7,24 mm   (1219)	2019	Suit ise/Suitset	Solai Nooli
1			
22	Dec		
7,24 am   (1219)	1		` ` `
1.52 am ↑ (1.22°)	2	7:23 am ↑ (121°)	11:52 am (22.6°)
	3	7:24 am ↑ (121°)	` ` `
	4	7:25 am ↑ (122°)	11:52 am (22.4°)
7.28 am f (122°)	5	7:26 am ↑ (122°)	11:53 am (22.2°)
8	6	7:27 am ↑ (122°)	11:53 am (22.1°)
9	7	7:28 am ↑ (122°)	11:54 am (22.0°)
10	8	7:29 am ↑ (122°)	11:54 am (21.9°)
11	9	7:30 am ↑ (123°)	11:55 am (21.8°)
12	10	7:31 am ↑ (123°)	11:55 am (21.7°)
13	11	7:32 am ↑ (123°)	11:55 am (21.6°)
144	12	7:33 am ↑ (123°)	11:56 am (21.5°)
15	13	7:33 am ↑ (123°)	11:56 am (21.5°)
11.58 am (21.3°)   11.59 am (21.2°)   11.59 am (2	14	7:34 am ↑ (123°)	11:57 am (21.4°)
17.56 am 1 (123°)   11:58 am (21.3°)   11:59 am (21.2°)   12:00 pm (22.2°)   12:00 pm (	15	7:35 am ↑ (123°)	11:57 am (21.3°)
188	16	7:36 am ↑ (123°)	11:58 am (21.3°)
188	17		11:58 am (21.3°)
19	18		11:59 am (21.2°)
200   7.38 am ↑ (123°)   12:00 pm (21.2°)     21	19		
21	20		` ` `
222   7:39 am ↑ (123°)   12:01 pm (21.2°)     233	21		
23   7:40 am ↑ (123°)   12:01 pm (21.2°)     24   7:40 am ↑ (123°)   12:02 pm (21.2°)     25   7:41 am ↑ (123°)   12:02 pm (21.2°)     26   7:41 am ↑ (123°)   12:03 pm (21.3°)     27   7:41 am ↑ (123°)   12:03 pm (21.3°)     28   7:42 am ↑ (123°)   12:04 pm (21.4°)     29   7:42 am ↑ (123°)   12:04 pm (21.4°)     30   7:42 am ↑ (123°)   12:05 pm (21.5°)     31   7:42 am ↑ (123°)   12:05 pm (21.5°)     4 All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     30   8   8   12:05 pm (21.5°)     4 All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     3   8   8   8   12:06 pm (21.6°)     4   7:42 am ↑ (123°)   12:06 pm (21.6°)     5   7:42 am ↑ (123°)   12:06 pm (21.6°)     5   7:42 am ↑ (123°)   12:06 pm (21.8°)     5   7:42 am ↑ (123°)   12:06 pm (21.8°)     6   7:42 am ↑ (122°)   12:08 pm (22.2°)     7:42 am ↑ (122°)   12:08 pm (22.2°)     8   7:41 am ↑ (121°)   12:09 pm (22.5°)     10   7:41 am ↑ (121°)   12:10 pm (22.7°)     11   7:40 am ↑ (121°)   12:10 pm (22.8°)     12:10 pm (22.8°)			
24     7:40 am ↑ (123°)     12:02 pm (21.2°)       25     7:41 am ↑ (123°)     12:02 pm (21.2°)       26     7:41 am ↑ (123°)     12:03 pm (21.3°)       27     7:41 am ↑ (123°)     12:03 pm (21.3°)       28     7:42 am ↑ (123°)     12:04 pm (21.4°)       29     7:42 am ↑ (123°)     12:05 pm (21.5°)       30     7:42 am ↑ (123°)     12:05 pm (21.5°)       *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     *Time       3     Sunrise     Time       1     7:42 am ↑ (123°)     12:06 pm (21.6°)       3     7:42 am ↑ (123°)     12:06 pm (21.6°)       3     7:42 am ↑ (123°)     12:07 pm (21.8°)       4     7:42 am ↑ (122°)     12:08 pm (22.0°)       5     7:42 am ↑ (122°)     12:08 pm (22.0°)       6     7:42 am ↑ (122°)     12:08 pm (22.0°)			
25			
266   7.41 am ↑ (123°)   12:03 pm (21.3°) 27   7.41 am ↑ (123°)   12:03 pm (21.3°) 28   7.42 am ↑ (123°)   12:04 pm (21.4°) 29   7.42 am ↑ (123°)   12:05 pm (21.5°) 30   7.42 am ↑ (123°)   12:05 pm (21.5°) 31   8 All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted. 30   Sunrise   Sunrise   Solar Noon   31   Sunrise   Time   3200   Sunrise   Sunrise   Time   31   7.42 am ↑ (123°)   12:06 pm (21.6°) 32   7.42 am ↑ (123°)   12:06 pm (21.6°) 33   Sunrise   12:06 pm (21.6°) 34   7.42 am ↑ (123°)   12:06 pm (21.6°) 35   7.42 am ↑ (123°)   12:07 pm (21.8°) 4   7.42 am ↑ (122°)   12:08 pm (22.0°) 5   7.42 am ↑ (122°)   12:08 pm (22.0°) 6   7.42 am ↑ (122°)   12:08 pm (22.2°) 8   7.44 am ↑ (122°)   12:09 pm (22.2°) 8   7.44 am ↑ (121°)   12:09 pm (22.2°) 10   7.44 am ↑ (121°)   12:10 pm (22.8°) 11   7.40 am ↑ (121°)   12:10 pm (23.0°)			
7:41 am ↑ (123°)   12:03 pm (21.3°)   22:04 pm (21.4°)   22:04 pm (21.4°)   22:04 pm (21.4°)   22:05 pm (21.5°)   22:05 pm (22.2°)   22:05 pm (2			
28       7:42 am ↑ (123°)       12:04 pm (21.4°)         29       7:42 am ↑ (123°)       12:04 pm (21.4°)         30       7:42 am ↑ (123°)       12:05 pm (21.5°)         31       7:42 am ↑ (123°)       12:05 pm (21.5°)         * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.       * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.       * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.         Z020       Sunrise       Solar Noon         Jan       Sunrise       Time         1       7:42 am ↑ (123°)       12:06 pm (21.6°)         2       7:42 am ↑ (123°)       12:06 pm (21.6°)         3       7:42 am ↑ (123°)       12:06 pm (21.6°)         4       7:42 am ↑ (122°)       12:07 pm (21.8°)         4       7:42 am ↑ (122°)       12:08 pm (22.0°)         5       7:42 am ↑ (122°)       12:08 pm (22.0°)         6       7:42 am ↑ (122°)       12:08 pm (22.0°)         7       7:42 am ↑ (122°)       12:09 pm (22.4°)         8       7:41 am ↑ (121°)       12:09 pm (22.5°) <tr< td=""><td></td><td></td><td>- ` ′</td></tr<>			- ` ′
7:42 am ↑ (123°)   12:04 pm (21.4°)   12:05 pm (21.5°)   13:05 pm (21.5°)   13:05 pm (21.5°)   13:10   12:05 pm (21.5°)   12:05 pm (21.5°)   13:10   12:05 pm (21.5°)   13:10   13:10   13:10   12:05 pm (21.5°)   13:10			
7:42 am ↑ (123°)   12:05 pm (21.5°)     31   7:42 am ↑ (123°)   12:05 pm (21.5°)     * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     * * * * * * * * * * * * * * * * * *	29		
7:42 am ↑ (123°)   12:05 pm (21.5°)     * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     * All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.     * * * * * * * * * * * * * * * * * *			
*All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.  *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.  *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.  *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.  *All times are local time for Ottawa. They take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.  *Bolar Noon  *Time  *Time  1	30	7.12 dili   (123 )	12.03 pm (21.3 )
take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.         take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.         take into account refraction. Dates are based on the Gregorian calendar. Today is highlighted.           2020         Sunrise         Solar Noon           Jan         Sunrise         Time           1         7:42 am $\uparrow$ (123°)         12:06 pm (21.6°)           2         7:42 am $\uparrow$ (123°)         12:06 pm (21.7°)           3         7:42 am $\uparrow$ (123°)         12:07 pm (21.8°)           4         7:42 am $\uparrow$ (122°)         12:07 pm (21.9°)           5         7:42 am $\uparrow$ (122°)         12:08 pm (22.0°)           6         7:42 am $\uparrow$ (122°)         12:08 pm (22.1°)           7         7:42 am $\uparrow$ (122°)         12:08 pm (22.2°)           8         7:41 am $\uparrow$ (122°)         12:09 pm (22.4°)           9         7:41 am $\uparrow$ (121°)         12:09 pm (22.5°)           10         7:40 am $\uparrow$ (121°)         12:10 pm (22.8°)           12         7:40 am $\uparrow$ (121°)         12:10 pm (23.0°)	31	7:42 am ↑ (123°)	12:05 pm (21.5°)
con the Gregorian calendar. Today is highlighted.         on the Gregorian calendar. Today is highlighted.         on the Gregorian calendar. Today is highlighted.           2020         Sunrise/Sunset         Solar Noon           Jan         Sunrise         Time           1         7:42 am ↑ (123°)         12:06 pm (21.6°)           2         7:42 am ↑ (123°)         12:06 pm (21.7°)           3         7:42 am ↑ (123°)         12:07 pm (21.8°)           4         7:42 am ↑ (122°)         12:07 pm (21.9°)           5         7:42 am ↑ (122°)         12:08 pm (22.0°)           6         7:42 am ↑ (122°)         12:08 pm (22.1°)           7         7:42 am ↑ (122°)         12:08 pm (22.2°)           8         7:41 am ↑ (122°)         12:09 pm (22.4°)           9         7:41 am ↑ (121°)         12:09 pm (22.5°)           10         7:41 am ↑ (121°)         12:10 pm (22.7°)           11         7:40 am ↑ (121°)         12:10 pm (22.8°)           12         12:10 pm (23.0°)			
highlighted.         highlighted.         highlighted.           2020         Sunrise/Sunset         Solar Noon           Jan         Sunrise         Time           1         7:42 am ↑ (123°)         12:06 pm (21.6°)           2         7:42 am ↑ (123°)         12:07 pm (21.8°)           3         7:42 am ↑ (122°)         12:07 pm (21.9°)           5         7:42 am ↑ (122°)         12:08 pm (22.0°)           6         7:42 am ↑ (122°)         12:08 pm (22.1°)           7         7:42 am ↑ (122°)         12:08 pm (22.2°)           8         7:41 am ↑ (122°)         12:09 pm (22.4°)           9         7:41 am ↑ (121°)         12:09 pm (22.5°)           10         7:41 am ↑ (121°)         12:10 pm (22.7°)           11         7:40 am ↑ (121°)         12:10 pm (22.8°)           12         7:40 am ↑ (121°)         12:10 pm (23.0°)			
Jan         Sunrise         Time           1         7:42 am ↑ (123°)         12:06 pm (21.6°)           2         7:42 am ↑ (123°)         12:06 pm (21.7°)           3         7:42 am ↑ (123°)         12:07 pm (21.8°)           4         7:42 am ↑ (122°)         12:07 pm (21.9°)           5         7:42 am ↑ (122°)         12:08 pm (22.0°)           6         7:42 am ↑ (122°)         12:08 pm (22.1°)           7         7:42 am ↑ (122°)         12:08 pm (22.2°)           8         7:41 am ↑ (122°)         12:09 pm (22.4°)           9         7:41 am ↑ (121°)         12:10 pm (22.7°)           10         7:41 am ↑ (121°)         12:10 pm (22.8°)           11         7:40 am ↑ (121°)         12:10 pm (23.0°)	highlighted.		
Jan         Sunrise         Time           1         7:42 am ↑ (123°)         12:06 pm (21.6°)           2         7:42 am ↑ (123°)         12:06 pm (21.7°)           3         7:42 am ↑ (123°)         12:07 pm (21.8°)           4         7:42 am ↑ (122°)         12:07 pm (21.9°)           5         7:42 am ↑ (122°)         12:08 pm (22.0°)           6         7:42 am ↑ (122°)         12:08 pm (22.1°)           7         7:42 am ↑ (122°)         12:08 pm (22.2°)           8         7:41 am ↑ (122°)         12:09 pm (22.4°)           9         7:41 am ↑ (121°)         12:10 pm (22.7°)           10         7:41 am ↑ (121°)         12:10 pm (22.8°)           11         7:40 am ↑ (121°)         12:10 pm (23.0°)	2020	Sunrise/Sunset	Solar Noon
Jan         Sunrise         Time           1         7:42 am ↑ (123°)         12:06 pm (21.6°)           2         7:42 am ↑ (123°)         12:06 pm (21.7°)           3         7:42 am ↑ (123°)         12:07 pm (21.8°)           4         7:42 am ↑ (122°)         12:07 pm (21.9°)           5         7:42 am ↑ (122°)         12:08 pm (22.0°)           6         7:42 am ↑ (122°)         12:08 pm (22.1°)           7         7:42 am ↑ (122°)         12:08 pm (22.2°)           8         7:41 am ↑ (122°)         12:09 pm (22.4°)           9         7:41 am ↑ (121°)         12:10 pm (22.7°)           10         7:41 am ↑ (121°)         12:10 pm (22.7°)           11         7:40 am ↑ (121°)         12:10 pm (23.0°)			
1 $7:42 \text{ am} \uparrow (123^{\circ})$ $12:06 \text{ pm} (21.6^{\circ})$ 2 $7:42 \text{ am} \uparrow (123^{\circ})$ $12:06 \text{ pm} (21.7^{\circ})$ 3 $7:42 \text{ am} \uparrow (123^{\circ})$ $12:07 \text{ pm} (21.8^{\circ})$ 4 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:07 \text{ pm} (21.9^{\circ})$ 5 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.0^{\circ})$ 6 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.1^{\circ})$ 7 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.2^{\circ})$ 8 $7:41 \text{ am} \uparrow (122^{\circ})$ $12:09 \text{ pm} (22.4^{\circ})$ 9 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:09 \text{ pm} (22.5^{\circ})$ 10 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.7^{\circ})$ 11 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$			
2 $7:42 \text{ am} \uparrow (123^{\circ})$ $12:06 \text{ pm} (21.7^{\circ})$ 3 $7:42 \text{ am} \uparrow (123^{\circ})$ $12:07 \text{ pm} (21.8^{\circ})$ 4 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.9^{\circ})$ 5 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.0^{\circ})$ 6 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.1^{\circ})$ 7 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.2^{\circ})$ 8 $7:41 \text{ am} \uparrow (122^{\circ})$ $12:09 \text{ pm} (22.4^{\circ})$ 9 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:09 \text{ pm} (22.5^{\circ})$ 10 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.7^{\circ})$ 11 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$	1		
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4 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:07 \text{ pm} (21.9^{\circ})$ 5 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.0^{\circ})$ 6 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.1^{\circ})$ 7 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.2^{\circ})$ 8 $7:41 \text{ am} \uparrow (122^{\circ})$ $12:09 \text{ pm} (22.4^{\circ})$ 9 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:09 \text{ pm} (22.5^{\circ})$ 10 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.8^{\circ})$ 11 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$	3		
5 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.0^{\circ})$ 6 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.1^{\circ})$ 7 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.2^{\circ})$ 8 $7:41 \text{ am} \uparrow (122^{\circ})$ $12:09 \text{ pm} (22.4^{\circ})$ 9 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:09 \text{ pm} (22.5^{\circ})$ 10 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.7^{\circ})$ 11 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.8^{\circ})$ 12 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$	4		1 1
6 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.1^{\circ})$ 7 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.2^{\circ})$ 8 $7:41 \text{ am} \uparrow (122^{\circ})$ $12:09 \text{ pm} (22.4^{\circ})$ 9 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:09 \text{ pm} (22.5^{\circ})$ 10 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.7^{\circ})$ 11 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.8^{\circ})$ 12 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$	5		- ` ` '
7 $7:42 \text{ am} \uparrow (122^{\circ})$ $12:08 \text{ pm} (22.2^{\circ})$ 8 $7:41 \text{ am} \uparrow (122^{\circ})$ $12:09 \text{ pm} (22.4^{\circ})$ 9 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:09 \text{ pm} (22.5^{\circ})$ 10 $7:41 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.7^{\circ})$ 11 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (22.8^{\circ})$ 12 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$			
8     7:41 am ↑ (122°)     12:09 pm (22.4°)       9     7:41 am ↑ (121°)     12:09 pm (22.5°)       10     7:41 am ↑ (121°)     12:10 pm (22.7°)       11     7:40 am ↑ (121°)     12:10 pm (22.8°)       12     7:40 am ↑ (121°)     12:10 pm (23.0°)	7		
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10 $7:41 \text{ am} \uparrow (121^\circ)$ $12:10 \text{ pm} (22.7^\circ)$ 11 $7:40 \text{ am} \uparrow (121^\circ)$ $12:10 \text{ pm} (22.8^\circ)$ 12 $7:40 \text{ am} \uparrow (121^\circ)$ $12:10 \text{ pm} (23.0^\circ)$		1 1 1	
11     7:40 am ↑ (121°)     12:10 pm (22.8°)       12     7:40 am ↑ (121°)     12:10 pm (23.0°)	9		
12 $7:40 \text{ am} \uparrow (121^{\circ})$ $12:10 \text{ pm} (23.0^{\circ})$	10		
	11		- ` '
13   7:40 am ↑ (121°)   12:11 pm (23.1°)	12		
	13	7:40 am ↑ (121°)	12:11 pm (23.1°)

Sunrise/Sunset

Solar Noon

2019

2020	Sunrise/Sunset	Solar Noon
Jan	Sunrise	Time
Jan	Sunrise	Time
14	7:39 am ↑ (120°)	12:11 pm (23.3°)
15	7:39 am ↑ (120°)	12:12 pm (23.5°)
16	7:38 am ↑ (120°)	12:12 pm (23.7°)
17	7:37 am ↑ (119°)	12:12 pm (23.9°)
18	7:37 am ↑ (119°)	12:13 pm (24.1°)
19	7:36 am ↑ (119°)	12:13 pm (24.3°)
20	7:35 am ↑ (118°)	12:13 pm (24.5°)
21	7:34 am ↑ (118°)	12:13 pm (24.7°)
22	7:34 am ↑ (118°)	12:14 pm (24.9°)
23	7:33 am ↑ (117°)	12:14 pm (25.2°)
24	7:32 am ↑ (117°)	12:14 pm (25.4°)
25	7:31 am ↑ (117°)	12:15 pm (25.6°)
26	7:30 am ↑ (116°)	12:15 pm (25.9°)
27	7:29 am ↑ (116°)	12:15 pm (26.1°)
28	7:28 am ↑ (116°)	12:15 pm (26.4°)
29	7:27 am ↑ (115°)	12:15 pm (26.7°)
30	7:26 am ↑ (115°)	12:16 pm (26.9°)
31	7:25 am ↑ (114°)	12:16 pm (27.2°)
* All times are local time for Ottawa. They	* All times are local time for Ottawa. They	* All times are local time for Ottawa. They
	take into account refraction. Dates are based	
on the Gregorian calendar.		on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Feb	Sunrise	Time
Feb	Sunrise	Time
1	7:24 am ↑ (114°)	12:16 pm (27.5°)
2	7:22 am ↑ (114°)	12:16 pm (27.8°)
3	7:21 am ↑ (113°)	12:16 pm (28.1°)
4	7:20 am ↑ (113°)	12:16 pm (28.4°)
5	7:19 am ↑ (112°)	12:16 pm (28.7°)
6	7:17 am ↑ (112°)	12:16 pm (29.0°)
7	7.16 am 1 (1110)	
8	7:16 am ↑ (111°)	12:16 pm (29.3°)
	7:15 am ↑ (111°)	12:16 pm (29.6°)
9	7:15 am ↑ (111°) 7:13 am ↑ (110°)	12:16 pm (29.6°) 12:16 pm (29.9°)
9 10	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°)
9 10 11	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°)
9 10 11 12	7:15 am \(\) (111°) 7:13 am \(\) (110°) 7:12 am \(\) (110°) 7:11 am \(\) (109°) 7:09 am \(\) (109°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°)
9 10 11 12 13	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°)
9 10 11 12 13 14	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°)
9 10 11 12 13	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°) 7:05 am ↑ (107°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°)
9 10 11 12 13 14	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°)
9 10 11 12 13 14	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°) 7:05 am ↑ (107°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°)
9 10 11 12 13 14 15 16	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°) 7:05 am ↑ (107°) 7:03 am ↑ (107°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°) 12:16 pm (32.3°)
9 10 11 12 13 14 15 16	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°) 7:05 am ↑ (107°) 7:03 am ↑ (107°) 7:01 am ↑ (106°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°) 12:16 pm (32.3°)
9 10 11 12 13 14 15 16 17 18 19 20	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:05 am ↑ (108°) 7:03 am ↑ (107°) 7:01 am ↑ (106°) 7:00 am ↑ (106°) 6:58 am ↑ (105°) 6:57 am ↑ (105°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (32.6°) 12:16 pm (32.6°) 12:16 pm (33.0°)
9 10 11 12 13 14 15 16 17 18	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:05 am ↑ (107°) 7:03 am ↑ (107°) 7:01 am ↑ (106°) 7:00 am ↑ (106°) 6:58 am ↑ (105°) 6:57 am ↑ (104°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.9°) 12:16 pm (32.3°) 12:16 pm (32.3°) 12:16 pm (33.0°) 12:16 pm (33.0°) 12:16 pm (33.0°)
9 10 11 12 13 14 15 16 17 18 19 20 21	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:05 am ↑ (108°) 7:03 am ↑ (107°) 7:01 am ↑ (106°) 7:00 am ↑ (106°) 6:58 am ↑ (105°) 6:57 am ↑ (105°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°) 12:16 pm (32.3°) 12:16 pm (32.3°) 12:16 pm (33.3°) 12:16 pm (33.3°) 12:16 pm (33.7°) 12:16 pm (34.0°) 12:16 pm (34.4°)
9 10 11 12 13 14 15 16 17 18 19 20 21	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:05 am ↑ (107°) 7:03 am ↑ (107°) 7:01 am ↑ (106°) 7:00 am ↑ (106°) 6:58 am ↑ (105°) 6:57 am ↑ (104°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.9°) 12:16 pm (32.3°) 12:16 pm (32.3°) 12:16 pm (33.3°) 12:16 pm (33.7°) 12:16 pm (34.0°)
9 10 11 12 13 14 15 16 17 18 19 20 21	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°) 7:03 am ↑ (107°) 7:03 am ↑ (107°) 7:04 am ↑ (106°) 6:58 am ↑ (105°) 6:55 am ↑ (105°) 6:55 am ↑ (104°) 6:53 am ↑ (104°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°) 12:16 pm (32.3°) 12:16 pm (32.3°) 12:16 pm (33.3°) 12:16 pm (33.3°) 12:16 pm (33.7°) 12:16 pm (34.0°) 12:16 pm (34.4°)
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:06 am ↑ (108°) 7:03 am ↑ (107°) 7:01 am ↑ (106°) 7:00 am ↑ (106°) 6:58 am ↑ (105°) 6:57 am ↑ (105°) 6:53 am ↑ (104°) 6:52 am ↑ (104°) 6:52 am ↑ (103°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.6°) 12:16 pm (31.9°) 12:16 pm (32.3°) 12:16 pm (33.3°) 12:16 pm (33.0°) 12:16 pm (33.7°) 12:16 pm (34.0°) 12:16 pm (34.4°) 12:16 pm (34.8°)
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	7:15 am ↑ (111°) 7:13 am ↑ (110°) 7:12 am ↑ (110°) 7:11 am ↑ (109°) 7:09 am ↑ (109°) 7:08 am ↑ (108°) 7:05 am ↑ (107°) 7:03 am ↑ (107°) 7:01 am ↑ (106°) 7:00 am ↑ (106°) 6:58 am ↑ (105°) 6:55 am ↑ (104°) 6:52 am ↑ (104°) 6:50 am ↑ (103°)	12:16 pm (29.6°) 12:16 pm (29.9°) 12:16 pm (30.2°) 12:16 pm (30.6°) 12:16 pm (30.9°) 12:16 pm (31.2°) 12:16 pm (31.9°) 12:16 pm (32.3°) 12:16 pm (32.3°) 12:16 pm (33.0°) 12:16 pm (33.0°) 12:16 pm (33.0°) 12:16 pm (34.0°) 12:16 pm (34.0°) 12:16 pm (34.8°) 12:16 pm (35.1°)

2020	Sunrise/Sunset	Solar Noon
Feb	Sunrise	Time
Feb	Sunrise	Time
28	6:43 am ↑ (101°)	12:15 pm (36.6°)
29	6:41 am ↑ (100°)	12:15 pm (37.0°)
* All times are local time for Ottawa. They	* All times are local time for Ottawa. They	* All times are local time for Ottawa. They
	take into account refraction. Dates are based	
on the Gregorian calendar.	on the Gregorian calendar.	on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Mar	Sunrise	Time
Mar	Sunrise	Time
1	6:40 am ↑ (100°)	12:14 pm (37.4°)
2	6:38 am ↑ (99°)	12:14 pm (37.8°)
3	6:36 am ↑ (98°)	12:14 pm (38.1°)
4	6:34 am ↑ (98°)	12:14 pm (38.5°)
5	6:32 am ↑ (97°)	12:14 pm (38.9°)
6	6:31 am ↑ (97°)	12:13 pm (39.3°)
7	6:29 am ↑ (96°)	12:13 pm (39.7°)
Note: hours shift because clocks change forward 1 hour. (See the note below this	Note: hours shift because clocks change forward 1 hour. (See the note below this	Note: hours shift because clocks change forward 1 hour. (See the note below this
table for details)	table for details)	table for details)
8	7:27 am ↑ (96°)	1:13 pm (40.1°)
9	7:25 am \(\gamma\) (95°)	1:13 pm (40.5°)
10	7:23 am ↑ (95°)	1:12 pm (40.9°)
11	7:21 am \(\gamma\) (94°)	1:12 pm (41.3°)
12	7:20 am \(\gamma\) (93°)	1:12 pm (41.7°)
13	7:18 am ↑ (93°)	1:12 pm (42.0°)
14	7:16 am \(\gamma\) (92°)	1:11 pm (42.4°)
15	7:14 am ↑ (92°)	1:11 pm (42.8°)
16	7:12 am \(\gamma\) (91°)	1:11 pm (43.2°)
17	7:10 am ↑ (91°)	1:10 pm (43.6°)
18	7:08 am ↑ (90°)	1:10 pm (44.0°)
19	7:06 am \(\gamma\) (90°)	1:10 pm (44.4°)
20	7:04 am ↑ (89°)	1:10 pm (44.8°)
21	7:03 am ↑ (88°)	1:09 pm (45.2°)
22	7:01 am ↑ (88°)	1:09 pm (45.6°)
23	6:59 am ↑ (87°)	1:09 pm (46.0°)
24	6:57 am ↑ (87°)	1:08 pm (46.4°)
25	6:55 am ↑ (86°)	1:08 pm (46.8°)
26	6:53 am ↑ (86°)	1:08 pm (47.2°)
27	6:51 am ↑ (85°)	1:07 pm (47.6°)
28	6:49 am ↑ (85°)	1:07 pm (48.0°)
29	6:47 am ↑ (84°)	1:07 pm (48.3°)
30	6:45 am ↑ (83°)	1:07 pm (48.7°)
31	6:44 am ↑ (83°)	1:06 pm (49.1°)
* All times are local time for Ottawa. Time	* All times are local time for Ottawa. Time	* All times are local time for Ottawa. Time
is adjusted for DST when applicable. They	is adjusted for DST when applicable. They take into account refraction. Dates are based	is adjusted for DST when applicable. They
on the Gregorian calendar.	on the Gregorian calendar.	on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Apr	Sunrise	Time
Apr	Surrise	Time
1	6:42 am ↑ (82°)	1:06 pm (49.5°)
2	6:40 am ↑ (82°)	1:06 pm (49.9°)
3	6:38 am ↑ (81°)	1:05 pm (50.3°)
	1 \ /	/

Apr	Sunrise	Time
Apr	Sunrise	Time
4	6:36 am ↑ (81°)	1:05 pm (50.7°)
5	6:34 am ↑ (80°)	1:05 pm (51.0°)
6	6:32 am ↑ (80°)	1:05 pm (51.4°)
7	6:31 am ↑ (79°)	1:04 pm (51.8°)
8	6:29 am ↑ (78°)	1:04 pm (52.2°)
9	6:27 am ↑ (78°)	1:04 pm (52.5°)
10	6:25 am ↑ (77°)	1:03 pm (52.9°)
11	6:23 am ↑ (77°)	1:03 pm (53.3°)
12	6:21 am ↑ (76°)	1:03 pm (53.6°)
13	6:20 am ↑ (76°)	1:03 pm (54.0°)
14	6:18 am ↑ (75°)	1:02 pm (54.3°)
15	6:16 am ↑ (75°)	1:02 pm (54.7°)
16	6:14 am ↑ (74°)	1:02 pm (55.1°)
17	6:13 am ↑ (74°)	1:02 pm (55.4°)
18	6:11 am ↑ (73°)	1:01 pm (55.7°)
19	6:09 am ↑ (73°)	1:01 pm (56.1°)
20	6:07 am ↑ (72°)	1:01 pm (56.4°)
21	6:06 am ↑ (72°)	1:01 pm (56.8°)
22	6:04 am ↑ (71°)	1:01 pm (57.1°)
23	6:02 am ↑ (71°)	1:00 pm (57.4°)
24	6:01 am ↑ (70°)	1:00 pm (57.8°)
25	5:59 am \(\gamma\) (70°)	1:00 pm (58.1°)
26	5:58 am \(\gamma\) (69°)	1:00 pm (58.4°)
27	5:56 am \(\gamma\) (69°)	1:00 pm (58.7°)
28	5:54 am \(\gamma\) (68°)	1:00 pm (59.0°)
29	5:53 am ↑ (68°)	1:00 pm (59.3°)
30	5:51 am \(\gamma\) (67°)	12:59 pm (59.7°)
* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
May	Sunrise	Time
May	Sunrise	Time
1	5:50 am ↑ (67°)	12:59 pm (60.0°)
2	5:48 am ↑ (67°)	12:59 pm (60.2°)
3	5:47 am ↑ (66°)	12:59 pm (60.5°)
4	5:46 am ↑ (66°)	12:59 pm (60.8°)
5	5:44 am ↑ (65°)	12:59 pm (61.1°)
6	5:43 am ↑ (65°)	12:59 pm (61.4°)
7	5:41 am ↑ (64°)	12:59 pm (61.7°)
8		12:59 pm (61.9°)
9	5:40 am ↑ (64°)	12:35 pm (01.5 )
	5:40 am ↑ (64°) 5:39 am ↑ (64°)	12:59 pm (62.2°)
10		
	5:39 am ↑ (64°)	12:59 pm (62.2°)
	5:39 am ↑ (64°) 5:37 am ↑ (63°)	12:59 pm (62.2°) 12:59 pm (62.5°)
11	5:39 am ↑ (64°) 5:37 am ↑ (63°) 5:36 am ↑ (63°)	12:59 pm (62.2°) 12:59 pm (62.5°) 12:59 pm (62.7°)
11 12	5:39 am ↑ (64°) 5:37 am ↑ (63°) 5:36 am ↑ (63°) 5:35 am ↑ (62°)	12:59 pm (62.2°) 12:59 pm (62.5°) 12:59 pm (62.7°) 12:59 pm (63.0°)
11 12 13	5:39 am ↑ (64°) 5:37 am ↑ (63°) 5:36 am ↑ (63°) 5:35 am ↑ (62°) 5:34 am ↑ (62°)	12:59 pm (62.2°) 12:59 pm (62.5°) 12:59 pm (62.7°) 12:59 pm (63.0°) 12:59 pm (63.2°)

Sunrise/Sunset

**Solar Noon** 

2020

2020	Sunrise/Sunset	Solar Noon
May	Sunrise	Time
•	Sunrise	Time
May	5:29 am ↑ (61°)	11me 12:59 pm (64.1°)
18	5:28 am ↑ (60°)	12:59 pm (64.1°)
19	5:27 am ↑ (60°)	12:59 pm (64.6°)
20	5:26 am \(\gamma\) (60°)	12:59 pm (64.8°)
21	5:25 am \(\frac{(60')}{}	12:59 pm (65.0°)
22	5:24 am ↑ (59°)	12:59 pm (65.2°)
23	5:23 am \(\gamma\) (59°)	12:59 pm (65.3°)
24	5:23 am ↑ (58°)	12:59 pm (65.5°)
25	5:22 am \(\gamma\) (58°)	12:59 pm (65.7°)
26	5:21 am \(\gamma\) (58°)	12:59 pm (65.9°)
27	5:20 am \(\gamma\) (58°)	1:00 pm (66.0°)
28	5:20 am \(\gamma(58^\circ)\)	1:00 pm (66.2°)
29	5:19 am \(\gamma\) (57°)	1:00 pm (66.3°)
30	$5.19 \text{ am} \uparrow (57^{\circ})$	1:00 pm (66.5°)
31	5:18 am \(\gamma(57^\circ)\)	1:00 pm (66.6°)
* All times are local time for Ottawa. Time	* All times are local time for Ottawa. Time	* All times are local time for Ottawa. Time
is adjusted for DST when applicable. They	is adjusted for DST when applicable. They	is adjusted for DST when applicable. They
take into account refraction. Dates are based	take into account refraction. Dates are based	take into account refraction. Dates are based
on the Gregorian calendar.	on the Gregorian calendar.	on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Jun	Sunrise	Time
Jun	Sunrise	Time
1	5:17 am ↑ (57°)	1:00 pm (66.8°)
2	5:17 am ↑ (56°)	1:00 pm (66.9°)
3	5:16 am ↑ (56°)	1:01 pm (67.0°)
4	5:16 am ↑ (56°)	1:01 pm (67.1°)
5	5:15 am ↑ (56°)	1:01 pm (67.2°)
6	5:15 am ↑ (56°)	1:01 pm (67.3°)
7	5:15 am ↑ (55°)	1:01 pm (67.4°)
8	5:14 am ↑ (55°)	1:01 pm (67.5°)
9	5:14 am ↑ (55°)	1:02 pm (67.6°)
10	5:14 am ↑ (55°)	1:02 pm (67.7°)
11	5:14 am ↑ (55°)	1:02 pm (67.7°)
12	5:13 am ↑ (55°)	1:02 pm (67.8°)
13	5:13 am ↑ (55°)	1:03 pm (67.8°)
14	5:13 am ↑ (55°)	1:03 pm (67.9°)
15	5:13 am ↑ (55°)	1:03 pm (67.9°)
16	5:13 am ↑ (55°)	1:03 pm (68.0°)
17	5:13 am ↑ (55°)	1:03 pm (68.0°)
18	5:14 am ↑ (54°)	1:04 pm (68.0°)
19	5:14 am ↑ (54°)	1:04 pm (68.0°)
20	5:14 am ↑ (54°)	1:04 pm (68.0°)
21	5:14 am ↑ (54°)	1:04 pm (68.0°)
22	5:14 am ↑ (54°)	1:04 pm (68.0°)
23	5:15 am ↑ (54°)	1:05 pm (68.0°)
24	5:15 am ↑ (55°)	1:05 pm (68.0°)
25	5:15 am ↑ (55°)	1:05 pm (67.9°)
26	5:16 am ↑ (55°)	1:05 pm (67.9°)
	1 1 1	
27	5:16 am ↑ (55°)	1:06 pm (67.9°)
28	5:16 am \(\gamma\) (55°) 5:17 am \(\gamma\) (55°)	1:06 pm (67.9°) 1:06 pm (67.8°)
	5:16 am ↑ (55°)	1:06 pm (67.9°)

2020	Sunrise/Sunset	Solar Noon
Jun	Sunrise	Time
Jun	Sunrise	Time
30	5:18 am ↑ (55°)	1:06 pm (67.7°)
* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Jul	Sunrise	Time
Jul	Sunrise	Time
1	5:18 am ↑ (55°)	1:06 pm (67.6°)
2	5:19 am ↑ (55°)	1:06 pm (67.5°)
3	5:19 am ↑ (55°)	1:07 pm (67.5°)
4	5:20 am ↑ (55°)	1:07 pm (67.4°)
5	5:21 am ↑ (56°)	1:07 pm (67.3°)
6	5:21 am ↑ (56°)	1:07 pm (67.2°)
7	5:22 am \(\gamma\) (56°)	1:07 pm (67.1°)
8	5:23 am ↑ (56°)	1:07 pm (66.9°)
9	5:24 am ↑ (56°)	1:08 pm (66.8°)
10	5:25 am ↑ (5°°)	1:08 pm (66.7°)
11	5:25 am ↑ (57°)	1:08 pm (66.6°)
12	5:26 am ↑ (57°)	1:08 pm (66.4°)
13	5:27 am ↑ (57°)	1:08 pm (66.3°)
14	5:28 am ↑ (57°)	1:08 pm (66.1°)
15	5:29 am ↑ (58°)	1:08 pm (66.0°)
16	5:30 am \(\gamma\) (58°)	1:08 pm (65.8°)
17	5:31 am \(\gamma\) (58°)	1:09 pm (65.6°)
18	5:32 am ↑ (58°)	1:09 pm (65.4°)
19	5:33 am ↑ (59°)	1:09 pm (65.2°)
20	5:34 am \(\gamma\) (59°)	1:09 pm (65.1°)
21 22	5:35 am \(\gamma\) (59°) 5:36 am \(\gamma\) (60°)	1:09 pm (64.9°) 1:09 pm (64.7°)
	5:37 am \(\) (60°)	
23		1:09 pm (64.5°)
24	5:38 am ↑ (60°)	1:09 pm (64.2°)
25	5:39 am ↑ (61°)	1:09 pm (64.0°)
26	5:40 am ↑ (61°)	1:09 pm (63.8°)
27	5:41 am ↑ (61°)	1:09 pm (63.6°)
28	5:43 am ↑ (62°)	1:09 pm (63.3°)
29	5:44 am ↑ (62°)	1:09 pm (63.1°)
30	5:45 am ↑ (62°)	1:09 pm (62.9°)
31	5:46 am ↑ (63°)	1:09 pm (62.6°)
* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Aug	Sunrise	Time
Aug	Sunrise	Time
1	5:47 am ↑ (63°)	1:09 pm (62.4°)
2	5:48 am ↑ (64°)	1:09 pm (62.1°)
3	5:49 am ↑ (64°)	1:08 pm (61.8°)
4	5:51 am ↑ (64°)	1:08 pm (61.6°)
5	5:52 am ↑ (65°)	1:08 pm (61.3°)
	5:52 am   (65°) 5:53 am ↑ (65°)	1:08 pm (61.3°) 1:08 pm (61.0°)
6	S.J. alli   (03 )	1.00 pm (01.0 )

2020	Sunrise/Sunset	Solar Noon
Aug	Sunrise	Time
Aug	Sunrise	Time
7	5:54 am ↑ (66°)	1:08 pm (60.7°)
8	5:55 am ↑ (66°)	1:08 pm (60.4°)
9	5:57 am ↑ (66°)	1:08 pm (60.2°)
10	5:58 am ↑ (67°)	1:08 pm (59.9°)
11	5:59 am ↑ (67°)	1:07 pm (59.6°)
12	6:00 am ↑ (68°)	1:07 pm (59.3°)
13	6:01 am ↑ (68°)	1:07 pm (59.0°)
14	6:03 am ↑ (69°)	1:07 pm (58.6°)
15	6:04 am ↑ (69°)	1:07 pm (58.3°)
16	6:05 am ↑ (70°)	1:06 pm (58.0°)
17	6:06 am ↑ (70°)	1:06 pm (57.7°)
18	6:07 am ↑ (71°)	1:06 pm (57.4°)
19	6:09 am ↑ (71°)	1:06 pm (57.0°)
20	6:10 am ↑ (72°)	1:06 pm (56.7°)
21	6:11 am ↑ (72°)	1:05 pm (56.4°)
22	6:12 am ↑ (73°)	1:05 pm (56.0°)
23	6:14 am ↑ (73°)	1:05 pm (55.7°)
24	6:15 am ↑ (74°)	1:04 pm (55.4°)
25	6:16 am ↑ (74°)	1:04 pm (55.0°)
26	6:17 am ↑ (75°)	1:04 pm (54.7°)
27	6:18 am ↑ (75°)	1:04 pm (54.3°)
28	6:20 am ↑ (76°)	1:03 pm (54.0°)
29	6:21 am ↑ (76°)	1:03 pm (53.6°)
30	6:22 am ↑ (77°)	1:03 pm (53.2°)
31	6:23 am ↑ (77°)	1:02 pm (52.9°)
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take into account refraction. Dates are based on the Gregorian calendar.	take into account refraction. Dates are based on the Gregorian calendar.	take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Sep	Sunrise	Time
Sep	Sunrise	Time
1	6:24 am ↑ (78°)	1:02 pm (52.5°)
2	6:26 am ↑ (78°)	1:02 pm (52.2°)
3	6:27 am ↑ (79°)	1:02 pm (52.2 ) 1:01 pm (51.8°)
<u> </u>	6:28 am ↑ (79°)	1:01 pm (51.4°)
5	6:29 am ↑ (80°)	1:01 pm (51.0°)
6	6:30 am ↑ (80°)	1:00 pm (50.7°)
7	6:32 am ↑ (81°)	1:00 pm (50.7°)
/	0.32 alli   (61 )	
Q		1.00 pm (40.0°)
8	6:33 am ↑ (81°)	1:00 pm (49.9°)
9	6:33 am ↑ (81°) 6:34 am ↑ (82°)	12:59 pm (49.5°)
9	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°)	12:59 pm (49.5°) 12:59 pm (49.2°)
9 10 11	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°)
9 10 11 12	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°)
9 10 11 12 13	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°) 6:39 am ↑ (84°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°) 12:58 pm (48.0°)
9 10 11 12 13	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°) 6:39 am ↑ (84°) 6:40 am ↑ (85°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°) 12:58 pm (48.0°) 12:58 pm (47.6°)
9 10 11 12 13 14	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°) 6:39 am ↑ (84°) 6:40 am ↑ (85°) 6:41 am ↑ (85°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°) 12:58 pm (48.0°) 12:58 pm (47.6°) 12:57 pm (47.3°)
9 10 11 12 13 14 15	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°) 6:39 am ↑ (84°) 6:40 am ↑ (85°) 6:41 am ↑ (85°) 6:43 am ↑ (86°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°) 12:58 pm (48.0°) 12:58 pm (47.6°) 12:57 pm (47.3°) 12:57 pm (46.9°)
9 10 11 12 13 14 15 16	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°) 6:39 am ↑ (84°) 6:40 am ↑ (85°) 6:41 am ↑ (85°) 6:43 am ↑ (86°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°) 12:58 pm (48.0°) 12:58 pm (47.6°) 12:57 pm (47.3°) 12:57 pm (46.9°) 12:57 pm (46.5°)
9 10 11 12 13 14 15	6:33 am ↑ (81°) 6:34 am ↑ (82°) 6:35 am ↑ (82°) 6:37 am ↑ (83°) 6:38 am ↑ (84°) 6:39 am ↑ (84°) 6:40 am ↑ (85°) 6:41 am ↑ (85°) 6:43 am ↑ (86°)	12:59 pm (49.5°) 12:59 pm (49.2°) 12:59 pm (48.8°) 12:58 pm (48.4°) 12:58 pm (48.0°) 12:58 pm (47.6°) 12:57 pm (47.3°) 12:57 pm (46.9°)

2020	Sunrise/Sunset	Solar Noon
Sep	Sunrise	Time
Sep	Sunrise	Time
20	6:48 am ↑ (88°)	12:55 pm (45.3°)
21	6:49 am ↑ (89°)	12:55 pm (44.9°)
22	6:50 am ↑ (89°)	12:55 pm (44.5°)
23	6:51 am ↑ (90°)	12:54 pm (44.2°)
24	6:52 am ↑ (90°)	12:54 pm (43.8°)
25	6:54 am ↑ (91°)	12:54 pm (43.4°)
26	6:55 am ↑ (91°)	12:53 pm (43.0°)
27	6:56 am ↑ (92°)	12:53 pm (42.6°)
28	6:57 am ↑ (92°)	12:53 pm (42.2°)
29	6:59 am ↑ (93°)	12:52 pm (41.8°)
30	7:00 am ↑ (94°)	12:52 pm (41.4°)
* All times are local time for Ottawa. Time	* All times are local time for Ottawa. Time	* All times are local time for Ottawa. Time
is adjusted for DST when applicable. They		is adjusted for DST when applicable. They
	take into account refraction. Dates are based	take into account refraction. Dates are based on the Gregorian calendar.
on the Gregorian calendar.	on the Gregorian calendar.	
2020	Sunrise/Sunset	Solar Noon
Oct	Sunrise	Time
Oct	Sunrise	Time
1	7:01 am ↑ (94°)	12:52 pm (41.0°)
2	7:02 am ↑ (95°)	12:51 pm (40.7°)
3	7:04 am ↑ (95°)	12:51 pm (40.3°)
4	7:05 am ↑ (96°)	12:51 pm (39.9°)
5	7:06 am ↑ (96°)	12:50 pm (39.5°)
6	7:07 am ↑ (97°)	12:50 pm (39.1°)
7	7:09 am ↑ (97°)	12:50 pm (38.7°)
8	7:10 am ↑ (98°)	12:50 pm (38.4°)
9	7:11 am ↑ (98°)	12:49 pm (38.0°)
10	7:13 am ↑ (99°)	12:49 pm (37.6°)
11		12:49 pm (37.2°)
12	7:15 am ↑ (100°)	12:49 pm (36.9°)
13	7:17 am ↑ (101°)	12:48 pm (36.5°)
14	7:18 am ↑ (101°)	12:48 pm (36.1°)
15	7:19 am ↑ (102°)	12:48 pm (35.7°)
16	7:21 am ↑ (102°)	12:48 pm (35.4°)
17	7:22 am ↑ (103°)	12:47 pm (35.0°)
18	7:23 am ↑ (103°)	12:47 pm (34.6°)
19	7:25 am ↑ (104°)	12:47 pm (34.3°)
20	7:26 am ↑ (104°)	12:47 pm (33.9°)
21	7:27 am ↑ (105°)	12:47 pm (33.6°)
22	7:29 am ↑ (105°)	12:47 pm (33.2°)
23	7:30 am ↑ (106°)	12:47 pm (32.9°)
24	7:31 am ↑ (106°)	12:46 pm (32.5°)
25	7:33 am ↑ (107°)	12:46 pm (32.2°)
26	7:34 am ↑ (107°)	12:46 pm (31.8°)
27	7:35 am ↑ (108°)	12:46 pm (31.5°)
28	7:37 am ↑ (108°)	12:46 pm (31.2°)
29	7:38 am ↑ (109°)	12:46 pm (30.8°)
30	7:40 am ↑ (109°)	12:46 pm (30.5°)
31	7:41 am ↑ (110°)	12:46 pm (30.2°)

2020	Sunrise/Sunset	Solar Noon
Oct	Sunrise	Time
Oct	Sunrise	Time
* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Ottawa. Time is adjusted for DST when applicable. They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Nov	Sunrise	Time
Nov	Sunrise	Time
backward 1 hour. (See the note below this	Note: hours shift because clocks change backward 1 hour. (See the note below this table for details)	Note: hours shift because clocks change backward 1 hour. (See the note below this table for details)
1	6:42 am ↑ (110°)	11:46 am (29.9°)
2	6:44 am ↑ (111°)	11:46 am (29.6°)
3	6:45 am ↑ (111°)	11:46 am (29.3°)
4	6:47 am ↑ (112°)	11:46 am (29.0°)
5	6:48 am ↑ (112°)	11:46 am (28.6°)
6	6:49 am ↑ (112°)	11:46 am (28.4°)
7	6:51 am ↑ (113°)	11:46 am (28.1°)
8	6:52 am ↑ (113°)	11:46 am (27.8°)
9	6:54 am ↑ (114°)	11:46 am (27.5°)
10	6:55 am ↑ (114°)	11:46 am (27.2°)
11	6:56 am ↑ (115°)	11:46 am (26.9°)
12	6:58 am ↑ (115°)	11:47 am (26.7°)
13	6:59 am ↑ (115°)	11:47 am (26.4°)
14	7:00 am ↑ (116°)	11:47 am (26.1°)
15	7:02 am ↑ (116°)	11:47 am (25.9°)
16	7:03 am ↑ (117°)	11:47 am (25.6°)
17	7:05 am ↑ (117°)	11:47 am (25.4°)
18	7:06 am ↑ (117°)	11:48 am (25.2°)
19	7:07 am ↑ (118°)	11:48 am (24.9°)
20	7:09 am ↑ (118°)	11:48 am (24.7°)
21	7:10 am ↑ (118°)	11:48 am (24.5°)
22	7:11 am ↑ (119°)	11:49 am (24.3°)
23	7:13 am ↑ (119°)	11:49 am (24.1°)
24	7:14 am ↑ (119°)	11:49 am (23.9°)
25	7:15 am ↑ (120°)	11:49 am (23.7°)
26	7:16 am ↑ (120°)	11:50 am (23.5°)
27	7:18 am ↑ (120°)	11:50 am (23.3°)
28	7:19 am ↑ (120°)	11:50 am (23.2°)
29	7:20 am ↑ (121°)	11:51 am (23.0°)
30	7:21 am ↑ (121°)	11:51 am (22.8°)
* All times are local time for Ottawa. They	* All times are local time for Ottawa. They	* All times are local time for Ottawa. They
	take into account refraction. Dates are based on the Gregorian calendar.	
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