 17	4 53 25 26	2 2	23 16	1 35	2 11	0 1	4 50	1 16	3 53	2 22	6 49	0 46	19 15	0 6	19 45
M19	23 28 27 55	4 32 25 25	2 4	23 4	1 36	2 25	0n 1	4 52	1 16	3 52	2 22	6 49	0 46	19 15	0 6	19 45
T 20	23 29 27 16	3 58 25 22	2 6	22 52	1 37	2 39	0 2	4 55	1 16	3 51	2 22	6 48	0 46	19 14	0 6	19 45
W21	23 29 25 23	3 15 25 17	2 8	22 39	1 38	2 54	0 4	4 58	1 17	3 50	2 22	6 48	0 46	19 14	0 6	19 45
T 22	23 29 22 22	2 22 25 11	2 9	22 26	1 39	3 8	0 5	5 0	1 17	3 49	2 21	6 47	0 46	19 13	0 6	19 45
F 23	23 28 18 26	1 23 25 3	2 10	22 12	1 39	3 23	0 7	5 3	1 17	3 47	2 21	6 46	0 46	19 13	0 6	19 46
S 24	23 27 13 43	0 20 24 54	2 10	21 57	1 40	3 37	0 8	5 5	1 17	3 46	2 21	6 46	0 45	19 12	0 6	19 46
S 25	23 25 8 26	0n45 24 43	2 10	21 42	1 41	3 52	0 10	5 7	1 18	3 45	2 21	6 45	0 45	19 12	0 6	19 46
M26	23 23 2 44	1 49 24 31	2 10	21 26	1 41	4 6	0 11	5 10	1 18	3 43	2 21	6 44	0 45	19 11	0 6	19 46
T 27	23 20 3n12	2 49 24 17	2 8	21 9	1 42	4 20	0 13	5 12	1 18	3 42	2 20	6 44	0 45	19 11	0 6	19 46
W28	23 17 9 11	3 43 24 1	2 7	20 52	1 42	4 35	0 14	5 14	1 18	3 41	2 20	6 43	0 45	19 10	0 6	19 46
T 29	23 14 14 56	4 26 23 44	2 5	20 34	1 43	4 49	0 15	5 16	1 18	3 39	2 20	6 42	0 45	19 10	0 6	19 46
F 30	23 10 20 9	4 56 23 25	2 2	20 16	1 43	5 4	0 17	5 18	1 19	3 38	2 20	6 42	0 45	19 9	0 6	19 46
S 31	23s 5 24n23	5n 8 23s 4	1s58	19s57	1s43	5n18	0n18	5s20	1n19	3s36	2s20	6s41	0s45	19s 9	0n 6	19n46

Julian Day Number = 2332080.5, Delta T = 27.90 sec  
 Ecliptic obliquity = 23°29'02, Nutation = 0°00'07, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 20°10'29, Lahiri = 19°17'29Greg. Calendar