

SWISS EPHEMERIS for the year 1660

JANUARY 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	6 41 15	10°25'25"	17°01'	27°00'	19°01'	2°R 6	13°R54	9M57	25°04'	6°40'	19°R49	12°R11	11M 0	18°047	13°011
F 2	6 45 12	11°26'34"	29° 0	28°29'	20°17'	2II 2	13M53	10° 2	25° 8	6°42'	19II48	12M 2	10°57'	18°54	13°17
S 3	6 49 9	12°27'43"	11M 5	29°56'	21°32'	1°58	13°52	10° 6	25°11	6°45'	19°46	11°55	10°54	19° 1	13°22
S 4	6 53 5	13°28'52"	23°20'	1°21'	22°47'	1°56	13°52	10°11	25°15	6°47'	19°45	11°50	10°51	19° 7	13°28
M 5	6 57 2	14°30'01"	5°49'	2°43'	24° 3	1°54	13°50	10°15	25°18	6°49'	19°44	11°48	10°47	19°14	13°34
T 6	7 0 58	15°31'10"	18°37'	4° 1	25°18'	1°53	13°49	10°19	25°21	6°51'	19°43	11°D47	10°44	19°21	13°40
W 7	7 4 55	16°32'19"	1M48	5°15'	26°33'	1°D53	13°48	10°24	25°25	6°54'	19°42	11°48	10°41	19°28	13°45
T 8	7 8 51	17°33'28"	15°25'	6°25'	27°49'	1°54	13°46	10°28	25°28	6°56'	19°41	11°R48	10°38	19°34	13°51
F 9	7 12 48	18°34'37"	29°31'	7°29'	29° 4	1°55	13°44	10°32	25°32	6°58'	19°40	11°47	10°35	19°41	13°57
S 10	7 16 44	19°35'46"	14M 5	8°28'	0°19'	1°57	13°42	10°36	25°36	7° 0	19°39	11°43	10°32	19°48	14° 3
S 11	7 20 41	20°36'55"	29° 3	9°19'	1°35'	2° 0	13°39	10°40	25°39	7° 3	19°38	11°37	10°28	19°55	14° 8
M12	7 24 38	21°38'03"	14°18'	10° 2	2°50'	2° 4	13°37	10°44	25°43	7° 5	19°37	11°28	10°25	20° 1	14°14
T 13	7 28 34	22°39'10"	29°40'	10°36'	4° 5	2° 8	13°34	10°47	25°46	7° 7	19°36	11°17	10°22	20° 8	14°20
W14	7 32 31	23°40'18"	14°56'	11° 1	5°21'	2°13	13°31	10°51	25°50	7° 9	19°35	11° 6	10°19	20°15	14°25
T 15	7 36 27	24°41'24"	29°56'	11°16'	6°36'	2°19	13°28	10°55	25°53	7°11	19°34	10°56	10°16	20°21	14°31
F 16	7 40 24	25°42'29"	14M31	11°R19	7°51'	2°25	13°25	10°58	25°57	7°14	19°33	10°48	10°13	20°28	14°37
S 17	7 44 20	26°43'33"	28°37'	11°11'	9° 6	2°32	13°22	11° 1	26° 0	7°16	19°32	10°43	10° 9	20°35	14°42
S 18	7 48 17	27°44'37"	12M13	10°51'	10°22'	2°40	13°18	11° 5	26° 4	7°18	19°32	10°40	10° 6	20°42	14°48
M19	7 52 13	28°45'39"	25°21'	10°20'	11°37'	2°49	13°14	11° 8	26° 7	7°20	19°31	10°D39	10° 3	20°48	14°53
T 20	7 56 10	29°46'41"	8° 4	9°38'	12°52'	2°58	13°10	11°11	26°11	7°22	19°30	10°R39	10° 0	20°55	14°59
W21	8 0 7	0°47'41"	20°28'	8°46'	14° 7	3° 7	13° 6	11°14	26°14	7°24	19°29	10°39	9°57	21° 2	15° 5
T 22	8 4 3	1°48'40"	2II37	7°46'	15°22'	3°18	13° 2	11°17	26°18	7°27	19°28	10°37	9°53	21° 8	15°10
F 23	8 8 0	2°49'38"	14°37'	6°38'	16°38'	3°29	12°58	11°20	26°21	7°29	19°27	10°33	9°50	21°15	15°16
S 24	8 11 56	3°50'35"	26°30'	5°27'	17°53'	3°40	12°53	11°23	26°25	7°31	19°27	10°25	9°47	21°22	15°21
S 25	8 15 53	4°51'31"	8°21'	4°12'	19° 8	3°52	12°48	11°25	26°28	7°33	19°26	10°15	9°44	21°29	15°27
M26	8 19 49	5°52'25"	20°12'	2°57'	20°23'	4° 5	12°43	11°28	26°32	7°35	19°25	10° 2	9°41	21°35	15°32
T 27	8 23 46	6°53'19"	2M 5	1°44'	21°38'	4°18	12°38	11°30	26°35	7°37	19°24	9°48	9°38	21°42	15°38
W28	8 27 42	7°54'11"	14° 2	0°35'	22°53'	4°31	12°33	11°33	26°39	7°39	19°23	9°33	9°34	21°49	15°43
T 29	8 31 39	8°55'03"	26° 2	29°030	24° 8	4°46	12°28	11°35	26°42	7°41	19°23	9°18	9°31	21°55	15°48
F 30	8 35 36	9°55'53"	8M 8	28°33'	25°23'	5° 0	12°22	11°37	26°46	7°43	19°22	9° 6	9°28	22° 2	15°54
S 31	8 39 32	10°56'42"	20M21	27°042	26°38'	5II15	12M16	11M39	26°49	7°45	19II21	8M55	9M25	22° 9	15°59

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat										
T 1	23s 4	10m57	5s 3	22s34	1s49	23s12	1s 4	23n12	2n38	7n29	1n14	12s37	2n19	21s39	0s30	22s24	0n55	15n23	7s44	15s31	15s 9	17n26	16s35	6n17	
F 2	22 59	7 18	4 51	22 11	1 43	23 2	1 6	23 12	2 39	7 29	1 14	12 39	2 19	21 39	0 30	22 24	0 55	15 23	7 43	15 28	15 8	17 25	16 34	6 17	
S 3	22 54	3 19	4 26	21 46	1 36	22 52	1 8	23 11	2 39	7 30	1 14	12 40	2 20	21 38	0 30	22 24	0 55	15 23	7 43	15 26	15 7	17 24	16 33	6 17	
S 4	22 48	0s51	3 49	21 20	1 29	22 41	1 9	23 11	2 39	7 31	1 15	12 41	2 20	21 37	0 30	22 24	0 55	15 23	7 43	15 25	15 6	17 23	16 33	6 17	
M 5	22 41	5 4	2 59	20 53	1 20	22 30	1 11	23 11	2 39	7 31	1 15	12 42	2 20	21 37	0 30	22 24	0 55	15 23	7 43	15 24	15 5	17 21	16 32	6 17	
T 6	22 35	9 10	2 0	20 26	1 11	22 18	1 12	23 11	2 39	7 32	1 15	12 43	2 20	21 36	0 30	22 24	0 55	15 23	7 43	15 24	15 4	17 20	16 32	6 17	
W 7	22 27	12 57	0 53	19 58	1 0	22 5	1 14	23 11	2 39	7 33	1 16	12 45	2 20	21 36	0 30	22 24	0 55	15 23	7 43	15 24	15 3	17 19	16 31	6 17	
T 8	22 20	16 11	0n19	19 30	0 49	21 52	1 15	23 11	2 39	7 34	1 16	12 46	2 21	21 35	0 30	22 23	0 55	15 23	7 43	15 24	15 2	17 18	16 30	6 17	
F 9	22 11	18 34	1 33	19 1	0 37	21 38	1 17	23 11	2 39	7 35	1 16	12 47	2 21	21 34	0 30	22 23	0 55	15 24	7 43	15 24	15 1	17 17	16 30	6 17	
S 10	22 3	19 50	2 43	18 33	0 23	21 23	1 18	23 11	2 39	7 36	1 16	12 48	2 21	21 34	0 30	22 23	0 55	15 24	7 42	15 23	15 0	17 15	16 29	6 17	
S 11	21 54	19 46	3 43	18 6	0 9	21 8	1 19	23 12	2 39	7 37	1 17	12 49	2 21	21 33	0 30	22 23	0 55	15 24	7 42	15 21	14 59	17 14	16 29	6 17	
M12	21 44	18 15	4 29	17 40	0n	6	20 52	1 20	23 13	2 39	7 38	1 17	12 50	2 21	21 32	0 30	22 23	0 55	15 24	7 42	15 18	14 58	17 13	16 28	6 17
T 13	21 34	15 26	4 56	17 15	0 23	20 35	1 21	23 13	2 39	7 39	1 17	12 51	2 22	21 32	0 30	22 23	0 55	15 24	7 42	15 15	14 57	17 11	16 27	6 17	
W14	21 24	11 35	5 1	16 52	0 40	20 18	1 22	23 14	2 39	7 41	1 18	12 52	2 22	21 31	0 30	22 23	0 55	15 24	7 42	15 11	14 56	17 10	16 26	6 18	
T 15	21 13	7 3	4 45	16 31	0 57	20 0	1 23	23 15	2 39	7 42	1 18	12 53	2 22	21 30	0 30	22 23	0 55	15 24	7 42	15 8	14 55	17 9	16 26	6 18	
F 16	21 2	2 14	4 12	16 12	1 15	19 42	1 24	23 16	2 38	7 44	1 18	12 53	2 22	21 30	0 30	22 22	0 55	15 24	7 42	15 5	14 54	17 8	16 25	6 18	
S 17	20 51	2n33	3 23	15 57	1 34	19 23	1 25	23 17	2 38	7 45	1 18	12 54	2 22	21 29	0 30	22 22	0 55	15 24	7 41	15 4	14 53	17 6	16 24	6 18	
S 18	20 39	7 3	2 25	15 45	1 52	19 3	1 26	23 19	2 38	7 47	1 19	12 55	2 23	21 28	0 30	22 22	0 55	15 24	7 41	15 3	14 52	17 5	16 24	6 18	
M19	20 27	11 4	1 20	15 36	2 10	18 43	1 27	23 20	2 38	7 49	1 19	12 56	2 23	21 28	0 30	22 22	0 55	15 24	7 41	15 3	14 51	17 4	16 23	6 18	
T 20	20 14	14 26	0 14	15 31	2 27	18 23	1 27	23 21	2 37	7 50	1 19	12 57	2 23	21 27	0 30	22 22	0 55	15 24	7 41	15 3	14 50	17 3	16 22	6 18	
W21	20 1	17 4	0s52	15 29	2 43	18 1	1 28	23 23	2 37	7 52	1 19	12 57	2 23	21 26	0 30	22 22	0 55	15 24	7 41	15 3	14 49	17 1	16 21	6 19	
T 22	19 48	18 52	1 53	15 30	2 57	17 40	1 29	23 25	2 37	7 54	1 20	12 58	2 23	21 26	0 31	22 22	0 55	15 25	7 41	15 2	14 48	17 0	16 21	6 19	
F 23	19 34	19 47	2 49	15 35	3 10	17 18	1 29	23 26	2 36	7 56	1 20	12 59	2 24	21 25	0 31	22 22	0 55	15 25	7 40	15 1	14 47	16 59	16 20	6 19	
S 24	19 20	19 49	3 37	15 42	3 21	16 55	1 30	23 28	2 36	7 58	1 20	12 59	2 24	21 24	0 31	22 22	0 55	15 25	7 40	14 58	14 46	16 57	16 19	6 19	
S 25	19 5	18 59	4 15	15 52	3 29	16 32	1 30	23 30	2 35	8 0	1 20	13 0	2 24	21 24	0 31	22 21	0 55	15 25	7 40	14 55	14 45	16 56	16 18	6 19	
M26	18 50	17 19	4 42	16 3	3 34	16 9	1 30	23 32	2 35	8 2	1 21	13 1	2 24	21 23	0 31	22 21	0 55	15 25	7 40	14 51	14 44	16 55	16 17	6 19	
T 27	18 35	14 55	4 57	16 16	3 37	15 45	1 30	23 34	2 35	8 4	1 21	13 1	2 25	21 22	0 31	22 21	0 55	15 25	7 40	14 47	14 43	16 54	16 17	6 20	
W28	18 19	11 53	4 58	16 31	3 38	15 20	1 31	23 36	2 34	8 7	1 21	13 2	2 25	21 22	0 31	22 21	0 55	15 25	7 40	14 42	14 42	16 52	16 16		

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FEBRUARY 1660 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 43 29	11 <sup>57</sup> 30	2 <sup>43</sup>	27 <sup>R</sup> 0	27 <sup>53</sup>	5 <sup>31</sup>	12 <sup>R</sup> 11	11 <sup>41</sup>	26 <sup>53</sup>	7 <sup>47</sup>	19 <sup>R</sup> 21	8 <sup>R</sup> 48	9 <sup>M</sup> 22	22 <sup>16</sup>	16 <sup>3</sup> 4
M 2	8 47 25	12 <sup>58</sup> 17	15 <sup>17</sup>	26 <sup>26</sup>	29 <sup>8</sup>	5 <sup>47</sup>	12 <sup>M</sup> 5	11 <sup>43</sup>	26 <sup>56</sup>	7 <sup>49</sup>	19 <sup>II</sup> 20	8 <sup>M</sup> 44	9 <sup>19</sup>	22 <sup>22</sup>	16 <sup>10</sup>
T 3	8 51 22	13 <sup>59</sup> 04	28 <sup>5</sup>	26 <sup>1</sup>	0 <sup>X</sup> 23	6 <sup>4</sup>	11 <sup>58</sup>	11 <sup>45</sup>	27 <sup>0</sup>	7 <sup>51</sup>	19 <sup>19</sup>	8 <sup>43</sup>	9 <sup>15</sup>	22 <sup>29</sup>	16 <sup>15</sup>
W 4	8 55 18	14 <sup>59</sup> 49	11 <sup>M</sup> 11	25 <sup>43</sup>	1 <sup>38</sup>	6 <sup>21</sup>	11 <sup>52</sup>	11 <sup>46</sup>	27 <sup>3</sup>	7 <sup>53</sup>	19 <sup>19</sup>	8 <sup>43</sup>	9 <sup>12</sup>	22 <sup>36</sup>	16 <sup>20</sup>
T 5	8 59 15	16 <sup>0</sup> 33	24 <sup>39</sup>	25 <sup>34</sup>	2 <sup>53</sup>	6 <sup>38</sup>	11 <sup>46</sup>	11 <sup>48</sup>	27 <sup>6</sup>	7 <sup>55</sup>	19 <sup>18</sup>	8 <sup>42</sup>	9 <sup>9</sup>	22 <sup>42</sup>	16 <sup>25</sup>
F 6	9 3 11	17 <sup>0</sup> 16	8 <sup>X</sup> 32	25 <sup>D</sup> 32	4 <sup>8</sup>	6 <sup>56</sup>	11 <sup>39</sup>	11 <sup>49</sup>	27 <sup>10</sup>	7 <sup>57</sup>	19 <sup>18</sup>	8 <sup>41</sup>	9 <sup>6</sup>	22 <sup>49</sup>	16 <sup>30</sup>
S 7	9 7 8	18 <sup>0</sup> 59	22 <sup>50</sup>	25 <sup>37</sup>	5 <sup>23</sup>	7 <sup>14</sup>	11 <sup>33</sup>	11 <sup>51</sup>	27 <sup>13</sup>	7 <sup>58</sup>	19 <sup>17</sup>	8 <sup>38</sup>	9 <sup>3</sup>	22 <sup>56</sup>	16 <sup>36</sup>
S 8	9 11 5	19 <sup>0</sup> 24	7 <sup>32</sup>	25 <sup>49</sup>	6 <sup>37</sup>	7 <sup>33</sup>	11 <sup>26</sup>	11 <sup>52</sup>	27 <sup>16</sup>	8 <sup>0</sup>	19 <sup>17</sup>	8 <sup>31</sup>	8 <sup>59</sup>	23 <sup>3</sup>	16 <sup>41</sup>
M 9	9 15 1	20 <sup>0</sup> 32	22 <sup>32</sup>	26 <sup>8</sup>	7 <sup>52</sup>	7 <sup>52</sup>	11 <sup>19</sup>	11 <sup>53</sup>	27 <sup>20</sup>	8 <sup>2</sup>	19 <sup>16</sup>	8 <sup>22</sup>	8 <sup>56</sup>	23 <sup>9</sup>	16 <sup>46</sup>
T 10	9 18 58	21 <sup>0</sup> 35	7 <sup>44</sup>	26 <sup>32</sup>	9 <sup>7</sup>	8 <sup>12</sup>	11 <sup>12</sup>	11 <sup>54</sup>	27 <sup>23</sup>	8 <sup>4</sup>	19 <sup>16</sup>	8 <sup>11</sup>	8 <sup>53</sup>	23 <sup>16</sup>	16 <sup>51</sup>
W 11	9 22 54	22 <sup>0</sup> 43	22 <sup>55</sup>	27 <sup>1</sup>	10 <sup>22</sup>	8 <sup>31</sup>	11 <sup>5</sup>	11 <sup>55</sup>	27 <sup>26</sup>	8 <sup>6</sup>	19 <sup>15</sup>	8 <sup>0</sup>	8 <sup>50</sup>	23 <sup>23</sup>	16 <sup>56</sup>
T 12	9 26 51	23 <sup>0</sup> 51	7 <sup>X</sup> 56	27 <sup>36</sup>	11 <sup>37</sup>	8 <sup>52</sup>	10 <sup>58</sup>	11 <sup>56</sup>	27 <sup>30</sup>	8 <sup>7</sup>	19 <sup>15</sup>	7 <sup>49</sup>	8 <sup>47</sup>	23 <sup>29</sup>	17 <sup>1</sup>
F 13	9 30 47	24 <sup>0</sup> 54	22 <sup>36</sup>	28 <sup>14</sup>	12 <sup>51</sup>	9 <sup>12</sup>	10 <sup>51</sup>	11 <sup>57</sup>	27 <sup>33</sup>	8 <sup>9</sup>	19 <sup>14</sup>	7 <sup>41</sup>	8 <sup>44</sup>	23 <sup>36</sup>	17 <sup>5</sup>
S 14	9 34 44	25 <sup>0</sup> 61	6 <sup>V</sup> 50	28 <sup>57</sup>	14 <sup>6</sup>	9 <sup>33</sup>	10 <sup>44</sup>	11 <sup>57</sup>	27 <sup>36</sup>	8 <sup>11</sup>	19 <sup>14</sup>	7 <sup>34</sup>	8 <sup>40</sup>	23 <sup>43</sup>	17 <sup>10</sup>
S 15	9 38 40	26 <sup>0</sup> 64	20 <sup>35</sup>	29 <sup>44</sup>	15 <sup>21</sup>	9 <sup>55</sup>	10 <sup>36</sup>	11 <sup>58</sup>	27 <sup>39</sup>	8 <sup>13</sup>	19 <sup>13</sup>	7 <sup>31</sup>	8 <sup>37</sup>	23 <sup>50</sup>	17 <sup>15</sup>
M 16	9 42 37	27 <sup>0</sup> 71	3 <sup>B</sup> 50	0 <sup>35</sup>	16 <sup>35</sup>	10 <sup>16</sup>	10 <sup>29</sup>	11 <sup>58</sup>	27 <sup>43</sup>	8 <sup>14</sup>	19 <sup>13</sup>	7 <sup>D</sup> 30	8 <sup>34</sup>	23 <sup>56</sup>	17 <sup>20</sup>
T 17	9 46 34	28 <sup>0</sup> 74	16 <sup>40</sup>	1 <sup>29</sup>	17 <sup>50</sup>	10 <sup>38</sup>	10 <sup>22</sup>	11 <sup>58</sup>	27 <sup>46</sup>	8 <sup>16</sup>	19 <sup>13</sup>	7 <sup>30</sup>	8 <sup>31</sup>	24 <sup>3</sup>	17 <sup>25</sup>
W 18	9 50 30	29 <sup>0</sup> 80	2 <sup>9</sup> 7	2 <sup>25</sup>	19 <sup>4</sup>	11 <sup>1</sup>	10 <sup>14</sup>	11 <sup>59</sup>	27 <sup>49</sup>	8 <sup>17</sup>	19 <sup>12</sup>	7 <sup>R</sup> 30	8 <sup>28</sup>	24 <sup>10</sup>	17 <sup>29</sup>
T 19	9 54 27	0 <sup>X</sup> 8'30	11 <sup>II</sup> 18	3 <sup>25</sup>	20 <sup>19</sup>	11 <sup>23</sup>	10 <sup>6</sup>	11 <sup>59</sup>	27 <sup>52</sup>	8 <sup>19</sup>	19 <sup>12</sup>	7 <sup>30</sup>	8 <sup>24</sup>	24 <sup>16</sup>	17 <sup>34</sup>
F 20	9 58 23	1 <sup>0</sup> 8'51	23 <sup>17</sup>	4 <sup>27</sup>	21 <sup>33</sup>	11 <sup>46</sup>	9 <sup>59</sup>	11 <sup>R</sup> 59	27 <sup>55</sup>	8 <sup>21</sup>	19 <sup>12</sup>	7 <sup>27</sup>	8 <sup>21</sup>	24 <sup>23</sup>	17 <sup>38</sup>
S 21	10 2 20	2 <sup>0</sup> 9'10	5 <sup>2</sup> 9	5 <sup>32</sup>	22 <sup>48</sup>	12 <sup>9</sup>	9 <sup>51</sup>	11 <sup>59</sup>	27 <sup>58</sup>	8 <sup>22</sup>	19 <sup>12</sup>	7 <sup>22</sup>	8 <sup>18</sup>	24 <sup>30</sup>	17 <sup>43</sup>
S 22	10 6 16	3 <sup>0</sup> 9'27	17 <sup>0</sup> 8	6 <sup>39</sup>	24 <sup>2</sup>	12 <sup>33</sup>	9 <sup>43</sup>	11 <sup>58</sup>	28 <sup>0</sup> 1	8 <sup>24</sup>	19 <sup>11</sup>	7 <sup>14</sup>	8 <sup>15</sup>	24 <sup>37</sup>	17 <sup>47</sup>
M 23	10 10 13	4 <sup>0</sup> 9'42	28 <sup>5</sup> 1	7 <sup>48</sup>	25 <sup>17</sup>	12 <sup>57</sup>	9 <sup>36</sup>	11 <sup>58</sup>	28 <sup>0</sup> 4	8 <sup>25</sup>	19 <sup>11</sup>	7 <sup>5</sup>	8 <sup>12</sup>	24 <sup>43</sup>	17 <sup>52</sup>
T 24	10 14 9	5 <sup>0</sup> 9'55	10 <sup>4</sup> 7	8 <sup>59</sup>	26 <sup>31</sup>	13 <sup>21</sup>	9 <sup>28</sup>	11 <sup>58</sup>	28 <sup>0</sup> 7	8 <sup>27</sup>	19 <sup>11</sup>	6 <sup>53</sup>	8 <sup>9</sup>	24 <sup>50</sup>	17 <sup>56</sup>
W 25	10 18 6	6 <sup>0</sup> 10'06	22 <sup>49</sup>	10 <sup>12</sup>	27 <sup>45</sup>	13 <sup>45</sup>	9 <sup>20</sup>	11 <sup>57</sup>	28 <sup>10</sup>	8 <sup>28</sup>	19 <sup>11</sup>	6 <sup>41</sup>	8 <sup>5</sup>	24 <sup>57</sup>	18 <sup>0</sup>
T 26	10 22 3	7 <sup>0</sup> 10'16	4 <sup>M</sup> 58	11 <sup>26</sup>	29 <sup>0</sup>	14 <sup>10</sup>	9 <sup>12</sup>	11 <sup>57</sup>	28 <sup>13</sup>	8 <sup>29</sup>	19 <sup>11</sup>	6 <sup>29</sup>	8 <sup>2</sup>	25 <sup>4</sup>	18 <sup>5</sup>
F 27	10 25 59	8 <sup>0</sup> 10'23	17 <sup>16</sup>	12 <sup>43</sup>	0 <sup>V</sup> 14	14 <sup>35</sup>	9 <sup>4</sup>	11 <sup>56</sup>	28 <sup>16</sup>	8 <sup>31</sup>	19 <sup>11</sup>	6 <sup>19</sup>	7 <sup>59</sup>	25 <sup>10</sup>	18 <sup>9</sup>
S 28	10 29 56	9 <sup>0</sup> 10'29	29 <sup>43</sup>	14 <sup>1</sup>	1 <sup>28</sup>	15 <sup>0</sup>	8 <sup>56</sup>	11 <sup>55</sup>	28 <sup>19</sup>	8 <sup>32</sup>	19 <sup>10</sup>	6 <sup>11</sup>	7 <sup>56</sup>	25 <sup>17</sup>	18 <sup>13</sup>
S 29	10 33 52	10 <sup>X</sup> 10'33	12 <sup>4</sup> 20	15 <sup>21</sup>	2 <sup>V</sup> 42	15 <sup>II</sup> 25	8 <sup>M</sup> 49	11 <sup>M</sup> 54	28 <sup>22</sup>	8 <sup>R</sup> 33	19 <sup>II</sup> 10	6 <sup>M</sup> 6	7 <sup>M</sup> 53	25 <sup>24</sup>	18 <sup>R</sup> 17

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	17s14	3s48	2s58	17s31	3n21	13s39	1s31	23n46	2n32	8n16	1n22	13s 3	2n26	21s19	0s31	22s21	0n55	15n26	7s39	14s28	14s38	16n47	16s13	6n21
M 2	16 57	7 53	2 0	17 45	3 12	13 12	1 30	23 48	2 32	8 18	1 22	13 4	2 26	21 18	0 31	22 20	0 55	15 26	7 39	14 26	14 37	16 44	16 12	6 21
T 3	16 40	11 41	0 56	17 59	3 3	12 46	1 30	23 50	2 31	8 21	1 22	13 4	2 26	21 18	0 31	22 20	0 55	15 26	7 38	14 26	14 36	16 44	16 11	6 21
W 4	16 22	15 0	0n13	18 13	2 52	12 19	1 30	23 53	2 31	8 24	1 22	13 4	2 26	21 17	0 31	22 20	0 55	15 26	7 38	14 26	14 35	16 43	16 10	6 22
T 5	16 4	17 37	1 23	18 25	2 42	11 51	1 30	23 55	2 30	8 26	1 23	13 5	2 27	21 17	0 31	22 20	0 55	15 26	7 38	14 26	14 34	16 42	16 9	6 22
F 6	15 46	19 17	2 31	18 37	2 30	11 24	1 29	23 58	2 30	8 29	1 23	13 5	2 27	21 16	0 31	22 20	0 55	15 26	7 38	14 25	14 33	16 40	16 8	6 22
S 7	15 27	19 47	3 31	18 47	2 18	10 56	1 29	24 1	2 29	8 32	1 23	13 5	2 27	21 15	0 31	22 20	0 55	15 27	7 38	14 24	14 32	16 39	16 7	6 22
S 8	15 8	18 58	4 18	18 57	2 6	10 27	1 28	24 3	2 29	8 34	1 23	13 5	2 27	21 15	0 31	22 20	0 55	15 27	7 38	14 22	14 31	16 38	16 6	6 23
M 9	14 49	16 50	4 50	19 5	1 54	9 59	1 27	24 6	2 28	8 37	1 23	13 5	2 28	21 14	0 31	22 20	0 55	15 27	7 37	14 19	14 30	16 36	16 6	6 23
T 10	14 30	13 31	5 1	19 13	1 42	9 30	1 27	24 8	2 28	8 40	1 24	13 5	2 28	21 13	0 31	22 19	0 55	15 27	7 37	14 16	14 29	16 35	16 5	6 23
W 11	14 11	9 19	4 51	19 19	1 30	9 1	1 26	24 11	2 27	8 43	1 24	13 5	2 28	21 13	0 31	22 19	0 55	15 27	7 37	14 12	14 28	16 34	16 4	6 24
T 12	13 51	4 35	4 21	19 24	1 18	8 32	1 25	24 14	2 27	8 45	1 24	13 5	2 28	21 12	0 31	22 19	0 55	15 27	7 37	14 9	14 27	16 32	16 3	6 24
F 13	13 31	0n20	3 34	19 28	1 7	8 2	1 24	24 16	2 26	8 48	1 24	13 5	2 28	21 11	0 31	22 19	0 55	15 28	7 37	14 6	14 26	16 31	16 2	6 24
S 14	13 11	5 5	2 35	19 30	0 55	7 33	1 23	24 19	2 25	8 51	1 24	13 5	2 29	21 11	0 31	22 19	0 55	15 28	7 36	14 4	14 25	16 30	16 1	6 25
S 15	12 50	9 25	1 29	19 32	0 44	7 3	1 22	24 22	2 25	8 54	1 24	13 5	2 29	21 10	0 31	22 19	0 55	15 28	7 36	14 3	14 24	16 28	16 0	6 25
M 16	12 30	13 7	0 19	19 32	0 33	6 33	1 21	24 24	2 24	8 57	1 25	13 5	2 29	21 10	0 31	22 19	0 55	15 28	7 36	14 2	14 23	16 27	15 59	6 25
T 17	12 9	16 4	0s49	19 31	0 22	6 3	1 20	24 27	2 24	9 0	1 25	13 5	2 29	21 9	0 31	22 19	0 55	15 28	7 36	14 2	14 22	16 26	15 58	6 26
W 18	11 48	18 10	1 52	19 28	0 11	5 32	1 19	24 30	2 23	9 3	1 25	13 5	2 30	21 8	0 31	22 19	0 55	15 28	7 35	14 2	14 21	16 24	15 57	6 26
T 19	11 27	19 22	2 49	19 24	0 1	5 2	1 17	24 32	2 23	9 6	1 25	13 5	2 30	21 8	0 31	22 18	0 55	15 29	7 35	14 2	14 20	16 23	15 56	6 26
F 20	11 5	19 41	3 38	19 19	0s 9	4 31	1 16	24 35	2 22	9 9	1 25	13 5	2 30	21 7	0 31	22 18	0 55	15 29	7 35	14 1	14 19	16 22	15 55	6 27
S 21	10 44	19 6	4 17	19 13	0 18	4 0	1 14	24 38	2 21	9 12	1 25	13 4	2 30	21 7	0 31	22 18	0 55	15 29	7 35	14 0	14 18	16 20	15 55	6 27
S 22	10 22	17 42	4 45	19 5	0 28	3 29	1 13	24 40	2 21	9 15	1 25	13 4	2 31	21 6	0 31	22 18	0 55	15 29	7 35	13 57	14 17	16 19	15 54	6 27
M 23	10 0	15 32	5 0	18 56	0 36	2 58	1 11	24 43	2 20	9 18	1 25	13 4	2 31	21 5	0 31	22 18	0 55	15 29	7 34	13 54				

SWISS EPHEMERIS for the year 1660

MARCH 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
M 1	10 37 49	11°10'35	25°08	16°42	3°57	15°51	8°R41	11°R53	28°25	8°35	19°R10	6°R 3	7°M.50	25°30	18°21
T 2	10 41 45	12°10'35	8°M. 8	18° 4	5°11	16°16	8°M.33	11°M.52	28°28	8°36	19°M.10	6°D 3	7°46	25°37	18°25
W 3	10 45 42	13°10'34	21°22	19°28	6°25	16°42	8°25	11°51	28°30	8°37	19°D10	6°M. 3	7°43	25°44	18°29
T 4	10 49 38	14°10'31	4°X.52	20°54	7°39	17° 9	8°17	11°50	28°33	8°38	19°10	6° 4	7°40	25°51	18°33
F 5	10 53 35	15°10'27	18°40	22°21	8°53	17°35	8°10	11°48	28°36	8°40	19°10	6°R 5	7°37	25°57	18°37
S 6	10 57 31	16°10'21	2°Z.46	23°49	10° 7	18° 2	8° 2	11°47	28°38	8°41	19°10	6° 3	7°34	26° 4	18°41
S 7	11 1 28	17°10'13	17° 9	25°18	11°21	18°29	7°54	11°45	28°41	8°42	19°10	6° 0	7°30	26°11	18°44
M 8	11 5 25	18°10'04	1°Z.47	26°49	12°34	18°56	7°47	11°43	28°44	8°43	19°11	5°55	7°27	26°17	18°48
T 9	11 9 21	19° 9'53	16°34	28°21	13°48	19°23	7°39	11°42	28°46	8°44	19°11	5°48	7°24	26°24	18°52
W10	11 13 18	20° 9'40	1°X.23	29°54	15° 2	19°50	7°31	11°40	28°49	8°45	19°11	5°41	7°21	26°31	18°55
T 11	11 17 14	21° 9'25	16° 6	1°X.28	16°16	20°18	7°24	11°38	28°51	8°46	19°11	5°34	7°18	26°38	18°59
F 12	11 21 11	22° 9'08	0°Y.34	3° 4	17°30	20°46	7°17	11°36	28°54	8°47	19°11	5°28	7°15	26°44	19° 2
S 13	11 25 7	23° 8'49	14°42	4°41	18°43	21°14	7° 9	11°33	28°56	8°48	19°11	5°24	7°11	26°51	19° 5
S 14	11 29 4	24° 8'28	28°26	6°19	19°57	21°42	7° 2	11°31	28°58	8°49	19°12	5°22	7° 8	26°58	19° 9
M15	11 33 0	25° 8'05	11°Z.44	7°58	21°10	22°11	6°55	11°29	29° 1	8°50	19°12	5°D22	7° 5	27° 4	19°12
T 16	11 36 57	26° 7'40	24°38	9°39	22°24	22°39	6°48	11°26	29° 3	8°50	19°12	5°23	7° 2	27°11	19°15
W17	11 40 54	27° 7'12	7°M.10	11°21	23°38	23° 8	6°41	11°24	29° 5	8°51	19°13	5°25	6°59	27°18	19°18
T 18	11 44 50	28° 6'42	19°25	13° 4	24°51	23°37	6°34	11°21	29° 8	8°52	19°13	5°26	6°56	27°25	19°21
F 19	11 48 47	29° 6'10	1°Z.28	14°49	26° 4	24° 6	6°27	11°19	29°10	8°53	19°13	5°R27	6°52	27°31	19°24
S 20	11 52 43	0°Y. 5'35	13°22	16°35	27°18	24°35	6°20	11°16	29°12	8°54	19°14	5°26	6°49	27°38	19°27
S 21	11 56 40	1° 4'58	25°14	18°22	28°31	25° 4	6°14	11°13	29°14	8°54	19°14	5°23	6°46	27°45	19°30
M22	12 0 36	2° 4'19	7°Z. 7	20°10	29°44	25°34	6° 7	11°10	29°16	8°55	19°14	5°19	6°43	27°52	19°32
T 23	12 4 33	3° 3'37	19° 6	22° 0	0°Z.57	26° 4	6° 1	11° 7	29°18	8°55	19°15	5°14	6°40	27°58	19°35
W24	12 8 29	4° 2'53	1°M.13	23°51	2°10	26°33	5°55	11° 4	29°20	8°56	19°15	5° 8	6°36	28° 5	19°38
T 25	12 12 26	5° 2'07	13°31	25°44	3°24	27° 3	5°49	11° 1	29°22	8°57	19°16	5° 3	6°33	28°12	19°40
F 26	12 16 23	6° 1'19	26° 2	27°38	4°37	27°33	5°43	10°58	29°24	8°57	19°16	4°58	6°30	28°18	19°43
S 27	12 20 19	7° 0'29	8°Z.45	29°33	5°49	28° 3	5°37	10°54	29°26	8°58	19°17	4°55	6°27	28°25	19°45
S 28	12 24 16	7°59'36	21°42	1°Y.29	7° 2	28°34	5°31	10°51	29°27	8°58	19°17	4°53	6°24	28°32	19°47
M29	12 28 12	8°58'42	4°M.51	3°27	8°15	29° 4	5°26	10°47	29°29	8°58	19°18	4°D52	6°21	28°39	19°49
T 30	12 32 9	9°57'46	18°13	5°26	9°28	29°35	5°20	10°44	29°31	8°59	19°19	4°53	6°17	28°45	19°52
W31	12 36 5	10°Y.56'48	1°Z.47	7°Y.27	10°Z.41	0°Z. 5	5°M.15	10°M.40	29°Z.33	8°Z.59	19°M.19	4°M.54	6°M.14	28°Z.52	19°Z.54

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
M 1	7s23	10s39	0s58	17s16	1s29	0n40	0s59	24n59	2n16	9n39	1n26	13s 1	2n32	21s 1	0s31	22s17	0n55	15n31	7s33	13s34	14s 9	16n 8	15s46	6n31
T 2	7 0 14	4 0n11	16 56	1 35	1 12	0 57	25 1	2 16	9 42	1 26	13 0	2 33	21 1	0 31	22 17	0 55	15 31	7 33	13 34	14 8	16 7	15 45	6 31	
W 3	6 37 16	49 1 21	16 35	1 40	1 43	0 55	25 3	2 15	9 45	1 26	13 0	2 33	21 0	0 31	22 17	0 55	15 31	7 33	13 34	14 7	16 5	15 44	6 32	
T 4	6 14 18	43 2 29	16 13	1 45	2 14	0 53	25 5	2 15	9 48	1 26	12 59	2 33	21 0	0 31	22 17	0 55	15 31	7 32	13 34	14 6	16 4	15 43	6 32	
F 5	5 51 19	32 3 29	15 49	1 50	2 45	0 50	25 7	2 14	9 51	1 26	12 58	2 33	20 59	0 31	22 17	0 55	15 32	7 32	13 34	14 4	16 2	15 42	6 32	
S 6	5 28 19	10 4 17	15 25	1 55	3 16	0 48	25 9	2 13	9 54	1 26	12 58	2 33	20 59	0 31	22 17	0 55	15 32	7 32	13 34	14 3	16 1	15 41	6 33	
S 7	5 5 17	34 4 51	14 58	1 59	3 47	0 46	25 11	2 13	9 57	1 26	12 57	2 34	20 58	0 31	22 17	0 55	15 32	7 32	13 33	14 2	16 0	15 40	6 33	
M 8	4 41 14	49 5 7	14 31	2 2	4 18	0 44	25 13	2 12	10 0	1 26	12 56	2 34	20 58	0 31	22 17	0 55	15 32	7 31	13 31	14 1	15 58	15 39	6 34	
T 9	4 18 11	5 5 2	14 2	2 6	4 49	0 41	25 15	2 12	10 3	1 26	12 56	2 34	20 57	0 31	22 16	0 55	15 33	7 31	13 29	14 0	15 57	15 38	6 34	
W10	3 54 6	41 4 37	13 32	2 8	5 20	0 39	25 16	2 11	10 6	1 26	12 55	2 34	20 57	0 31	22 16	0 55	15 33	7 31	13 26	13 59	15 55	15 38	6 35	
T 11	3 31 1	54 3 54	13 0	2 11	5 51	0 36	25 18	2 11	10 8	1 26	12 54	2 34	20 56	0 31	22 16	0 55	15 33	7 31	13 24	13 58	15 54	15 37	6 35	
F 12	3 7 2n56	2 57	12 28	2 13	6 21	0 34	25 19	2 10	10 11	1 26	12 53	2 35	20 56	0 31	22 16	0 55	15 33	7 31	13 22	13 57	15 53	15 36	6 36	
S 13	2 44 7	29 1 50	11 54	2 14	6 52	0 31	25 21	2 9	10 14	1 26	12 52	2 35	20 55	0 31	22 16	0 55	15 33	7 30	13 21	13 56	15 51	15 35	6 36	
S 14	2 20 11	31 0 38	11 18	2 15	7 22	0 29	25 22	2 9	10 16	1 26	12 51	2 35	20 55	0 31	22 16	0 55	15 34	7 30	13 20	13 55	15 50	15 34	6 37	
M15	1 56 14	50 0s35	10 42	2 16	7 52	0 26	25 23	2 8	10 19	1 26	12 51	2 35	20 54	0 31	22 16	0 55	15 34	7 30	13 20	13 54	15 48	15 33	6 37	
T 16	1 33 17	18 1 43	10 4	2 16	8 22	0 23	25 24	2 8	10 22	1 26	12 50	2 35	20 54	0 31	22 16	0 55	15 34	7 30	13 21	13 53	15 47	15 32	6 38	
W17	1 9 18	51 2 44	9 25	2 16	8 52	0 21	25 25	2 7	10 24	1 26	12 49	2 35	20 53	0 31	22 16	0 55	15 34	7 30	13 21	13 52	15 46	15 31	6 38	
T 18	0 45 19	28 3 37	8 45	2 15	9 22	0 18	25 26	2 6	10 27	1 26	12 48	2 36	20 53	0 31	22 16	0 55	15 35	7 29	13 22	13 51	15 44	15 30	6 39	
F 19	0 21 19	10 4 19	8 3	2 14	9 51	0 15	25 27	2 6	10 29	1 26	12 47	2 36	20 53	0 31	22 16	0 55	15 35	7 29	13 22	13 50	15 43	15 29	6 39	
S 20	0n 2 18	1 4 49	7 20	2 12	10 20	0 13	25 27	2 5	10 32	1 26	12 46	2 36	20 52	0 31	22 16	0 55	15 35	7 29	13 21	13 49	15 41	15 28	6 40	
S 21	0 26 16	6 5 7	6 36	2 10	10 49	0 10	25 28	2 5	10 34	1 26	12 45	2 36	20 52	0 31	22 16	0 55	15 35	7 29	13 20	13 48	15 40	15 27	6 40	
M22	0 50 13	30 5 11	5 51	2 7	11 17	0 7	25 29	2 4	10 36	1 26	12 44	2 36	20 51	0 31	22 16	0 56	15 36	7 28	13 19	13 47	15 38	15 26	6 41	
T 23	1 13 10	20 5 2	5 5	2 4	11 46	0 4	25 29	2 4	10 39	1 26	12 43	2 36	20 51	0 31	22 15	0 56	15 36	7 28	13 17	13 46	15 37	15 26	6 41	
W24	1 37 6	42 4 40	4 17	2 1	12 14	0 1	25 29	2 3	10 41	1 25	12 42	2 37	20 51	0 31	22 15	0 56	15 36	7 28	13 16	13 45	15 36	15 25	6 42	
T 25	2 0 2 44	4 5 3	29 1	56	12 42	0n 2	25 29	2 2	10 43	1 25	12 40	2 37	20 50	0 31	22 15	0 56	15 36	7 28	13 14	13 44	15 34	15 24	6 42	
F 26	2 24 1s26	3 17 2 39	1 52	13 9	0 5	25 29	2 2	10 45	1 25	12 39	2 37	20 50	0 31	22 15	0 56	15 37	7 28	13 12	13 43	15 33	15 23	6 43		
S 27	2 47 5 36	2 18 1 48	1 46	13 36	0 8	25 29	2 1	10 47	1 25	12 38	2 37	20 50	0 31	22 15	0 56	15 37	7 27	13 11	13 42	15 31	15 22	6 44		
S 28	3 11 9 35	1 12 0 57	1 41	14 3	0 11	25 29	2 1	10 49	1 25	12 37	2 37	20 49	0 31	22 15	0 56	15 37	7 27	13 10	13 41	15 30	15 21	6 44		
M29	3 34 13	10 0 0	0 4	1 34	14 30	0 14	25 29	2 0	10 51	1 25	12 36	2 37	20 4											

SWISS EPHEMERIS for the year 1660

APRIL 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	12 40 2	11°55'48	15°32'	9°28'	11°53'	0°36'	5°R10	10°R37	29°34'	8°59'	19°20'	4°M55	6°M11	28°59'	19°56'
F 2	12 43 58	12°54'46	29°28'	11°31'	13° 6'	1° 7'	5°M 5	10°M33	29°36'	9° 0'	19°20'	4°57'	6° 8'	29° 5'	19°58'
S 3	12 47 55	13°53'43	13°33'	13°35'	14°19'	1°38'	5° 0'	10°29'	29°37'	9° 0'	19°21'	4°R57	6° 5'	29°12'	19°59'
S 4	12 51 52	14°52'38	27°47'	15°39'	15°31'	2° 9'	4°55'	10°26'	29°39'	9° 0'	19°22'	4°57'	6° 1'	29°19'	20° 1'
M 5	12 55 48	15°51'31	12°38'	17°44'	16°44'	2°40'	4°51'	10°22'	29°40'	9° 0'	19°22'	4°55'	5°58'	29°26'	20° 3'
T 6	12 59 45	16°50'23	26°29'	19°50'	17°56'	3°12'	4°46'	10°18'	29°42'	9° 1'	19°23'	4°53'	5°55'	29°32'	20° 4'
W 7	13 3 41	17°49'12	10°49'	21°56'	19° 8'	3°43'	4°42'	10°14'	29°43'	9° 1'	19°24'	4°51'	5°52'	29°39'	20° 6'
T 8	13 7 38	18°48'00	25° 3'	24° 2'	20°21'	4°15'	4°38'	10°10'	29°44'	9° 1'	19°25'	4°49'	5°49'	29°46'	20° 8'
F 9	13 11 34	19°46'46	9°Y 7	26° 8'	21°33'	4°46'	4°34'	10° 6'	29°46'	9° 1'	19°25'	4°47'	5°46'	29°53'	20° 9'
S 10	13 15 31	20°45'30	22°55'	28°14'	22°45'	5°18'	4°31'	10° 2'	29°47'	9°R 1	19°26'	4°46'	5°42'	29°59'	20°10'
S 11	13 19 27	21°44'12	6°B25	0°B19	23°57'	5°50'	4°27'	9°57'	29°48'	9° 1'	19°27'	4°D46	5°39'	0°Ω 6	20°11'
M12	13 23 24	22°42'52	19°35'	2°23'	25° 9'	6°22'	4°24'	9°53'	29°49'	9° 1'	19°28'	4°46'	5°36'	0°13	20°13'
T 13	13 27 20	23°41'30	2°II26	4°25'	26°21'	6°54'	4°21'	9°49'	29°50'	9° 1'	19°29'	4°47'	5°33'	0°19	20°14'
W14	13 31 17	24°40'06	14°59'	6°26'	27°33'	7°26'	4°18'	9°45'	29°51'	9° 0'	19°30'	4°48'	5°30'	0°26	20°15'
T 15	13 35 14	25°38'40	27°16'	8°24'	28°45'	7°58'	4°15'	9°41'	29°52'	9° 0'	19°31'	4°49'	5°27'	0°33	20°16'
F 16	13 39 10	26°37'11	9°E20	10°20'	29°56'	8°30'	4°12'	9°36'	29°53'	9° 0'	19°31'	4°50'	5°23'	0°40	20°16'
S 17	13 43 7	27°35'41	21°17'	12°14'	1°II 8	9° 3'	4°10'	9°32'	29°54'	9° 0'	19°32'	4°50'	5°20'	0°46	20°17'
S 18	13 47 3	28°34'08	3°Ω 10	14° 4'	2°20'	9°35'	4° 8'	9°27'	29°55'	9° 0'	19°33'	4°R50	5°17'	0°53	20°18'
M19	13 51 0	29°32'33	15° 5'	15°52'	3°31'	10° 8'	4° 6'	9°23'	29°55'	8°59'	19°34'	4°50'	5°14'	1° 0	20°18'
T 20	13 54 56	0°B30'56	27° 5'	17°36'	4°43'	10°40'	4° 4'	9°19'	29°56'	8°59'	19°35'	4°50'	5°11'	1° 6	20°19'
W21	13 58 53	1°29'17	9°M15	19°16'	5°54'	11°13'	4° 2'	9°14'	29°57'	8°59'	19°36'	4°49'	5° 7'	1°13	20°19'
T 22	14 2 49	2°27'36	21°38'	20°52'	7° 5'	11°46'	4° 1'	9°10'	29°57'	8°58'	19°37'	4°49'	5° 4'	1°20	20°20'
F 23	14 6 46	3°25'52	4°A17	22°25'	8°16'	12°19'	3°59'	9° 5'	29°58'	8°58'	19°38'	4°49'	5° 1'	1°27	20°20'
S 24	14 10 43	4°24'07	17°14'	23°53'	9°27'	12°52'	3°58'	9° 1'	29°58'	8°58'	19°39'	4°D48	4°58'	1°33	20°20'
S 25	14 14 39	5°22'20	0°M30	25°17'	10°39'	13°25'	3°57'	8°56'	29°59'	8°57'	19°40'	4°R48	4°55'	1°40	20°20'
M26	14 18 36	6°20'31	14° 2'	26°37'	11°49'	13°58'	3°56'	8°52'	29°59'	8°57'	19°41'	4°48'	4°52'	1°47	20°R20
T 27	14 22 32	7°18'41	27°51'	27°53'	13° 0'	14°31'	3°56'	8°47'	29°59'	8°56'	19°43'	4°48'	4°48'	1°54	20°20'
W28	14 26 29	8°16'49	11°A52	29° 4'	14°11'	15° 4'	3°55'	8°43'	29°59'	8°55'	19°44'	4°48'	4°45'	2° 0	20°20'
T 29	14 30 25	9°14'55	26° 2'	0°II10	15°22'	15°37'	3°55'	8°38'	0°A 0	8°55'	19°45'	4°48'	4°42'	2° 7	20°20'
F 30	14 34 22	10°B13'00	10°B18	1°II12	16°II32	16°E11	3°D55	8°M34	0°A 0	8°B54	19°II46	4°M47	4°M39	2°Ω14	20°B20

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	4n43	19s18	3n25	2n39	1s13	15n47	0n23	25n27	1n59	10n57	1n25	12s32	2n38	20s48	0s32	22s15	0n56	15n38	7s26	13s11	13s36	15n24	15s18	6n46
F 2	5 7	19 12	4 17	3 35	1 4	16 12	0 26	25 27	1 58	10 59	1 25	12 31	2 38	20 48	0 32	22 15	0 56	15 38	7 26	13 12	13 35	15 23	15 17	6 47
S 3	5 29	17 55	4 53	4 31	0 56	16 37	0 29	25 26	1 57	11 0	1 24	12 30	2 38	20 47	0 32	22 15	0 56	15 39	7 26	13 12	13 34	15 21	15 16	6 47
S 4	5 52	15 32	5 13	5 27	0 46	17 1	0 32	25 25	1 57	11 2	1 24	12 28	2 38	20 47	0 32	22 15	0 56	15 39	7 26	13 12	13 33	15 20	15 15	6 48
M 5	6 15	12 11	5 13	6 24	0 37	17 25	0 35	25 24	1 56	11 3	1 24	12 27	2 38	20 47	0 32	22 15	0 56	15 39	7 26	13 11	13 32	15 18	15 15	6 49
T 6	6 38	8 7	4 53	7 21	0 27	17 48	0 38	25 22	1 56	11 5	1 24	12 26	2 38	20 46	0 32	22 15	0 56	15 39	7 25	13 10	13 31	15 17	15 14	6 49
W 7	7 0	3 35	4 15	8 18	0 17	18 11	0 41	25 21	1 55	11 6	1 24	12 24	2 38	20 46	0 32	22 15	0 56	15 40	7 25	13 10	13 30	15 15	15 13	6 50
T 8	7 23	1n 7	3 22	9 15	0 6	18 34	0 44	25 19	1 55	11 8	1 24	12 23	2 38	20 46	0 32	22 15	0 56	15 40	7 25	13 9	13 29	15 14	15 12	6 50
F 9	7 45	5 43	2 17	10 11	0n 5	18 56	0 47	25 18	1 54	11 9	1 24	12 22	2 38	20 46	0 32	22 15	0 56	15 40	7 25	13 8	13 28	15 12	15 11	6 51
S 10	8 7	9 56	1 5	11 7	0 16	19 17	0 50	25 16	1 54	11 10	1 23	12 20	2 39	20 46	0 32	22 15	0 56	15 40	7 25	13 8	13 27	15 11	15 11	6 51
S 11	8 29	13 32	0s 9	12 1	0 27	19 38	0 53	25 14	1 53	11 11	1 23	12 19	2 39	20 45	0 32	22 15	0 56	15 41	7 24	13 8	13 26	15 9	15 10	6 52
M12	8 51	16 22	1 21	12 55	0 38	19 59	0 55	25 12	1 52	11 12	1 23	12 18	2 39	20 45	0 32	22 15	0 56	15 41	7 24	13 8	13 25	15 8	15 9	6 53
T 13	9 13	18 17	2 27	13 47	0 49	20 19	0 58	25 10	1 52	11 13	1 23	12 16	2 39	20 45	0 32	22 15	0 56	15 41	7 24	13 8	13 24	15 7	15 8	6 53
W14	9 34	19 15	3 25	14 37	1 0	20 39	1 1	25 8	1 51	11 14	1 23	12 15	2 39	20 45	0 32	22 15	0 56	15 41	7 24	13 9	13 23	15 5	15 8	6 54
T 15	9 56	19 16	4 11	15 26	1 10	20 58	1 4	25 5	1 51	11 15	1 23	12 13	2 39	20 45	0 32	22 15	0 56	15 42	7 24	13 9	13 22	15 4	15 7	6 54
F 16	10 17	18 24	4 46	16 13	1 21	21 16	1 7	25 3	1 50	11 16	1 22	12 12	2 39	20 44	0 33	22 15	0 56	15 42	7 24	13 9	13 20	15 2	15 6	6 55
S 17	10 38	16 43	5 8	16 58	1 31	21 34	1 10	25 0	1 50	11 17	1 22	12 11	2 39	20 44	0 33	22 15	0 56	15 42	7 23	13 9	13 19	15 1	15 6	6 56
S 18	10 59	14 21	5 17	17 41	1 40	21 51	1 13	24 57	1 49	11 17	1 22	12 9	2 39	20 44	0 33	22 15	0 56	15 42	7 23	13 9	13 18	14 59	15 5	6 56
M19	11 20	11 22	5 12	18 21	1 49	22 8	1 16	24 54	1 49	11 18	1 22	12 8	2 39	20 44	0 33	22 15	0 56	15 43	7 23	13 9	13 17	14 58	15 4	6 57
T 20	11 40	7 54	4 53	18 59	1 57	22 24	1 18	24 51	1 48	11 18	1 22	12 6	2 39	20 44	0 33	22 15	0 56	15 43	7 23	13 9	13 16	14 56	15 4	6 57
W21	12 1	4 5	4 22	19 35	2 5	22 40	1 21	24 48	1 48	11 19	1 22	12 5	2 39	20 44	0 33	22 15	0 56	15 43	7 23	13 9	13 15	14 55	15 3	6 58
T 22	12 21	0s 0	3 37	20 8	2 12	22 54	1 24	24 44	1 47	11 19	1 21	12 4	2 39	20 44	0 33	22 15	0 56	15 43	7 23	13 9	13 14	14 53	15 2	6 58
F 23	12 41	4 10	2 41	20 38	2 19	23 9	1 26	24 41	1 47	11 20	1 21	12 2	2 39	20 44	0 33	22 15	0 56	15 43	7 22	13 9	13 13	14 52	15 2	6 59
S 24	13 1	8 15	1 36	21 6	2 24	23 23	1 29	24 37	1 46	11 20	1 21	12 1	2 39	20 44	0 33	22 15	0 56	15 44	7 22	13 9	13 12	14 50	15 1	7 0
S 25	13 20	12 2	0 24	21 31	2 29	23 36	1 32	24 33	1 45	11 20	1 21	11 59	2 39	20 43	0 33	22 15	0 56	15 44	7 22	13 9	13 11	14 49	15 1	7 0
M26	13 39	15 16	0n51	21 54	2 32	23 48	1 34	24 29	1 45	11 20	1 21	11 58	2 39	20 43	0 33	22 15	0 56	15 44	7 22	13 9	13 10	14 47	15 0	7 1
T 27	13 59	17 42	2 4	22 15	2 35	24 0	1 37	24 25	1 44	11 20	1 21	11 56	2 39	20 43	0 33	22 15	0 56	15 44	7 22	13 9	13 9	14 46	14 59	7 1
W28	14 17	19 5	3 11	22 33	2 37	24 11	1 39	24 21	1 44	11 20	1 20	11 55	2 39	20 43	0 33	22 15	0 56	15 45	7 22	13 9	13 8	14 44	14 59	7 2
T 29	14 36	19 18	4 7	22 48	2 38	24 21	1 42	24 17	1 43	11 20	1 20	11 54	2 39	20 43	0 33	22 15	0 56	15 45	7 21	13 9	13 7	14 43	14 58	7 2

SWISS EPHEMERIS for the year 1660

MAY 1660 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	14 38 18	11♁11'04	24♃35	2♂110	17♂43	16♁44	3♃55	8°R29	0♁ 1	8°R54	19♂47	4°R47	4♂36	2♂20	20°R19
S 2	14 42 15	12° 9'06	8♁51	3° 2	18°53	17°18	3°56	8♂25	0° 1	8♃53	19°48	4°D46	4°32	2°27	20♃19
M 3	14 46 12	13° 7'07	23° 3	3°50	20° 4	17°51	3°56	8°20	0° 1	8°52	19°49	4♂46	4°29	2°34	20°19
T 4	14 50 8	14° 5'06	7♁ 9	4°32	21°14	18°25	3°57	8°16	0°R 1	8°51	19°51	4°47	4°26	2°41	20°18
W 5	14 54 5	15° 3'04	21° 5	5°10	22°24	18°58	3°58	8°11	0° 1	8°51	19°52	4°48	4°23	2°47	20°17
T 6	14 58 1	16° 1'01	4♂52	5°43	23°34	19°32	3°59	8° 7	0° 1	8°50	19°53	4°49	4°20	2°54	20°17
F 7	15 1 58	16°58'57	18°27	6°11	24°44	20° 6	4° 0	8° 2	0° 0	8°49	19°54	4°49	4°17	3° 1	20°16
S 8	15 5 54	17°56'51	1♃50	6°34	25°54	20°40	4° 1	7°58	0° 0	8°48	19°55	4°R50	4°13	3° 7	20°15
S 9	15 9 51	18°54'43	14°59	6°52	27° 4	21°14	4° 3	7°53	0° 0	8°47	19°57	4°50	4°10	3°14	20°14
M10	15 13 47	19°52'35	27°53	7° 5	28°14	21°48	4° 5	7°49	29♃59	8°46	19°58	4°49	4° 7	3°21	20°13
T 11	15 17 44	20°50'24	10♂33	7°13	29°23	22°22	4° 7	7°45	29°59	8°46	19°59	4°47	4° 4	3°28	20°12
W12	15 21 41	21°48'13	22°59	7°R16	0♁33	22°56	4° 9	7°40	29°59	8°45	20° 0	4°45	4° 1	3°34	20°11
T 13	15 25 37	22°45'59	5♁13	7°14	1°42	23°30	4°11	7°36	29°59	8°44	20° 2	4°42	3°58	3°41	20° 9
F 14	15 29 34	23°43'44	17°16	7° 8	2°51	24° 4	4°13	7°32	29°58	8°43	20° 3	4°39	3°54	3°48	20° 8
S 15	15 33 30	24°41'28	29°12	6°57	4° 1	24°39	4°16	7°28	29°58	8°42	20° 4	4°37	3°51	3°55	20° 7
S 16	15 37 27	25°39'10	11♂ 5	6°42	5°10	25°13	4°19	7°23	29°57	8°41	20° 6	4°35	3°48	4° 1	20° 5
M17	15 41 23	26°36'50	22°59	6°23	6°18	25°47	4°22	7°19	29°56	8°39	20° 7	4°D34	3°45	4° 8	20° 4
T 18	15 45 20	27°34'29	4♂59	6° 1	7°27	26°22	4°25	7°15	29°56	8°38	20° 8	4°35	3°42	4°15	20° 2
W19	15 49 16	28°32'06	17° 8	5°35	8°36	26°56	4°28	7°11	29°55	8°37	20° 9	4°36	3°38	4°21	20° 0
T 20	15 53 13	29°29'42	29°32	5° 7	9°45	27°31	4°32	7° 7	29°54	8°36	20°11	4°37	3°35	4°28	19°59
F 21	15 57 10	0♂27'16	12♁14	4°36	10°53	28° 5	4°35	7° 3	29°53	8°35	20°12	4°39	3°32	4°35	19°57
S 22	16 1 6	1°24'49	25°18	4° 4	12° 1	28°40	4°39	6°59	29°53	8°34	20°14	4°40	3°29	4°42	19°55
S 23	16 5 3	2°22'21	8♂46	3°31	13° 9	29°15	4°43	6°55	29°52	8°33	20°15	4°R40	3°26	4°48	19°53
M24	16 8 59	3°19'51	22°46	2°57	14°17	29°49	4°47	6°51	29°51	8°31	20°16	4°39	3°23	4°55	19°51
T 25	16 12 56	4°17'21	6♂48	2°23	15°25	0♂24	4°52	6°48	29°50	8°30	20°18	4°37	3°19	5° 2	19°49
W26	16 16 52	5°14'49	21°16	1°50	16°33	0°59	4°56	6°44	29°49	8°29	20°19	4°33	3°16	5° 9	19°47
T 27	16 20 49	6°12'16	5♃55	1°19	17°41	1°34	5° 1	6°40	29°48	8°28	20°20	4°29	3°13	5°15	19°45
F 28	16 24 45	7° 9'43	20°36	0°48	18°48	2° 9	5° 6	6°37	29°47	8°26	20°22	4°24	3°10	5°22	19°42
S 29	16 28 42	8° 7'09	5♁14	0°21	19°55	2°44	5°10	6°33	29°45	8°25	20°23	4°20	3° 7	5°29	19°40
S 30	16 32 39	9° 4'34	19°43	29♃55	21° 2	3°19	5°16	6°30	29°44	8°24	20°25	4°17	3° 4	5°35	19°38
M31	16 36 35	10♂ 1'58	3♁59	29♃33	22° 9	3♂54	5♂21	6♂26	29♃43	8♃22	20♂26	4°D16	3♂ 0	5♂42	19♃35

Day	☉		☽		♀		♂		♃		♄		♅		♆		♁		♂		♆		♁	
	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	15n13	16s 8	5n12	23n12	2n37	24n40	1n46	24n 3	1n42	11n19	1n20	11s51	2n39	20s43	0s33	22s15	0n56	15n45	7s21	13s 8	13s 4	14n40	14s57	7n 4
S 2	15 31	12 59	5 16	23 20	2 35	24 49	1 48	24 3	1 42	11 19	1 20	11 49	2 39	20 43	0 33	22 15	0 56	15 46	7 21	13 8	13 3	14 38	14 57	7 4
M 3	15 48	9 7	5 1	23 27	2 32	24 57	1 51	23 58	1 41	11 19	1 19	11 48	2 39	20 43	0 33	22 15	0 56	15 46	7 21	13 8	13 2	14 37	14 56	7 5
T 4	16 6	4 45	4 28	23 31	2 28	25 4	1 53	23 53	1 41	11 19	1 19	11 47	2 39	20 43	0 33	22 15	0 56	15 46	7 21	13 8	13 1	14 35	14 56	7 5
W 5	16 23	0 11	3 39	23 32	2 23	25 10	1 55	23 47	1 40	11 18	1 19	11 45	2 39	20 43	0 33	22 15	0 56	15 46	7 21	13 9	13 0	14 34	14 55	7 6
T 6	16 40	4n22	2 38	23 32	2 17	25 16	1 57	23 42	1 40	11 18	1 19	11 44	2 39	20 43	0 33	22 15	0 56	15 47	7 20	13 9	12 59	14 32	14 55	7 6
F 7	16 56	8 37	1 29	23 30	2 9	25 21	1 59	23 36	1 39	11 17	1 19	11 43	2 39	20 44	0 33	22 15	0 56	15 47	7 20	13 9	12 58	14 31	14 55	7 7
S 8	17 13	12 23	0 17	23 26	2 1	25 26	2 1	23 31	1 39	11 16	1 19	11 41	2 39	20 44	0 33	22 15	0 56	15 47	7 20	13 9	12 57	14 29	14 54	7 8
S 9	17 29	15 28	0s56	23 19	1 51	25 29	2 2	23 25	1 38	11 15	1 18	11 40	2 38	20 44	0 33	22 15	0 56	15 47	7 20	13 9	12 56	14 28	14 54	7 8
M10	17 44	17 43	2 4	23 11	1 41	25 32	2 4	23 19	1 38	11 15	1 18	11 39	2 38	20 44	0 33	22 15	0 56	15 47	7 20	13 9	12 55	14 26	14 53	7 9
T 11	18 0	19 1	3 5	23 1	1 29	25 34	2 6	23 13	1 37	11 14	1 18	11 37	2 38	20 44	0 33	22 15	0 56	15 48	7 20	13 8	12 54	14 24	14 53	7 9
W12	18 15	19 23	3 55	22 49	1 17	25 36	2 7	23 7	1 36	11 13	1 18	11 36	2 38	20 44	0 33	22 15	0 57	15 48	7 20	13 8	12 53	14 23	14 53	7 10
T 13	18 30	18 49	4 34	22 36	1 3	25 37	2 9	23 0	1 36	11 12	1 18	11 35	2 38	20 44	0 33	22 15	0 57	15 48	7 19	13 7	12 52	14 21	14 52	7 10
F 14	18 44	17 24	5 1	22 20	0 49	25 37	2 10	22 54	1 35	11 11	1 17	11 33	2 38	20 44	0 33	22 15	0 57	15 48	7 19	13 6	12 51	14 20	14 52	7 11
S 15	18 58	15 14	5 13	22 4	0 34	25 37	2 11	22 47	1 35	11 10	1 17	11 32	2 38	20 44	0 33	22 15	0 57	15 48	7 19	13 5	12 49	14 18	14 52	7 11
S 16	19 12	12 27	5 13	21 45	0 18	25 35	2 13	22 41	1 34	11 8	1 17	11 31	2 38	20 45	0 34	22 15	0 57	15 49	7 19	13 4	12 48	14 17	14 51	7 12
M17	19 26	9 10	4 59	21 26	0 1	25 33	2 14	22 34	1 34	11 7	1 17	11 30	2 38	20 45	0 34	22 15	0 57	15 49	7 19	13 4	12 47	14 15	14 51	7 12
T 18	19 39	5 29	4 32	21 6	0s16	25 31	2 15	22 27	1 33	11 6	1 17	11 28	2 38	20 45	0 34	22 15	0 57	15 49	7 19	13 4	12 46	14 14	14 51	7 13
W19	19 52	1 32	3 52	20 44	0 33	25 28	2 16	22 19	1 33	11 4	1 16	11 27	2 37	20 45	0 34	22 16	0 57	15 49	7 19	13 4	12 45	14 12	14 50	7 13
T 20	20 5	2s35	3 1	20 22	0 50	25 24	2 17	22 12	1 32	11 3	1 16	11 26	2 37	20 45	0 34	22 16	0 57	15 49	7 19	13 5	12 44	14 11	14 50	7 14
F 21	20 17	6 41	2 0	19 59	1 8	25 19	2 18	22 5	1 32	11 1	1 16	11 25	2 37	20 45	0 34	22 16	0 57	15 50	7 19	13 6	12 43	14 9	14 50	7 14
S 22	20 29	10 36	0 51	19 36	1 25	25 14	2 18	21 57	1 31	11 0	1 16	11 24	2 37	20 46	0 34	22 16	0 57	15 50	7 19	13 6	12 42	14 8	14 50	7 15
S 23	20 40	14 5	0n22	19 13	1 42	25 8	2 19	21 49	1 31	10 58	1 16	11 23	2 37	20 46	0 34	22 16	0 57	15 50	7 18	13 6	12 41	14 6	14 50	7 15
M24	20 52	16 54	1 37	18 50	1 59	25 1	2 19	21 42	1 30	10 57	1 16	11 22	2 37	20 46	0 34	22 16	0 57	15 50	7 18	13 6	12 40	14 4	14 49	7 16
T 25	21 2	18 45	2 47	18 28	2 15	24 54	2 20	21 34	1 30	10 55	1 15	11 20	2 37	20 46	0 34	22 16	0 57	15 50	7 18	13 5	12 39	14 3	14 49	7 16
W26	21 13	19 25	3 48	18 6	2 31	24 46	2 20	21 26	1 29	10 53	1 15	11 19	2 36	20 47	0 34	22 16	0 57	15 51	7 18	13 4	12 38	14 1	14 49	7 17
T 27	21 23	18 47	4 34	17 46	2 45	24 38	2 20	21 17	1 29	10 51	1 15	11 18	2 36	20 47	0 34	22 16	0 57	15 51	7 18	13 4	12 36	14 0	14 49	7 17
F 28	21 33	16 55	5 3	17 26	2 59	24 29	2 20	21 9	1 28	10 49	1 15	11 17	2 36	20 47	0 34	22 16	0 57	15 51	7 18	13 1	12 35	13 58	14 49	7 18

SWISS EPHEMERIS for the year 1660

JUNE 1660 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	16 40 32	10II59'22	17K58	29°R15	23°26'16	4Ω29	5M26	6°R23	29°R42	8°R21	20II27	4M16	2M57	5Ω49	19°R33								
W 2	16 44 28	11°56'45	1Y42	29°8 0	24°23	5° 4	5°32	6M20	29°340	8°19	20°29	4°17	2°54	5°56	19°30								
T 3	16 48 25	12°54'07	15° 9	28°49	25°29	5°39	5°37	6°17	29°39	8°18	20°30	4°18	2°51	6° 2	19°28								
F 4	16 52 21	13°51'29	28°22	28°43	26°36	6°15	5°43	6°14	29°38	8°17	20°32	4°R20	2°48	6° 9	19°25								
S 5	16 56 18	14°48'51	11822	28°D41	27°42	6°50	5°49	6°10	29°36	8°15	20°33	4°19	2°44	6°16	19°22								
S 6	17 0 14	15°46'12	24° 9	28°43	28°48	7°25	5°55	6° 7	29°35	8°14	20°34	4°18	2°41	6°22	19°19								
M 7	17 4 11	16°43'32	6II45	28°50	29°54	8° 1	6° 1	6° 5	29°33	8°12	20°36	4°14	2°38	6°29	19°17								
T 8	17 8 8	17°40'52	19°10	29° 1	0Ω59	8°36	6° 8	6° 2	29°32	8°11	20°37	4° 8	2°35	6°36	19°14								
W 9	17 12 4	18°38'11	1825	29°17	2° 5	9°12	6°14	5°59	29°30	8° 9	20°39	4° 1	2°32	6°43	19°11								
T 10	17 16 1	19°35'29	13°32	29°37	3°10	9°47	6°21	5°56	29°28	8° 8	20°40	3°53	2°29	6°49	19° 8								
F 11	17 19 57	20°32'47	25°32	0II 2	4°15	10°23	6°28	5°54	29°27	8° 6	20°41	3°44	2°25	6°56	19° 5								
S 12	17 23 54	21°30'04	7Ω26	0°31	5°20	10°58	6°35	5°51	29°25	8° 5	20°43	3°36	2°22	7° 3	19° 2								
S 13	17 27 50	22°27'20	19°17	1° 5	6°24	11°34	6°42	5°49	29°23	8° 3	20°44	3°30	2°19	7°10	18°59								
M14	17 31 47	23°24'36	1M10	1°43	7°29	12°10	6°49	5°47	29°21	8° 2	20°46	3°25	2°16	7°16	18°56								
T 15	17 35 43	24°21'50	13° 7	2°26	8°33	12°45	6°56	5°44	29°20	8° 0	20°47	3°23	2°13	7°23	18°52								
W16	17 39 40	25°19'04	25°14	3°12	9°37	13°21	7° 4	5°42	29°18	7°58	20°49	3°D22	2°10	7°30	18°49								
T 17	17 43 37	26°16'18	7Ω35	4° 3	10°40	13°57	7°11	5°40	29°16	7°57	20°50	3°22	2° 6	7°36	18°46								
F 18	17 47 33	27°13'31	20°15	4°58	11°44	14°33	7°19	5°38	29°14	7°55	20°51	3°23	2° 3	7°43	18°43								
S 19	17 51 30	28°10'43	3M19	5°56	12°47	15° 9	7°27	5°36	29°12	7°54	20°53	3°R24	2° 0	7°50	18°39								
S 20	17 55 26	29° 7'54	16°50	6°59	13°50	15°45	7°35	5°35	29°10	7°52	20°54	3°23	1°57	7°57	18°36								
M21	17 59 23	0Ω 5'06	0M48	8° 6	14°52	16°21	7°43	5°33	29° 8	7°51	20°56	3°20	1°54	8° 3	18°33								
T 22	18 3 19	1° 2'16	15°13	9°16	15°55	16°57	7°51	5°31	29° 6	7°49	20°57	3°15	1°50	8°10	18°29								
W23	18 7 16	1°59'27	29°59	10°30	16°57	17°33	7°59	5°30	29° 4	7°47	20°58	3° 8	1°47	8°17	18°26								
T 24	18 11 12	2°56'38	15Ω 0	11°48	17°58	18° 9	8° 8	5°28	29° 2	7°46	21° 0	3° 0	1°44	8°24	18°22								
F 25	18 15 9	3°53'48	0Ω 6	13°10	19° 0	18°45	8°16	5°27	29° 0	7°44	21° 1	2°51	1°41	8°30	18°19								
S 26	18 19 6	4°50'58	15° 6	14°35	20° 1	19°21	8°25	5°26	28°58	7°42	21° 3	2°43	1°38	8°37	18°15								
S 27	18 23 2	5°48'09	29°53	16° 4	21° 2	19°57	8°33	5°25	28°56	7°41	21° 4	2°36	1°35	8°44	18°12								
M28	18 26 59	6°45'19	14K20	17°36	22° 2	20°34	8°42	5°23	28°54	7°39	21° 5	2°32	1°31	8°50	18° 8								
T 29	18 30 55	7°42'30	28°25	19°12	23° 2	21°10	8°51	5°23	28°51	7°38	21° 7	2°30	1°28	8°57	18° 5								
W30	18 34 52	8Ω39'41	12Y 6	20II52	24Ω 2	21Ω46	9M 0	5M22	28Ω49	7Ω36	21II 8	2°D30	1M25	9Ω 4	18Ω 1								

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	22n 8	1s18	3n46	16n25	3s42	23n46	2n20	20n34	1n26	10n41	1n14	11s14	2n35	20s48	0s34	22s16	0n57	15n52	7s18	12s58	12s31	13n52	14s48	7n19
W 2	22 16	3n15	2 48	16 14	3 50	23 34	2 19	20 25	1 26	10 39	1 14	11 13	2 35	20 49	0 34	22 17	0 57	15 52	7 18	12 58	12 30	13 50	14 48	7 20
T 3	22 23	7 33	1 42	16 5	3 56	23 21	2 19	20 16	1 25	10 36	1 14	11 12	2 35	20 49	0 34	22 17	0 57	15 52	7 18	12 59	12 29	13 49	14 48	7 20
F 4	22 30	11 25	0 32	15 59	4 1	23 8	2 18	20 7	1 25	10 34	1 14	11 11	2 35	20 49	0 34	22 17	0 57	15 52	7 17	12 59	12 28	13 47	14 48	7 20
S 5	22 37	14 40	0s38	15 55	4 5	22 54	2 17	19 57	1 24	10 32	1 13	11 10	2 35	20 50	0 34	22 17	0 57	15 52	7 17	12 59	12 27	13 46	14 48	7 21
S 6	22 43	17 8	1 45	15 52	4 8	22 39	2 16	19 48	1 24	10 29	1 13	11 9	2 34	20 50	0 34	22 17	0 57	15 52	7 17	12 58	12 26	13 44	14 48	7 21
M 7	22 49	18 44	2 46	15 52	4 10	22 25	2 15	19 38	1 23	10 27	1 13	11 9	2 34	20 50	0 34	22 17	0 57	15 53	7 17	12 57	12 25	13 43	14 48	7 22
T 8	22 55	19 25	3 38	15 54	4 10	22 9	2 14	19 28	1 23	10 24	1 13	11 8	2 34	20 51	0 34	22 17	0 57	15 53	7 17	12 55	12 23	13 41	14 48	7 22
W 9	23 0 19	9 4	4 20	15 58	4 9	21 53	2 13	19 18	1 22	10 22	1 13	11 7	2 34	20 51	0 34	22 17	0 57	15 53	7 17	12 53	12 22	13 39	14 48	7 22
T 10	23 4 18	1 4	4 48	16 4	4 7	21 37	2 11	19 8	1 22	10 19	1 13	11 7	2 34	20 51	0 34	22 17	0 57	15 53	7 17	12 50	12 21	13 38	14 48	7 23
F 11	23 9 16	5 4	5 16	12 4	5 21	20 2	2 10	18 58	1 21	10 17	1 12	11 6	2 33	20 52	0 34	22 17	0 57	15 53	7 17	12 47	12 20	13 36	14 49	7 23
S 12	23 12 13	30 5	7 16	22 4	1 21	2 2	8 18	48 1	20 10	14 1	12 11	5	2 33	20 52	0 34	22 17	0 57	15 53	7 17	12 44	12 19	13 35	14 49	7 23
S 13	23 16 10	23 4	56 16	33 3	56 20	44 2	6 18	38 1	20 10	11 1	12 11	5	2 33	20 52	0 34	22 18	0 57	15 53	7 17	12 42	12 18	13 33	14 49	7 24
M14	23 19 6	50 4	32 16	46 3	51 20	26 2	4 18	27 1	19 10	8 1	12 11	4	2 33	20 53	0 34	22 18	0 57	15 54	7 17	12 41	12 17	13 31	14 49	7 24
T 15	23 22 3	0 3	57 17	1 3	45 20	7 2	2 18	16 1	19 10	5 1	12 11	4	2 32	20 53	0 34	22 18	0 57	15 54	7 17	12 40	12 16	13 30	14 49	7 24
W16	23 24 1s	1	3 10	17 16	3 38	19 48	2 0	18 6	1 18	10 2	1 12	11 3	2 32	20 54	0 34	22 18	0 57	15 54	7 17	12 39	12 15	13 28	14 49	7 24
T 17	23 26 5	4 2	14 17	33 3	30 19	29 1	58 17	55 1	18 10	0 1	11 11	3	2 32	20 54	0 34	22 18	0 57	15 54	7 17	12 40	12 14	13 27	14 49	7 25
F 18	23 27 9	1 10	17 51	3 22	19 9	1 55	17 44	1 17	9 57	1 11	11 2	2 32	20 55	0 34	22 18	0 57	15 54	7 17	12 40	12 12	13 25	14 49	7 25	
S 19	23 28 12	39 0	0 18	10 3	13 18	48 1	53 17	33 1	17 9	53 1	11 11	2	2 31	20 55	0 34	22 18	0 57	15 54	7 17	12 40	12 11	13 24	14 50	7 25
S 20	23 29 15	45 1n11	18 30	3 3	18 27	1 50	17 22	1 16	9 50	1 11	11 2	2 31	20 55	0 35	22 18	0 57	15 54	7 17	12 40	12 10	13 22	14 50	7 25	
M21	23 29 18	3 2	21 18	51 2	53 18	6 1	47 17	10 1	16 9	47 1	11 11	1	2 31	20 56	0 35	22 18	0 57	15 54	7 17	12 39	12 9	13 20	14 50	7 26
T 22	23 29 19	17 3	24 19	12 2	43 17	45 1	44 16	59 1	15 9	44 1	11 11	1	2 31	20 56	0 35	22 18	0 57	15 55	7 17	12 37	12 8	13 19	14 50	7 26
W23	23 28 19	14 4	15 19	33 2	32 17	23 1	41 16	47 1	15 9	41 1	11 11	1	2 30	20 57	0 35	22 18	0 57	15 55	7 17	12 35	12 7	13 17	14 51	7 26
T 24	23 27 17	51 4	49 19	55 2	20 17	1 1	37 16	36 1	14 9	38 1	10 11	0	2 30	20 57	0 35	22 19	0 57	15 55	7 17	12 32	12 6	13 16	14 51	7 26
F 25	23 25 15	13 5	4 20	17 2	9 16	39 1	34 16	24 1	14 9	34 1	10 11	0	2 30	20 58	0 35	22 19	0 57	15 55	7 17	12 29	12 5	13 14	14 51	7 26
S 26	23 24 21	36 4	57 20	39 1	57 16	16 1	30 16	12 1	13 9	31 1	10 11	0	2 30	20 58	0 35	22 19	0 57	15 55	7 17	12 26	12 4	13 12	14 51	7 27
S 27	23 21 7	18 4	31 21	1 1	45 15	53 1	27 16	0 1	13 9	27 1	10 11	0	2 29	20 58	0 35	22 19	0 57	15 55	7 17	12 24	12 3	13 11	14 52	7 27
M28	23 19 2	41 3	47 21	22 1	33 15	30 1	23 15	48 1	12 9	24 1	10 11	0	2 29	20 59	0 35	22 19	0 57	15 55	7 17	12 23	12 1	13 9	14 52	7 27
T 29	23 15 1n59	2 51	21 43	1 20	15 6	1 19																		

SWISS EPHEMERIS for the year 1660

JULY 1660 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
T 1	18 38 48	9 <sup>h</sup> 36'53"	25 <sup>h</sup> 57'25"	22 <sup>h</sup> 34'	25 <sup>h</sup> 02' 2	22 <sup>h</sup> 02'3	9 <sup>h</sup> 09' 9	5°R21	28°R47	7°R34	21 <sup>h</sup> 10'	2°R30	1 <sup>h</sup> 22'	9 <sup>h</sup> 11'	17°R58	
F 2	18 42 45	10°34'05"	8 <sup>h</sup> 25'	24°20'	26° 1	22°59'	9°19'	5 <sup>h</sup> 20'	28 <sup>h</sup> 45'	7 <sup>h</sup> 33'	21°11'	2 <sup>h</sup> 30'	1°19'	9°17'	17 <sup>h</sup> 54'	
S 3	18 46 41	11°31'17"	21° 9	26° 9	26°59'	23°35'	9°28'	5°20'	28°43'	7°31'	21°12'	2°29'	1°16'	9°24'	17°50'	
S 4	18 50 38	12°28'30"	3 <sup>h</sup> 40'	28° 1	27°58'	24°12'	9°37'	5°19'	28°40'	7°29'	21°14'	2°25'	1°12'	9°31'	17°47'	
M 5	18 54 35	13°25'43"	16° 0	29°56'	28°56'	24°49'	9°47'	5°19'	28°38'	7°28'	21°15'	2°19'	1° 9	9°37'	17°43'	
T 6	18 58 31	14°22'56"	28°12'	1 <sup>h</sup> 53'	29°53'	25°25'	9°57'	5°18'	28°36'	7°26'	21°16'	2°10'	1° 6	9°44'	17°39'	
W 7	19 2 28	15°20'10"	10 <sup>h</sup> 17'	3°53'	0 <sup>h</sup> 50'	26° 2	10° 6	5°18'	28°33'	7°25'	21°18'	1°58'	1° 3	9°51'	17°36'	
T 8	19 6 24	16°17'24"	22°16'	5°55'	1°47'	26°38'	10°16'	5°D18	28°31'	7°23'	21°19'	1°45'	1° 0	9°58'	17°32'	
F 9	19 10 21	17°14'38"	4 <sup>h</sup> 01'	7°59'	2°43'	27°15'	10°26'	5°18'	28°29'	7°21'	21°20'	1°32'	0°56'	10° 4	17°29'	
S 10	19 14 17	18°11'53"	16° 3	10° 4	3°39'	27°52'	10°36'	5°18'	28°26'	7°20'	21°22'	1°20'	0°53'	10°11'	17°25'	
S 11	19 18 14	19° 9'08"	27°54'	12°10'	4°34'	28°29'	10°46'	5°19'	28°24'	7°18'	21°23'	1° 9	0°50'	10°18'	17°21'	
M12	19 22 10	20° 6'23"	9 <sup>h</sup> 46'	14°17'	5°28'	29° 6	10°56'	5°19'	28°22'	7°17'	21°24'	1° 0	0°47'	10°25'	17°18'	
T 13	19 26 7	21° 3'38"	21°43'	16°25'	6°22'	29°42'	11° 7	5°19'	28°19'	7°15'	21°25'	0°55'	0°44'	10°31'	17°14'	
W14	19 30 4	22° 0'53"	3 <sup>h</sup> 48'	18°33'	7°16'	0 <sup>h</sup> 19'	11°17'	5°20'	28°17'	7°14'	21°27'	0°52'	0°41'	10°38'	17°10'	
T 15	19 34 0	22°58'09"	16° 7	20°42'	8° 9	0°56'	11°27'	5°20'	28°15'	7°12'	21°28'	0°51'	0°37'	10°45'	17° 7	
F 16	19 37 57	23°55'25"	28°43'	22°49'	9° 1	1°33'	11°38'	5°21'	28°12'	7°11'	21°29'	0°51'	0°34'	10°51'	17° 3	
S 17	19 41 53	24°52'41"	11 <sup>h</sup> 43'	24°57'	9°53'	2°10'	11°48'	5°22'	28°10'	7° 9	21°30'	0°50'	0°31'	10°58'	17° 0	
S 18	19 45 50	25°49'58"	25° 9	27° 4	10°44'	2°47'	11°59'	5°23'	28° 7	7° 7	21°32'	0°49'	0°28'	11° 5	16°56'	
M19	19 49 46	26°47'15"	9 <sup>h</sup> 5	29° 9	11°35'	3°24'	12°10'	5°24'	28° 5	7° 6	21°33'	0°45'	0°25'	11°12'	16°52'	
T 20	19 53 43	27°44'33"	23°30'	1 <sup>h</sup> 14'	12°25'	4° 2	12°21'	5°25'	28° 3	7° 4	21°34'	0°39'	0°22'	11°18'	16°49'	
W21	19 57 39	28°41'51"	8 <sup>h</sup> 21'	3°18'	13°14'	4°39'	12°31'	5°26'	28° 0	7° 3	21°35'	0°31'	0°18'	11°25'	16°45'	
T 22	20 1 36	29°39'09"	23°31'	5°20'	14° 2	5°16'	12°42'	5°27'	27°58'	7° 2	21°36'	0°20'	0°15'	11°32'	16°42'	
F 23	20 5 33	0 <sup>h</sup> 36'29"	8 <sup>h</sup> 50'	7°21'	14°50'	5°53'	12°53'	5°29'	27°55'	7° 0	21°37'	0°10'	0°12'	11°38'	16°38'	
S 24	20 9 29	1°33'49"	24° 6	9°20'	15°36'	6°31'	13° 5	5°30'	27°53'	6°59'	21°39'	29 <sup>h</sup> 59'	0° 9	11°45'	16°35'	
S 25	20 13 26	2°31'10"	9 <sup>h</sup> 9	11°18'	16°22'	7° 8	13°16'	5°32'	27°51'	6°57'	21°40'	29°51'	0° 6	11°52'	16°31'	
M26	20 17 22	3°28'32"	23°49'	13°14'	17° 7	7°45'	13°27'	5°33'	27°48'	6°56'	21°41'	29°46'	0° 2	11°59'	16°28'	
T 27	20 21 19	4°25'55"	8 <sup>h</sup> 4	15° 9	17°52'	8°23'	13°38'	5°35'	27°46'	6°54'	21°42'	29°43'	29 <sup>h</sup> 59'	12° 5	16°25'	
W28	20 25 15	5°23'19"	21°51'	17° 2	18°35'	9° 0	13°50'	5°37'	27°43'	6°53'	21°43'	29°42'	29°56'	12°12'	16°21'	
T 29	20 29 12	6°20'45"	5 <sup>h</sup> 11'	18°54'	19°17'	9°38'	14° 1	5°39'	27°41'	6°52'	21°44'	29°42'	29°53'	12°19'	16°18'	
F 30	20 33 8	7°18'11"	18° 8	20°44'	19°59'	10°15'	14°12'	5°41'	27°39'	6°50'	21°45'	29°41'	29°50'	12°26'	16°15'	
S 31	20 37 5	8 <sup>h</sup> 15'40"	0 <sup>h</sup> 46'	22 <sup>h</sup> 32'	20 <sup>h</sup> 39'	10 <sup>h</sup> 53'	14 <sup>h</sup> 24'	5 <sup>h</sup> 43'	27 <sup>h</sup> 36'	6 <sup>h</sup> 49'	21 <sup>h</sup> 46'	29 <sup>h</sup> 40'	29 <sup>h</sup> 47'	12 <sup>h</sup> 32'	16 <sup>h</sup> 11'	

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	23n 8	10n26	0n38	22n21	0s55	14n18	1n10	15n12	1n11	9n13	1n10	11s 0	2n28	21s 0	0s35	22s19
F 2	23 4	13 50	0s31	22 39	0 43	13 54	1 6	14 59	1 10	9 10	1 9	11 0	2 28	21 1	0 35	22 19
S 3	22 59	16 31	1 37	22 55	0 30	13 30	1 1	14 47	1 10	9 6	1 9	11 0	2 28	21 1	0 35	22 20
S 4	22 54	18 21	2 37	23 10	0 18	13 5	0 56	14 34	1 9	9 3	1 9	11 0	2 28	21 2	0 35	22 20
M 5	22 48	19 17	3 29	23 23	0 6	12 40	0 51	14 21	1 9	8 59	1 9	11 0	2 27	21 2	0 35	22 20
T 6	22 42	19 18	4 10	23 33	0n 5	12 15	0 46	14 8	1 8	8 55	1 9	11 0	2 27	21 3	0 35	22 20
W 7	22 36	18 26	4 40	23 42	0 17	11 50	0 41	13 55	1 8	8 51	1 9	11 0	2 27	21 3	0 35	22 20
T 8	22 29	16 45	4 57	23 48	0 27	11 25	0 36	13 42	1 7	8 47	1 9	11 1	2 27	21 4	0 35	22 20
F 9	22 22	14 23	5 0	23 52	0 38	10 59	0 30	13 29	1 7	8 44	1 9	11 1	2 26	21 4	0 35	22 20
S 10	22 15	11 25	4 51	23 53	0 47	10 34	0 24	13 16	1 6	8 40	1 8	11 1	2 26	21 5	0 35	22 20
S 11	22 7 8	1 4	29	23 52	0 56	10 8	0 18	13 3	1 6	8 36	1 8	11 1	2 26	21 5	0 35	22 20
M12	21 58	4 17	3 55	23 47	1 5	9 43	0 12	12 50	1 5	8 32	1 8	11 2	2 25	21 6	0 35	22 20
T 13	21 50	0 22	3 11	23 40	1 12	9 17	0 6	12 36	1 5	8 28	1 8	11 2	2 25	21 6	0 35	22 21
W14	21 41	3s37	2 18	23 30	1 19	8 51	0s 0	12 23	1 4	8 24	1 8	11 3	2 25	21 7	0 35	22 21
T 15	21 31	7 32	1 17	23 18	1 26	8 25	0 7	12 9	1 4	8 20	1 8	11 3	2 25	21 7	0 35	22 21
F 16	21 22	11 13	0 11	23 2	1 31	7 59	0 14	11 55	1 3	8 16	1 8	11 4	2 24	21 8	0 35	22 21
S 17	21 11	14 28	0n57	22 45	1 36	7 34	0 21	11 42	1 3	8 11	1 8	11 4	2 24	21 8	0 35	22 21
S 18	21 1 17	4 2	5 22	22 4	1 39	7 8	0 28	11 28	1 2	8 7	1 8	11 5	2 24	21 9	0 35	22 21
M19	20 50	18 46	3 7	22 2	1 42	6 42	0 35	11 14	1 1	8 3	1 8	11 5	2 24	21 9	0 35	22 21
T 20	20 39	19 19	4 0	21 37	1 45	6 16	0 42	11 0	1 1	7 59	1 7	11 6	2 23	21 10	0 35	22 21
W21	20 27	18 35	4 38	21 11	1 46	5 50	0 50	10 46	1 0	7 55	1 7	11 6	2 23	21 10	0 35	22 21
T 22	20 16	16 32	4 58	20 42	1 47	5 25	0 57	10 32	1 0	7 50	1 7	11 7	2 23	21 11	0 35	22 21
F 23	20 3 13	18 4	4 57	20 12	1 47	4 59	1 5	10 17	0 59	7 46	1 7	11 8	2 23	21 11	0 35	22 22
S 24	19 51	9 11	4 35	19 40	1 47	4 33	1 13	10 3	0 59	7 42	1 7	11 9	2 22	21 12	0 35	22 22
S 25	19 38	4 33	3 53	19 7	1 46	4 8	1 22	9 49	0 58	7 37	1 7	11 9	2 22	21 12	0 35	22 22
M26	19 25	0n15	2 57	18 32	1 44	3 43	1 30	9 34	0 58	7 33	1 7	11 10	2 22	21 13	0 35	22 22
T 27	19 11	4 55	1 52	17 57	1 42	3 18	1 38	9 20	0 57	7 28	1 7	11 11	2 21	21 13	0 35	22 22
W28	18 57	9 10	0 41	17 20	1 39	2 53	1 47	9 5	0 57	7 24	1 7	11 12	2 21	21 13	0 35	22 22
T 29	18 43	12 49	0s29	16 42	1 36	2 28	1 56	8 50	0 56	7 19	1 7	11 13	2 21	21 14	0 35	22 22
F 30	18 29	15 43	1 36	16 4	1 32	2 4	2 5	8 36	0 56	7 15	1 7	11 14	2 21	21 14	0 35	22 22
S 31	18n14	17n48	2s36	15n24	1n28	1n39	2s14	8n21	0n55	7n10	1n 7	11s15	2n20	21s15	0s35	22s22

Julian Day Number = 2327544.5, Delta T = 34.94 sec  
 Ecliptic obliquity = 23°28'52", Nutation = 0°00'09"  
 Ayanamsha: Fagan/Bradley = 20°00'06", Lahiri = 19°07'06"Greg. Calendar

SWISS EPHEMERIS for the year 1660

AUGUST 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 41 2	9♈13'09	13♋ 8	24♌19	21♍18	11♎30	14♏36	5♐45	27°R34	6°R48	21♑47	29°R36	29♒43	12♓39	16°R 8
M 2	20 44 58	10°10'40	25°19	26° 4	21°56	12° 8	14°47	5°48	27°32	6°46	21°48	29°29	29°40	12°46	16° 5
T 3	20 48 55	11° 8'12	7♌22	27°48	22°33	12°46	14°59	5°50	27°29	6°45	21°49	29°20	29°37	12°52	16° 2
W 4	20 52 51	12° 5'45	19°19	29°30	23° 9	13°24	15°11	5°52	27°27	6°44	21°50	29° 8	29°34	12°59	15°59
T 5	20 56 48	13° 3'19	1♌13	1♍11	23°44	14° 1	15°23	5°55	27°25	6°43	21°51	28°55	29°31	13° 6	15°56
F 6	21 0 44	14° 0'55	13° 5	2°50	24°17	14°39	15°34	5°58	27°22	6°41	21°52	28°42	29°27	13°13	15°53
S 7	21 4 41	14°58'32	24°57	4°27	24°49	15°17	15°46	6° 0	27°20	6°40	21°53	28°29	29°24	13°19	15°50
S 8	21 8 37	15°56'10	6♍49	6° 3	25°20	15°55	15°58	6° 3	27°18	6°39	21°54	28°18	29°21	13°26	15°47
M 9	21 12 34	16°53'49	18°45	7°38	25°49	16°33	16°10	6° 6	27°16	6°38	21°55	28° 9	29°18	13°33	15°44
T 10	21 16 31	17°51'29	0♌46	9°10	26°16	17°11	16°22	6° 9	27°14	6°37	21°56	28° 3	29°15	13°39	15°41
W 11	21 20 27	18°49'10	12°55	10°42	26°42	17°49	16°35	6°12	27°11	6°36	21°57	28° 0	29°12	13°46	15°38
T 12	21 24 24	19°46'53	25°15	12°12	27° 7	18°27	16°47	6°16	27° 9	6°35	21°57	27°D59	29° 8	13°53	15°36
F 13	21 28 20	20°44'36	7♌52	13°40	27°30	19° 5	16°59	6°19	27° 7	6°33	21°58	28° 0	29° 5	14° 0	15°33
S 14	21 32 17	21°42'21	20°48	15° 7	27°51	19°43	17°11	6°22	27° 5	6°32	21°59	28°R 0	29° 2	14° 6	15°30
S 15	21 36 13	22°40'06	4♌ 9	16°32	28°10	20°22	17°24	6°26	27° 3	6°31	22° 0	27°59	28°59	14°13	15°28
M 16	21 40 10	23°37'53	17°57	17°56	28°27	21° 0	17°36	6°29	27° 1	6°30	22° 1	27°57	28°56	14°20	15°25
T 17	21 44 6	24°35'42	2♌12	19°17	28°42	21°38	17°48	6°33	26°59	6°30	22° 1	27°52	28°53	14°26	15°23
W 18	21 48 3	25°33'31	16°54	20°38	28°56	22°16	18° 1	6°37	26°57	6°29	22° 2	27°46	28°49	14°33	15°20
T 19	21 52 0	26°31'21	1♌57	21°56	29° 7	22°55	18°13	6°40	26°55	6°28	22° 3	27°37	28°46	14°40	15°18
F 20	21 55 56	27°29'13	17°13	23°13	29°16	23°33	18°26	6°44	26°53	6°27	22° 4	27°28	28°43	14°47	15°16
S 21	21 59 53	28°27'07	2♌30	24°28	29°23	24°12	18°38	6°48	26°51	6°26	22° 4	27°20	28°40	14°53	15°14
S 22	22 3 49	29°25'01	17°37	25°41	29°28	24°50	18°51	6°52	26°49	6°25	22° 5	27°13	28°37	15° 0	15°11
M 23	22 7 46	0♍22'58	2♌26	26°53	29°31	25°29	19° 3	6°56	26°47	6°24	22° 6	27° 9	28°33	15° 7	15° 9
T 24	22 11 42	1°20'56	16°50	28° 2	29°R31	26° 7	19°16	7° 0	26°45	6°24	22° 6	27° 6	28°30	15°13	15° 7
W 25	22 15 39	2°18'56	0♌45	29° 9	29°29	26°46	19°28	7° 5	26°43	6°23	22° 7	27°D 6	28°27	15°20	15° 5
T 26	22 19 35	3°16'58	14°12	0♌14	29°25	27°25	19°41	7° 9	26°42	6°22	22° 7	27° 7	28°24	15°27	15° 3
F 27	22 23 32	4°15'03	27°13	1°16	29°18	28° 3	19°54	7°13	26°40	6°21	22° 8	27° 8	28°21	15°34	15° 2
S 28	22 27 29	5°13'09	9♌52	2°16	29° 9	28°42	20° 6	7°18	26°38	6°21	22° 8	27°R 8	28°18	15°40	15° 0
S 29	22 31 25	6°11'17	2°13	3°14	28°58	29°21	20°19	7°22	26°36	6°20	22° 9	27° 6	28°14	15°47	14°58
M 30	22 35 22	7° 9'27	4♌21	4° 9	28°44	29°59	20°32	7°27	26°35	6°20	22° 9	27° 3	28°11	15°54	14°57
T 31	22 39 18	8♌ 7'39	16♌20	5♌ 0	28♌28	0♌39	20♌45	7♌32	26°33	6°19	22°10	26°57	28° 8	16♌ 1	14°55

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat										
S 1	17n59	18n58	3s28	14n45	1n23	1n15	2s24	8n 6	0n55	7n 6	1n 6	11s16	2n20	21s15	0s35	22s22	0n56	15n57	7s18	11s21	11s24	12n14	15s 8	7n25	
M 2	17 43	19 15	4 9	14 4	1 18	0 51	2 33	7 51	0 54	7 1	1 6	11 17	2 20	21 16	0 35	22 23	0 56	15 56	7 18	11 19	11 23	12 12	15 8	7 25	
T 3	17 28	18 38	4 39	13 23	1 12	0 28	2 43	7 36	0 54	6 57	1 6	11 18	2 20	21 16	0 35	22 23	0 56	15 56	7 18	11 15	11 21	12 10	15 9	7 25	
W 4	17 12	17 12	4 56	12 42	1 7	0 5	2 53	7 21	0 53	6 52	1 6	11 19	2 19	21 17	0 35	22 23	0 56	15 56	7 18	11 11	11 20	12 9	15 10	7 25	
T 5	16 56	15 2	5 0	12 1	1 0	0s18	3 3	7 6	0 53	6 47	1 6	11 20	2 19	21 17	0 35	22 23	0 56	15 56	7 18	11 7	11 19	12 7	15 10	7 24	
F 6	16 39	12 16	4 51	11 19	0 54	0 41	3 13	6 51	0 52	6 43	1 6	11 21	2 19	21 18	0 35	22 23	0 56	15 56	7 18	11 2	11 18	12 5	15 11	7 24	
S 7	16 22	8 59	4 30	10 37	0 47	1 3	3 23	6 36	0 51	6 38	1 6	11 22	2 19	21 18	0 35	22 23	0 56	15 56	7 18	10 57	11 17	12 4	15 12	7 24	
S 8	16 5	5 22	3 56	9 55	0 40	1 25	3 34	6 21	0 51	6 33	1 6	11 23	2 18	21 18	0 35	22 23	0 56	15 56	7 18	10 53	11 16	12 2	15 12	7 24	
M 9	15 48	1 31	3 12	9 13	0 32	1 46	3 44	6 6	0 50	6 29	1 6	11 24	2 18	21 19	0 35	22 23	0 56	15 56	7 18	10 50	11 15	12 0	15 13	7 23	
T 10	15 30	2s26	2 19	8 31	0 25	2 7	3 55	5 50	0 50	6 24	1 6	11 26	2 18	21 19	0 35	22 23	0 56	15 56	7 19	10 48	11 14	11 59	15 13	7 23	
W 11	15 13	6 19	1 19	7 50	0 17	2 27	4 6	5 35	0 49	6 19	1 6	11 27	2 18	21 20	0 35	22 23	0 56	15 56	7 19	10 47	11 12	11 57	15 14	7 23	
T 12	14 55	10 1	0 15	7 8	0 9	2 47	4 17	5 19	0 49	6 14	1 6	11 28	2 17	21 20	0 35	22 23	0 56	15 56	7 19	10 47	11 11	11 55	15 15	7 22	
F 13	14 36	13 20	0n52	6 26	0 0	3 6	4 28	5 4	0 48	6 10	1 6	11 29	2 17	21 21	0 35	22 24	0 56	15 56	7 19	10 47	11 10	11 54	15 15	7 22	
S 14	14 18	16 5	1 58	5 45	0s 8	3 24	4 39	4 49	0 48	6 5	1 6	11 31	2 17	21 21	0 35	22 24	0 56	15 56	7 19	10 47	11 9	11 52	15 16	7 22	
S 15	13 59	18 4	3 0	5 4	0 17	3 42	4 50	4 33	0 47	6 0	1 6	11 32	2 17	21 21	0 35	22 24	0 56	15 56	7 19	10 47	11 8	11 50	15 16	7 21	
M 16	13 40	19 3	3 54	4 23	0 25	4 0	5 2	4 17	0 47	5 55	1 6	11 34	2 16	21 22	0 35	22 24	0 56	15 56	7 19	10 46	11 7	11 48	15 17	7 21	
T 17	13 21	18 53	4 34	3 43	0 34	4 16	5 13	4 2	0 46	5 50	1 6	11 35	2 16	21 22	0 35	22 24	0 56	15 56	7 19	10 44	11 6	11 47	15 18	7 21	
W 18	13 1	17 28	4 59	3 3	0 43	4 32	5 24	3 46	0 46	5 45	1 6	11 36	2 16	21 23	0 35	22 24	0 55	15 56	7 19	10 42	11 4	11 45	15 18	7 20	
T 19	12 42	14 50	5 3	2 24	0 52	4 47	5 36	3 30	0 45	5 40	1 6	11 38	2 16	21 23	0 35	22 24	0 55	15 56	7 19	10 39	11 3	11 43	15 19	7 20	
F 20	12 22	11 9	4 46	1 45	1 2	5 1	5 47	3 15	0 45	5 35	1 5	11 39	2 15	21 23	0 35	22 24	0 55	15 56	7 20	10 36	11 2	11 42	15 20	7 19	
S 21	12 2	6 43	4 9	1 7	1 11	5 14	5 58	2 59	0 44	5 30	1 5	11 41	2 15	21 24	0 35	22 24	0 55	15 56	7 20	10 33	11 1	11 40	15 20	7 19	
S 22	11 42	1 55	3 15	0 29	1 20	5 26	6 10	2 43	0 43	5 25	1 5	11 42	2 15	21 24	0 35	22 24	0 55	15 56	7 20	10 30	11 0	11 38	15 21	7 19	
M 23	11 21	2n56	2 8	0s 8	1 30	5 38	6 21	2 27	0 43	5 21	1 5	11 44	2 15	21 24	0 35	22 24	0 55	15 56	7 20	10 28	10 59	11 37	15 22	7 18	
T 24	11 1	1 7	2 8	0 55	0 44	1 39	5 48	6 32	2 12	0 42	5 16	1 5	11 45	2 15	21 25	0 35	22 24	0 55	15 56	7 20	10 28	10 58	11 35	15 22	7 18
W 25	10 40	11 27	0s20	1 19	1 48	5 57	6 43	1 56	0 42	5 11	1 5	11 47	2 14	21 25	0 35	22 24	0 55	15 55	7 20	10 27	10 57	11 33	15 23	7 17	
T 26	10 19	14 41	1 31	1 53	1 58	6 5	6 54	1 40	0 41	5 6	1 5	11 49	2 14	21 25	0 35	22 25	0 55	15 55	7 20	10 28	10 55	11 32	15 23	7 17	
F 27	9 58	17 4	2 35	2 27	2 7	6 12	7 4	1 24	0 41	5 1	1 5	11 50	2 14	21 26	0 35	22 25	0 55	15 55	7 20	10 28	10 54	11 30	15 24	7 17	
S 28	9 37	18 31	3 29	2 59	2 16	6 18	7 14	1 8	0 40	4 56	1 5	11 52	2 14	21 26	0 35	22 25	0 55	15 55	7 20	10 28	10 53	11 28	15 25	7 16	
S																									



SWISS EPHEMERIS for the year 1660

SEPTEMBER 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	22 43 15	9 <sup>m</sup> 5'33"	28 <sup>o</sup> 13'	5 <sup>o</sup> 49'	28 <sup>o</sup> R 9	1 <sup>o</sup> 18'	20 <sup>m</sup> 58	7 <sup>m</sup> 36	26 <sup>o</sup> R32	6 <sup>o</sup> R18	22 <sup>m</sup> 10	26 <sup>o</sup> R50	28 <sup>o</sup> 5	16 <sup>o</sup> 7	14 <sup>o</sup> R53
T 2	22 47 11	10 <sup>o</sup> 4'08"	10 <sup>o</sup> 5'	6 <sup>o</sup> 34'	27 <sup>m</sup> 48	1 <sup>o</sup> 57'	21 <sup>o</sup> 10	7 <sup>o</sup> 41	26 <sup>o</sup> 30	6 <sup>o</sup> 18	22 <sup>o</sup> 11	26 <sup>o</sup> 41	28 <sup>o</sup> 2	16 <sup>o</sup> 14	14 <sup>o</sup> 52
F 3	22 51 8	11 <sup>o</sup> 2'26"	21 <sup>o</sup> 57'	7 <sup>o</sup> 16'	27 <sup>o</sup> 26	2 <sup>o</sup> 36'	21 <sup>o</sup> 23	7 <sup>o</sup> 46	26 <sup>o</sup> 29	6 <sup>o</sup> 17	22 <sup>o</sup> 11	26 <sup>o</sup> 32	27 <sup>o</sup> 59	16 <sup>o</sup> 21	14 <sup>o</sup> 51
S 4	22 55 4	12 <sup>o</sup> 0'46"	3 <sup>m</sup> 51	7 <sup>o</sup> 54'	27 <sup>o</sup> 1	3 <sup>o</sup> 15'	21 <sup>o</sup> 36	7 <sup>o</sup> 51	26 <sup>o</sup> 27	6 <sup>o</sup> 17	22 <sup>o</sup> 12	26 <sup>o</sup> 24	27 <sup>o</sup> 55	16 <sup>o</sup> 27	14 <sup>o</sup> 49
S 5	22 59 1	12 <sup>o</sup> 59'07"	15 <sup>o</sup> 49'	8 <sup>o</sup> 27'	26 <sup>o</sup> 34	3 <sup>o</sup> 54'	21 <sup>o</sup> 49	7 <sup>o</sup> 56	26 <sup>o</sup> 26	6 <sup>o</sup> 17	22 <sup>o</sup> 12	26 <sup>o</sup> 17	27 <sup>o</sup> 52	16 <sup>o</sup> 34	14 <sup>o</sup> 48
M 6	23 2 58	13 <sup>o</sup> 57'31"	27 <sup>o</sup> 52'	8 <sup>o</sup> 57'	26 <sup>o</sup> 5	4 <sup>o</sup> 33'	22 <sup>o</sup> 2	8 <sup>o</sup> 1	26 <sup>o</sup> 24	6 <sup>o</sup> 16	22 <sup>o</sup> 12	26 <sup>o</sup> 11	27 <sup>o</sup> 49	16 <sup>o</sup> 41	14 <sup>o</sup> 47
T 7	23 6 54	14 <sup>o</sup> 55'56"	10 <sup>o</sup> 3'	9 <sup>o</sup> 21'	25 <sup>o</sup> 35	5 <sup>o</sup> 12'	22 <sup>o</sup> 15	8 <sup>o</sup> 6	26 <sup>o</sup> 23	6 <sup>o</sup> 16	22 <sup>o</sup> 13	26 <sup>o</sup> 8	27 <sup>o</sup> 46	16 <sup>o</sup> 48	14 <sup>o</sup> 46
W 8	23 10 51	15 <sup>o</sup> 54'22"	22 <sup>o</sup> 22'	9 <sup>o</sup> 41'	25 <sup>o</sup> 3	5 <sup>o</sup> 52'	22 <sup>o</sup> 28	8 <sup>o</sup> 12	26 <sup>o</sup> 22	6 <sup>o</sup> 16	22 <sup>o</sup> 13	26 <sup>o</sup> D 7	27 <sup>o</sup> 43	16 <sup>o</sup> 54	14 <sup>o</sup> 45
T 9	23 14 47	16 <sup>o</sup> 52'51"	4 <sup>m</sup> 53	9 <sup>o</sup> 55'	24 <sup>o</sup> 29	6 <sup>o</sup> 31'	22 <sup>o</sup> 41	8 <sup>o</sup> 17	26 <sup>o</sup> 20	6 <sup>o</sup> 15	22 <sup>o</sup> 13	26 <sup>o</sup> 7	27 <sup>o</sup> 39	17 <sup>o</sup> 1	14 <sup>o</sup> 44
F 10	23 18 44	17 <sup>o</sup> 51'21"	17 <sup>o</sup> 37'	10 <sup>o</sup> 3'	23 <sup>o</sup> 55	7 <sup>o</sup> 10'	22 <sup>o</sup> 54	8 <sup>o</sup> 22	26 <sup>o</sup> 19	6 <sup>o</sup> 15	22 <sup>o</sup> 14	26 <sup>o</sup> 8	27 <sup>o</sup> 36	17 <sup>o</sup> 8	14 <sup>o</sup> 43
S 11	23 22 40	18 <sup>o</sup> 49'53"	0 <sup>m</sup> 38	10 <sup>o</sup> R 5	23 <sup>o</sup> 19	7 <sup>o</sup> 50'	23 <sup>o</sup> 7	8 <sup>o</sup> 28	26 <sup>o</sup> 18	6 <sup>o</sup> 15	22 <sup>o</sup> 14	26 <sup>o</sup> 10	27 <sup>o</sup> 33	17 <sup>o</sup> 14	14 <sup>o</sup> 43
S 12	23 26 37	19 <sup>o</sup> 48'27"	13 <sup>o</sup> 58'	10 <sup>o</sup> 1'	22 <sup>o</sup> 43	8 <sup>o</sup> 29'	23 <sup>o</sup> 20	8 <sup>o</sup> 33	26 <sup>o</sup> 17	6 <sup>o</sup> 15	22 <sup>o</sup> 14	26 <sup>o</sup> R11	27 <sup>o</sup> 30	17 <sup>o</sup> 21	14 <sup>o</sup> 42
M13	23 30 33	20 <sup>o</sup> 47'02"	27 <sup>o</sup> 40'	9 <sup>o</sup> 50'	22 <sup>o</sup> 7	9 <sup>o</sup> 9'	23 <sup>o</sup> 33	8 <sup>o</sup> 39	26 <sup>o</sup> 16	6 <sup>o</sup> 14	22 <sup>o</sup> 14	26 <sup>o</sup> 11	27 <sup>o</sup> 27	17 <sup>o</sup> 28	14 <sup>o</sup> 41
T 14	23 34 30	21 <sup>o</sup> 45'39"	11 <sup>m</sup> 44	9 <sup>o</sup> 33'	21 <sup>o</sup> 30	9 <sup>o</sup> 48'	23 <sup>o</sup> 46	8 <sup>o</sup> 44	26 <sup>o</sup> 15	6 <sup>o</sup> 14	22 <sup>o</sup> 14	26 <sup>o</sup> 9	27 <sup>o</sup> 24	17 <sup>o</sup> 35	14 <sup>o</sup> 41
W15	23 38 26	22 <sup>o</sup> 44'18"	26 <sup>o</sup> 10'	9 <sup>o</sup> 8'	20 <sup>o</sup> 53	10 <sup>o</sup> 28'	23 <sup>o</sup> 58	8 <sup>o</sup> 50	26 <sup>o</sup> 14	6 <sup>o</sup> 14	22 <sup>o</sup> 15	26 <sup>o</sup> 6	27 <sup>o</sup> 20	17 <sup>o</sup> 41	14 <sup>o</sup> 40
T 16	23 42 23	23 <sup>o</sup> 42'58"	10 <sup>o</sup> 55'	8 <sup>o</sup> 36'	20 <sup>o</sup> 16	11 <sup>o</sup> 8'	24 <sup>o</sup> 11	8 <sup>o</sup> 56	26 <sup>o</sup> 13	6 <sup>o</sup> 14	22 <sup>o</sup> 15	26 <sup>o</sup> 2	27 <sup>o</sup> 17	17 <sup>o</sup> 48	14 <sup>o</sup> 40
F 17	23 46 20	24 <sup>o</sup> 41'40"	25 <sup>o</sup> 52'	7 <sup>o</sup> 57'	19 <sup>o</sup> 39	11 <sup>o</sup> 47'	24 <sup>o</sup> 24	9 <sup>o</sup> 1	26 <sup>o</sup> 12	6 <sup>o</sup> D14	22 <sup>o</sup> 15	25 <sup>o</sup> 58	27 <sup>o</sup> 14	17 <sup>o</sup> 55	14 <sup>o</sup> 40
S 18	23 50 16	25 <sup>o</sup> 40'24"	10 <sup>m</sup> 38	7 <sup>o</sup> 11'	19 <sup>o</sup> 4	12 <sup>o</sup> 27'	24 <sup>o</sup> 37	9 <sup>o</sup> 7	26 <sup>o</sup> 11	6 <sup>o</sup> 14	22 <sup>o</sup> 15	25 <sup>o</sup> 53	27 <sup>o</sup> 11	18 <sup>o</sup> 1	14 <sup>o</sup> 39
S 19	23 54 13	26 <sup>o</sup> 39'09"	25 <sup>o</sup> 50'	6 <sup>o</sup> 19'	18 <sup>o</sup> 29	13 <sup>o</sup> 7'	24 <sup>o</sup> 50	9 <sup>o</sup> 13	26 <sup>o</sup> 10	6 <sup>o</sup> 14	22 <sup>o</sup> 15	25 <sup>o</sup> 50	27 <sup>o</sup> 8	18 <sup>o</sup> 8	14 <sup>o</sup> 39
M20	23 58 9	27 <sup>o</sup> 37'57"	10 <sup>m</sup> 33	5 <sup>o</sup> 21'	17 <sup>o</sup> 55	13 <sup>o</sup> 46'	25 <sup>o</sup> 3	9 <sup>o</sup> 19	26 <sup>o</sup> 9	6 <sup>o</sup> 14	22 <sup>o</sup> 15	25 <sup>o</sup> 48	27 <sup>o</sup> 4	18 <sup>o</sup> 15	14 <sup>o</sup> D39
T 21	0 2 6	28 <sup>o</sup> 36'47"	24 <sup>o</sup> 56'	4 <sup>o</sup> 19'	17 <sup>o</sup> 23	14 <sup>o</sup> 26'	25 <sup>o</sup> 16	9 <sup>o</sup> 25	26 <sup>o</sup> 9	6 <sup>o</sup> 14	22 <sup>o</sup> R15	25 <sup>o</sup> D47	27 <sup>o</sup> 1	18 <sup>o</sup> 22	14 <sup>o</sup> 39
W22	0 6 2	29 <sup>o</sup> 35'39"	8 <sup>m</sup> 55	3 <sup>o</sup> 14'	16 <sup>o</sup> 53	15 <sup>o</sup> 6'	25 <sup>o</sup> 29	9 <sup>o</sup> 31	26 <sup>o</sup> 8	6 <sup>o</sup> 15	22 <sup>o</sup> 15	25 <sup>o</sup> 47	26 <sup>o</sup> 58	18 <sup>o</sup> 28	14 <sup>o</sup> 39
T 23	0 9 59	0 <sup>m</sup> 34'33"	22 <sup>o</sup> 27'	2 <sup>o</sup> 6'	16 <sup>o</sup> 24	15 <sup>o</sup> 46'	25 <sup>o</sup> 42	9 <sup>o</sup> 37	26 <sup>o</sup> 7	6 <sup>o</sup> 15	22 <sup>o</sup> 15	25 <sup>o</sup> 49	26 <sup>o</sup> 55	18 <sup>o</sup> 35	14 <sup>o</sup> 39
F 24	0 13 55	1 <sup>o</sup> 33'29"	5 <sup>m</sup> 34	0 <sup>o</sup> 59'	15 <sup>o</sup> 57	16 <sup>o</sup> 26'	25 <sup>o</sup> 55	9 <sup>o</sup> 43	26 <sup>o</sup> 7	6 <sup>o</sup> 15	22 <sup>o</sup> 15	25 <sup>o</sup> 50	26 <sup>o</sup> 52	18 <sup>o</sup> 42	14 <sup>o</sup> 40
S 25	0 17 52	2 <sup>o</sup> 32'28"	18 <sup>o</sup> 18'	29 <sup>m</sup> 53	15 <sup>o</sup> 32	17 <sup>o</sup> 6'	26 <sup>o</sup> 8	9 <sup>o</sup> 49	26 <sup>o</sup> 6	6 <sup>o</sup> 15	22 <sup>o</sup> 15	25 <sup>o</sup> 52	26 <sup>o</sup> 49	18 <sup>o</sup> 48	14 <sup>o</sup> 40
S 26	0 21 49	3 <sup>o</sup> 31'29"	0 <sup>m</sup> 43	28 <sup>o</sup> 50'	15 <sup>o</sup> 9	17 <sup>o</sup> 46'	26 <sup>o</sup> 21	9 <sup>o</sup> 55	26 <sup>o</sup> 6	6 <sup>o</sup> 15	22 <sup>o</sup> 15	25 <sup>o</sup> R52	26 <sup>o</sup> 45	18 <sup>o</sup> 55	14 <sup>o</sup> 40
M27	0 25 45	4 <sup>o</sup> 30'33"	12 <sup>o</sup> 52'	27 <sup>o</sup> 52'	14 <sup>o</sup> 48	18 <sup>o</sup> 27'	26 <sup>o</sup> 34	10 <sup>o</sup> 2	26 <sup>o</sup> 5	6 <sup>o</sup> 16	22 <sup>o</sup> 15	25 <sup>o</sup> 52	26 <sup>o</sup> 42	19 <sup>o</sup> 2	14 <sup>o</sup> 41
T 28	0 29 42	5 <sup>o</sup> 29'39"	24 <sup>o</sup> 51'	27 <sup>o</sup> 1	14 <sup>o</sup> 30	19 <sup>o</sup> 7'	26 <sup>o</sup> 47	10 <sup>o</sup> 8	26 <sup>o</sup> 5	6 <sup>o</sup> 16	22 <sup>o</sup> 15	25 <sup>o</sup> 51	26 <sup>o</sup> 39	19 <sup>o</sup> 8	14 <sup>o</sup> 41
W29	0 33 38	6 <sup>o</sup> 28'47"	6 <sup>m</sup> 44	26 <sup>o</sup> 19	14 <sup>o</sup> 14	19 <sup>o</sup> 47'	27 <sup>o</sup> 0	10 <sup>o</sup> 14	26 <sup>o</sup> 5	6 <sup>o</sup> 16	22 <sup>o</sup> 14	25 <sup>o</sup> 49	26 <sup>o</sup> 36	19 <sup>o</sup> 15	14 <sup>o</sup> 42
T 30	0 37 35	7 <sup>o</sup> 27'57"	18 <sup>m</sup> 36	25 <sup>m</sup> 45	14 <sup>m</sup> 0	20 <sup>m</sup> 27	27 <sup>m</sup> 13	10 <sup>m</sup> 20	26 <sup>o</sup> 4	6 <sup>o</sup> 17	22 <sup>o</sup> 14	25 <sup>o</sup> 46	26 <sup>o</sup> 33	19 <sup>o</sup> 22	14 <sup>o</sup> 43

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	8n10	15n32	5s 7	4s56	2s52	6s28	7s52	0n 4	0n38	4n35	1n 5	11s59	2n13	21s27	0s35	22s25	0n55	15n55	7s21	10s22	10s49	11n21	15s27	7n14
T 2	7 48	12 57	4 59	5 22	3 0	6 28	8 0	0s12	0 37	4 30	1 5	12 0	2 13	21 28	0 35	22 25	0 55	15 55	7 21	10 19	10 47	11 20	15 28	7 14
F 3	7 26	9 50	4 38	5 46	3 8	6 26	8 8	0 28	0 37	4 25	1 5	12 2	2 12	21 28	0 35	22 25	0 55	15 55	7 21	10 15	10 46	11 18	15 28	7 13
S 4	7 4	6 19	4 5	6 8	3 16	6 22	8 15	0 44	0 36	4 20	1 5	12 4	2 12	21 28	0 35	22 25	0 55	15 55	7 21	10 12	10 45	11 16	15 29	7 13
S 5	6 42	2 31	3 21	6 28	3 23	6 17	8 21	1 0	0 36	4 15	1 5	12 6	2 12	21 28	0 35	22 25	0 55	15 55	7 21	10 10	10 44	11 15	15 30	7 12
M 6	6 19	1s24	2 27	6 46	3 30	6 11	8 26	1 16	0 35	4 10	1 5	12 8	2 12	21 29	0 35	22 25	0 55	15 54	7 21	10 8	10 43	11 13	15 30	7 12
T 7	5 57	5 18	1 26	7 2	3 37	6 4	8 31	1 32	0 35	4 5	1 5	12 9	2 12	21 29	0 35	22 25	0 55	15 54	7 22	10 6	10 42	11 11	15 31	7 11
W 8	5 34	9 2	0 20	7 15	3 43	5 55	8 35	1 49	0 34	4 0	1 5	12 11	2 11	21 29	0 35	22 25	0 55	15 54	7 22	10 6	10 41	11 10	15 31	7 11
T 9	5 11	12 25	0n48	7 25	3 48	5 44	8 39	2 5	0 34	3 55	1 5	12 13	2 11	21 29	0 35	22 25	0 55	15 54	7 22	10 6	10 40	11 8	15 32	7 10
F 10	4 49	15 17	1 54	7 33	3 52	5 33	8 41	2 21	0 33	3 49	1 5	12 15	2 11	21 29	0 35	22 25	0 55	15 54	7 22	10 7	10 38	11 6	15 33	7 10
S 11	4 26	17 26	2 57	7 37	3 56	5 20	8 42	2 37	0 32	3 44	1 5	12 17	2 11	21 30	0 35	22 25	0 55	15 54	7 22	10 7	10 37	11 4	15 33	7 9
S 12	4 3 18	41 3	5 7	7 37	3 58	5 7	8 43	2 53	0 33	3 39	1 5	12 19	2 11	21 30	0 35	22 26	0 55	15 54	7 22	10 7	10 36	11 3	15 34	7 9
M13	3 40	18 53	4 34	7 34	4 0	4 52	8 42	3 9	0 31	3 34	1 5	12 21	2 10	21 30	0 35	22 26	0 55	15 54	7 22	10 7	10 35	11 1	15 34	7 8
T 14	3 16	17 57	5 2	7 27	4 0	4 36	8 41	3 25	0 31	3 29	1 5	12 23	2 10	21 30	0 35	22 26	0 54	15 54	7 22	10 7	10 34	10 59	15 35	7 8
W15	2 53	15 51	5 12	7 16	3 58	4 19	8 39	3 41	0 30	3 24	1 5	12 25	2 10	21 30	0 35	22 26	0 54	15 53	7 22	10 6	10 33	10 58	15 35	7 7
T 16	2 30	12 41	5 2	7 1	3 56	4 2	8 35	3 57	0 30	3 19	1 5	12 27	2 10	21 31	0 34	22 26	0 54	15 53	7 23	10 4	10 32	10 56	15 36	7 7
F 17	2 7	8 40	4 31	6 41	3 51	3 44	8 31	4 13	0 29	3 14	1 5	12 29	2 10	21 31	0 34	22 26	0 54	15 53	7 23	10 3	10 30	10 54	15 37	7 6
S 18	1 43																							



SWISS EPHEMERIS for the year 1660

NOVEMBER 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	2 43 44	9M18'54	15♁10	3M.26	25M 5	12M.23	3♁50	14M. 0	26♁22	6♁47	21°R58	25♁41	24♁51	22♁57	15♁45	
T 2	2 47 41	10°19'10	27°50	5° 4	25°50	13° 5	4° 1	14° 7	26°24	6°48	21°II57	25°R41	24°48	23° 3	15°48	
W 3	2 51 38	11°19'28	10M.46	6°42	26°37	13°47	4°13	14°14	26°25	6°50	21°56	25°41	24°45	23°10	15°51	
T 4	2 55 34	12°19'47	23°59	8°20	27°25	14°29	4°24	14°22	26°27	6°51	21°55	25°39	24°41	23°17	15°54	
F 5	2 59 31	13°20'09	7♁27	9°57	28°13	15°11	4°36	14°29	26°28	6°53	21°54	25°37	24°38	23°23	15°57	
S 6	3 3 27	14°20'32	21° 8	11°34	29° 2	15°53	4°47	14°36	26°30	6°54	21°53	25°34	24°35	23°30	16° 1	
S 7	3 7 24	15°20'56	5♁ 1	13°11	29°52	16°35	4°59	14°43	26°31	6°56	21°52	25°32	24°32	23°37	16° 4	
M 8	3 11 20	16°21'22	19° 1	14°47	0♁43	17°18	5°10	14°50	26°33	6°57	21°51	25°29	24°29	23°44	16° 8	
T 9	3 15 17	17°21'50	3♁ 7	16°23	1°35	18° 0	5°21	14°57	26°35	6°59	21°50	25°28	24°26	23°50	16°11	
W10	3 19 13	18°22'18	17°17	17°59	2°27	18°42	5°32	15° 4	26°37	7° 1	21°50	25°D27	24°22	23°57	16°15	
T 11	3 23 10	19°22'48	1♁28	19°34	3°20	19°25	5°43	15°12	26°38	7° 2	21°49	25°27	24°19	24° 4	16°18	
F 12	3 27 7	20°23'19	15°38	21°10	4°14	20° 7	5°54	15°19	26°40	7° 4	21°48	25°29	24°16	24°10	16°22	
S 13	3 31 3	21°23'51	29°46	22°45	5° 9	20°50	6° 5	15°26	26°42	7° 6	21°47	25°30	24°13	24°17	16°26	
S 14	3 35 0	22°24'25	13°V48	24°19	6° 4	21°32	6°16	15°33	26°44	7° 7	21°46	25°31	24°10	24°24	16°30	
M15	3 38 56	23°25'00	27°44	25°54	7° 0	22°15	6°27	15°40	26°46	7° 9	21°45	25°R32	24° 7	24°30	16°33	
T 16	3 42 53	24°25'36	11♁29	27°28	7°56	22°57	6°37	15°47	26°48	7°11	21°44	25°31	24° 3	24°37	16°37	
W17	3 46 49	25°26'14	25° 1	29° 2	8°53	23°40	6°48	15°54	26°50	7°13	21°43	25°28	24° 0	24°44	16°41	
T 18	3 50 46	26°26'53	8II18	0♁36	9°50	24°23	6°58	16° 1	26°52	7°15	21°41	25°24	23°57	24°51	16°45	
F 19	3 54 42	27°27'34	21°19	2°10	10°48	25° 6	7° 9	16° 9	26°54	7°16	21°40	25°19	23°54	24°57	16°49	
S 20	3 58 39	28°28'16	4♁ 2	3°44	11°47	25°48	7°19	16°16	26°57	7°18	21°39	25°13	23°51	25° 4	16°53	
S 21	4 2 36	29°28'59	16°29	5°17	12°46	26°31	7°29	16°23	26°59	7°20	21°38	25° 7	23°47	25°11	16°58	
M22	4 6 32	0♁29'44	28°42	6°51	13°45	27°14	7°39	16°30	27° 1	7°22	21°37	25° 2	23°44	25°17	17° 2	
T 23	4 10 29	1°30'31	10♁43	8°24	14°45	27°57	7°49	16°37	27° 3	7°24	21°36	24°58	23°41	25°24	17° 6	
W24	4 14 25	2°31'19	22°37	9°57	15°46	28°40	7°59	16°44	27° 6	7°26	21°35	24°56	23°38	25°31	17°10	
T 25	4 18 22	3°32'08	4M 27	11°30	16°47	29°23	8° 9	16°51	27° 8	7°28	21°34	24°D55	23°35	25°37	17°15	
F 26	4 22 18	4°32'59	16°20	13° 3	17°48	0♁ 6	8°19	16°58	27°11	7°30	21°33	24°56	23°32	25°44	17°19	
S 27	4 26 15	5°33'52	28°20	14°36	18°50	0°50	8°28	17° 5	27°13	7°32	21°32	24°58	23°28	25°51	17°24	
S 28	4 30 11	6°34'45	10♁33	16° 9	19°52	1°33	8°38	17°11	27°16	7°34	21°30	24°59	23°25	25°58	17°28	
M29	4 34 8	7°35'40	23° 2	17°42	20°55	2°16	8°47	17°18	27°18	7°36	21°29	25°R 0	23°22	26° 4	17°33	
T 30	4 38 5	8°36'37	5M.51	19♁15	21♁57	3♁ 0	8♁56	17M.25	27♁21	7♁38	21II28	24♁59	23♁19	26♁11	17♁37	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
M 1	14s37	6s52	0s58	11s50	0n54	1n34	0s25	15s32	0n 3	0s29	1n 9	14s 5	2n 5	21s28	0s33	22s26	0n53	15n48	7s27	9s57	9s38	9n36	15s52	6n43
T 2	14 56	10 32	0n12	12 30	0 47	1 24	0 17	15 45	0 2	0 33	1 9	14 7	2 5	21 27	0 33	22 26	0 53	15 48	7 27	9 57	9 37	9 34	15 52	6 43
W 3	15 15	13 47	1 22	13 8	0 40	1 13	0 9	15 58	0 2	0 38	1 9	14 9	2 5	21 27	0 33	22 26	0 53	15 47	7 27	9 56	9 36	9 32	15 52	6 42
T 4	15 34	16 23	2 30	13 46	0 34	1 1	0 1	16 11	0 1	0 42	1 9	14 11	2 5	21 27	0 33	22 26	0 53	15 47	7 27	9 56	9 35	9 31	15 53	6 42
F 5	15 52	18 8	3 31	14 24	0 27	0 49	0n 7	16 24	0 1	0 46	1 9	14 13	2 5	21 27	0 33	22 26	0 52	15 47	7 28	9 55	9 34	9 29	15 53	6 42
S 6	16 10	18 52	4 20	15 0	0 20	0 36	0 15	16 37	0 0	0 51	1 9	14 15	2 5	21 26	0 33	22 26	0 52	15 47	7 28	9 54	9 33	9 27	15 53	6 41
S 7	16 28	18 28	4 55	15 36	0 14	0 23	0 22	16 50	0s 1	0 55	1 9	14 18	2 5	21 26	0 33	22 26	0 52	15 47	7 28	9 53	9 31	9 25	15 53	6 41
M 8	16 45	16 58	5 13	16 11	0 7	0 9	0 29	17 3	0 1	1 0	1 9	14 20	2 5	21 26	0 33	22 26	0 52	15 47	7 28	9 52	9 30	9 23	15 53	6 40
T 9	17 3	14 26	5 12	16 46	0 0	0s 5	0 36	17 15	0 2	1 4	1 10	14 22	2 5	21 25	0 33	22 26	0 52	15 47	7 28	9 52	9 29	9 20	15 53	6 40
W10	17 20	11 2	4 52	17 19	0s 7	0 20	0 43	17 27	0 2	1 8	1 10	14 24	2 5	21 25	0 33	22 25	0 52	15 47	7 28	9 52	9 28	9 20	15 53	6 40
T 11	17 36	7 0	4 15	17 52	0 13	0 35	0 49	17 40	0 3	1 12	1 10	14 26	2 5	21 24	0 33	22 25	0 52	15 47	7 28	9 52	9 27	9 18	15 53	6 39
F 12	17 53	2 34	3 22	18 24	0 20	0 51	0 55	17 52	0 4	1 17	1 10	14 28	2 5	21 24	0 33	22 25	0 52	15 47	7 28	9 52	9 26	9 16	15 53	6 39
S 13	18 9	2n 0	2 17	18 55	0 26	1 7	1 1	18 4	0 4	1 21	1 10	14 30	2 5	21 24	0 33	22 25	0 52	15 46	7 28	9 53	9 24	9 15	15 53	6 38
S 14	18 24	6 26	1 4	19 25	0 33	1 23	1 7	18 15	0 5	1 25	1 10	14 32	2 5	21 23	0 33	22 25	0 52	15 46	7 28	9 53	9 23	9 13	15 53	6 38
M15	18 40	10 30	0s12	19 54	0 39	1 40	1 13	18 27	0 5	1 29	1 10	14 34	2 5	21 23	0 33	22 25	0 52	15 46	7 28	9 53	9 22	9 11	15 53	6 38
T 16	18 55	13 56	1 26	20 22	0 46	1 57	1 18	18 38	0 6	1 33	1 11	14 36	2 5	21 23	0 33	22 25	0 52	15 46	7 28	9 53	9 21	9 9	15 52	6 37
W17	19 9	16 33	2 34	20 49	0 52	2 15	1 24	18 50	0 7	1 37	1 11	14 38	2 5	21 22	0 33	22 25	0 52	15 46	7 28	9 52	9 20	9 8	15 52	6 37
T 18	19 24	18 14	3 33	21 15	0 58	2 33	1 29	19 1	0 7	1 41	1 11	14 40	2 5	21 22	0 33	22 25	0 52	15 46	7 28	9 51	9 18	9 6	15 52	6 36
F 19	19 38	18 54	4 19	21 40	1 4	2 51	1 34	19 12	0 8	1 45	1 11	14 42	2 5	21 21	0 33	22 25	0 52	15 46	7 28	9 49	9 17	9 4	15 52	6 36
S 20	19 51	18 35	4 51	22 4	1 10	3 10	1 38	19 23	0 8	1 49	1 11	14 44	2 5	21 21	0 33	22 25	0 52	15 46	7 28	9 46	9 16	9 2	15 52	6 36
S 21	20 5 17	22 5	8 22	27 1	1 15	3 28	1 43	19 33	0 9	1 53	1 11	14 46	2 5	21 20	0 33	22 25	0 52	15 46	7 28	9 44	9 15	9 0	15 52	6 35
M22	20 17	15 23	5 11	22 49	1 21	3 47	1 47	19 44	0 10	1 57	1 12	14 48	2 5	21 20	0 33	22 25	0 52	15 46	7 28	9 42	9 14	8 59	15 52	6 35
T 23	20 30	12 46	5 0	23 10	1 26	4 7	1 51	19 54	0 10	2 1	1 12	14 50	2 5	21 19	0 33	22 25	0 52	15 46	7 28	9 41	9 13	8 57	15 51	6 35
W24	20 42	9 39	4 36	23 29	1 31	4 27	1 55	20 4	0 11	2 4	1 12	14 52	2 5	21 19	0 33	22 24	0 52	15 45	7 28	9 40	9 11	8 55	15 51	6 34
T 25	20 54	6 10	4 0	23 47	1 36	4 46	1 59	20 14	0 11	2 8	1 12	14 54	2 5	21 18	0 33	22 24	0 52	15 45	7 28	9 40	9 10	8 53	15 51	6 34
F 26	21 5 2 25	3 15	24 4	1 41	5 6	2 3	20 24	0 12	2 12	1 12	14 56	2 5	21 18	0 33	22 24	0 52	15 45	7 28	9 40	9 9	8 52	15 51	6 34	
S 27	21 16	1s28	2 20	24 20	1 45	5 27	2 6	20 34	0 13	2 15	1 12	14 58	2 5	21 17	0 33	22 24	0 52	15 45	7 28	9 41	9 8	8 50	15 51	6 33
S 28	21 27	5 22	1 18	24 35	1 50	5 47	2 9	20 43	0 13	2 19	1 13	15 0	2 5	21 17	0 33	22 24	0 52	15 45	7 28	9 41	9 7	8 48	15 50	6 33
M29	21 37	9 8	0 11	24 48	1 54	6 8	2 12	20 53	0 14	2 22	1 13	15 2	2 5	21 16	0 33	22 24	0 52	15 45	7 28	9 42	9 6	8 46	15 50	6 33
T 30	21s47																							

SWISS EPHEMERIS for the year 1660

DECEMBER 1660 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 42 1	9♂♂37°34	19♁ 2	20♂♂48	23♁ 1	3♂♂43	9♁ 6	17♁32	27♂23	7♂40	21°R27	24°R57	23♁16	26♁18	17♂42
T 2	4 45 58	10°38'33	2♂♂36	22°20	24° 4	4°26	9°15	17°39	27°26	7°42	21°II26	24°♁52	23°13	26°24	17°46
F 3	4 49 54	11°39'33	16°30	23°53	25° 8	5°10	9°24	17°46	27°29	7°44	21°25	24°45	23° 9	26°31	17°51
S 4	4 53 51	12°40'33	0♂♂40	25°25	26°12	5°53	9°33	17°52	27°31	7°46	21°24	24°37	23° 6	26°38	17°56
S 5	4 57 47	13°41'35	15° 2	26°57	27°17	6°37	9°41	17°59	27°34	7°48	21°22	24°29	23° 3	26°45	18° 1
M 6	5 1 44	14°42'37	29°29	28°29	28°22	7°21	9°50	18° 6	27°37	7°50	21°21	24°22	23° 0	26°51	18° 5
T 7	5 5 40	15°43'39	13♁♁56	0♂♂ 1	29°27	8° 4	9°58	18°12	27°40	7°52	21°20	24°16	22°57	26°58	18°10
W 8	5 9 37	16°44'43	28°17	1°32	0♁♁32	8°48	10° 7	18°19	27°42	7°55	21°19	24°12	22°53	27° 5	18°15
T 9	5 13 34	17°45'46	12♂♂29	3° 3	1°38	9°32	10°15	18°26	27°45	7°57	21°18	24°D10	22°50	27°11	18°20
F 10	5 17 30	18°46'50	26°30	4°33	2°44	10°16	10°23	18°32	27°48	7°59	21°17	24°10	22°47	27°18	18°25
S 11	5 21 27	19°47'54	10°V21	6° 2	3°50	11° 0	10°31	18°39	27°51	8° 1	21°15	24°11	22°44	27°25	18°30
S 12	5 25 23	20°48'59	24° 0	7°31	4°56	11°43	10°39	18°45	27°54	8° 3	21°14	24°R12	22°41	27°31	18°35
M13	5 29 20	21°50'04	7♂♂29	8°59	6° 3	12°27	10°47	18°51	27°57	8° 5	21°13	24°11	22°38	27°38	18°40
T 14	5 33 16	22°51'09	10°28	10°26	7°10	13°11	10°54	18°58	28° 0	8° 8	21°12	24° 8	22°34	27°45	18°45
W15	5 37 13	23°52'15	3♁♁56	11°51	8°17	13°55	11° 2	19° 4	28° 3	8°10	21°11	24° 2	22°31	27°51	18°50
T 16	5 41 9	24°53'21	16°53	13°15	9°24	14°40	11° 9	19°10	28° 6	8°12	21° 9	23°53	22°28	27°58	18°55
F 17	5 45 6	25°54'28	29°38	14°36	10°32	15°24	11°16	19°17	28° 9	8°14	21° 8	23°42	22°25	28° 5	19° 0
S 18	5 49 3	26°55'35	12♁♁11	15°56	11°40	16° 8	11°23	19°23	28°12	8°17	21° 7	23°30	22°22	28°12	19° 5
S 19	5 52 59	27°56'43	24°31	17°13	12°48	16°52	11°30	19°29	28°16	8°19	21° 6	23°18	22°19	28°18	19°10
M20	5 56 56	28°57'51	6♁♁40	18°26	13°56	17°36	11°37	19°35	28°19	8°21	21° 5	23° 6	22°15	28°25	19°15
T 21	6 0 52	29°58'59	18°39	19°36	15° 4	18°21	11°44	19°41	28°22	8°23	21° 4	22°57	22°12	28°32	19°21
W22	6 4 49	1♂♂ 0'08	0♁♁31	20°41	16°13	19° 5	11°50	19°47	28°25	8°26	21° 2	22°50	22° 9	28°38	19°26
T 23	6 8 45	2° 1'17	12°20	21°42	17°21	19°50	11°56	19°53	28°28	8°28	21° 1	22°45	22° 6	28°45	19°31
F 24	6 12 42	3° 2'27	24°11	22°37	18°30	20°34	12° 3	19°59	28°32	8°30	21° 0	22°43	22° 3	28°52	19°36
S 25	6 16 38	4° 3'37	6♁ 8	23°25	19°39	21°18	12° 9	20° 5	28°35	8°32	20°59	22°D43	21°59	28°58	19°42
S 26	6 20 35	5° 4'47	18°17	24° 5	20°48	22° 3	12°15	20°11	28°38	8°35	20°58	22°R43	21°56	29° 5	19°47
M27	6 24 32	6° 5'58	0♁♁44	24°38	21°58	22°48	12°20	20°16	28°42	8°37	20°57	22°43	21°53	29°12	19°52
T 28	6 28 28	7° 7'10	13°34	25° 1	23° 7	23°32	12°26	20°22	28°45	8°39	20°55	22°41	21°50	29°19	19°58
W29	6 32 25	8° 8'21	26°49	25°14	24°17	24°17	12°31	20°28	28°48	8°41	20°54	22°37	21°47	29°25	20° 3
T 30	6 36 21	9° 9'33	10♂♂32	25°R16	25°27	25° 2	12°37	20°33	28°52	8°44	20°53	22°30	21°44	29°32	20° 8
F 31	6 40 18	10♂♂10'45	24♂♂42	25♂♂ 6	26♁♁37	25♂♂47	12°♁42	20♁♁39	28♂♂55	8♂♂46	20°II52	22°♁20	21°♁40	29♁♁39	20♂♂14

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	21s56	15s29	2n 6	25s10	2s 1	6s49	2n18	21s11	0s15	2s29	1n13	15s 6	2n 5	21s15	0s33	22s24	0n52	15n45	7s28	9s41	9s 3	8n43	15s49	6n32
T 2	22 5 17 38	3 9 25 19	2 4	7 10	2 21	21 19	0 16	2 33	1 13	15 7	2 5	21 15	0 33	22 24	0 52	15 45	7 28	9 39	9 2	8 41	15 49	6 32		
F 3	22 13 18 47	4 2 25 27	2 7	7 31	2 23	21 28	0 16	2 36	1 14	15 9	2 5	21 14	0 33	22 24	0 52	15 45	7 28	9 36	9 1	8 39	15 49	6 32		
S 4	22 21 18 48	4 41 25 33	2 9	7 52	2 26	21 36	0 17	2 39	1 14	15 11	2 5	21 14	0 33	22 24	0 52	15 45	7 28	9 33	9 0	8 37	15 49	6 31		
S 5	22 29 17 37	5 3 25 38	2 12	8 14	2 28	21 44	0 18	2 43	1 14	15 13	2 5	21 13	0 33	22 23	0 52	15 45	7 28	9 30	8 58	8 35	15 48	6 31		
M 6	22 36 15 19	5 6 25 42	2 13	8 35	2 30	21 52	0 18	2 46	1 14	15 15	2 5	21 13	0 33	22 23	0 52	15 45	7 28	9 28	8 57	8 34	15 48	6 31		
T 7	22 43 12 3	4 49 25 44	2 15	8 56	2 31	22 0	0 19	2 49	1 14	15 16	2 5	21 12	0 33	22 23	0 52	15 45	7 28	9 25	8 56	8 32	15 47	6 31		
W 8	22 49 8 7	4 15 25 44	2 16	9 17	2 33	22 8	0 19	2 52	1 15	15 18	2 5	21 12	0 33	22 23	0 52	15 45	7 28	9 24	8 55	8 30	15 47	6 30		
T 9	22 55 3 44	3 25 25 43	2 16	9 39	2 35	22 15	0 20	2 55	1 15	15 20	2 5	21 11	0 33	22 23	0 52	15 45	7 28	9 23	8 54	8 28	15 47	6 30		
F 10	23 0 0n48	2 23 25 41	2 16	10 0	2 36	22 22	0 21	2 58	1 15	15 22	2 6	21 10	0 33	22 23	0 52	15 45	7 28	9 23	8 53	8 26	15 46	6 30		
S 11	23 5 5 14	1 14 25 36	2 16	10 21	2 37	22 29	0 21	3 1	1 15	15 23	2 6	21 10	0 33	22 23	0 52	15 45	7 28	9 24	8 51	8 25	15 46	6 30		
S 12	23 10 9 21	0 1 25 31	2 15	10 42	2 38	22 35	0 22	3 4	1 15	15 25	2 6	21 9	0 33	22 23	0 52	15 44	7 28	9 24	8 50	8 23	15 45	6 30		
M13	23 14 12 55	1s11 25 24	2 13	11 4	2 39	22 42	0 22	3 7	1 16	15 27	2 6	21 9	0 33	22 23	0 52	15 44	7 28	9 24	8 49	8 21	15 45	6 29		
T 14	23 17 15 47	2 17 25 15	2 11	11 25	2 40	22 48	0 23	3 10	1 16	15 28	2 6	21 8	0 33	22 22	0 51	15 44	7 28	9 22	8 48	8 19	15 44	6 29		
W15	23 20 17 46	3 16 25 5	2 8	11 46	2 40	22 54	0 24	3 12	1 16	15 30	2 6	21 7	0 33	22 22	0 51	15 44	7 28	9 20	8 47	8 18	15 44	6 29		
T 16	23 23 18 48	4 3 24 53	2 5	12 6	2 41	23 0	0 24	3 15	1 16	15 32	2 6	21 7	0 33	22 22	0 51	15 44	7 28	9 17	8 45	8 16	15 43	6 29		
F 17	23 25 18 52	4 37 24 40	2 0	12 27	2 41	23 5	0 25	3 18	1 16	15 33	2 6	21 6	0 33	22 22	0 51	15 44	7 28	9 13	8 44	8 14	15 43	6 29		
S 18	23 27 18 0	4 57 24 26	1 55	12 48	2 42	23 11	0 25	3 20	1 17	15 35	2 6	21 5	0 33	22 22	0 51	15 44	7 28	9 9	8 43	8 12	15 42	6 29		
S 19	23 28 16 17	5 3 24 10	1 49	13 8	2 42	23 16	0 26	3 23	1 17	15 36	2 6	21 5	0 33	22 22	0 51	15 44	7 27	9 4	8 42	8 10	15 42	6 28		
M20	23 29 13 53	4 54 23 54	1 42	13 28	2 42	23 21	0 27	3 25	1 17	15 38	2 6	21 4	0 33	22 22	0 51	15 44	7 27	9 0	8 41	8 9	15 41	6 28		
T 21	23 29 10 56	4 33 23 36	1 34	13 49	2 42	23 25	0 27	3 28	1 17	15 39	2 6	21 3	0 33	22 22	0 51	15 44	7 27	8 56	8 40	8 7	15 41	6 28		
W22	23 29 7 34	4 0 23 17	1 25	14 8	2 41	23 30	0 28	3 30	1 18	15 41	2 7	21 3	0 33	22 21	0 51	15 44	7 27	8 54	8 38	8 5	15 40	6 28		
T 23	23 28 3 54	3 17 22 58	1 15	14 28	2 41	23 34	0 28	3 32	1 18	15 42	2 7	21 2	0 33	22 21	0 51	15 44	7 27	8 52	8 37	8 3	15 40	6 28		
F 24	23 27 0 5	2 26 22 38	1 4	14 48	2 40	23 38	0 29	3 34	1 18	15 44	2 7	21 1	0 33	22 21	0 51	15 44	7 27	8 51	8 36	8 1	15 39	6 28		
S 25	23 25 3s46	1 27 22 18	0 52	15 7	2 40	23 41	0 30	3 36	1 18	15 45	2 7	21 1	0 33	22 21	0 51	15 44	7 27	8 51	8 35	8 0	15 38	6 28		
S 26	23 23 7 33	0 24 21 57	0 38	15 26	2 39	23 45	0 30	3 39	1 18	15 47	2 7	21 0	0 33	22 21	0 51	15 44	7 27	8 51	8 34	7 58	15 38	6 27		
M27	23 20 11 5	0n42 21 37	0 23	15 44	2 38	23 48	0 31	3 41	1 19	15 48	2 7	20 59	0 33	22 21	0 51	15 44	7 27	8 51	8 32	7 56	15 37	6 27		
T 28	23 17 14 13	1 48 21 18	0 8	16 3	2 37	23 51	0 31	3 43	1 19	15 50	2 7	20 59	0 33	22 21	0 51	15 44	7 27	8 50	8 31	7 54	15 36	6 27		
W29	23 14 16 43	2 50 20 59	0n 9	16 21	2 36	23 53	0 32	3 44	1 19	15 51	2 7	20 58	0 33	22 21	0 51	15 44	7 27	8 49	8 30					