# SALAT TIMES \& QIBLAH GUIDE FOR TOWNS AND CITIES IN THE UNITED KINGDOM 

## Part 2

By:Molvi Yaqub Ahmed Miftahi

## INTRODUCTION

These times have been kindly computed by Brother Khalid Shaukat, a well known Muslim scientist with a track record in the field of astronomical research. He is advisor to the Islamic Society of North America (ISNA). Dr Khalid Shaukat has ensured that observatory calculated times have been adapted for accuracy as observatory times do not take into account specific shariah requirements. This is explained below.

My sincere thanks to Brother Khalid Shaukat for supplying these times allowing ease for Muslims within the UK. If your town or city is not covered in this directory please either send an email to Yaqub Miftahi at the email address given above or to Brother Khalid Shaukat at shaukat@moonsighting.com and we will send Insha Allah the Salat times for your location.

The Fajar and Isha times shown are based on Mushahadah (naked eye observations) carried out by Ulama under the direction of Hizbul Ulama UK, in Blackburn during September 1987 - August 1988. Numerous Ulama from Jamiatul Ulama Bartaniya, Markazi Jamiatul Ulama and Hizbul Ulama UK agreed at a meeting held on 2 April 1988 (followed by another meeting on 2 January 1989) at Masjid Anisul Islam Troy Street, Blackburn, to adopt these times rather than use degree times that have been shown to be incorrect. The full background to determining Fajar and Isha times according to the Shariah is contained within the book "Fajar and Isha" by Y.A.MiftahiEnglish version available both electronically and as hard published version. An Urdu book, "Bartaniya Me Isha Ka Sahih Waqt" by Y.A.Miftahi is also available in hard published version only. For a copy of these books please send an email
request to: info@hizbululama.org.uk, telephone me on ++447866464040 , or write at the address below.

Sunrise - The effects described for sunset above apply also to sunrise and will have the effect of an earlier sunrise than observatory calculated times. As the sunrise times given in the tables below are calculated sunrise times, it is advised that a minimum of three minutes is taken away from the sunrise time given within the timetables below. Alternatively, you may add a note of caution in your Masajid timetables advising worshippers to refrain from prayer during the last few minutes of sunrise.

Zuhr in most Prayer Schedules is shown at Noon (which is before Zawaal). Noon time, when the sun is at its highest point, is Mamnoo' (Prohibitted) time for any Prayer. Theoretically, the sun does not go into Zawaal phase until its edges are out of the zenith line (line between the observer to the center of the sun when it is at Noon-phase). It takes about 1.5 minutes for the sun's disk come out of zenith. Additional 1 minutes must be added for a 30 miles radius consideration mentioned for Maghrib time. Thus, a minimum of 2.5 minutes must be considered as the minimum limit past Noon time for the beginning of Zuhr. Considering, that this precise theoretical definition is not given by any scholar, a little factor of safety (additional 2.5 minutes) is considered as a minimum for the beginning of Zuhr. Thus, 5 minutes should be added in Noon time for Zuhr.

Asr time calculations require different interpretations by different jurists such as Hanafi, Shafi'i, Maaliki, Hambali, or Ja'friyah (Shi'aa).

Maghrib should be calculated at least as 3 minutes after sunset for the following considerations:

1. The effects of actual humidity, temperature, and pressure in the atmosphere may cause a different refraction of sun light than assumed in calculations.
2. In some areas there could be a downward sloping ground towards western horizon that causes a delayed sunset for an observer compared to a perfectly level ground as assumed in calculations.
3. For major metropolitan cities, the sunset in a 30 mile radius from the point taken in calculation varies. Since the people using this schedule may live all around the city, this may delay sunset for some areas. These are the considerations for the 4 major Sunni school of thought.

Qiblah direction: Every day, there comes a time when any vertical object's shadow from the sun is in the Qiblah direction. If that does not happen then there is a time when facing the sun gives you Qiblah direction. Either of this time is provided for everyday in Qiblah column after Isha. This method for Qiblah is more accurate than the compass, which involves errors due to the presence of magnetic fields or metallic objects, and magnetic declination which causes compass needle to magnetic North which could be up to $100^{\circ}$ off from True North; how many degrees off depends upon the location.

For requesting Prayer Schedule \& Qiblah Direction, Send email with the following information:

1. City, and State/Country?
2. What school of thought (Shafi'i, or Hanafi, or both, or Maaliki, or Hanbali?). Do you need Qiblah Direction column?

British Summer Time Adjustment - The tables take into account changes due to daylight/summer time. It is therefore not necessary for you to adjust your timetable when the clocks change in March and October. However as this template is based on the 2007 calendar, it may be necessary that for future years you may need to adjust the times by one hour for a few days only depending on when the last Sunday of these months falls, i.e. the last Sunday in March 2007 is on 25th, but in 2008 the last Sunday falls on $30^{\text {th }}$ March, so therefore the time will adjust to 1 hour backward from $2^{\text {th }}$ to $29^{\text {th }}$ of March 2008, the remaining dates of months have already decreased in time until October 2008.

Similarly the last Sunday of October 2007 is on the $28^{\text {th }}$, and the last Sunday in 2008 is on $26^{\text {th }}$, therefore the time will adjust to 1 hour forward from the $26^{\text {th }}$ to $27^{\text {th }}$ of October 2008, the remaining dates of months have already increased in time until March 2008. This is the process that one must apply to future years and months.

May Allah subhanahawataalaa accept this humble effort, and pardon our faults. Aameen.

Note: Fasting commences at Fajar beginning time.

Molvi Yaqub Ahmed Miftahi
General Secretary of Hizbul Ulama UK
the Day of Jummuaa $14^{\text {th }}$ Muharram 1428H/ 2 February 2007

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## LIST OF TOWNS AND CITIES

PLACE
BIRMINGHAM ..... 129
BLACKBURN ..... 140
BOLTON ..... 151
BRADFORD ..... 162
CARDIFF ..... 173
CROYDON ..... 184
DEWSBURY/BATLEY ..... 195
EALING,LONDON ..... 206
EDINBURGH ..... 217
GLASGOW ..... 228
HACKNEY,LONDON ..... 239
LEICESTER ..... 250
LIVERPOOL ..... 261
LUTON ..... 272
MANCHESTER ..... 283
NEWCASTLE UPON TYNE ..... 294
PRESTON ..... 305
SHEFFIELD ..... 316
SOUTHAMPTON ..... 327
WALSALL ..... 338

## BIRMINGHAM Lt=52:30N Lg=1:50W GMT+ 0

Qiblah Compass=121:01E(2006.91)Qiblah from True North $=118: 03 \mathrm{E}$ DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | $6: 37 \mathrm{a}$ | $8: 18 \mathrm{a}$ | $12: 16 \mathrm{p}$ | $2: 16 \mathrm{p}$ | $4: 07 \mathrm{p}$ | $5: 43 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 2 | $6: 37 \mathrm{a}$ | $8: 18 \mathrm{a}$ | $12: 16 \mathrm{p}$ | $2: 17 \mathrm{p}$ | $4: 08 \mathrm{p}$ | $5: 44 \mathrm{p}$ |

Jan $3 \quad 6: 37 a \quad 8: 18 a \quad 12: 16 p \quad 2: 18 p \quad 4: 09 p \quad 5: 45 p$

| Jan 4 | $6: 36 \mathrm{a}$ | $8: 17 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 19 \mathrm{p}$ | $4: 10 \mathrm{p}$ | $5: 46 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 5 | $6: 36 \mathrm{a}$ | $8: 17 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 20 \mathrm{p}$ | $4: 11 \mathrm{p}$ | $5: 47 \mathrm{p}$ |

Jan 6 6:36a
Jan 7 6:36a

| $8: 17 a$ | $12: 18 \mathrm{p}$ |
| :--- | :--- |
| $8: 16 \mathrm{a}$ | $12: 18 \mathrm{p}$ |


| Jan 8 | $6: 35 \mathrm{a}$ | $8: 16 \mathrm{a}$ | $12: 19 \mathrm{p}$ | $2: 24 \mathrm{p}$ | $4: 15 \mathrm{p}$ | $5: 50 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 9 | $6: 35 \mathrm{a}$ | $8: 15 \mathrm{a}$ | $12: 19 \mathrm{p}$ | $2: 25 \mathrm{p}$ | $4: 17 \mathrm{p}$ | $5: 51 \mathrm{p}$ |


| Jan 10 | $6: 34 \mathrm{a}$ | $8: 15 \mathrm{a}$ | $12: 20 \mathrm{p}$ | $2: 27 \mathrm{p}$ | $4: 18 \mathrm{p}$ | $5: 53 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 11 | $6: 34 \mathrm{a}$ | $8: 14 \mathrm{a}$ | $12: 20 \mathrm{p}$ | $2: 28 \mathrm{p}$ | $4: 19 \mathrm{p}$ | $5: 54 \mathrm{p}$ |
| Jan 12 | $6: 33 \mathrm{a}$ | $8: 13 \mathrm{a}$ | $12: 20 \mathrm{p}$ | $2: 30 \mathrm{p}$ | $4: 21 \mathrm{p}$ | $5: 55 \mathrm{p}$ |
| Jan 13 | $6: 33 \mathrm{a}$ | $8: 13 \mathrm{a}$ | $12: 21 \mathrm{p}$ | $2: 31 \mathrm{p}$ | $4: 23 \mathrm{p}$ | $5: 56 \mathrm{p}$ |
| Jan 14 | $6: 32 \mathrm{a}$ | $8: 12 \mathrm{a}$ | $12: 21 \mathrm{p}$ | $2: 32 \mathrm{p}$ | $4: 24 \mathrm{p}$ | $5: 58 \mathrm{p}$ |
| Jan 15 | $6: 31 \mathrm{a}$ | $8: 11 \mathrm{a}$ | $12: 21 \mathrm{p}$ | $2: 34 \mathrm{p}$ | $4: 26 \mathrm{p}$ | $5: 59 \mathrm{p}$ |
| Jan 16 | $6: 30 \mathrm{a}$ | $8: 10 \mathrm{a}$ | $12: 22 \mathrm{p}$ | $2: 35 \mathrm{p}$ | $4: 27 \mathrm{p}$ | $6: 00 \mathrm{p}$ |
| Jan 17 | $6: 29 \mathrm{a}$ | $8: 09 \mathrm{a}$ | $12: 22 \mathrm{p}$ | $2: 37 \mathrm{p}$ | $4: 29 \mathrm{p}$ | $6: 02 \mathrm{p}$ |


| Jan 18 | $6: 29 \mathrm{a}$ | $8: 08 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 39 \mathrm{p}$ | $4: 31 \mathrm{p}$ | $6: 03 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 19 | $6: 28 \mathrm{a}$ | $8: 07 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 40 \mathrm{p}$ | $4: 32 \mathrm{p}$ | $6: 05 \mathrm{p}$ |

Jan $20 \quad$ 6:27a $\quad 8: 06 a \quad 12: 23 p \quad 2: 42 p \quad 4: 34 p \quad 6: 06 p$

| Jan 21 | $6: 26 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 43 \mathrm{p}$ | $4: 36 \mathrm{p}$ | $6: 08 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 22 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 45 \mathrm{p}$ | $4: 38 \mathrm{p}$ | $6: 09 \mathrm{p}$ |
| Jan 23 | $6: 23 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 47 \mathrm{p}$ | $4: 39 \mathrm{p}$ | $6: 11 \mathrm{p}$ |
| Jan 24 | $6: 22 \mathrm{a}$ | $8: 01 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 48 \mathrm{p}$ | $4: 41 \mathrm{p}$ | $6: 12 \mathrm{p}$ |
| Jan 25 | $6: 21 \mathrm{a}$ | $8: 00 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 50 \mathrm{p}$ | $4: 43 \mathrm{p}$ | $6: 14 \mathrm{p}$ |
| Jan 26 | $6: 20 \mathrm{a}$ | $7: 59 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 52 \mathrm{p}$ | $4: 45 \mathrm{p}$ | $6: 15 \mathrm{p}$ |
| Jan 27 | $6: 18 \mathrm{a}$ | $7: 57 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 53 \mathrm{p}$ | $4: 47 \mathrm{p}$ | $6: 17 \mathrm{p}$ |
| Jan 28 | $6: 17 \mathrm{a}$ | $7: 56 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 55 \mathrm{p}$ | $4: 48 \mathrm{p}$ | $6: 19 \mathrm{p}$ |
| Jan 29 | 6:16a | $7: 54 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 57 \mathrm{p}$ | $4: 50 \mathrm{p}$ | $6: 20 \mathrm{p}$ |


| Jan 30 | 6:14a | 7:53a | 12:25p | 2:59p | 4:52p | 6:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:13a | 7:51a | 12:26p | 3:00p | 4:54p | 6:23p |
| Feb 1 | 6:11a | 7:50a | 12:26p | 3:02p | 4:56p | 6:25p |
| Feb 2 | 6:10a | 7:48a | 12:26p | 3:04p | 4:58p | 6:27p |
| Feb 3 | 6:08a | 7:46a | 12:26p | 3:06p | 5:00p | 6:28p |
| Feb 4 | 6:07a | 7:45a | 12:26p | 3:08p | 5:01p | 6:30p |
| Feb 5 | 6:05a | 7:43a | 12:26p | 3:09p | 5:03p | 6:32p |
| Feb 6 | 6:03a | 7:41a | 12:26p | 3:11p | 5:05p | 6:33p |
| Feb 7 | 6:02a | 7:39a | 12:26p | 3:13p | 5:07p | 6:35p |
| Feb 8 | 6:00a | 7:38a | 12:26p | 3:15p | 5:09p | 6:37p |
| Feb 9 | 5:58a | 7:36a | 12:27p | 3:16p | 5:11p | 6:38p |
| Feb 10 | 5:57a | 7:34a | 12:27p | 3:18p | 5:13p | 6:40p |
| Feb 11 | 5:55a | 7:32a | 12:27p | 3:20p | 5:15p | 6:42p |
| Feb 12 | 5:53a | 7:30a | 12:27p | 3:22p | 5:17p | 6:43p |
| Feb 13 | 5:51a | 7:28a | 12:27p | 3:24p | 5:19p | 6:45p |
| Feb 14 | 5:49a | 7:26a | 12:27p | 3:25p | 5:20p | 6:47p |
| Feb 15 | 5:47a | 7:24a | 12:26p | 3:27p | 5:22p | 6:48p |
| Feb 16 | 5:45a | 7:22a | 12:26p | 3:29p | 5:24p | 6:50p |
| Feb 17 | 5:44a | 7:20a | 12:26p | 3:30p | 5:26p | 6:52p |
| Feb 18 | 5:42a | 7:18a | 12:26p | 3:32p | 5:28p | 6:53p |
| Feb 19 | 5:40a | 7:16a | 12:26p | 3:34p | 5:30p | 6:55p |
| Feb 20 | 5:38a | 7:14a | 12:26p | 3:36p | 5:32p | 6:56p |
| Feb 21 | 5:36a | 7:12a | 12:26p | 3:37p | 5:34p | 6:58p |
| Feb 22 | 5:34a | 7:10a | 12:26p | 3:39p | 5:36p | 7:00p |
| Feb 23 | 5:32a | 7:08a | 12:26p | 3:41p | 5:37p | 7:01p |
| Feb 24 | 5:30a | 7:06a | 12:26p | 3:42p | 5:39p | 7:03p |
| Feb 25 | 5:28a | 7:04a | 12:26p | 3:44p | 5:41p | 7:05p |
| Feb 26 | 5:25a | 7:01a | 12:25p | 3:46p | 5:43p | 7:06p |
| Feb 27 | 5:23a | 6:59a | 12:25p | 3:47p | 5:45p | 7:08p |
| Feb 28 | 5:21a | 6:57a | 12:25p | 3:49p | 5:47p | 7:09p |
| Mar 1 | 5:19a | 6:55a | 12:25p | 3:51p | 5:49p | 7:11p |
| Mar 2 | 5:17a | 6:53a | 12:25p | 3:52p | 5:50p | 7:13p |
| Mar 3 | 5:15a | 6:50a | 12:24p | 3:54p | 5:52p | $7: 14 \mathrm{p}$ |
| Mar 4 | 5:13a | 6:48a | 12:24p | 3:56p | 5:54p | 7:16p |


| Mar 5 | 5:11a | 6:46a | 12:24p | 3:57p | 5:56p | 7:17p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:08a | 6:44a | 12:24p | 3:59p | 5:58p | 7:19p |
| Mar 7 | 5:06a | 6:41a | 12:24p | 4:00p | 6:00p | 7:21p |
| Mar 8 | 5:04a | 6:39a | 12:23p | 4:02p | 6:01p | 7:22p |
| Mar 9 | 5:02a | 6:37a | 12:23p | 4:03p | 6:03p | 7:24p |
| Mar 10 | 5:00a | 6:34a | 12:23p | 4:05p | 6:05p | 7:25p |
| Mar 11 | 4:57a | 6:32a | 12:23p | 4:06p | 6:07p | 7:27p |
| Mar 12 | 4:55a | 6:30a | 12:22p | 4:08p | 6:09p | 7:28p |
| Mar 13 | 4:53a | 6:27a | 12:22p | 4:09p | 6:10p | 7:30p |
| Mar 14 | 4:51a | 6:25a | 12:22p | $4: 11 \mathrm{p}$ | 6:12p | 7:31p |
| Mar 15 | 4:49a | 6:23a | 12:21p | 4:12p | 6:14p | 7:33p |
| Mar 16 | 4:46a | 6:20a | 12:21p | 4:14p | 6:16p | 7:35p |
| Mar 17 | 4:44a | 6:18a | 12:21p | 4:15p | 6:17p | 7:36p |
| Mar 18 | 4:42a | 6:16a | 12:21p | 4:17p | 6:19p | 7:38p |
| Mar 19 | 4:39a | 6:13a | 12:20p | 4:18p | 6:21p | 7:39p |
| Mar 20 | 4:37a | 6:11a | 12:20p | 4:20p | 6:23p | 7:41p |
| Mar 21 | 4:35a | 6:09a | 12:20p | 4:21p | 6:25p | 7:42p |
| Mar 22 | 4:33a | 6:06a | 12:19p | 4:22p | 6:26p | 7:44p |
| Mar 23 | 4:30a | 6:04a | 12:19p | 4:24p | 6:28p | 7:45p |
| Mar 24 | 4:27a | 6:02a | 12:19p | 4:25p | 6:30p | 7:47p |
| Mar 25 | 5:25a | 6:59a | 1:19p | 5:27p | 7:32p | 8:48p |
| Mar 26 | 5:22a | 6:57a | 1:18p | 5:28p | 7:33p | 8:50p |
| Mar 27 | 5:20a | 6:55a | 1:18p | 5:29p | 7:35p | 8:51p |
| Mar 28 | 5:17a | 6:52a | 1:18p | 5:31p | 7:37p | 8:53p |
| Mar 29 | 5:14a | 6:50a | 1:17p | 5:32p | 7:39p | 8:54p |
| Mar 30 | 5:12a | 6:48a | 1:17p | 5:33p | 7:40p | 8:56p |
| Mar 31 | 5:09a | 6:45a | 1:17p | 5:35p | 7:42p | 8:57p |
| Apr 1 | 5:06a | 6:43a | 1:16p | 5:36p | $7: 44 \mathrm{p}$ | 8:59p |
| Apr 2 | 5:04a | 6:40a | 1:16p | 5:37p | $7: 46 \mathrm{p}$ | 9:00p |
| Apr 3 | 5:01a | 6:38a | 1:16p | 5:38p | 7:47p | 9:02p |
| Apr 4 | 4:58a | 6:36a | 1:16p | 5:40p | $7: 49 \mathrm{p}$ | 9:03p |
| Apr 5 | 4:56a | 6:33a | 1:15p | 5:41p | 7:51p | 9:05p |
| Apr 6 | 4:53a | 6:31a | 1:15p | 5:42p | 7:53p | 9:06p |
| Apr 7 | 4:51a | 6:29a | 1:15p | $5: 44 \mathrm{p}$ | 7:54p | 9:08p |


| Apr 8 | 4:48a | 6:27a | 1:14p | 5:45p | 7:56p | 9:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:45a | 6:24a | 1:14p | 5:46p | 7:58p | 9:11p |
| Apr 10 | 4:43a | 6:22a | 1:14p | 5:47p | 8:00p | 9:12p |
| Apr 11 | 4:40a | 6:20a | 1:14p | 5:48p | 8:01p | 9:14p |
| Apr 12 | 4:38a | 6:17a | 1:13p | 5:50p | 8:03p | 9:15p |
| Apr 13 | 4:35a | 6:15a | 1:13p | 5:51p | 8:05p | 9:17p |
| Apr 14 | 4:32a | 6:13a | 1:13p | 5:52p | 8:07p | 9:18p |
| Apr 15 | 4:30a | 6:11a | 1:13p | 5:53p | 8:08p | 9:20p |
| Apr 16 | 4:27a | 6:08a | 1:12p | 5:54p | 8:10p | 9:21p |
| Apr 17 | 4:25a | 6:06a | 1:12p | 5:56p | 8:12p | 9:23p |
| Apr 18 | 4:22a | 6:04a | 1:12p | 5:57p | 8:14p | 9:24p |
| Apr 19 | 4:20a | 6:02a | 1:12p | 5:58p | 8:15p | 9:26p |
| Apr 20 | 4:18a | 6:00a | 1:11p | 5:59p | 8:17p | 9:27p |
| Apr 21 | 4:15a | 5:58a | 1:11p | 6:00p | 8:19p | 9:29p |
| Apr 22 | 4:13a | 5:55a | 1:11p | 6:01p | 8:21p | 9:30p |
| Apr 23 | 4:10a | 5:53a | 1:11p | 6:02p | 8:22p | 9:32p |
| Apr 24 | 4:08a | 5:51a | 1:11p | 6:04p | 8:24p | 9:33p |
| Apr 25 | 4:05a | 5:49a | 1:10p | 6:05p | 8:26p | 9:35p |
| Apr 26 | 4:03a | 5:47a | 1:10p | 6:06p | 8:28p | 9:36p |
| Apr 27 | 4:01a | 5:45a | 1:10p | 6:07p | 8:29p | 9:38p |
| Apr 28 | 3:58a | 5:43a | 1:10p | 6:08p | 8:31p | 9:39p |
| Apr 29 | 3:56a | 5:41a | 1:10p | 6:09p | 8:33p | 9:41p |
| Apr 30 | 3:54a | 5:39a | 1:10p | 6:10p | 8:34p | 9:42p |
| May 1 | 3:51a | 5:37a | 1:10p | 6:11p | 8:36p | $9: 44 p$ |
| May 2 | 3:49a | 5:35a | 1:09p | 6:12p | 8:38p | 9:45p |
| May 3 | 3:47a | 5:33a | 1:09p | 6:13p | 8:40p | 9:47p |
| May 4 | 3:45a | 5:31a | 1:09p | 6:14p | 8:41p | 9:48p |
| May 5 | 3:43a | 5:29a | 1:09p | 6:15p | 8:43p | 9:50p |
| May 6 | 3:40a | 5:27a | 1:09p | 6:16p | 8:45p | 9:51p |
| May 7 | 3:38a | 5:26a | 1:09p | 6:17p | 8:46p | 9:53p |
| May 8 | 3:36a | 5:24a | 1:09p | 6:18p | 8:48p | 9:55p |
| May 9 | 3:34a | 5:22a | 1:09p | 6:19p | 8:50p | 9:57p |
| May 10 | 3:32a | 5:20a | 1:09p | 6:20p | 8:51p | 9:59p |
| May 11 | 3:30a | 5:19a | 1:09p | 6:21p | 8:53p | 10:00p |


| May 12 | 3:28a | 5:17a | 1:09p | 6:22p | 8:55p | 10:02p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:26a | 5:15a | 1:09p | 6:23p | 8:56p | 10:04p |
| May 14 | 3:24a | 5:14a | 1:09p | 6:24p | 8:58p | 10:06p |
| May 15 | 3:22a | 5:12a | 1:09p | 6:25p | 8:59p | 10:08p |
| May 16 | 3:21a | 5:10a | 1:09p | 6:26p | 9:01p | 10:10p |
| May 17 | 3:19a | 5:09a | 1:09p | 6:27p | 9:02p | 10:12p |
| May 18 | 3:17a | 5:07a | 1:09p | 6:28p | 9:04p | 10:14p |
| May 19 | 3:15a | 5:06a | 1:09p | 6:29p | 9:05p | 10:16p |
| May 20 | 3:14a | 5:05a | 1:09p | 6:30p | 9:07p | 10:17p |
| May 21 | 3:12a | 5:03a | 1:09p | 6:31p | 9:08p | 10:19p |
| May 22 | 3:10a | 5:02a | 1:09p | 6:31p | 9:10p | 10:21p |
| May 23 | 3:09a | 5:01a | 1:09p | 6:32p | 9:11p | 10:23p |
| May 24 | 3:07a | 4:59a | 1:09p | 6:33p | 9:13p | 10:24p |
| May 25 | 3:06a | 4:58a | 1:09p | 6:34p | $9: 14 \mathrm{p}$ | 10:26p |
| May 26 | 3:04a | 4:57a | 1:09p | 6:35p | 9:15p | 10:28p |
| May 27 | 3:03a | 4:56a | 1:09p | 6:36p | 9:17p | 10:29p |
| May 28 | 3:01a | 4:55a | 1:09p | 6:36p | 9:18p | 10:31p |
| May 29 | 3:00a | 4:54a | 1:10p | 6:37p | $9: 19 p$ | 10:33p |
| May 30 | 2:59a | 4:53a | 1:10p | 6:38p | 9:21p | 10:34p |
| May 31 | 2:58a | 4:52a | 1:10p | 6:39p | 9:22p | 10:36p |
| Jun 1 | 2:56a | 4:51a | 1:10p | 6:39p | 9:23p | 10:37p |
| Jun 2 | 2:55a | 4:50a | 1:10p | 6:40p | 9:24p | 10:38p |
| Jun 3 | 2:54a | 4:49a | 1:10p | 6:41p | 9:25p | 10:40p |
| Jun 4 | 2:53a | 4:49a | 1:10p | 6:41p | 9:26p | 10:41p |
| Jun 5 | 2:52a | 4:48a | 1:11p | 6:42p | 9:27p | 10:43p |
| Jun 6 | 2:51a | 4:47a | 1:11p | 6:42p | 9:28p | 10:44p |
| Jun 7 | 2:50a | 4:47a | 1:11p | 6:43p | 9:29p | 10:45p |
| Jun 8 | 2:49a | 4:46a | 1:11p | $6: 44 \mathrm{p}$ | 9:30p | 10:46p |
| Jun 9 | 2:49a | 4:46a | 1:11p | 6:44p | 9:31p | 10:47p |
| Jun 10 | 2:48a | 4:45a | 1:12p | 6:45p | 9:32p | 10:49p |
| Jun 11 | 2:47a | 4:45a | 1:12p | 6:45p | 9:32p | 10:50p |
| Jun 12 | 2:47a | 4:45a | 1:12p | 6:46p | 9:33p | 10:51p |
| Jun 13 | 2:46a | 4:44a | 1:12p | 6:46p | 9:34p | 10:52p |
| Jun 14 | 2:46a | 4:44a | 1:12p | 6:47p | 9:34p | 10:53p |


| Jun 15 | 2:45a | 4:44a | 1:13p | 6:47p | 9:35p | 10:53p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:45a | 4:44a | 1:13p | 6:47p | 9:35p | 10:54p |
| Jun 17 | 2:44a | 4:44a | 1:13p | 6:48p | 9:36p | 10:55p |
| Jun 18 | 2:44a | 4:44a | 1:13p | 6:48p | 9:36p | 10:56p |
| Jun 19 | 2:44a | 4:44a | 1:13p | 6:48p | 9:36p | 10:56p |
| Jun 20 | 2:44a | 4:44a | 1:14p | 6:49p | 9:37p | 10:57p |
| Jun 21 | 2:44a | 4:44a | 1:14p | 6:49p | 9:37p | 10:58p |
| Jun 22 | 2:43a | 4:44a | 1:14p | 6:49p | 9:37p | 10:58p |
| Jun 23 | 2:44a | 4:45a | 1:14p | 6:49p | 9:37p | 10:58p |
| Jun 24 | 2:45a | 4:45a | 1:15p | 6:49p | 9:37p | 10:58p |
| Jun 25 | 2:45a | 4:45a | 1:15p | 6:50p | 9:37p | 10:57p |
| Jun 26 | 2:46a | 4:46a | 1:15p | 6:50p | 9:37p | 10:57p |
| Jun 27 | 2:47a | 4:46a | 1:15p | 6:50p | 9:37p | 10:57p |
| Jun 28 | 2:48a | 4:47a | 1:15p | 6:50p | 9:37p | 10:56p |
| Jun 29 | 2:48a | 4:47a | 1:16p | 6:50p | 9:37p | 10:56p |
| Jun 30 | 2:49a | 4:48a | 1:16p | 6:50p | 9:37p | 10:55p |
| Jul 1 | 2:50a | 4:49a | 1:16p | 6:50p | 9:36p | 10:54p |
| Jul 2 | 2:51a | 4:49a | 1:16p | 6:50p | 9:36p | 10:54p |
| Jul 3 | 2:52a | 4:50a | 1:16p | 6:50p | 9:36p | 10:53p |
| Jul 4 | 2:53a | 4:51a | 1:17p | 6:50p | 9:35p | 10:52p |
| Jul 5 | 2:55a | 4:52a | 1:17p | 6:49p | 9:35p | 10:51p |
| Jul 6 | 2:56a | 4:53a | 1:17p | 6:49p | 9:34p | 10:50p |
| Jul 7 | 2:57a | 4:53a | 1:17p | 6:49p | 9:33p | 10:49p |
| Jul 8 | 2:58a | 4:54a | 1:17p | 6:49p | 9:33p | 10:48p |
| Jul 9 | 3:00a | 4:55a | 1:17p | 6:48p | 9:32p | 10:47p |
| Jul 10 | 3:01a | 4:56a | 1:18p | 6:48p | 9:31p | 10:46p |
| Jul 11 | 3:02a | 4:58a | 1:18p | 6:48p | 9:30p | 10:45p |
| Jul 12 | 3:04a | 4:59a | 1:18p | 6:47p | 9:30p | 10:44p |
| Jul 13 | 3:05a | 5:00a | 1:18p | 6:47p | 9:29p | 10:43p |
| Jul 14 | 3:07a | 5:01a | 1:18p | 6:47p | 9:28p | 10:41p |
| Jul 15 | 3:08a | 5:02a | 1:18p | 6:46p | 9:27p | 10:40p |
| Jul 16 | 3:10a | 5:03a | 1:18p | 6:46p | 9:26p | 10:39p |
| Jul 17 | 3:11a | 5:05a | 1:18p | 6:45p | 9:24p | 10:37p |
| Jul 18 | 3:13a | 5:06a | 1:18p | 6:44p | 9:23p | 10:36p |


| Jul 19 | 3:14a | 5:07a | 1:19p | 6:44p | 9:22p | 10:34p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:16a | 5:09a | 1:19p | 6:43p | 9:21p | 10:33p |
| Jul 21 | 3:18a | 5:10a | 1:19p | 6:43p | 9:20p | 10:31p |
| Jul 22 | 3:19a | 5:11a | 1:19p | 6:42p | 9:18p | 10:30p |
| Jul 23 | 3:21a | 5:13a | 1:19p | 6:41p | 9:17p | 10:28p |
| Jul 24 | 3:23a | 5:14a | 1:19p | 6:40p | 9:15p | 10:26p |
| Jul 25 | 3:25a | 5:16a | 1:19p | 6:40p | 9:14p | 10:24p |
| Jul 26 | 3:26a | 5:17a | 1:19p | 6:39p | 9:13p | 10:23p |
| Jul 27 | 3:28a | 5:19a | 1:19p | 6:38p | 9:11p | 10:21p |
| Jul 28 | 3:30a | 5:20a | 1:19p | 6:37p | 9:09p | 10:19p |
| Jul 29 | 3:32a | 5:22a | 1:19p | 6:36p | 9:08p | 10:17p |
| Jul 30 | 3:34a | 5:23a | 1:19p | 6:35p | 9:06p | 10:15p |
| Jul 31 | 3:35a | 5:25a | 1:19p | 6:34p | 9:05p | 10:13p |
| Aug 1 | 3:37a | 5:26a | 1:19p | 6:33p | 9:03p | 10:11p |
| Aug 2 | 3:39a | 5:28a | 1:19p | 6:32p | 9:01p | 10:09p |
| Aug 3 | 3:41a | 5:29a | 1:19p | 6:31p | 9:00p | 10:07p |
| Aug 4 | 3:43a | 5:31a | 1:18p | 6:30p | 8:58p | 10:05p |
| Aug 5 | 3:45a | 5:33a | 1:18p | 6:29p | 8:56p | 10:03p |
| Aug 6 | 3:47a | 5:34a | 1:18p | 6:28p | 8:54p | 10:01p |
| Aug 7 | 3:49a | 5:36a | 1:18p | 6:27p | 8:52p | $9: 58 \mathrm{p}$ |
| Aug 8 | 3:51a | 5:38a | 1:18p | 6:25p | 8:50p | 9:57p |
| Aug 9 | 3:53a | 5:39a | 1:18p | 6:24p | 8:48p | 9:55p |
| Aug 10 | 3:54a | 5:41a | 1:18p | 6:23p | 8:47p | 9:53p |
| Aug 11 | 3:56a | 5:42a | 1:18p | 6:22p | 8:45p | 9:52p |
| Aug 12 | 3:58a | 5:44a | 1:18p | 6:20p | 8:43p | 9:50p |
| Aug 13 | 4:00a | 5:46a | 1:17p | 6:19p | 8:41p | 9:48p |
| Aug 14 | 4:02a | 5:47a | 1:17p | 6:18p | 8:39p | 9:47p |
| Aug 15 | 4:04a | 5:49a | 1:17p | 6:16p | 8:37p | 9:45p |
| Aug 16 | 4:06a | 5:51a | 1:17p | 6:15p | 8:34p | 9:43p |
| Aug 17 | 4:08a | 5:52a | 1:17p | 6:13p | 8:32p | 9:41p |
| Aug 18 | 4:10a | 5:54a | 1:16p | 6:12p | 8:30p | 9:39p |
| Aug 19 | 4:12a | 5:56a | 1:16p | 6:10p | 8:28p | 9:37p |
| Aug 20 | 4:14a | 5:57a | 1:16p | 6:09p | 8:26p | 9:35p |
| Aug 21 | 4:16a | 5:59a | 1:16p | 6:07p | 8:24p | 9:33p |


| Aug 22 | 4:18a | 6:01a | 1:15p | 6:06p | 8:22p | 9:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:20a | 6:02a | 1:15p | 6:04p | 8:20p | 9:30p |
| Aug 24 | 4:22a | 6:04a | 1:15p | 6:03p | 8:17p | 9:28p |
| Aug 25 | 4:24a | 6:06a | 1:15p | 6:01p | 8:15p | 9:26p |
| Aug 26 | 4:26a | 6:07a | 1:14p | 5:59p | 8:13p | 9:24p |
| Aug 27 | 4:28a | 6:09a | 1:14p | 5:58p | 8:11p | 9:22p |
| Aug 28 | 4:30a | 6:11a | 1:14p | 5:56p | 8:08p | 9:20p |
| Aug 29 | 4:32a | 6:12a | 1:14p | 5:54p | 8:06p | 9:18p |
| Aug 30 | 4:34a | 6:14a | 1:13p | 5:53p | 8:04p | 9:16p |
| Aug 31 | 4:36a | 6:16a | 1:13p | 5:51p | 8:02p | 9:14p |
| Sep 1 | 4:38a | 6:17a | 1:13p | 5:49p | 7:59p | 9:12p |
| Sep 2 | 4:40a | 6:19a | 1:12p | 5:47p | 7:57p | 9:10p |
| Sep 3 | 4:41a | 6:21a | 1:12p | 5:46p | 7:55p | 9:08p |
| Sep 4 | 4:43a | 6:22a | 1:12p | 5:44p | 7:52p | 9:05p |
| Sep 5 | 4:45a | 6:24a | 1:11p | 5:42p | 7:50p | 9:03p |
| Sep 6 | 4:47a | 6:26a | 1:11p | 5:40p | 7:48p | 9:01p |
| Sep 7 | 4:49a | 6:27a | 1:11p | 5:38p | 7:45p | 8:59p |
| Sep 8 | 4:51a | 6:29a | 1:10p | 5:36p | 7:43p | 8:57p |
| Sep 9 | 4:53a | 6:31a | 1:10p | 5:35p | 7:41p | 8:55p |
| Sep 10 | 4:55a | 6:32a | 1:10p | 5:33p | 7:38p | 8:53p |
| Sep 11 | 4:57a | 6:34a | 1:09p | 5:31p | 7:36p | 8:51p |
| Sep 12 | 4:59a | 6:36a | 1:09p | 5:29p | $7: 34 \mathrm{p}$ | 8:49p |
| Sep 13 | 5:01a | 6:37a | 1:09p | 5:27p | 7:31p | 8:46p |
| Sep 14 | 5:03a | 6:39a | 1:08p | 5:25p | 7:29p | 8:44p |
| Sep 15 | 5:05a | 6:41a | 1:08p | 5:23p | 7:27p | 8:42p |
| Sep 16 | 5:07a | 6:42a | 1:07p | 5:21p | $7: 24 \mathrm{p}$ | 8:40p |
| Sep 17 | 5:09a | 6:44a | 1:07p | 5:19p | 7:22p | 8:38p |
| Sep 18 | 5:11a | 6:46a | 1:07p | 5:17p | $7: 19 p$ | 8:36p |
| Sep 19 | 5:13a | 6:47a | 1:06p | 5:15p | 7:17p | 8:34p |
| Sep 20 | 5:15a | 6:49a | 1:06p | 5:13p | 7:15p | 8:31p |
| Sep 21 | 5:17a | 6:51a | 1:06p | 5:11p | 7:12p | 8:29p |
| Sep 22 | 5:19a | 6:52a | 1:05p | 5:09p | 7:10p | 8:27p |
| Sep 23 | 5:20a | 6:54a | 1:05p | 5:07p | 7:07p | 8:25p |
| Sep 24 | 5:22a | 6:56a | 1:05p | 5:05p | 7:05p | 8:23p |


| Sep 25 | 5:24a | 6:57a | 1:04p | 5:03p | 7:03p | 8:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:25a | 6:59a | 1:04p | 5:01p | 7:00p | 8:19p |
| Sep 27 | 5:27a | 7:01a | 1:04p | 4:59p | 6:58p | 8:17p |
| Sep 28 | 5:28a | 7:03a | 1:03p | 4:57p | 6:56p | 8:15p |
| Sep 29 | 5:30a | 7:04a | 1:03p | 4:55p | 6:53p | 8:12p |
| Sep 30 | 5:32a | 7:06a | 1:03p | 4:53p | 6:51p | 8:10p |
| Oct 1 | 5:33a | 7:08a | 1:02p | 4:51p | 6:49p | 8:08p |
| Oct 2 | 5:35a | 7:09a | 1:02p | 4:49p | 6:46p | 8:06p |
| Oct 3 | 5:36a | 7:11a | 1:02p | 4:47p | 6:44p | 8:04p |
| Oct 4 | 5:38a | 7:13a | 1:01p | $4: 45 \mathrm{p}$ | 6:42p | 8:02p |
| Oct 5 | 5:40a | 7:14a | 1:01p | 4:42p | 6:39p | 8:00p |
| Oct 6 | 5:41a | 7:16a | 1:01p | 4:40p | 6:37p | 7:58p |
| Oct 7 | 5:43a | 7:18a | 1:00p | 4:38p | 6:35p | 7:56p |
| Oct 8 | 5:45a | 7:20a | 1:00p | 4:36p | 6:32p | 7:54p |
| Oct 9 | 5:46a | 7:21a | 1:00p | 4:34p | 6:30p | 7:52p |
| Oct 10 | 5:48a | 7:23a | 1:00p | 4:32p | 6:28p | 7:49p |
| Oct 11 | 5:50a | 7:25a | 12:59p | 4:30p | 6:25p | 7:47p |
| Oct 12 | 5:51a | 7:27a | 12:59p | 4:28p | 6:23p | 7:45p |
| Oct 13 | 5:53a | 7:28a | 12:59p | 4:26p | 6:21p | 7:43p |
| Oct 14 | 5:55a | 7:30a | 12:59p | 4:24p | 6:19p | 7:41p |
| Oct 15 | 5:56a | 7:32a | 12:58p | 4:22p | 6:16p | 7:39p |
| Oct 16 | 5:58a | 7:34a | 12:58p | 4:20p | 6:14p | 7:37p |
| Oct 17 | 6:00a | 7:36a | 12:58p | 4:18p | 6:12p | 7:36p |
| Oct 18 | 6:01a | 7:37a | 12:58p | 4:16p | 6:10p | 7:34p |
| Oct 19 | 6:03a | 7:39a | 12:57p | 4:14p | 6:08p | 7:32p |
| Oct 20 | 6:05a | 7:41a | 12:57p | $4: 12 \mathrm{p}$ | 6:06p | 7:30p |
| Oct 21 | 6:06a | 7:43a | 12:57p | 4:10p | 6:03p | 7:28p |
| Oct 22 | 6:08a | 7:45a | 12:57p | 4:08p | 6:01p | 7:26p |
| Oct 23 | 6:10a | 7:46a | 12:57p | 4:06p | 5:59p | 7:24p |
| Oct 24 | 6:12a | 7:48a | 12:57p | 4:04p | 5:57p | 7:22p |
| Oct 25 | 6:13a | 7:50a | 12:57p | 4:02p | 5:55p | 7:21p |
| Oct 26 | 6:15a | 7:52a | 12:56p | 4:00p | 5:53p | 7:19p |
| Oct 27 | 6:17a | 7:54a | 12:56p | 3:58p | 5:51p | 7:17p |
| Oct 28 | 5:18a | 6:55a | 11:56a | 2:57p | 4:49p | 6:15p |


| Oct 29 | 5:20a | 6:57a | 11:56a | 2:55p | 4:47p | 6:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:22a | 6:59a | 11:56a | 2:53p | $4: 45 \mathrm{p}$ | 6:12p |
| Oct 31 | 5:24a | 7:01a | 11:56a | 2:51p | 4:43p | 6:10p |
| Nov 1 | 5:25a | 7:03a | 11:56a | 2:49p | 4:41p | 6:08p |
| Nov 2 | 5:27a | 7:05a | 11:56a | 2:47p | 4:40p | 6:07p |
| Nov 3 | 5:29a | 7:06a | 11:56a | 2:46p | 4:38p | 6:05p |
| Nov 4 | 5:31a | 7:08a | 11:56a | $2: 44 \mathrm{p}$ | 4:36p | 6:04p |
| Nov 5 | 5:32a | 7:10a | 11:56a | 2:42p | $4: 34 \mathrm{p}$ | 6:02p |
| Nov 6 | 5:34a | 7:12a | 11:56a | 2:41p | 4:32p | 6:01p |
| Nov 7 | 5:36a | 7:14a | 11:56a | 2:39p | 4:31p | 5:59p |
| Nov 8 | 5:37a | 7:16a | 11:56a | 2:37p | 4:29p | 5:58p |
| Nov 9 | 5:39a | 7:17a | 11:56a | 2:36p | 4:27p | 5:56p |
| Nov 10 | 5:41a | 7:19a | 11:56a | 2:34p | 4:26p | 5:55p |
| Nov 11 | 5:43a | 7:21a | 11:56a | 2:33p | 4:24p | 5:53p |
| Nov 12 | 5:44a | 7:23a | 11:56a | 2:31p | 4:22p | 5:52p |
| Nov 13 | 5:46a | 7:25a | 11:57a | 2:30p | 4:21p | 5:51p |
| Nov 14 | 5:48a | 7:26a | 11:57a | 2:28p | 4:19p | 5:49p |
| Nov 15 | 5:50a | 7:28a | 11:57a | 2:27p | 4:18p | 5:48p |
| Nov 16 | 5:51a | 7:30a | 11:57a | 2:26p | 4:16p | 5:47p |
| Nov 17 | 5:53a | 7:32a | 11:57a | 2:24p | 4:15p | 5:46p |
| Nov 18 | 5:55a | 7:34a | 11:57a | 2:23p | $4: 14 \mathrm{p}$ | 5:45p |
| Nov 19 | 5:56a | 7:35a | 11:58a | 2:22p | 4:12p | 5:44p |
| Nov 20 | 5:58a | 7:37a | 11:58a | 2:21p | 4:11p | 5:43p |
| Nov 21 | 5:59a | 7:39a | 11:58a | 2:19p | 4:10p | 5:42p |
| Nov 22 | 6:01a | 7:40a | 11:58a | 2:18p | 4:09p | 5:41p |
| Nov 23 | 6:03a | 7:42a | 11:59a | 2:17p | 4:08p | 5:40p |
| Nov 24 | 6:04a | 7:44a | 11:59a | 2:16p | 4:07p | 5:39p |
| Nov 25 | 6:06a | 7:45a | 11:59a | $2: 15 p$ | 4:06p | 5:38p |
| Nov 26 | 6:07a | 7:47a | 11:59a | $2: 14 \mathrm{p}$ | 4:05p | 5:38p |
| Nov 27 | 6:09a | 7:49a | 12:00n | 2:13p | 4:04p | 5:37p |
| Nov 28 | 6:10a | 7:50a | 12:00n | 2:13p | 4:03p | 5:36p |
| Nov 29 | 6:12a | 7:52a | 12:00n | 2:12p | 4:02p | 5:36p |
| Nov 30 | 6:13a | 7:53a | 12:01p | 2:11p | 4:01p | 5:35p |
| Dec 1 | 6:14a | 7:55a | 12:01p | 2:10p | 4:00p | 5:35p |


| Dec 2 | 6:16a | 7:56a | 12:01p | 2:10p | 4:00p | 5:34p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:17a | 7:58a | 12:02p | 2:09p | 3:59p | 5:34p |
| Dec 4 | 6:18a | 7:59a | 12:02p | 2:09p | 3:59p | 5:34p |
| Dec 5 | 6:20a | 8:00a | 12:03p | 2:08p | 3:58p | 5:33p |
| Dec 6 | 6:21a | 8:02a | 12:03p | 2:08p | 3:58p | 5:33p |
| Dec 7 | 6:22a | 8:03a | 12:03p | 2:07p | 3:57p | 5:33p |
| Dec 8 | 6:23a | 8:04a | 12:04p | 2:07p | 3:57p | 5:33p |
| Dec 9 | 6:24a | 8:05a | 12:04p | 2:07p | 3:57p | 5:33p |
| Dec 10 | 6:25a | 8:06a | 12:05p | 2:07p | 3:56p | 5:33p |
| Dec 11 | 6:26a | 8:07a | 12:05p | 2:06p | 3:56p | 5:33p |
| Dec 12 | 6:27a | 8:08a | 12:06p | 2:06p | 3:56p | 5:33p |
| Dec 13 | 6:28a | 8:09a | 12:06p | 2:06p | 3:56p | 5:33p |
| Dec 14 | 6:29a | 8:10a | 12:07p | 2:06p | 3:56p | 5:34p |
| Dec 15 | 6:30a | 8:11a | 12:07p | 2:06p | 3:56p | 5:34p |
| Dec 16 | 6:30a | 8:12a | 12:08p | 2:07p | 3:56p | 5:34p |
| Dec 17 | 6:31a | 8:13a | 12:08p | 2:07p | 3:57p | 5:35p |
| Dec 18 | 6:32a | 8:14a | 12:09p | 2:07p | 3:57p | 5:35p |
| Dec 19 | 6:32a | 8:14a | 12:09p | 2:07p | 3:57p | 5:35p |
| Dec 20 | 6:33a | 8:15a | 12:10p | 2:08p | 3:58p | 5:35p |
| Dec 21 | 6:34a | 8:16a | 12:10p | 2:08p | 3:58p | 5:36p |
| Dec 22 | 6:34a | 8:16a | 12:11p | 2:08p | 3:58p | 5:36p |
| Dec 23 | 6:35a | 8:16a | 12:11p | 2:09p | 3:59p | 5:37p |
| Dec 24 | 6:35a | 8:17a | 12:12p | 2:10p | 4:00p | 5:38p |
| Dec 25 | 6:35a | 8:17a | 12:12p | 2:10p | 4:00p | 5:38p |
| Dec 26 | 6:36a | 8:18a | 12:12p | 2:11p | 4:01p | 5:39p |
| Dec 27 | 6:36a | 8:18a | 12:13p | 2:12p | 4:02p | 5:40p |
| Dec 28 | 6:36a | 8:18a | 12:13p | 2:12p | 4:03p | 5:41p |
| Dec 29 | 6:36a | 8:18a | 12:14p | 2:13p | 4:03p | 5:41p |
| Dec 30 | 6:36a | 8:18a | 12:14p | 2:14p | 4:04p | 5:42p |
| Dec 31 | 6:36a | 8:18a | 12:15p | 2:15p | 4:05p | 5:43p |

## BLACKBURN Lt=53:45N Lg= 2:29W GMT+ 0

Qiblah Compass=121:54E(2006.91)Qiblah from True North =118:27E
D

| Jan 1 | $6: 46 \mathrm{a}$ |
| :--- | :--- |
| Jan 2 | $6: 45 \mathrm{a}$ |
| Jan 3 | $6: 45 \mathrm{a}$ |
| Jan 4 | $6: 45 \mathrm{a}$ |
| Jan 5 | $6: 45 \mathrm{a}$ |

Jan 6:45a
Jan 7 6:44a

| Jan 8 | $6: 44 a$ |
| :--- | :--- |
| Jan 9 | $6: 43 a$ |

Jan 10 6:43a

| Jan 11 | 6:42a |
| :--- | :--- |
| Jan 12 | 6:41a |

Jan 13 6:41a
Jan 14 6:40a
Jan 15 6:39a
Jan 16 6:38a
Jan 17 6:37a

| Jan 18 | $6: 36 a$ |
| :--- | :--- |
| Jan 19 | $6: 35 a$ |

Jan 20 6:34a
Jan 21 6:33a
Jan 22 6:32a
8:12a $12: 26$ p
Jan 23 6:31a
8:10a $\quad 12: 27 \mathrm{p}$

| Jan 24 | $6: 29 \mathrm{a}$ | $8: 09 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 45 \mathrm{p}$ | $4: 38 \mathrm{p}$ | $6: 10 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 25 | $6: 28 \mathrm{a}$ | $8: 08 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 47 \mathrm{p}$ | $4: 40 \mathrm{p}$ | $6: 12 \mathrm{p}$ |
| Jan 26 | $6: 27 \mathrm{a}$ | $8: 06 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 48 \mathrm{p}$ | $4: 42 \mathrm{p}$ | $6: 13 \mathrm{p}$ |
| Jan 27 | $6: 25 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 28 \mathrm{p}$ | $2: 50 \mathrm{p}$ | $4: 44 \mathrm{p}$ | $6: 15 \mathrm{p}$ |
| Jan 28 | $6: 24 \mathrm{a}$ | $8: 03 \mathrm{a}$ | $12: 28 \mathrm{p}$ | $2: 52 \mathrm{p}$ | $4: 46 \mathrm{p}$ | $6: 17 \mathrm{p}$ |
| Jan 29 | $6: 22 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 28 \mathrm{p}$ | $2: 54 \mathrm{p}$ | $4: 48 \mathrm{p}$ | $6: 18 \mathrm{p}$ |


| Jan 30 | 6:21a | 8:00a | 12:28p | 2:56p | 4:50p | 6:20p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:19a | 7:58a | 12:28p | 2:57p | 4:52p | 6:22p |
| Feb 1 | 6:18a | 7:57a | 12:28p | 2:59p | 4:54p | 6:24p |
| Feb 2 | 6:16a | 7:55a | 12:29p | 3:01p | 4:56p | 6:25p |
| Feb 3 | 6:15a | 7:53a | 12:29p | 3:03p | 4:58p | 6:27p |
| Feb 4 | 6:13a | 7:51a | 12:29p | 3:05p | 5:00p | 6:29p |
| Feb 5 | 6:11a | 7:50a | 12:29p | 3:07p | 5:02p | 6:30p |
| Feb 6 | 6:09a | 7:48a | 12:29p | 3:09p | 5:04p | 6:32p |
| Feb 7 | 6:08a | 7:46a | 12:29p | 3:10p | 5:06p | 6:34p |
| Feb 8 | 6:06a | 7:44a | 12:29p | 3:12p | 5:08p | 6:36p |
| Feb 9 | 6:04a | 7:42a | 12:29p | 3:14p | 5:10p | 6:37p |
| Feb 10 | 6:02a | 7:40a | 12:29p | 3:16p | 5:12p | 6:39p |
| Feb 11 | 6:00a | 7:38a | 12:29p | 3:18p | 5:14p | 6:41p |
| Feb 12 | 5:58a | 7:36a | 12:29p | 3:20p | 5:16p | 6:43p |
| Feb 13 | 5:57a | 7:34a | 12:29p | 3:22p | 5:18p | 6:44p |
| Feb 14 | 5:55a | 7:32a | 12:29p | 3:23p | 5:20p | 6:46p |
| Feb 15 | 5:53a | 7:30a | 12:29p | 3:25p | 5:22p | 6:48p |
| Feb 16 | 5:51a | 7:28a | 12:29p | 3:27p | 5:24p | 6:50p |
| Feb 17 | 5:49a | 7:26a | 12:29p | 3:29p | 5:26p | 6:51p |
| Feb 18 | 5:47a | 7:24a | 12:29p | 3:31p | 5:28p | 6:53p |
| Feb 19 | 5:44a | 7:22a | 12:29p | 3:33p | 5:30p | 6:55p |
| Feb 20 | 5:42a | 7:19a | 12:29p | 3:34p | 5:32p | 6:57p |
| Feb 21 | 5:40a | 7:17a | 12:29p | 3:36p | 5:34p | 6:58p |
| Feb 22 | 5:38a | 7:15a | 12:29p | 3:38p | 5:36p | 7:00p |
| Feb 23 | 5:36a | 7:13a | 12:28p | 3:40p | 5:38p | 7:02p |
| Feb 24 | 5:34a | 7:10a | 12:28p | 3:41p | 5:40p | 7:04p |
| Feb 25 | 5:32a | 7:08a | 12:28p | 3:43p | 5:42p | 7:05p |
| Feb 26 | 5:30a | 7:06a | 12:28p | 3:45p | 5:44p | 7:07p |
| Feb 27 | 5:27a | 7:04a | 12:28p | 3:47p | 5:46p | 7:09p |
| Feb 28 | 5:25a | 7:01a | 12:28p | 3:48p | 5:48p | 7:10p |
| Mar 1 | 5:23a | 6:59a | 12:27p | 3:50p | 5:50p | 7:12p |
| Mar 2 | 5:21a | 6:57a | 12:27p | 3:52p | 5:51p | 7:14p |
| Mar 3 | 5:19a | 6:54a | 12:27p | 3:54p | 5:53p | 7:16p |
| Mar 4 | 5:16a | 6:52a | 12:27p | 3:55p | 5:55p | 7:17p |


| Mar 5 | 5:14a | 6:50a | 12:27p | 3:57p | 5:57p | 7:19p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:12a | 6:47a | 12:26p | 3:59p | 5:59p | 7:21p |
| Mar 7 | 5:10a | 6:45a | 12:26p | 4:00p | 6:01p | 7:22p |
| Mar 8 | 5:07a | 6:43a | 12:26p | 4:02p | 6:03p | 7:24p |
| Mar 9 | 5:05a | 6:40a | 12:26p | 4:03p | 6:05p | 7:26p |
| Mar 10 | 5:03a | 6:38a | 12:25p | 4:05p | 6:07p | 7:27p |
| Mar 11 | 5:00a | 6:35a | 12:25p | 4:07p | 6:09p | 7:29p |
| Mar 12 | 4:58a | 6:33a | 12:25p | 4:08p | 6:11p | 7:30p |
| Mar 13 | 4:56a | 6:31a | 12:25p | 4:10p | 6:12p | 7:32p |
| Mar 14 | 4:53a | 6:28a | 12:24p | 4:11p | 6:14p | $7: 34 \mathrm{p}$ |
| Mar 15 | 4:51a | 6:26a | 12:24p | 4:13p | 6:16p | 7:35p |
| Mar 16 | 4:49a | 6:23a | 12:24p | 4:15p | 6:18p | 7:37p |
| Mar 17 | 4:46a | 6:21a | 12:24p | 4:16p | 6:20p | 7:39p |
| Mar 18 | 4:44a | 6:18a | 12:23p | 4:18p | 6:22p | 7:40p |
| Mar 19 | 4:42a | 6:16a | 12:23p | 4:19p | 6:24p | 7:42p |
| Mar 20 | 4:39a | 6:14a | 12:23p | 4:21p | 6:26p | 7:43p |
| Mar 21 | 4:37a | 6:11a | 12:22p | 4:22p | 6:27p | 7:45p |
| Mar 22 | 4:35a | 6:09a | 12:22p | 4:24p | 6:29p | 7:47p |
| Mar 23 | 4:32a | 6:06a | 12:22p | 4:25p | 6:31p | 7:48p |
| Mar 24 | 4:29a | 6:04a | 12:21p | 4:27p | 6:33p | 7:50p |
| Mar 25 | 5:26a | 7:01a | 1:21p | 5:28p | 7:35p | 8:52p |
| Mar 26 | 5:24a | 6:59a | 1:21p | 5:29p | 7:37p | 8:53p |
| Mar 27 | 5:21a | 6:56a | 1:21p | 5:31p | 7:39p | 8:55p |
| Mar 28 | 5:18a | 6:54a | 1:20p | 5:32p | 7:40p | 8:56p |
| Mar 29 | 5:15a | 6:52a | 1:20p | 5:34p | 7:42p | 8:58p |
| Mar 30 | 5:13a | 6:49a | 1:20p | 5:35p | 7:44p | 9:00p |
| Mar 31 | 5:10a | 6:47a | 1:19p | 5:36p | 7:46p | 9:01p |
| Apr 1 | 5:07a | 6:44a | 1:19p | 5:38p | 7:48p | 9:03p |
| Apr 2 | 5:04a | 6:42a | 1:19p | 5:39p | 7:50p | 9:04p |
| Apr 3 | 5:02a | 6:39a | 1:18p | 5:40p | 7:52p | 9:06p |
| Apr 4 | 4:59a | 6:37a | 1:18p | 5:42p | 7:53p | 9:08p |
| Apr 5 | 4:56a | 6:34a | 1:18p | 5:43p | 7:55p | 9:09p |
| Apr 6 | 4:53a | 6:32a | 1:18p | 5:45p | 7:57p | 9:11p |
| Apr 7 | 4:51a | 6:30a | 1:17p | 5:46p | 7:59p | 9:12p |


| Apr 8 | 4:48a | 6:27a | 1:17p | 5:47p | 8:01p | 9:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:45a | 6:25a | 1:17p | 5:48p | 8:03p | 9:16p |
| Apr 10 | 4:43a | 6:22a | 1:16p | 5:50p | 8:04p | 9:17p |
| Apr 11 | 4:40a | 6:20a | 1:16p | 5:51p | 8:06p | 9:19p |
| Apr 12 | 4:37a | 6:18a | 1:16p | 5:52p | 8:08p | 9:20p |
| Apr 13 | 4:35a | 6:15a | 1:16p | 5:54p | 8:10p | 9:22p |
| Apr 14 | 4:32a | 6:13a | 1:15p | 5:55p | 8:12p | 9:23p |
| Apr 15 | 4:29a | 6:11a | 1:15p | 5:56p | 8:14p | 9:25p |
| Apr 16 | 4:27a | 6:08a | 1:15p | 5:57p | 8:15p | 9:27p |
| Apr 17 | 4:24a | 6:06a | 1:15p | 5:59p | 8:17p | 9:28p |
| Apr 18 | 4:21a | 6:04a | 1:14p | 6:00p | 8:19p | 9:30p |
| Apr 19 | 4:19a | 6:01a | 1:14p | 6:01p | 8:21p | 9:31p |
| Apr 20 | 4:16a | 5:59a | 1:14p | 6:02p | 8:23p | 9:33p |
| Apr 21 | 4:14a | 5:57a | 1:14p | 6:03p | 8:25p | 9:35p |
| Apr 22 | 4:11a | 5:55a | 1:14p | 6:05p | 8:27p | 9:36p |
| Apr 23 | 4:09a | 5:52a | 1:13p | 6:06p | 8:28p | 9:38p |
| Apr 24 | 4:06a | 5:50a | 1:13p | 6:07p | 8:30p | 9:39p |
| Apr 25 | 4:04a | 5:48a | 1:13p | 6:08p | 8:32p | 9:41p |
| Apr 26 | 4:01a | 5:46a | 1:13p | 6:09p | 8:34p | 9:43p |
| Apr 27 | 3:59a | 5:44a | 1:13p | 6:11p | 8:36p | 9:44p |
| Apr 28 | 3:56a | 5:42a | 1:13p | 6:12p | 8:38p | 9:46p |
| Apr 29 | 3:54a | 5:40a | 1:12p | 6:13p | 8:39p | 9:47p |
| Apr 30 | 3:52a | 5:37a | 1:12p | 6:14p | 8:41p | 9:49p |
| May 1 | 3:49a | 5:35a | 1:12p | 6:15p | 8:43p | 9:51p |
| May 2 | 3:47a | 5:33a | 1:12p | 6:16p | 8:45p | 9:52p |
| May 3 | 3:44a | 5:31a | 1:12p | 6:17p | 8:47p | 9:54p |
| May 4 | 3:42a | 5:29a | 1:12p | 6:18p | 8:48p | 9:55p |
| May 5 | 3:40a | 5:27a | 1:12p | 6:20p | 8:50p | 9:57p |
| May 6 | 3:38a | 5:25a | 1:12p | 6:21p | 8:52p | 9:58p |
| May 7 | 3:35a | 5:23a | 1:12p | 6:22p | 8:54p | 10:00p |
| May 8 | 3:33a | 5:21a | 1:11p | 6:23p | 8:56p | 10:02p |
| May 9 | 3:31a | 5:20a | 1:11p | 6:24p | 8:57p | 10:04p |
| May 10 | 3:29a | 5:18a | 1:11p | 6:25p | 8:59p | 10:06p |
| May 11 | 3:27a | 5:16a | 1:11p | 6:26p | 9:01p | 10:08p |


| May 12 | 3:25a | 5:14a | 1:11p | 6:27p | 9:03p | 10:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:12a | 1:11p | 6:28p | 9:04p | 10:12p |
| May 14 | 3:21a | 5:11a | 1:11p | 6:29p | 9:06p | 10:14p |
| May 15 | 3:19a | 5:09a | 1:11p | 6:30p | 9:08p | 10:16p |
| May 16 | 3:17a | 5:07a | 1:11p | 6:31p | 9:09p | 10:18p |
| May 17 | 3:15a | 5:06a | 1:11p | 6:32p | 9:11p | 10:20p |
| May 18 | 3:13a | 5:04a | 1:11p | 6:33p | 9:12p | 10:22p |
| May 19 | 3:11a | 5:03a | 1:11p | 6:34p | 9:14p | 10:24p |
| May 20 | 3:09a | 5:01a | 1:11p | 6:35p | 9:16p | 10:26p |
| May 21 | 3:07a | 5:00a | 1:11p | 6:36p | 9:17p | 10:28p |
| May 22 | 3:06a | 4:58a | 1:12p | 6:37p | 9:19p | 10:30p |
| May 23 | 3:04a | 4:57a | 1:12p | 6:37p | 9:20p | 10:31p |
| May 24 | 3:02a | 4:56a | 1:12p | 6:38p | 9:22p | 10:33p |
| May 25 | 3:01a | 4:54a | 1:12p | 6:39p | 9:23p | 10:35p |
| May 26 | 2:59a | 4:53a | 1:12p | 6:40p | 9:25p | 10:37p |
| May 27 | 2:58a | 4:52a | 1:12p | 6:41p | 9:26p | 10:39p |
| May 28 | 2:56a | 4:51a | 1:12p | 6:42p | 9:27p | 10:40p |
| May 29 | 2:55a | 4:50a | 1:12p | 6:42p | 9:29p | 10:42p |
| May 30 | 2:54a | 4:49a | 1:12p | 6:43p | 9:30p | 10:44p |
| May 31 | 2:52a | 4:48a | 1:12p | $6: 44 \mathrm{p}$ | 9:31p | 10:45p |
| Jun 1 | 2:51a | 4:47a | 1:13p | 6:45p | 9:33p | 10:47p |
| Jun 2 | 2:50a | 4:46a | 1:13p | 6:45p | $9: 34 \mathrm{p}$ | 10:48p |
| Jun 3 | 2:49a | 4:45a | 1:13p | 6:46p | 9:35p | 10:50p |
| Jun 4 | 2:48a | 4:44a | 1:13p | 6:47p | 9:36p | 10:51p |
| Jun 5 | 2:46a | 4:43a | 1:13p | 6:47p | 9:37p | 10:53p |
| Jun 6 | 2:46a | 4:43a | 1:13p | 6:48p | 9:38p | 10:54p |
| Jun 7 | 2:45a | 4:42a | 1:14p | 6:49p | 9:39p | 10:55p |
| Jun 8 | 2:44a | 4:41a | 1:14p | 6:49p | 9:40p | 10:56p |
| Jun 9 | 2:43a | 4:41a | 1:14p | 6:50p | 9:41p | 10:58p |
| Jun 10 | 2:42a | 4:40a | 1:14p | 6:50p | 9:42p | 10:59p |
| Jun 11 | 2:41a | 4:40a | 1:14p | 6:51p | 9:42p | 11:00p |
| Jun 12 | 2:41a | 4:40a | 1:15p | 6:51p | 9:43p | 11:01p |
| Jun 13 | 2:40a | 4:39a | 1:15p | 6:52p | 9:44p | 11:02p |
| Jun 14 | 2:39a | 4:39a | 1:15p | 6:52p | 9:45p | 11:03p |


| Jun 15 | 2:39a | 4:39a | 1:15p | 6:53p | 9:45p | 11:04p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:39a | 4:39a | 1:15p | 6:53p | 9:46p | 11:05p |
| Jun 17 | 2:38a | 4:39a | 1:16p | 6:53p | 9:46p | 11:05p |
| Jun 18 | 2:38a | 4:39a | 1:16p | 6:54p | 9:47p | 11:06p |
| Jun 19 | 2:38a | 4:39a | 1:16p | 6:54p | 9:47p | 11:07p |
| Jun 20 | 2:37a | 4:39a | 1:16p | 6:54p | 9:47p | 11:08p |
| Jun 21 | 2:37a | 4:39a | 1:17p | 6:55p | 9:47p | 11:08p |
| Jun 22 | 2:37a | 4:39a | 1:17p | 6:55p | 9:48p | 11:09p |
| Jun 23 | 2:38a | 4:39a | 1:17p | 6:55p | 9:48p | 11:08p |
| Jun 24 | 2:38a | 4:40a | 1:17p | 6:55p | 9:48p | 11:08p |
| Jun 25 | 2:39a | 4:40a | 1:17p | 6:55p | 9:48p | 11:08p |
| Jun 26 | 2:40a | 4:41a | 1:18p | 6:55p | 9:48p | 11:07p |
| Jun 27 | 2:41a | 4:41a | 1:18p | 6:55p | 9:48p | 11:07p |
| Jun 28 | 2:41a | 4:42a | 1:18p | 6:55p | 9:47p | 11:06p |
| Jun 29 | 2:42a | 4:42a | 1:18p | 6:56p | 9:47p | 11:06p |
| Jun 30 | 2:43a | 4:43a | 1:18p | 6:56p | 9:47p | 11:05p |
| Jul 1 | 2:44a | 4:44a | 1:19p | 6:55p | 9:47p | 11:05p |
| Jul 2 | 2:45a | 4:44a | 1:19p | 6:55p | 9:46p | 11:04p |
| Jul 3 | 2:46a | 4:45a | 1:19p | 6:55p | 9:46p | 11:03p |
| Jul 4 | 2:48a | 4:46a | 1:19p | 6:55p | 9:45p | 11:02p |
| Jul 5 | 2:49a | 4:47a | 1:19p | 6:55p | 9:45p | 11:01p |
| Jul 6 | 2:50a | 4:48a | 1:20p | 6:55p | 9:44p | 11:00p |
| Jul 7 | 2:51a | 4:49a | 1:20p | 6:54p | 9:43p | 10:59p |
| Jul 8 | 2:53a | 4:50a | 1:20p | 6:54p | 9:43p | 10:58p |
| Jul 9 | 2:54a | 4:51a | 1:20p | 6:54p | 9:42p | 10:57p |
| Jul 10 | 2:55a | 4:52a | 1:20p | 6:54p | 9:41p | 10:56p |
| Jul 11 | 2:57a | 4:53a | 1:20p | 6:53p | 9:40p | 10:55p |
| Jul 12 | 2:58a | 4:54a | 1:20p | 6:53p | 9:39p | 10:54p |
| Jul 13 | 3:00a | 4:55a | 1:21p | 6:52p | 9:38p | 10:52p |
| Jul 14 | 3:01a | 4:57a | 1:21p | 6:52p | 9:37p | 10:51p |
| Jul 15 | 3:03a | 4:58a | 1:21p | 6:51p | 9:36p | 10:49p |
| Jul 16 | 3:05a | 4:59a | 1:21p | 6:51p | 9:35p | 10:48p |
| Jul 17 | 3:06a | 5:01a | 1:21p | 6:50p | 9:34p | 10:46p |
| Jul 18 | 3:08a | 5:02a | 1:21p | 6:50p | 9:32p | 10:45p |


| Jul 19 | 3:10a | 5:03a | 1:21p | 6:49p | 9:31p | 10:43p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:11a | 5:05a | 1:21p | 6:48p | 9:30p | 10:42p |
| Jul 21 | 3:13a | 5:06a | 1:21p | 6:48p | 9:28p | 10:40p |
| Jul 22 | 3:15a | 5:08a | 1:21p | 6:47p | 9:27p | 10:38p |
| Jul 23 | 3:17a | 5:09a | 1:21p | 6:46p | 9:26p | 10:36p |
| Jul 24 | 3:18a | 5:11a | 1:21p | 6:45p | 9:24p | 10:35p |
| Jul 25 | 3:20a | 5:12a | 1:21p | 6:44p | 9:23p | 10:33p |
| Jul 26 | 3:22a | 5:14a | 1:21p | 6:44p | 9:21p | 10:31p |
| Jul 27 | 3:24a | 5:15a | 1:21p | 6:43p | 9:19p | 10:29p |
| Jul 28 | 3:26a | 5:17a | 1:21p | 6:42p | 9:18p | 10:27p |
| Jul 29 | 3:28a | 5:19a | 1:21p | 6:41p | 9:16p | 10:25p |
| Jul 30 | 3:30a | 5:20a | 1:21p | 6:40p | 9:14p | 10:23p |
| Jul 31 | 3:32a | 5:22a | 1:21p | 6:39p | 9:13p | 10:21p |
| Aug 1 | 3:34a | 5:24a | 1:21p | 6:38p | 9:11p | 10:19p |
| Aug 2 | 3:36a | 5:25a | 1:21p | 6:37p | 9:09p | 10:17p |
| Aug 3 | 3:38a | 5:27a | 1:21p | 6:36p | 9:07p | 10:14p |
| Aug 4 | 3:40a | 5:29a | 1:21p | 6:34p | 9:05p | 10:12p |
| Aug 5 | 3:42a | 5:30a | 1:21p | 6:33p | 9:03p | 10:10p |
| Aug 6 | 3:44a | 5:32a | 1:21p | 6:32p | 9:01p | 10:08p |
| Aug 7 | 3:46a | 5:34a | 1:21p | 6:31p | 9:00p | 10:06p |
| Aug 8 | 3:48a | 5:36a | 1:21p | 6:30p | 8:58p | 10:04p |
| Aug 9 | 3:50a | 5:37a | 1:21p | 6:28p | 8:56p | 10:02p |
| Aug 10 | 3:52a | 5:39a | 1:20p | 6:27p | 8:54p | 10:00p |
| Aug 11 | 3:54a | 5:41a | 1:20p | 6:26p | 8:51p | 9:58p |
| Aug 12 | 3:56a | 5:42a | 1:20p | 6:24p | 8:49p | 9:57p |
| Aug 13 | 3:58a | 5:44a | 1:20p | 6:23p | 8:47p | 9:55p |
| Aug 14 | 4:00a | 5:46a | 1:20p | 6:21p | 8:45p | 9:53p |
| Aug 15 | 4:02a | 5:48a | 1:20p | 6:20p | 8:43p | 9:51p |
| Aug 16 | 4:04a | 5:49a | 1:19p | 6:18p | 8:41p | 9:49p |
| Aug 17 | 4:06a | 5:51a | 1:19p | 6:17p | 8:39p | 9:47p |
| Aug 18 | 4:08a | 5:53a | 1:19p | 6:15p | 8:36p | 9:45p |
| Aug 19 | 4:10a | 5:55a | 1:19p | 6:14p | 8:34p | 9:43p |
| Aug 20 | 4:13a | 5:57a | 1:19p | 6:12p | 8:32p | 9:41p |
| Aug 21 | 4:15a | 5:58a | 1:18p | 6:11p | 8:30p | 9:39p |


| Aug 22 | 4:17a | 6:00a | 1:18p | 6:09p | 8:28p | 9:37p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:19a | 6:02a | 1:18p | 6:08p | 8:25p | 9:35p |
| Aug 24 | 4:21a | 6:04a | 1:18p | 6:06p | 8:23p | 9:33p |
| Aug 25 | 4:23a | 6:05a | 1:17p | 6:04p | 8:21p | 9:31p |
| Aug 26 | 4:25a | 6:07a | 1:17p | 6:02p | 8:18p | 9:29p |
| Aug 27 | 4:27a | 6:09a | 1:17p | 6:01p | 8:16p | 9:27p |
| Aug 28 | 4:29a | 6:11a | 1:16p | 5:59p | 8:14p | 9:25p |
| Aug 29 | 4:31a | 6:12a | 1:16p | 5:57p | 8:11p | 9:23p |
| Aug 30 | 4:33a | 6:14a | 1:16p | 5:55p | 8:09p | 9:21p |
| Aug 31 | 4:35a | 6:16a | 1:16p | 5:54p | 8:07p | 9:18p |
| Sep 1 | 4:37a | 6:18a | 1:15p | 5:52p | 8:04p | 9:16p |
| Sep 2 | 4:39a | 6:19a | 1:15p | 5:50p | 8:02p | 9:14p |
| Sep 3 | 4:41a | 6:21a | 1:15p | 5:48p | 7:59p | 9:12p |
| Sep 4 | 4:44a | 6:23a | 1:14p | 5:46p | 7:57p | 9:10p |
| Sep 5 | 4:46a | 6:25a | 1:14p | 5:44p | 7:55p | 9:08p |
| Sep 6 | 4:48a | 6:27a | 1:14p | 5:42p | 7:52p | 9:06p |
| Sep 7 | 4:50a | 6:28a | 1:13p | 5:41p | 7:50p | 9:03p |
| Sep 8 | 4:52a | 6:30a | 1:13p | 5:39p | 7:47p | 9:01p |
| Sep 9 | 4:54a | 6:32a | 1:13p | 5:37p | 7:45p | 8:59p |
| Sep 10 | 4:56a | 6:34a | 1:12p | 5:35p | $7: 42 \mathrm{p}$ | 8:57p |
| Sep 11 | 4:58a | 6:35a | 1:12p | 5:33p | 7:40p | 8:55p |
| Sep 12 | 5:00a | 6:37a | 1:12p | 5:31p | 7:37p | 8:52p |
| Sep 13 | 5:02a | 6:39a | 1:11p | 5:29p | $7: 35 \mathrm{p}$ | 8:50p |
| Sep 14 | 5:04a | 6:41a | 1:11p | 5:27p | 7:32p | 8:48p |
| Sep 15 | 5:06a | 6:42a | 1:10p | 5:25p | 7:30p | 8:46p |
| Sep 16 | 5:08a | 6:44a | 1:10p | 5:23p | 7:28p | 8:43p |
| Sep 17 | 5:10a | 6:46a | 1:10p | 5:21p | 7:25p | 8:41p |
| Sep 18 | 5:12a | 6:48a | 1:09p | 5:19p | 7:23p | 8:39p |
| Sep 19 | 5:15a | 6:49a | 1:09p | 5:17p | 7:20p | 8:37p |
| Sep 20 | 5:17a | 6:51a | 1:09p | 5:14p | 7:18p | 8:35p |
| Sep 21 | 5:19a | 6:53a | 1:08p | 5:12p | 7:15p | 8:32p |
| Sep 22 | 5:21a | 6:55a | 1:08p | 5:10p | 7:13p | 8:30p |
| Sep 23 | 5:22a | 6:57a | 1:08p | 5:08p | 7:10p | 8:28p |
| Sep 24 | 5:24a | 6:58a | 1:07p | 5:06p | 7:08p | 8:26p |


| Sep 25 | 5:26a | 7:00a | 1:07p | 5:04p | 7:05p | 8:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:27a | 7:02a | 1:07p | 5:02p | 7:03p | 8:21p |
| Sep 27 | 5:29a | 7:04a | 1:06p | 5:00p | 7:00p | 8:19p |
| Sep 28 | 5:31a | 7:05a | 1:06p | 4:58p | 6:58p | 8:17p |
| Sep 29 | 5:33a | 7:07a | 1:06p | 4:55p | 6:55p | 8:15p |
| Sep 30 | 5:34a | 7:09a | 1:05p | 4:53p | 6:53p | 8:12p |
| Oct 1 | 5:36a | 7:11a | 1:05p | 4:51p | 6:51p | 8:10p |
| Oct 2 | 5:38a | 7:13a | 1:05p | 4:49p | 6:48p | 8:08p |
| Oct 3 | 5:39a | 7:14a | 1:04p | 4:47p | 6:46p | 8:06p |
| Oct 4 | 5:41a | 7:16a | 1:04p | 4:45p | 6:43p | 8:04p |
| Oct 5 | 5:43a | 7:18a | 1:04p | 4:43p | 6:41p | 8:02p |
| Oct 6 | 5:44a | 7:20a | 1:03p | 4:40p | 6:38p | 7:59p |
| Oct 7 | 5:46a | 7:22a | 1:03p | 4:38p | 6:36p | 7:57p |
| Oct 8 | 5:48a | 7:24a | 1:03p | 4:36p | 6:34p | 7:55p |
| Oct 9 | 5:50a | 7:25a | 1:02p | 4:34p | 6:31p | 7:53p |
| Oct 10 | 5:51a | 7:27a | 1:02p | 4:32p | 6:29p | 7:51p |
| Oct 11 | 5:53a | 7:29a | 1:02p | 4:30p | 6:26p | 7:49p |
| Oct 12 | 5:55a | 7:31a | 1:02p | 4:28p | 6:24p | 7:47p |
| Oct 13 | 5:57a | 7:33a | 1:01p | 4:26p | 6:22p | 7:44p |
| Oct 14 | 5:58a | 7:35a | 1:01p | 4:23p | 6:19p | 7:42p |
| Oct 15 | 6:00a | 7:37a | 1:01p | 4:21p | 6:17p | 7:40p |
| Oct 16 | 6:02a | 7:38a | 1:01p | 4:19p | 6:15p | 7:38p |
| Oct 17 | 6:04a | 7:40a | 1:00p | 4:17p | 6:13p | 7:36p |
| Oct 18 | 6:06a | 7:42a | 1:00p | 4:15p | 6:10p | 7:34p |
| Oct 19 | 6:07a | 7:44a | 1:00p | 4:13p | 6:08p | 7:32p |
| Oct 20 | 6:09a | 7:46a | 1:00p | 4:11p | 6:06p | 7:30p |
| Oct 21 | 6:11a | 7:48a | 1:00p | 4:09p | 6:04p | 7:28p |
| Oct 22 | 6:13a | 7:50a | 1:00p | 4:07p | 6:01p | 7:26p |
| Oct 23 | 6:15a | 7:52a | 12:59p | 4:05p | 5:59p | 7:24p |
| Oct 24 | 6:16a | 7:54a | 12:59p | 4:03p | 5:57p | 7:22p |
| Oct 25 | 6:18a | 7:55a | 12:59p | 4:01p | 5:55p | 7:20p |
| Oct 26 | 6:20a | 7:57a | 12:59p | 3:59p | 5:53p | 7:19p |
| Oct 27 | 6:22a | 7:59a | 12:59p | 3:57p | 5:51p | 7:17p |
| Oct 28 | 5:24a | 7:01a | 11:59a | 2:55p | $4: 49 \mathrm{p}$ | 6:15p |


| Oct 29 | 5:25a | 7:03a | 11:59a | 2:53p | 4:46p | 6:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:27a | 7:05a | 11:59a | 2:51p | 4:44p | 6:11p |
| Oct 31 | 5:29a | 7:07a | 11:59a | 2:49p | 4:42p | 6:09p |
| Nov 1 | 5:31a | 7:09a | 11:59a | 2:47p | 4:40p | 6:08p |
| Nov 2 | 5:33a | 7:11a | 11:59a | 2:45p | 4:38p | 6:06p |
| Nov 3 | 5:35a | 7:13a | 11:59a | 2:43p | 4:36p | 6:04p |
| Nov 4 | 5:36a | 7:15a | 11:59a | 2:42p | 4:35p | 6:03p |
| Nov 5 | 5:38a | 7:17a | 11:59a | 2:40p | 4:33p | 6:01p |
| Nov 6 | 5:40a | 7:19a | 11:59a | 2:38p | 4:31p | 5:59p |
| Nov 7 | 5:42a | 7:21a | 11:59a | 2:36p | 4:29p | 5:58p |
| Nov 8 | 5:44a | 7:22a | 11:59a | 2:35p | 4:27p | 5:56p |
| Nov 9 | 5:46a | 7:24a | 11:59a | 2:33p | 4:25p | 5:55p |
| Nov 10 | 5:47a | 7:26a | 11:59a | 2:31p | 4:24p | 5:53p |
| Nov 11 | 5:49a | 7:28a | 11:59a | 2:30p | 4:22p | 5:52p |
| Nov 12 | 5:51a | 7:30a | 11:59a | 2:28p | 4:20p | 5:50p |
| Nov 13 | 5:53a | 7:32a | 11:59a | 2:27p | 4:19p | 5:49p |
| Nov 14 | 5:55a | 7:34a | 11:59a | 2:25p | 4:17p | 5:48p |
| Nov 15 | 5:56a | 7:36a | 11:59a | 2:24p | 4:16p | 5:46p |
| Nov 16 | 5:58a | 7:38a | 12:00n | 2:22p | 4:14p | 5:45p |
| Nov 17 | 6:00a | 7:40a | 12:00n | 2:21p | 4:13p | 5:44p |
| Nov 18 | 6:02a | 7:41a | 12:00n | 2:20p | 4:11p | 5:43p |
| Nov 19 | 6:04a | 7:43a | 12:00n | 2:18p | 4:10p | 5:42p |
| Nov 20 | 6:05a | 7:45a | 12:00n | 2:17p | 4:08p | 5:40p |
| Nov 21 | 6:07a | 7:47a | 12:01p | 2:16p | 4:07p | 5:39p |
| Nov 22 | 6:09a | 7:49a | 12:01p | 2:15p | 4:06p | 5:38p |
| Nov 23 | 6:10a | 7:50a | 12:01p | 2:13p | 4:05p | 5:37p |
| Nov 24 | 6:12a | 7:52a | 12:01p | 2:12p | 4:03p | 5:37p |
| Nov 25 | 6:14a | 7:54a | 12:02p | 2:11p | 4:02p | 5:36p |
| Nov 26 | 6:15a | 7:56a | 12:02p | 2:10p | 4:01p | 5:35p |
| Nov 27 | 6:17a | 7:57a | 12:02p | 2:09p | 4:00p | 5:34p |
| Nov 28 | 6:18a | 7:59a | 12:03p | 2:08p | 3:59p | 5:33p |
| Nov 29 | 6:20a | 8:00a | 12:03p | 2:08p | 3:58p | 5:33p |
| Nov 30 | 6:21a | 8:02a | 12:03p | 2:07p | 3:58p | 5:32p |
| Dec 1 | 6:23a | 8:03a | 12:04p | 2:06p | 3:57p | 5:32p |


| Dec 2 | 6:24a | 8:05a | 12:04p | 2:05p | 3:56p | 5:31p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:25a | 8:06a | 12:04p | 2:05p | 3:55p | 5:31p |
| Dec 4 | 6:27a | 8:08a | 12:05p | 2:04p | 3:55p | 5:30p |
| Dec 5 | 6:28a | 8:09a | 12:05p | 2:04p | 3:54p | 5:30p |
| Dec 6 | 6:29a | 8:11a | 12:06p | 2:03p | 3:54p | 5:30p |
| Dec 7 | 6:30a | 8:12a | 12:06p | 2:03p | 3:53p | 5:30p |
| Dec 8 | 6:32a | 8:13a | 12:06p | 2:02p | 3:53p | 5:29p |
| Dec 9 | 6:33a | 8:14a | 12:07p | 2:02p | 3:53p | 5:29p |
| Dec 10 | 6:34a | 8:16a | 12:07p | 2:02p | 3:52p | 5:29p |
| Dec 11 | 6:35a | 8:17a | 12:08p | 2:02p | 3:52p | 5:29p |
| Dec 12 | 6:36a | 8:18a | 12:08p | 2:02p | 3:52p | 5:29p |
| Dec 13 | 6:37a | 8:19a | 12:09p | 2:02p | 3:52p | 5:30p |
| Dec 14 | 6:38a | 8:20a | 12:09p | 2:02p | 3:52p | 5:30p |
| Dec 15 | 6:38a | 8:21a | 12:10p | 2:02p | 3:52p | 5:30p |
| Dec 16 | 6:39a | 8:22a | 12:10p | 2:02p | 3:52p | 5:31p |
| Dec 17 | 6:40a | 8:22a | 12:11p | 2:02p | 3:52p | 5:31p |
| Dec 18 | 6:41a | 8:23a | 12:11p | 2:02p | 3:52p | 5:31p |
| Dec 19 | 6:41a | 8:24a | 12:12p | 2:02p | 3:53p | 5:31p |
| Dec 20 | 6:42a | 8:25a | 12:12p | 2:03p | 3:53p | 5:32p |
| Dec 21 | 6:43a | 8:25a | 12:13p | 2:03p | 3:54p | 5:32p |
| Dec 22 | 6:43a | 8:26a | 12:13p | 2:04p | 3:54p | 5:33p |
| Dec 23 | 6:44a | 8:26a | 12:14p | 2:04p | 3:55p | 5:33p |
| Dec 24 | 6:44a | 8:27a | 12:14p | 2:05p | 3:55p | 5:34p |
| Dec 25 | 6:44a | 8:27a | 12:15p | 2:05p | 3:56p | 5:34p |
| Dec 26 | 6:45a | 8:27a | 12:15p | 2:06p | 3:57p | 5:35p |
| Dec 27 | 6:45a | 8:27a | 12:16p | 2:07p | 3:57p | 5:36p |
| Dec 28 | 6:45a | 8:28a | 12:16p | 2:07p | 3:58p | 5:37p |
| Dec 29 | 6:45a | 8:28a | 12:17p | 2:08p | 3:59p | 5:38p |
| Dec 30 | 6:45a | 8:28a | 12:17p | 2:09p | 4:00p | 5:39p |
| Dec 31 | 6:45a | 8:28a | 12:18p | 2:10p | 4:01p | 5:40p |

BOLTON, LANCASHIRE $\mathrm{Lt}=53: 35 \mathrm{~N} \mathrm{Lg}=2: 26 \mathrm{~W}$ GMT+ 0
Qiblah Compass=121:46E(2006.91)Qiblah from True North =118:21E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $6: 44 \mathrm{a}$ |
| Jan 2 | $6: 44 \mathrm{a}$ |
| Jan 3 | $6: 44 \mathrm{a}$ |
| Jan 4 | $6: 44 \mathrm{a}$ |
| Jan 5 | $6: 44 \mathrm{a}$ | Sunrise Zuhr Asr(H) Maghrib Isha

Jan 6 6:44a
Jan 7 6:43a

| Jan 8 | $6: 43 a$ |
| :--- | :--- |
| Jan 9 | $6: 42 a$ |

Jan 10 6:42a
Jan 11 6:41a
Jan 12 6:40a

| $8: 26 a$ | $12: 18 \mathrm{p}$ | $2: 1$ |
| :--- | :--- | :--- |
| $8: 26 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 1$ |

8:26a 12:19p
2:12p
4:03p 5:40p
2:13p $\quad 4: 04 p \quad 5: 41 p$
12:19p 2:14p 4:06p 5:42p
8:26a $12: 19 p \quad 2: 15 p \quad 4: 07 p \quad 5: 43 p$
8:25a $12: 20 \mathrm{p} \quad 2: 17 \mathrm{p} \quad 4: 08 \mathrm{p} \quad 5: 44 \mathrm{p}$
8:25a $\quad 12: 20 \mathrm{p} \quad 2: 18 \mathrm{p} \quad 4: 09 \mathrm{p} \quad 5: 45 \mathrm{p}$
8:24a 12:21p
2:19p $4: 11 p \quad 5: 46 p$
8:24a $\quad 12: 21 p \quad 2: 20 p \quad 4: 12 p \quad 5: 48 p$
8:23a $12: 22 p \quad 2: 22 p \quad 4: 14 p \quad 5: 49 p$
8:23a $\quad 12: 22 \mathrm{p} \quad 2: 23 \mathrm{p} \quad 4: 15 \mathrm{p} \quad 5: 50 \mathrm{p}$
8:22a $12: 22$ p
Jan 13 6:40a
Jan 14 6:39a
Jan 15 6:38a
8:21a $12: 23 \mathrm{p}$
2:24p
4:17p $\quad 5: 51 p$
4:18p $5: 53 p$
8:20a $\quad 12: 23 p \quad 2: 27 p \quad 4: 20 p \quad 5: 54 p$
8:19a 12:23p
4:21p $\quad 5: 55 \mathrm{p}$
8:19a $\quad 12: 24$ p
2:30p $4: 23 p \quad 5: 57 \mathrm{p}$

| Jan 16 | $6: 37 a$ | $8: 18 a$ | $12: 24 p$ | $2: 32 p$ | $4: 25 p$ | $5: 58 p$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 17 | $6: 36 a$ | $8: 17 a$ | $12: 25 p$ | $2: 34 p$ | $4: 26 p$ | $6: 00 p$ |


| Jan 18 | $6: 35 \mathrm{a}$ | $8: 15 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 35 \mathrm{p}$ | $4: 28 \mathrm{p}$ | $6: 01 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 19 | $6: 34 \mathrm{a}$ | $8: 14 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 37 \mathrm{p}$ | $4: 30 \mathrm{p}$ | $6: 03 \mathrm{p}$ |

Jan $20 \quad$ 6:33a $\quad 8: 13 a \quad 12: 26 p \quad 2: 39 p \quad 4: 32 p \quad 6: 04 p$

| Jan 21 | $6: 32 \mathrm{a}$ | $8: 12 \mathrm{a}$ | $12: 26 \mathrm{p}$ | $2: 40 \mathrm{p}$ | $4: 33 \mathrm{p}$ | $6: 06 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 22 | $6: 31 \mathrm{a}$ | $8: 11 \mathrm{a}$ | $12: 26 \mathrm{p}$ | $2: 42 \mathrm{p}$ | $4: 35 \mathrm{p}$ | $6: 07 \mathrm{p}$ |
| Jan 23 | $6: 30 \mathrm{a}$ | $8: 09 \mathrm{a}$ | $12: 26 \mathrm{p}$ | $2: 44 \mathrm{p}$ | $4: 37 \mathrm{p}$ | $6: 09 \mathrm{p}$ |
| Jan 24 | $6: 29 \mathrm{a}$ | $8: 08 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 45 \mathrm{p}$ | $4: 39 \mathrm{p}$ | $6: 11 \mathrm{p}$ |
| Jan 25 | $6: 27 \mathrm{a}$ | $8: 07 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 47 \mathrm{p}$ | $4: 41 \mathrm{p}$ | $6: 12 \mathrm{p}$ |
| Jan 26 | $6: 26 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 49 \mathrm{p}$ | $4: 43 \mathrm{p}$ | $6: 14 \mathrm{p}$ |
| Jan 27 | $6: 25 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 27 \mathrm{p}$ | $2: 51 \mathrm{p}$ | $4: 45 \mathrm{p}$ | $6: 15 \mathrm{p}$ |
| Jan 28 | $6: 23 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 28 \mathrm{p}$ | $2: 53 \mathrm{p}$ | $4: 47 \mathrm{p}$ | $6: 17 \mathrm{p}$ |
| Jan 29 | $6: 22 \mathrm{a}$ | $8: 01 \mathrm{a}$ | $12: 28 \mathrm{p}$ | $2: 54 \mathrm{p}$ | $4: 49 \mathrm{p}$ | $6: 19 \mathrm{p}$ |


| Jan 30 | 6:20a | 7:59a | 12:28p | 2:56p | 4:50p | 6:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:19a | 7:58a | 12:28p | 2:58p | 4:52p | 6:22p |
| Feb 1 | 6:17a | 7:56a | 12:28p | 3:00p | $4: 54 \mathrm{p}$ | 6:24p |
| Feb 2 | 6:16a | 7:54a | 12:28p | 3:02p | 4:56p | 6:26p |
| Feb 3 | 6:14a | 7:52a | 12:28p | 3:04p | 4:58p | 6:27p |
| Feb 4 | 6:12a | 7:51a | 12:29p | 3:05p | 5:00p | 6:29p |
| Feb 5 | 6:11a | 7:49a | 12:29p | 3:07p | 5:02p | 6:31p |
| Feb 6 | 6:09a | 7:47a | 12:29p | 3:09p | 5:04p | 6:33p |
| Feb 7 | 6:07a | 7:45a | 12:29p | 3:11p | 5:06p | 6:34p |
| Feb 8 | 6:05a | 7:43a | 12:29p | 3:13p | 5:08p | 6:36p |
| Feb 9 | 6:03a | 7:41a | 12:29p | 3:15p | 5:10p | 6:38p |
| Feb 10 | 6:02a | 7:40a | 12:29p | 3:16p | 5:12p | 6:39p |
| Feb 11 | 6:00a | 7:38a | 12:29p | 3:18p | 5:14p | 6:41p |
| Feb 12 | 5:58a | 7:36a | 12:29p | 3:20p | 5:16p | 6:43p |
| Feb 13 | 5:56a | 7:34a | 12:29p | 3:22p | 5:18p | 6:45p |
| Feb 14 | 5:54a | 7:31a | 12:29p | $3: 24 \mathrm{p}$ | 5:20p | 6:46p |
| Feb 15 | 5:52a | 7:29a | 12:29p | 3:26p | 5:22p | 6:48p |
| Feb 16 | 5:50a | 7:27a | 12:29p | 3:27p | 5:24p | 6:50p |
| Feb 17 | 5:48a | 7:25a | 12:29p | 3:29p | 5:26p | 6:52p |
| Feb 18 | 5:46a | 7:23a | 12:29p | 3:31p | 5:28p | 6:53p |
| Feb 19 | 5:44a | 7:21a | 12:29p | 3:33p | 5:30p | 6:55p |
| Feb 20 | 5:42a | 7:19a | 12:29p | 3:35p | 5:32p | 6:57p |
| Feb 21 | 5:40a | 7:17a | 12:28p | 3:36p | 5:34p | 6:59p |
| Feb 22 | 5:38a | 7:14a | 12:28p | 3:38p | 5:36p | 7:00p |
| Feb 23 | 5:36a | 7:12a | 12:28p | 3:40p | 5:38p | 7:02p |
| Feb 24 | 5:33a | 7:10a | 12:28p | 3:42p | 5:40p | 7:04p |
| Feb 25 | 5:31a | 7:08a | 12:28p | $3: 44 \mathrm{p}$ | 5:42p | 7:05p |
| Feb 26 | 5:29a | 7:05a | 12:28p | 3:45p | 5:44p | 7:07p |
| Feb 27 | 5:27a | 7:03a | 12:28p | 3:47p | 5:46p | 7:09p |
| Feb 28 | 5:25a | 7:01a | 12:27p | 3:49p | 5:48p | 7:10p |
| Mar 1 | 5:23a | 6:59a | 12:27p | 3:50p | 5:50p | 7:12p |
| Mar 2 | 5:20a | 6:56a | 12:27p | 3:52p | 5:52p | 7:14p |
| Mar 3 | 5:18a | 6:54a | 12:27p | 3:54p | 5:53p | 7:16p |
| Mar 4 | 5:16a | 6:52a | 12:27p | 3:55p | 5:55p | 7:17p |


| Mar 5 | 5:14a | 6:49a | 12:26p | 3:57p | 5:57p | 7:19p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:12a | 6:47a | 12:26p | 3:59p | 5:59p | 7:20p |
| Mar 7 | 5:09a | 6:45a | 12:26p | 4:00p | 6:01p | 7:22p |
| Mar 8 | 5:07a | 6:42a | 12:26p | 4:02p | 6:03p | 7:24p |
| Mar 9 | 5:05a | 6:40a | 12:25p | 4:04p | 6:05p | 7:25p |
| Mar 10 | 5:02a | 6:38a | 12:25p | 4:05p | 6:07p | 7:27p |
| Mar 11 | 5:00a | 6:35a | 12:25p | 4:07p | 6:09p | 7:29p |
| Mar 12 | 4:58a | 6:33a | 12:25p | 4:08p | 6:10p | 7:30p |
| Mar 13 | 4:55a | 6:30a | 12:24p | 4:10p | 6:12p | 7:32p |
| Mar 14 | 4:53a | 6:28a | 12:24p | 4:12p | 6:14p | 7:34p |
| Mar 15 | 4:51a | 6:25a | 12:24p | 4:13p | 6:16p | 7:35p |
| Mar 16 | 4:49a | 6:23a | 12:24p | 4:15p | 6:18p | 7:37p |
| Mar 17 | 4:46a | 6:21a | 12:23p | 4:16p | 6:20p | 7:38p |
| Mar 18 | 4:44a | 6:18a | 12:23p | 4:18p | 6:22p | 7:40p |
| Mar 19 | 4:42a | 6:16a | 12:23p | 4:19p | 6:23p | 7:42p |
| Mar 20 | 4:39a | 6:13a | 12:22p | 4:21p | 6:25p | 7:43p |
| Mar 21 | 4:37a | 6:11a | 12:22p | 4:22p | 6:27p | 7:45p |
| Mar 22 | 4:34a | 6:08a | 12:22p | 4:24p | 6:29p | 7:46p |
| Mar 23 | 4:32a | 6:06a | 12:22p | 4:25p | 6:31p | 7:48p |
| Mar 24 | 4:29a | 6:04a | 12:21p | 4:27p | 6:33p | 7:50p |
| Mar 25 | 5:26a | 7:01a | 1:21p | 5:28p | 7:35p | 8:51p |
| Mar 26 | 5:24a | 6:59a | 1:21p | 5:29p | 7:36p | 8:53p |
| Mar 27 | 5:21a | 6:56a | 1:20p | 5:31p | 7:38p | 8:54p |
| Mar 28 | 5:18a | 6:54a | 1:20p | 5:32p | 7:40p | 8:56p |
| Mar 29 | 5:15a | 6:51a | 1:20p | 5:34p | 7:42p | 8:58p |
| Mar 30 | 5:13a | 6:49a | 1:19p | 5:35p | $7: 44 \mathrm{p}$ | 8:59p |
| Mar 31 | 5:10a | 6:47a | 1:19p | 5:36p | 7:46p | 9:01p |
| Apr 1 | 5:07a | 6:44a | 1:19p | 5:38p | 7:47p | 9:02p |
| Apr 2 | 5:04a | 6:42a | 1:19p | 5:39p | 7:49p | 9:04p |
| Apr 3 | 5:02a | 6:39a | 1:18p | 5:40p | 7:51p | 9:06p |
| Apr 4 | 4:59a | 6:37a | 1:18p | 5:42p | 7:53p | 9:07p |
| Apr 5 | 4:56a | 6:34a | 1:18p | 5:43p | 7:55p | 9:09p |
| Apr 6 | 4:54a | 6:32a | 1:17p | 5:44p | 7:57p | 9:10p |
| Apr 7 | 4:51a | 6:30a | 1:17p | 5:46p | 7:58p | 9:12p |


| Apr 8 | 4:48a | 6:27a | 1:17p | 5:47p | 8:00p | 9:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:45a | 6:25a | 1:17p | 5:48p | 8:02p | 9:15p |
| Apr 10 | 4:43a | 6:23a | 1:16p | 5:50p | 8:04p | 9:17p |
| Apr 11 | 4:40a | 6:20a | 1:16p | 5:51p | 8:06p | 9:18p |
| Apr 12 | 4:37a | 6:18a | 1:16p | 5:52p | 8:08p | 9:20p |
| Apr 13 | 4:35a | 6:15a | 1:15p | 5:53p | 8:09p | 9:21p |
| Apr 14 | 4:32a | 6:13a | 1:15p | 5:55p | 8:11p | 9:23p |
| Apr 15 | 4:30a | 6:11a | 1:15p | 5:56p | 8:13p | 9:25p |
| Apr 16 | 4:27a | 6:08a | 1:15p | 5:57p | 8:15p | 9:26p |
| Apr 17 | 4:24a | 6:06a | 1:15p | 5:58p | 8:17p | 9:28p |
| Apr 18 | 4:22a | 6:04a | 1:14p | 6:00p | 8:19p | 9:29p |
| Apr 19 | 4:19a | 6:02a | 1:14p | 6:01p | 8:20p | 9:31p |
| Apr 20 | 4:17a | 5:59a | 1:14p | 6:02p | 8:22p | 9:32p |
| Apr 21 | 4:14a | 5:57a | 1:14p | 6:03p | 8:24p | 9:34p |
| Apr 22 | 4:12a | 5:55a | 1:13p | 6:04p | 8:26p | 9:36p |
| Apr 23 | 4:09a | 5:53a | 1:13p | 6:06p | 8:28p | 9:37p |
| Apr 24 | 4:07a | 5:51a | 1:13p | 6:07p | 8:30p | 9:39p |
| Apr 25 | 4:04a | 5:48a | 1:13p | 6:08p | 8:31p | 9:40p |
| Apr 26 | 4:02a | 5:46a | 1:13p | 6:09p | 8:33p | 9:42p |
| Apr 27 | 3:59a | 5:44a | 1:13p | 6:10p | 8:35p | 9:44p |
| Apr 28 | 3:57a | 5:42a | 1:12p | 6:11p | 8:37p | 9:45p |
| Apr 29 | 3:54a | 5:40a | 1:12p | 6:13p | 8:39p | 9:47p |
| Apr 30 | 3:52a | 5:38a | 1:12p | 6:14p | 8:40p | 9:48p |
| May 1 | 3:50a | 5:36a | 1:12p | 6:15p | 8:42p | 9:50p |
| May 2 | 3:47a | 5:34a | 1:12p | 6:16p | 8:44p | 9:51p |
| May 3 | 3:45a | 5:32a | 1:12p | 6:17p | 8:46p | 9:53p |
| May 4 | 3:43a | 5:30a | 1:12p | 6:18p | 8:48p | 9:54p |
| May 5 | 3:40a | 5:28a | 1:11p | 6:19p | 8:49p | 9:56p |
| May 6 | 3:38a | 5:26a | 1:11p | 6:20p | 8:51p | 9:57p |
| May 7 | 3:36a | 5:24a | 1:11p | 6:21p | 8:53p | 9:59p |
| May 8 | 3:34a | 5:22a | 1:11p | 6:22p | 8:55p | 10:01p |
| May 9 | 3:32a | 5:20a | 1:11p | 6:23p | 8:56p | 10:03p |
| May 10 | 3:29a | 5:18a | 1:11p | 6:24p | 8:58p | 10:05p |
| May 11 | 3:27a | 5:16a | 1:11p | 6:25p | 9:00p | 10:07p |


| May 12 | 3:25a | 5:15a | 1:11p | 6:26p | 9:02p | 10:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:13a | 1:11p | 6:27p | 9:03p | 10:11p |
| May 14 | 3:21a | 5:11a | 1:11p | 6:28p | 9:05p | 10:13p |
| May 15 | 3:19a | 5:10a | 1:11p | 6:29p | 9:07p | 10:15p |
| May 16 | 3:17a | 5:08a | 1:11p | 6:30p | 9:08p | 10:17p |
| May 17 | 3:15a | 5:06a | 1:11p | 6:31p | 9:10p | 10:19p |
| May 18 | 3:14a | 5:05a | 1:11p | 6:32p | 9:11p | 10:21p |
| May 19 | 3:12a | 5:03a | 1:11p | 6:33p | 9:13p | 10:23p |
| May 20 | 3:10a | 5:02a | 1:11p | 6:34p | 9:15p | 10:25p |
| May 21 | 3:08a | 5:00a | 1:11p | 6:35p | 9:16p | 10:27p |
| May 22 | 3:07a | 4:59a | 1:11p | 6:36p | $9: 18 p$ | 10:29p |
| May 23 | 3:05a | 4:58a | 1:11p | 6:37p | 9:19p | 10:30p |
| May 24 | 3:03a | 4:56a | 1:11p | 6:38p | 9:21p | 10:32p |
| May 25 | 3:02a | 4:55a | 1:12p | 6:39p | 9:22p | 10:34p |
| May 26 | 3:00a | 4:54a | 1:12p | 6:39p | 9:24p | 10:36p |
| May 27 | 2:59a | 4:53a | 1:12p | 6:40p | 9:25p | 10:37p |
| May 28 | 2:57a | 4:51a | 1:12p | 6:41p | 9:26p | 10:39p |
| May 29 | 2:56a | 4:50a | 1:12p | 6:42p | 9:28p | 10:41p |
| May 30 | 2:54a | 4:49a | 1:12p | 6:43p | 9:29p | 10:42p |
| May 31 | 2:53a | 4:48a | 1:12p | 6:43p | 9:30p | 10:44p |
| Jun 1 | 2:52a | 4:47a | 1:12p | 6:44p | 9:31p | 10:46p |
| Jun 2 | 2:51a | 4:47a | 1:13p | 6:45p | 9:33p | 10:47p |
| Jun 3 | 2:50a | 4:46a | 1:13p | 6:45p | 9:34p | 10:49p |
| Jun 4 | 2:48a | 4:45a | 1:13p | 6:46p | 9:35p | 10:50p |
| Jun 5 | 2:47a | 4:44a | 1:13p | 6:47p | 9:36p | 10:51p |
| Jun 6 | 2:46a | 4:43a | 1:13p | 6:47p | 9:37p | 10:53p |
| Jun 7 | 2:46a | 4:43a | 1:13p | 6:48p | 9:38p | 10:54p |
| Jun 8 | 2:45a | 4:42a | 1:14p | 6:49p | 9:39p | 10:55p |
| Jun 9 | 2:44a | 4:42a | 1:14p | 6:49p | 9:40p | 10:56p |
| Jun 10 | 2:43a | 4:41a | 1:14p | 6:50p | 9:40p | 10:58p |
| Jun 11 | 2:42a | 4:41a | 1:14p | 6:50p | 9:41p | 10:59p |
| Jun 12 | 2:42a | 4:40a | 1:14p | 6:51p | 9:42p | 11:00p |
| Jun 13 | 2:41a | 4:40a | 1:15p | 6:51p | 9:43p | 11:01p |
| Jun 14 | 2:40a | 4:40a | 1:15p | 6:52p | 9:43p | 11:02p |


| Jun 15 | 2:40a | 4:40a | 1:15p | 6:52p | 9:44p | 11:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:40a | 4:40a | 1:15p | 6:52p | 9:44p | 11:03p |
| Jun 17 | 2:39a | 4:40a | 1:15p | 6:53p | 9:45p | 11:04p |
| Jun 18 | 2:39a | 4:40a | 1:16p | 6:53p | 9:45p | 11:05p |
| Jun 19 | 2:39a | 4:40a | 1:16p | 6:53p | 9:46p | 11:06p |
| Jun 20 | 2:38a | 4:40a | 1:16p | 6:54p | 9:46p | 11:06p |
| Jun 21 | 2:38a | 4:40a | 1:16p | 6:54p | 9:46p | 11:07p |
| Jun 22 | 2:38a | 4:40a | 1:17p | 6:54p | 9:46p | 11:07p |
| Jun 23 | 2:39a | 4:40a | 1:17p | 6:54p | 9:46p | 11:07p |
| Jun 24 | 2:39a | 4:41a | 1:17p | 6:55p | 9:47p | 11:07p |
| Jun 25 | 2:40a | 4:41a | 1:17p | 6:55p | 9:47p | 11:07p |
| Jun 26 | 2:41a | 4:41a | 1:17p | 6:55p | 9:46p | 11:06p |
| Jun 27 | 2:42a | 4:42a | 1:18p | 6:55p | 9:46p | 11:06p |
| Jun 28 | 2:42a | 4:42a | 1:18p | 6:55p | 9:46p | 11:05p |
| Jun 29 | 2:43a | 4:43a | 1:18p | 6:55p | 9:46p | 11:05p |
| Jun 30 | 2:44a | 4:44a | 1:18p | 6:55p | 9:46p | 11:04p |
| Jul 1 | 2:45a | 4:44a | 1:18p | 6:55p | 9:45p | 11:03p |
| Jul 2 | 2:46a | 4:45a | 1:19p | 6:55p | 9:45p | 11:03p |
| Jul 3 | 2:47a | 4:46a | 1:19p | 6:55p | $9: 44 \mathrm{p}$ | 11:02p |
| Jul 4 | 2:49a | 4:47a | 1:19p | 6:55p | $9: 44 \mathrm{p}$ | 11:01p |
| Jul 5 | 2:50a | 4:48a | 1:19p | 6:54p | 9:43p | 11:00p |
| Jul 6 | 2:51a | 4:49a | 1:19p | 6:54p | 9:43p | 10:59p |
| Jul 7 | 2:52a | 4:50a | 1:20p | 6:54p | 9:42p | 10:58p |
| Jul 8 | 2:54a | 4:51a | 1:20p | 6:54p | 9:41p | 10:57p |
| Jul 9 | 2:55a | 4:52a | 1:20p | 6:53p | 9:41p | 10:56p |
| Jul 10 | 2:56a | 4:53a | 1:20p | 6:53p | 9:40p | 10:55p |
| Jul 11 | 2:58a | 4:54a | 1:20p | 6:53p | 9:39p | 10:54p |
| Jul 12 | 2:59a | 4:55a | 1:20p | 6:52p | 9:38p | 10:52p |
| Jul 13 | 3:01a | 4:56a | 1:20p | 6:52p | 9:37p | 10:51p |
| Jul 14 | 3:02a | 4:57a | 1:20p | 6:51p | 9:36p | 10:50p |
| Jul 15 | 3:04a | 4:59a | 1:21p | 6:51p | 9:35p | 10:48p |
| Jul 16 | 3:05a | 5:00a | 1:21p | 6:50p | 9:34p | 10:47p |
| Jul 17 | 3:07a | 5:01a | 1:21p | 6:50p | 9:33p | 10:45p |
| Jul 18 | 3:09a | 5:03a | 1:21p | 6:49p | 9:31p | 10:44p |


| Jul 19 | 3:10a | 5:04a | 1:21p | 6:48p | 9:30p | 10:42p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:12a | 5:05a | 1:21p | 6:48p | 9:29p | 10:41p |
| Jul 21 | 3:14a | 5:07a | 1:21p | 6:47p | 9:27p | 10:39p |
| Jul 22 | 3:16a | 5:08a | 1:21p | 6:46p | 9:26p | 10:37p |
| Jul 23 | 3:17a | 5:10a | 1:21p | 6:46p | 9:24p | 10:35p |
| Jul 24 | 3:19a | 5:11a | 1:21p | 6:45p | 9:23p | 10:34p |
| Jul 25 | 3:21a | 5:13a | 1:21p | 6:44p | 9:21p | 10:32p |
| Jul 26 | 3:23a | 5:14a | 1:21p | 6:43p | 9:20p | 10:30p |
| Jul 27 | 3:25a | 5:16a | 1:21p | 6:42p | 9:18p | 10:28p |
| Jul 28 | 3:27a | 5:18a | 1:21p | 6:41p | 9:17p | 10:26p |
| Jul 29 | 3:29a | 5:19a | 1:21p | 6:40p | 9:15p | 10:24p |
| Jul 30 | 3:31a | 5:21a | 1:21p | 6:39p | 9:13p | 10:22p |
| Jul 31 | 3:32a | 5:22a | 1:21p | 6:38p | 9:12p | 10:20p |
| Aug 1 | 3:34a | 5:24a | 1:21p | 6:37p | 9:10p | 10:18p |
| Aug 2 | 3:36a | 5:26a | 1:21p | 6:36p | 9:08p | 10:16p |
| Aug 3 | 3:38a | 5:27a | 1:21p | 6:35p | 9:06p | 10:14p |
| Aug 4 | 3:40a | 5:29a | 1:21p | 6:34p | 9:04p | 10:11p |
| Aug 5 | 3:42a | 5:31a | 1:21p | 6:33p | 9:03p | 10:09p |
| Aug 6 | 3:44a | 5:33a | 1:21p | 6:32p | 9:01p | 10:07p |
| Aug 7 | 3:46a | 5:34a | 1:21p | 6:30p | 8:59p | 10:05p |
| Aug 8 | 3:48a | 5:36a | 1:20p | 6:29p | 8:57p | 10:03p |
| Aug 9 | 3:50a | 5:38a | 1:20p | 6:28p | 8:55p | 10:01p |
| Aug 10 | 3:52a | 5:39a | 1:20p | 6:27p | 8:53p | 9:59p |
| Aug 11 | 3:54a | 5:41a | 1:20p | 6:25p | 8:51p | 9:58p |
| Aug 12 | 3:56a | 5:43a | 1:20p | 6:24p | 8:49p | 9:56p |
| Aug 13 | 3:59a | 5:45a | 1:20p | 6:22p | 8:47p | 9:54p |
| Aug 14 | 4:01a | 5:46a | 1:20p | 6:21p | 8:44p | 9:52p |
| Aug 15 | 4:03a | 5:48a | 1:19p | 6:20p | 8:42p | 9:50p |
| Aug 16 | 4:05a | 5:50a | 1:19p | 6:18p | 8:40p | 9:48p |
| Aug 17 | 4:07a | 5:52a | 1:19p | 6:17p | 8:38p | 9:46p |
| Aug 18 | 4:09a | 5:53a | 1:19p | 6:15p | 8:36p | 9:45p |
| Aug 19 | 4:11a | 5:55a | 1:19p | 6:14p | 8:34p | 9:43p |
| Aug 20 | 4:13a | 5:57a | 1:18p | 6:12p | 8:31p | 9:41p |
| Aug 21 | 4:15a | 5:59a | 1:18p | 6:10p | 8:29p | 9:39p |


| Aug 22 | 4:17a | 6:00a | 1:18p | 6:09p | 8:27p | 9:37p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:19a | 6:02a | 1:18p | 6:07p | 8:25p | 9:35p |
| Aug 24 | 4:21a | 6:04a | 1:17p | 6:06p | 8:22p | 9:33p |
| Aug 25 | 4:23a | 6:06a | 1:17p | 6:04p | 8:20p | 9:31p |
| Aug 26 | 4:25a | 6:07a | 1:17p | 6:02p | 8:18p | 9:28p |
| Aug 27 | 4:27a | 6:09a | 1:17p | 6:00p | 8:15p | 9:26p |
| Aug 28 | 4:29a | 6:11a | 1:16p | 5:59p | 8:13p | 9:24p |
| Aug 29 | 4:31a | 6:13a | 1:16p | 5:57p | 8:11p | 9:22p |
| Aug 30 | 4:33a | 6:14a | 1:16p | 5:55p | 8:08p | 9:20p |
| Aug 31 | 4:35a | 6:16a | 1:15p | 5:53p | 8:06p | 9:18p |
| Sep 1 | 4:37a | 6:18a | 1:15p | 5:52p | 8:04p | 9:16p |
| Sep 2 | 4:40a | 6:20a | 1:15p | 5:50p | 8:01p | 9:14p |
| Sep 3 | 4:42a | 6:21a | 1:14p | 5:48p | 7:59p | 9:12p |
| Sep 4 | 4:44a | 6:23a | 1:14p | 5:46p | 7:57p | 9:09p |
| Sep 5 | 4:46a | 6:25a | 1:14p | 5:44p | 7:54p | 9:07p |
| Sep 6 | 4:48a | 6:27a | 1:13p | 5:42p | 7:52p | 9:05p |
| Sep 7 | 4:50a | 6:28a | 1:13p | 5:40p | 7:49p | 9:03p |
| Sep 8 | 4:52a | 6:30a | 1:13p | 5:38p | 7:47p | 9:01p |
| Sep 9 | 4:54a | 6:32a | 1:12p | 5:37p | $7: 44 \mathrm{p}$ | 8:59p |
| Sep 10 | 4:56a | 6:34a | 1:12p | 5:35p | 7:42p | 8:56p |
| Sep 11 | 4:58a | 6:35a | 1:12p | 5:33p | 7:40p | 8:54p |
| Sep 12 | 5:00a | 6:37a | 1:11p | 5:31p | 7:37p | 8:52p |
| Sep 13 | 5:02a | 6:39a | 1:11p | 5:29p | 7:35p | 8:50p |
| Sep 14 | 5:04a | 6:41a | 1:11p | 5:27p | 7:32p | 8:48p |
| Sep 15 | 5:06a | 6:42a | 1:10p | 5:25p | 7:30p | 8:45p |
| Sep 16 | 5:08a | 6:44a | 1:10p | 5:23p | 7:27p | 8:43p |
| Sep 17 | 5:10a | 6:46a | 1:10p | 5:21p | 7:25p | 8:41p |
| Sep 18 | 5:12a | 6:48a | 1:09p | 5:19p | 7:22p | 8:39p |
| Sep 19 | 5:14a | 6:49a | 1:09p | 5:16p | 7:20p | 8:37p |
| Sep 20 | 5:17a | 6:51a | 1:08p | 5:14p | 7:17p | 8:34p |
| Sep 21 | 5:19a | 6:53a | 1:08p | 5:12p | 7:15p | 8:32p |
| Sep 22 | 5:21a | 6:55a | 1:08p | 5:10p | 7:12p | 8:30p |
| Sep 23 | 5:22a | 6:56a | 1:07p | 5:08p | 7:10p | 8:28p |
| Sep 24 | 5:24a | 6:58a | 1:07p | 5:06p | 7:08p | 8:25p |


| Sep 25 | 5:26a | 7:00a | 1:07p | 5:04p | 7:05p | 8:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:27a | 7:02a | 1:06p | 5:02p | 7:03p | 8:21p |
| Sep 27 | 5:29a | 7:03a | 1:06p | 5:00p | 7:00p | 8:19p |
| Sep 28 | 5:31a | 7:05a | 1:06p | 4:58p | 6:58p | 8:17p |
| Sep 29 | 5:32a | 7:07a | 1:05p | 4:56p | 6:55p | 8:14p |
| Sep 30 | 5:34a | 7:09a | 1:05p | 4:53p | 6:53p | 8:12p |
| Oct 1 | 5:36a | 7:11a | 1:05p | 4:51p | 6:50p | 8:10p |
| Oct 2 | 5:37a | 7:12a | 1:04p | 4:49p | 6:48p | 8:08p |
| Oct 3 | 5:39a | 7:14a | 1:04p | 4:47p | 6:46p | 8:06p |
| Oct 4 | 5:41a | 7:16a | 1:04p | 4:45p | 6:43p | 8:04p |
| Oct 5 | 5:42a | 7:18a | 1:03p | 4:43p | 6:41p | 8:01p |
| Oct 6 | 5:44a | 7:19a | 1:03p | 4:41p | 6:38p | 7:59p |
| Oct 7 | 5:46a | 7:21a | 1:03p | 4:38p | 6:36p | 7:57p |
| Oct 8 | 5:48a | 7:23a | 1:03p | 4:36p | 6:34p | 7:55p |
| Oct 9 | 5:49a | 7:25a | 1:02p | $4: 34 \mathrm{p}$ | 6:31p | 7:53p |
| Oct 10 | 5:51a | 7:27a | 1:02p | 4:32p | 6:29p | 7:51p |
| Oct 11 | 5:53a | 7:29a | 1:02p | 4:30p | 6:27p | 7:49p |
| Oct 12 | 5:55a | 7:30a | 1:01p | 4:28p | 6:24p | 7:47p |
| Oct 13 | 5:56a | 7:32a | 1:01p | 4:26p | 6:22p | 7:44p |
| Oct 14 | 5:58a | 7:34a | 1:01p | $4: 24 \mathrm{p}$ | 6:20p | 7:42p |
| Oct 15 | 6:00a | 7:36a | 1:01p | 4:22p | 6:17p | 7:40p |
| Oct 16 | 6:02a | 7:38a | 1:00p | 4:19p | 6:15p | 7:38p |
| Oct 17 | 6:03a | 7:40a | 1:00p | 4:17p | 6:13p | 7:36p |
| Oct 18 | 6:05a | 7:42a | 1:00p | 4:15p | 6:10p | 7:34p |
| Oct 19 | 6:07a | 7:44a | 1:00p | 4:13p | 6:08p | 7:32p |
| Oct 20 | 6:09a | 7:45a | 1:00p | 4:11p | 6:06p | 7:30p |
| Oct 21 | 6:10a | 7:47a | 1:00p | 4:09p | 6:04p | 7:28p |
| Oct 22 | 6:12a | 7:49a | 12:59p | 4:07p | 6:02p | 7:26p |
| Oct 23 | 6:14a | 7:51a | 12:59p | 4:05p | 5:59p | 7:24p |
| Oct 24 | 6:16a | 7:53a | 12:59p | 4:03p | 5:57p | 7:23p |
| Oct 25 | 6:18a | 7:55a | 12:59p | 4:01p | 5:55p | 7:21p |
| Oct 26 | 6:19a | 7:57a | 12:59p | 3:59p | 5:53p | 7:19p |
| Oct 27 | 6:21a | 7:59a | 12:59p | 3:57p | 5:51p | 7:17p |
| Oct 28 | 5:23a | 7:01a | 11:59a | 2:55p | 4:49p | 6:15p |


| Oct 29 | 5:25a | 7:02a | 11:59a | 2:53p | 4:47p | 6:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:27a | 7:04a | 11:58a | 2:51p | 4:45p | 6:11p |
| Oct 31 | 5:29a | 7:06a | 11:58a | 2:49p | 4:43p | 6:10p |
| Nov 1 | 5:30a | 7:08a | 11:58a | 2:48p | 4:41p | 6:08p |
| Nov 2 | 5:32a | 7:10a | 11:58a | 2:46p | 4:39p | 6:06p |
| Nov 3 | 5:34a | 7:12a | 11:58a | 2:44p | 4:37p | 6:05p |
| Nov 4 | 5:36a | 7:14a | 11:58a | 2:42p | 4:35p | 6:03p |
| Nov 5 | 5:38a | 7:16a | 11:58a | 2:40p | 4:33p | 6:01p |
| Nov 6 | 5:39a | 7:18a | 11:58a | 2:39p | 4:31p | 6:00p |
| Nov 7 | 5:41a | 7:20a | 11:58a | 2:37p | 4:29p | 5:58p |
| Nov 8 | 5:43a | 7:22a | 11:58a | 2:35p | 4:28p | 5:57p |
| Nov 9 | 5:45a | 7:24a | 11:59a | 2:34p | 4:26p | 5:55p |
| Nov 10 | 5:47a | 7:25a | 11:59a | 2:32p | 4:24p | 5:54p |
| Nov 11 | 5:49a | 7:27a | 11:59a | 2:30p | 4:22p | 5:52p |
| Nov 12 | 5:50a | 7:29a | 11:59a | 2:29p | 4:21p | 5:51p |
| Nov 13 | 5:52a | 7:31a | 11:59a | 2:27p | 4:19p | 5:49p |
| Nov 14 | 5:54a | 7:33a | 11:59a | 2:26p | 4:18p | 5:48p |
| Nov 15 | 5:56a | 7:35a | 11:59a | 2:24p | 4:16p | 5:47p |
| Nov 16 | 5:57a | 7:37a | 11:59a | 2:23p | 4:14p | 5:45p |
| Nov 17 | 5:59a | 7:39a | 12:00n | 2:22p | 4:13p | 5:44p |
| Nov 18 | 6:01a | 7:41a | 12:00n | 2:20p | 4:12p | 5:43p |
| Nov 19 | 6:03a | 7:42a | 12:00n | 2:19p | 4:10p | 5:42p |
| Nov 20 | 6:04a | 7:44a | 12:00n | 2:18p | 4:09p | 5:41p |
| Nov 21 | 6:06a | 7:46a | 12:00n | 2:16p | 4:08p | 5:40p |
| Nov 22 | 6:08a | 7:48a | 12:01p | 2:15p | 4:06p | 5:39p |
| Nov 23 | 6:09a | 7:49a | 12:01p | 2:14p | 4:05p | 5:38p |
| Nov 24 | 6:11a | 7:51a | 12:01p | 2:13p | 4:04p | 5:37p |
| Nov 25 | 6:13a | 7:53a | 12:01p | 2:12p | 4:03p | 5:36p |
| Nov 26 | 6:14a | 7:55a | 12:02p | 2:11p | 4:02p | 5:35p |
| Nov 27 | 6:16a | 7:56a | 12:02p | 2:10p | 4:01p | 5:35p |
| Nov 28 | 6:17a | 7:58a | 12:02p | 2:09p | 4:00p | 5:34p |
| Nov 29 | 6:19a | 7:59a | 12:03p | 2:08p | 3:59p | 5:33p |
| Nov 30 | 6:20a | 8:01a | 12:03p | 2:08p | 3:58p | 5:33p |
| Dec 1 | 6:22a | 8:02a | 12:03p | 2:07p | 3:57p | 5:32p |


| Dec 2 | 6:23a | 8:04a | 12:04p | 2:06p | 3:57p | 5:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:24a | 8:05a | 12:04p | 2:06p | 3:56p | 5:31p |
| Dec 4 | 6:26a | 8:07a | 12:05p | 2:05p | 3:55p | 5:31p |
| Dec 5 | 6:27a | 8:08a | 12:05p | 2:04p | 3:55p | 5:31p |
| Dec 6 | 6:28a | 8:10a | 12:05p | 2:04p | 3:54p | 5:30p |
| Dec 7 | 6:29a | 8:11a | 12:06p | 2:04p | 3:54p | 5:30p |
| Dec 8 | 6:31a | 8:12a | 12:06p | 2:03p | 3:54p | 5:30p |
| Dec 9 | 6:32a | 8:13a | 12:07p | 2:03p | 3:53p | 5:30p |
| Dec 10 | 6:33a | 8:14a | 12:07p | 2:03p | 3:53p | 5:30p |
| Dec 11 | 6:34a | 8:16a | 12:08p | 2:03p | 3:53p | 5:30p |
| Dec 12 | 6:35a | 8:17a | 12:08p | 2:02p | 3:53p | 5:30p |
| Dec 13 | 6:36a | 8:18a | 12:09p | 2:02p | 3:53p | 5:30p |
| Dec 14 | 6:37a | 8:19a | 12:09p | 2:02p | 3:53p | 5:31p |
| Dec 15 | 6:37a | 8:20a | 12:09p | 2:02p | 3:53p | 5:31p |
| Dec 16 | 6:38a | 8:20a | 12:10p | 2:02p | 3:53p | 5:31p |
| Dec 17 | 6:39a | 8:21a | 12:10p | 2:03p | 3:53p | 5:31p |
| Dec 18 | 6:40a | 8:22a | 12:11p | 2:03p | 3:53p | 5:32p |
| Dec 19 | 6:40a | 8:23a | 12:11p | 2:03p | 3:54p | 5:32p |
| Dec 20 | 6:41a | 8:23a | 12:12p | 2:03p | 3:54p | 5:32p |
| Dec 21 | 6:41a | 8:24a | 12:12p | 2:04p | 3:54p | 5:33p |
| Dec 22 | 6:42a | 8:24a | 12:13p | 2:04p | 3:55p | 5:33p |
| Dec 23 | 6:42a | 8:25a | 12:13p | 2:05p | 3:55p | 5:34p |
| Dec 24 | 6:43a | 8:25a | 12:14p | 2:05p | 3:56p | 5:34p |
| Dec 25 | 6:43a | 8:26a | 12:14p | 2:06p | 3:57p | 5:35p |
| Dec 26 | 6:43a | 8:26a | 12:15p | 2:07p | 3:57p | 5:36p |
| Dec 27 | 6:44a | 8:26a | 12:15p | 2:07p | 3:58p | 5:37p |
| Dec 28 | 6:44a | 8:26a | 12:16p | 2:08p | 3:59p | 5:37p |
| Dec 29 | 6:44a | 8:26a | 12:16p | 2:09p | 4:00p | 5:38p |
| Dec 30 | 6:44a | 8:26a | 12:17p | 2:10p | 4:01p | 5:39p |
| Dec 31 | 6:44a | 8:26a | 12:17p | 2:11p | 4:02p | 5:40p |

## BRADFORD YORKSHIRE Lt=53:45N Lg= 1:50W GMT+ 0

Qiblah Compass=122:21E(2006.91)Qiblah from True North =119:09E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | $6: 43 \mathrm{a}$ |
| :--- | :--- |
| Jan 2 | $6: 43 \mathrm{a}$ |
| Jan 3 | $6: 43 \mathrm{a}$ |
| Jan 4 | $6: 43 \mathrm{a}$ |
| Jan 5 | $6: 42 \mathrm{a}$ |

8:25a 12:16p

| $2: 09 \mathrm{p}$ | $4: 00 \mathrm{p}$ | $5: 37 \mathrm{p}$ |
| :--- | :--- | :--- |
| $2: 10 \mathrm{p}$ | $4: 01 \mathrm{p}$ | $5: 38 \mathrm{p}$ |

8:25a $\quad 12: 16 p \quad 2: 10 p \quad 4: 01 p \quad 5: 38 p$
8:24a $\quad 12: 16 p \quad 2: 11 p \quad 4: 02 p \quad 5: 39 p$
8:24a $\quad 12: 17 p \quad 2: 12 p \quad 4: 03 p \quad 5: 40 p$

| Jan 6 | $6: 42 a$ |
| :--- | :--- |
| Jan 7 | $6: 42 \mathrm{a}$ |
| Jan 8 | $6: 41 \mathrm{a}$ |
| Jan 9 | $6: 41 \mathrm{a}$ |
| Jan 10 | $6: 40 \mathrm{a}$ |

Jan 11 6:39a
Jan 12 6:39a
Jan 13 6:38a
Jan 14 6:37a
Jan 15 6:36a
Jan 16 6:36a
Jan 17 6:35a

| Jan 18 | $6: 34 a$ |
| :--- | :--- |
| Jan 19 | $6: 33 a$ |

Jan 20 6:32a
Jan 21 6:30a
Jan 22 6:29a
8:09a $12: 24 \mathrm{p}$

| Jan 23 | $6: 28 \mathrm{a}$ | $8: 08 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 40 \mathrm{p}$ | $4: 34 \mathrm{p}$ | $6: 06 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 24 | $6: 27 \mathrm{a}$ | $8: 06 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 42 \mathrm{p}$ | $4: 36 \mathrm{p}$ | $6: 07 \mathrm{p}$ |
| Jan 25 | $6: 25 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $2: 44 \mathrm{p}$ | $4: 38 \mathrm{p}$ | $6: 09 \mathrm{p}$ |
| Jan 26 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 46 \mathrm{p}$ | $4: 40 \mathrm{p}$ | $6: 11 \mathrm{p}$ |
| Jan 27 | $6: 23 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 48 \mathrm{p}$ | $4: 42 \mathrm{p}$ | $6: 12 \mathrm{p}$ |
| Jan 28 | $6: 21 \mathrm{a}$ | $8: 01 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 49 \mathrm{p}$ | $4: 44 \mathrm{p}$ | $6: 14 \mathrm{p}$ |
| Jan 29 | $6: 20 \mathrm{a}$ | $7: 59 \mathrm{a}$ | $12: 25 \mathrm{p}$ | $2: 51 \mathrm{p}$ | $4: 45 \mathrm{p}$ | $6: 16 \mathrm{p}$ |


| Jan 30 | 6:18a | 7:57a | 12:25p | 2:53p | 4:47p | 6:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:17a | 7:56a | 12:26p | 2:55p | 4:49p | 6:19p |
| Feb 1 | 6:15a | 7:54a | 12:26p | 2:57p | 4:51p | 6:21p |
| Feb 2 | 6:14a | 7:52a | 12:26p | 2:59p | 4:53p | 6:23p |
| Feb 3 | 6:12a | 7:51a | 12:26p | 3:00p | 4:55p | 6:24p |
| Feb 4 | 6:10a | 7:49a | 12:26p | 3:02p | 4:57p | 6:26p |
| Feb 5 | 6:09a | 7:47a | 12:26p | 3:04p | 4:59p | 6:28p |
| Feb 6 | 6:07a | 7:45a | 12:26p | 3:06p | 5:01p | 6:30p |
| Feb 7 | 6:05a | 7:43a | 12:26p | 3:08p | 5:03p | 6:31p |
| Feb 8 | 6:03a | 7:41a | 12:26p | 3:10p | 5:05p | 6:33p |
| Feb 9 | 6:01a | 7:40a | 12:27p | 3:12p | 5:07p | 6:35p |
| Feb 10 | 6:00a | 7:38a | 12:27p | 3:13p | 5:09p | 6:37p |
| Feb 11 | 5:58a | 7:36a | 12:27p | 3:15p | 5:11p | 6:38p |
| Feb 12 | 5:56a | 7:34a | 12:27p | 3:17p | 5:13p | 6:40p |
| Feb 13 | 5:54a | 7:32a | 12:27p | 3:19p | 5:15p | 6:42p |
| Feb 14 | 5:52a | 7:30a | 12:27p | 3:21p | 5:17p | 6:44p |
| Feb 15 | 5:50a | 7:27a | 12:26p | 3:23p | 5:19p | 6:45p |
| Feb 16 | 5:48a | 7:25a | 12:26p | 3:24p | 5:21p | 6:47p |
| Feb 17 | 5:46a | 7:23a | 12:26p | 3:26p | 5:23p | 6:49p |
| Feb 18 | 5:44a | 7:21a | 12:26p | 3:28p | 5:25p | 6:51p |
| Feb 19 | 5:42a | 7:19a | 12:26p | 3:30p | 5:27p | 6:52p |
| Feb 20 | 5:40a | 7:17a | 12:26p | 3:32p | 5:29p | 6:54p |
| Feb 21 | 5:38a | 7:15a | 12:26p | 3:34p | 5:31p | 6:56p |
| Feb 22 | 5:36a | 7:12a | 12:26p | 3:35p | 5:33p | 6:58p |
| Feb 23 | 5:33a | 7:10a | 12:26p | 3:37p | 5:35p | 6:59p |
| Feb 24 | 5:31a | 7:08a | 12:26p | 3:39p | 5:37p | 7:01p |
| Feb 25 | 5:29a | 7:06a | 12:26p | 3:41p | 5:39p | 7:03p |
| Feb 26 | 5:27a | 7:03a | 12:25p | 3:42p | 5:41p | 7:04p |
| Feb 27 | 5:25a | 7:01a | 12:25p | 3:44p | 5:43p | 7:06p |
| Feb 28 | 5:23a | 6:59a | 12:25p | 3:46p | 5:45p | 7:08p |
| Mar 1 | 5:20a | 6:57a | 12:25p | 3:48p | 5:47p | 7:10p |
| Mar 2 | 5:18a | 6:54a | 12:25p | 3:49p | 5:49p | 7:11p |
| Mar 3 | 5:16a | 6:52a | 12:24p | 3:51p | 5:51p | 7:13p |
| Mar 4 | 5:14a | 6:50a | 12:24p | 3:53p | 5:53p | 7:15p |


| Mar 5 | 5:12a | 6:47a | 12:24p | 3:54p | 5:55p | 7:16p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:09a | 6:45a | 12:24p | 3:56p | 5:57p | 7:18p |
| Mar 7 | 5:07a | 6:42a | 12:24p | 3:58p | 5:58p | 7:20p |
| Mar 8 | 5:05a | 6:40a | 12:23p | 3:59p | 6:00p | 7:21p |
| Mar 9 | 5:02a | 6:38a | 12:23p | 4:01p | 6:02p | 7:23p |
| Mar 10 | 5:00a | 6:35a | 12:23p | 4:03p | 6:04p | 7:25p |
| Mar 11 | 4:58a | 6:33a | 12:23p | 4:04p | 6:06p | 7:26p |
| Mar 12 | 4:55a | 6:30a | 12:22p | 4:06p | 6:08p | 7:28p |
| Mar 13 | 4:53a | 6:28a | 12:22p | 4:07p | 6:10p | 7:29p |
| Mar 14 | 4:51a | 6:26a | 12:22p | 4:09p | 6:12p | 7:31p |
| Mar 15 | 4:48a | 6:23a | 12:21p | 4:10p | 6:14p | 7:33p |
| Mar 16 | 4:46a | 6:21a | 12:21p | 4:12p | 6:15p | 7:34p |
| Mar 17 | 4:44a | 6:18a | 12:21p | 4:14p | 6:17p | 7:36p |
| Mar 18 | 4:41a | 6:16a | 12:21p | 4:15p | 6:19p | 7:38p |
| Mar 19 | 4:39a | 6:13a | 12:20p | 4:17p | 6:21p | 7:39p |
| Mar 20 | 4:37a | 6:11a | 12:20p | 4:18p | 6:23p | 7:41p |
| Mar 21 | 4:34a | 6:08a | 12:20p | 4:20p | 6:25p | 7:42p |
| Mar 22 | 4:32a | 6:06a | 12:19p | 4:21p | 6:27p | 7:44p |
| Mar 23 | 4:29a | 6:04a | 12:19p | 4:22p | 6:29p | 7:46p |
| Mar 24 | 4:27a | 6:01a | 12:19p | 4:24p | 6:30p | 7:47p |
| Mar 25 | 5:24a | 6:59a | 1:19p | 5:25p | 7:32p | 8:49p |
| Mar 26 | 5:21a | 6:56a | 1:18p | 5:27p | 7:34p | 8:51p |
| Mar 27 | 5:18a | 6:54a | 1:18p | 5:28p | 7:36p | 8:52p |
| Mar 28 | 5:16a | 6:51a | 1:18p | 5:30p | 7:38p | 8:54p |
| Mar 29 | 5:13a | 6:49a | 1:17p | 5:31p | 7:40p | 8:55p |
| Mar 30 | 5:10a | 6:46a | 1:17p | 5:32p | 7:42p | 8:57p |
| Mar 31 | 5:07a | 6:44a | 1:17p | 5:34p | 7:43p | 8:59p |
| Apr 1 | 5:05a | 6:42a | 1:16p | 5:35p | 7:45p | 9:00p |
| Apr 2 | 5:02a | 6:39a | 1:16p | 5:37p | 7:47p | 9:02p |
| Apr 3 | 4:59a | 6:37a | 1:16p | 5:38p | 7:49p | 9:03p |
| Apr 4 | 4:56a | 6:34a | 1:16p | 5:39p | 7:51p | 9:05p |
| Apr 5 | 4:54a | 6:32a | 1:15p | 5:41p | 7:53p | 9:07p |
| Apr 6 | 4:51a | 6:29a | 1:15p | 5:42p | 7:54p | 9:08p |
| Apr 7 | 4:48a | 6:27a | 1:15p | 5:43p | 7:56p | 9:10p |


| Apr 8 | 4:45a | 6:25a | 1:14p | 5:45p | 7:58p | 9:11p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:43a | 6:22a | 1:14p | 5:46p | 8:00p | 9:13p |
| Apr 10 | 4:40a | 6:20a | 1:14p | 5:47p | 8:02p | $9: 15 p$ |
| Apr 11 | 4:37a | 6:17a | 1:14p | 5:48p | 8:04p | 9:16p |
| Apr 12 | 4:35a | 6:15a | 1:13p | 5:50p | 8:05p | 9:18p |
| Apr 13 | 4:32a | 6:13a | 1:13p | 5:51p | 8:07p | 9:19p |
| Apr 14 | 4:29a | 6:10a | 1:13p | 5:52p | 8:09p | 9:21p |
| Apr 15 | 4:27a | 6:08a | 1:13p | 5:54p | 8:11p | 9:22p |
| Apr 16 | 4:24a | 6:06a | 1:12p | 5:55p | 8:13p | 9:24p |
| Apr 17 | 4:22a | 6:03a | 1:12p | 5:56p | 8:15p | 9:26p |
| Apr 18 | 4:19a | 6:01a | 1:12p | 5:57p | 8:17p | 9:27p |
| Apr 19 | 4:16a | 5:59a | 1:12p | 5:58p | 8:18p | 9:29p |
| Apr 20 | 4:14a | 5:57a | 1:11p | 6:00p | 8:20p | 9:30p |
| Apr 21 | 4:11a | 5:54a | 1:11p | 6:01p | 8:22p | 9:32p |
| Apr 22 | 4:09a | 5:52a | 1:11p | 6:02p | 8:24p | 9:34p |
| Apr 23 | 4:06a | 5:50a | 1:11p | 6:03p | 8:26p | 9:35p |
| Apr 24 | 4:04a | 5:48a | 1:11p | 6:04p | 8:28p | 9:37p |
| Apr 25 | 4:01a | 5:46a | 1:10p | 6:06p | 8:29p | 9:38p |
| Apr 26 | 3:59a | 5:43a | 1:10p | 6:07p | 8:31p | 9:40p |
| Apr 27 | 3:56a | 5:41a | 1:10p | 6:08p | 8:33p | 9:42p |
| Apr 28 | 3:54a | 5:39a | 1:10p | 6:09p | 8:35p | 9:43p |
| Apr 29 | 3:51a | 5:37a | 1:10p | 6:10p | 8:37p | 9:45p |
| Apr 30 | 3:49a | 5:35a | 1:10p | 6:11p | 8:39p | 9:46p |
| May 1 | 3:47a | 5:33a | 1:10p | 6:13p | 8:40p | 9:48p |
| May 2 | 3:44a | 5:31a | 1:09p | 6:14p | 8:42p | 9:49p |
| May 3 | 3:42a | 5:29a | 1:09p | 6:15p | 8:44p | 9:51p |
| May 4 | 3:40a | 5:27a | 1:09p | 6:16p | 8:46p | 9:53p |
| May 5 | 3:37a | 5:25a | 1:09p | 6:17p | 8:48p | 9:54p |
| May 6 | 3:35a | 5:23a | 1:09p | 6:18p | 8:49p | 9:56p |
| May 7 | 3:33a | 5:21a | 1:09p | 6:19p | 8:51p | 9:57p |
| May 8 | 3:31a | 5:19a | 1:09p | 6:20p | 8:53p | 9:59p |
| May 9 | 3:28a | 5:17a | 1:09p | 6:21p | 8:55p | 10:01p |
| May 10 | 3:26a | 5:15a | 1:09p | 6:22p | 8:56p | 10:03p |
| May 11 | 3:24a | 5:13a | 1:09p | 6:23p | 8:58p | 10:06p |


| May 12 | 3:22a | 5:12a | 1:09p | 6:24p | 9:00p | 10:08p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:20a | 5:10a | 1:09p | 6:25p | 9:02p | 10:10p |
| May 14 | 3:18a | 5:08a | 1:09p | 6:26p | 9:03p | 10:12p |
| May 15 | 3:16a | 5:06a | 1:09p | 6:27p | 9:05p | 10:14p |
| May 16 | 3:14a | 5:05a | 1:09p | 6:28p | 9:07p | 10:16p |
| May 17 | 3:12a | 5:03a | 1:09p | 6:29p | 9:08p | 10:18p |
| May 18 | 3:10a | 5:02a | 1:09p | 6:30p | 9:10p | 10:19p |
| May 19 | 3:08a | 5:00a | 1:09p | 6:31p | 9:11p | 10:21p |
| May 20 | 3:07a | 4:59a | 1:09p | 6:32p | 9:13p | 10:23p |
| May 21 | 3:05a | 4:57a | 1:09p | 6:33p | 9:15p | 10:25p |
| May 22 | 3:03a | 4:56a | 1:09p | 6:34p | 9:16p | 10:27p |
| May 23 | 3:02a | 4:54a | 1:09p | 6:35p | 9:18p | 10:29p |
| May 24 | 3:00a | 4:53a | 1:09p | 6:36p | 9:19p | 10:31p |
| May 25 | 2:58a | 4:52a | 1:09p | 6:37p | 9:21p | 10:32p |
| May 26 | 2:57a | 4:51a | 1:09p | 6:37p | 9:22p | 10:34p |
| May 27 | 2:55a | 4:49a | 1:09p | 6:38p | 9:23p | 10:36p |
| May 28 | 2:54a | 4:48a | 1:09p | 6:39p | 9:25p | 10:38p |
| May 29 | 2:52a | 4:47a | 1:10p | 6:40p | 9:26p | 10:39p |
| May 30 | 2:51a | 4:46a | 1:10p | 6:41p | 9:27p | 10:41p |
| May 31 | 2:50a | 4:45a | 1:10p | 6:41p | 9:29p | 10:43p |
| Jun 1 | 2:48a | 4:44a | 1:10p | 6:42p | 9:30p | 10:44p |
| Jun 2 | 2:47a | 4:43a | 1:10p | 6:43p | 9:31p | 10:46p |
| Jun 3 | 2:46a | 4:42a | 1:10p | 6:43p | 9:32p | 10:47p |
| Jun 4 | 2:45a | 4:41a | 1:10p | 6:44p | 9:33p | 10:49p |
| Jun 5 | 2:44a | 4:41a | 1:11p | 6:45p | 9:34p | 10:50p |
| Jun 6 | 2:43a | 4:40a | 1:11p | 6:45p | 9:35p | 10:51p |
| Jun 7 | 2:42a | 4:39a | 1:11p | 6:46p | 9:36p | 10:53p |
| Jun 8 | 2:41a | 4:39a | 1:11p | 6:47p | 9:37p | 10:54p |
| Jun 9 | 2:40a | 4:38a | 1:11p | 6:47p | 9:38p | 10:55p |
| Jun 10 | 2:39a | 4:38a | 1:12p | 6:48p | 9:39p | 10:56p |
| Jun 11 | 2:39a | 4:37a | 1:12p | 6:48p | 9:40p | 10:57p |
| Jun 12 | 2:38a | 4:37a | 1:12p | 6:49p | 9:41p | 10:58p |
| Jun 13 | 2:37a | 4:37a | 1:12p | 6:49p | 9:41p | 10:59p |
| Jun 14 | 2:37a | 4:36a | 1:12p | 6:50p | 9:42p | 11:00p |


| Jun 15 | 2:36a | 4:36a | 1:13p | 6:50p | 9:43p | 11:01p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:36a | 4:36a | 1:13p | 6:50p | 9:43p | 11:02p |
| Jun 17 | 2:36a | 4:36a | 1:13p | 6:51p | 9:43p | 11:03p |
| Jun 18 | 2:35a | 4:36a | 1:13p | 6:51p | $9: 44 \mathrm{p}$ | 11:04p |
| Jun 19 | 2:35a | 4:36a | 1:13p | 6:51p | 9:44p | 11:04p |
| Jun 20 | 2:35a | 4:36a | 1:14p | 6:52p | 9:45p | 11:05p |
| Jun 21 | 2:35a | 4:36a | 1:14p | 6:52p | 9:45p | 11:05p |
| Jun 22 | 2:35a | 4:37a | 1:14p | 6:52p | 9:45p | 11:06p |
| Jun 23 | 2:35a | 4:37a | 1:14p | 6:52p | 9:45p | 11:06p |
| Jun 24 | 2:36a | 4:37a | 1:15p | 6:53p | 9:45p | 11:06p |
| Jun 25 | 2:36a | 4:38a | 1:15p | 6:53p | 9:45p | 11:05p |
| Jun 26 | 2:37a | 4:38a | 1:15p | 6:53p | 9:45p | 11:05p |
| Jun 27 | 2:38a | 4:38a | 1:15p | 6:53p | 9:45p | 11:04p |
| Jun 28 | 2:39a | 4:39a | 1:15p | 6:53p | 9:45p | 11:04p |
| Jun 29 | 2:40a | 4:40a | 1:16p | 6:53p | 9:45p | 11:03p |
| Jun 30 | 2:41a | 4:40a | 1:16p | 6:53p | 9:44p | 11:03p |
| Jul 1 | 2:42a | 4:41a | 1:16p | 6:53p | 9:44p | 11:02p |
| Jul 2 | 2:43a | 4:42a | 1:16p | 6:53p | 9:44p | 11:01p |
| Jul 3 | 2:44a | 4:42a | 1:16p | 6:53p | 9:43p | 11:01p |
| Jul 4 | 2:45a | 4:43a | 1:17p | 6:53p | 9:43p | 11:00p |
| Jul 5 | 2:46a | 4:44a | 1:17p | 6:52p | 9:42p | 10:59p |
| Jul 6 | 2:47a | 4:45a | 1:17p | 6:52p | 9:41p | 10:58p |
| Jul 7 | 2:49a | 4:46a | 1:17p | 6:52p | 9:41p | 10:57p |
| Jul 8 | 2:50a | 4:47a | 1:17p | 6:52p | 9:40p | 10:56p |
| Jul 9 | 2:51a | 4:48a | 1:17p | 6:51p | 9:39p | 10:55p |
| Jul 10 | 2:53a | 4:49a | 1:18p | 6:51p | 9:38p | 10:53p |
| Jul 11 | 2:54a | 4:50a | 1:18p | 6:51p | 9:37p | 10:52p |
| Jul 12 | 2:56a | 4:52a | 1:18p | 6:50p | 9:37p | 10:51p |
| Jul 13 | 2:57a | 4:53a | 1:18p | 6:50p | 9:36p | 10:50p |
| Jul 14 | 2:59a | 4:54a | 1:18p | 6:49p | 9:34p | 10:48p |
| Jul 15 | 3:00a | 4:55a | 1:18p | 6:49p | 9:33p | 10:47p |
| Jul 16 | 3:02a | 4:57a | 1:18p | 6:48p | 9:32p | 10:45p |
| Jul 17 | 3:04a | 4:58a | 1:18p | 6:48p | 9:31p | 10:44p |
| Jul 18 | 3:05a | 4:59a | 1:18p | 6:47p | 9:30p | 10:42p |


| Jul 19 | 3:07a | 5:01a | 1:19p | 6:46p | 9:28p | 10:41p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:09a | 5:02a | 1:19p | 6:46p | 9:27p | 10:39p |
| Jul 21 | 3:10a | 5:04a | 1:19p | 6:45p | 9:26p | 10:37p |
| Jul 22 | 3:12a | 5:05a | 1:19p | 6:44p | 9:24p | 10:36p |
| Jul 23 | 3:14a | 5:07a | 1:19p | 6:44p | 9:23p | 10:34p |
| Jul 24 | 3:16a | 5:08a | 1:19p | 6:43p | 9:21p | 10:32p |
| Jul 25 | 3:18a | 5:10a | 1:19p | 6:42p | 9:20p | 10:30p |
| Jul 26 | 3:20a | 5:11a | 1:19p | 6:41p | 9:18p | 10:28p |
| Jul 27 | 3:21a | 5:13a | 1:19p | 6:40p | 9:17p | 10:26p |
| Jul 28 | 3:23a | 5:14a | 1:19p | 6:39p | 9:15p | 10:24p |
| Jul 29 | 3:25a | 5:16a | 1:19p | 6:38p | 9:13p | 10:22p |
| Jul 30 | 3:27a | 5:18a | 1:19p | 6:37p | 9:12p | 10:20p |
| Jul 31 | 3:29a | 5:19a | 1:19p | 6:36p | 9:10p | 10:18p |
| Aug 1 | 3:31a | 5:21a | 1:19p | 6:35p | 9:08p | 10:16p |
| Aug 2 | 3:33a | 5:23a | 1:19p | 6:34p | 9:06p | 10:14p |
| Aug 3 | 3:35a | 5:24a | 1:19p | 6:33p | 9:05p | 10:12p |
| Aug 4 | 3:37a | 5:26a | 1:18p | 6:32p | 9:03p | 10:10p |
| Aug 5 | 3:39a | 5:28a | 1:18p | 6:31p | 9:01p | 10:07p |
| Aug 6 | 3:41a | 5:29a | 1:18p | 6:29p | 8:59p | 10:05p |
| Aug 7 | 3:43a | 5:31a | 1:18p | 6:28p | 8:57p | 10:03p |
| Aug 8 | 3:45a | 5:33a | 1:18p | 6:27p | 8:55p | 10:01p |
| Aug 9 | 3:47a | 5:35a | 1:18p | 6:26p | 8:53p | 9:59p |
| Aug 10 | 3:49a | 5:36a | 1:18p | 6:24p | 8:51p | 9:58p |
| Aug 11 | 3:51a | 5:38a | 1:18p | 6:23p | 8:49p | 9:56p |
| Aug 12 | 3:53a | 5:40a | 1:18p | 6:22p | 8:47p | 9:54p |
| Aug 13 | 3:55a | 5:42a | 1:17p | 6:20p | 8:45p | 9:52p |
| Aug 14 | 3:58a | 5:43a | 1:17p | 6:19p | 8:43p | 9:50p |
| Aug 15 | 4:00a | 5:45a | 1:17p | 6:17p | 8:40p | 9:48p |
| Aug 16 | 4:02a | 5:47a | 1:17p | 6:16p | 8:38p | 9:47p |
| Aug 17 | 4:04a | 5:49a | 1:17p | 6:14p | 8:36p | 9:45p |
| Aug 18 | 4:06a | 5:50a | 1:16p | 6:13p | 8:34p | 9:43p |
| Aug 19 | 4:08a | 5:52a | 1:16p | 6:11p | 8:32p | 9:41p |
| Aug 20 | 4:10a | 5:54a | 1:16p | 6:10p | 8:29p | 9:39p |
| Aug 21 | 4:12a | 5:56a | 1:16p | 6:08p | 8:27p | 9:37p |


| Aug 22 | 4:14a | 5:57a | 1:15p | 6:07p | 8:25p | 9:35p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:16a | 5:59a | 1:15p | 6:05p | 8:23p | 9:33p |
| Aug 24 | 4:18a | 6:01a | 1:15p | 6:03p | 8:20p | 9:31p |
| Aug 25 | 4:20a | 6:03a | 1:15p | 6:02p | 8:18p | 9:28p |
| Aug 26 | 4:22a | 6:05a | 1:14p | 6:00p | 8:16p | 9:26p |
| Aug 27 | 4:24a | 6:06a | 1:14p | 5:58p | 8:13p | 9:24p |
| Aug 28 | 4:26a | 6:08a | 1:14p | 5:56p | 8:11p | 9:22p |
| Aug 29 | 4:28a | 6:10a | 1:14p | 5:55p | 8:09p | 9:20p |
| Aug 30 | 4:31a | 6:12a | 1:13p | 5:53p | 8:06p | 9:18p |
| Aug 31 | 4:33a | 6:13a | 1:13p | 5:51p | 8:04p | 9:16p |
| Sep 1 | 4:35a | 6:15a | 1:13p | 5:49p | 8:02p | 9:14p |
| Sep 2 | 4:37a | 6:17a | 1:12p | 5:47p | 7:59p | 9:12p |
| Sep 3 | 4:39a | 6:19a | 1:12p | 5:46p | 7:57p | 9:09p |
| Sep 4 | 4:41a | 6:20a | 1:12p | 5:44p | 7:54p | 9:07p |
| Sep 5 | 4:43a | 6:22a | 1:11p | 5:42p | 7:52p | 9:05p |
| Sep 6 | 4:45a | 6:24a | 1:11p | 5:40p | 7:50p | 9:03p |
| Sep 7 | 4:47a | 6:26a | 1:11p | 5:38p | 7:47p | 9:01p |
| Sep 8 | 4:49a | 6:27a | 1:10p | 5:36p | 7:45p | 8:59p |
| Sep 9 | 4:51a | 6:29a | 1:10p | 5:34p | 7:42p | 8:56p |
| Sep 10 | 4:53a | 6:31a | 1:10p | 5:32p | 7:40p | 8:54p |
| Sep 11 | 4:55a | 6:33a | 1:09p | 5:30p | 7:37p | 8:52p |
| Sep 12 | 4:57a | 6:34a | 1:09p | 5:28p | 7:35p | 8:50p |
| Sep 13 | 5:00a | 6:36a | 1:09p | 5:26p | 7:32p | 8:48p |
| Sep 14 | 5:02a | 6:38a | 1:08p | 5:24p | 7:30p | 8:45p |
| Sep 15 | 5:04a | 6:40a | 1:08p | 5:22p | 7:27p | 8:43p |
| Sep 16 | 5:06a | 6:42a | 1:07p | 5:20p | 7:25p | 8:41p |
| Sep 17 | 5:08a | 6:43a | 1:07p | 5:18p | 7:22p | 8:39p |
| Sep 18 | 5:10a | 6:45a | 1:07p | 5:16p | 7:20p | 8:36p |
| Sep 19 | 5:12a | 6:47a | 1:06p | 5:14p | 7:18p | 8:34p |
| Sep 20 | 5:14a | 6:49a | 1:06p | 5:12p | 7:15p | 8:32p |
| Sep 21 | 5:16a | 6:50a | 1:06p | 5:10p | 7:13p | 8:30p |
| Sep 22 | 5:18a | 6:52a | 1:05p | 5:08p | 7:10p | 8:28p |
| Sep 23 | 5:20a | 6:54a | 1:05p | 5:06p | 7:08p | 8:25p |
| Sep 24 | 5:22a | 6:56a | 1:05p | 5:03p | 7:05p | 8:23p |
| 169 |  |  |  |  |  |  |


| Sep 25 | 5:23a | 6:57a | 1:04p | 5:01p | 7:03p | 8:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:25a | 6:59a | 1:04p | 4:59p | 7:00p | 8:19p |
| Sep 27 | 5:27a | 7:01a | 1:04p | 4:57p | 6:58p | 8:16p |
| Sep 28 | 5:28a | 7:03a | 1:03p | 4:55p | 6:55p | 8:14p |
| Sep 29 | 5:30a | 7:05a | 1:03p | 4:53p | 6:53p | 8:12p |
| Sep 30 | 5:32a | 7:06a | 1:03p | 4:51p | 6:50p | 8:10p |
| Oct 1 | 5:33a | 7:08a | 1:02p | 4:49p | 6:48p | 8:08p |
| Oct 2 | 5:35a | 7:10a | 1:02p | 4:46p | 6:46p | 8:05p |
| Oct 3 | 5:37a | 7:12a | 1:02p | 4:44p | 6:43p | 8:03p |
| Oct 4 | 5:38a | 7:14a | 1:01p | 4:42p | 6:41p | 8:01p |
| Oct 5 | 5:40a | 7:15a | 1:01p | 4:40p | 6:38p | 7:59p |
| Oct 6 | 5:42a | 7:17a | 1:01p | 4:38p | 6:36p | 7:57p |
| Oct 7 | 5:44a | 7:19a | 1:00p | 4:36p | 6:33p | 7:55p |
| Oct 8 | 5:45a | 7:21a | 1:00p | 4:34p | 6:31p | 7:52p |
| Oct 9 | 5:47a | 7:23a | 1:00p | 4:31p | 6:29p | 7:50p |
| Oct 10 | 5:49a | 7:25a | 1:00p | 4:29p | 6:26p | 7:48p |
| Oct 11 | 5:51a | 7:26a | 12:59p | 4:27p | 6:24p | 7:46p |
| Oct 12 | 5:52a | 7:28a | 12:59p | 4:25p | 6:22p | 7:44p |
| Oct 13 | 5:54a | 7:30a | 12:59p | 4:23p | 6:19p | 7:42p |
| Oct 14 | 5:56a | 7:32a | 12:59p | 4:21p | 6:17p | 7:40p |
| Oct 15 | 5:58a | 7:34a | 12:58p | 4:19p | 6:15p | 7:38p |
| Oct 16 | 5:59a | 7:36a | 12:58p | 4:17p | 6:12p | 7:36p |
| Oct 17 | 6:01a | 7:38a | 12:58p | 4:14p | 6:10p | 7:34p |
| Oct 18 | 6:03a | 7:40a | 12:58p | 4:12p | 6:08p | 7:32p |
| Oct 19 | 6:05a | 7:41a | 12:57p | 4:10p | 6:05p | 7:30p |
| Oct 20 | 6:07a | 7:43a | 12:57p | 4:08p | 6:03p | 7:28p |
| Oct 21 | 6:08a | 7:45a | 12:57p | 4:06p | 6:01p | 7:26p |
| Oct 22 | 6:10a | 7:47a | 12:57p | 4:04p | 5:59p | 7:24p |
| Oct 23 | 6:12a | 7:49a | 12:57p | 4:02p | 5:57p | 7:22p |
| Oct 24 | 6:14a | 7:51a | 12:57p | 4:00p | 5:54p | 7:20p |
| Oct 25 | 6:16a | 7:53a | 12:57p | 3:58p | 5:52p | 7:18p |
| Oct 26 | 6:17a | 7:55a | 12:56p | 3:56p | 5:50p | 7:16p |
| Oct 27 | 6:19a | 7:57a | 12:56p | 3:54p | 5:48p | 7:14p |
| Oct 28 | 5:21a | 6:59a | 11:56a | 2:52p | 4:46p | 6:12p |


| Oct 29 | 5:23a | 7:01a | 11:56a | 2:50p | 4:44p | 6:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:25a | 7:02a | 11:56a | 2:48p | 4:42p | 6:09p |
| Oct 31 | 5:27a | 7:04a | 11:56a | 2:46p | 4:40p | 6:07p |
| Nov 1 | 5:28a | 7:06a | 11:56a | 2:45p | 4:38p | 6:05p |
| Nov 2 | 5:30a | 7:08a | 11:56a | 2:43p | 4:36p | 6:03p |
| Nov 3 | 5:32a | 7:10a | 11:56a | 2:41p | 4:34p | 6:02p |
| Nov 4 | 5:34a | 7:12a | 11:56a | 2:39p | 4:32p | 6:00p |
| Nov 5 | 5:36a | 7:14a | 11:56a | 2:37p | 4:30p | 5:58p |
| Nov 6 | 5:38a | 7:16a | 11:56a | 2:36p | 4:28p | 5:57p |
| Nov 7 | 5:39a | 7:18a | 11:56a | 2:34p | 4:26p | 5:55p |
| Nov 8 | 5:41a | 7:20a | 11:56a | 2:32p | 4:25p | 5:54p |
| Nov 9 | 5:43a | 7:22a | 11:56a | 2:30p | 4:23p | 5:52p |
| Nov 10 | 5:45a | 7:24a | 11:56a | 2:29p | 4:21p | 5:51p |
| Nov 11 | 5:47a | 7:26a | 11:56a | 2:27p | 4:19p | 5:49p |
| Nov 12 | 5:48a | 7:28a | 11:56a | 2:26p | 4:18p | 5:48p |
| Nov 13 | 5:50a | 7:29a | 11:57a | 2:24p | 4:16p | 5:46p |
| Nov 14 | 5:52a | 7:31a | 11:57a | 2:23p | $4: 14 \mathrm{p}$ | 5:45p |
| Nov 15 | 5:54a | 7:33a | 11:57a | 2:21p | 4:13p | 5:44p |
| Nov 16 | 5:56a | 7:35a | 11:57a | 2:20p | 4:11p | 5:42p |
| Nov 17 | 5:57a | 7:37a | 11:57a | 2:18p | 4:10p | 5:41p |
| Nov 18 | 5:59a | 7:39a | 11:57a | 2:17p | 4:09p | 5:40p |
| Nov 19 | 6:01a | 7:41a | 11:58a | 2:16p | 4:07p | 5:39p |
| Nov 20 | 6:03a | 7:42a | 11:58a | 2:14p | 4:06p | 5:38p |
| Nov 21 | 6:04a | 7:44a | 11:58a | 2:13p | 4:04p | 5:37p |
| Nov 22 | 6:06a | 7:46a | 11:58a | 2:12p | 4:03p | 5:36p |
| Nov 23 | 6:08a | 7:48a | 11:59a | 2:11p | 4:02p | 5:35p |
| Nov 24 | 6:09a | 7:50a | 11:59a | 2:10p | 4:01p | 5:34p |
| Nov 25 | 6:11a | 7:51a | 11:59a | 2:09p | 4:00p | 5:33p |
| Nov 26 | 6:12a | 7:53a | 11:59a | 2:08p | 3:59p | 5:32p |
| Nov 27 | 6:14a | 7:55a | 12:00n | 2:07p | 3:58p | 5:32p |
| Nov 28 | 6:16a | 7:56a | 12:00n | 2:06p | 3:57p | 5:31p |
| Nov 29 | 6:17a | 7:58a | 12:00n | 2:05p | 3:56p | 5:30p |
| Nov 30 | 6:19a | 7:59a | 12:01p | 2:04p | 3:55p | 5:30p |
| Dec 1 | 6:20a | 8:01a | 12:01p | 2:04p | 3:54p | 5:29p |


| Dec 2 | 6:21a | 8:02a | 12:01p | 2:03p | 3:53p | 5:29p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:23a | 8:04a | 12:02p | 2:02p | 3:53p | 5:28p |
| Dec 4 | 6:24a | 8:05a | 12:02p | 2:02p | 3:52p | 5:28p |
| Dec 5 | 6:25a | 8:07a | 12:03p | 2:01p | 3:52p | 5:27p |
| Dec 6 | 6:27a | 8:08a | 12:03p | 2:01p | 3:51p | 5:27p |
| Dec 7 | 6:28a | 8:09a | 12:03p | 2:00p | 3:51p | 5:27p |
| Dec 8 | 6:29a | 8:11a | 12:04p | 2:00p | 3:50p | 5:27p |
| Dec 9 | 6:30a | 8:12a | 12:04p | 2:00p | 3:50p | 5:27p |
| Dec 10 | 6:31a | 8:13a | 12:05p | 1:59p | 3:50p | 5:27p |
| Dec 11 | 6:32a | 8:14a | 12:05p | 1:59p | 3:50p | 5:27p |
| Dec 12 | 6:33a | 8:15a | 12:06p | 1:59p | 3:49p | 5:27p |
| Dec 13 | 6:34a | 8:16a | 12:06p | 1:59p | 3:49p | 5:27p |
| Dec 14 | 6:35a | 8:17a | 12:07p | 1:59p | 3:49p | 5:27p |
| Dec 15 | 6:36a | 8:18a | 12:07p | 1:59p | 3:49p | 5:28p |
| Dec 16 | 6:37a | 8:19a | 12:08p | 1:59p | 3:49p | 5:28p |
| Dec 17 | 6:37a | 8:20a | 12:08p | 1:59p | 3:50p | 5:28p |
| Dec 18 | 6:38a | 8:21a | 12:09p | 1:59p | 3:50p | 5:28p |
| Dec 19 | 6:39a | 8:21a | 12:09p | 2:00p | 3:50p | 5:29p |
| Dec 20 | 6:39a | 8:22a | 12:10p | 2:00p | 3:51p | 5:29p |
| Dec 21 | 6:40a | 8:23a | 12:10p | 2:00p | 3:51p | 5:29p |
| Dec 22 | 6:40a | 8:23a | 12:11p | 2:01p | 3:51p | 5:30p |
| Dec 23 | 6:41a | 8:24a | 12:11p | 2:01p | 3:52p | 5:31p |
| Dec 24 | 6:41a | 8:24a | 12:12p | 2:02p | 3:53p | 5:31p |
| Dec 25 | 6:42a | 8:24a | 12:12p | 2:03p | 3:53p | 5:32p |
| Dec 26 | 6:42a | 8:25a | 12:12p | 2:03p | 3:54p | 5:33p |
| Dec 27 | 6:42a | 8:25a | 12:13p | 2:04p | 3:55p | 5:33p |
| Dec 28 | 6:42a | 8:25a | 12:13p | 2:05p | 3:56p | 5:34p |
| Dec 29 | 6:42a | 8:25a | 12:14p | 2:06p | 3:57p | 5:35p |
| Dec 30 | 6:42a | 8:25a | 12:14p | 2:07p | 3:58p | 5:36p |
| Dec 31 | 6:42a | 8:25a | 12:15p | 2:07p | 3:59p | 5:37p |

## CARDIFF WALES Lt=51:30N Lg= 3:13W GMT +0

Qiblah Compass=119:00E(2006.91)Qiblah from True North =115:40E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $6: 38 \mathrm{a}$ |
| Jan 2 | $6: 38 \mathrm{a}$ |
| Jan 3 | $6: 38 \mathrm{a}$ |
| Jan 4 | $6: 37 \mathrm{a}$ |
| Jan 5 | $6: 37 \mathrm{a}$ |

Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 6 | $6: 37 a$ |
| :--- | :--- |
| Jan 7 | $6: 37 a$ |
| Jan 8 | $6: 36 a$ |
| Jan 9 | $6: 36 a$ |

Jan 10 6:36a

| Jan 11 | $6: 35 a$ |
| :--- | :--- |
| Jan 12 | $6: 35 a$ |

Jan 13 6:34a
Jan 14 6:33a
Jan 15 6:33a
Jan 16 6:32a
Jan 17 6:31a
Jan 18 6:30a
Jan 19 6:29a
Jan 20 6:28a
Jan 21 6:27a
Jan 22 6:26a

| $8: 18 a$ | 12 |
| :--- | :--- |
| $8: 18 a$ | 12 |

2:27p
$4: 17 \mathrm{p} \quad 5$ 5:54p
8:18a $12: 22 p$
2:28p
$4: 18 \mathrm{p} \quad 5: 54 \mathrm{p}$

| $8: 18 \mathrm{a}$ | $12: 22 \mathrm{p}$ |
| :--- | :--- |
| $8: 18 \mathrm{a}$ | 12.22 p |

$2: 29 \mathrm{p} \quad 4: 19 \mathrm{p} \quad 5: 55 \mathrm{p}$
8:18a $\quad 12: 23 p \quad 2: 31 p \quad 4: 22 p \quad 5: 57 p$
8:17a $\quad 12: 23 p \quad 2: 33 p \quad 4: 23 p \quad 5: 58 p$
8:17a $12: 24 \mathrm{p}$
2:34p $4: 24 \mathrm{p} \quad 5: 59 \mathrm{p}$
8:17a $12: 24 \mathrm{p}$
2:35p $4: 26 p \quad 6: 00 p$
$8: 16 a \quad 12: 25 p \quad 2: 36 p \quad 4: 27 p \quad 6: 01 p$
8:16a 12:25p 2:38p $4: 28 p \quad 6: 03 p$
8:15a $12: 25 p \quad 2: 39 p \quad 4: 30 p \quad 6: 04 p$
8:14a 12:26p
2:40p
4:31p 6:05p
8:14a $12: 26 p \quad 2: 42 p \quad 4: 33 p \quad 6: 06 p$
8:13a $12: 27 p \quad 2: 43 p \quad 4: 34 p \quad 6: 07 p$
8:12a $12: 27 \mathrm{p} \quad 2: 45 \mathrm{p} \quad 4: 36 \mathrm{p} \quad 6: 09 \mathrm{p}$
8:11a $\quad 12: 27$ p $2: 46 p \quad 4: 37 p \quad 6: 10 p$

8:10a $12: 28$ p
2:48p $\quad 4: 39 p \quad 6: 11 p$
8:09a $12: 28 p \quad 2: 49 p \quad 4: 40 p \quad 6: 13 p$
8:08a $\quad 12: 28 \mathrm{p} \quad 2: 51 \mathrm{p} \quad 4: 42 \mathrm{p} \quad 6: 14 \mathrm{p}$

| Jan 23 | $6: 25 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 29 \mathrm{p}$ | $2: 57 \mathrm{p}$ | $4: 49 \mathrm{p}$ | $6: 20 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 24 | $6: 24 \mathrm{a}$ | $8: 03 \mathrm{a}$ | $12: 30 \mathrm{p}$ | $2: 59 \mathrm{p}$ | $4: 51 \mathrm{p}$ | $6: 21 \mathrm{p}$ |
| Jan 25 | $6: 23 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 30 \mathrm{p}$ | $3: 00 \mathrm{p}$ | $4: 52 \mathrm{p}$ | $6: 23 \mathrm{p}$ |
| Jan 26 | $6: 22 \mathrm{a}$ | $8: 00 \mathrm{a}$ | $12: 30 \mathrm{p}$ | $3: 02 \mathrm{p}$ | $4: 54 \mathrm{p}$ | $6: 24 \mathrm{p}$ |
| Jan 27 | $6: 21 \mathrm{a}$ | $7: 59 \mathrm{a}$ | $12: 30 \mathrm{p}$ | $3: 04 \mathrm{p}$ | $4: 56 \mathrm{p}$ | $6: 26 \mathrm{p}$ |
| Jan 28 | $6: 19 \mathrm{a}$ | $7: 58 \mathrm{a}$ | $12: 31 \mathrm{p}$ | $3: 05 \mathrm{p}$ | $4: 58 \mathrm{p}$ | $6: 27 \mathrm{p}$ |
| Jan 29 | 6:18a | $7: 56 \mathrm{a}$ | $12: 31 \mathrm{p}$ | $3: 07 \mathrm{p}$ | $4: 59 \mathrm{p}$ | $6: 29 \mathrm{p}$ |


| Jan 30 | 6:17a | 7:55a | 12:31p | 3:09p | 5:01p | 6:31p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:15a | 7:53a | 12:31p | 3:10p | 5:03p | 6:32p |
| Feb 1 | 6:14a | 7:52a | 12:31p | 3:12p | 5:05p | 6:34p |
| Feb 2 | 6:12a | 7:50a | 12:31p | 3:14p | 5:06p | 6:35p |
| Feb 3 | 6:11a | 7:49a | 12:32p | 3:15p | 5:08p | 6:37p |
| Feb 4 | 6:10a | 7:47a | 12:32p | 3:17p | 5:10p | 6:38p |
| Feb 5 | 6:08a | 7:45a | 12:32p | 3:19p | 5:12p | 6:40p |
| Feb 6 | 6:06a | 7:44a | 12:32p | 3:21p | 5:14p | 6:42p |
| Feb 7 | 6:05a | 7:42a | 12:32p | 3:22p | 5:16p | 6:43p |
| Feb 8 | 6:03a | 7:40a | 12:32p | 3:24p | 5:17p | 6:45p |
| Feb 9 | 6:02a | 7:39a | 12:32p | 3:26p | 5:19p | 6:46p |
| Feb 10 | 6:00a | 7:37a | 12:32p | 3:27p | 5:21p | 6:48p |
| Feb 11 | 5:58a | 7:35a | 12:32p | 3:29p | 5:23p | 6:49p |
| Feb 12 | 5:56a | 7:33a | 12:32p | 3:31p | 5:25p | 6:51p |
| Feb 13 | 5:55a | 7:31a | 12:32p | 3:32p | 5:27p | 6:53p |
| Feb 14 | 5:53a | 7:29a | 12:32p | 3:34p | 5:28p | 6:54p |
| Feb 15 | 5:51a | 7:28a | 12:32p | 3:36p | 5:30p | 6:56p |
| Feb 16 | 5:49a | 7:26a | 12:32p | 3:38p | 5:32p | 6:57p |
| Feb 17 | 5:47a | 7:24a | 12:32p | 3:39p | 5:34p | 6:59p |
| Feb 18 | 5:45a | 7:22a | 12:32p | 3:41p | 5:36p | 7:01p |
| Feb 19 | 5:44a | 7:20a | 12:32p | 3:43p | 5:38p | 7:02p |
| Feb 20 | 5:42a | 7:18a | 12:32p | 3:44p | 5:39p | 7:04p |
| Feb 21 | 5:40a | 7:16a | 12:32p | 3:46p | 5:41p | 7:05p |
| Feb 22 | 5:38a | 7:14a | 12:31p | 3:48p | 5:43p | 7:07p |
| Feb 23 | 5:36a | 7:12a | 12:31p | 3:49p | 5:45p | 7:08p |
| Feb 24 | 5:34a | 7:10a | 12:31p | 3:51p | 5:47p | 7:10p |
| Feb 25 | 5:32a | 7:07a | 12:31p | 3:52p | 5:48p | 7:12p |
| Feb 26 | 5:30a | 7:05a | 12:31p | 3:54p | 5:50p | 7:13p |
| Feb 27 | 5:28a | 7:03a | 12:31p | 3:56p | 5:52p | 7:15p |
| Feb 28 | 5:26a | 7:01a | 12:31p | 3:57p | 5:54p | 7:16p |
| Mar 1 | 5:24a | 6:59a | 12:30p | 3:59p | 5:55p | 7:18p |
| Mar 2 | 5:22a | 6:57a | 12:30p | 4:00p | 5:57p | 7:19p |
| Mar 3 | 5:20a | 6:55a | 12:30p | 4:02p | 5:59p | 7:21p |
| Mar 4 | 5:18a | 6:53a | 12:30p | 4:03p | 6:01p | 7:22p |


| Mar 5 | 5:16a | 6:50a | 12:30p | 4:05p | 6:02p | 7:24p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:13a | 6:48a | 12:29p | 4:06p | 6:04p | 7:25p |
| Mar 7 | 5:11a | 6:46a | 12:29p | 4:08p | 6:06p | 7:27p |
| Mar 8 | 5:09a | 6:44a | 12:29p | 4:09p | 6:08p | 7:28p |
| Mar 9 | 5:07a | 6:41a | 12:29p | 4:11p | 6:09p | 7:30p |
| Mar 10 | 5:05a | 6:39a | 12:28p | 4:12p | 6:11p | 7:31p |
| Mar 11 | 5:03a | 6:37a | 12:28p | $4: 14 \mathrm{p}$ | 6:13p | 7:33p |
| Mar 12 | 5:01a | 6:35a | 12:28p | 4:15p | 6:15p | 7:34p |
| Mar 13 | 4:58a | 6:33a | 12:28p | 4:17p | 6:16p | 7:36p |
| Mar 14 | 4:56a | 6:30a | 12:27p | 4:18p | 6:18p | 7:37p |
| Mar 15 | 4:54a | 6:28a | 12:27p | 4:20p | 6:20p | 7:39p |
| Mar 16 | 4:52a | 6:26a | 12:27p | 4:21p | 6:21p | 7:40p |
| Mar 17 | 4:50a | 6:23a | 12:26p | $4: 22 \mathrm{p}$ | 6:23p | 7:42p |
| Mar 18 | 4:48a | 6:21a | 12:26p | 4:24p | 6:25p | 7:43p |
| Mar 19 | 4:45a | 6:19a | 12:26p | 4:25p | 6:27p | 7:45p |
| Mar 20 | 4:43a | 6:17a | 12:26p | 4:26p | 6:28p | 7:46p |
| Mar 21 | 4:41a | 6:14a | 12:25p | 4:28p | 6:30p | 7:47p |
| Mar 22 | 4:39a | 6:12a | 12:25p | 4:29p | 6:32p | 7:49p |
| Mar 23 | 4:36a | 6:10a | 12:25p | 4:30p | 6:33p | 7:50p |
| Mar 24 | 4:34a | 6:07a | 12:24p | 4:32p | 6:35p | 7:52p |
| Mar 25 | 5:31a | 7:05a | 1:24p | 5:33p | 7:37p | 8:53p |
| Mar 26 | 5:29a | 7:03a | 1:24p | 5:34p | 7:38p | 8:55p |
| Mar 27 | 5:26a | 7:01a | 1:24p | 5:36p | 7:40p | 8:56p |
| Mar 28 | 5:23a | 6:58a | 1:23p | 5:37p | 7:42p | 8:58p |
| Mar 29 | 5:21a | 6:56a | 1:23p | 5:38p | 7:43p | 8:59p |
| Mar 30 | 5:18a | 6:54a | 1:23p | 5:39p | 7:45p | 9:01p |
| Mar 31 | 5:16a | 6:52a | 1:22p | 5:41p | 7:47p | 9:02p |
| Apr 1 | 5:13a | 6:49a | 1:22p | 5:42p | 7:48p | 9:03p |
| Apr 2 | 5:11a | 6:47a | 1:22p | 5:43p | 7:50p | 9:05p |
| Apr 3 | 5:08a | 6:45a | 1:21p | 5:44p | 7:52p | 9:06p |
| Apr 4 | 5:06a | 6:43a | 1:21p | 5:46p | 7:54p | 9:08p |
| Apr 5 | 5:03a | 6:40a | 1:21p | 5:47p | 7:55p | 9:09p |
| Apr 6 | 5:00a | 6:38a | 1:21p | 5:48p | 7:57p | 9:11p |
| Apr 7 | 4:58a | 6:36a | 1:20p | 5:49p | 7:59p | 9:12p |


| Apr 8 | 4:55a | 6:34a | 1:20p | 5:50p | 8:00p | 9:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:53a | 6:31a | 1:20p | 5:52p | 8:02p | 9:15p |
| Apr 10 | 4:50a | 6:29a | 1:19p | 5:53p | 8:04p | 9:16p |
| Apr 11 | 4:48a | 6:27a | 1:19p | 5:54p | 8:05p | 9:18p |
| Apr 12 | 4:45a | 6:25a | 1:19p | 5:55p | 8:07p | 9:19p |
| Apr 13 | 4:43a | 6:22a | 1:19p | 5:56p | 8:09p | 9:21p |
| Apr 14 | 4:40a | 6:20a | 1:18p | 5:57p | 8:10p | 9:22p |
| Apr 15 | 4:38a | 6:18a | 1:18p | 5:58p | 8:12p | 9:23p |
| Apr 16 | 4:36a | 6:16a | 1:18p | 6:00p | 8:14p | 9:25p |
| Apr 17 | 4:33a | 6:14a | 1:18p | 6:01p | 8:15p | 9:26p |
| Apr 18 | 4:31a | 6:12a | 1:17p | 6:02p | 8:17p | 9:28p |
| Apr 19 | 4:28a | 6:10a | 1:17p | 6:03p | 8:19p | 9:29p |
| Apr 20 | 4:26a | 6:08a | 1:17p | 6:04p | 8:20p | 9:31p |
| Apr 21 | 4:23a | 6:05a | 1:17p | 6:05p | 8:22p | 9:32p |
| Apr 22 | 4:21a | 6:03a | 1:17p | 6:06p | 8:24p | 9:34p |
| Apr 23 | 4:19a | 6:01a | 1:16p | 6:07p | 8:25p | 9:35p |
| Apr 24 | 4:16a | 5:59a | 1:16p | 6:08p | 8:27p | 9:36p |
| Apr 25 | 4:14a | 5:57a | 1:16p | 6:09p | 8:29p | 9:38p |
| Apr 26 | 4:12a | 5:55a | 1:16p | 6:11p | 8:30p | 9:39p |
| Apr 27 | 4:10a | 5:53a | 1:16p | 6:12p | 8:32p | 9:41p |
| Apr 28 | 4:07a | 5:51a | 1:15p | 6:13p | 8:34p | 9:42p |
| Apr 29 | 4:05a | 5:49a | 1:15p | 6:14p | 8:35p | 9:43p |
| Apr 30 | 4:03a | 5:48a | 1:15p | 6:15p | 8:37p | 9:45p |
| May 1 | 4:01a | 5:46a | 1:15p | 6:16p | 8:39p | 9:46p |
| May 2 | 3:59a | 5:44a | 1:15p | 6:17p | 8:40p | 9:48p |
| May 3 | 3:56a | 5:42a | 1:15p | 6:18p | 8:42p | 9:49p |
| May 4 | 3:54a | 5:40a | 1:15p | 6:19p | 8:43p | 9:50p |
| May 5 | 3:52a | 5:38a | 1:15p | 6:20p | 8:45p | 9:52p |
| May 6 | 3:50a | 5:36a | 1:15p | 6:21p | 8:47p | 9:53p |
| May 7 | 3:48a | 5:35a | 1:14p | 6:22p | 8:48p | 9:55p |
| May 8 | 3:46a | 5:33a | 1:14p | 6:23p | 8:50p | 9:57p |
| May 9 | 3:44a | 5:31a | 1:14p | 6:24p | 8:51p | 9:58p |
| May 10 | 3:42a | 5:30a | 1:14p | 6:25p | 8:53p | 10:00p |
| May 11 | 3:40a | 5:28a | 1:14p | 6:25p | 8:55p | 10:02p |


| May 12 | 3:38a | 5:26a | 1:14p | 6:26p | 8:56p | 10:04p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:36a | 5:25a | 1:14p | 6:27p | 8:58p | 10:06p |
| May 14 | 3:35a | 5:23a | 1:14p | 6:28p | 8:59p | 10:08p |
| May 15 | 3:33a | 5:22a | 1:14p | 6:29p | 9:01p | 10:10p |
| May 16 | 3:31a | 5:20a | 1:14p | 6:30p | 9:02p | 10:11p |
| May 17 | 3:29a | 5:19a | 1:14p | 6:31p | 9:04p | 10:13p |
| May 18 | 3:28a | 5:17a | 1:14p | 6:32p | 9:05p | 10:15p |
| May 19 | 3:26a | 5:16a | 1:14p | 6:33p | 9:07p | 10:17p |
| May 20 | 3:24a | 5:15a | 1:14p | 6:33p | 9:08p | 10:18p |
| May 21 | 3:23a | 5:13a | 1:14p | 6:34p | 9:09p | 10:20p |
| May 22 | 3:21a | 5:12a | 1:14p | 6:35p | 9:11p | 10:22p |
| May 23 | 3:20a | 5:11a | 1:15p | 6:36p | 9:12p | 10:23p |
| May 24 | 3:18a | 5:10a | 1:15p | 6:37p | 9:13p | 10:25p |
| May 25 | 3:17a | 5:09a | 1:15p | 6:38p | 9:15p | 10:27p |
| May 26 | 3:15a | 5:07a | 1:15p | 6:38p | 9:16p | 10:28p |
| May 27 | 3:14a | 5:06a | 1:15p | 6:39p | 9:17p | 10:30p |
| May 28 | 3:13a | 5:05a | 1:15p | 6:40p | 9:19p | 10:31p |
| May 29 | 3:11a | 5:04a | 1:15p | 6:40p | 9:20p | 10:33p |
| May 30 | 3:10a | 5:03a | 1:15p | 6:41p | 9:21p | 10:34p |
| May 31 | 3:09a | 5:03a | 1:15p | 6:42p | 9:22p | 10:36p |
| Jun 1 | 3:08a | 5:02a | 1:16p | 6:43p | 9:23p | 10:37p |
| Jun 2 | 3:07a | 5:01a | 1:16p | 6:43p | 9:24p | 10:39p |
| Jun 3 | 3:06a | 5:00a | 1:16p | 6:44p | 9:25p | 10:40p |
| Jun 4 | 3:05a | 5:00a | 1:16p | 6:45p | 9:26p | 10:41p |
| Jun 5 | 3:04a | 4:59a | 1:16p | 6:45p | 9:27p | 10:43p |
| Jun 6 | 3:03a | 4:58a | 1:16p | 6:46p | 9:28p | 10:44p |
| Jun 7 | 3:02a | 4:58a | 1:17p | 6:46p | 9:29p | 10:45p |
| Jun 8 | 3:01a | 4:57a | 1:17p | 6:47p | 9:30p | 10:46p |
| Jun 9 | 3:01a | 4:57a | 1:17p | 6:47p | 9:31p | 10:47p |
| Jun 10 | 3:00a | 4:56a | 1:17p | 6:48p | 9:31p | 10:48p |
| Jun 11 | 2:59a | 4:56a | 1:17p | 6:48p | 9:32p | 10:49p |
| Jun 12 | 2:59a | 4:56a | 1:18p | 6:49p | 9:33p | 10:50p |
| Jun 13 | 2:58a | 4:56a | 1:18p | 6:49p | 9:33p | 10:51p |
| Jun 14 | 2:58a | 4:55a | 1:18p | 6:50p | 9:34p | 10:52p |


| Jun 15 | 2:57a | 4:55a | 1:18p | 6:50p | 9:35p | 10:53p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:57a | 4:55a | 1:18p | 6:50p | 9:35p | 10:54p |
| Jun 17 | 2:57a | 4:55a | 1:19p | 6:51p | 9:35p | 10:55p |
| Jun 18 | 2:56a | 4:55a | 1:19p | 6:51p | 9:36p | 10:55p |
| Jun 19 | 2:56a | 4:55a | 1:19p | 6:51p | 9:36p | 10:56p |
| Jun 20 | 2:56a | 4:55a | 1:19p | 6:52p | 9:37p | 10:57p |
| Jun 21 | 2:56a | 4:55a | 1:19p | 6:52p | 9:37p | 10:57p |
| Jun 22 | 2:56a | 4:56a | 1:20p | 6:52p | 9:37p | 10:58p |
| Jun 23 | 2:56a | 4:56a | 1:20p | 6:52p | 9:37p | 10:58p |
| Jun 24 | 2:57a | 4:56a | 1:20p | 6:53p | 9:37p | 10:57p |
| Jun 25 | 2:57a | 4:57a | 1:20p | 6:53p | 9:37p | 10:57p |
| Jun 26 | 2:58a | 4:57a | 1:21p | 6:53p | 9:37p | 10:57p |
| Jun 27 | 2:59a | 4:57a | 1:21p | 6:53p | 9:37p | 10:56p |
| Jun 28 | 3:00a | 4:58a | 1:21p | 6:53p | 9:37p | 10:56p |
| Jun 29 | 3:00a | 4:58a | 1:21p | 6:53p | 9:37p | 10:55p |
| Jun 30 | 3:01a | 4:59a | 1:21p | 6:53p | 9:37p | 10:55p |
| Jul 1 | 3:02a | 5:00a | 1:22p | 6:53p | 9:36p | 10:54p |
| Jul 2 | 3:03a | 5:00a | 1:22p | 6:53p | 9:36p | 10:54p |
| Jul 3 | 3:04a | 5:01a | 1:22p | 6:53p | 9:36p | 10:53p |
| Jul 4 | 3:05a | 5:02a | 1:22p | 6:53p | 9:35p | 10:52p |
| Jul 5 | 3:06a | 5:03a | 1:22p | 6:53p | 9:35p | 10:51p |
| Jul 6 | 3:08a | 5:04a | 1:22p | 6:52p | 9:34p | 10:50p |
| Jul 7 | 3:09a | 5:04a | 1:23p | 6:52p | 9:34p | 10:50p |
| Jul 8 | 3:10a | 5:05a | 1:23p | 6:52p | 9:33p | 10:49p |
| Jul 9 | 3:11a | 5:06a | 1:23p | 6:52p | 9:32p | 10:48p |
| Jul 10 | 3:13a | 5:07a | 1:23p | 6:51p | 9:31p | 10:47p |
| Jul 11 | 3:14a | 5:08a | 1:23p | 6:51p | 9:31p | 10:45p |
| Jul 12 | 3:15a | 5:09a | 1:23p | 6:51p | 9:30p | 10:44p |
| Jul 13 | 3:17a | 5:10a | 1:24p | 6:50p | 9:29p | 10:43p |
| Jul 14 | 3:18a | 5:12a | 1:24p | 6:50p | 9:28p | 10:42p |
| Jul 15 | 3:19a | 5:13a | 1:24p | 6:49p | 9:27p | 10:41p |
| Jul 16 | 3:21a | 5:14a | 1:24p | 6:49p | 9:26p | 10:39p |
| Jul 17 | 3:22a | 5:15a | 1:24p | 6:48p | 9:25p | 10:38p |
| Jul 18 | 3:24a | 5:16a | 1:24p | 6:48p | 9:24p | 10:37p |


| Jul 19 | 3:25a | 5:18a | 1:24p | 6:47p | 9:23p | 10:35p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:27a | 5:19a | 1:24p | 6:47p | 9:22p | 10:34p |
| Jul 21 | 3:29a | 5:20a | 1:24p | 6:46p | 9:20p | 10:32p |
| Jul 22 | 3:30a | 5:22a | 1:24p | 6:45p | 9:19p | 10:30p |
| Jul 23 | 3:32a | 5:23a | 1:24p | 6:45p | 9:18p | 10:29p |
| Jul 24 | 3:34a | 5:24a | 1:24p | 6:44p | 9:16p | 10:27p |
| Jul 25 | 3:35a | 5:26a | 1:24p | 6:43p | 9:15p | 10:26p |
| Jul 26 | 3:37a | 5:27a | 1:24p | 6:42p | 9:14p | 10:24p |
| Jul 27 | 3:39a | 5:29a | 1:24p | 6:42p | 9:12p | 10:22p |
| Jul 28 | 3:40a | 5:30a | 1:24p | 6:41p | 9:11p | 10:20p |
| Jul 29 | 3:42a | 5:31a | 1:24p | 6:40p | 9:09p | 10:18p |
| Jul 30 | 3:44a | 5:33a | 1:24p | 6:39p | 9:08p | 10:17p |
| Jul 31 | 3:46a | 5:34a | 1:24p | 6:38p | 9:06p | 10:15p |
| Aug 1 | 3:48a | 5:36a | 1:24p | 6:37p | 9:05p | 10:13p |
| Aug 2 | 3:49a | 5:37a | 1:24p | 6:36p | 9:03p | 10:11p |
| Aug 3 | 3:51a | 5:39a | 1:24p | 6:35p | 9:01p | 10:09p |
| Aug 4 | 3:53a | 5:40a | 1:24p | 6:34p | 9:00p | 10:07p |
| Aug 5 | 3:55a | 5:42a | 1:24p | 6:33p | 8:58p | 10:05p |
| Aug 6 | 3:57a | 5:44a | 1:24p | 6:32p | 8:56p | 10:03p |
| Aug 7 | 3:58a | 5:45a | 1:24p | 6:31p | 8:54p | 10:01p |
| Aug 8 | 4:00a | 5:47a | 1:24p | 6:30p | 8:52p | 9:59p |
| Aug 9 | 4:02a | 5:48a | 1:23p | 6:28p | 8:51p | 9:58p |
| Aug 10 | 4:04a | 5:50a | 1:23p | 6:27p | 8:49p | 9:56p |
| Aug 11 | 4:06a | 5:51a | 1:23p | 6:26p | 8:47p | 9:54p |
| Aug 12 | 4:08a | 5:53a | 1:23p | 6:25p | 8:45p | 9:53p |
| Aug 13 | 4:10a | 5:54a | 1:23p | 6:23p | 8:43p | 9:51p |
| Aug 14 | 4:11a | 5:56a | 1:23p | 6:22p | 8:41p | 9:49p |
| Aug 15 | 4:13a | 5:58a | 1:23p | 6:21p | 8:39p | 9:47p |
| Aug 16 | 4:15a | 5:59a | 1:22p | 6:19p | 8:37p | 9:46p |
| Aug 17 | 4:17a | 6:01a | 1:22p | 6:18p | 8:35p | $9: 44 \mathrm{p}$ |
| Aug 18 | 4:19a | 6:02a | 1:22p | 6:17p | 8:33p | 9:42p |
| Aug 19 | 4:21a | 6:04a | 1:22p | 6:15p | 8:31p | 9:40p |
| Aug 20 | 4:23a | 6:06a | 1:21p | 6:14p | 8:29p | 9:38p |
| Aug 21 | 4:25a | 6:07a | 1:21p | 6:12p | 8:27p | 9:37p |


| Aug 22 | 4:26a | 6:09a | 1:21p | 6:11p | 8:25p | 9:35p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:28a | 6:10a | 1:21p | 6:09p | 8:23p | 9:33p |
| Aug 24 | 4:30a | 6:12a | 1:20p | 6:08p | 8:21p | 9:31p |
| Aug 25 | 4:32a | 6:13a | 1:20p | 6:06p | 8:18p | 9:29p |
| Aug 26 | 4:34a | 6:15a | 1:20p | 6:04p | 8:16p | 9:27p |
| Aug 27 | 4:36a | 6:17a | 1:20p | 6:03p | 8:14p | 9:25p |
| Aug 28 | 4:38a | 6:18a | 1:19p | 6:01p | 8:12p | 9:23p |
| Aug 29 | 4:40a | 6:20a | 1:19p | 6:00p | 8:10p | 9:21p |
| Aug 30 | 4:42a | 6:21a | 1:19p | 5:58p | 8:08p | 9:19p |
| Aug 31 | 4:43a | 6:23a | 1:18p | 5:56p | 8:05p | 9:17p |
| Sep 1 | 4:45a | 6:25a | 1:18p | 5:55p | 8:03p | 9:16p |
| Sep 2 | 4:47a | 6:26a | 1:18p | 5:53p | 8:01p | 9:14p |
| Sep 3 | 4:49a | 6:28a | 1:17p | 5:51p | 7:59p | 9:12p |
| Sep 4 | 4:51a | 6:29a | 1:17p | 5:49p | 7:57p | 9:10p |
| Sep 5 | 4:53a | 6:31a | 1:17p | 5:48p | 7:54p | 9:08p |
| Sep 6 | 4:55a | 6:33a | 1:17p | 5:46p | 7:52p | 9:06p |
| Sep 7 | 4:57a | 6:34a | 1:16p | $5: 44 \mathrm{p}$ | 7:50p | 9:03p |
| Sep 8 | 4:59a | 6:36a | 1:16p | 5:42p | 7:47p | 9:01p |
| Sep 9 | 5:00a | 6:37a | 1:15p | 5:40p | $7: 45 \mathrm{p}$ | 8:59p |
| Sep 10 | 5:02a | 6:39a | 1:15p | 5:39p | 7:43p | 8:57p |
| Sep 11 | 5:04a | 6:41a | 1:15p | 5:37p | 7:41p | 8:55p |
| Sep 12 | 5:06a | 6:42a | 1:14p | 5:35p | $7: 38 \mathrm{p}$ | 8:53p |
| Sep 13 | 5:08a | 6:44a | 1:14p | 5:33p | 7:36p | 8:51p |
| Sep 14 | 5:10a | 6:45a | 1:14p | 5:31p | 7:34p | 8:49p |
| Sep 15 | 5:12a | 6:47a | 1:13p | 5:29p | 7:31p | 8:47p |
| Sep 16 | 5:14a | 6:49a | 1:13p | 5:27p | 7:29p | 8:45p |
| Sep 17 | 5:16a | 6:50a | 1:13p | 5:25p | 7:27p | 8:43p |
| Sep 18 | 5:17a | 6:52a | 1:12p | 5:23p | $7: 24 \mathrm{p}$ | 8:41p |
| Sep 19 | 5:19a | 6:53a | 1:12p | 5:22p | 7:22p | 8:39p |
| Sep 20 | 5:21a | 6:55a | 1:12p | 5:20p | 7:20p | 8:37p |
| Sep 21 | 5:23a | 6:57a | 1:11p | 5:18p | 7:18p | 8:35p |
| Sep 22 | 5:25a | 6:58a | 1:11p | 5:16p | 7:15p | 8:33p |
| Sep 23 | 5:26a | 7:00a | 1:11p | 5:14p | 7:13p | 8:30p |
| Sep 24 | 5:28a | 7:01a | 1:10p | 5:12p | 7:11p | 8:28p |


| Sep 25 | 5:29a | 7:03a | 1:10p | 5:10p | 7:08p | 8:26p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:31a | 7:05a | 1:09p | 5:08p | 7:06p | 8:24p |
| Sep 27 | 5:33a | 7:06a | 1:09p | 5:06p | 7:04p | 8:22p |
| Sep 28 | 5:34a | 7:08a | 1:09p | 5:04p | 7:01p | 8:20p |
| Sep 29 | 5:36a | 7:09a | 1:08p | 5:02p | 6:59p | 8:18p |
| Sep 30 | 5:37a | 7:11a | 1:08p | 5:00p | 6:57p | 8:16p |
| Oct 1 | 5:39a | 7:13a | 1:08p | 4:58p | 6:55p | 8:14p |
| Oct 2 | 5:40a | 7:14a | 1:07p | 4:56p | 6:52p | 8:12p |
| Oct 3 | 5:42a | 7:16a | 1:07p | 4:54p | 6:50p | 8:10p |
| Oct 4 | 5:43a | 7:18a | 1:07p | 4:52p | 6:48p | 8:08p |
| Oct 5 | 5:45a | 7:19a | 1:07p | 4:50p | 6:46p | 8:06p |
| Oct 6 | 5:46a | 7:21a | 1:06p | 4:48p | 6:43p | 8:04p |
| Oct 7 | 5:48a | 7:23a | 1:06p | 4:46p | 6:41p | 8:02p |
| Oct 8 | 5:50a | 7:24a | 1:06p | $4: 44 \mathrm{p}$ | 6:39p | 8:00p |
| Oct 9 | 5:51a | 7:26a | 1:05p | 4:42p | 6:37p | 7:58p |
| Oct 10 | 5:53a | 7:28a | 1:05p | 4:40p | 6:34p | 7:56p |
| Oct 11 | 5:54a | 7:29a | 1:05p | 4:38p | 6:32p | 7:54p |
| Oct 12 | 5:56a | 7:31a | 1:05p | 4:36p | 6:30p | 7:52p |
| Oct 13 | 5:57a | 7:33a | 1:04p | 4:34p | 6:28p | 7:50p |
| Oct 14 | 5:59a | 7:34a | 1:04p | 4:32p | 6:26p | 7:48p |
| Oct 15 | 6:01a | 7:36a | 1:04p | 4:30p | 6:24p | 7:46p |
| Oct 16 | 6:02a | 7:38a | 1:04p | 4:28p | 6:21p | 7:44p |
| Oct 17 | 6:04a | 7:39a | 1:03p | 4:26p | 6:19p | 7:43p |
| Oct 18 | 6:06a | 7:41a | 1:03p | 4:24p | 6:17p | 7:41p |
| Oct 19 | 6:07a | 7:43a | 1:03p | 4:22p | 6:15p | 7:39p |
| Oct 20 | 6:09a | 7:45a | 1:03p | 4:20p | 6:13p | 7:37p |
| Oct 21 | 6:10a | 7:46a | 1:03p | $4: 18 \mathrm{p}$ | 6:11p | 7:35p |
| Oct 22 | 6:12a | 7:48a | 1:02p | 4:17p | 6:09p | 7:33p |
| Oct 23 | 6:14a | 7:50a | 1:02p | $4: 15 \mathrm{p}$ | 6:07p | 7:32p |
| Oct 24 | 6:15a | 7:52a | 1:02p | 4:13p | 6:05p | 7:30p |
| Oct 25 | 6:17a | 7:53a | 1:02p | 4:11p | 6:03p | 7:28p |
| Oct 26 | 6:19a | 7:55a | 1:02p | 4:09p | 6:01p | 7:26p |
| Oct 27 | 6:20a | 7:57a | 1:02p | 4:07p | 5:59p | 7:25p |
| Oct 28 | 5:22a | 6:59a | 12:02p | 3:05p | 4:57p | 6:23p |


| Oct 29 | 5:24a | 7:00a | 12:02p | 3:04p | 4:55p | 6:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:25a | 7:02a | 12:02p | 3:02p | 4:53p | 6:20p |
| Oct 31 | 5:27a | 7:04a | 12:02p | 3:00p | 4:51p | 6:18p |
| Nov 1 | 5:29a | 7:06a | 12:01p | 2:58p | 4:50p | 6:16p |
| Nov 2 | 5:30a | 7:07a | 12:01p | 2:57p | 4:48p | 6:15p |
| Nov 3 | 5:32a | 7:09a | 12:01p | 2:55p | 4:46p | 6:13p |
| Nov 4 | 5:34a | 7:11a | 12:01p | 2:53p | 4:44p | 6:12p |
| Nov 5 | 5:35a | 7:13a | 12:01p | 2:52p | 4:43p | 6:10p |
| Nov 6 | 5:37a | 7:14a | 12:01p | 2:50p | 4:41p | 6:09p |
| Nov 7 | 5:39a | 7:16a | 12:02p | 2:49p | 4:39p | 6:07p |
| Nov 8 | 5:40a | 7:18a | 12:02p | 2:47p | 4:38p | 6:06p |
| Nov 9 | 5:42a | 7:20a | 12:02p | 2:45p | 4:36p | 6:05p |
| Nov 10 | 5:44a | 7:21a | 12:02p | 2:44p | 4:34p | 6:03p |
| Nov 11 | 5:45a | 7:23a | 12:02p | 2:42p | 4:33p | 6:02p |
| Nov 12 | 5:47a | 7:25a | 12:02p | 2:41p | 4:31p | 6:01p |
| Nov 13 | 5:49a | 7:27a | 12:02p | 2:40p | 4:30p | 6:00p |
| Nov 14 | 5:50a | 7:28a | 12:02p | 2:38p | 4:28p | 5:58p |
| Nov 15 | 5:52a | 7:30a | 12:02p | 2:37p | 4:27p | 5:57p |
| Nov 16 | 5:53a | 7:32a | 12:02p | 2:36p | 4:26p | 5:56p |
| Nov 17 | 5:55a | 7:34a | 12:03p | 2:34p | 4:24p | 5:55p |
| Nov 18 | 5:57a | 7:35a | 12:03p | 2:33p | 4:23p | 5:54p |
| Nov 19 | 5:58a | 7:37a | 12:03p | 2:32p | 4:22p | 5:53p |
| Nov 20 | 6:00a | 7:39a | 12:03p | 2:31p | 4:21p | 5:52p |
| Nov 21 | 6:01a | 7:40a | 12:04p | 2:30p | 4:20p | 5:51p |
| Nov 22 | 6:03a | 7:42a | 12:04p | 2:29p | 4:18p | 5:50p |
| Nov 23 | 6:04a | 7:43a | 12:04p | 2:28p | 4:17p | 5:49p |
| Nov 24 | 6:06a | 7:45a | 12:04p | 2:27p | 4:16p | 5:49p |
| Nov 25 | 6:07a | 7:47a | 12:05p | 2:26p | 4:15p | 5:48p |
| Nov 26 | 6:09a | 7:48a | 12:05p | 2:25p | 4:14p | 5:47p |
| Nov 27 | 6:10a | 7:50a | 12:05p | 2:24p | 4:14p | 5:47p |
| Nov 28 | 6:12a | 7:51a | 12:06p | 2:23p | 4:13p | 5:46p |
| Nov 29 | 6:13a | 7:53a | 12:06p | 2:23p | 4:12p | 5:46p |
| Nov 30 | 6:14a | 7:54a | 12:06p | 2:22p | 4:11p | 5:45p |
| Dec 1 | 6:16a | 7:56a | 12:07p | 2:21p | 4:11p | 5:45p |


| Dec 2 | 6:17a | 7:57a | 12:07p | 2:21p | 4:10p | 5:44p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:18a | 7:58a | 12:07p | 2:20p | 4:09p | 5:44p |
| Dec 4 | 6:20a | 8:00a | 12:08p | 2:20p | 4:09p | 5:44p |
| Dec 5 | 6:21a | 8:01a | 12:08p | 2:19p | 4:08p | 5:43p |
| Dec 6 | 6:22a | 8:02a | 12:09p | 2:19p | 4:08p | 5:43p |
| Dec 7 | 6:23a | 8:03a | 12:09p | 2:18p | 4:08p | 5:43p |
| Dec 8 | 6:24a | 8:05a | 12:09p | 2:18p | 4:07p | 5:43p |
| Dec 9 | 6:25a | 8:06a | 12:10p | 2:18p | 4:07p | 5:43p |
| Dec 10 | 6:26a | 8:07a | 12:10p | 2:18p | 4:07p | 5:43p |
| Dec 11 | 6:27a | 8:08a | 12:11p | 2:18p | 4:07p | 5:43p |
| Dec 12 | 6:28a | 8:09a | 12:11p | 2:17p | 4:07p | 5:43p |
| Dec 13 | 6:29a | 8:10a | 12:12p | 2:17p | 4:07p | 5:44p |
| Dec 14 | 6:30a | 8:11a | 12:12p | 2:17p | 4:07p | 5:44p |
| Dec 15 | 6:30a | 8:12a | 12:13p | 2:18p | 4:07p | 5:44p |
| Dec 16 | 6:31a | 8:12a | 12:13p | 2:18p | 4:07p | 5:45p |
| Dec 17 | 6:32a | 8:13a | 12:14p | 2:18p | 4:07p | 5:45p |
| Dec 18 | 6:32a | 8:14a | 12:14p | 2:18p | 4:08p | 5:45p |
| Dec 19 | 6:33a | 8:15a | 12:15p | 2:18p | 4:08p | 5:45p |
| Dec 20 | 6:34a | 8:15a | 12:15p | 2:19p | 4:08p | 5:46p |
| Dec 21 | 6:34a | 8:16a | 12:16p | 2:19p | 4:09p | 5:46p |
| Dec 22 | 6:35a | 8:16a | 12:16p | 2:20p | 4:09p | 5:47p |
| Dec 23 | 6:35a | 8:17a | 12:17p | 2:20p | 4:10p | 5:47p |
| Dec 24 | 6:36a | 8:17a | 12:17p | 2:21p | 4:10p | 5:48p |
| Dec 25 | 6:36a | 8:18a | 12:18p | 2:21p | 4:11p | 5:49p |
| Dec 26 | 6:36a | 8:18a | 12:18p | 2:22p | 4:12p | 5:49p |
| Dec 27 | 6:37a | 8:18a | 12:19p | 2:23p | 4:12p | 5:50p |
| Dec 28 | 6:37a | 8:18a | 12:19p | 2:23p | 4:13p | 5:51p |
| Dec 29 | 6:37a | 8:18a | 12:19p | 2:24p | 4:14p | 5:52p |
| Dec 30 | 6:37a | 8:19a | 12:20p | 2:25p | 4:15p | 5:53p |
| Dec 31 | 6:37a | 8:19a | 12:20p | 2:26p | 4:16p | 5:54p |

## CROYDON SURREY Lt=51:23N Lg= 0:06W GMT+ 0

Qiblah Compass=121:03E(2006.91)Qiblah from True North =118:55E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | $6: 25 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 09 \mathrm{p}$ | $2: 15 \mathrm{p}$ | $4: 05 \mathrm{p}$ | $5: 42 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 2 | $6: 25 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 09 \mathrm{p}$ | $2: 16 \mathrm{p}$ | $4: 06 \mathrm{p}$ | $5: 42 \mathrm{p}$ |

Jan $3 \quad$ 6:25a $\quad 8: 05 \mathrm{a} \quad 12: 10 \mathrm{p} \quad 2: 17 \mathrm{p} \quad 4: 08 \mathrm{p} \quad 5: 43 \mathrm{p}$

| Jan 4 | $6: 25 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 10 \mathrm{p}$ | $2: 18 \mathrm{p}$ | $4: 09 \mathrm{p}$ | $5: 44 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 5 | $6: 24 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 10 \mathrm{p}$ | $2: 20 \mathrm{p}$ | $4: 10 \mathrm{p}$ | $5: 45 \mathrm{p}$ |

Jan $6 \quad$ 6:24a $\quad 8: 04 a \quad 12: 11 p \quad 2: 21 p \quad 4: 11 p \quad 5: 46 p$

| Jan 7 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 11 \mathrm{p}$ | $2: 22 \mathrm{p}$ | $4: 12 \mathrm{p}$ | $5: 47 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 8 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 12 \mathrm{p}$ | $2: 23 \mathrm{p}$ | $4: 14 \mathrm{p}$ | $5: 48 \mathrm{p}$ |
| Jan 9 | $6: 23 \mathrm{a}$ | $8: 03 \mathrm{a}$ | $12: 12 \mathrm{p}$ | $2: 24 \mathrm{p}$ | $4: 15 \mathrm{p}$ | $5: 49 \mathrm{p}$ |

Jan $10 \quad$ 6:23a $\quad 8: 03 \mathrm{a} \quad 12: 13 \mathrm{p} \quad 2: 26 \mathrm{p} \quad 4: 16 \mathrm{p} \quad 5: 51 \mathrm{p}$

| Jan 11 | $6: 22 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 13 \mathrm{p}$ | $2: 27 \mathrm{p}$ | $4: 18 \mathrm{p}$ | $5: 52 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 12 | $6: 22 \mathrm{a}$ | $8: 01 \mathrm{a}$ | $12: 13 \mathrm{p}$ | $2: 28 \mathrm{p}$ | $4: 19 \mathrm{p}$ | $5: 53 \mathrm{p}$ |
| Jan 13 | $6: 21 \mathrm{a}$ | $8: 01 \mathrm{a}$ | $12: 14 \mathrm{p}$ | $2: 30 \mathrm{p}$ | $4: 21 \mathrm{p}$ | $5: 54 \mathrm{p}$ |
| Jan 14 | $6: 20 \mathrm{a}$ | $8: 00 \mathrm{a}$ | $12: 14 \mathrm{p}$ | $2: 31 \mathrm{p}$ | $4: 22 \mathrm{p}$ | $5: 55 \mathrm{p}$ |
| Jan 15 | $6: 20 \mathrm{a}$ | $7: 59 \mathrm{a}$ | $12: 15 \mathrm{p}$ | $2: 33 \mathrm{p}$ | $4: 24 \mathrm{p}$ | $5: 57 \mathrm{p}$ |
| Jan 16 | $6: 19 \mathrm{a}$ | $7: 58 \mathrm{a}$ | $12: 15 \mathrm{p}$ | $2: 34 \mathrm{p}$ | $4: 25 \mathrm{p}$ | $5: 58 \mathrm{p}$ |
| Jan 17 | 6:18a | $7: 57 \mathrm{a}$ | $12: 15 \mathrm{p}$ | $2: 36 \mathrm{p}$ | $4: 27 \mathrm{p}$ | $5: 59 \mathrm{p}$ |


| Jan 18 | $6: 17 \mathrm{a}$ | $7: 56 \mathrm{a}$ | $12: 16 \mathrm{p}$ | $2: 37 \mathrm{p}$ | $4: 28 \mathrm{p}$ | $6: 01 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 19 | $6: 16 \mathrm{a}$ | $7: 55 \mathrm{a}$ | $12: 16 \mathrm{p}$ | $2: 39 \mathrm{p}$ | $4: 30 \mathrm{p}$ | $6: 02 \mathrm{p}$ |

Jan $20 \quad$ 6:16a $\quad 7: 54 \mathrm{a} \quad 12: 16 \mathrm{p} \quad 2: 40 \mathrm{p} \quad 4: 32 \mathrm{p} \quad$ 6:03p

| Jan 21 | $6: 15 \mathrm{a}$ | $7: 53 \mathrm{a}$ | $12: 16 \mathrm{p}$ | $2: 42 \mathrm{p}$ | $4: 33 \mathrm{p}$ | $6: 05 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 22 | $6: 14 \mathrm{a}$ | $7: 52 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 43 \mathrm{p}$ | $4: 35 \mathrm{p}$ | $6: 06 \mathrm{p}$ |
| Jan 23 | $6: 12 \mathrm{a}$ | $7: 51 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 45 \mathrm{p}$ | $4: 37 \mathrm{p}$ | $6: 08 \mathrm{p}$ |
| Jan 24 | $6: 11 \mathrm{a}$ | $7: 50 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 47 \mathrm{p}$ | $4: 38 \mathrm{p}$ | $6: 09 \mathrm{p}$ |
| Jan 25 | $6: 10 \mathrm{a}$ | $7: 49 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 48 \mathrm{p}$ | $4: 40 \mathrm{p}$ | $6: 11 \mathrm{p}$ |
| Jan 26 | $6: 09 \mathrm{a}$ | $7: 47 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 50 \mathrm{p}$ | $4: 42 \mathrm{p}$ | $6: 12 \mathrm{p}$ |
| Jan 27 | $6: 08 \mathrm{a}$ | $7: 46 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 52 \mathrm{p}$ | $4: 44 \mathrm{p}$ | $6: 14 \mathrm{p}$ |
| Jan 28 | $6: 07 \mathrm{a}$ | $7: 45 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 53 \mathrm{p}$ | $4: 45 \mathrm{p}$ | $6: 15 \mathrm{p}$ |
| Jan 29 | $6: 05 \mathrm{a}$ | $7: 43 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 55 \mathrm{p}$ | $4: 47 \mathrm{p}$ | $6: 17 \mathrm{p}$ |


| Jan 30 | 6:04a | 7:42a | 12:19p | 2:57p | 4:49p | 6:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:03a | 7:40a | 12:19p | 2:58p | 4:51p | 6:20p |
| Feb 1 | 6:01a | 7:39a | 12:19p | 3:00p | 4:53p | 6:22p |
| Feb 2 | 6:00a | 7:37a | 12:19p | 3:02p | 4:54p | 6:23p |
| Feb 3 | 5:58a | 7:36a | 12:19p | 3:03p | 4:56p | 6:25p |
| Feb 4 | 5:57a | 7:34a | 12:19p | 3:05p | 4:58p | 6:26p |
| Feb 5 | 5:55a | 7:33a | 12:19p | 3:07p | 5:00p | 6:28p |
| Feb 6 | 5:54a | 7:31a | 12:19p | 3:09p | 5:02p | 6:29p |
| Feb 7 | 5:52a | 7:29a | 12:19p | 3:10p | 5:03p | 6:31p |
| Feb 8 | 5:50a | 7:28a | 12:20p | 3:12p | 5:05p | 6:33p |
| Feb 9 | 5:49a | 7:26a | 12:20p | $3: 14 \mathrm{p}$ | 5:07p | 6:34p |
| Feb 10 | 5:47a | 7:24a | 12:20p | $3: 15 p$ | 5:09p | 6:36p |
| Feb 11 | 5:45a | 7:22a | 12:20p | 3:17p | 5:11p | 6:37p |
| Feb 12 | 5:44a | 7:20a | 12:20p | 3:19p | 5:13p | 6:39p |
| Feb 13 | 5:42a | 7:19a | 12:20p | 3:20p | 5:14p | 6:40p |
| Feb 14 | 5:40a | 7:17a | 12:20p | 3:22p | 5:16p | 6:42p |
| Feb 15 | 5:38a | 7:15a | 12:20p | $3: 24 \mathrm{p}$ | 5:18p | 6:44p |
| Feb 16 | 5:36a | 7:13a | 12:20p | 3:25p | 5:20p | 6:45p |
| Feb 17 | 5:35a | 7:11a | 12:19p | 3:27p | 5:22p | 6:47p |
| Feb 18 | 5:33a | 7:09a | 12:19p | 3:29p | 5:23p | 6:48p |
| Feb 19 | 5:31a | 7:07a | 12:19p | 3:30p | 5:25p | 6:50p |
| Feb 20 | 5:29a | 7:05a | 12:19p | 3:32p | 5:27p | 6:51p |
| Feb 21 | 5:27a | 7:03a | 12:19p | $3: 34 \mathrm{p}$ | 5:29p | 6:53p |
| Feb 22 | 5:25a | 7:01a | 12:19p | 3:35p | 5:31p | 6:55p |
| Feb 23 | 5:23a | 6:59a | 12:19p | 3:37p | 5:32p | 6:56p |
| Feb 24 | 5:21a | 6:57a | 12:19p | 3:39p | 5:34p | 6:58p |
| Feb 25 | 5:19a | 6:55a | 12:19p | 3:40p | 5:36p | 6:59p |
| Feb 26 | 5:17a | 6:53a | 12:18p | 3:42p | 5:38p | 7:01p |
| Feb 27 | 5:15a | 6:51a | 12:18p | $3: 43 \mathrm{p}$ | 5:40p | 7:02p |
| Feb 28 | 5:13a | 6:49a | 12:18p | $3: 45 p$ | 5:41p | 7:04p |
| Mar 1 | 5:11a | 6:46a | 12:18p | $3: 47 \mathrm{p}$ | 5:43p | 7:05p |
| Mar 2 | 5:09a | 6:44a | 12:18p | $3: 48 \mathrm{p}$ | 5:45p | 7:07p |
| Mar 3 | 5:07a | 6:42a | 12:18p | 3:50p | 5:47p | 7:08p |
| Mar 4 | 5:05a | 6:40a | 12:17p | 3:51p | 5:48p | 7:10p |


| Mar 5 | 5:03a | 6:38a | 12:17p | 3:53p | 5:50p | 7:11p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:01a | 6:36a | 12:17p | 3:54p | 5:52p | 7:13p |
| Mar 7 | 4:59a | 6:33a | 12:17p | 3:56p | 5:54p | 7:14p |
| Mar 8 | 4:57a | 6:31a | 12:16p | 3:57p | 5:55p | 7:16p |
| Mar 9 | 4:55a | 6:29a | 12:16p | 3:59p | 5:57p | 7:17p |
| Mar 10 | 4:52a | 6:27a | 12:16p | 4:00p | 5:59p | 7:19p |
| Mar 11 | 4:50a | 6:24a | 12:16p | 4:02p | 6:00p | 7:20p |
| Mar 12 | 4:48a | 6:22a | 12:15p | 4:03p | 6:02p | 7:22p |
| Mar 13 | 4:46a | 6:20a | 12:15p | 4:04p | 6:04p | 7:23p |
| Mar 14 | 4:44a | 6:18a | 12:15p | 4:06p | 6:06p | 7:25p |
| Mar 15 | 4:42a | 6:15a | 12:15p | 4:07p | 6:07p | 7:26p |
| Mar 16 | 4:39a | 6:13a | 12:14p | 4:09p | 6:09p | 7:28p |
| Mar 17 | 4:37a | 6:11a | 12:14p | 4:10p | 6:11p | 7:29p |
| Mar 18 | 4:35a | 6:09a | 12:14p | 4:11p | 6:12p | 7:31p |
| Mar 19 | 4:33a | 6:06a | 12:13p | 4:13p | 6:14p | 7:32p |
| Mar 20 | 4:31a | 6:04a | 12:13p | 4:14p | 6:16p | 7:34p |
| Mar 21 | 4:29a | 6:02a | 12:13p | 4:15p | 6:17p | 7:35p |
| Mar 22 | 4:26a | 6:00a | 12:13p | 4:17p | 6:19p | 7:36p |
| Mar 23 | 4:24a | 5:57a | 12:12p | 4:18p | 6:21p | 7:38p |
| Mar 24 | 4:21a | 5:55a | 12:12p | 4:19p | 6:22p | 7:39p |
| Mar 25 | 5:19a | 6:53a | 1:12p | 5:21p | 7:24p | 8:41p |
| Mar 26 | 5:16a | 6:51a | 1:11p | 5:22p | 7:26p | 8:42p |
| Mar 27 | 5:14a | 6:48a | 1:11p | 5:23p | 7:28p | 8:44p |
| Mar 28 | 5:11a | 6:46a | 1:11p | 5:25p | 7:29p | 8:45p |
| Mar 29 | 5:09a | 6:44a | 1:10p | 5:26p | 7:31p | 8:47p |
| Mar 30 | 5:06a | 6:41a | 1:10p | 5:27p | 7:33p | 8:48p |
| Mar 31 | 5:03a | 6:39a | 1:10p | 5:28p | 7:34p | 8:49p |
| Apr 1 | 5:01a | 6:37a | 1:10p | 5:30p | 7:36p | 8:51p |
| Apr 2 | 4:58a | 6:35a | 1:09p | 5:31p | 7:38p | 8:52p |
| Apr 3 | 4:56a | 6:32a | 1:09p | 5:32p | 7:39p | 8:54p |
| Apr 4 | 4:53a | 6:30a | 1:09p | 5:33p | 7:41p | 8:55p |
| Apr 5 | 4:51a | 6:28a | 1:08p | 5:34p | 7:43p | 8:57p |
| Apr 6 | 4:48a | 6:26a | 1:08p | 5:36p | 7:44p | 8:58p |
| Apr 7 | 4:46a | 6:23a | 1:08p | 5:37p | 7:46p | 8:59p |
| 186 |  |  |  |  |  |  |


| Apr 8 | 4:43a | 6:21a | 1:07p | 5:38p | 7:48p | 9:01p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:41a | 6:19a | 1:07p | 5:39p | 7:49p | 9:02p |
| Apr 10 | 4:38a | 6:17a | 1:07p | 5:40p | 7:51p | 9:04p |
| Apr 11 | 4:36a | 6:15a | 1:07p | 5:41p | 7:53p | 9:05p |
| Apr 12 | 4:33a | 6:12a | 1:06p | 5:43p | 7:54p | 9:07p |
| Apr 13 | 4:31a | 6:10a | 1:06p | 5:44p | 7:56p | 9:08p |
| Apr 14 | 4:28a | 6:08a | 1:06p | 5:45p | 7:58p | 9:09p |
| Apr 15 | 4:26a | 6:06a | 1:06p | 5:46p | 7:59p | $9: 11 \mathrm{p}$ |
| Apr 16 | 4:23a | 6:04a | 1:05p | 5:47p | 8:01p | 9:12p |
| Apr 17 | 4:21a | 6:02a | 1:05p | 5:48p | 8:03p | $9: 14 \mathrm{p}$ |
| Apr 18 | 4:19a | 6:00a | 1:05p | 5:49p | 8:04p | 9:15p |
| Apr 19 | 4:16a | 5:57a | 1:05p | 5:50p | 8:06p | 9:16p |
| Apr 20 | 4:14a | 5:55a | 1:04p | 5:52p | 8:07p | 9:18p |
| Apr 21 | 4:11a | 5:53a | 1:04p | 5:53p | 8:09p | 9:19p |
| Apr 22 | 4:09a | 5:51a | 1:04p | 5:54p | 8:11p | 9:21p |
| Apr 23 | 4:07a | 5:49a | 1:04p | 5:55p | 8:12p | 9:22p |
| Apr 24 | 4:04a | 5:47a | 1:04p | 5:56p | 8:14p | 9:24p |
| Apr 25 | 4:02a | 5:45a | 1:04p | 5:57p | 8:16p | 9:25p |
| Apr 26 | 4:00a | 5:43a | 1:03p | 5:58p | 8:17p | 9:26p |
| Apr 27 | 3:58a | 5:41a | 1:03p | 5:59p | 8:19p | 9:28p |
| Apr 28 | 3:55a | 5:39a | 1:03p | 6:00p | 8:21p | 9:29p |
| Apr 29 | 3:53a | 5:37a | 1:03p | 6:01p | 8:22p | 9:31p |
| Apr 30 | 3:51a | 5:35a | 1:03p | 6:02p | 8:24p | 9:32p |
| May 1 | 3:49a | 5:34a | 1:03p | 6:03p | 8:26p | 9:33p |
| May 2 | 3:47a | 5:32a | 1:02p | 6:04p | 8:27p | 9:35p |
| May 3 | 3:44a | 5:30a | 1:02p | 6:05p | 8:29p | 9:36p |
| May 4 | 3:42a | 5:28a | 1:02p | 6:06p | 8:31p | 9:38p |
| May 5 | 3:40a | 5:26a | 1:02p | 6:07p | 8:32p | 9:39p |
| May 6 | 3:38a | 5:24a | 1:02p | 6:08p | 8:34p | 9:40p |
| May 7 | 3:36a | 5:23a | 1:02p | 6:09p | 8:35p | 9:42p |
| May 8 | 3:34a | 5:21a | 1:02p | 6:10p | 8:37p | $9: 44 \mathrm{p}$ |
| May 9 | 3:32a | 5:19a | 1:02p | 6:11p | 8:38p | 9:46p |
| May 10 | 3:30a | 5:18a | 1:02p | 6:12p | 8:40p | 9:47p |
| May 11 | 3:28a | 5:16a | 1:02p | 6:13p | 8:42p | 9:49p |


| May 12 | 3:26a | 5:14a | 1:02p | 6:14p | 8:43p | 9:51p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:24a | 5:13a | 1:02p | 6:15p | 8:45p | 9:53p |
| May 14 | 3:23a | 5:11a | 1:02p | 6:16p | 8:46p | 9:55p |
| May 15 | 3:21a | 5:10a | 1:02p | 6:16p | 8:48p | 9:57p |
| May 16 | 3:19a | 5:08a | 1:02p | 6:17p | 8:49p | 9:58p |
| May 17 | 3:17a | 5:07a | 1:02p | 6:18p | 8:51p | 10:00p |
| May 18 | 3:16a | 5:05a | 1:02p | 6:19p | 8:52p | 10:02p |
| May 19 | 3:14a | 5:04a | 1:02p | 6:20p | 8:54p | 10:04p |
| May 20 | 3:12a | 5:03a | 1:02p | 6:21p | 8:55p | 10:05p |
| May 21 | 3:11a | 5:01a | 1:02p | 6:22p | 8:56p | 10:07p |
| May 22 | 3:09a | 5:00a | 1:02p | 6:22p | 8:58p | 10:09p |
| May 23 | 3:08a | 4:59a | 1:02p | 6:23p | 8:59p | 10:10p |
| May 24 | 3:06a | 4:58a | 1:02p | 6:24p | 9:00p | 10:12p |
| May 25 | 3:05a | 4:57a | 1:02p | 6:25p | 9:02p | 10:14p |
| May 26 | 3:04a | 4:56a | 1:02p | 6:26p | 9:03p | 10:15p |
| May 27 | 3:02a | 4:55a | 1:02p | 6:26p | 9:04p | 10:17p |
| May 28 | 3:01a | 4:54a | 1:03p | 6:27p | 9:05p | 10:18p |
| May 29 | 3:00a | 4:53a | 1:03p | 6:28p | 9:07p | 10:20p |
| May 30 | 2:58a | 4:52a | 1:03p | 6:28p | 9:08p | 10:21p |
| May 31 | 2:57a | 4:51a | 1:03p | 6:29p | 9:09p | 10:23p |
| Jun 1 | 2:56a | 4:50a | 1:03p | 6:30p | 9:10p | 10:24p |
| Jun 2 | 2:55a | 4:49a | 1:03p | 6:31p | 9:11p | 10:26p |
| Jun 3 | 2:54a | 4:48a | 1:03p | 6:31p | 9:12p | 10:27p |
| Jun 4 | 2:53a | 4:48a | 1:04p | 6:32p | 9:13p | 10:28p |
| Jun 5 | 2:52a | 4:47a | 1:04p | 6:32p | $9: 14 p$ | 10:30p |
| Jun 6 | 2:51a | 4:46a | 1:04p | 6:33p | 9:15p | 10:31p |
| Jun 7 | 2:50a | 4:46a | 1:04p | 6:34p | 9:16p | 10:32p |
| Jun 8 | 2:50a | 4:45a | 1:04p | 6:34p | 9:17p | 10:33p |
| Jun 9 | 2:49a | 4:45a | 1:04p | 6:35p | 9:18p | 10:34p |
| Jun 10 | 2:48a | 4:45a | 1:05p | 6:35p | 9:18p | 10:35p |
| Jun 11 | 2:48a | 4:44a | 1:05p | 6:36p | 9:19p | 10:36p |
| Jun 12 | 2:47a | 4:44a | 1:05p | 6:36p | 9:20p | 10:37p |
| Jun 13 | 2:46a | 4:44a | 1:05p | 6:37p | 9:20p | 10:38p |
| Jun 14 | 2:46a | 4:44a | 1:05p | 6:37p | 9:21p | 10:39p |


| Jun 15 | $2: 46 a$ | $4: 43 a$ | $1: 06 p$ | $6: 37 p$ | $9: 21 p$ | $10: 40 p$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jun 16 | $2: 45 a$ | $4: 43 a$ | $1: 06 p$ | $6: 38 p$ | $9: 22 p$ | $10: 41 p$ |
| Jun 17 | $2: 45 a$ | $4: 43 a$ | $1: 06 p$ | $6: 38 p$ | $9: 22 p$ | $10: 42 p$ |
| Jun 18 | $2: 45 a$ | $4: 43 a$ | $1: 06 p$ | $6: 38 p$ | $9: 23 p$ | $10: 42 p$ |
| Jun 19 | $2: 44 a$ | $4: 43 a$ | $1: 07 p$ | $6: 39 p$ | $9: 23 p$ | $10: 43 p$ |
| Jun 20 | $2: 44 a$ | $4: 43 a$ | $1: 07 p$ | $6: 39 p$ | $9: 23 p$ | $10: 43 p$ |
| Jun 21 | $2: 44 a$ | $4: 44 a$ | $1: 07 p$ | $6: 39 p$ | $9: 24 p$ | $10: 44 p$ |
| Jun 22 | $2: 44 a$ | $4: 44 a$ | $1: 07 p$ | $6: 39 p$ | $9: 24 p$ | $10: 45 p$ |
| Jun 23 | $2: 44 a$ | $4: 44 a$ | $1: 07 p$ | $6: 40 p$ | $9: 24 p$ | $10: 44 p$ |
| Jun 24 | $2: 45 a$ | $4: 44 a$ | $1: 08 p$ | $6: 40 p$ | $9: 24 p$ | $10: 44 p$ |
| Jun 25 | $2: 46 a$ | $4: 45 a$ | $1: 08 p$ | $6: 40 p$ | $9: 24 p$ | $10: 44 p$ |
| Jun 26 | $2: 46 a$ | $4: 45 a$ | $1: 08 p$ | $6: 40 p$ | $9: 24 p$ | $10: 44 p$ |
| Jun 27 | $2: 47 a$ | $4: 46 a$ | $1: 08 p$ | $6: 40 p$ | $9: 24 p$ | $10: 43 p$ |
| Jun 28 | $2: 48 a$ | $4: 46 a$ | $1: 08 p$ | $6: 40 p$ | $9: 24 p$ | $10: 43 p$ |
| Jun 29 | $2: 49 a$ | $4: 47 a$ | $1: 09 p$ | $6: 40 p$ | $9: 24 p$ | $10: 42 p$ |
| Jun 30 | $2: 50 a$ | $4: 47 a$ | $1: 09 p$ | $6: 40 p$ | $9: 23 p$ | $10: 42 p$ |
| Jul 1 18 | $2: 51 a$ | $4: 48 a$ | $1: 09 p$ | $6: 40 p$ | $9: 23 p$ | $10: 41 p$ |
| Jul 2 | $2: 52 a$ | $4: 49 a$ | $1: 09 p$ | $6: 40 p$ | $9: 23 p$ | $10: 40 p$ |
| Jul 3 | $2: 53 a$ | $4: 49 a$ | $1: 09 p$ | $6: 40 p$ | $9: 22 p$ | $10: 40 p$ |
| Jul $p$ |  |  |  |  |  |  |


| Jul 19 | 3:14a | 5:06a | 1:12p | 6:35p | 9:10p | 10:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:15a | 5:07a | 1:12p | 6:34p | 9:09p | 10:21p |
| Jul 21 | 3:17a | 5:08a | 1:12p | 6:33p | 9:07p | 10:19p |
| Jul 22 | 3:18a | 5:10a | 1:12p | 6:33p | 9:06p | 10:18p |
| Jul 23 | 3:20a | 5:11a | 1:12p | 6:32p | 9:05p | 10:16p |
| Jul 24 | 3:22a | 5:12a | 1:12p | 6:31p | 9:04p | 10:14p |
| Jul 25 | 3:23a | 5:14a | 1:12p | 6:31p | 9:02p | 10:13p |
| Jul 26 | 3:25a | 5:15a | 1:12p | 6:30p | 9:01p | 10:11p |
| Jul 27 | 3:27a | 5:17a | 1:12p | 6:29p | 8:59p | 10:09p |
| Jul 28 | 3:29a | 5:18a | 1:12p | 6:28p | 8:58p | 10:07p |
| Jul 29 | 3:30a | 5:19a | 1:12p | 6:27p | 8:56p | 10:06p |
| Jul 30 | 3:32a | 5:21a | 1:12p | 6:26p | 8:55p | 10:04p |
| Jul 31 | 3:34a | 5:22a | 1:12p | 6:25p | 8:53p | 10:02p |
| Aug 1 | 3:36a | 5:24a | 1:12p | 6:24p | 8:52p | 10:00p |
| Aug 2 | 3:37a | 5:25a | 1:12p | 6:23p | 8:50p | 9:58p |
| Aug 3 | 3:39a | 5:27a | 1:12p | 6:22p | 8:48p | 9:56p |
| Aug 4 | 3:41a | 5:28a | 1:12p | 6:21p | 8:47p | 9:54p |
| Aug 5 | 3:43a | 5:30a | 1:11p | 6:20p | 8:45p | 9:52p |
| Aug 6 | 3:45a | 5:31a | 1:11p | 6:19p | 8:43p | 9:50p |
| Aug 7 | 3:46a | 5:33a | 1:11p | 6:18p | 8:41p | 9:48p |
| Aug 8 | 3:48a | 5:35a | 1:11p | 6:17p | 8:40p | 9:46p |
| Aug 9 | 3:50a | 5:36a | 1:11p | 6:16p | 8:38p | 9:45p |
| Aug 10 | 3:52a | 5:38a | 1:11p | 6:15p | 8:36p | 9:43p |
| Aug 11 | 3:54a | 5:39a | 1:11p | 6:13p | 8:34p | 9:41p |
| Aug 12 | 3:56a | 5:41a | 1:11p | 6:12p | 8:32p | 9:40p |
| Aug 13 | 3:58a | 5:42a | 1:10p | 6:11p | 8:30p | 9:38p |
| Aug 14 | 3:59a | 5:44a | 1:10p | 6:09p | 8:28p | 9:36p |
| Aug 15 | 4:01a | 5:45a | 1:10p | 6:08p | 8:26p | 9:35p |
| Aug 16 | 4:03a | 5:47a | 1:10p | 6:07p | 8:24p | 9:33p |
| Aug 17 | 4:05a | 5:49a | 1:10p | 6:05p | 8:22p | 9:31p |
| Aug 18 | 4:07a | 5:50a | 1:09p | 6:04p | 8:20p | 9:29p |
| Aug 19 | 4:09a | 5:52a | 1:09p | 6:03p | 8:18p | 9:28p |
| Aug 20 | 4:11a | 5:53a | 1:09p | 6:01p | 8:16p | 9:26p |
| Aug 21 | 4:12a | 5:55a | 1:09p | 6:00p | 8:14p | 9:24p |


| Aug 22 | 4:14a | 5:57a | 1:08p | 5:58p | 8:12p | 9:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:16a | 5:58a | 1:08p | 5:57p | 8:10p | 9:20p |
| Aug 24 | 4:18a | 6:00a | 1:08p | 5:55p | 8:08p | 9:18p |
| Aug 25 | 4:20a | 6:01a | 1:08p | 5:54p | 8:06p | 9:16p |
| Aug 26 | 4:22a | 6:03a | 1:07p | 5:52p | 8:04p | 9:15p |
| Aug 27 | 4:24a | 6:04a | 1:07p | 5:50p | 8:02p | 9:13p |
| Aug 28 | 4:26a | 6:06a | 1:07p | 5:49p | 7:59p | 9:11p |
| Aug 29 | 4:27a | 6:08a | 1:07p | 5:47p | 7:57p | 9:09p |
| Aug 30 | 4:29a | 6:09a | 1:06p | 5:45p | 7:55p | 9:07p |
| Aug 31 | 4:31a | 6:11a | 1:06p | 5:44p | 7:53p | 9:05p |
| Sep 1 | 4:33a | 6:12a | 1:06p | 5:42p | 7:51p | 9:03p |
| Sep 2 | 4:35a | 6:14a | 1:05p | 5:40p | 7:48p | 9:01p |
| Sep 3 | 4:37a | 6:16a | 1:05p | 5:39p | 7:46p | 8:59p |
| Sep 4 | 4:39a | 6:17a | 1:05p | 5:37p | $7: 44 \mathrm{p}$ | 8:57p |
| Sep 5 | 4:41a | 6:19a | 1:04p | 5:35p | 7:42p | 8:55p |
| Sep 6 | 4:42a | 6:20a | 1:04p | 5:33p | 7:39p | 8:53p |
| Sep 7 | 4:44a | 6:22a | 1:04p | 5:32p | 7:37p | 8:51p |
| Sep 8 | 4:46a | 6:23a | 1:03p | 5:30p | 7:35p | 8:49p |
| Sep 9 | 4:48a | 6:25a | 1:03p | 5:28p | 7:33p | 8:47p |
| Sep 10 | 4:50a | 6:27a | 1:03p | 5:26p | 7:30p | 8:45p |
| Sep 11 | 4:52a | 6:28a | 1:02p | 5:24p | 7:28p | 8:43p |
| Sep 12 | 4:54a | 6:30a | 1:02p | 5:22p | 7:26p | 8:41p |
| Sep 13 | 4:56a | 6:31a | 1:02p | 5:21p | 7:23p | 8:39p |
| Sep 14 | 4:57a | 6:33a | 1:01p | 5:19p | 7:21p | 8:37p |
| Sep 15 | 4:59a | 6:35a | 1:01p | 5:17p | 7:19p | 8:34p |
| Sep 16 | 5:01a | 6:36a | 1:01p | 5:15p | 7:17p | 8:32p |
| Sep 17 | 5:03a | 6:38a | 1:00p | 5:13p | $7: 14 \mathrm{p}$ | 8:30p |
| Sep 18 | 5:05a | 6:39a | 1:00p | 5:11p | 7:12p | 8:28p |
| Sep 19 | 5:07a | 6:41a | 12:59p | 5:09p | 7:10p | 8:26p |
| Sep 20 | 5:09a | 6:43a | 12:59p | 5:07p | 7:07p | 8:24p |
| Sep 21 | 5:11a | 6:44a | 12:59p | 5:05p | 7:05p | 8:22p |
| Sep 22 | 5:13a | 6:46a | 12:58p | 5:03p | 7:03p | 8:20p |
| Sep 23 | 5:14a | 6:47a | 12:58p | 5:01p | 7:00p | 8:18p |
| Sep 24 | 5:16a | 6:49a | 12:58p | 4:59p | 6:58p | 8:16p |


| Sep 25 | 5:17a | 6:51a | 12:57p | 4:57p | 6:56p | 8:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:19a | 6:52a | 12:57p | 4:56p | 6:54p | 8:12p |
| Sep 27 | 5:20a | 6:54a | 12:57p | 4:54p | 6:51p | 8:10p |
| Sep 28 | 5:22a | 6:55a | 12:56p | 4:52p | 6:49p | 8:08p |
| Sep 29 | 5:23a | 6:57a | 12:56p | 4:50p | 6:47p | 8:06p |
| Sep 30 | 5:25a | 6:59a | 12:56p | 4:48p | 6:44p | 8:04p |
| Oct 1 | 5:26a | 7:00a | 12:55p | 4:46p | 6:42p | 8:02p |
| Oct 2 | 5:28a | 7:02a | 12:55p | $4: 44 \mathrm{p}$ | 6:40p | 8:00p |
| Oct 3 | 5:29a | 7:03a | 12:55p | 4:42p | 6:38p | 7:58p |
| Oct 4 | 5:31a | 7:05a | 12:54p | 4:40p | 6:35p | 7:56p |
| Oct 5 | 5:32a | 7:07a | 12:54p | 4:38p | 6:33p | 7:54p |
| Oct 6 | 5:34a | 7:08a | 12:54p | 4:36p | 6:31p | 7:52p |
| Oct 7 | 5:35a | 7:10a | 12:53p | 4:34p | 6:29p | 7:50p |
| Oct 8 | 5:37a | 7:12a | 12:53p | 4:32p | 6:26p | 7:48p |
| Oct 9 | 5:39a | 7:13a | 12:53p | 4:30p | 6:24p | 7:46p |
| Oct 10 | 5:40a | 7:15a | 12:53p | 4:28p | 6:22p | 7:44p |
| Oct 11 | 5:42a | 7:17a | 12:52p | 4:26p | 6:20p | 7:42p |
| Oct 12 | 5:43a | 7:18a | 12:52p | $4: 24 \mathrm{p}$ | 6:18p | 7:40p |
| Oct 13 | 5:45a | 7:20a | 12:52p | 4:22p | 6:16p | 7:38p |
| Oct 14 | 5:46a | 7:22a | 12:52p | 4:20p | 6:13p | 7:36p |
| Oct 15 | 5:48a | 7:23a | 12:51p | 4:18p | 6:11p | 7:34p |
| Oct 16 | 5:50a | 7:25a | 12:51p | 4:16p | 6:09p | 7:32p |
| Oct 17 | 5:51a | 7:27a | 12:51p | $4: 14 \mathrm{p}$ | 6:07p | 7:30p |
| Oct 18 | 5:53a | 7:28a | 12:51p | 4:12p | 6:05p | 7:28p |
| Oct 19 | 5:55a | 7:30a | 12:51p | 4:10p | 6:03p | 7:27p |
| Oct 20 | 5:56a | 7:32a | 12:50p | 4:08p | 6:01p | 7:25p |
| Oct 21 | 5:58a | 7:34a | 12:50p | 4:06p | 5:59p | 7:23p |
| Oct 22 | 5:59a | 7:35a | 12:50p | 4:04p | 5:57p | 7:21p |
| Oct 23 | 6:01a | 7:37a | 12:50p | 4:03p | 5:55p | 7:19p |
| Oct 24 | 6:03a | 7:39a | 12:50p | 4:01p | 5:53p | 7:18p |
| Oct 25 | 6:04a | 7:41a | 12:50p | 3:59p | 5:51p | 7:16p |
| Oct 26 | 6:06a | 7:42a | 12:49p | 3:57p | 5:49p | 7:14p |
| Oct 27 | 6:08a | 7:44a | 12:49p | 3:55p | 5:47p | 7:12p |
| Oct 28 | 5:09a | 6:46a | 11:49a | 2:53p | $4: 45 \mathrm{p}$ | 6:11p |


| Oct 29 | 5:11a | 6:48a | 11:49a | 2:52p | 4:43p | 6:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:13a | 6:49a | 11:49a | 2:50p | 4:41p | 6:07p |
| Oct 31 | 5:14a | 6:51a | 11:49a | 2:48p | 4:39p | 6:06p |
| Nov 1 | 5:16a | 6:53a | 11:49a | 2:46p | 4:37p | 6:04p |
| Nov 2 | 5:18a | 6:55a | 11:49a | 2:45p | 4:36p | 6:03p |
| Nov 3 | 5:19a | 6:56a | 11:49a | 2:43p | 4:34p | 6:01p |
| Nov 4 | 5:21a | 6:58a | 11:49a | 2:41p | 4:32p | 6:00p |
| Nov 5 | 5:23a | 7:00a | 11:49a | 2:40p | 4:30p | 5:58p |
| Nov 6 | 5:24a | 7:02a | 11:49a | 2:38p | 4:29p | 5:57p |
| Nov 7 | 5:26a | 7:03a | 11:49a | 2:37p | 4:27p | 5:55p |
| Nov 8 | 5:27a | 7:05a | 11:49a | 2:35p | 4:25p | 5:54p |
| Nov 9 | 5:29a | 7:07a | 11:49a | 2:33p | 4:24p | 5:53p |
| Nov 10 | 5:31a | 7:09a | 11:49a | 2:32p | 4:22p | 5:51p |
| Nov 11 | 5:32a | 7:10a | 11:49a | 2:31p | 4:21p | 5:50p |
| Nov 12 | 5:34a | 7:12a | 11:49a | 2:29p | 4:19p | 5:49p |
| Nov 13 | 5:36a | 7:14a | 11:50a | 2:28p | 4:18p | 5:47p |
| Nov 14 | 5:37a | 7:15a | 11:50a | 2:26p | 4:16p | 5:46p |
| Nov 15 | 5:39a | 7:17a | 11:50a | 2:25p | 4:15p | 5:45p |
| Nov 16 | 5:41a | 7:19a | 11:50a | 2:24p | 4:14p | 5:44p |
| Nov 17 | 5:42a | 7:21a | 11:50a | 2:22p | 4:12p | 5:43p |
| Nov 18 | 5:44a | 7:22a | 11:50a | 2:21p | 4:11p | 5:42p |
| Nov 19 | 5:45a | 7:24a | 11:51a | 2:20p | 4:10p | 5:41p |
| Nov 20 | 5:47a | 7:26a | 11:51a | 2:19p | 4:09p | 5:40p |
| Nov 21 | 5:48a | 7:27a | 11:51a | 2:18p | 4:08p | 5:39p |
| Nov 22 | 5:50a | 7:29a | 11:51a | 2:17p | 4:06p | 5:38p |
| Nov 23 | 5:51a | 7:30a | 11:52a | 2:16p | 4:05p | 5:37p |
| Nov 24 | 5:53a | 7:32a | 11:52a | 2:15p | 4:04p | 5:37p |
| Nov 25 | 5:54a | 7:34a | 11:52a | 2:14p | 4:03p | 5:36p |
| Nov 26 | 5:56a | 7:35a | 11:52a | 2:13p | 4:03p | 5:35p |
| Nov 27 | 5:57a | 7:37a | 11:53a | 2:12p | 4:02p | 5:35p |
| Nov 28 | 5:59a | 7:38a | 11:53a | 2:11p | 4:01p | 5:34p |
| Nov 29 | 6:00a | 7:40a | 11:53a | 2:11p | 4:00p | 5:34p |
| Nov 30 | 6:01a | 7:41a | 11:54a | 2:10p | 3:59p | 5:33p |
| Dec 1 | 6:03a | 7:43a | 11:54a | 2:09p | 3:59p | 5:33p |


| Dec 2 | 6:04a | 7:44a | 11:54a | 2:09p | 3:58p | 5:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:05a | 7:45a | 11:55a | 2:08p | 3:58p | 5:32p |
| Dec 4 | 6:07a | 7:47a | 11:55a | 2:08p | 3:57p | 5:32p |
| Dec 5 | 6:08a | 7:48a | 11:56a | 2:07p | 3:57p | 5:31p |
| Dec 6 | 6:09a | 7:49a | 11:56a | 2:07p | 3:56p | 5:31p |
| Dec 7 | 6:10a | 7:50a | 11:57a | 2:07p | 3:56p | 5:31p |
| Dec 8 | 6:11a | 7:52a | 11:57a | 2:06p | 3:56p | 5:31p |
| Dec 9 | 6:12a | 7:53a | 11:57a | 2:06p | 3:55p | 5:31p |
| Dec 10 | 6:13a | 7:54a | 11:58a | 2:06p | 3:55p | 5:31p |
| Dec 11 | 6:14a | 7:55a | 11:58a | 2:06p | 3:55p | 5:31p |
| Dec 12 | 6:15a | 7:56a | 11:59a | 2:06p | 3:55p | 5:31p |
| Dec 13 | 6:16a | 7:57a | 11:59a | 2:06p | 3:55p | 5:32p |
| Dec 14 | 6:17a | 7:58a | 12:00n | 2:06p | 3:55p | 5:32p |
| Dec 15 | 6:17a | 7:59a | 12:00n | 2:06p | 3:55p | 5:32p |
| Dec 16 | 6:18a | 7:59a | 12:01p | 2:06p | 3:55p | 5:33p |
| Dec 17 | 6:19a | 8:00a | 12:01p | 2:06p | 3:55p | 5:33p |
| Dec 18 | 6:20a | 8:01a | 12:02p | 2:06p | 3:56p | 5:33p |
| Dec 19 | 6:20a | 8:02a | 12:02p | 2:07p | 3:56p | 5:34p |
| Dec 20 | 6:21a | 8:02a | 12:03p | 2:07p | 3:56p | 5:34p |
| Dec 21 | 6:21a | 8:03a | 12:03p | 2:07p | 3:57p | 5:34p |
| Dec 22 | 6:22a | 8:03a | 12:04p | 2:08p | 3:57p | 5:35p |
| Dec 23 | 6:22a | 8:04a | 12:04p | 2:08p | 3:58p | 5:35p |
| Dec 24 | 6:23a | 8:04a | 12:05p | 2:09p | 3:59p | 5:36p |
| Dec 25 | 6:23a | 8:05a | 12:05p | 2:10p | 3:59p | 5:37p |
| Dec 26 | 6:23a | 8:05a | 12:06p | 2:10p | 4:00p | 5:37p |
| Dec 27 | 6:24a | 8:05a | 12:06p | 2:11p | 4:01p | 5:38p |
| Dec 28 | 6:24a | 8:05a | 12:07p | 2:12p | 4:01p | 5:39p |
| Dec 29 | 6:24a | 8:05a | 12:07p | 2:12p | 4:02p | 5:40p |
| Dec 30 | 6:24a | 8:05a | 12:08p | 2:13p | 4:03p | 5:41p |
| Dec 31 | 6:24a | 8:05a | 12:08p | $2: 14 \mathrm{p}$ | 4:04p | 5:42p |

## DEWSBURY \& BATLEY, WEST YORKSHIRE Lt=53:42N Lg=

1:37W GMT+ 0
Qiblah Compass=122:26E(2006.91)Qiblah from True North =119:21E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha
Jan $1 \quad$ 6:42a $\quad 8: 24 \mathrm{a} \quad 12: 15 \mathrm{p} \quad 2: 08 \mathrm{p} \quad 3: 59 \mathrm{p} \quad$ 5:37p
Jan $2 \quad 6: 42 \mathrm{a} \quad 8: 24 \mathrm{a} \quad 12: 15 \mathrm{p} \quad 2: 09 \mathrm{p} \quad 4: 00 \mathrm{p} \quad 5: 37 \mathrm{p}$
Jan 3 6:42a
Jan 4 6:41a
Jan 5 6:41a
Jan 6 6:41a
Jan 7 6:40a
Jan 8 6:40a
Jan 9 6:40a

| Jan 10 | 6:39a |
| :--- | :--- |
| Jan 11 | 6:38a |

Jan 12 6:38a
Jan 13 6:37a
Jan 14 6:36a
Jan 15 6:35a
Jan 16 6:34a
Jan 17 6:34a
Jan 18 6:33a
8:13a 12:22p
Jan 19 6:32a
8:12a $12: 22 \mathrm{p}$

| $2: 33 \mathrm{p}$ | $4: 26 \mathrm{p}$ | $5: 59 \mathrm{p}$ |
| :--- | :--- | :--- |

Jan 20 6:30a
Jan 21 6:29a
8:09a $\quad 12: 23 \mathrm{p}$
2:35p
$2: 36 p$
4:28p 6:00p
Jan $22 \quad$ 6:28a $\quad 8: 08 \mathrm{a} \quad 12: 23 \mathrm{p} \quad 2: 38 \mathrm{p} \quad 4: 31 \mathrm{p} \quad$ 6:04p
Jan $23 \quad$ 6:27a $\quad 8: 07 \mathrm{a} \quad 12: 23 \mathrm{p} \quad 2: 40 \mathrm{p} \quad 4: 33 \mathrm{p} \quad$ 6:05p
Jan $24 \quad$ 6:26a $\quad 8: 05 \mathrm{a} \quad 12: 23 \mathrm{p} \quad 2: 42 \mathrm{p} \quad 4: 35 \mathrm{p} \quad$ 6:07p
Jan $25 \quad$ 6:24a $\quad 8: 04 \mathrm{a} \quad 12: 24 \mathrm{p} \quad 2: 43 \mathrm{p} \quad 4: 37 \mathrm{p} \quad$ 6:08p
Jan $26 \quad$ 6:23a $\quad 8: 02 \mathrm{a} \quad 12: 24 \mathrm{p} \quad 2: 45 \mathrm{p} \quad 4: 39 \mathrm{p} \quad$ 6:10p
Jan $27 \quad$ 6:22a $\quad 8: 01 \mathrm{a} \quad 12: 24 \mathrm{p} \quad 2: 47 \mathrm{p} \quad 4: 41 \mathrm{p} \quad 6: 12 \mathrm{p}$

| Jan 28 | $6: 20 a$ | $7: 59 a$ | $12: 24 p$ | $2: 49 p$ | $4: 43 p$ |
| :--- | :--- | :--- | :--- | :--- | :--- | 6:13p


| Jan 29 | 6:19a | 7:58a | 12:24p | 2:51p | 4:45p | 6:15p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 30 | 6:17a | 7:56a | 12:25p | 2:52p | 4:47p | 6:17p |
| Jan 31 | 6:16a | 7:55a | 12:25p | 2:54p | 4:49p | 6:19p |
| Feb 1 | 6:14a | 7:53a | 12:25p | 2:56p | 4:51p | 6:20p |
| Feb 2 | 6:13a | 7:51a | 12:25p | 2:58p | 4:53p | 6:22p |
| Feb 3 | 6:11a | 7:50a | 12:25p | 3:00p | 4:55p | 6:24p |
| Feb 4 | 6:09a | 7:48a | 12:25p | 3:02p | 4:57p | 6:25p |
| Feb 5 | 6:08a | 7:46a | 12:25p | 3:03p | 4:59p | 6:27p |
| Feb 6 | 6:06a | 7:44a | 12:25p | 3:05p | 5:01p | 6:29p |
| Feb 7 | 6:04a | 7:42a | 12:26p | 3:07p | 5:03p | 6:31p |
| Feb 8 | 6:02a | 7:40a | 12:26p | 3:09p | 5:05p | 6:32p |
| Feb 9 | 6:00a | 7:39a | 12:26p | 3:11p | 5:07p | 6:34p |
| Feb 10 | 5:59a | 7:37a | 12:26p | 3:13p | 5:09p | 6:36p |
| Feb 11 | 5:57a | 7:35a | 12:26p | 3:15p | 5:11p | 6:38p |
| Feb 12 | 5:55a | 7:33a | 12:26p | 3:16p | 5:13p | 6:39p |
| Feb 13 | 5:53a | 7:31a | 12:26p | 3:18p | 5:15p | 6:41p |
| Feb 14 | 5:51a | 7:29a | 12:26p | 3:20p | 5:17p | 6:43p |
| Feb 15 | 5:49a | 7:26a | 12:26p | 3:22p | 5:19p | 6:45p |
| Feb 16 | 5:47a | 7:24a | 12:26p | 3:24p | 5:21p | 6:46p |
| Feb 17 | 5:45a | 7:22a | 12:26p | 3:26p | 5:23p | 6:48p |
| Feb 18 | 5:43a | 7:20a | 12:25p | 3:27p | 5:25p | 6:50p |
| Feb 19 | 5:41a | 7:18a | 12:25p | 3:29p | 5:26p | 6:52p |
| Feb 20 | 5:39a | 7:16a | 12:25p | 3:31p | 5:28p | 6:53p |
| Feb 21 | 5:37a | 7:14a | 12:25p | 3:33p | 5:30p | 6:55p |
| Feb 22 | 5:35a | 7:11a | 12:25p | 3:35p | 5:32p | 6:57p |
| Feb 23 | 5:33a | 7:09a | 12:25p | 3:36p | 5:34p | 6:59p |
| Feb 24 | 5:30a | 7:07a | 12:25p | 3:38p | 5:36p | 7:00p |
| Feb 25 | 5:28a | 7:05a | 12:25p | 3:40p | 5:38p | 7:02p |
| Feb 26 | 5:26a | 7:02a | 12:24p | 3:42p | 5:40p | 7:04p |
| Feb 27 | 5:24a | 7:00a | 12:24p | 3:43p | 5:42p | 7:05p |
| Feb 28 | 5:22a | 6:58a | 12:24p | 3:45p | 5:44p | 7:07p |
| Mar 1 | 5:20a | 6:56a | 12:24p | 3:47p | 5:46p | 7:09p |
| Mar 2 | 5:17a | 6:53a | 12:24p | 3:49p | 5:48p | 7:10p |
| Mar 3 | 5:15a | 6:51a | 12:24p | 3:50p | 5:50p | 7:12p |


| Mar 4 | 5:13a | 6:49a | 12:23p | 3:52p | 5:52p | 7:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 5 | 5:11a | 6:46a | 12:23p | 3:54p | 5:54p | 7:15p |
| Mar 6 | 5:08a | 6:44a | 12:23p | 3:55p | 5:56p | 7:17p |
| Mar 7 | 5:06a | 6:42a | 12:23p | 3:57p | 5:58p | 7:19p |
| Mar 8 | 5:04a | 6:39a | 12:22p | 3:59p | 6:00p | 7:20p |
| Mar 9 | 5:01a | 6:37a | 12:22p | 4:00p | 6:01p | 7:22p |
| Mar 10 | 4:59a | 6:34a | 12:22p | 4:02p | 6:03p | 7:24p |
| Mar 11 | 4:57a | 6:32a | 12:22p | 4:03p | 6:05p | 7:25p |
| Mar 12 | 4:55a | 6:30a | 12:21p | 4:05p | 6:07p | 7:27p |
| Mar 13 | 4:52a | 6:27a | 12:21p | 4:07p | 6:09p | 7:29p |
| Mar 14 | 4:50a | 6:25a | 12:21p | 4:08p | 6:11p | 7:30p |
| Mar 15 | 4:48a | 6:22a | 12:21p | 4:10p | 6:13p | 7:32p |
| Mar 16 | 4:45a | 6:20a | 12:20p | 4:11p | 6:15p | 7:33p |
| Mar 17 | 4:43a | 6:17a | 12:20p | 4:13p | 6:16p | 7:35p |
| Mar 18 | 4:41a | 6:15a | 12:20p | 4:14p | 6:18p | 7:37p |
| Mar 19 | 4:38a | 6:12a | 12:19p | 4:16p | 6:20p | 7:38p |
| Mar 20 | 4:36a | 6:10a | 12:19p | 4:17p | 6:22p | 7:40p |
| Mar 21 | 4:34a | 6:08a | 12:19p | 4:19p | 6:24p | 7:42p |
| Mar 22 | 4:31a | 6:05a | 12:19p | 4:20p | 6:26p | 7:43p |
| Mar 23 | 4:28a | 6:03a | 12:18p | 4:22p | 6:28p | 7:45p |
| Mar 24 | 4:26a | 6:00a | 12:18p | 4:23p | 6:30p | 7:46p |
| Mar 25 | 5:23a | 6:58a | 1:18p | 5:24p | 7:31p | 8:48p |
| Mar 26 | 5:20a | 6:55a | 1:17p | 5:26p | 7:33p | 8:50p |
| Mar 27 | 5:17a | 6:53a | 1:17p | 5:27p | 7:35p | 8:51p |
| Mar 28 | 5:15a | 6:51a | 1:17p | 5:29p | 7:37p | 8:53p |
| Mar 29 | 5:12a | 6:48a | 1:17p | 5:30p | 7:39p | 8:54p |
| Mar 30 | 5:09a | 6:46a | 1:16p | 5:32p | 7:41p | 8:56p |
| Mar 31 | 5:06a | 6:43a | 1:16p | 5:33p | 7:42p | 8:58p |
| Apr 1 | 5:04a | 6:41a | 1:16p | 5:34p | 7:44p | 8:59p |
| Apr 2 | 5:01a | 6:38a | 1:15p | 5:36p | 7:46p | 9:01p |
| Apr 3 | 4:58a | 6:36a | 1:15p | 5:37p | 7:48p | 9:02p |
| Apr 4 | 4:56a | 6:33a | 1:15p | 5:38p | 7:50p | 9:04p |
| Apr 5 | 4:53a | 6:31a | 1:14p | 5:40p | 7:52p | 9:06p |
| Apr 6 | 4:50a | 6:29a | 1:14p | 5:41p | 7:54p | 9:07p |


| Apr 7 | 4:47a | 6:26a | 1:14p | 5:42p | 7:55p | 9:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 8 | 4:45a | 6:24a | 1:14p | 5:44p | 7:57p | 9:10p |
| Apr 9 | 4:42a | 6:21a | 1:13p | 5:45p | 7:59p | 9:12p |
| Apr 10 | 4:39a | 6:19a | 1:13p | 5:46p | 8:01p | 9:14p |
| Apr 11 | 4:37a | 6:17a | 1:13p | 5:48p | 8:03p | 9:15p |
| Apr 12 | 4:34a | 6:14a | 1:12p | 5:49p | 8:05p | 9:17p |
| Apr 13 | 4:31a | 6:12a | 1:12p | 5:50p | 8:06p | 9:18p |
| Apr 14 | 4:29a | 6:10a | 1:12p | 5:51p | 8:08p | 9:20p |
| Apr 15 | 4:26a | 6:07a | 1:12p | 5:53p | 8:10p | 9:21p |
| Apr 16 | 4:23a | 6:05a | 1:11p | 5:54p | 8:12p | 9:23p |
| Apr 17 | 4:21a | 6:03a | 1:11p | 5:55p | 8:14p | 9:25p |
| Apr 18 | 4:18a | 6:00a | 1:11p | 5:56p | 8:16p | 9:26p |
| Apr 19 | 4:16a | 5:58a | 1:11p | 5:58p | 8:17p | 9:28p |
| Apr 20 | 4:13a | 5:56a | 1:11p | 5:59p | 8:19p | 9:29p |
| Apr 21 | 4:11a | 5:54a | 1:10p | 6:00p | 8:21p | 9:31p |
| Apr 22 | 4:08a | 5:51a | 1:10p | 6:01p | 8:23p | 9:33p |
| Apr 23 | 4:05a | 5:49a | 1:10p | 6:02p | 8:25p | 9:34p |
| Apr 24 | 4:03a | 5:47a | 1:10p | 6:04p | 8:27p | 9:36p |
| Apr 25 | 4:00a | 5:45a | 1:10p | 6:05p | 8:28p | 9:37p |
| Apr 26 | 3:58a | 5:43a | 1:09p | 6:06p | 8:30p | 9:39p |
| Apr 27 | 3:56a | 5:40a | 1:09p | 6:07p | 8:32p | 9:41p |
| Apr 28 | 3:53a | 5:38a | 1:09p | 6:08p | 8:34p | 9:42p |
| Apr 29 | 3:51a | 5:36a | 1:09p | 6:09p | 8:36p | 9:44p |
| Apr 30 | 3:48a | 5:34a | 1:09p | 6:10p | 8:38p | 9:45p |
| May 1 | 3:46a | 5:32a | 1:09p | 6:12p | 8:39p | 9:47p |
| May 2 | 3:44a | 5:30a | 1:09p | 6:13p | 8:41p | 9:48p |
| May 3 | 3:41a | 5:28a | 1:08p | 6:14p | 8:43p | 9:50p |
| May 4 | 3:39a | 5:26a | 1:08p | 6:15p | 8:45p | 9:52p |
| May 5 | 3:37a | 5:24a | 1:08p | 6:16p | 8:47p | 9:53p |
| May 6 | 3:34a | 5:22a | 1:08p | 6:17p | 8:48p | 9:55p |
| May 7 | 3:32a | 5:20a | 1:08p | 6:18p | 8:50p | 9:56p |
| May 8 | 3:30a | 5:18a | 1:08p | 6:19p | 8:52p | 9:58p |
| May 9 | 3:28a | 5:16a | 1:08p | 6:20p | 8:54p | 10:00p |
| May 10 | 3:26a | 5:15a | 1:08p | 6:21p | 8:55p | 10:02p |


| May 11 | 3:24a | 5:13a | 1:08p | 6:22p | 8:57p | 10:04p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 12 | 3:21a | 5:11a | 1:08p | 6:23p | 8:59p | 10:06p |
| May 13 | 3:19a | 5:09a | 1:08p | 6:24p | 9:01p | 10:09p |
| May 14 | 3:17a | 5:07a | 1:08p | 6:25p | 9:02p | 10:11p |
| May 15 | 3:15a | 5:06a | 1:08p | 6:26p | 9:04p | 10:12p |
| May 16 | 3:13a | 5:04a | 1:08p | 6:27p | 9:06p | 10:14p |
| May 17 | 3:12a | 5:03a | 1:08p | 6:28p | 9:07p | 10:16p |
| May 18 | 3:10a | 5:01a | 1:08p | 6:29p | 9:09p | 10:18p |
| May 19 | 3:08a | 4:59a | 1:08p | 6:30p | 9:10p | 10:20p |
| May 20 | 3:06a | 4:58a | 1:08p | 6:31p | 9:12p | 10:22p |
| May 21 | 3:04a | 4:57a | 1:08p | 6:32p | 9:13p | 10:24p |
| May 22 | 3:03a | 4:55a | 1:08p | 6:33p | 9:15p | 10:26p |
| May 23 | 3:01a | 4:54a | 1:08p | 6:34p | 9:17p | 10:28p |
| May 24 | 2:59a | 4:52a | 1:08p | 6:35p | $9: 18 \mathrm{p}$ | 10:30p |
| May 25 | 2:58a | 4:51a | 1:08p | 6:36p | 9:19p | 10:31p |
| May 26 | 2:56a | 4:50a | 1:08p | 6:36p | 9:21p | 10:33p |
| May 27 | 2:55a | 4:49a | 1:09p | 6:37p | 9:22p | 10:35p |
| May 28 | 2:53a | 4:48a | 1:09p | 6:38p | $9: 24 \mathrm{p}$ | 10:37p |
| May 29 | 2:52a | 4:46a | 1:09p | 6:39p | 9:25p | 10:38p |
| May 30 | 2:50a | 4:45a | 1:09p | 6:40p | 9:26p | 10:40p |
| May 31 | 2:49a | 4:44a | 1:09p | 6:40p | 9:28p | 10:41p |
| Jun 1 | 2:48a | 4:43a | 1:09p | 6:41p | 9:29p | 10:43p |
| Jun 2 | 2:47a | 4:43a | 1:09p | 6:42p | 9:30p | 10:44p |
| Jun 3 | 2:46a | 4:42a | 1:09p | 6:42p | 9:31p | 10:46p |
| Jun 4 | 2:44a | 4:41a | 1:10p | 6:43p | 9:32p | 10:47p |
| Jun 5 | 2:43a | 4:40a | 1:10p | 6:44p | 9:33p | 10:49p |
| Jun 6 | 2:42a | 4:39a | 1:10p | $6: 44 \mathrm{p}$ | $9: 34 \mathrm{p}$ | 10:50p |
| Jun 7 | 2:41a | 4:39a | 1:10p | 6:45p | 9:35p | 10:51p |
| Jun 8 | 2:41a | 4:38a | 1:10p | 6:46p | 9:36p | 10:53p |
| Jun 9 | 2:40a | 4:38a | 1:11p | 6:46p | 9:37p | 10:54p |
| Jun 10 | 2:39a | 4:37a | 1:11p | 6:47p | 9:38p | 10:55p |
| Jun 11 | 2:38a | 4:37a | 1:11p | 6:47p | 9:39p | 10:56p |
| Jun 12 | 2:38a | 4:36a | 1:11p | 6:48p | 9:39p | 10:57p |
| Jun 13 | 2:37a | 4:36a | 1:11p | 6:48p | 9:40p | 10:58p |


| Jun 14 | 2:36a | 4:36a | 1:12p | 6:49p | 9:41p | 10:59p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 15 | 2:36a | 4:36a | 1:12p | 6:49p | 9:41p | 11:00p |
| Jun 16 | 2:35a | 4:36a | 1:12p | 6:49p | 9:42p | 11:01p |
| Jun 17 | 2:35a | 4:36a | 1:12p | 6:50p | 9:42p | 11:02p |
| Jun 18 | 2:35a | 4:36a | 1:12p | 6:50p | 9:43p | 11:02p |
| Jun 19 | 2:34a | 4:36a | 1:13p | 6:50p | 9:43p | 11:03p |
| Jun 20 | 2:34a | 4:36a | 1:13p | 6:51p | 9:43p | 11:04p |
| Jun 21 | 2:34a | 4:36a | 1:13p | 6:51p | 9:44p | 11:04p |
| Jun 22 | 2:34a | 4:36a | 1:13p | 6:51p | 9:44p | 11:05p |
| Jun 23 | 2:35a | 4:36a | 1:13p | 6:51p | $9: 44 \mathrm{p}$ | 11:05p |
| Jun 24 | 2:35a | 4:37a | 1:14p | 6:52p | $9: 44 \mathrm{p}$ | 11:04p |
| Jun 25 | 2:36a | 4:37a | 1:14p | 6:52p | 9:44p | 11:04p |
| Jun 26 | 2:37a | 4:37a | 1:14p | 6:52p | $9: 44 \mathrm{p}$ | 11:04p |
| Jun 27 | 2:37a | 4:38a | 1:14p | 6:52p | $9: 44 \mathrm{p}$ | 11:03p |
| Jun 28 | 2:38a | 4:38a | 1:15p | 6:52p | 9:44p | 11:03p |
| Jun 29 | 2:39a | 4:39a | 1:15p | 6:52p | 9:43p | 11:02p |
| Jun 30 | 2:40a | 4:40a | 1:15p | 6:52p | 9:43p | 11:02p |
| Jul 1 | 2:41a | 4:40a | 1:15p | 6:52p | 9:43p | 11:01p |
| Jul 2 | 2:42a | 4:41a | 1:15p | 6:52p | 9:42p | 11:00p |
| Jul 3 | 2:43a | 4:42a | 1:16p | 6:52p | 9:42p | 10:59p |
| Jul 4 | 2:44a | 4:43a | 1:16p | 6:52p | 9:41p | 10:59p |
| Jul 5 | 2:46a | 4:44a | 1:16p | 6:51p | 9:41p | 10:58p |
| Jul 6 | 2:47a | 4:45a | 1:16p | 6:51p | 9:40p | 10:57p |
| Jul 7 | 2:48a | 4:46a | 1:16p | 6:51p | 9:40p | 10:56p |
| Jul 8 | 2:49a | 4:47a | 1:16p | 6:51p | 9:39p | 10:55p |
| Jul 9 | 2:51a | 4:48a | 1:17p | 6:50p | 9:38p | 10:53p |
| Jul 10 | 2:52a | 4:49a | 1:17p | 6:50p | 9:37p | 10:52p |
| Jul 11 | 2:54a | 4:50a | 1:17p | 6:50p | 9:36p | 10:51p |
| Jul 12 | 2:55a | 4:51a | 1:17p | 6:49p | 9:35p | 10:50p |
| Jul 13 | 2:57a | 4:52a | 1:17p | 6:49p | 9:34p | 10:49p |
| Jul 14 | 2:58a | 4:53a | 1:17p | 6:48p | 9:33p | 10:47p |
| Jul 15 | 3:00a | 4:55a | 1:17p | 6:48p | 9:32p | 10:46p |
| Jul 16 | 3:01a | 4:56a | 1:17p | 6:47p | 9:31p | 10:44p |
| Jul 17 | 3:03a | 4:57a | 1:18p | 6:47p | 9:30p | 10:43p |


| Jul 18 | 3:05a | 4:59a | 1:18p | 6:46p | 9:29p | 10:41p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 19 | 3:06a | 5:00a | 1:18p | 6:45p | 9:27p | 10:40p |
| Jul 20 | 3:08a | 5:02a | 1:18p | 6:45p | 9:26p | 10:38p |
| Jul 21 | 3:10a | 5:03a | 1:18p | 6:44p | 9:25p | 10:36p |
| Jul 22 | 3:12a | 5:05a | 1:18p | 6:43p | 9:23p | 10:34p |
| Jul 23 | 3:13a | 5:06a | 1:18p | 6:43p | 9:22p | 10:33p |
| Jul 24 | 3:15a | 5:08a | 1:18p | 6:42p | 9:20p | 10:31p |
| Jul 25 | 3:17a | 5:09a | 1:18p | 6:41p | 9:19p | 10:29p |
| Jul 26 | 3:19a | 5:11a | 1:18p | 6:40p | 9:17p | 10:27p |
| Jul 27 | 3:21a | 5:12a | 1:18p | 6:39p | 9:16p | 10:25p |
| Jul 28 | 3:23a | 5:14a | 1:18p | 6:38p | 9:14p | 10:23p |
| Jul 29 | 3:25a | 5:15a | 1:18p | 6:37p | 9:12p | 10:21p |
| Jul 30 | 3:27a | 5:17a | 1:18p | 6:36p | 9:11p | 10:19p |
| Jul 31 | 3:29a | 5:19a | 1:18p | 6:35p | 9:09p | 10:17p |
| Aug 1 | 3:31a | 5:20a | 1:18p | 6:34p | 9:07p | 10:15p |
| Aug 2 | 3:33a | 5:22a | 1:18p | 6:33p | 9:05p | 10:13p |
| Aug 3 | 3:35a | 5:24a | 1:18p | 6:32p | 9:03p | 10:11p |
| Aug 4 | 3:36a | 5:25a | 1:18p | 6:31p | 9:02p | 10:09p |
| Aug 5 | 3:39a | 5:27a | 1:18p | 6:30p | 9:00p | 10:06p |
| Aug 6 | 3:41a | 5:29a | 1:17p | 6:28p | 8:58p | 10:04p |
| Aug 7 | 3:43a | 5:31a | 1:17p | 6:27p | 8:56p | 10:02p |
| Aug 8 | 3:45a | 5:32a | 1:17p | 6:26p | 8:54p | 10:00p |
| Aug 9 | 3:47a | 5:34a | 1:17p | 6:25p | 8:52p | 9:58p |
| Aug 10 | 3:49a | 5:36a | 1:17p | 6:23p | 8:50p | 9:57p |
| Aug 11 | 3:51a | 5:37a | 1:17p | 6:22p | 8:48p | 9:55p |
| Aug 12 | 3:53a | 5:39a | 1:17p | 6:21p | 8:46p | 9:53p |
| Aug 13 | 3:55a | 5:41a | 1:16p | 6:19p | 8:44p | 9:51p |
| Aug 14 | 3:57a | 5:43a | 1:16p | 6:18p | 8:42p | 9:49p |
| Aug 15 | 3:59a | 5:44a | 1:16p | 6:16p | 8:39p | 9:47p |
| Aug 16 | 4:01a | 5:46a | 1:16p | 6:15p | 8:37p | 9:45p |
| Aug 17 | 4:03a | 5:48a | 1:16p | 6:13p | 8:35p | 9:44p |
| Aug 18 | 4:05a | 5:50a | 1:16p | 6:12p | 8:33p | 9:42p |
| Aug 19 | 4:07a | 5:51a | 1:15p | 6:10p | 8:31p | 9:40p |
| Aug 20 | 4:09a | 5:53a | 1:15p | 6:09p | 8:28p | 9:38p |


| Aug 21 | 4:11a | 5:55a | 1:15p | 6:07p | 8:26p | 9:36p |
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| Aug 22 | 4:13a | 5:57a | 1:15p | 6:06p | 8:24p | 9:34p |
| Aug 23 | 4:15a | 5:58a | 1:14p | 6:04p | 8:22p | 9:32p |
| Aug 24 | 4:17a | 6:00a | 1:14p | 6:02p | 8:19p | 9:30p |
| Aug 25 | 4:19a | 6:02a | 1:14p | 6:01p | 8:17p | 9:28p |
| Aug 26 | 4:22a | 6:04a | 1:14p | 5:59p | 8:15p | 9:25p |
| Aug 27 | 4:24a | 6:06a | 1:13p | 5:57p | 8:12p | 9:23p |
| Aug 28 | 4:26a | 6:07a | 1:13p | 5:56p | 8:10p | 9:21p |
| Aug 29 | 4:28a | 6:09a | 1:13p | 5:54p | 8:08p | 9:19p |
| Aug 30 | 4:30a | 6:11a | 1:12p | 5:52p | 8:05p | 9:17p |
| Aug 31 | 4:32a | 6:13a | 1:12p | 5:50p | 8:03p | 9:15p |
| Sep 1 | 4:34a | 6:14a | 1:12p | 5:48p | 8:01p | 9:13p |
| Sep 2 | 4:36a | 6:16a | 1:11p | 5:47p | 7:58p | 9:11p |
| Sep 3 | 4:38a | 6:18a | 1:11p | 5:45p | 7:56p | 9:09p |
| Sep 4 | 4:40a | 6:20a | 1:11p | 5:43p | 7:53p | 9:06p |
| Sep 5 | 4:42a | 6:21a | 1:10p | 5:41p | 7:51p | 9:04p |
| Sep 6 | 4:44a | 6:23a | 1:10p | 5:39p | 7:49p | 9:02p |
| Sep 7 | 4:46a | 6:25a | 1:10p | 5:37p | 7:46p | 9:00p |
| Sep 8 | 4:48a | 6:27a | 1:09p | 5:35p | 7:44p | 8:58p |
| Sep 9 | 4:50a | 6:28a | 1:09p | 5:33p | 7:41p | 8:55p |
| Sep 10 | 4:53a | 6:30a | 1:09p | 5:31p | 7:39p | 8:53p |
| Sep 11 | 4:55a | 6:32a | 1:08p | 5:29p | 7:36p | 8:51p |
| Sep 12 | 4:57a | 6:34a | 1:08p | 5:27p | 7:34p | 8:49p |
| Sep 13 | 4:59a | 6:35a | 1:08p | 5:25p | 7:31p | 8:47p |
| Sep 14 | 5:01a | 6:37a | 1:07p | 5:23p | 7:29p | 8:44p |
| Sep 15 | 5:03a | 6:39a | 1:07p | 5:21p | 7:27p | 8:42p |
| Sep 16 | 5:05a | 6:41a | 1:07p | 5:19p | 7:24p | 8:40p |
| Sep 17 | 5:07a | 6:42a | 1:06p | 5:17p | 7:22p | 8:38p |
| Sep 18 | 5:09a | 6:44a | 1:06p | 5:15p | 7:19p | 8:36p |
| Sep 19 | 5:11a | 6:46a | 1:06p | 5:13p | 7:17p | 8:33p |
| Sep 20 | 5:13a | 6:48a | 1:05p | 5:11p | 7:14p | 8:31p |
| Sep 21 | 5:15a | 6:50a | 1:05p | 5:09p | 7:12p | 8:29p |
| Sep 22 | 5:17a | 6:51a | 1:04p | 5:07p | 7:09p | 8:27p |
| Sep 23 | 5:19a | 6:53a | 1:04p | 5:05p | 7:07p | 8:24p |
| 202 |  |  |  |  |  |  |


| Sep 24 | 5:21a | 6:55a | 1:04p | 5:03p | 7:04p | 8:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 25 | 5:22a | 6:57a | 1:03p | 5:01p | 7:02p | 8:20p |
| Sep 26 | 5:24a | 6:58a | 1:03p | 4:58p | 6:59p | 8:18p |
| Sep 27 | 5:26a | 7:00a | 1:03p | 4:56p | 6:57p | 8:16p |
| Sep 28 | 5:27a | 7:02a | 1:02p | 4:54p | 6:55p | 8:13p |
| Sep 29 | 5:29a | 7:04a | 1:02p | 4:52p | 6:52p | 8:11p |
| Sep 30 | 5:31a | 7:05a | 1:02p | 4:50p | 6:50p | 8:09p |
| Oct 1 | 5:32a | 7:07a | 1:01p | 4:48p | 6:47p | 8:07p |
| Oct 2 | 5:34a | 7:09a | 1:01p | 4:46p | 6:45p | 8:05p |
| Oct 3 | 5:36a | 7:11a | 1:01p | 4:44p | 6:42p | 8:02p |
| Oct 4 | 5:38a | 7:13a | 1:00p | 4:41p | 6:40p | 8:00p |
| Oct 5 | 5:39a | 7:15a | 1:00p | 4:39p | 6:37p | 7:58p |
| Oct 6 | 5:41a | 7:16a | 1:00p | 4:37p | 6:35p | 7:56p |
| Oct 7 | 5:43a | 7:18a | 1:00p | 4:35p | 6:33p | 7:54p |
| Oct 8 | 5:44a | 7:20a | 12:59p | 4:33p | 6:30p | 7:52p |
| Oct 9 | 5:46a | 7:22a | 12:59p | 4:31p | 6:28p | 7:49p |
| Oct 10 | 5:48a | 7:24a | 12:59p | 4:29p | 6:25p | 7:47p |
| Oct 11 | 5:50a | 7:26a | 12:58p | 4:26p | 6:23p | 7:45p |
| Oct 12 | 5:51a | 7:27a | 12:58p | 4:24p | 6:21p | 7:43p |
| Oct 13 | 5:53a | 7:29a | 12:58p | 4:22p | 6:18p | 7:41p |
| Oct 14 | 5:55a | 7:31a | 12:58p | 4:20p | 6:16p | 7:39p |
| Oct 15 | 5:57a | 7:33a | 12:57p | 4:18p | 6:14p | 7:37p |
| Oct 16 | 5:58a | 7:35a | 12:57p | 4:16p | 6:11p | 7:35p |
| Oct 17 | 6:00a | 7:37a | 12:57p | 4:14p | 6:09p | 7:33p |
| Oct 18 | 6:02a | 7:39a | 12:57p | 4:12p | 6:07p | 7:31p |
| Oct 19 | 6:04a | 7:40a | 12:57p | 4:10p | 6:05p | 7:29p |
| Oct 20 | 6:06a | 7:42a | 12:56p | 4:08p | 6:02p | 7:27p |
| Oct 21 | 6:07a | 7:44a | 12:56p | 4:05p | 6:00p | 7:25p |
| Oct 22 | 6:09a | 7:46a | 12:56p | 4:03p | 5:58p | 7:23p |
| Oct 23 | 6:11a | 7:48a | 12:56p | 4:01p | 5:56p | 7:21p |
| Oct 24 | 6:13a | 7:50a | 12:56p | 3:59p | 5:54p | 7:19p |
| Oct 25 | 6:15a | 7:52a | 12:56p | 3:57p | 5:52p | 7:17p |
| Oct 26 | 6:16a | 7:54a | 12:56p | 3:55p | 5:49p | 7:15p |
| Oct 27 | 6:18a | 7:56a | 12:55p | 3:53p | 5:47p | 7:13p |


| Oct 28 | 5:20a | 6:58a | 11:55a | 2:51p | 4:45p | 6:12p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 29 | 5:22a | 7:00a | 11:55a | 2:50p | 4:43p | 6:10p |
| Oct 30 | 5:24a | 7:01a | 11:55a | 2:48p | 4:41p | 6:08p |
| Oct 31 | 5:26a | 7:03a | 11:55a | 2:46p | 4:39p | 6:06p |
| Nov 1 | 5:27a | 7:05a | 11:55a | $2: 44 \mathrm{p}$ | 4:37p | 6:04p |
| Nov 2 | 5:29a | 7:07a | 11:55a | 2:42p | 4:35p | 6:03p |
| Nov 3 | 5:31a | 7:09a | 11:55a | 2:40p | 4:33p | 6:01p |
| Nov 4 | 5:33a | 7:11a | 11:55a | 2:38p | 4:31p | 5:59p |
| Nov 5 | 5:35a | 7:13a | 11:55a | 2:37p | 4:29p | 5:58p |
| Nov 6 | 5:37a | 7:15a | 11:55a | 2:35p | $4: 27 \mathrm{p}$ | 5:56p |
| Nov 7 | 5:38a | 7:17a | 11:55a | 2:33p | 4:26p | 5:54p |
| Nov 8 | 5:40a | 7:19a | 11:55a | 2:31p | $4: 24 \mathrm{p}$ | 5:53p |
| Nov 9 | 5:42a | 7:21a | 11:55a | 2:30p | $4: 22 \mathrm{p}$ | 5:51p |
| Nov 10 | 5:44a | 7:23a | 11:55a | 2:28p | 4:20p | 5:50p |
| Nov 11 | 5:46a | 7:25a | 11:55a | 2:27p | 4:19p | 5:48p |
| Nov 12 | 5:47a | 7:26a | 11:56a | 2:25p | 4:17p | 5:47p |
| Nov 13 | 5:49a | 7:28a | 11:56a | 2:23p | 4:15p | 5:46p |
| Nov 14 | 5:51a | 7:30a | 11:56a | 2:22p | $4: 14 \mathrm{p}$ | 5:44p |
| Nov 15 | 5:53a | 7:32a | 11:56a | 2:21p | $4: 12 \mathrm{p}$ | 5:43p |
| Nov 16 | 5:55a | 7:34a | 11:56a | 2:19p | $4: 11 p$ | 5:42p |
| Nov 17 | 5:56a | 7:36a | 11:56a | 2:18p | 4:09p | 5:41p |
| Nov 18 | 5:58a | 7:38a | 11:56a | 2:16p | 4:08p | 5:39p |
| Nov 19 | 6:00a | 7:40a | 11:57a | 2:15p | 4:06p | 5:38p |
| Nov 20 | 6:02a | 7:41a | 11:57a | 2:14p | 4:05p | 5:37p |
| Nov 21 | 6:03a | 7:43a | 11:57a | 2:13p | 4:04p | 5:36p |
| Nov 22 | 6:05a | 7:45a | 11:57a | 2:11p | 4:03p | 5:35p |
| Nov 23 | 6:07a | 7:47a | 11:58a | 2:10p | 4:01p | 5:34p |
| Nov 24 | 6:08a | 7:48a | 11:58a | 2:09p | 4:00p | 5:33p |
| Nov 25 | 6:10a | 7:50a | 11:58a | 2:08p | 3:59p | 5:32p |
| Nov 26 | 6:11a | 7:52a | 11:59a | 2:07p | 3:58p | 5:32p |
| Nov 27 | 6:13a | 7:53a | 11:59a | 2:06p | 3:57p | 5:31p |
| Nov 28 | 6:14a | 7:55a | 11:59a | 2:05p | 3:56p | 5:30p |
| Nov 29 | 6:16a | 7:57a | 11:59a | 2:04p | 3:55p | 5:30p |
| Nov 30 | 6:17a | 7:58a | 12:00n | 2:04p | 3:54p | 5:29p |


| Dec 1 | 6:19a | 8:00a | 12:00n | 2:03p | 3:54p | 5:28p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 2 | 6:20a | 8:01a | 12:01p | 2:02p | 3:53p | 5:28p |
| Dec 3 | 6:22a | 8:03a | 12:01p | 2:02p | 3:52p | 5:27p |
| Dec 4 | 6:23a | 8:04a | 12:01p | 2:01p | 3:52p | 5:27p |
| Dec 5 | 6:24a | 8:06a | 12:02p | 2:00p | 3:51p | 5:27p |
| Dec 6 | 6:26a | 8:07a | 12:02p | 2:00p | 3:51p | 5:27p |
| Dec 7 | 6:27a | 8:08a | 12:03p | 2:00p | 3:50p | 5:26p |
| Dec 8 | 6:28a | 8:09a | 12:03p | 1:59p | 3:50p | 5:26p |
| Dec 9 | 6:29a | 8:11a | 12:03p | 1:59p | 3:49p | 5:26p |
| Dec 10 | 6:30a | 8:12a | 12:04p | 1:59p | 3:49p | 5:26p |
| Dec 11 | 6:31a | 8:13a | 12:04p | 1:59p | 3:49p | 5:26p |
| Dec 12 | 6:32a | 8:14a | 12:05p | 1:58p | 3:49p | 5:26p |
| Dec 13 | 6:33a | 8:15a | 12:05p | 1:58p | 3:49p | 5:26p |
| Dec 14 | 6:34a | 8:16a | 12:06p | 1:58p | 3:49p | 5:27p |
| Dec 15 | 6:35a | 8:17a | 12:06p | 1:58p | 3:49p | 5:27p |
| Dec 16 | 6:35a | 8:18a | 12:07p | 1:59p | 3:49p | 5:27p |
| Dec 17 | 6:36a | 8:19a | 12:07p | 1:59p | 3:49p | 5:28p |
| Dec 18 | 6:37a | 8:19a | 12:08p | 1:59p | 3:49p | 5:28p |
| Dec 19 | 6:38a | 8:20a | 12:08p | 1:59p | 3:50p | 5:28p |
| Dec 20 | 6:38a | 8:21a | 12:09p | 2:00p | 3:50p | 5:28p |
| Dec 21 | 6:39a | 8:21a | 12:09p | 2:00p | 3:50p | 5:29p |
| Dec 22 | 6:39a | 8:22a | 12:10p | 2:00p | 3:51p | 5:29p |
| Dec 23 | 6:40a | 8:22a | 12:10p | 2:01p | 3:51p | 5:30p |
| Dec 24 | 6:40a | 8:23a | 12:11p | 2:01p | 3:52p | 5:31p |
| Dec 25 | 6:41a | 8:23a | 12:11p | 2:02p | 3:53p | 5:31p |
| Dec 26 | 6:41a | 8:23a | 12:12p | 2:03p | 3:53p | 5:32p |
| Dec 27 | 6:41a | 8:24a | 12:12p | 2:03p | 3:54p | 5:33p |
| Dec 28 | 6:41a | 8:24a | 12:13p | 2:04p | 3:55p | 5:34p |
| Dec 29 | 6:41a | 8:24a | 12:13p | 2:05p | 3:56p | 5:34p |
| Dec 30 | 6:41a | 8:24a | 12:14p | 2:06p | 3:57p | 5:35p |
| Dec 31 | 6:41a | 8:24a | 12:14p | 2:07p | 3:58p | 5:36p |

## EALING LONDON Lt=51:31N Lg= 0:20W GMT+ 0

Qiblah Compass=121:01E(2006.92)Qiblah from True North=118:47E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | 6:26a |
| :--- | :--- |
| Jan 2 | $6: 26 a$ |
| Jan 3 | $6: 26 a$ |
| Jan 4 | $6: 26 a$ |
| Jan 5 | $6: 26 a$ |

8:07a 12:10p

2:16p 4:06p 5:42p 8:07a $\quad 12: 10 \mathrm{p} \quad 2: 17 \mathrm{p} \quad 4: 07 \mathrm{p} \quad 5: 43 \mathrm{p}$ 8:07a $\quad 12: 11 p \quad 2: 18 p \quad 4: 08 p \quad 5: 44 p$ 8:06a 12:11p 2:19p $4: 09 p \quad 5: 45 p$
8:06a 12:11p 2:20p $4: 10 p \quad 5: 46 p$
Jan 6:26a
Jan 7 6:25a
Jan 8 6:25a
Jan 9 6:24a
8:06a $\quad 12: 12 p \quad 2: 21 p \quad 4: 12 p \quad 5: 47 p$
8:05a $\quad 12: 12 p \quad 2: 22 p \quad 4: 13 p \quad 5: 48 p$
8:05a $\quad 12: 13 \mathrm{p} \quad 2: 24 \mathrm{p} \quad 4: 14 \mathrm{p} \quad 5: 49 \mathrm{p}$
8:05a 12:13p 2:25p 4:16p 5:50p
Jan 10 6:24a
8:04a 12:14p
2:26p $\quad 4: 17 \mathrm{p} \quad 5: 51 \mathrm{p}$
8:03a $\quad 12: 14 \mathrm{p} \quad 2: 28 \mathrm{p} \quad 4: 18 \mathrm{p} \quad 5: 52 \mathrm{p}$
8:03a $\quad 12: 14 \mathrm{p} \quad 2: 29 \mathrm{p} \quad 4: 20 \mathrm{p} \quad 5: 54 \mathrm{p}$
Jan 13 6:22a
Jan 14 6:22a
8:01a 12:15p

2:30p
4:21p
5:55p
Jan 15 6:21a
8:00a $\quad 12: 16 \mathrm{p}$
2:33p
4:23p $\quad 5: 56 p$

Jan 16 6:20a
Jan 17 6:19a

8:00a 12:16p
2:35p
$4: 24 \mathrm{p} \quad 5: 57 \mathrm{p}$
4:26p $\quad 5: 59 p$
7:59a $\quad 12: 16 p \quad 2: 36 p \quad 4: 28 p \quad 6: 00 p$

| Jan 18 | $6: 19 \mathrm{a}$ | $7: 58 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 38 \mathrm{p}$ | $4: 29 \mathrm{p}$ | $6: 02 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 19 | $6: 18 \mathrm{a}$ | $7: 57 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 39 \mathrm{p}$ | $4: 31 \mathrm{p}$ | $6: 03 \mathrm{p}$ |

Jan $20 \quad$ 6:17a $\quad 7: 56 \mathrm{a} \quad 12: 17 \mathrm{p} \quad 2: 41 \mathrm{p} \quad 4: 33 \mathrm{p} \quad$ 6:04p

| Jan 21 | 6:16a | 7:55a | 12:17p | 2:42p | 4:34p | 6:06p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 22 | 6:15a | 7:53a | 12:18p | 2:44p | 4:36p | 6:07p |
| Jan 23 | 6:14a | 7:52a | 12:18p | 2:46p | 4:38p | 6:09p |
| Jan 24 | 6:12a | 7:51a | 12:18p | 2:47p | 4:39p | 6:10p |
| Jan 25 | 6:11a | 7:50a | 12:19p | 2:49p | 4:41p | 6:12p |
| Jan 26 | 6:10a | 7:49a | 12:19p | 2:51p | 4:43p | 6:13p |
| Jan 27 | 6:09a | 7:47a | 12:19p | 2:52p | 4:45p | 6:15p |
| Jan 28 | 6:08a | 7:46a | 12:19p | 2:54p | 4:46p | 6:16p |
| Jan 29 | 6:06a | 7:44a | 12:19p | 2:56p | 4:48p | 6:18p |


| Jan 30 | 6:05a | 7:43a | 12:20p | 2:57p | 4:50p | 6:19p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:04a | 7:41a | 12:20p | 2:59p | 4:52p | 6:21p |
| Feb 1 | 6:02a | 7:40a | 12:20p | 3:01p | 4:54p | 6:23p |
| Feb 2 | 6:01a | 7:38a | 12:20p | 3:02p | 4:55p | 6:24p |
| Feb 3 | 5:59a | 7:37a | 12:20p | 3:04p | 4:57p | 6:26p |
| Feb 4 | 5:58a | 7:35a | 12:20p | 3:06p | 4:59p | 6:27p |
| Feb 5 | 5:56a | 7:34a | 12:20p | 3:08p | 5:01p | 6:29p |
| Feb 6 | 5:54a | 7:32a | 12:20p | 3:09p | 5:03p | 6:30p |
| Feb 7 | 5:53a | 7:30a | 12:20p | 3:11p | 5:04p | 6:32p |
| Feb 8 | 5:51a | 7:28a | 12:20p | 3:13p | 5:06p | 6:34p |
| Feb 9 | 5:50a | 7:27a | 12:21p | 3:14p | 5:08p | 6:35p |
| Feb 10 | 5:48a | 7:25a | 12:21p | 3:16p | 5:10p | 6:37p |
| Feb 11 | 5:46a | 7:23a | 12:21p | 3:18p | 5:12p | 6:38p |
| Feb 12 | 5:44a | 7:21a | 12:21p | 3:20p | 5:14p | 6:40p |
| Feb 13 | 5:43a | 7:19a | 12:21p | 3:21p | 5:15p | 6:42p |
| Feb 14 | 5:41a | 7:17a | 12:21p | 3:23p | 5:17p | 6:43p |
| Feb 15 | 5:39a | 7:16a | 12:20p | 3:25p | 5:19p | 6:45p |
| Feb 16 | 5:37a | 7:14a | 12:20p | 3:26p | 5:21p | 6:46p |
| Feb 17 | 5:35a | 7:12a | 12:20p | 3:28p | 5:23p | 6:48p |
| Feb 18 | 5:33a | 7:10a | 12:20p | 3:30p | 5:25p | 6:49p |
| Feb 19 | 5:32a | 7:08a | 12:20p | 3:31p | 5:26p | 6:51p |
| Feb 20 | 5:30a | 7:06a | 12:20p | 3:33p | 5:28p | 6:53p |
| Feb 21 | 5:28a | 7:04a | 12:20p | 3:35p | 5:30p | 6:54p |
| Feb 22 | 5:26a | 7:02a | 12:20p | 3:36p | 5:32p | 6:56p |
| Feb 23 | 5:24a | 7:00a | 12:20p | 3:38p | 5:34p | 6:57p |
| Feb 24 | 5:22a | 6:58a | 12:20p | 3:40p | 5:35p | 6:59p |
| Feb 25 | 5:20a | 6:55a | 12:19p | 3:41p | 5:37p | 7:00p |
| Feb 26 | 5:18a | 6:53a | 12:19p | 3:43p | 5:39p | 7:02p |
| Feb 27 | 5:16a | 6:51a | 12:19p | 3:44p | 5:41p | 7:04p |
| Feb 28 | 5:14a | 6:49a | 12:19p | 3:46p | 5:43p | 7:05p |
| Mar 1 | 5:12a | 6:47a | 12:19p | 3:48p | 5:44p | 7:07p |
| Mar 2 | 5:10a | 6:45a | 12:19p | 3:49p | 5:46p | 7:08p |
| Mar 3 | 5:08a | 6:43a | 12:18p | 3:51p | 5:48p | 7:10p |
| Mar 4 | 5:06a | 6:40a | 12:18p | 3:52p | 5:50p | 7:11p |


| Mar 5 | 5:03a | 6:38a | 12:18p | 3:54p | 5:51p | 7:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:01a | 6:36a | 12:18p | 3:55p | 5:53p | 7:14p |
| Mar 7 | 4:59a | 6:34a | 12:17p | 3:57p | 5:55p | 7:16p |
| Mar 8 | 4:57a | 6:32a | 12:17p | 3:58p | 5:57p | 7:17p |
| Mar 9 | 4:55a | 6:29a | 12:17p | 4:00p | 5:58p | 7:19p |
| Mar 10 | 4:53a | 6:27a | 12:17p | 4:01p | 6:00p | 7:20p |
| Mar 11 | 4:51a | 6:25a | 12:16p | 4:03p | 6:02p | 7:22p |
| Mar 12 | 4:49a | 6:23a | 12:16p | 4:04p | 6:03p | 7:23p |
| Mar 13 | 4:46a | 6:20a | 12:16p | 4:05p | 6:05p | 7:25p |
| Mar 14 | 4:44a | 6:18a | 12:16p | 4:07p | 6:07p | 7:26p |
| Mar 15 | 4:42a | 6:16a | 12:15p | 4:08p | 6:09p | 7:28p |
| Mar 16 | 4:40a | 6:14a | 12:15p | 4:10p | 6:10p | 7:29p |
| Mar 17 | 4:38a | 6:11a | 12:15p | 4:11p | 6:12p | 7:30p |
| Mar 18 | 4:35a | 6:09a | 12:15p | 4:12p | 6:14p | 7:32p |
| Mar 19 | 4:33a | 6:07a | 12:14p | 4:14p | 6:15p | 7:33p |
| Mar 20 | 4:31a | 6:05a | 12:14p | 4:15p | 6:17p | 7:35p |
| Mar 21 | 4:29a | 6:02a | 12:14p | 4:17p | 6:19p | 7:36p |
| Mar 22 | 4:27a | 6:00a | 12:13p | 4:18p | 6:20p | 7:38p |
| Mar 23 | 4:24a | 5:58a | 12:13p | 4:19p | 6:22p | 7:39p |
| Mar 24 | 4:22a | 5:55a | 12:13p | 4:21p | 6:24p | 7:41p |
| Mar 25 | 4:19a | 5:53a | 12:12p | 4:22p | 6:26p | 7:42p |
| Mar 26 | 5:16a | 6:51a | 1:12p | 5:23p | 7:27p | 8:44p |
| Mar 27 | 5:14a | 6:49a | 1:12p | 5:24p | 7:29p | 8:45p |
| Mar 28 | 5:11a | 6:46a | 1:12p | 5:26p | 7:31p | 8:47p |
| Mar 29 | 5:09a | 6:44a | 1:11p | 5:27p | 7:32p | 8:48p |
| Mar 30 | 5:06a | 6:42a | 1:11p | 5:28p | 7:34p | 8:49p |
| Mar 31 | 5:04a | 6:39a | 1:11p | 5:29p | 7:36p | 8:51p |
| Apr 1 | 5:01a | 6:37a | 1:10p | 5:31p | 7:37p | 8:52p |
| Apr 2 | 4:59a | 6:35a | 1:10p | 5:32p | 7:39p | 8:54p |
| Apr 3 | 4:56a | 6:33a | 1:10p | 5:33p | 7:41p | 8:55p |
| Apr 4 | 4:53a | 6:30a | 1:09p | 5:34p | 7:42p | 8:57p |
| Apr 5 | 4:51a | 6:28a | 1:09p | 5:36p | 7:44p | 8:58p |
| Apr 6 | 4:48a | 6:26a | 1:09p | 5:37p | 7:46p | 8:59p |
| Apr 7 | 4:46a | 6:24a | 1:09p | 5:38p | 7:47p | 9:01p |
| 208 |  |  |  |  |  |  |


| Apr 8 | 4:43a | 6:21a | 1:08p | 5:39p | 7:49p | 9:02p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:41a | 6:19a | 1:08p | 5:40p | 7:51p | 9:04p |
| Apr 10 | 4:38a | 6:17a | 1:08p | 5:42p | 7:52p | 9:05p |
| Apr 11 | 4:36a | 6:15a | 1:08p | 5:43p | 7:54p | 9:07p |
| Apr 12 | 4:33a | 6:13a | 1:07p | 5:44p | 7:56p | 9:08p |
| Apr 13 | 4:31a | 6:10a | 1:07p | 5:45p | 7:57p | 9:10p |
| Apr 14 | 4:28a | 6:08a | 1:07p | 5:46p | 7:59p | 9:11p |
| Apr 15 | 4:26a | 6:06a | 1:07p | 5:47p | 8:01p | 9:12p |
| Apr 16 | 4:23a | 6:04a | 1:06p | 5:48p | 8:02p | 9:14p |
| Apr 17 | 4:21a | 6:02a | 1:06p | 5:49p | 8:04p | 9:15p |
| Apr 18 | 4:19a | 6:00a | 1:06p | 5:51p | 8:06p | 9:17p |
| Apr 19 | 4:16a | 5:58a | 1:06p | 5:52p | 8:07p | 9:18p |
| Apr 20 | 4:14a | 5:56a | 1:05p | 5:53p | 8:09p | 9:20p |
| Apr 21 | 4:11a | 5:53a | 1:05p | 5:54p | 8:11p | 9:21p |
| Apr 22 | 4:09a | 5:51a | 1:05p | 5:55p | 8:12p | 9:22p |
| Apr 23 | 4:07a | 5:49a | 1:05p | 5:56p | 8:14p | 9:24p |
| Apr 24 | 4:04a | 5:47a | 1:05p | 5:57p | 8:16p | 9:25p |
| Apr 25 | 4:02a | 5:45a | 1:04p | 5:58p | 8:17p | 9:27p |
| Apr 26 | 4:00a | 5:43a | 1:04p | 5:59p | 8:19p | 9:28p |
| Apr 27 | 3:58a | 5:41a | 1:04p | 6:00p | 8:21p | 9:30p |
| Apr 28 | 3:55a | 5:39a | 1:04p | 6:01p | 8:22p | 9:31p |
| Apr 29 | 3:53a | 5:37a | 1:04p | 6:02p | 8:24p | 9:32p |
| Apr 30 | 3:51a | 5:35a | 1:04p | 6:03p | 8:26p | 9:34p |
| May 1 | 3:49a | 5:34a | 1:03p | 6:04p | 8:27p | 9:35p |
| May 2 | 3:47a | 5:32a | 1:03p | 6:05p | 8:29p | 9:37p |
| May 3 | 3:44a | 5:30a | 1:03p | 6:06p | 8:31p | 9:38p |
| May 4 | 3:42a | 5:28a | 1:03p | 6:07p | 8:32p | 9:39p |
| May 5 | 3:40a | 5:26a | 1:03p | 6:08p | 8:34p | 9:41p |
| May 6 | 3:38a | 5:24a | 1:03p | 6:09p | 8:36p | 9:42p |
| May 7 | 3:36a | 5:23a | 1:03p | 6:10p | 8:37p | 9:43p |
| May 8 | 3:34a | 5:21a | 1:03p | 6:11p | 8:39p | 9:45p |
| May 9 | 3:32a | 5:19a | 1:03p | 6:12p | 8:40p | 9:47p |
| May 10 | 3:30a | 5:18a | 1:03p | 6:13p | 8:42p | 9:49p |
| May 11 | 3:28a | 5:16a | 1:03p | 6:14p | 8:43p | 9:51p |
| 209 |  |  |  |  |  |  |


| May 12 | 3:26a | 5:14a | 1:03p | 6:15p | 8:45p | 9:53p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:24a | 5:13a | 1:03p | 6:16p | 8:47p | 9:55p |
| May 14 | 3:23a | 5:11a | 1:03p | 6:17p | 8:48p | 9:57p |
| May 15 | 3:21a | 5:10a | 1:03p | 6:18p | 8:50p | 9:58p |
| May 16 | 3:19a | 5:08a | 1:03p | 6:19p | 8:51p | 10:00p |
| May 17 | 3:17a | 5:07a | 1:03p | 6:20p | 8:53p | 10:02p |
| May 18 | 3:16a | 5:05a | 1:03p | 6:20p | 8:54p | 10:04p |
| May 19 | 3:14a | 5:04a | 1:03p | 6:21p | 8:55p | 10:06p |
| May 20 | 3:12a | 5:03a | 1:03p | 6:22p | 8:57p | 10:07p |
| May 21 | 3:11a | 5:01a | 1:03p | 6:23p | 8:58p | 10:09p |
| May 22 | 3:09a | 5:00a | 1:03p | 6:24p | 9:00p | 10:11p |
| May 23 | 3:08a | 4:59a | 1:03p | 6:25p | 9:01p | 10:12p |
| May 24 | 3:06a | 4:58a | 1:03p | 6:25p | 9:02p | 10:14p |
| May 25 | 3:05a | 4:57a | 1:03p | 6:26p | 9:04p | 10:16p |
| May 26 | 3:03a | 4:56a | 1:03p | 6:27p | 9:05p | 10:17p |
| May 27 | 3:02a | 4:55a | 1:03p | 6:28p | 9:06p | 10:19p |
| May 28 | 3:01a | 4:54a | 1:04p | 6:28p | 9:07p | 10:20p |
| May 29 | 3:00a | 4:53a | 1:04p | 6:29p | 9:09p | 10:22p |
| May 30 | 2:58a | 4:52a | 1:04p | 6:30p | 9:10p | 10:23p |
| May 31 | 2:57a | 4:51a | 1:04p | 6:31p | 9:11p | 10:25p |
| Jun 1 | 2:56a | 4:50a | 1:04p | 6:31p | 9:12p | 10:26p |
| Jun 2 | 2:55a | 4:49a | 1:04p | 6:32p | 9:13p | 10:27p |
| Jun 3 | 2:54a | 4:48a | 1:04p | 6:33p | 9:14p | 10:29p |
| Jun 4 | 2:53a | 4:48a | 1:05p | 6:33p | 9:15p | 10:30p |
| Jun 5 | 2:52a | 4:47a | 1:05p | 6:34p | 9:16p | 10:31p |
| Jun 6 | 2:51a | 4:47a | 1:05p | 6:34p | 9:17p | 10:33p |
| Jun 7 | 2:50a | 4:46a | 1:05p | 6:35p | 9:18p | 10:34p |
| Jun 8 | 2:50a | 4:46a | 1:05p | 6:35p | 9:19p | 10:35p |
| Jun 9 | 2:49a | 4:45a | 1:05p | 6:36p | 9:19p | 10:36p |
| Jun 10 | 2:48a | 4:45a | 1:06p | 6:36p | 9:20p | 10:37p |
| Jun 11 | 2:48a | 4:44a | 1:06p | 6:37p | 9:21p | 10:38p |
| Jun 12 | 2:47a | 4:44a | 1:06p | 6:37p | 9:22p | 10:39p |
| Jun 13 | 2:46a | 4:44a | 1:06p | 6:38p | 9:22p | 10:40p |
| Jun 14 | 2:46a | 4:44a | 1:06p | 6:38p | 9:23p | 10:41p |
|  |  |  | 210 |  |  |  |


| Jun 15 | 2:46a | 4:44a | 1:07p | 6:39p | 9:23p | 10:42p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:45a | 4:43a | 1:07p | 6:39p | 9:24p | 10:43p |
| Jun 17 | 2:45a | 4:43a | 1:07p | 6:39p | 9:24p | 10:43p |
| Jun 18 | 2:45a | 4:43a | 1:07p | 6:40p | 9:24p | 10:44p |
| Jun 19 | 2:44a | 4:44a | 1:08p | 6:40p | 9:25p | 10:45p |
| Jun 20 | 2:44a | 4:44a | 1:08p | 6:40p | 9:25p | 10:45p |
| Jun 21 | 2:44a | 4:44a | 1:08p | 6:41p | 9:25p | 10:46p |
| Jun 22 | 2:44a | 4:44a | 1:08p | 6:41p | 9:26p | 10:46p |
| Jun 23 | 2:45a | 4:44a | 1:08p | 6:41p | 9:26p | 10:46p |
| Jun 24 | 2:45a | 4:45a | 1:09p | 6:41p | 9:26p | 10:46p |
| Jun 25 | 2:46a | 4:45a | 1:09p | 6:41p | 9:26p | 10:46p |
| Jun 26 | 2:47a | 4:45a | 1:09p | 6:41p | 9:26p | 10:45p |
| Jun 27 | 2:47a | 4:46a | 1:09p | 6:41p | 9:26p | 10:45p |
| Jun 28 | 2:48a | 4:46a | 1:09p | 6:41p | 9:25p | 10:44p |
| Jun 29 | 2:49a | 4:47a | 1:10p | 6:41p | 9:25p | 10:44p |
| Jun 30 | 2:50a | 4:48a | 1:10p | 6:41p | 9:25p | 10:43p |
| Jul 1 | 2:51a | 4:48a | 1:10p | 6:41p | 9:25p | 10:43p |
| Jul 2 | 2:52a | 4:49a | 1:10p | 6:41p | 9:24p | 10:42p |
| Jul 3 | 2:53a | 4:50a | 1:10p | 6:41p | 9:24p | 10:41p |
| Jul 4 | 2:54a | 4:50a | 1:11p | 6:41p | 9:24p | 10:41p |
| Jul 5 | 2:55a | 4:51a | 1:11p | 6:41p | 9:23p | 10:40p |
| Jul 6 | 2:56a | 4:52a | 1:11p | 6:41p | 9:22p | 10:39p |
| Jul 7 | 2:57a | 4:53a | 1:11p | 6:41p | 9:22p | 10:38p |
| Jul 8 | 2:59a | 4:54a | 1:11p | 6:40p | 9:21p | 10:37p |
| Jul 9 | 3:00a | 4:55a | 1:11p | 6:40p | 9:21p | 10:36p |
| Jul 10 | 3:01a | 4:56a | 1:12p | 6:40p | 9:20p | 10:35p |
| Jul 11 | 3:02a | 4:57a | 1:12p | 6:39p | 9:19p | 10:34p |
| Jul 12 | 3:04a | 4:58a | 1:12p | 6:39p | 9:18p | 10:33p |
| Jul 13 | 3:05a | 4:59a | 1:12p | 6:39p | $9: 17 \mathrm{p}$ | 10:31p |
| Jul 14 | 3:07a | 5:00a | 1:12p | 6:38p | 9:16p | 10:30p |
| Jul 15 | 3:08a | 5:01a | 1:12p | 6:38p | $9: 15 \mathrm{p}$ | 10:29p |
| Jul 16 | 3:10a | 5:03a | 1:12p | 6:37p | 9:14p | 10:28p |
| Jul 17 | 3:11a | 5:04a | 1:12p | 6:37p | $9: 13 \mathrm{p}$ | 10:26p |
| Jul 18 | 3:13a | 5:05a | 1:13p | 6:36p | $9: 12 p$ | 10:25p |


| Jul 19 | 3:14a | 5:06a | 1:13p | 6:36p | 9:11p | 10:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:16a | 5:08a | 1:13p | 6:35p | 9:10p | 10:22p |
| Jul 21 | 3:17a | 5:09a | 1:13p | 6:34p | 9:09p | 10:20p |
| Jul 22 | 3:19a | 5:10a | 1:13p | 6:34p | 9:07p | 10:19p |
| Jul 23 | 3:21a | 5:12a | 1:13p | 6:33p | 9:06p | 10:17p |
| Jul 24 | 3:22a | 5:13a | 1:13p | 6:32p | 9:05p | 10:15p |
| Jul 25 | 3:24a | 5:14a | 1:13p | 6:32p | 9:03p | 10:14p |
| Jul 26 | 3:26a | 5:16a | 1:13p | 6:31p | 9:02p | 10:12p |
| Jul 27 | 3:27a | 5:17a | 1:13p | 6:30p | 9:00p | 10:10p |
| Jul 28 | 3:29a | 5:19a | 1:13p | 6:29p | 8:59p | 10:09p |
| Jul 29 | 3:31a | 5:20a | 1:13p | 6:28p | 8:57p | 10:07p |
| Jul 30 | 3:33a | 5:22a | 1:13p | 6:27p | 8:56p | 10:05p |
| Jul 31 | 3:34a | 5:23a | 1:13p | 6:26p | 8:54p | 10:03p |
| Aug 1 | 3:36a | 5:25a | 1:13p | 6:25p | 8:53p | 10:01p |
| Aug 2 | 3:38a | 5:26a | 1:13p | 6:24p | 8:51p | 9:59p |
| Aug 3 | 3:40a | 5:28a | 1:13p | 6:23p | 8:49p | 9:57p |
| Aug 4 | 3:42a | 5:29a | 1:12p | 6:22p | 8:48p | 9:55p |
| Aug 5 | 3:43a | 5:31a | 1:12p | 6:21p | 8:46p | 9:53p |
| Aug 6 | 3:45a | 5:32a | 1:12p | 6:20p | 8:44p | 9:51p |
| Aug 7 | 3:47a | 5:34a | 1:12p | 6:19p | 8:42p | $9: 49 \mathrm{p}$ |
| Aug 8 | 3:49a | 5:35a | 1:12p | 6:18p | 8:41p | 9:47p |
| Aug 9 | 3:51a | 5:37a | 1:12p | 6:17p | 8:39p | 9:46p |
| Aug 10 | 3:53a | 5:38a | 1:12p | 6:15p | 8:37p | $9: 44 \mathrm{p}$ |
| Aug 11 | 3:55a | 5:40a | 1:12p | 6:14p | 8:35p | 9:42p |
| Aug 12 | 3:56a | 5:42a | 1:11p | 6:13p | 8:33p | 9:41p |
| Aug 13 | 3:58a | 5:43a | 1:11p | 6:12p | 8:31p | 9:39p |
| Aug 14 | 4:00a | 5:45a | 1:11p | 6:10p | 8:29p | 9:37p |
| Aug 15 | 4:02a | 5:46a | 1:11p | 6:09p | 8:27p | 9:35p |
| Aug 16 | 4:04a | 5:48a | 1:11p | 6:08p | 8:25p | 9:34p |
| Aug 17 | 4:06a | 5:50a | 1:11p | 6:06p | 8:23p | 9:32p |
| Aug 18 | 4:08a | 5:51a | 1:10p | 6:05p | 8:21p | 9:30p |
| Aug 19 | 4:10a | 5:53a | 1:10p | 6:03p | 8:19p | 9:28p |
| Aug 20 | 4:11a | 5:54a | 1:10p | 6:02p | 8:17p | 9:26p |
| Aug 21 | 4:13a | 5:56a | 1:10p | 6:00p | 8:15p | 9:25p |


| Aug 22 | 4:15a | 5:58a | 1:09p | 5:59p | 8:13p | 9:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:17a | 5:59a | 1:09p | 5:57p | 8:11p | 9:21p |
| Aug 24 | 4:19a | 6:01a | 1:09p | 5:56p | 8:09p | 9:19p |
| Aug 25 | 4:21a | 6:02a | 1:09p | 5:54p | 8:06p | 9:17p |
| Aug 26 | 4:23a | 6:04a | 1:08p | 5:53p | 8:04p | 9:15p |
| Aug 27 | 4:25a | 6:05a | 1:08p | 5:51p | 8:02p | 9:13p |
| Aug 28 | 4:27a | 6:07a | 1:08p | 5:49p | 8:00p | 9:11p |
| Aug 29 | 4:28a | 6:09a | 1:07p | 5:48p | 7:58p | 9:09p |
| Aug 30 | 4:30a | 6:10a | 1:07p | 5:46p | 7:56p | 9:07p |
| Aug 31 | 4:32a | 6:12a | 1:07p | 5:44p | 7:53p | 9:06p |
| Sep 1 | 4:34a | 6:13a | 1:07p | 5:43p | 7:51p | 9:04p |
| Sep 2 | 4:36a | 6:15a | 1:06p | 5:41p | 7:49p | 9:02p |
| Sep 3 | 4:38a | 6:17a | 1:06p | 5:39p | 7:47p | 9:00p |
| Sep 4 | 4:40a | 6:18a | 1:06p | 5:37p | $7: 44 \mathrm{p}$ | 8:58p |
| Sep 5 | 4:42a | 6:20a | 1:05p | 5:36p | 7:42p | 8:56p |
| Sep 6 | 4:44a | 6:21a | 1:05p | 5:34p | 7:40p | 8:53p |
| Sep 7 | 4:45a | 6:23a | 1:05p | 5:32p | 7:38p | 8:51p |
| Sep 8 | 4:47a | 6:25a | 1:04p | 5:30p | 7:35p | 8:49p |
| Sep 9 | 4:49a | 6:26a | 1:04p | 5:28p | 7:33p | 8:47p |
| Sep 10 | 4:51a | 6:28a | 1:04p | 5:27p | 7:31p | 8:45p |
| Sep 11 | 4:53a | 6:29a | 1:03p | 5:25p | 7:29p | 8:43p |
| Sep 12 | 4:55a | 6:31a | 1:03p | 5:23p | 7:26p | 8:41p |
| Sep 13 | 4:57a | 6:33a | 1:02p | 5:21p | 7:24p | 8:39p |
| Sep 14 | 4:59a | 6:34a | 1:02p | 5:19p | 7:22p | 8:37p |
| Sep 15 | 5:01a | 6:36a | 1:02p | 5:17p | 7:19p | 8:35p |
| Sep 16 | 5:02a | 6:37a | 1:01p | 5:15p | 7:17p | 8:33p |
| Sep 17 | 5:04a | 6:39a | 1:01p | 5:13p | $7: 15 p$ | 8:31p |
| Sep 18 | 5:06a | 6:41a | 1:01p | 5:11p | 7:12p | 8:29p |
| Sep 19 | 5:08a | 6:42a | 1:00p | 5:10p | 7:10p | 8:27p |
| Sep 20 | 5:10a | 6:44a | 1:00p | 5:08p | 7:08p | 8:25p |
| Sep 21 | 5:12a | 6:45a | 1:00p | 5:06p | 7:05p | 8:23p |
| Sep 22 | 5:14a | 6:47a | 12:59p | 5:04p | 7:03p | 8:20p |
| Sep 23 | 5:15a | 6:49a | 12:59p | 5:02p | 7:01p | 8:18p |
| Sep 24 | 5:17a | 6:50a | 12:59p | 5:00p | 6:59p | 8:16p |


| Sep 25 | 5:18a | 6:52a | 12:58p | 4:58p | 6:56p | 8:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:20a | 6:53a | 12:58p | 4:56p | 6:54p | 8:12p |
| Sep 27 | 5:21a | 6:55a | 12:58p | 4:54p | 6:52p | 8:10p |
| Sep 28 | 5:23a | 6:57a | 12:57p | 4:52p | 6:49p | 8:08p |
| Sep 29 | 5:24a | 6:58a | 12:57p | 4:50p | 6:47p | 8:06p |
| Sep 30 | 5:26a | 7:00a | 12:57p | 4:48p | 6:45p | 8:04p |
| Oct 1 | 5:28a | 7:02a | 12:56p | 4:46p | 6:43p | 8:02p |
| Oct 2 | 5:29a | 7:03a | 12:56p | 4:44p | 6:40p | 8:00p |
| Oct 3 | 5:31a | 7:05a | 12:56p | 4:42p | 6:38p | 7:58p |
| Oct 4 | 5:32a | 7:06a | 12:55p | 4:40p | 6:36p | 7:56p |
| Oct 5 | 5:34a | 7:08a | 12:55p | 4:38p | 6:33p | 7:54p |
| Oct 6 | 5:35a | 7:10a | 12:55p | 4:36p | 6:31p | 7:52p |
| Oct 7 | 5:37a | 7:11a | 12:54p | 4:34p | 6:29p | 7:50p |
| Oct 8 | 5:38a | 7:13a | 12:54p | 4:32p | 6:27p | 7:48p |
| Oct 9 | 5:40a | 7:15a | 12:54p | 4:30p | 6:25p | 7:46p |
| Oct 10 | 5:42a | 7:16a | 12:53p | 4:28p | 6:22p | 7:44p |
| Oct 11 | 5:43a | 7:18a | 12:53p | 4:26p | 6:20p | 7:42p |
| Oct 12 | 5:45a | 7:20a | 12:53p | 4:24p | 6:18p | 7:40p |
| Oct 13 | 5:46a | 7:22a | 12:53p | 4:22p | 6:16p | 7:38p |
| Oct 14 | 5:48a | 7:23a | 12:52p | 4:20p | 6:14p | 7:36p |
| Oct 15 | 5:50a | 7:25a | 12:52p | 4:18p | 6:11p | 7:34p |
| Oct 16 | 5:51a | 7:27a | 12:52p | 4:16p | 6:09p | 7:32p |
| Oct 17 | 5:53a | 7:28a | 12:52p | 4:14p | 6:07p | 7:30p |
| Oct 18 | 5:54a | 7:30a | 12:52p | 4:12p | 6:05p | 7:29p |
| Oct 19 | 5:56a | 7:32a | 12:51p | 4:10p | 6:03p | 7:27p |
| Oct 20 | 5:58a | 7:34a | 12:51p | 4:08p | 6:01p | 7:25p |
| Oct 21 | 5:59a | 7:35a | 12:51p | 4:06p | 5:59p | 7:23p |
| Oct 22 | 6:01a | 7:37a | 12:51p | 4:04p | 5:57p | 7:21p |
| Oct 23 | 6:03a | 7:39a | 12:51p | 4:03p | 5:55p | 7:20p |
| Oct 24 | 6:04a | 7:40a | 12:51p | 4:01p | 5:53p | 7:18p |
| Oct 25 | 6:06a | 7:42a | 12:50p | 3:59p | 5:51p | 7:16p |
| Oct 26 | 6:08a | 7:44a | 12:50p | 3:57p | 5:49p | 7:14p |
| Oct 27 | 6:09a | 7:46a | 12:50p | 3:55p | 5:47p | 7:13p |
| Oct 28 | 6:11a | 7:48a | 12:50p | 3:53p | 5:45p | 7:11p |
|  |  |  | 214 |  |  |  |


| Oct 29 | 5:13a | 6:49a | 11:50a | 2:52p | 4:43p | 6:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:14a | 6:51a | 11:50a | 2:50p | 4:41p | 6:08p |
| Oct 31 | 5:16a | 6:53a | 11:50a | 2:48p | 4:39p | 6:06p |
| Nov 1 | 5:18a | 6:55a | 11:50a | 2:46p | 4:38p | 6:04p |
| Nov 2 | 5:19a | 6:56a | 11:50a | 2:45p | 4:36p | 6:03p |
| Nov 3 | 5:21a | 6:58a | 11:50a | 2:43p | 4:34p | 6:01p |
| Nov 4 | 5:23a | 7:00a | 11:50a | 2:41p | 4:32p | 6:00p |
| Nov 5 | 5:24a | 7:02a | 11:50a | 2:40p | 4:31p | 5:58p |
| Nov 6 | 5:26a | 7:03a | 11:50a | 2:38p | 4:29p | 5:57p |
| Nov 7 | 5:28a | 7:05a | 11:50a | 2:37p | 4:27p | 5:55p |
| Nov 8 | 5:29a | 7:07a | 11:50a | 2:35p | 4:26p | 5:54p |
| Nov 9 | 5:31a | 7:09a | 11:50a | 2:33p | 4:24p | 5:53p |
| Nov 10 | 5:33a | 7:10a | 11:50a | 2:32p | 4:22p | 5:51p |
| Nov 11 | 5:34a | 7:12a | 11:50a | 2:31p | 4:21p | 5:50p |
| Nov 12 | 5:36a | 7:14a | 11:50a | 2:29p | 4:19p | 5:49p |
| Nov 13 | 5:37a | 7:16a | 11:51a | 2:28p | 4:18p | 5:48p |
| Nov 14 | 5:39a | 7:17a | 11:51a | 2:26p | 4:17p | 5:46p |
| Nov 15 | 5:41a | 7:19a | 11:51a | 2:25p | 4:15p | 5:45p |
| Nov 16 | 5:42a | 7:21a | 11:51a | 2:24p | 4:14p | 5:44p |
| Nov 17 | 5:44a | 7:22a | 11:51a | 2:23p | 4:13p | 5:43p |
| Nov 18 | 5:46a | 7:24a | 11:51a | 2:21p | 4:11p | 5:42p |
| Nov 19 | 5:47a | 7:26a | 11:52a | 2:20p | 4:10p | 5:41p |
| Nov 20 | 5:49a | 7:27a | 11:52a | 2:19p | 4:09p | 5:40p |
| Nov 21 | 5:50a | 7:29a | 11:52a | 2:18p | 4:08p | 5:39p |
| Nov 22 | 5:52a | 7:31a | 11:52a | 2:17p | 4:07p | 5:38p |
| Nov 23 | 5:53a | 7:32a | 11:53a | 2:16p | 4:06p | 5:38p |
| Nov 24 | 5:55a | 7:34a | 11:53a | 2:15p | 4:05p | 5:37p |
| Nov 25 | 5:56a | 7:36a | 11:53a | 2:14p | 4:04p | 5:36p |
| Nov 26 | 5:58a | 7:37a | 11:53a | 2:13p | 4:03p | 5:35p |
| Nov 27 | 5:59a | 7:39a | 11:54a | 2:12p | 4:02p | 5:35p |
| Nov 28 | 6:01a | 7:40a | 11:54a | 2:11p | 4:01p | 5:34p |
| Nov 29 | 6:02a | 7:42a | 11:54a | 2:11p | 4:00p | 5:34p |
| Nov 30 | 6:03a | 7:43a | 11:55a | 2:10p | 4:00p | 5:33p |
| Dec 1 | 6:05a | 7:44a | 11:55a | 2:09p | 3:59p | 5:33p |


| Dec 2 | 6:06a | 7:46a | 11:56a | 2:09p | 3:58p | 5:33p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:07a | 7:47a | 11:56a | 2:08p | 3:58p | 5:32p |
| Dec 4 | 6:08a | 7:49a | 11:56a | 2:08p | 3:57p | 5:32p |
| Dec 5 | 6:10a | 7:50a | 11:57a | 2:07p | 3:57p | 5:32p |
| Dec 6 | 6:11a | 7:51a | 11:57a | 2:07p | 3:56p | 5:32p |
| Dec 7 | 6:12a | 7:52a | 11:58a | 2:07p | 3:56p | 5:31p |
| Dec 8 | 6:13a | 7:53a | 11:58a | 2:06p | 3:56p | 5:31p |
| Dec 9 | 6:14a | 7:55a | 11:58a | 2:06p | 3:56p | 5:31p |
| Dec 10 | 6:15a | 7:56a | 11:59a | 2:06p | 3:55p | 5:32p |
| Dec 11 | 6:16a | 7:57a | 11:59a | 2:06p | 3:55p | 5:32p |
| Dec 12 | 6:17a | 7:58a | 12:00n | 2:06p | 3:55p | 5:32p |
| Dec 13 | 6:18a | 7:59a | 12:00n | 2:06p | 3:55p | 5:32p |
| Dec 14 | 6:18a | 8:00a | 12:01p | 2:06p | 3:55p | 5:32p |
| Dec 15 | 6:19a | 8:00a | 12:01p | 2:06p | 3:55p | 5:33p |
| Dec 16 | 6:20a | 8:01a | 12:02p | 2:06p | 3:56p | 5:33p |
| Dec 17 | 6:21a | 8:02a | 12:02p | 2:06p | 3:56p | 5:33p |
| Dec 18 | 6:21a | 8:03a | 12:03p | 2:07p | 3:56p | 5:34p |
| Dec 19 | 6:22a | 8:03a | 12:03p | 2:07p | 3:56p | 5:34p |
| Dec 20 | 6:22a | 8:04a | 12:04p | 2:07p | 3:57p | 5:34p |
| Dec 21 | 6:23a | 8:05a | 12:04p | 2:08p | 3:57p | 5:35p |
| Dec 22 | 6:24a | 8:05a | 12:05p | 2:08p | 3:58p | 5:35p |
| Dec 23 | 6:24a | 8:05a | 12:05p | 2:09p | 3:58p | 5:36p |
| Dec 24 | 6:24a | 8:06a | 12:06p | 2:09p | 3:59p | 5:36p |
| Dec 25 | 6:25a | 8:06a | 12:06p | 2:10p | 4:00p | 5:37p |
| Dec 26 | 6:25a | 8:06a | 12:07p | 2:11p | 4:00p | 5:38p |
| Dec 27 | 6:25a | 8:07a | 12:07p | 2:11p | 4:01p | 5:39p |
| Dec 28 | 6:25a | 8:07a | 12:08p | 2:12p | 4:02p | 5:39p |
| Dec 29 | 6:26a | 8:07a | 12:08p | 2:13p | 4:03p | 5:40p |
| Dec 30 | 6:26a | 8:07a | 12:09p | 2:14p | 4:04p | 5:41p |
| Dec 31 | 6:26a | 8:07a | 12:09p | 2:15p | 4:05p | 5:42p |

## EDINBURGH SCOTLAND Lt=55:57N Lg= 3:13W GMT+ 0

Qiblah Compass=123:43E(2006.91)Qiblah from True North =119:30E

| DATE | Fajr |
| :---: | :---: |
| Jan 1 | $7: 01 \mathrm{a}$ |
| Jan 2 | $7: 01 \mathrm{a}$ |
| Jan 3 | $7: 00 \mathrm{a}$ |
| Jan 4 | $7: 00 \mathrm{a}$ |
| Jan 5 | $7: 00 \mathrm{a}$ |

Jan 6 6:59a
Jan 7 6:59a

| Jan 8 | $6: 58 a$ |
| :--- | :--- |
| Jan 9 | $6: 58 a$ |

Jan 10 6:57a
Jan 11 6:56a
Jan 12 6:55a
Jan 13 6:55a
Jan 14 6:54a
Jan 15 6:53a
Jan 16 6:52a
Jan 17 6:50a
Jan 18 6:49a
Jan 19 6:48a
Jan 20 6:47a
Jan 21 6:46a
Jan 22 6:44a
Jan 23 6:43a
Jan 24 6:41a
Jan 25 6:40a
Jan 26 6:38a

8:19a

| Jan 27 | $6: 37 \mathrm{a}$ | $8: 17 \mathrm{a}$ | $12: 30 \mathrm{p}$ | $2: 42 \mathrm{p}$ | $4: 38 \mathrm{p}$ | $6: 09 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 28 | $6: 35 \mathrm{a}$ | $8: 15 \mathrm{a}$ | $12: 31 \mathrm{p}$ | $2: 44 \mathrm{p}$ | $4: 40 \mathrm{p}$ | $6: 11 \mathrm{p}$ |
| Jan 29 | $6: 34 \mathrm{a}$ | $8: 14 \mathrm{a}$ | $12: 31 \mathrm{p}$ | $2: 46 \mathrm{p}$ | $4: 42 \mathrm{p}$ | $6: 13 p$ |


| Jan 30 | 6:32a | 8:12a | 12:31p | 2:48p | $4: 44 \mathrm{p}$ | 6:15p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:30a | 8:10a | 12:31p | 2:50p | 4:46p | 6:17p |
| Feb 1 | 6:28a | 8:08a | 12:31p | 2:52p | 4:48p | 6:19p |
| Feb 2 | 6:27a | 8:06a | 12:31p | 2:54p | 4:50p | 6:20p |
| Feb 3 | 6:25a | 8:04a | 12:32p | 2:56p | 4:53p | 6:22p |
| Feb 4 | 6:23a | 8:02a | 12:32p | 2:58p | 4:55p | 6:24p |
| Feb 5 | 6:21a | 8:00a | 12:32p | 3:00p | 4:57p | 6:26p |
| Feb 6 | 6:19a | 7:58a | 12:32p | 3:02p | 4:59p | 6:28p |
| Feb 7 | 6:17a | 7:56a | 12:32p | 3:04p | 5:01p | 6:30p |
| Feb 8 | 6:15a | 7:54a | 12:32p | 3:06p | 5:04p | 6:32p |
| Feb 9 | 6:13a | 7:52a | 12:32p | 3:08p | 5:06p | 6:34p |
| Feb 10 | 6:11a | 7:50a | 12:32p | 3:10p | 5:08p | 6:36p |
| Feb 11 | 6:09a | 7:48a | 12:32p | 3:12p | 5:10p | 6:38p |
| Feb 12 | 6:07a | 7:46a | 12:32p | 3:14p | 5:12p | 6:40p |
| Feb 13 | 6:05a | 7:43a | 12:32p | 3:16p | 5:15p | 6:42p |
| Feb 14 | 6:03a | 7:41a | 12:32p | 3:18p | 5:17p | 6:44p |
| Feb 15 | 6:01a | 7:39a | 12:32p | 3:20p | 5:19p | 6:45p |
| Feb 16 | 5:58a | 7:37a | 12:32p | 3:22p | 5:21p | 6:47p |
| Feb 17 | 5:56a | 7:34a | 12:32p | 3:24p | 5:23p | 6:49p |
| Feb 18 | 5:54a | 7:32a | 12:32p | 3:26p | 5:25p | 6:51p |
| Feb 19 | 5:52a | 7:30a | 12:32p | 3:28p | 5:28p | 6:53p |
| Feb 20 | 5:49a | 7:27a | 12:32p | 3:30p | 5:30p | 6:55p |
| Feb 21 | 5:47a | 7:25a | 12:32p | 3:32p | 5:32p | 6:57p |
| Feb 22 | 5:45a | 7:23a | 12:31p | 3:34p | 5:34p | 6:59p |
| Feb 23 | 5:43a | 7:20a | 12:31p | 3:36p | 5:36p | 7:01p |
| Feb 24 | 5:40a | 7:18a | 12:31p | 3:38p | 5:39p | 7:03p |
| Feb 25 | 5:38a | 7:15a | 12:31p | 3:39p | 5:41p | 7:05p |
| Feb 26 | 5:36a | 7:13a | 12:31p | $3: 41 \mathrm{p}$ | 5:43p | 7:07p |
| Feb 27 | 5:33a | 7:10a | 12:31p | $3: 43 \mathrm{p}$ | 5:45p | 7:08p |
| Feb 28 | 5:31a | 7:08a | 12:31p | $3: 45 \mathrm{p}$ | 5:47p | 7:10p |
| Mar 1 | 5:28a | 7:05a | 12:30p | 3:47p | 5:49p | 7:12p |
| Mar 2 | 5:26a | 7:03a | 12:30p | $3: 49 \mathrm{p}$ | 5:51p | 7:14p |
| Mar 3 | 5:24a | 7:00a | 12:30p | 3:51p | 5:53p | 7:16p |
| Mar 4 | 5:21a | 6:58a | 12:30p | 3:53p | 5:56p | 7:18p |


| Mar 5 | 5:19a | 6:55a | 12:30p | 3:54p | 5:58p | 7:20p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:16a | 6:53a | 12:29p | 3:56p | 6:00p | 7:21p |
| Mar 7 | 5:14a | 6:50a | 12:29p | 3:58p | 6:02p | 7:23p |
| Mar 8 | 5:11a | 6:48a | 12:29p | 4:00p | 6:04p | 7:25p |
| Mar 9 | 5:09a | 6:45a | 12:29p | 4:02p | 6:06p | 7:27p |
| Mar 10 | 5:06a | 6:42a | 12:28p | 4:03p | 6:08p | 7:29p |
| Mar 11 | 5:04a | 6:40a | 12:28p | 4:05p | 6:10p | 7:31p |
| Mar 12 | 5:01a | 6:37a | 12:28p | 4:07p | 6:12p | 7:32p |
| Mar 13 | 4:59a | 6:35a | 12:28p | 4:09p | 6:14p | 7:34p |
| Mar 14 | 4:56a | 6:32a | 12:27p | 4:10p | 6:16p | 7:36p |
| Mar 15 | 4:54a | 6:29a | 12:27p | 4:12p | 6:18p | 7:38p |
| Mar 16 | 4:51a | 6:27a | 12:27p | 4:14p | 6:21p | 7:40p |
| Mar 17 | 4:49a | 6:24a | 12:26p | 4:15p | 6:23p | 7:41p |
| Mar 18 | 4:46a | 6:22a | 12:26p | 4:17p | 6:25p | 7:43p |
| Mar 19 | 4:44a | 6:19a | 12:26p | 4:19p | 6:27p | 7:45p |
| Mar 20 | 4:41a | 6:16a | 12:26p | 4:20p | 6:29p | 7:47p |
| Mar 21 | 4:39a | 6:14a | 12:25p | 4:22p | 6:31p | 7:49p |
| Mar 22 | 4:36a | 6:11a | 12:25p | 4:24p | 6:33p | 7:50p |
| Mar 23 | 4:33a | 6:08a | 12:25p | 4:25p | 6:35p | 7:52p |
| Mar 24 | 4:30a | 6:06a | 12:24p | 4:27p | 6:37p | 7:54p |
| Mar 25 | 5:27a | 7:03a | 1:24p | 5:28p | 7:39p | 8:56p |
| Mar 26 | 5:24a | 7:00a | 1:24p | 5:30p | 7:41p | 8:58p |
| Mar 27 | 5:21a | 6:58a | 1:24p | 5:32p | 7:43p | 8:59p |
| Mar 28 | 5:19a | 6:55a | 1:23p | 5:33p | 7:45p | 9:01p |
| Mar 29 | 5:16a | 6:53a | 1:23p | 5:35p | 7:47p | 9:03p |
| Mar 30 | 5:13a | 6:50a | 1:23p | 5:36p | 7:49p | 9:05p |
| Mar 31 | 5:10a | 6:47a | 1:22p | 5:38p | 7:51p | 9:06p |
| Apr 1 | 5:07a | 6:45a | 1:22p | 5:39p | 7:53p | 9:08p |
| Apr 2 | 5:04a | 6:42a | 1:22p | 5:41p | 7:55p | 9:10p |
| Apr 3 | 5:01a | 6:39a | 1:21p | 5:42p | 7:57p | 9:12p |
| Apr 4 | 4:58a | 6:37a | 1:21p | 5:44p | 7:59p | 9:14p |
| Apr 5 | 4:55a | 6:34a | 1:21p | 5:45p | 8:01p | 9:15p |
| Apr 6 | 4:52a | 6:32a | 1:21p | 5:47p | 8:03p | 9:17p |
| Apr 7 | 4:49a | 6:29a | 1:20p | 5:48p | 8:05p | 9:19p |
| 219 |  |  |  |  |  |  |


| Apr 8 | 4:46a | 6:26a | 1:20p | 5:50p | 8:07p | 9:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:43a | 6:24a | 1:20p | 5:51p | 8:09p | 9:22p |
| Apr 10 | 4:41a | 6:21a | 1:19p | 5:53p | 8:12p | 9:24p |
| Apr 11 | 4:38a | 6:19a | 1:19p | 5:54p | 8:14p | 9:26p |
| Apr 12 | 4:35a | 6:16a | 1:19p | 5:55p | 8:16p | 9:28p |
| Apr 13 | 4:32a | 6:14a | 1:19p | 5:57p | 8:18p | 9:29p |
| Apr 14 | 4:29a | 6:11a | 1:18p | 5:58p | 8:20p | 9:31p |
| Apr 15 | 4:26a | 6:09a | 1:18p | 6:00p | 8:22p | 9:33p |
| Apr 16 | 4:23a | 6:06a | 1:18p | 6:01p | 8:24p | 9:35p |
| Apr 17 | 4:21a | 6:04a | 1:18p | 6:02p | 8:26p | 9:37p |
| Apr 18 | 4:18a | 6:01a | 1:17p | 6:04p | 8:28p | 9:38p |
| Apr 19 | 4:15a | 5:59a | 1:17p | 6:05p | 8:30p | 9:40p |
| Apr 20 | 4:12a | 5:56a | 1:17p | 6:06p | 8:32p | 9:42p |
| Apr 21 | 4:09a | 5:54a | 1:17p | 6:08p | 8:34p | 9:44p |
| Apr 22 | 4:07a | 5:51a | 1:17p | 6:09p | 8:36p | 9:45p |
| Apr 23 | 4:04a | 5:49a | 1:16p | 6:10p | 8:38p | 9:47p |
| Apr 24 | 4:01a | 5:46a | 1:16p | 6:12p | 8:40p | 9:49p |
| Apr 25 | 3:59a | 5:44a | 1:16p | 6:13p | 8:42p | 9:51p |
| Apr 26 | 3:56a | 5:42a | 1:16p | 6:14p | 8:44p | 9:53p |
| Apr 27 | 3:53a | 5:39a | 1:16p | 6:16p | 8:46p | 9:54p |
| Apr 28 | 3:51a | 5:37a | 1:15p | 6:17p | 8:48p | 9:56p |
| Apr 29 | 3:48a | 5:35a | 1:15p | 6:18p | 8:50p | 9:58p |
| Apr 30 | 3:45a | 5:32a | 1:15p | 6:19p | 8:52p | 10:00p |
| May 1 | 3:43a | 5:30a | 1:15p | 6:21p | 8:54p | 10:01p |
| May 2 | 3:40a | 5:28a | 1:15p | 6:22p | 8:56p | 10:03p |
| May 3 | 3:38a | 5:26a | 1:15p | 6:23p | 8:58p | 10:05p |
| May 4 | 3:35a | 5:23a | 1:15p | 6:24p | 9:00p | 10:07p |
| May 5 | 3:33a | 5:21a | 1:15p | 6:25p | 9:02p | 10:08p |
| May 6 | 3:30a | 5:19a | 1:15p | 6:27p | 9:04p | 10:10p |
| May 7 | 3:28a | 5:17a | 1:14p | 6:28p | 9:06p | 10:12p |
| May 8 | 3:25a | 5:15a | 1:14p | 6:29p | 9:08p | 10:14p |
| May 9 | 3:23a | 5:13a | 1:14p | 6:30p | 9:10p | 10:16p |
| May 10 | 3:20a | 5:11a | 1:14p | 6:31p | 9:12p | 10:19p |
| May 11 | 3:18a | 5:09a | 1:14p | 6:32p | $9: 14 \mathrm{p}$ | 10:21p |


| May 12 | 3:16a | 5:07a | 1:14p | 6:33p | 9:16p | 10:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:14a | 5:05a | 1:14p | 6:35p | $9: 18 p$ | 10:25p |
| May 14 | 3:11a | 5:03a | 1:14p | 6:36p | 9:20p | 10:28p |
| May 15 | 3:09a | 5:01a | 1:14p | 6:37p | 9:22p | 10:30p |
| May 16 | 3:07a | 4:59a | 1:14p | 6:38p | 9:23p | 10:32p |
| May 17 | 3:05a | 4:57a | 1:14p | 6:39p | 9:25p | 10:34p |
| May 18 | 3:03a | 4:56a | 1:14p | 6:40p | 9:27p | 10:36p |
| May 19 | 3:01a | 4:54a | 1:14p | 6:41p | 9:29p | 10:39p |
| May 20 | 2:59a | 4:52a | 1:14p | 6:42p | 9:31p | 10:41p |
| May 21 | 2:57a | 4:51a | 1:14p | 6:43p | 9:32p | 10:43p |
| May 22 | 2:55a | 4:49a | 1:14p | 6:44p | 9:34p | 10:45p |
| May 23 | 2:53a | 4:48a | 1:15p | 6:45p | 9:36p | 10:47p |
| May 24 | 2:51a | 4:46a | 1:15p | 6:46p | 9:37p | 10:49p |
| May 25 | 2:50a | 4:45a | 1:15p | 6:47p | 9:39p | 10:51p |
| May 26 | 2:48a | 4:43a | 1:15p | 6:48p | 9:41p | 10:53p |
| May 27 | 2:46a | 4:42a | 1:15p | 6:49p | 9:42p | 10:55p |
| May 28 | 2:44a | 4:40a | 1:15p | 6:49p | 9:44p | 10:57p |
| May 29 | 2:43a | 4:39a | 1:15p | 6:50p | 9:45p | 10:58p |
| May 30 | 2:41a | 4:38a | 1:15p | 6:51p | 9:47p | 11:00p |
| May 31 | 2:40a | 4:37a | 1:15p | 6:52p | 9:48p | 11:02p |
| Jun 1 | 2:38a | 4:36a | 1:16p | 6:53p | 9:49p | 11:04p |
| Jun 2 | 2:37a | 4:35a | 1:16p | 6:53p | 9:51p | 11:05p |
| Jun 3 | 2:36a | 4:34a | 1:16p | 6:54p | 9:52p | 11:07p |
| Jun 4 | 2:34a | 4:33a | 1:16p | 6:55p | 9:53p | 11:08p |
| Jun 5 | 2:33a | 4:32a | 1:16p | 6:56p | 9:55p | 11:10p |
| Jun 6 | 2:32a | 4:31a | 1:16p | 6:56p | 9:56p | 11:11p |
| Jun 7 | 2:31a | 4:30a | 1:17p | 6:57p | 9:57p | 11:13p |
| Jun 8 | 2:30a | 4:30a | 1:17p | 6:58p | 9:58p | 11:14p |
| Jun 9 | 2:29a | 4:29a | 1:17p | 6:58p | 9:59p | 11:16p |
| Jun 10 | 2:28a | 4:28a | 1:17p | 6:59p | 10:00p | 11:17p |
| Jun 11 | 2:27a | 4:28a | 1:17p | 6:59p | 10:01p | 11:18p |
| Jun 12 | 2:27a | 4:27a | 1:18p | 7:00p | 10:01p | 11:19p |
| Jun 13 | 2:26a | 4:27a | 1:18p | 7:00p | 10:02p | 11:20p |
| Jun 14 | 2:25a | 4:27a | 1:18p | 7:01p | 10:03p | 11:21p |


| Jun 15 | 2:25a | 4:26a | 1:18p | 7:01p | 10:03p | 11:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:24a | 4:26a | 1:18p | 7:02p | 10:04p | 11:23p |
| Jun 17 | 2:24a | 4:26a | 1:19p | 7:02p | 10:04p | 11:24p |
| Jun 18 | 2:23a | 4:26a | 1:19p | 7:02p | 10:05p | 11:25p |
| Jun 19 | 2:23a | 4:26a | 1:19p | 7:03p | 10:05p | 11:25p |
| Jun 20 | 2:23a | 4:26a | 1:19p | 7:03p | 10:06p | 11:26p |
| Jun 21 | 2:23a | 4:26a | 1:19p | 7:03p | 10:06p | 11:27p |
| Jun 22 | 2:23a | 4:27a | 1:20p | 7:03p | 10:06p | 11:27p |
| Jun 23 | 2:23a | 4:27a | 1:20p | 7:04p | 10:06p | 11:27p |
| Jun 24 | 2:24a | 4:27a | 1:20p | 7:04p | 10:06p | 11:27p |
| Jun 25 | 2:25a | 4:28a | 1:20p | 7:04p | 10:06p | 11:26p |
| Jun 26 | 2:25a | 4:28a | 1:21p | 7:04p | 10:06p | 11:26p |
| Jun 27 | 2:26a | 4:29a | 1:21p | 7:04p | 10:06p | 11:25p |
| Jun 28 | 2:27a | 4:29a | 1:21p | 7:04p | 10:06p | 11:25p |
| Jun 29 | 2:28a | 4:30a | 1:21p | 7:04p | 10:05p | 11:24p |
| Jun 30 | 2:29a | 4:31a | 1:21p | 7:04p | 10:05p | 11:24p |
| Jul 1 | 2:30a | 4:31a | 1:22p | 7:04p | 10:05p | 11:23p |
| Jul 2 | 2:31a | 4:32a | 1:22p | 7:04p | 10:04p | 11:22p |
| Jul 3 | 2:33a | 4:33a | 1:22p | 7:04p | 10:04p | 11:21p |
| Jul 4 | 2:34a | 4:34a | 1:22p | 7:04p | 10:03p | 11:20p |
| Jul 5 | 2:35a | 4:35a | 1:22p | 7:03p | 10:02p | 11:19p |
| Jul 6 | 2:37a | 4:36a | 1:22p | 7:03p | 10:02p | 11:18p |
| Jul 7 | 2:38a | 4:37a | 1:23p | 7:03p | 10:01p | 11:17p |
| Jul 8 | 2:39a | 4:38a | 1:23p | 7:03p | 10:00p | 11:16p |
| Jul 9 | 2:41a | 4:39a | 1:23p | 7:02p | 9:59p | 11:14p |
| Jul 10 | 2:42a | 4:41a | 1:23p | 7:02p | 9:58p | 11:13p |
| Jul 11 | 2:44a | 4:42a | 1:23p | 7:01p | 9:57p | 11:12p |
| Jul 12 | 2:46a | 4:43a | 1:23p | 7:01p | 9:56p | 11:10p |
| Jul 13 | 2:47a | 4:45a | 1:24p | 7:00p | 9:55p | 11:09p |
| Jul 14 | 2:49a | 4:46a | 1:24p | 7:00p | 9:53p | 11:07p |
| Jul 15 | 2:51a | 4:47a | 1:24p | 6:59p | 9:52p | 11:06p |
| Jul 16 | 2:53a | 4:49a | 1:24p | 6:59p | 9:51p | 11:04p |
| Jul 17 | 2:54a | 4:50a | 1:24p | 6:58p | 9:50p | 11:02p |
| Jul 18 | 2:56a | 4:52a | 1:24p | 6:57p | 9:48p | 11:01p |


| Jul 19 | 2:58a | 4:54a | 1:24p | 6:57p | 9:47p | 10:59p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:00a | 4:55a | 1:24p | 6:56p | 9:45p | 10:57p |
| Jul 21 | 3:02a | 4:57a | 1:24p | 6:55p | 9:44p | 10:55p |
| Jul 22 | 3:04a | 4:58a | 1:24p | 6:54p | 9:42p | 10:53p |
| Jul 23 | 3:06a | 5:00a | 1:24p | 6:54p | 9:40p | 10:51p |
| Jul 24 | 3:08a | 5:02a | 1:24p | 6:53p | 9:39p | 10:49p |
| Jul 25 | 3:10a | 5:04a | 1:24p | 6:52p | 9:37p | 10:47p |
| Jul 26 | 3:12a | 5:05a | 1:24p | 6:51p | 9:35p | 10:45p |
| Jul 27 | 3:14a | 5:07a | 1:24p | 6:50p | 9:33p | 10:43p |
| Jul 28 | 3:16a | 5:09a | 1:24p | 6:49p | 9:32p | 10:41p |
| Jul 29 | 3:18a | 5:11a | 1:24p | 6:48p | 9:30p | 10:38p |
| Jul 30 | 3:21a | 5:12a | 1:24p | 6:47p | 9:28p | 10:36p |
| Jul 31 | 3:23a | 5:14a | 1:24p | 6:46p | 9:26p | 10:34p |
| Aug 1 | 3:25a | 5:16a | 1:24p | 6:44p | 9:24p | 10:32p |
| Aug 2 | 3:27a | 5:18a | 1:24p | 6:43p | 9:22p | 10:29p |
| Aug 3 | 3:29a | 5:20a | 1:24p | 6:42p | 9:20p | 10:27p |
| Aug 4 | 3:31a | 5:22a | 1:24p | 6:41p | 9:18p | 10:24p |
| Aug 5 | 3:34a | 5:24a | 1:24p | 6:39p | 9:16p | 10:22p |
| Aug 6 | 3:36a | 5:26a | 1:24p | 6:38p | 9:14p | 10:20p |
| Aug 7 | 3:38a | 5:28a | 1:24p | 6:37p | 9:11p | 10:17p |
| Aug 8 | 3:40a | 5:29a | 1:24p | 6:35p | 9:09p | 10:15p |
| Aug 9 | 3:43a | 5:31a | 1:23p | 6:34p | 9:07p | 10:13p |
| Aug 10 | 3:45a | 5:33a | 1:23p | 6:33p | 9:05p | 10:11p |
| Aug 11 | 3:47a | 5:35a | 1:23p | 6:31p | 9:03p | 10:09p |
| Aug 12 | 3:49a | 5:37a | 1:23p | 6:30p | 9:00p | 10:07p |
| Aug 13 | 3:52a | 5:39a | 1:23p | 6:28p | 8:58p | 10:05p |
| Aug 14 | 3:54a | 5:41a | 1:23p | 6:27p | 8:56p | 10:03p |
| Aug 15 | 3:56a | 5:43a | 1:23p | 6:25p | 8:53p | 10:01p |
| Aug 16 | 3:58a | 5:45a | 1:22p | 6:24p | 8:51p | 9:59p |
| Aug 17 | 4:01a | 5:47a | 1:22p | 6:22p | 8:49p | 9:57p |
| Aug 18 | 4:03a | 5:49a | 1:22p | 6:20p | 8:46p | 9:55p |
| Aug 19 | 4:05a | 5:51a | 1:22p | 6:19p | 8:44p | 9:53p |
| Aug 20 | 4:08a | 5:53a | 1:21p | 6:17p | 8:42p | 9:51p |
| Aug 21 | 4:10a | 5:55a | 1:21p | 6:15p | 8:39p | 9:48p |


| Aug 22 | 4:12a | 5:57a | 1:21p | 6:13p | 8:37p | 9:46p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:14a | 5:59a | 1:21p | 6:12p | 8:34p | $9: 44 \mathrm{p}$ |
| Aug 24 | 4:17a | 6:01a | 1:20p | 6:10p | 8:32p | 9:42p |
| Aug 25 | 4:19a | 6:03a | 1:20p | 6:08p | 8:29p | 9:39p |
| Aug 26 | 4:21a | 6:05a | 1:20p | 6:06p | 8:27p | 9:37p |
| Aug 27 | 4:23a | 6:06a | 1:20p | 6:04p | 8:24p | 9:35p |
| Aug 28 | 4:26a | 6:08a | 1:19p | 6:03p | 8:22p | 9:33p |
| Aug 29 | 4:28a | 6:10a | 1:19p | 6:01p | 8:19p | 9:30p |
| Aug 30 | 4:30a | 6:12a | 1:19p | 5:59p | 8:16p | 9:28p |
| Aug 31 | 4:33a | 6:14a | 1:18p | 5:57p | 8:14p | 9:26p |
| Sep 1 | 4:35a | 6:16a | 1:18p | 5:55p | 8:11p | 9:23p |
| Sep 2 | 4:37a | 6:18a | 1:18p | 5:53p | 8:09p | 9:21p |
| Sep 3 | 4:39a | 6:20a | 1:17p | 5:51p | 8:06p | 9:19p |
| Sep 4 | 4:42a | 6:22a | 1:17p | 5:49p | 8:04p | 9:16p |
| Sep 5 | 4:44a | 6:24a | 1:17p | 5:47p | 8:01p | 9:14p |
| Sep 6 | 4:46a | 6:26a | 1:17p | 5:45p | 7:58p | 9:12p |
| Sep 7 | 4:48a | 6:28a | 1:16p | 5:43p | 7:56p | 9:09p |
| Sep 8 | 4:51a | 6:30a | 1:16p | 5:41p | 7:53p | 9:07p |
| Sep 9 | 4:53a | 6:32a | 1:15p | 5:39p | 7:51p | 9:05p |
| Sep 10 | 4:55a | 6:34a | 1:15p | 5:37p | 7:48p | 9:02p |
| Sep 11 | 4:57a | 6:36a | 1:15p | 5:34p | 7:45p | 9:00p |
| Sep 12 | 5:00a | 6:38a | 1:14p | 5:32p | 7:43p | 8:58p |
| Sep 13 | 5:02a | 6:40a | 1:14p | 5:30p | 7:40p | 8:55p |
| Sep 14 | 5:04a | 6:42a | 1:14p | 5:28p | 7:37p | 8:53p |
| Sep 15 | 5:07a | 6:44a | 1:13p | 5:26p | 7:35p | 8:50p |
| Sep 16 | 5:09a | 6:45a | 1:13p | 5:24p | 7:32p | 8:48p |
| Sep 17 | 5:11a | 6:47a | 1:13p | 5:22p | 7:29p | 8:46p |
| Sep 18 | 5:13a | 6:49a | 1:12p | 5:19p | 7:27p | 8:43p |
| Sep 19 | 5:16a | 6:51a | 1:12p | 5:17p | 7:24p | 8:41p |
| Sep 20 | 5:18a | 6:53a | 1:12p | 5:15p | 7:21p | 8:38p |
| Sep 21 | 5:20a | 6:55a | 1:11p | 5:13p | 7:19p | 8:36p |
| Sep 22 | 5:22a | 6:57a | 1:11p | 5:10p | 7:16p | 8:34p |
| Sep 23 | 5:24a | 6:59a | 1:11p | 5:08p | 7:13p | 8:31p |
| Sep 24 | 5:26a | 7:01a | 1:10p | 5:06p | 7:11p | 8:29p |


| Sep 25 | 5:28a | 7:03a | 1:10p | 5:04p | 7:08p | 8:26p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:30a | 7:05a | 1:09p | 5:01p | 7:05p | 8:24p |
| Sep 27 | 5:32a | 7:07a | 1:09p | 4:59p | 7:03p | 8:22p |
| Sep 28 | 5:34a | 7:09a | 1:09p | 4:57p | 7:00p | 8:19p |
| Sep 29 | 5:35a | 7:11a | 1:08p | 4:55p | 6:58p | 8:17p |
| Sep 30 | 5:37a | 7:13a | 1:08p | 4:52p | 6:55p | 8:15p |
| Oct 1 | 5:39a | 7:15a | 1:08p | 4:50p | 6:52p | 8:12p |
| Oct 2 | 5:41a | 7:17a | 1:07p | 4:48p | 6:50p | 8:10p |
| Oct 3 | 5:43a | 7:19a | 1:07p | 4:45p | 6:47p | 8:07p |
| Oct 4 | 5:45a | 7:21a | 1:07p | 4:43p | 6:44p | 8:05p |
| Oct 5 | 5:47a | 7:23a | 1:07p | 4:41p | 6:42p | 8:03p |
| Oct 6 | 5:49a | 7:25a | 1:06p | 4:39p | 6:39p | 8:00p |
| Oct 7 | 5:51a | 7:27a | 1:06p | 4:36p | 6:37p | 7:58p |
| Oct 8 | 5:52a | 7:29a | 1:06p | $4: 34 \mathrm{p}$ | 6:34p | 7:56p |
| Oct 9 | 5:54a | 7:31a | 1:05p | 4:32p | 6:32p | 7:53p |
| Oct 10 | 5:56a | 7:33a | 1:05p | 4:29p | 6:29p | 7:51p |
| Oct 11 | 5:58a | 7:35a | 1:05p | 4:27p | 6:26p | 7:49p |
| Oct 12 | 6:00a | 7:37a | 1:05p | 4:25p | 6:24p | 7:47p |
| Oct 13 | 6:02a | 7:39a | 1:04p | $4: 22 \mathrm{p}$ | 6:21p | $7: 44 \mathrm{p}$ |
| Oct 14 | 6:04a | 7:41a | 1:04p | 4:20p | 6:19p | 7:42p |
| Oct 15 | 6:06a | 7:43a | 1:04p | 4:18p | 6:16p | 7:40p |
| Oct 16 | 6:08a | 7:45a | 1:04p | 4:16p | 6:14p | 7:38p |
| Oct 17 | 6:10a | 7:47a | 1:03p | 4:13p | 6:11p | 7:35p |
| Oct 18 | 6:12a | 7:49a | 1:03p | 4:11p | 6:09p | 7:33p |
| Oct 19 | 6:14a | 7:51a | 1:03p | 4:09p | 6:06p | 7:31p |
| Oct 20 | 6:16a | 7:53a | 1:03p | 4:07p | 6:04p | 7:29p |
| Oct 21 | 6:18a | 7:56a | 1:03p | 4:04p | 6:02p | 7:27p |
| Oct 22 | 6:20a | 7:58a | 1:02p | 4:02p | 5:59p | 7:25p |
| Oct 23 | 6:22a | 8:00a | 1:02p | 4:00p | 5:57p | 7:22p |
| Oct 24 | 6:24a | 8:02a | 1:02p | 3:58p | 5:55p | 7:20p |
| Oct 25 | 6:26a | 8:04a | 1:02p | 3:56p | 5:52p | 7:18p |
| Oct 26 | 6:28a | 8:06a | 1:02p | 3:54p | 5:50p | 7:16p |
| Oct 27 | 6:30a | 8:08a | 1:02p | 3:51p | 5:48p | 7:14p |
| Oct 28 | 5:32a | 7:10a | 12:02p | $2: 49 \mathrm{p}$ | 4:45p | 6:12p |


| Oct 29 | 5:34a | 7:12a | 12:02p | 2:47p | 4:43p | 6:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:36a | 7:14a | 12:02p | 2:45p | 4:41p | 6:08p |
| Oct 31 | 5:38a | 7:17a | 12:02p | 2:43p | 4:39p | 6:06p |
| Nov 1 | 5:40a | 7:19a | 12:01p | 2:41p | 4:36p | 6:04p |
| Nov 2 | 5:42a | 7:21a | 12:01p | 2:39p | 4:34p | 6:02p |
| Nov 3 | 5:44a | 7:23a | 12:01p | 2:37p | 4:32p | 6:00p |
| Nov 4 | 5:46a | 7:25a | 12:01p | 2:35p | 4:30p | 5:59p |
| Nov 5 | 5:48a | 7:27a | 12:01p | 2:33p | 4:28p | 5:57p |
| Nov 6 | 5:50a | 7:29a | 12:01p | 2:31p | 4:26p | 5:55p |
| Nov 7 | 5:52a | 7:32a | 12:02p | 2:29p | 4:24p | 5:53p |
| Nov 8 | 5:54a | 7:34a | 12:02p | 2:28p | 4:22p | 5:51p |
| Nov 9 | 5:56a | 7:36a | 12:02p | 2:26p | 4:20p | 5:50p |
| Nov 10 | 5:58a | 7:38a | 12:02p | 2:24p | 4:18p | 5:48p |
| Nov 11 | 6:00a | 7:40a | 12:02p | 2:22p | 4:16p | 5:46p |
| Nov 12 | 6:02a | 7:42a | 12:02p | 2:20p | 4:14p | 5:45p |
| Nov 13 | 6:04a | 7:44a | 12:02p | 2:19p | 4:12p | 5:43p |
| Nov 14 | 6:06a | 7:46a | 12:02p | 2:17p | 4:11p | 5:42p |
| Nov 15 | 6:08a | 7:48a | 12:02p | 2:16p | 4:09p | 5:40p |
| Nov 16 | 6:10a | 7:50a | 12:02p | 2:14p | 4:07p | 5:39p |
| Nov 17 | 6:12a | 7:52a | 12:03p | 2:12p | 4:06p | 5:38p |
| Nov 18 | 6:14a | 7:54a | 12:03p | 2:11p | 4:04p | 5:36p |
| Nov 19 | 6:16a | 7:56a | 12:03p | 2:09p | 4:02p | 5:35p |
| Nov 20 | 6:18a | 7:58a | 12:03p | 2:08p | 4:01p | 5:34p |
| Nov 21 | 6:19a | 8:00a | 12:04p | 2:07p | 3:59p | 5:32p |
| Nov 22 | 6:21a | 8:02a | 12:04p | 2:05p | 3:58p | 5:31p |
| Nov 23 | 6:23a | 8:04a | 12:04p | 2:04p | 3:57p | 5:30p |
| Nov 24 | 6:25a | 8:06a | 12:04p | 2:03p | 3:55p | 5:29p |
| Nov 25 | 6:27a | 8:08a | 12:05p | 2:02p | 3:54p | 5:28p |
| Nov 26 | 6:28a | 8:10a | 12:05p | 2:01p | 3:53p | 5:27p |
| Nov 27 | 6:30a | 8:12a | 12:05p | 2:00p | 3:52p | 5:26p |
| Nov 28 | 6:32a | 8:13a | 12:06p | 1:59p | 3:51p | 5:25p |
| Nov 29 | 6:33a | 8:15a | 12:06p | 1:58p | 3:49p | 5:25p |
| Nov 30 | 6:35a | 8:17a | 12:06p | 1:57p | 3:48p | 5:24p |
| Dec 1 | 6:37a | 8:19a | 12:07p | 1:56p | 3:48p | 5:23p |


| Dec 2 | 6:38a | 8:20a | 12:07p | 1:55p | 3:47p | 5:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:40a | 8:22a | 12:07p | 1:54p | 3:46p | 5:22p |
| Dec 4 | 6:41a | 8:23a | 12:08p | 1:54p | 3:45p | 5:21p |
| Dec 5 | 6:43a | 8:25a | 12:08p | 1:53p | 3:44p | 5:21p |
| Dec 6 | 6:44a | 8:26a | 12:09p | 1:52p | 3:44p | 5:21p |
| Dec 7 | 6:45a | 8:28a | 12:09p | 1:52p | 3:43p | 5:20p |
| Dec 8 | 6:47a | 8:29a | 12:09p | 1:52p | 3:43p | 5:20p |
| Dec 9 | 6:48a | 8:31a | 12:10p | 1:51p | 3:42p | 5:20p |
| Dec 10 | 6:49a | 8:32a | 12:10p | 1:51p | 3:42p | 5:20p |
| Dec 11 | 6:50a | 8:33a | 12:11p | 1:51p | 3:42p | 5:20p |
| Dec 12 | 6:51a | 8:34a | 12:11p | 1:50p | 3:41p | 5:20p |
| Dec 13 | 6:52a | 8:35a | 12:12p | 1:50p | 3:41p | 5:20p |
| Dec 14 | 6:53a | 8:36a | 12:12p | 1:50p | 3:41p | 5:20p |
| Dec 15 | 6:54a | 8:37a | 12:13p | 1:50p | 3:41p | 5:20p |
| Dec 16 | 6:55a | 8:38a | 12:13p | 1:50p | 3:41p | 5:21p |
| Dec 17 | 6:56a | 8:39a | 12:14p | 1:50p | 3:41p | 5:21p |
| Dec 18 | 6:56a | 8:40a | 12:14p | 1:51p | 3:42p | 5:21p |
| Dec 19 | 6:57a | 8:41a | 12:15p | 1:51p | 3:42p | 5:21p |
| Dec 20 | 6:58a | 8:41a | 12:15p | 1:51p | 3:42p | 5:22p |
| Dec 21 | 6:58a | 8:42a | 12:16p | 1:52p | 3:43p | 5:22p |
| Dec 22 | 6:59a | 8:42a | 12:16p | 1:52p | 3:43p | 5:23p |
| Dec 23 | 6:59a | 8:43a | 12:17p | 1:53p | 3:44p | 5:23p |
| Dec 24 | 7:00a | 8:43a | 12:17p | 1:53p | 3:44p | 5:24p |
| Dec 25 | 7:00a | 8:44a | 12:18p | 1:54p | 3:45p | 5:25p |
| Dec 26 | 7:00a | 8:44a | 12:18p | 1:55p | 3:46p | 5:25p |
| Dec 27 | 7:00a | 8:44a | 12:19p | 1:55p | 3:47p | 5:26p |
| Dec 28 | 7:00a | 8:44a | 12:19p | 1:56p | 3:48p | 5:27p |
| Dec 29 | 7:00a | 8:44a | 12:19p | 1:57p | 3:49p | 5:28p |
| Dec 30 | 7:00a | 8:44a | 12:20p | 1:58p | 3:50p | 5:29p |
| Dec 31 | 7:00a | 8:44a | 12:20p | 1:59p | 3:51p | 5:30p |

## GLASGOW SCOTLAND Lt=55:53N Lg= 4:15W GMT+ 0

Qiblah Compass=122:59E(2006.91) Qiblah from True North =118:19E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $7: 05 \mathrm{a}$ |
| Jan 2 | $7: 04 \mathrm{a}$ |
| Jan 3 | $7: 04 \mathrm{a}$ |
| Jan 4 | $7: 04 \mathrm{a}$ |
| Jan 5 | $7: 04 \mathrm{a}$ |
| Jan 6 | $7: 03 \mathrm{a}$ |
| Jan 7 | $7: 03 \mathrm{a}$ |
| Jan 8 | $7: 02 \mathrm{a}$ |
| Jan 9 | $7: 01 \mathrm{a}$ |
| Jan 10 | $7: 01 \mathrm{a}$ |

Jan 11 7:00a
Jan 12 6:59a
Jan 13 6:58a
Jan 14 6:57a
Jan 15 6:56a
Jan 16 6:55a
Jan 17 6:54a

| Jan 18 | 6:53a | 8:34a | 12:32p | 2:30p | 4:24p | 5:58p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 19 | 6:52a | 8:33a | 12:32p | 2:31p | 4:26p | 5:59p |
| Jan 20 | 6:51a | 8:32a | 12:33p | 2:33p | 4:28p | 6:01p |
| Jan 21 | 6:49a | 8:30a | 12:33p | 2:35p | 4:30p | 6:03p |
| Jan 22 | 6:48a | 8:29a | 12:33p | 2:37p | 4:32p | 6:04p |
| Jan 23 | 6:47a | 8:27a | 12:34p | 2:39p | 4:34p | 6:06p |
| Jan 24 | 6:45a | 8:26a | 12:34p | 2:40p | 4:36p | 6:08p |
| Jan 25 | 6:44a | 8:24a | 12:34p | 2:42p | 4:38p | 6:10p |
| Jan 26 | 6:42a | 8:23a | 12:34p | 2:44p | 4:40p | 6:12p |
| Jan 27 | 6:41a | 8:21a | 12:35p | 2:46p | 4:42p | 6:14p |
| Jan 28 | 6:39a | 8:19a | 12:35p | 2:48p | 4:44p | 6:15p |
| Jan 29 | 6:37a | 8:18a | 12:35p | 2:50p | 4:46p | 6:17p |


| Jan 30 | 6:36a | 8:16a | 12:35p | 2:52p | 4:48p | 6:19p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:34a | 8:14a | 12:35p | 2:54p | 4:51p | 6:21p |
| Feb 1 | 6:32a | 8:12a | 12:35p | 2:56p | 4:53p | 6:23p |
| Feb 2 | 6:30a | 8:10a | 12:36p | 2:58p | 4:55p | 6:25p |
| Feb 3 | 6:29a | 8:08a | 12:36p | 3:00p | 4:57p | 6:27p |
| Feb 4 | 6:27a | 8:06a | 12:36p | 3:02p | 4:59p | 6:29p |
| Feb 5 | 6:25a | 8:04a | 12:36p | 3:04p | 5:01p | 6:31p |
| Feb 6 | 6:23a | 8:02a | 12:36p | 3:06p | 5:04p | 6:32p |
| Feb 7 | 6:21a | 8:00a | 12:36p | 3:08p | 5:06p | 6:34p |
| Feb 8 | 6:19a | 7:58a | 12:36p | 3:10p | 5:08p | 6:36p |
| Feb 9 | 6:17a | 7:56a | 12:36p | 3:12p | 5:10p | 6:38p |
| Feb 10 | 6:15a | 7:54a | 12:36p | $3: 14 \mathrm{p}$ | 5:12p | 6:40p |
| Feb 11 | 6:13a | 7:52a | 12:36p | 3:16p | 5:14p | 6:42p |
| Feb 12 | 6:11a | 7:50a | 12:36p | 3:18p | 5:17p | 6:44p |
| Feb 13 | 6:09a | 7:47a | 12:36p | 3:20p | 5:19p | 6:46p |
| Feb 14 | 6:07a | 7:45a | 12:36p | 3:22p | 5:21p | 6:48p |
| Feb 15 | 6:05a | 7:43a | 12:36p | 3:24p | 5:23p | 6:50p |
| Feb 16 | 6:02a | 7:41a | 12:36p | 3:26p | 5:25p | 6:52p |
| Feb 17 | 6:00a | 7:38a | 12:36p | 3:28p | 5:28p | 6:54p |
| Feb 18 | 5:58a | 7:36a | 12:36p | 3:30p | 5:30p | 6:56p |
| Feb 19 | 5:56a | 7:34a | 12:36p | 3:32p | 5:32p | 6:57p |
| Feb 20 | 5:53a | 7:31a | 12:36p | 3:34p | 5:34p | 6:59p |
| Feb 21 | 5:51a | 7:29a | 12:36p | 3:36p | 5:36p | 7:01p |
| Feb 22 | 5:49a | 7:27a | 12:36p | 3:38p | 5:38p | 7:03p |
| Feb 23 | 5:47a | 7:24a | 12:35p | 3:40p | 5:41p | 7:05p |
| Feb 24 | 5:44a | 7:22a | 12:35p | 3:42p | 5:43p | 7:07p |
| Feb 25 | 5:42a | 7:19a | 12:35p | 3:44p | 5:45p | 7:09p |
| Feb 26 | 5:40a | 7:17a | 12:35p | 3:46p | 5:47p | 7:11p |
| Feb 27 | 5:37a | 7:14a | 12:35p | 3:48p | 5:49p | 7:13p |
| Feb 28 | 5:35a | 7:12a | 12:35p | 3:49p | 5:51p | 7:15p |
| Mar 1 | 5:32a | 7:09a | 12:34p | 3:51p | 5:53p | 7:16p |
| Mar 2 | 5:30a | 7:07a | 12:34p | 3:53p | 5:56p | 7:18p |
| Mar 3 | 5:28a | 7:04a | 12:34p | 3:55p | 5:58p | 7:20p |
| Mar 4 | 5:25a | 7:02a | 12:34p | 3:57p | 6:00p | 7:22p |


| Mar 5 | 5:23a | 6:59a | 12:34p | 3:59p | 6:02p | 7:24p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:20a | 6:57a | 12:33p | 4:01p | 6:04p | 7:26p |
| Mar 7 | 5:18a | 6:54a | 12:33p | 4:02p | 6:06p | 7:27p |
| Mar 8 | 5:15a | 6:52a | 12:33p | 4:04p | 6:08p | 7:29p |
| Mar 9 | 5:13a | 6:49a | 12:33p | 4:06p | 6:10p | 7:31p |
| Mar 10 | 5:11a | 6:47a | 12:32p | 4:08p | 6:12p | 7:33p |
| Mar 11 | 5:08a | 6:44a | 12:32p | 4:09p | 6:14p | 7:35p |
| Mar 12 | 5:06a | 6:41a | 12:32p | 4:11p | 6:16p | 7:37p |
| Mar 13 | 5:03a | 6:39a | 12:32p | 4:13p | 6:19p | 7:38p |
| Mar 14 | 5:01a | 6:36a | 12:31p | 4:15p | 6:21p | 7:40p |
| Mar 15 | 4:58a | 6:34a | 12:31p | 4:16p | 6:23p | 7:42p |
| Mar 16 | 4:56a | 6:31a | 12:31p | 4:18p | 6:25p | 7:44p |
| Mar 17 | 4:53a | 6:28a | 12:31p | 4:20p | 6:27p | 7:46p |
| Mar 18 | 4:50a | 6:26a | 12:30p | 4:21p | 6:29p | 7:47p |
| Mar 19 | 4:48a | 6:23a | 12:30p | 4:23p | 6:31p | 7:49p |
| Mar 20 | 4:45a | 6:20a | 12:30p | 4:25p | 6:33p | 7:51p |
| Mar 21 | 4:43a | 6:18a | 12:29p | 4:26p | 6:35p | 7:53p |
| Mar 22 | 4:40a | 6:15a | 12:29p | 4:28p | 6:37p | 7:55p |
| Mar 23 | 4:37a | 6:13a | 12:29p | 4:30p | 6:39p | 7:56p |
| Mar 24 | 4:34a | 6:10a | 12:29p | 4:31p | 6:41p | 7:58p |
| Mar 25 | 5:32a | 7:07a | 1:28p | 5:33p | 7:43p | 9:00p |
| Mar 26 | 5:29a | 7:05a | 1:28p | 5:34p | 7:45p | 9:02p |
| Mar 27 | 5:26a | 7:02a | 1:28p | 5:36p | 7:47p | 9:03p |
| Mar 28 | 5:23a | 6:59a | 1:27p | 5:37p | 7:49p | 9:05p |
| Mar 29 | 5:20a | 6:57a | 1:27p | 5:39p | 7:51p | 9:07p |
| Mar 30 | 5:17a | 6:54a | 1:27p | 5:40p | 7:53p | 9:09p |
| Mar 31 | 5:14a | 6:52a | 1:26p | 5:42p | 7:55p | 9:10p |
| Apr 1 | 5:11a | 6:49a | 1:26p | 5:43p | 7:57p | 9:12p |
| Apr 2 | 5:08a | 6:46a | 1:26p | 5:45p | 7:59p | 9:14p |
| Apr 3 | 5:05a | 6:44a | 1:26p | 5:46p | 8:01p | 9:16p |
| Apr 4 | 5:02a | 6:41a | 1:25p | 5:48p | 8:03p | 9:18p |
| Apr 5 | 4:59a | 6:38a | 1:25p | 5:49p | 8:05p | 9:19p |
| Apr 6 | 4:56a | 6:36a | 1:25p | 5:51p | 8:07p | 9:21p |
| Apr 7 | 4:53a | 6:33a | 1:24p | 5:52p | 8:09p | 9:23p |
| 230 |  |  |  |  |  |  |


| Apr 8 | 4:51a | 6:31a | 1:24p | 5:54p | 8:11p | 9:25p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:48a | 6:28a | 1:24p | 5:55p | 8:13p | 9:26p |
| Apr 10 | 4:45a | 6:26a | 1:24p | 5:57p | 8:16p | 9:28p |
| Apr 11 | 4:42a | 6:23a | 1:23p | 5:58p | 8:18p | 9:30p |
| Apr 12 | 4:39a | 6:20a | 1:23p | 6:00p | 8:20p | 9:32p |
| Apr 13 | 4:36a | 6:18a | 1:23p | 6:01p | 8:22p | 9:33p |
| Apr 14 | 4:33a | 6:15a | 1:22p | 6:02p | 8:24p | 9:35p |
| Apr 15 | 4:30a | 6:13a | 1:22p | 6:04p | 8:26p | 9:37p |
| Apr 16 | 4:28a | 6:10a | 1:22p | 6:05p | 8:28p | 9:39p |
| Apr 17 | 4:25a | 6:08a | 1:22p | 6:06p | 8:30p | 9:41p |
| Apr 18 | 4:22a | 6:05a | 1:22p | 6:08p | 8:32p | 9:42p |
| Apr 19 | 4:19a | 6:03a | 1:21p | 6:09p | 8:34p | $9: 44 \mathrm{p}$ |
| Apr 20 | 4:17a | 6:00a | 1:21p | 6:10p | 8:36p | 9:46p |
| Apr 21 | 4:14a | 5:58a | 1:21p | 6:12p | 8:38p | 9:48p |
| Apr 22 | 4:11a | 5:56a | 1:21p | 6:13p | 8:40p | 9:49p |
| Apr 23 | 4:08a | 5:53a | 1:20p | 6:14p | 8:42p | 9:51p |
| Apr 24 | 4:06a | 5:51a | 1:20p | 6:16p | 8:44p | 9:53p |
| Apr 25 | 4:03a | 5:48a | 1:20p | 6:17p | 8:46p | 9:55p |
| Apr 26 | 4:00a | 5:46a | 1:20p | 6:18p | 8:48p | 9:57p |
| Apr 27 | 3:58a | 5:44a | 1:20p | 6:20p | 8:50p | 9:58p |
| Apr 28 | 3:55a | 5:41a | 1:20p | 6:21p | 8:52p | 10:00p |
| Apr 29 | 3:52a | 5:39a | 1:19p | 6:22p | 8:54p | 10:02p |
| Apr 30 | 3:50a | 5:37a | 1:19p | 6:23p | 8:56p | 10:04p |
| May 1 | 3:47a | 5:35a | 1:19p | 6:25p | 8:58p | 10:05p |
| May 2 | 3:45a | 5:32a | 1:19p | 6:26p | 9:00p | 10:07p |
| May 3 | 3:42a | 5:30a | 1:19p | 6:27p | 9:02p | 10:09p |
| May 4 | 3:40a | 5:28a | 1:19p | 6:28p | 9:04p | 10:11p |
| May 5 | 3:37a | 5:26a | 1:19p | 6:29p | 9:06p | 10:12p |
| May 6 | 3:35a | 5:24a | 1:19p | 6:31p | 9:08p | 10:14p |
| May 7 | 3:32a | 5:21a | 1:19p | 6:32p | 9:10p | 10:16p |
| May 8 | 3:30a | 5:19a | 1:19p | 6:33p | 9:12p | 10:18p |
| May 9 | 3:27a | 5:17a | 1:18p | 6:34p | $9: 14 \mathrm{p}$ | 10:20p |
| May 10 | 3:25a | 5:15a | 1:18p | 6:35p | $9: 16 p$ | 10:22p |
| May 11 | 3:23a | 5:13a | 1:18p | 6:36p | 9:18p | 10:25p |


| May 12 | 3:20a | 5:11a | 1:18p | 6:38p | 9:20p | 10:27p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:18a | 5:09a | 1:18p | 6:39p | 9:22p | 10:29p |
| May 14 | 3:16a | 5:07a | 1:18p | 6:40p | 9:23p | 10:31p |
| May 15 | 3:14a | 5:06a | 1:18p | 6:41p | 9:25p | 10:34p |
| May 16 | 3:12a | 5:04a | 1:18p | 6:42p | 9:27p | 10:36p |
| May 17 | 3:09a | 5:02a | 1:18p | 6:43p | 9:29p | 10:38p |
| May 18 | 3:07a | 5:00a | 1:18p | 6:44p | 9:31p | 10:40p |
| May 19 | 3:05a | 4:59a | 1:18p | 6:45p | 9:33p | 10:42p |
| May 20 | 3:03a | 4:57a | 1:18p | 6:46p | 9:34p | 10:44p |
| May 21 | 3:01a | 4:55a | 1:19p | 6:47p | 9:36p | 10:46p |
| May 22 | 3:00a | 4:54a | 1:19p | 6:48p | 9:38p | 10:49p |
| May 23 | 2:58a | 4:52a | 1:19p | 6:49p | 9:40p | 10:51p |
| May 24 | 2:56a | 4:51a | 1:19p | 6:50p | 9:41p | 10:53p |
| May 25 | 2:54a | 4:49a | 1:19p | 6:51p | $9: 43 \mathrm{p}$ | 10:55p |
| May 26 | 2:52a | 4:48a | 1:19p | 6:52p | 9:44p | 10:56p |
| May 27 | 2:51a | 4:46a | 1:19p | 6:53p | $9: 46 \mathrm{p}$ | 10:58p |
| May 28 | 2:49a | 4:45a | 1:19p | 6:53p | 9:47p | 11:00p |
| May 29 | 2:47a | 4:44a | 1:19p | 6:54p | 9:49p | 11:02p |
| May 30 | 2:46a | 4:43a | 1:19p | 6:55p | 9:50p | 11:04p |
| May 31 | 2:45a | 4:41a | 1:20p | 6:56p | 9:52p | 11:06p |
| Jun 1 | 2:43a | 4:40a | 1:20p | 6:57p | 9:53p | 11:07p |
| Jun 2 | 2:42a | 4:39a | 1:20p | 6:57p | 9:54p | 11:09p |
| Jun 3 | 2:40a | 4:38a | 1:20p | 6:58p | 9:56p | 11:11p |
| Jun 4 | 2:39a | 4:37a | 1:20p | 6:59p | 9:57p | 11:12p |
| Jun 5 | 2:38a | 4:36a | 1:20p | 7:00p | 9:58p | 11:14p |
| Jun 6 | 2:37a | 4:36a | 1:21p | 7:00p | 9:59p | 11:15p |
| Jun 7 | 2:36a | 4:35a | 1:21p | 7:01p | 10:00p | 11:17p |
| Jun 8 | 2:35a | 4:34a | 1:21p | 7:02p | 10:01p | 11:18p |
| Jun 9 | 2:34a | 4:34a | 1:21p | 7:02p | 10:02p | 11:19p |
| Jun 10 | 2:33a | 4:33a | 1:21p | 7:03p | 10:03p | 11:20p |
| Jun 11 | 2:32a | 4:32a | 1:21p | 7:03p | 10:04p | 11:22p |
| Jun 12 | 2:31a | 4:32a | 1:22p | 7:04p | 10:05p | 11:23p |
| Jun 13 | 2:31a | 4:32a | 1:22p | 7:04p | 10:06p | 11:24p |
| Jun 14 | 2:30a | 4:31a | 1:22p | 7:05p | 10:06p | 11:25p |


| Jun 15 | 2:29a | 4:31a | 1:22p | 7:05p | 10:07p | 11:26p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:29a | 4:31a | 1:23p | 7:06p | 10:08p | 11:27p |
| Jun 17 | 2:29a | 4:31a | 1:23p | 7:06p | 10:08p | 11:28p |
| Jun 18 | 2:28a | 4:31a | 1:23p | 7:06p | 10:09p | 11:28p |
| Jun 19 | 2:28a | 4:31a | 1:23p | 7:07p | 10:09p | 11:29p |
| Jun 20 | 2:28a | 4:31a | 1:23p | 7:07p | 10:09p | 11:30p |
| Jun 21 | 2:27a | 4:31a | 1:24p | 7:07p | 10:09p | 11:30p |
| Jun 22 | 2:27a | 4:31a | 1:24p | 7:07p | 10:10p | 11:31p |
| Jun 23 | 2:28a | 4:31a | 1:24p | 7:08p | 10:10p | 11:31p |
| Jun 24 | 2:29a | 4:32a | 1:24p | 7:08p | 10:10p | 11:30p |
| Jun 25 | 2:29a | 4:32a | 1:24p | 7:08p | 10:10p | 11:30p |
| Jun 26 | 2:30a | 4:33a | 1:25p | 7:08p | 10:10p | 11:30p |
| Jun 27 | 2:31a | 4:33a | 1:25p | 7:08p | 10:09p | 11:29p |
| Jun 28 | 2:32a | 4:34a | 1:25p | 7:08p | 10:09p | 11:28p |
| Jun 29 | 2:33a | 4:34a | 1:25p | 7:08p | 10:09p | 11:28p |
| Jun 30 | 2:34a | 4:35a | 1:25p | 7:08p | 10:09p | 11:27p |
| Jul 1 | 2:35a | 4:36a | 1:26p | 7:08p | 10:08p | 11:26p |
| Jul 2 | 2:36a | 4:37a | 1:26p | 7:08p | 10:08p | 11:26p |
| Jul 3 | 2:37a | 4:38a | 1:26p | 7:08p | 10:07p | 11:25p |
| Jul 4 | 2:39a | 4:39a | 1:26p | 7:08p | 10:07p | 11:24p |
| Jul 5 | 2:40a | 4:40a | 1:26p | 7:07p | 10:06p | 11:23p |
| Jul 6 | 2:41a | 4:41a | 1:27p | 7:07p | 10:05p | 11:22p |
| Jul 7 | 2:43a | 4:42a | 1:27p | 7:07p | 10:04p | 11:21p |
| Jul 8 | 2:44a | 4:43a | 1:27p | 7:07p | 10:03p | 11:19p |
| Jul 9 | 2:46a | 4:44a | 1:27p | 7:06p | 10:03p | 11:18p |
| Jul 10 | 2:47a | 4:45a | 1:27p | 7:06p | 10:02p | 11:17p |
| Jul 11 | 2:49a | 4:47a | 1:27p | 7:05p | 10:01p | 11:15p |
| Jul 12 | 2:50a | 4:48a | 1:28p | 7:05p | 10:00p | 11:14p |
| Jul 13 | 2:52a | 4:49a | 1:28p | 7:04p | 9:58p | 11:12p |
| Jul 14 | 2:54a | 4:51a | 1:28p | 7:04p | 9:57p | 11:11p |
| Jul 15 | 2:55a | 4:52a | 1:28p | 7:03p | 9:56p | 11:09p |
| Jul 16 | 2:57a | 4:53a | 1:28p | 7:03p | 9:55p | 11:08p |
| Jul 17 | 2:59a | 4:55a | 1:28p | 7:02p | 9:53p | 11:06p |
| Jul 18 | 3:01a | 4:57a | 1:28p | 7:01p | 9:52p | 11:04p |


| Jul 19 | 3:03a | 4:58a | 1:28p | 7:01p | 9:50p | 11:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:05a | 5:00a | 1:28p | 7:00p | 9:49p | 11:01p |
| Jul 21 | 3:07a | 5:01a | 1:28p | 6:59p | 9:47p | 10:59p |
| Jul 22 | 3:09a | 5:03a | 1:28p | 6:58p | 9:46p | 10:57p |
| Jul 23 | 3:11a | 5:05a | 1:28p | 6:58p | 9:44p | 10:55p |
| Jul 24 | 3:13a | 5:06a | 1:28p | 6:57p | 9:43p | 10:53p |
| Jul 25 | 3:15a | 5:08a | 1:29p | 6:56p | 9:41p | 10:51p |
| Jul 26 | 3:17a | 5:10a | 1:29p | 6:55p | 9:39p | 10:49p |
| Jul 27 | 3:19a | 5:12a | 1:29p | 6:54p | 9:37p | 10:47p |
| Jul 28 | 3:21a | 5:13a | 1:29p | 6:53p | 9:35p | 10:44p |
| Jul 29 | 3:23a | 5:15a | 1:28p | 6:52p | 9:34p | 10:42p |
| Jul 30 | 3:25a | 5:17a | 1:28p | 6:51p | 9:32p | 10:40p |
| Jul 31 | 3:27a | 5:19a | 1:28p | 6:50p | 9:30p | 10:38p |
| Aug 1 | 3:29a | 5:21a | 1:28p | 6:48p | 9:28p | 10:35p |
| Aug 2 | 3:32a | 5:22a | 1:28p | 6:47p | 9:26p | 10:33p |
| Aug 3 | 3:34a | 5:24a | 1:28p | 6:46p | 9:24p | 10:31p |
| Aug 4 | 3:36a | 5:26a | 1:28p | 6:45p | 9:22p | 10:28p |
| Aug 5 | 3:38a | 5:28a | 1:28p | 6:44p | 9:20p | 10:26p |
| Aug 6 | 3:40a | 5:30a | 1:28p | 6:42p | 9:17p | 10:23p |
| Aug 7 | 3:43a | 5:32a | 1:28p | 6:41p | 9:15p | 10:21p |
| Aug 8 | 3:45a | 5:34a | 1:28p | 6:40p | 9:13p | 10:19p |
| Aug 9 | 3:47a | 5:36a | 1:28p | 6:38p | 9:11p | 10:17p |
| Aug 10 | 3:49a | 5:38a | 1:27p | 6:37p | 9:09p | 10:15p |
| Aug 11 | 3:52a | 5:40a | 1:27p | 6:35p | 9:07p | 10:13p |
| Aug 12 | 3:54a | 5:42a | 1:27p | 6:34p | 9:04p | 10:11p |
| Aug 13 | 3:56a | 5:44a | 1:27p | 6:32p | 9:02p | 10:09p |
| Aug 14 | 3:58a | 5:45a | 1:27p | 6:31p | 9:00p | 10:07p |
| Aug 15 | 4:01a | 5:47a | 1:27p | 6:29p | 8:57p | 10:05p |
| Aug 16 | 4:03a | 5:49a | 1:26p | 6:28p | 8:55p | 10:03p |
| Aug 17 | 4:05a | 5:51a | 1:26p | 6:26p | 8:53p | 10:01p |
| Aug 18 | 4:07a | 5:53a | 1:26p | 6:24p | 8:50p | 9:59p |
| Aug 19 | 4:10a | 5:55a | 1:26p | 6:23p | 8:48p | 9:57p |
| Aug 20 | 4:12a | 5:57a | 1:26p | 6:21p | 8:45p | 9:54p |
| Aug 21 | 4:14a | 5:59a | 1:25p | 6:19p | 8:43p | 9:52p |


| Aug 22 | 4:16a | 6:01a | 1:25p | 6:18p | 8:41p | 9:50p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:19a | 6:03a | 1:25p | 6:16p | 8:38p | 9:48p |
| Aug 24 | 4:21a | 6:05a | 1:25p | 6:14p | 8:36p | 9:46p |
| Aug 25 | 4:23a | 6:07a | 1:24p | 6:12p | 8:33p | 9:43p |
| Aug 26 | 4:26a | 6:09a | 1:24p | 6:10p | 8:31p | 9:41p |
| Aug 27 | 4:28a | 6:11a | 1:24p | 6:09p | 8:28p | 9:39p |
| Aug 28 | 4:30a | 6:13a | 1:23p | 6:07p | 8:26p | 9:37p |
| Aug 29 | 4:32a | 6:15a | 1:23p | 6:05p | 8:23p | 9:34p |
| Aug 30 | 4:35a | 6:17a | 1:23p | 6:03p | 8:20p | 9:32p |
| Aug 31 | 4:37a | 6:19a | 1:23p | 6:01p | 8:18p | 9:30p |
| Sep 1 | 4:39a | 6:21a | 1:22p | 5:59p | 8:15p | 9:27p |
| Sep 2 | 4:41a | 6:22a | 1:22p | 5:57p | 8:13p | 9:25p |
| Sep 3 | 4:44a | 6:24a | 1:22p | 5:55p | 8:10p | 9:23p |
| Sep 4 | 4:46a | 6:26a | 1:21p | 5:53p | 8:08p | 9:20p |
| Sep 5 | 4:48a | 6:28a | 1:21p | 5:51p | 8:05p | 9:18p |
| Sep 6 | 4:50a | 6:30a | 1:21p | 5:49p | 8:02p | 9:16p |
| Sep 7 | 4:53a | 6:32a | 1:20p | 5:47p | 8:00p | 9:13p |
| Sep 8 | 4:55a | 6:34a | 1:20p | 5:45p | 7:57p | 9:11p |
| Sep 9 | 4:57a | 6:36a | 1:20p | 5:43p | 7:55p | 9:09p |
| Sep 10 | 4:59a | 6:38a | 1:19p | 5:41p | 7:52p | 9:06p |
| Sep 11 | 5:02a | 6:40a | 1:19p | 5:39p | 7:49p | 9:04p |
| Sep 12 | 5:04a | 6:42a | 1:19p | 5:37p | 7:47p | 9:02p |
| Sep 13 | 5:06a | 6:44a | 1:18p | 5:34p | 7:44p | 8:59p |
| Sep 14 | 5:09a | 6:46a | 1:18p | 5:32p | 7:41p | 8:57p |
| Sep 15 | 5:11a | 6:48a | 1:18p | 5:30p | 7:39p | 8:54p |
| Sep 16 | 5:13a | 6:50a | 1:17p | 5:28p | 7:36p | 8:52p |
| Sep 17 | 5:15a | 6:52a | 1:17p | 5:26p | 7:33p | 8:50p |
| Sep 18 | 5:18a | 6:54a | 1:16p | 5:24p | 7:31p | 8:47p |
| Sep 19 | 5:20a | 6:55a | 1:16p | 5:21p | 7:28p | 8:45p |
| Sep 20 | 5:22a | 6:57a | 1:16p | 5:19p | 7:25p | 8:42p |
| Sep 21 | 5:24a | 6:59a | 1:15p | 5:17p | 7:23p | 8:40p |
| Sep 22 | 5:27a | 7:01a | 1:15p | 5:15p | 7:20p | 8:38p |
| Sep 23 | 5:28a | 7:03a | 1:15p | 5:12p | 7:18p | 8:35p |
| Sep 24 | 5:30a | 7:05a | 1:14p | 5:10p | 7:15p | 8:33p |
| 235 |  |  |  |  |  |  |


| Sep 25 | 5:32a | 7:07a | 1:14p | 5:08p | 7:12p | 8:31p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:34a | 7:09a | 1:14p | 5:06p | 7:10p | 8:28p |
| Sep 27 | 5:36a | 7:11a | 1:13p | 5:03p | 7:07p | 8:26p |
| Sep 28 | 5:38a | 7:13a | 1:13p | 5:01p | 7:04p | 8:23p |
| Sep 29 | 5:40a | 7:15a | 1:13p | 4:59p | 7:02p | 8:21p |
| Sep 30 | 5:41a | 7:17a | 1:12p | 4:57p | 6:59p | 8:19p |
| Oct 1 | 5:43a | 7:19a | 1:12p | 4:54p | 6:56p | 8:16p |
| Oct 2 | 5:45a | 7:21a | 1:12p | 4:52p | 6:54p | 8:14p |
| Oct 3 | 5:47a | 7:23a | 1:11p | 4:50p | 6:51p | 8:12p |
| Oct 4 | 5:49a | 7:25a | 1:11p | 4:47p | 6:49p | 8:09p |
| Oct 5 | 5:51a | 7:27a | 1:11p | 4:45p | 6:46p | 8:07p |
| Oct 6 | 5:53a | 7:29a | 1:10p | 4:43p | 6:43p | 8:05p |
| Oct 7 | 5:55a | 7:31a | 1:10p | 4:41p | 6:41p | 8:02p |
| Oct 8 | 5:57a | 7:33a | 1:10p | 4:38p | 6:38p | 8:00p |
| Oct 9 | 5:58a | 7:35a | 1:10p | 4:36p | 6:36p | 7:58p |
| Oct 10 | 6:00a | 7:37a | 1:09p | 4:34p | 6:33p | 7:55p |
| Oct 11 | 6:02a | 7:39a | 1:09p | 4:31p | 6:31p | 7:53p |
| Oct 12 | 6:04a | 7:41a | 1:09p | 4:29p | 6:28p | 7:51p |
| Oct 13 | 6:06a | 7:43a | 1:08p | 4:27p | 6:26p | 7:49p |
| Oct 14 | 6:08a | 7:45a | 1:08p | 4:25p | 6:23p | 7:46p |
| Oct 15 | 6:10a | 7:47a | 1:08p | 4:22p | 6:21p | 7:44p |
| Oct 16 | 6:12a | 7:49a | 1:08p | 4:20p | 6:18p | 7:42p |
| Oct 17 | 6:14a | 7:51a | 1:08p | $4: 18 \mathrm{p}$ | 6:16p | 7:40p |
| Oct 18 | 6:16a | 7:53a | 1:07p | 4:16p | 6:13p | 7:37p |
| Oct 19 | 6:18a | 7:55a | 1:07p | 4:13p | 6:11p | 7:35p |
| Oct 20 | 6:20a | 7:57a | 1:07p | 4:11p | 6:08p | 7:33p |
| Oct 21 | 6:22a | 8:00a | 1:07p | 4:09p | 6:06p | 7:31p |
| Oct 22 | 6:24a | 8:02a | 1:07p | 4:07p | 6:04p | 7:29p |
| Oct 23 | 6:26a | 8:04a | 1:06p | 4:04p | 6:01p | 7:27p |
| Oct 24 | 6:28a | 8:06a | 1:06p | 4:02p | 5:59p | 7:25p |
| Oct 25 | 6:30a | 8:08a | 1:06p | 4:00p | 5:56p | 7:23p |
| Oct 26 | 6:32a | 8:10a | 1:06p | 3:58p | 5:54p | 7:20p |
| Oct 27 | 6:34a | 8:12a | 1:06p | 3:56p | 5:52p | 7:18p |
| Oct 28 | 5:36a | 7:14a | 12:06p | 2:54p | 4:50p | 6:16p |


| Oct 29 | 5:38a | 7:16a | 12:06p | 2:52p | 4:47p | 6:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:40a | 7:18a | 12:06p | 2:50p | 4:45p | 6:12p |
| Oct 31 | 5:42a | 7:21a | 12:06p | 2:48p | 4:43p | 6:10p |
| Nov 1 | 5:44a | 7:23a | 12:06p | 2:45p | 4:41p | 6:09p |
| Nov 2 | 5:46a | 7:25a | 12:06p | 2:43p | 4:39p | 6:07p |
| Nov 3 | 5:48a | 7:27a | 12:06p | 2:41p | 4:36p | 6:05p |
| Nov 4 | 5:50a | 7:29a | 12:06p | 2:40p | 4:34p | 6:03p |
| Nov 5 | 5:52a | 7:31a | 12:06p | 2:38p | 4:32p | 6:01p |
| Nov 6 | 5:54a | 7:33a | 12:06p | 2:36p | 4:30p | 5:59p |
| Nov 7 | 5:56a | 7:35a | 12:06p | 2:34p | 4:28p | 5:58p |
| Nov 8 | 5:58a | 7:38a | 12:06p | 2:32p | 4:26p | 5:56p |
| Nov 9 | 6:00a | 7:40a | 12:06p | 2:30p | 4:24p | 5:54p |
| Nov 10 | 6:02a | 7:42a | 12:06p | 2:28p | 4:22p | 5:52p |
| Nov 11 | 6:04a | 7:44a | 12:06p | 2:27p | 4:20p | 5:51p |
| Nov 12 | 6:06a | 7:46a | 12:06p | 2:25p | 4:19p | 5:49p |
| Nov 13 | 6:08a | 7:48a | 12:06p | 2:23p | 4:17p | 5:48p |
| Nov 14 | 6:10a | 7:50a | 12:06p | 2:22p | 4:15p | 5:46p |
| Nov 15 | 6:12a | 7:52a | 12:06p | 2:20p | 4:13p | 5:45p |
| Nov 16 | 6:14a | 7:54a | 12:07p | 2:18p | 4:12p | 5:43p |
| Nov 17 | 6:16a | 7:56a | 12:07p | 2:17p | 4:10p | 5:42p |
| Nov 18 | 6:18a | 7:58a | 12:07p | 2:15p | 4:08p | 5:41p |
| Nov 19 | 6:19a | 8:00a | 12:07p | 2:14p | 4:07p | 5:39p |
| Nov 20 | 6:21a | 8:02a | 12:07p | 2:13p | 4:05p | 5:38p |
| Nov 21 | 6:23a | 8:04a | 12:08p | 2:11p | 4:04p | 5:37p |
| Nov 22 | 6:25a | 8:06a | 12:08p | 2:10p | 4:02p | 5:36p |
| Nov 23 | 6:27a | 8:08a | 12:08p | 2:09p | 4:01p | 5:35p |
| Nov 24 | 6:29a | 8:10a | 12:08p | 2:07p | 4:00p | 5:34p |
| Nov 25 | 6:30a | 8:12a | 12:09p | 2:06p | 3:58p | 5:33p |
| Nov 26 | 6:32a | 8:14a | 12:09p | 2:05p | 3:57p | 5:32p |
| Nov 27 | 6:34a | 8:15a | 12:09p | 2:04p | 3:56p | 5:31p |
| Nov 28 | 6:36a | 8:17a | 12:10p | 2:03p | 3:55p | 5:30p |
| Nov 29 | 6:37a | 8:19a | 12:10p | 2:02p | 3:54p | 5:29p |
| Nov 30 | 6:39a | 8:21a | 12:10p | 2:01p | 3:53p | 5:28p |
| Dec 1 | 6:40a | 8:22a | 12:11p | 2:00p | 3:52p | 5:28p |


| Dec 2 | 6:42a | 8:24a | 12:11p | 2:00p | 3:51p | 5:27p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:43a | 8:26a | 12:11p | 1:59p | 3:50p | 5:26p |
| Dec 4 | 6:45a | 8:27a | 12:12p | 1:58p | 3:50p | 5:26p |
| Dec 5 | 6:46a | 8:29a | 12:12p | 1:58p | 3:49p | 5:26p |
| Dec 6 | 6:48a | 8:30a | 12:13p | 1:57p | 3:48p | 5:25p |
| Dec 7 | 6:49a | 8:32a | 12:13p | 1:57p | 3:48p | 5:25p |
| Dec 8 | 6:50a | 8:33a | 12:14p | 1:56p | 3:47p | 5:25p |
| Dec 9 | 6:52a | 8:34a | 12:14p | 1:56p | 3:47p | 5:25p |
| Dec 10 | 6:53a | 8:36a | 12:14p | 1:55p | 3:47p | 5:24p |
| Dec 11 | 6:54a | 8:37a | 12:15p | 1:55p | 3:46p | 5:24p |
| Dec 12 | 6:55a | 8:38a | 12:15p | 1:55p | 3:46p | 5:24p |
| Dec 13 | 6:56a | 8:39a | 12:16p | 1:55p | 3:46p | 5:25p |
| Dec 14 | 6:57a | 8:40a | 12:16p | 1:55p | 3:46p | 5:25p |
| Dec 15 | 6:58a | 8:41a | 12:17p | 1:55p | 3:46p | 5:25p |
| Dec 16 | 6:59a | 8:42a | 12:17p | 1:55p | 3:46p | 5:25p |
| Dec 17 | 6:59a | 8:43a | 12:18p | 1:55p | 3:46p | 5:25p |
| Dec 18 | 7:00a | 8:44a | 12:18p | 1:55p | 3:46p | 5:26p |
| Dec 19 | 7:01a | 8:44a | 12:19p | 1:56p | 3:46p | 5:26p |
| Dec 20 | 7:01a | 8:45a | 12:19p | 1:56p | 3:47p | 5:26p |
| Dec 21 | 7:02a | 8:46a | 12:20p | 1:56p | 3:47p | 5:27p |
| Dec 22 | 7:02a | 8:46a | 12:20p | 1:57p | 3:48p | 5:27p |
| Dec 23 | 7:03a | 8:47a | 12:21p | 1:57p | 3:48p | 5:28p |
| Dec 24 | 7:03a | 8:47a | 12:21p | 1:58p | 3:49p | 5:28p |
| Dec 25 | 7:04a | 8:47a | 12:22p | 1:58p | 3:50p | 5:29p |
| Dec 26 | 7:04a | 8:48a | 12:22p | 1:59p | 3:50p | 5:30p |
| Dec 27 | 7:04a | 8:48a | 12:23p | 2:00p | 3:51p | 5:31p |
| Dec 28 | 7:04a | 8:48a | 12:23p | 2:01p | 3:52p | 5:32p |
| Dec 29 | 7:04a | 8:48a | 12:24p | 2:02p | 3:53p | 5:33p |
| Dec 30 | 7:04a | 8:48a | 12:24p | 2:02p | 3:54p | 5:34p |
| Dec 31 | 7:04a | 8:48a | 12:25p | 2:03p | 3:55p | 5:35p |

## HACKNEY London Lt=51:33N Lg= 0:03W GMT+ 0

Qiblah Compass=121:16E(2006.92)Qiblah from True North =119:08E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | $6: 25 \mathrm{a}$ | $8: 06 \mathrm{a}$ | $12: 09 \mathrm{p}$ | $2: 15 \mathrm{p}$ | $4: 05 \mathrm{p}$ | $5: 41 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 2 | $6: 25 \mathrm{a}$ | $8: 06 \mathrm{a}$ | $12: 09 \mathrm{p}$ | $2: 16 \mathrm{p}$ | $4: 06 \mathrm{p}$ | $5: 42 \mathrm{p}$ |

Jan $3 \quad 6: 25 \mathrm{a} \quad 8: 06 \mathrm{a} \quad 12: 09 \mathrm{p} \quad 2: 17 \mathrm{p} \quad 4: 07 \mathrm{p} \quad 5: 43 \mathrm{p}$

| Jan 4 | $6: 25 \mathrm{a}$ | $8: 06 \mathrm{a}$ | $12: 10 \mathrm{p}$ | $2: 18 \mathrm{p}$ | $4: 08 \mathrm{p}$ | $5: 44 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 5 | $6: 25 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 10 \mathrm{p}$ | $2: 19 \mathrm{p}$ | $4: 09 \mathrm{p}$ | $5: 45 \mathrm{p}$ |

Jan $6 \quad 6: 25 a \quad 8: 05 a \quad 12: 11 p \quad 2: 20 p \quad 4: 10 p \quad 5: 46 p$

| Jan 7 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 11 \mathrm{p}$ | $2: 21 \mathrm{p}$ | $4: 12 \mathrm{p}$ | $5: 47 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 8 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 12 \mathrm{p}$ | $2: 22 \mathrm{p}$ | $4: 13 \mathrm{p}$ | $5: 48 \mathrm{p}$ |
| Jan 9 | $6: 23 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 12 \mathrm{p}$ | $2: 24 \mathrm{p}$ | $4: 14 \mathrm{p}$ | $5: 49 \mathrm{p}$ |

Jan $10 \quad$ 6:23a $\quad 8: 03 \mathrm{a} \quad 12: 13 \mathrm{p} \quad 2: 25 \mathrm{p} \quad 4: 16 \mathrm{p} \quad 5: 50 \mathrm{p}$

| Jan 11 | $6: 23 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 13 \mathrm{p}$ | $2: 26 \mathrm{p}$ | $4: 17 \mathrm{p}$ | $5: 51 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 12 | $6: 22 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 13 \mathrm{p}$ | $2: 28 \mathrm{p}$ | $4: 19 \mathrm{p}$ | $5: 52 \mathrm{p}$ |

Jan $13 \quad$ 6:21a $\quad 8: 01 \mathrm{a} \quad 12: 14 \mathrm{p} \quad 2: 29 \mathrm{p} \quad 4: 20 \mathrm{p} \quad 5: 54 \mathrm{p}$
Jan $14 \quad$ 6:21a $\quad 8: 00 \mathrm{a} \quad 12: 14 \mathrm{p} \quad 2: 31 \mathrm{p} \quad 4: 22 \mathrm{p} \quad$ 5:55p
Jan $15 \quad$ 6:20a $\quad 7: 59 \mathrm{a} \quad 12: 14 \mathrm{p} \quad 2: 32 \mathrm{p} \quad 4: 23 \mathrm{p} \quad 5: 56 \mathrm{p}$
Jan $16 \quad$ 6:19a $\quad 7: 59 a \quad 12: 15 p \quad 2: 33 p \quad 4: 25 p \quad 5: 58 p$
Jan $17 \quad$ 6:18a $\quad 7: 58 a \quad 12: 15 p \quad 2: 35 p \quad 4: 26 p \quad 5: 59 p$

| Jan 18 | $6: 18 \mathrm{a}$ | $7: 57 \mathrm{a}$ | $12: 15 \mathrm{p}$ | $2: 36 \mathrm{p}$ | $4: 28 \mathrm{p}$ | $6: 00 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 19 | $6: 17 \mathrm{a}$ | $7: 56 \mathrm{a}$ | $12: 16 \mathrm{p}$ | $2: 38 \mathrm{p}$ | $4: 30 \mathrm{p}$ | $6: 02 \mathrm{p}$ |


| Jan 20 | 6:16a | 7:55a | 12:16p | 2:40p | 4:31p | 6:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 21 | 6:15a | 7:54a | 12:16p | 2:41p | 4:33p | 6:05p |
| Jan 22 | 6:14a | 7:52a | 12:17p | 2:43p | 4:35p | 6:06p |
| Jan 23 | 6:13a | 7:51a | 12:17p | 2:44p | 4:36p | 6:07p |
| Jan 24 | 6:11a | 7:50a | 12:17p | 2:46p | 4:38p | 6:09p |
| Jan 25 | 6:10a | 7:49a | 12:17p | 2:48p | 4:40p | 6:10p |
| Jan 26 | 6:09a | 7:48a | 12:18p | 2:49p | 4:42p | 6:12p |
| Jan 27 | 6:08a | 7:46a | 12:18p | 2:51p | 4:43p | 6:14p |
| Jan 28 | 6:07a | 7:45a | 12:18p | 2:53p | 4:45p | 6:15p |
| Jan 29 | 6:05a | 7:43a | 12:18p | 2:54p | 4:47p | 6:17p |


| Jan 30 | 6:04a | 7:42a | 12:18p | 2:56p | 4:49p | 6:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:02a | 7:40a | 12:19p | 2:58p | 4:50p | 6:20p |
| Feb 1 | 6:01a | 7:39a | 12:19p | 3:00p | 4:52p | 6:21p |
| Feb 2 | 6:00a | 7:37a | 12:19p | 3:01p | 4:54p | 6:23p |
| Feb 3 | 5:58a | 7:36a | 12:19p | 3:03p | 4:56p | 6:24p |
| Feb 4 | 5:57a | 7:34a | 12:19p | 3:05p | 4:58p | 6:26p |
| Feb 5 | 5:55a | 7:33a | 12:19p | 3:06p | 5:00p | 6:28p |
| Feb 6 | 5:53a | 7:31a | 12:19p | 3:08p | 5:01p | 6:29p |
| Feb 7 | 5:52a | 7:29a | 12:19p | 3:10p | 5:03p | 6:31p |
| Feb 8 | 5:50a | 7:27a | 12:19p | 3:12p | 5:05p | 6:32p |
| Feb 9 | 5:48a | 7:26a | 12:19p | 3:13p | 5:07p | 6:34p |
| Feb 10 | 5:47a | 7:24a | 12:19p | 3:15p | 5:09p | 6:36p |
| Feb 11 | 5:45a | 7:22a | 12:19p | 3:17p | 5:11p | 6:37p |
| Feb 12 | 5:43a | 7:20a | 12:19p | 3:18p | 5:12p | 6:39p |
| Feb 13 | 5:42a | 7:18a | 12:19p | 3:20p | 5:14p | 6:40p |
| Feb 14 | 5:40a | 7:16a | 12:19p | 3:22p | 5:16p | 6:42p |
| Feb 15 | 5:38a | 7:14a | 12:19p | 3:23p | 5:18p | 6:44p |
| Feb 16 | 5:36a | 7:13a | 12:19p | 3:25p | 5:20p | 6:45p |
| Feb 17 | 5:34a | 7:11a | 12:19p | 3:27p | 5:22p | 6:47p |
| Feb 18 | 5:32a | 7:09a | 12:19p | 3:28p | 5:23p | 6:48p |
| Feb 19 | 5:31a | 7:07a | 12:19p | 3:30p | 5:25p | 6:50p |
| Feb 20 | 5:29a | 7:05a | 12:19p | 3:32p | 5:27p | 6:51p |
| Feb 21 | 5:27a | 7:03a | 12:19p | 3:33p | 5:29p | 6:53p |
| Feb 22 | 5:25a | 7:01a | 12:19p | 3:35p | 5:31p | 6:55p |
| Feb 23 | 5:23a | 6:59a | 12:19p | 3:37p | 5:32p | 6:56p |
| Feb 24 | 5:21a | 6:56a | 12:18p | 3:38p | 5:34p | 6:58p |
| Feb 25 | 5:19a | 6:54a | 12:18p | 3:40p | 5:36p | 6:59p |
| Feb 26 | 5:17a | 6:52a | 12:18p | 3:42p | 5:38p | 7:01p |
| Feb 27 | 5:15a | 6:50a | 12:18p | 3:43p | 5:40p | 7:02p |
| Feb 28 | 5:13a | 6:48a | 12:18p | 3:45p | 5:41p | 7:04p |
| Mar 1 | 5:11a | 6:46a | 12:18p | 3:46p | 5:43p | 7:05p |
| Mar 2 | 5:09a | 6:44a | 12:17p | 3:48p | 5:45p | 7:07p |
| Mar 3 | 5:07a | 6:42a | 12:17p | 3:49p | 5:47p | 7:09p |
| Mar 4 | 5:04a | 6:39a | 12:17p | 3:51p | 5:48p | 7:10p |


| Mar 5 | 5:02a | 6:37a | 12:17p | 3:52p | 5:50p | 7:12p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:00a | 6:35a | 12:17p | 3:54p | 5:52p | 7:13p |
| Mar 7 | 4:58a | 6:33a | 12:16p | 3:55p | 5:54p | 7:15p |
| Mar 8 | 4:56a | 6:31a | 12:16p | 3:57p | 5:55p | 7:16p |
| Mar 9 | 4:54a | 6:28a | 12:16p | 3:58p | 5:57p | 7:18p |
| Mar 10 | 4:52a | 6:26a | 12:16p | 4:00p | 5:59p | 7:19p |
| Mar 11 | 4:50a | 6:24a | 12:15p | 4:01p | 6:01p | 7:21p |
| Mar 12 | 4:47a | 6:22a | 12:15p | 4:03p | 6:02p | 7:22p |
| Mar 13 | 4:45a | 6:19a | 12:15p | 4:04p | 6:04p | 7:23p |
| Mar 14 | 4:43a | 6:17a | 12:15p | 4:06p | 6:06p | 7:25p |
| Mar 15 | 4:41a | 6:15a | 12:14p | 4:07p | 6:07p | 7:26p |
| Mar 16 | 4:39a | 6:12a | 12:14p | 4:09p | 6:09p | 7:28p |
| Mar 17 | 4:37a | 6:10a | 12:14p | 4:10p | 6:11p | 7:29p |
| Mar 18 | 4:34a | 6:08a | 12:13p | 4:11p | 6:13p | 7:31p |
| Mar 19 | 4:32a | 6:06a | 12:13p | 4:13p | 6:14p | 7:32p |
| Mar 20 | 4:30a | 6:03a | 12:13p | 4:14p | 6:16p | 7:34p |
| Mar 21 | 4:28a | 6:01a | 12:13p | 4:15p | 6:18p | 7:35p |
| Mar 22 | 4:26a | 5:59a | 12:12p | 4:17p | 6:19p | 7:37p |
| Mar 23 | 4:23a | 5:57a | 12:12p | 4:18p | 6:21p | 7:38p |
| Mar 24 | 4:20a | 5:54a | 12:12p | 4:19p | 6:23p | 7:40p |
| Mar 25 | 4:18a | 5:52a | 12:11p | 4:21p | 6:24p | 7:41p |
| Mar 26 | 5:15a | 6:50a | 1:11p | 5:22p | 7:26p | 8:42p |
| Mar 27 | 5:13a | 6:47a | 1:11p | 5:23p | 7:28p | 8:44p |
| Mar 28 | 5:10a | 6:45a | 1:10p | 5:25p | 7:30p | 8:45p |
| Mar 29 | 5:08a | 6:43a | 1:10p | 5:26p | 7:31p | 8:47p |
| Mar 30 | 5:05a | 6:41a | 1:10p | 5:27p | 7:33p | 8:48p |
| Mar 31 | 5:02a | 6:38a | 1:10p | 5:28p | 7:35p | 8:50p |
| Apr 1 | 5:00a | 6:36a | 1:09p | 5:30p | 7:36p | 8:51p |
| Apr 2 | 4:57a | 6:34a | 1:09p | 5:31p | 7:38p | 8:53p |
| Apr 3 | 4:55a | 6:31a | 1:09p | 5:32p | 7:40p | 8:54p |
| Apr 4 | 4:52a | 6:29a | 1:08p | 5:33p | 7:41p | 8:56p |
| Apr 5 | 4:50a | 6:27a | 1:08p | 5:34p | 7:43p | 8:57p |
| Apr 6 | 4:47a | 6:25a | 1:08p | 5:36p | 7:45p | 8:58p |
| Apr 7 | 4:45a | 6:22a | 1:08p | 5:37p | 7:46p | 9:00p |


| Apr 8 | 4:42a | 6:20a | 1:07p | 5:38p | 7:48p | 9:01p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:40a | 6:18a | 1:07p | 5:39p | 7:50p | 9:03p |
| Apr 10 | 4:37a | 6:16a | 1:07p | 5:40p | 7:51p | 9:04p |
| Apr 11 | 4:35a | 6:14a | 1:06p | 5:42p | 7:53p | 9:06p |
| Apr 12 | 4:32a | 6:11a | 1:06p | 5:43p | 7:55p | 9:07p |
| Apr 13 | 4:30a | 6:09a | 1:06p | 5:44p | 7:56p | 9:08p |
| Apr 14 | 4:27a | 6:07a | 1:06p | 5:45p | 7:58p | 9:10p |
| Apr 15 | 4:25a | 6:05a | 1:05p | 5:46p | 8:00p | 9:11p |
| Apr 16 | 4:22a | 6:03a | 1:05p | 5:47p | 8:01p | 9:13p |
| Apr 17 | 4:20a | 6:01a | 1:05p | 5:48p | 8:03p | $9: 14 \mathrm{p}$ |
| Apr 18 | 4:17a | 5:58a | 1:05p | 5:49p | 8:05p | 9:16p |
| Apr 19 | 4:15a | 5:56a | 1:04p | 5:51p | 8:06p | 9:17p |
| Apr 20 | 4:13a | 5:54a | 1:04p | 5:52p | 8:08p | 9:18p |
| Apr 21 | 4:10a | 5:52a | 1:04p | 5:53p | 8:10p | 9:20p |
| Apr 22 | 4:08a | 5:50a | 1:04p | 5:54p | 8:11p | 9:21p |
| Apr 23 | 4:06a | 5:48a | 1:04p | 5:55p | 8:13p | 9:23p |
| Apr 24 | 4:03a | 5:46a | 1:03p | 5:56p | 8:15p | 9:24p |
| Apr 25 | 4:01a | 5:44a | 1:03p | 5:57p | 8:16p | 9:26p |
| Apr 26 | 3:59a | 5:42a | 1:03p | 5:58p | 8:18p | 9:27p |
| Apr 27 | 3:56a | 5:40a | 1:03p | 5:59p | 8:20p | 9:28p |
| Apr 28 | 3:54a | 5:38a | 1:03p | 6:00p | 8:21p | 9:30p |
| Apr 29 | 3:52a | 5:36a | 1:03p | 6:01p | 8:23p | 9:31p |
| Apr 30 | 3:50a | 5:34a | 1:02p | 6:02p | 8:25p | 9:33p |
| May 1 | 3:47a | 5:32a | 1:02p | 6:03p | 8:26p | 9:34p |
| May 2 | 3:45a | 5:30a | 1:02p | 6:04p | 8:28p | 9:36p |
| May 3 | 3:43a | 5:29a | 1:02p | 6:05p | 8:30p | 9:37p |
| May 4 | 3:41a | 5:27a | 1:02p | 6:06p | 8:31p | 9:38p |
| May 5 | 3:39a | 5:25a | 1:02p | 6:07p | 8:33p | 9:40p |
| May 6 | 3:37a | 5:23a | 1:02p | 6:08p | 8:34p | 9:41p |
| May 7 | 3:35a | 5:21a | 1:02p | 6:09p | 8:36p | 9:42p |
| May 8 | 3:33a | 5:20a | 1:02p | 6:10p | 8:38p | 9:44p |
| May 9 | 3:31a | 5:18a | 1:02p | 6:11p | 8:39p | 9:46p |
| May 10 | 3:29a | 5:16a | 1:02p | 6:12p | 8:41p | $9: 48 \mathrm{p}$ |
| May 11 | 3:27a | 5:15a | 1:02p | 6:13p | 8:42p | 9:50p |


| May 12 | 3:25a | 5:13a | 1:02p | 6:14p | 8:44p | 9:52p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:12a | 1:02p | 6:15p | 8:46p | 9:54p |
| May 14 | 3:21a | 5:10a | 1:02p | 6:16p | 8:47p | 9:56p |
| May 15 | 3:19a | 5:08a | 1:02p | 6:17p | 8:49p | 9:57p |
| May 16 | 3:18a | 5:07a | 1:02p | 6:18p | 8:50p | 9:59p |
| May 17 | 3:16a | 5:06a | 1:02p | 6:19p | 8:52p | 10:01p |
| May 18 | 3:14a | 5:04a | 1:02p | 6:19p | 8:53p | 10:03p |
| May 19 | 3:13a | 5:03a | 1:02p | 6:20p | 8:54p | 10:05p |
| May 20 | 3:11a | 5:01a | 1:02p | 6:21p | 8:56p | 10:06p |
| May 21 | 3:09a | 5:00a | 1:02p | 6:22p | 8:57p | 10:08p |
| May 22 | 3:08a | 4:59a | 1:02p | 6:23p | 8:59p | 10:10p |
| May 23 | 3:06a | 4:58a | 1:02p | 6:24p | 9:00p | 10:11p |
| May 24 | 3:05a | 4:57a | 1:02p | 6:24p | 9:01p | 10:13p |
| May 25 | 3:04a | 4:55a | 1:02p | 6:25p | 9:03p | 10:15p |
| May 26 | 3:02a | 4:54a | 1:02p | 6:26p | 9:04p | 10:16p |
| May 27 | 3:01a | 4:53a | 1:02p | 6:27p | 9:05p | 10:18p |
| May 28 | 2:59a | 4:52a | 1:02p | 6:27p | 9:06p | 10:19p |
| May 29 | 2:58a | 4:51a | 1:03p | 6:28p | 9:08p | 10:21p |
| May 30 | 2:57a | 4:50a | 1:03p | 6:29p | 9:09p | 10:22p |
| May 31 | 2:56a | 4:50a | 1:03p | 6:29p | 9:10p | 10:24p |
| Jun 1 | 2:55a | 4:49a | 1:03p | 6:30p | 9:11p | 10:25p |
| Jun 2 | 2:54a | 4:48a | 1:03p | 6:31p | 9:12p | 10:27p |
| Jun 3 | 2:53a | 4:47a | 1:03p | 6:31p | 9:13p | 10:28p |
| Jun 4 | 2:52a | 4:47a | 1:03p | 6:32p | $9: 14 p$ | 10:29p |
| Jun 5 | 2:51a | 4:46a | 1:04p | 6:33p | 9:15p | 10:30p |
| Jun 6 | 2:50a | 4:45a | 1:04p | 6:33p | 9:16p | 10:32p |
| Jun 7 | 2:49a | 4:45a | 1:04p | 6:34p | 9:17p | 10:33p |
| Jun 8 | 2:48a | 4:44a | 1:04p | 6:34p | 9:18p | 10:34p |
| Jun 9 | 2:48a | 4:44a | 1:04p | 6:35p | 9:18p | 10:35p |
| Jun 10 | 2:47a | 4:43a | 1:05p | 6:35p | 9:19p | 10:36p |
| Jun 11 | 2:46a | 4:43a | 1:05p | 6:36p | 9:20p | 10:37p |
| Jun 12 | 2:46a | 4:43a | 1:05p | 6:36p | 9:21p | 10:38p |
| Jun 13 | 2:45a | 4:43a | 1:05p | 6:37p | 9:21p | 10:39p |
| Jun 14 | 2:45a | 4:42a | 1:05p | 6:37p | 9:22p | 10:40p |


| Jun 15 | 2:44a | 4:42a | 1:06p | 6:38p | 9:22p | 10:41p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:44a | 4:42a | 1:06p | 6:38p | 9:23p | 10:42p |
| Jun 17 | 2:44a | 4:42a | 1:06p | 6:38p | 9:23p | 10:42p |
| Jun 18 | 2:43a | 4:42a | 1:06p | 6:39p | 9:24p | 10:43p |
| Jun 19 | 2:43a | 4:42a | 1:06p | 6:39p | 9:24p | 10:44p |
| Jun 20 | 2:43a | 4:42a | 1:07p | 6:39p | 9:24p | 10:44p |
| Jun 21 | 2:43a | 4:43a | 1:07p | 6:39p | 9:24p | 10:45p |
| Jun 22 | 2:43a | 4:43a | 1:07p | 6:40p | 9:25p | 10:45p |
| Jun 23 | 2:43a | 4:43a | 1:07p | 6:40p | 9:25p | 10:45p |
| Jun 24 | 2:44a | 4:43a | 1:07p | 6:40p | 9:25p | 10:45p |
| Jun 25 | 2:45a | 4:44a | 1:08p | 6:40p | 9:25p | 10:45p |
| Jun 26 | 2:45a | 4:44a | 1:08p | 6:40p | 9:25p | 10:44p |
| Jun 27 | 2:46a | 4:45a | 1:08p | 6:40p | 9:25p | 10:44p |
| Jun 28 | 2:47a | 4:45a | 1:08p | 6:40p | 9:25p | 10:43p |
| Jun 29 | 2:48a | 4:46a | 1:09p | 6:40p | 9:24p | 10:43p |
| Jun 30 | 2:49a | 4:46a | 1:09p | 6:40p | 9:24p | 10:42p |
| Jul 1 | 2:50a | 4:47a | 1:09p | 6:40p | 9:24p | 10:42p |
| Jul 2 | 2:50a | 4:48a | 1:09p | 6:40p | 9:23p | 10:41p |
| Jul 3 | 2:52a | 4:48a | 1:09p | 6:40p | 9:23p | 10:40p |
| Jul 4 | 2:53a | 4:49a | 1:09p | 6:40p | 9:23p | 10:40p |
| Jul 5 | 2:54a | 4:50a | 1:10p | 6:40p | 9:22p | 10:39p |
| Jul 6 | 2:55a | 4:51a | 1:10p | 6:40p | 9:22p | 10:38p |
| Jul 7 | 2:56a | 4:52a | 1:10p | 6:40p | 9:21p | 10:37p |
| Jul 8 | 2:57a | 4:53a | 1:10p | 6:39p | 9:20p | 10:36p |
| Jul 9 | 2:59a | 4:54a | 1:10p | 6:39p | 9:20p | 10:35p |
| Jul 10 | 3:00a | 4:55a | 1:10p | 6:39p | 9:19p | 10:34p |
| Jul 11 | 3:01a | 4:56a | 1:11p | 6:38p | 9:18p | 10:33p |
| Jul 12 | 3:03a | 4:57a | 1:11p | 6:38p | 9:17p | 10:32p |
| Jul 13 | 3:04a | 4:58a | 1:11p | 6:38p | 9:16p | 10:31p |
| Jul 14 | 3:05a | 4:59a | 1:11p | 6:37p | 9:15p | 10:29p |
| Jul 15 | 3:07a | 5:00a | 1:11p | 6:37p | 9:14p | 10:28p |
| Jul 16 | 3:08a | 5:01a | 1:11p | 6:36p | 9:13p | 10:27p |
| Jul 17 | 3:10a | 5:03a | 1:11p | 6:36p | 9:12p | 10:25p |
| Jul 18 | 3:11a | 5:04a | 1:11p | 6:35p | 9:11p | 10:24p |


| Jul 19 | 3:13a | 5:05a | 1:11p | 6:35p | 9:10p | 10:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:14a | 5:06a | 1:12p | 6:34p | 9:09p | 10:21p |
| Jul 21 | 3:16a | 5:08a | 1:12p | 6:33p | 9:08p | 10:19p |
| Jul 22 | 3:18a | 5:09a | 1:12p | 6:33p | 9:06p | 10:18p |
| Jul 23 | 3:19a | 5:10a | 1:12p | 6:32p | 9:05p | 10:16p |
| Jul 24 | 3:21a | 5:12a | 1:12p | 6:31p | 9:04p | 10:14p |
| Jul 25 | 3:23a | 5:13a | 1:12p | 6:30p | 9:02p | 10:13p |
| Jul 26 | 3:24a | 5:15a | 1:12p | 6:30p | 9:01p | 10:11p |
| Jul 27 | 3:26a | 5:16a | 1:12p | 6:29p | 8:59p | 10:09p |
| Jul 28 | 3:28a | 5:17a | 1:12p | 6:28p | 8:58p | 10:08p |
| Jul 29 | 3:30a | 5:19a | 1:12p | 6:27p | 8:56p | 10:06p |
| Jul 30 | 3:31a | 5:20a | 1:12p | 6:26p | 8:55p | 10:04p |
| Jul 31 | 3:33a | 5:22a | 1:12p | 6:25p | 8:53p | 10:02p |
| Aug 1 | 3:35a | 5:23a | 1:12p | 6:24p | 8:52p | 10:00p |
| Aug 2 | 3:37a | 5:25a | 1:11p | 6:23p | 8:50p | 9:58p |
| Aug 3 | 3:39a | 5:26a | 1:11p | 6:22p | 8:48p | 9:56p |
| Aug 4 | 3:40a | 5:28a | 1:11p | 6:21p | 8:47p | 9:54p |
| Aug 5 | 3:42a | 5:29a | 1:11p | 6:20p | 8:45p | 9:52p |
| Aug 6 | 3:44a | 5:31a | 1:11p | 6:19p | 8:43p | 9:50p |
| Aug 7 | 3:46a | 5:33a | 1:11p | 6:18p | 8:41p | $9: 48 \mathrm{p}$ |
| Aug 8 | 3:48a | 5:34a | 1:11p | 6:17p | 8:40p | 9:46p |
| Aug 9 | 3:50a | 5:36a | 1:11p | 6:15p | 8:38p | 9:45p |
| Aug 10 | 3:51a | 5:37a | 1:11p | 6:14p | 8:36p | 9:43p |
| Aug 11 | 3:53a | 5:39a | 1:10p | 6:13p | 8:34p | 9:41p |
| Aug 12 | 3:55a | 5:40a | 1:10p | 6:12p | 8:32p | 9:40p |
| Aug 13 | 3:57a | 5:42a | 1:10p | 6:10p | 8:30p | 9:38p |
| Aug 14 | 3:59a | 5:44a | 1:10p | 6:09p | 8:28p | 9:36p |
| Aug 15 | 4:01a | 5:45a | 1:10p | 6:08p | 8:26p | 9:34p |
| Aug 16 | 4:03a | 5:47a | 1:10p | 6:06p | 8:24p | 9:33p |
| Aug 17 | 4:05a | 5:48a | 1:09p | 6:05p | 8:22p | 9:31p |
| Aug 18 | 4:07a | 5:50a | 1:09p | 6:04p | 8:20p | 9:29p |
| Aug 19 | 4:08a | 5:52a | 1:09p | 6:02p | 8:18p | 9:27p |
| Aug 20 | 4:10a | 5:53a | 1:09p | 6:01p | 8:16p | 9:25p |
| Aug 21 | 4:12a | 5:55a | 1:08p | 5:59p | 8:14p | 9:24p |


| Aug 22 | 4:14a | 5:56a | 1:08p | 5:58p | 8:12p | 9:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:16a | 5:58a | 1:08p | 5:56p | 8:10p | 9:20p |
| Aug 24 | 4:18a | 5:59a | 1:08p | 5:55p | 8:08p | 9:18p |
| Aug 25 | 4:20a | 6:01a | 1:07p | 5:53p | 8:05p | 9:16p |
| Aug 26 | 4:22a | 6:03a | 1:07p | 5:51p | 8:03p | 9:14p |
| Aug 27 | 4:23a | 6:04a | 1:07p | 5:50p | 8:01p | 9:12p |
| Aug 28 | 4:25a | 6:06a | 1:07p | 5:48p | 7:59p | 9:10p |
| Aug 29 | 4:27a | 6:07a | 1:06p | 5:47p | 7:57p | 9:08p |
| Aug 30 | 4:29a | 6:09a | 1:06p | 5:45p | 7:55p | 9:06p |
| Aug 31 | 4:31a | 6:11a | 1:06p | 5:43p | 7:52p | 9:04p |
| Sep 1 | 4:33a | 6:12a | 1:05p | 5:41p | 7:50p | 9:02p |
| Sep 2 | 4:35a | 6:14a | 1:05p | 5:40p | 7:48p | 9:00p |
| Sep 3 | 4:37a | 6:15a | 1:05p | 5:38p | 7:46p | 8:58p |
| Sep 4 | 4:39a | 6:17a | 1:04p | 5:36p | 7:43p | 8:56p |
| Sep 5 | 4:40a | 6:19a | 1:04p | 5:35p | 7:41p | 8:54p |
| Sep 6 | 4:42a | 6:20a | 1:04p | 5:33p | 7:39p | 8:52p |
| Sep 7 | 4:44a | 6:22a | 1:03p | 5:31p | 7:37p | 8:50p |
| Sep 8 | 4:46a | 6:23a | 1:03p | 5:29p | $7: 34 \mathrm{p}$ | 8:48p |
| Sep 9 | 4:48a | 6:25a | 1:03p | 5:27p | 7:32p | 8:46p |
| Sep 10 | 4:50a | 6:27a | 1:02p | 5:25p | 7:30p | 8:44p |
| Sep 11 | 4:52a | 6:28a | 1:02p | 5:24p | 7:27p | 8:42p |
| Sep 12 | 4:54a | 6:30a | 1:02p | 5:22p | 7:25p | 8:40p |
| Sep 13 | 4:56a | 6:31a | 1:01p | 5:20p | 7:23p | 8:38p |
| Sep 14 | 4:57a | 6:33a | 1:01p | 5:18p | 7:21p | 8:36p |
| Sep 15 | 4:59a | 6:35a | 1:01p | 5:16p | 7:18p | 8:34p |
| Sep 16 | 5:01a | 6:36a | 1:00p | 5:14p | 7:16p | 8:32p |
| Sep 17 | 5:03a | 6:38a | 1:00p | 5:12p | 7:14p | 8:30p |
| Sep 18 | 5:05a | 6:39a | 1:00p | 5:10p | 7:11p | 8:28p |
| Sep 19 | 5:07a | 6:41a | 12:59p | 5:08p | 7:09p | 8:26p |
| Sep 20 | 5:09a | 6:43a | 12:59p | 5:06p | 7:07p | 8:24p |
| Sep 21 | 5:11a | 6:44a | 12:58p | 5:04p | 7:04p | 8:21p |
| Sep 22 | 5:13a | 6:46a | 12:58p | 5:03p | 7:02p | 8:19p |
| Sep 23 | 5:14a | 6:48a | 12:58p | 5:01p | 7:00p | 8:17p |
| Sep 24 | 5:16a | 6:49a | 12:57p | 4:59p | 6:57p | 8:15p |


| Sep 25 | 5:17a | 6:51a | 12:57p | 4:57p | 6:55p | 8:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:19a | 6:52a | 12:57p | 4:55p | 6:53p | 8:11p |
| Sep 27 | 5:20a | 6:54a | 12:56p | 4:53p | 6:51p | 8:09p |
| Sep 28 | 5:22a | 6:56a | 12:56p | 4:51p | 6:48p | 8:07p |
| Sep 29 | 5:23a | 6:57a | 12:56p | 4:49p | 6:46p | 8:05p |
| Sep 30 | 5:25a | 6:59a | 12:55p | 4:47p | 6:44p | 8:03p |
| Oct 1 | 5:26a | 7:00a | 12:55p | 4:45p | 6:41p | 8:01p |
| Oct 2 | 5:28a | 7:02a | 12:55p | 4:43p | 6:39p | 7:59p |
| Oct 3 | 5:29a | 7:04a | 12:54p | 4:41p | 6:37p | 7:57p |
| Oct 4 | 5:31a | 7:05a | 12:54p | 4:39p | 6:35p | 7:55p |
| Oct 5 | 5:33a | 7:07a | 12:54p | 4:37p | 6:32p | 7:53p |
| Oct 6 | 5:34a | 7:09a | 12:54p | 4:35p | 6:30p | 7:51p |
| Oct 7 | 5:36a | 7:10a | 12:53p | 4:33p | 6:28p | 7:49p |
| Oct 8 | 5:37a | 7:12a | 12:53p | 4:31p | 6:26p | 7:47p |
| Oct 9 | 5:39a | 7:14a | 12:53p | 4:29p | 6:23p | 7:45p |
| Oct 10 | 5:40a | 7:15a | 12:52p | 4:27p | 6:21p | 7:43p |
| Oct 11 | 5:42a | 7:17a | 12:52p | 4:25p | 6:19p | 7:41p |
| Oct 12 | 5:44a | 7:19a | 12:52p | 4:23p | 6:17p | 7:39p |
| Oct 13 | 5:45a | 7:20a | 12:52p | 4:21p | 6:15p | 7:37p |
| Oct 14 | 5:47a | 7:22a | 12:51p | 4:19p | 6:12p | 7:35p |
| Oct 15 | 5:48a | 7:24a | 12:51p | 4:17p | 6:10p | 7:33p |
| Oct 16 | 5:50a | 7:26a | 12:51p | 4:15p | 6:08p | 7:31p |
| Oct 17 | 5:52a | 7:27a | 12:51p | 4:13p | 6:06p | 7:29p |
| Oct 18 | 5:53a | 7:29a | 12:50p | 4:11p | 6:04p | 7:27p |
| Oct 19 | 5:55a | 7:31a | 12:50p | 4:09p | 6:02p | 7:26p |
| Oct 20 | 5:57a | 7:32a | 12:50p | 4:07p | 6:00p | 7:24p |
| Oct 21 | 5:58a | 7:34a | 12:50p | 4:05p | 5:58p | 7:22p |
| Oct 22 | 6:00a | 7:36a | 12:50p | 4:03p | 5:56p | 7:20p |
| Oct 23 | 6:02a | 7:38a | 12:50p | 4:01p | 5:54p | 7:18p |
| Oct 24 | 6:03a | 7:39a | 12:49p | 4:00p | 5:52p | 7:17p |
| Oct 25 | 6:05a | 7:41a | 12:49p | 3:58p | 5:50p | 7:15p |
| Oct 26 | 6:06a | 7:43a | 12:49p | 3:56p | 5:48p | 7:13p |
| Oct 27 | 6:08a | 7:45a | 12:49p | 3:54p | 5:46p | 7:11p |
| Oct 28 | 6:10a | 7:46a | 12:49p | 3:52p | 5:44p | 7:10p |


| Oct 29 | 5:11a | 6:48a | 11:49a | 2:50p | 4:42p | 6:08p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:13a | 6:50a | 11:49a | 2:49p | 4:40p | 6:06p |
| Oct 31 | 5:15a | 6:52a | 11:49a | 2:47p | 4:38p | 6:05p |
| Nov 1 | 5:17a | 6:54a | 11:49a | 2:45p | 4:36p | 6:03p |
| Nov 2 | 5:18a | 6:55a | 11:49a | 2:43p | 4:35p | 6:02p |
| Nov 3 | 5:20a | 6:57a | 11:49a | 2:42p | 4:33p | 6:00p |
| Nov 4 | 5:22a | 6:59a | 11:49a | 2:40p | 4:31p | 5:59p |
| Nov 5 | 5:23a | 7:01a | 11:49a | 2:38p | 4:29p | 5:57p |
| Nov 6 | 5:25a | 7:02a | 11:49a | 2:37p | 4:28p | 5:56p |
| Nov 7 | 5:26a | 7:04a | 11:49a | $2: 35 \mathrm{p}$ | 4:26p | 5:54p |
| Nov 8 | 5:28a | 7:06a | 11:49a | 2:34p | 4:24p | 5:53p |
| Nov 9 | 5:30a | 7:08a | 11:49a | 2:32p | 4:23p | 5:52p |
| Nov 10 | 5:31a | 7:09a | 11:49a | 2:31p | 4:21p | 5:50p |
| Nov 11 | 5:33a | 7:11a | 11:49a | 2:29p | 4:20p | 5:49p |
| Nov 12 | 5:35a | 7:13a | 11:49a | 2:28p | 4:18p | 5:48p |
| Nov 13 | 5:36a | 7:15a | 11:49a | 2:26p | 4:17p | 5:46p |
| Nov 14 | 5:38a | 7:16a | 11:50a | 2:25p | 4:15p | 5:45p |
| Nov 15 | 5:40a | 7:18a | 11:50a | 2:24p | $4: 14 \mathrm{p}$ | 5:44p |
| Nov 16 | 5:41a | 7:20a | 11:50a | 2:22p | 4:13p | 5:43p |
| Nov 17 | 5:43a | 7:21a | 11:50a | 2:21p | 4:11p | 5:42p |
| Nov 18 | 5:45a | 7:23a | 11:50a | 2:20p | 4:10p | 5:41p |
| Nov 19 | 5:46a | 7:25a | 11:50a | 2:19p | 4:09p | 5:40p |
| Nov 20 | 5:48a | 7:26a | 11:51a | 2:18p | 4:08p | 5:39p |
| Nov 21 | 5:49a | 7:28a | 11:51a | 2:17p | 4:06p | 5:38p |
| Nov 22 | 5:51a | 7:30a | 11:51a | 2:16p | 4:05p | 5:37p |
| Nov 23 | 5:52a | 7:31a | 11:51a | 2:15p | 4:04p | 5:36p |
| Nov 24 | 5:54a | 7:33a | 11:52a | 2:14p | 4:03p | 5:36p |
| Nov 25 | 5:55a | 7:35a | 11:52a | 2:13p | 4:02p | 5:35p |
| Nov 26 | 5:57a | 7:36a | 11:52a | 2:12p | 4:01p | 5:34p |
| Nov 27 | 5:58a | 7:38a | 11:53a | 2:11p | 4:01p | 5:34p |
| Nov 28 | 6:00a | 7:39a | 11:53a | 2:10p | 4:00p | 5:33p |
| Nov 29 | 6:01a | 7:41a | 11:53a | 2:09p | 3:59p | 5:33p |
| Nov 30 | 6:02a | 7:42a | 11:54a | 2:09p | 3:58p | 5:32p |
| Dec 1 | 6:04a | 7:43a | 11:54a | 2:08p | 3:58p | 5:32p |


| Dec 2 | 6:05a | 7:45a | 11:54a | 2:08p | 3:57p | 5:31p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:06a | 7:46a | 11:55a | 2:07p | 3:56p | 5:31p |
| Dec 4 | 6:07a | 7:48a | 11:55a | 2:07p | 3:56p | 5:31p |
| Dec 5 | 6:09a | 7:49a | 11:56a | 2:06p | 3:56p | 5:30p |
| Dec 6 | 6:10a | 7:50a | 11:56a | 2:06p | 3:55p | 5:30p |
| Dec 7 | 6:11a | 7:51a | 11:56a | 2:05p | 3:55p | 5:30p |
| Dec 8 | 6:12a | 7:52a | 11:57a | 2:05p | 3:54p | 5:30p |
| Dec 9 | 6:13a | 7:54a | 11:57a | 2:05p | 3:54p | 5:30p |
| Dec 10 | 6:14a | 7:55a | 11:58a | 2:05p | 3:54p | 5:30p |
| Dec 11 | 6:15a | 7:56a | 11:58a | 2:05p | 3:54p | 5:30p |
| Dec 12 | 6:16a | 7:57a | 11:59a | 2:04p | 3:54p | 5:31p |
| Dec 13 | 6:17a | 7:58a | 11:59a | 2:04p | 3:54p | 5:31p |
| Dec 14 | 6:17a | 7:59a | 12:00n | 2:05p | 3:54p | 5:31p |
| Dec 15 | 6:18a | 7:59a | 12:00n | 2:05p | 3:54p | 5:31p |
| Dec 16 | 6:19a | 8:00a | 12:01p | 2:05p | 3:54p | 5:32p |
| Dec 17 | 6:20a | 8:01a | 12:01p | 2:05p | 3:54p | 5:32p |
| Dec 18 | 6:20a | 8:02a | 12:02p | 2:05p | 3:55p | 5:32p |
| Dec 19 | 6:21a | 8:02a | 12:02p | 2:06p | 3:55p | 5:33p |
| Dec 20 | 6:22a | 8:03a | 12:02p | 2:06p | 3:55p | 5:33p |
| Dec 21 | 6:22a | 8:04a | 12:03p | 2:06p | 3:56p | 5:33p |
| Dec 22 | 6:23a | 8:04a | 12:03p | 2:07p | 3:56p | 5:34p |
| Dec 23 | 6:23a | 8:04a | 12:04p | 2:07p | 3:57p | 5:35p |
| Dec 24 | 6:23a | 8:05a | 12:04p | 2:08p | 3:58p | 5:35p |
| Dec 25 | 6:24a | 8:05a | 12:05p | 2:09p | 3:58p | 5:36p |
| Dec 26 | 6:24a | 8:06a | 12:05p | 2:09p | 3:59p | 5:37p |
| Dec 27 | 6:24a | 8:06a | 12:06p | 2:10p | 4:00p | 5:37p |
| Dec 28 | 6:24a | 8:06a | 12:06p | 2:11p | 4:01p | 5:38p |
| Dec 29 | 6:25a | 8:06a | 12:07p | 2:12p | 4:01p | 5:39p |
| Dec 30 | 6:25a | 8:06a | 12:07p | 2:12p | 4:02p | 5:40p |
| Dec 31 | 6:25a | 8:06a | 12:08p | 2:13p | 4:03p | 5:41p |

## LEICESTER Lt=52:38N Lg= 1:05W GMT+ 0

Qiblah Compass=121:41E(2006.91) Qiblah from True North =118:59E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $6: 34 \mathrm{a}$ |
| Jan 2 | $6: 34 \mathrm{a}$ |
| Jan 3 | $6: 34 \mathrm{a}$ |
| Jan 4 | $6: 34 \mathrm{a}$ |
| Jan 5 | $6: 34 \mathrm{a}$ |
| Jan 6 | $6: 34 \mathrm{a}$ |
| Jan 7 | $6: 33 \mathrm{a}$ |
| Jan 8 | $6: 33 \mathrm{a}$ |
| Jan 9 | 6:32a |
| Jan 10 | $6: 32 \mathrm{a}$ |
| Jan 11 | $6: 31 \mathrm{a}$ |
| Jan 12 | $6: 31 \mathrm{a}$ |

Jan 13 6:30a
Jan 14 6:29a
Jan 15 6:29a
Jan 16 6:28a
Jan 17 6:27a
Jan 18 6:26a
Jan 19 6:25a
Jan 20 6:24a
Jan 21 6:23a
Jan 22 6:22a
8:01a 12:21p
Jan 23 6:21a
Jan 24 6:20a
Jan 25 6:18a
Jan 26 6:17a
Jan 27 6:16a
Jan 28 6:15a
Jan 29 6:13a Sunrise Zuhr $\operatorname{Asr}(\mathrm{H}) \quad$ Maghrib Isha 8:16a 12:13p

2:12p 2:13p
2:14p
2:16p
2:17p
8:14a $12: 15 p \quad 2: 18 p \quad 4: 09 p \quad 5: 44 p$

2:19p
2:20p
2:22p

8
8
8

| 8.11 a | 12.17 p | 2.26 p | 4.17 p | 5.51 p |
| :--- | :--- | :--- | :--- | :--- |
| $8: 10 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 27 \mathrm{p}$ | $4: 19 \mathrm{p}$ | $5: 53 \mathrm{p}$ |

8:09a $12: 18$ p
8:09a $\quad 12: 18 p \quad 2: 30 p \quad 4: 22 p \quad 5: 55 p$
8:08a $\quad 12: 19$ p $\quad 2: 32$ p $\quad 4: 24$ p $\quad 5: 57$ p

8

| $8: 07 a$ | $12: 19 p$ |
| :--- | :--- |
| $8: 06 a$ | $12: 20 p$ |

$2: 23 p$
$2: 24 p$

| $4: 03 \mathrm{p}$ | $5: 40 \mathrm{p}$ |
| :--- | :--- |
| $4: 04 \mathrm{p}$ | $5: 41 \mathrm{p}$ |

8:15a $\quad 12: 13 p \quad 2: 14 p \quad 4: 05 p \quad 5: 42 p$
8:15a 12:14p
8:15a 12:14p
$4: 06 \mathrm{p} \quad 5: 42 \mathrm{p}$
4:08p $\quad 5: 43 p$
8:14a 12:15p
4:10p $\quad 5: 46 p$
4:12p $\quad 5: 47 \mathrm{p}$
4:13p $\quad 5: 48 p$
$8: 12 \mathrm{a} \quad 12: 17 \mathrm{p} \quad 2: 23 \mathrm{p} \quad 4: 14 \mathrm{p} \quad 5: 49 \mathrm{p}$
8:12a $\quad 12: 17 \mathrm{p} \quad 2: 24 \mathrm{p} \quad 4: 16 \mathrm{p} \quad 5: 50 \mathrm{p}$
8:11a $\quad 12: 17 \mathrm{p} \quad 2: 26 \mathrm{p} \quad 4: 17 \mathrm{p} \quad 5: 51 \mathrm{p}$
8:06a $\quad 12: 20$ p $\quad 2: 35$ p $\quad 4: 27 p \quad 6: 00 p$
8:05a $\quad 12: 20 \mathrm{p} \quad 2: 36 \mathrm{p} \quad 4: 29 \mathrm{p} \quad 6: 01 \mathrm{p}$
8:04a $\quad 12: 20 \mathrm{p} \quad 2: 38 \mathrm{p} \quad 4: 30 \mathrm{p} \quad 6: 03 \mathrm{p}$
8:02a $\quad 12: 20 \mathrm{p}$
2:40p
4:32p 6:04p
2:41p $4: 34 p \quad 6: 06 p$
8:00a $12: 21 p \quad 2: 43 p \quad 4: 36 p \quad 6: 07 p$
7:59a 12:21p
2:45p 4:38p 6:09p
7:57a $\quad 12: 21 \mathrm{p}$
2:46p 4:39p 6:10p
7:56a $12: 22 \mathrm{p} \quad 2: 48 \mathrm{p} \quad 4: 41 \mathrm{p} \quad 6: 12 \mathrm{p}$
7:55a $\quad 12: 22 p \quad 2: 50 p \quad 4: 43 p \quad 6: 14 p$
7:53a 12:22p
2:52p $\quad 4:$
$4: 45 \mathrm{p} \quad 6: 15 \mathrm{p}$

7:52a 12:22p
2:53p
$4: 47 \mathrm{p} \quad 6: 17 \mathrm{p}$

| Jan 30 | 6:12a | 7:50a | 12:22p | 2:55p | 4:49p | 6:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:10a | 7:49a | 12:23p | 2:57p | 4:50p | 6:20p |
| Feb 1 | 6:09a | 7:47a | 12:23p | 2:59p | 4:52p | 6:22p |
| Feb 2 | 6:07a | 7:45a | 12:23p | 3:00p | 4:54p | 6:23p |
| Feb 3 | 6:06a | 7:44a | 12:23p | 3:02p | 4:56p | 6:25p |
| Feb 4 | 6:04a | 7:42a | 12:23p | 3:04p | 4:58p | 6:27p |
| Feb 5 | 6:02a | 7:40a | 12:23p | 3:06p | 5:00p | 6:28p |
| Feb 6 | 6:01a | 7:39a | 12:23p | 3:08p | 5:02p | 6:30p |
| Feb 7 | 5:59a | 7:37a | 12:23p | 3:09p | 5:04p | 6:32p |
| Feb 8 | 5:57a | 7:35a | 12:23p | 3:11p | 5:06p | 6:33p |
| Feb 9 | 5:56a | 7:33a | 12:24p | 3:13p | 5:08p | 6:35p |
| Feb 10 | 5:54a | 7:31a | 12:24p | 3:15p | 5:09p | 6:37p |
| Feb 11 | 5:52a | 7:29a | 12:24p | 3:16p | 5:11p | 6:38p |
| Feb 12 | 5:50a | 7:28a | 12:24p | 3:18p | 5:13p | 6:40p |
| Feb 13 | 5:48a | 7:26a | 12:24p | 3:20p | 5:15p | 6:42p |
| Feb 14 | 5:47a | 7:24a | 12:24p | 3:22p | 5:17p | 6:43p |
| Feb 15 | 5:45a | 7:22a | 12:23p | $3: 24 \mathrm{p}$ | 5:19p | 6:45p |
| Feb 16 | 5:43a | 7:20a | 12:23p | 3:25p | 5:21p | 6:47p |
| Feb 17 | 5:41a | 7:18a | 12:23p | 3:27p | 5:23p | 6:48p |
| Feb 18 | 5:39a | 7:16a | 12:23p | 3:29p | 5:25p | 6:50p |
| Feb 19 | 5:37a | 7:14a | 12:23p | 3:31p | 5:27p | 6:52p |
| Feb 20 | 5:35a | 7:11a | 12:23p | 3:32p | 5:29p | 6:53p |
| Feb 21 | 5:33a | 7:09a | 12:23p | 3:34p | 5:30p | 6:55p |
| Feb 22 | 5:31a | 7:07a | 12:23p | 3:36p | 5:32p | 6:57p |
| Feb 23 | 5:29a | 7:05a | 12:23p | 3:37p | 5:34p | 6:58p |
| Feb 24 | 5:27a | 7:03a | 12:23p | 3:39p | 5:36p | 7:00p |
| Feb 25 | 5:25a | 7:01a | 12:23p | 3:41p | 5:38p | 7:01p |
| Feb 26 | 5:23a | 6:59a | 12:22p | 3:42p | 5:40p | 7:03p |
| Feb 27 | 5:21a | 6:56a | 12:22p | 3:44p | 5:42p | 7:05p |
| Feb 28 | 5:18a | 6:54a | 12:22p | 3:46p | 5:44p | 7:06p |
| Mar 1 | 5:16a | 6:52a | 12:22p | 3:47p | 5:45p | 7:08p |
| Mar 2 | 5:14a | 6:50a | 12:22p | 3:49p | 5:47p | 7:10p |
| Mar 3 | 5:12a | 6:48a | 12:21p | 3:51p | 5:49p | 7:11p |
| Mar 4 | 5:10a | 6:45a | 12:21p | 3:52p | 5:51p | 7:13p |


| Mar 5 | 5:08a | 6:43a | 12:21p | 3:54p | 5:53p | 7:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:06a | 6:41a | 12:21p | 3:55p | 5:55p | 7:16p |
| Mar 7 | 5:03a | 6:38a | 12:21p | 3:57p | 5:56p | 7:17p |
| Mar 8 | 5:01a | 6:36a | 12:20p | 3:59p | 5:58p | 7:19p |
| Mar 9 | 4:59a | 6:34a | 12:20p | 4:00p | 6:00p | 7:21p |
| Mar 10 | 4:57a | 6:31a | 12:20p | 4:02p | 6:02p | 7:22p |
| Mar 11 | 4:54a | 6:29a | 12:20p | 4:03p | 6:04p | 7:24p |
| Mar 12 | 4:52a | 6:27a | 12:19p | 4:05p | 6:06p | 7:25p |
| Mar 13 | 4:50a | 6:24a | 12:19p | 4:06p | 6:07p | 7:27p |
| Mar 14 | 4:48a | 6:22a | 12:19p | 4:08p | 6:09p | 7:28p |
| Mar 15 | 4:45a | 6:20a | 12:18p | 4:09p | 6:11p | 7:30p |
| Mar 16 | 4:43a | 6:17a | 12:18p | 4:11p | 6:13p | 7:31p |
| Mar 17 | 4:41a | 6:15a | 12:18p | 4:12p | 6:14p | 7:33p |
| Mar 18 | 4:39a | 6:13a | 12:18p | 4:14p | 6:16p | 7:35p |
| Mar 19 | 4:36a | 6:10a | 12:17p | 4:15p | 6:18p | 7:36p |
| Mar 20 | 4:34a | 6:08a | 12:17p | 4:17p | 6:20p | 7:38p |
| Mar 21 | 4:32a | 6:06a | 12:17p | 4:18p | 6:22p | 7:39p |
| Mar 22 | 4:30a | 6:03a | 12:16p | 4:19p | 6:23p | 7:41p |
| Mar 23 | 4:27a | 6:01a | 12:16p | 4:21p | 6:25p | 7:42p |
| Mar 24 | 4:24a | 5:59a | 12:16p | 4:22p | 6:27p | 7:44p |
| Mar 25 | 5:22a | 6:56a | 1:16p | 5:23p | 7:29p | 8:45p |
| Mar 26 | 5:19a | 6:54a | 1:15p | 5:25p | 7:30p | 8:47p |
| Mar 27 | 5:16a | 6:51a | 1:15p | 5:26p | 7:32p | 8:48p |
| Mar 28 | 5:14a | 6:49a | 1:15p | 5:28p | 7:34p | 8:50p |
| Mar 29 | 5:11a | 6:47a | 1:14p | 5:29p | 7:36p | 8:51p |
| Mar 30 | 5:08a | 6:44a | 1:14p | 5:30p | 7:38p | 8:53p |
| Mar 31 | 5:06a | 6:42a | 1:14p | 5:31p | 7:39p | 8:54p |
| Apr 1 | 5:03a | 6:40a | 1:13p | 5:33p | 7:41p | 8:56p |
| Apr 2 | 5:00a | 6:37a | 1:13p | 5:34p | 7:43p | 8:58p |
| Apr 3 | 4:58a | 6:35a | 1:13p | 5:35p | 7:45p | 8:59p |
| Apr 4 | 4:55a | 6:33a | 1:13p | 5:37p | 7:46p | 9:01p |
| Apr 5 | 4:53a | 6:30a | 1:12p | 5:38p | 7:48p | 9:02p |
| Apr 6 | 4:50a | 6:28a | 1:12p | 5:39p | 7:50p | 9:04p |
| Apr 7 | 4:47a | 6:26a | 1:12p | 5:40p | 7:52p | 9:05p |
| 252 |  |  |  |  |  |  |


| Apr 8 | 4:45a | 6:23a | 1:11p | 5:42p | 7:53p | 9:07p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:42a | 6:21a | 1:11p | 5:43p | 7:55p | 9:08p |
| Apr 10 | 4:39a | 6:19a | 1:11p | 5:44p | 7:57p | 9:10p |
| Apr 11 | 4:37a | 6:16a | 1:11p | 5:45p | 7:59p | 9:11p |
| Apr 12 | 4:34a | 6:14a | 1:10p | 5:47p | 8:00p | 9:13p |
| Apr 13 | 4:32a | 6:12a | 1:10p | 5:48p | 8:02p | 9:14p |
| Apr 14 | 4:29a | 6:10a | 1:10p | 5:49p | 8:04p | 9:16p |
| Apr 15 | 4:27a | 6:07a | 1:10p | 5:50p | 8:06p | 9:17p |
| Apr 16 | 4:24a | 6:05a | 1:09p | 5:51p | 8:07p | 9:19p |
| Apr 17 | 4:22a | 6:03a | 1:09p | 5:53p | 8:09p | 9:20p |
| Apr 18 | 4:19a | 6:01a | 1:09p | 5:54p | 8:11p | 9:22p |
| Apr 19 | 4:17a | 5:59a | 1:09p | 5:55p | 8:13p | 9:23p |
| Apr 20 | 4:14a | 5:56a | 1:08p | 5:56p | 8:14p | 9:25p |
| Apr 21 | 4:12a | 5:54a | 1:08p | 5:57p | 8:16p | 9:26p |
| Apr 22 | 4:09a | 5:52a | 1:08p | 5:58p | 8:18p | 9:28p |
| Apr 23 | 4:07a | 5:50a | 1:08p | 6:00p | 8:20p | 9:29p |
| Apr 24 | 4:04a | 5:48a | 1:08p | 6:01p | 8:21p | 9:31p |
| Apr 25 | 4:02a | 5:46a | 1:07p | 6:02p | 8:23p | 9:32p |
| Apr 26 | 4:00a | 5:44a | 1:07p | 6:03p | 8:25p | 9:34p |
| Apr 27 | 3:57a | 5:42a | 1:07p | 6:04p | 8:27p | 9:35p |
| Apr 28 | 3:55a | 5:40a | 1:07p | 6:05p | 8:28p | 9:37p |
| Apr 29 | 3:53a | 5:37a | 1:07p | 6:06p | 8:30p | 9:38p |
| Apr 30 | 3:50a | 5:35a | 1:07p | 6:07p | 8:32p | 9:40p |
| May 1 | 3:48a | 5:34a | 1:07p | 6:08p | 8:34p | 9:41p |
| May 2 | 3:46a | 5:32a | 1:06p | 6:09p | 8:35p | 9:43p |
| May 3 | 3:43a | 5:30a | 1:06p | 6:10p | 8:37p | 9:44p |
| May 4 | 3:41a | 5:28a | 1:06p | 6:12p | 8:39p | 9:46p |
| May 5 | 3:39a | 5:26a | 1:06p | 6:13p | 8:40p | 9:47p |
| May 6 | 3:37a | 5:24a | 1:06p | 6:14p | 8:42p | 9:49p |
| May 7 | 3:35a | 5:22a | 1:06p | 6:15p | 8:44p | 9:50p |
| May 8 | 3:33a | 5:20a | 1:06p | 6:16p | 8:46p | 9:52p |
| May 9 | 3:31a | 5:18a | 1:06p | 6:17p | 8:47p | 9:54p |
| May 10 | 3:29a | 5:17a | 1:06p | 6:18p | 8:49p | 9:56p |
| May 11 | 3:26a | 5:15a | 1:06p | 6:19p | 8:51p | 9:58p |
|  |  |  | 253 |  |  |  |


| May 12 | 3:24a | 5:13a | 1:06p | 6:20p | 8:52p | 10:00p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:12a | 1:06p | 6:21p | 8:54p | 10:02p |
| May 14 | 3:21a | 5:10a | 1:06p | 6:21p | 8:55p | 10:04p |
| May 15 | 3:19a | 5:08a | 1:06p | 6:22p | 8:57p | 10:06p |
| May 16 | 3:17a | 5:07a | 1:06p | 6:23p | 8:59p | 10:08p |
| May 17 | 3:15a | 5:05a | 1:06p | 6:24p | 9:00p | 10:09p |
| May 18 | 3:13a | 5:04a | 1:06p | 6:25p | 9:02p | 10:11p |
| May 19 | 3:12a | 5:02a | 1:06p | 6:26p | 9:03p | 10:13p |
| May 20 | 3:10a | 5:01a | 1:06p | 6:27p | 9:05p | 10:15p |
| May 21 | 3:08a | 5:00a | 1:06p | 6:28p | 9:06p | 10:17p |
| May 22 | 3:07a | 4:58a | 1:06p | 6:29p | 9:08p | 10:19p |
| May 23 | 3:05a | 4:57a | 1:06p | 6:30p | 9:09p | 10:20p |
| May 24 | 3:03a | 4:56a | 1:06p | 6:30p | 9:10p | 10:22p |
| May 25 | 3:02a | 4:55a | 1:06p | 6:31p | 9:12p | 10:24p |
| May 26 | 3:00a | 4:53a | 1:06p | 6:32p | 9:13p | 10:25p |
| May 27 | 2:59a | 4:52a | 1:06p | 6:33p | 9:14p | 10:27p |
| May 28 | 2:58a | 4:51a | 1:06p | 6:34p | 9:16p | 10:29p |
| May 29 | 2:56a | 4:50a | 1:07p | 6:34p | 9:17p | 10:30p |
| May 30 | 2:55a | 4:49a | 1:07p | 6:35p | 9:18p | 10:32p |
| May 31 | 2:54a | 4:48a | 1:07p | 6:36p | 9:19p | 10:33p |
| Jun 1 | 2:53a | 4:47a | 1:07p | 6:36p | 9:21p | 10:35p |
| Jun 2 | 2:51a | 4:46a | 1:07p | 6:37p | 9:22p | 10:36p |
| Jun 3 | 2:50a | 4:46a | 1:07p | 6:38p | 9:23p | 10:38p |
| Jun 4 | 2:49a | 4:45a | 1:07p | 6:39p | 9:24p | 10:39p |
| Jun 5 | 2:48a | 4:44a | 1:08p | 6:39p | 9:25p | 10:40p |
| Jun 6 | 2:47a | 4:44a | 1:08p | 6:40p | 9:26p | 10:42p |
| Jun 7 | 2:46a | 4:43a | 1:08p | 6:40p | 9:27p | 10:43p |
| Jun 8 | 2:46a | 4:42a | 1:08p | 6:41p | 9:28p | 10:44p |
| Jun 9 | 2:45a | 4:42a | 1:08p | 6:41p | 9:29p | 10:45p |
| Jun 10 | 2:44a | 4:42a | 1:09p | 6:42p | 9:29p | 10:46p |
| Jun 11 | 2:43a | 4:41a | 1:09p | 6:42p | 9:30p | 10:47p |
| Jun 12 | 2:43a | 4:41a | 1:09p | 6:43p | 9:31p | 10:48p |
| Jun 13 | 2:42a | 4:41a | 1:09p | 6:43p | 9:31p | 10:49p |
| Jun 14 | 2:42a | 4:40a | 1:09p | 6:44p | 9:32p | 10:50p |
|  |  |  | 254 |  |  |  |


| Jun 15 | $2: 41 a$ | $4: 40 a$ | $1: 10 p$ | $6: 44 p$ | $9: 33 p$ | $10: 51 p$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jun 16 | $2: 41 a$ | $4: 40 a$ | $1: 10 p$ | $6: 45 p$ | $9: 33 p$ | $10: 52 p$ |
| Jun 17 | $2: 40 a$ | $4: 40 a$ | $1: 10 p$ | $6: 45 p$ | $9: 34 p$ | $10: 53 p$ |
| Jun 18 | $2: 40 a$ | $4: 40 a$ | $1: 10 p$ | $6: 45 p$ | $9: 34 p$ | $10: 54 p$ |
| Jun 19 | $2: 40 a$ | $4: 40 a$ | $1: 10 p$ | $6: 46 p$ | $9: 34 p$ | $10: 54 p$ |
| Jun 20 | $2: 40 a$ | $4: 40 a$ | $1: 11 p$ | $6: 46 p$ | $9: 35 p$ | $10: 55 p$ |
| Jun 21 | $2: 40 a$ | $4: 40 a$ | $1: 11 p$ | $6: 46 p$ | $9: 35 p$ | $10: 55 p$ |
| Jun 22 | $2: 40 a$ | $4: 41 a$ | $1: 11 p$ | $6: 46 p$ | $9: 35 p$ | $10: 56 p$ |
| Jun 23 | $2: 40 a$ | $4: 41 a$ | $1: 11 p$ | $6: 47 p$ | $9: 35 p$ | $10: 56 p$ |
| Jun 24 | $2: 41 a$ | $4: 41 a$ | $1: 12 p$ | $6: 47 p$ | $9: 35 p$ | $10: 55 p$ |
| Jun 25 | $2: 41 a$ | $4: 41 a$ | $1: 12 p$ | $6: 47 p$ | $9: 35 p$ | $10: 55 p$ |
| Jun 26 | $2: 42 a$ | $4: 42 a$ | $1: 12 p$ | $6: 47 p$ | $9: 35 p$ | $10: 55 p$ |
| Jun 27 | $2: 43 a$ | $4: 42 a$ | $1: 12 p$ | $6: 47 p$ | $9: 35 p$ | $10: 54 p$ |
| Jun 28 | $2: 44 a$ | $4: 43 a$ | $1: 12 p$ | $6: 47 p$ | $9: 35 p$ | $10: 54 p$ |
| Jun 29 | $2: 45 a$ | $4: 43 a$ | $1: 13 p$ | $6: 47 p$ | $9: 35 p$ | $10: 53 p$ |
| Jun 30 | $2: 45 a$ | $4: 44 a$ | $1: 13 p$ | $6: 47 p$ | $9: 34 p$ | $10: 53 p$ |
| Jul 1 18 | $2: 46 a$ | $4: 45 a$ | $1: 13 p$ | $6: 47 p$ | $9: 34 p$ | $10: 52 p$ |
| Jul 2 | $2: 47 a$ | $4: 45 a$ | $1: 13 p$ | $6: 47 p$ | $9: 34 p$ | $10: 51 p$ |
| Jul 3 | $2: 48 a$ | $4: 46 a$ | $1: 13 p$ | $6: 47 p$ | $9: 33 p$ | $10: 51 p$ |
| Jul $p$ |  |  |  |  |  |  |


| Jul 19 | 3:11a | 5:04a | 1:16p | 6:41p | 9:20p | 10:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:12a | 5:05a | 1:16p | 6:40p | 9:18p | 10:30p |
| Jul 21 | 3:14a | 5:06a | 1:16p | 6:40p | 9:17p | 10:29p |
| Jul 22 | 3:16a | 5:08a | 1:16p | 6:39p | 9:16p | 10:27p |
| Jul 23 | 3:17a | 5:09a | 1:16p | 6:38p | 9:14p | 10:25p |
| Jul 24 | 3:19a | 5:11a | 1:16p | 6:38p | 9:13p | 10:24p |
| Jul 25 | 3:21a | 5:12a | 1:16p | 6:37p | 9:12p | 10:22p |
| Jul 26 | 3:23a | 5:14a | 1:16p | 6:36p | 9:10p | 10:20p |
| Jul 27 | 3:24a | 5:15a | 1:16p | 6:35p | 9:09p | 10:18p |
| Jul 28 | 3:26a | 5:17a | 1:16p | 6:34p | 9:07p | 10:16p |
| Jul 29 | 3:28a | 5:18a | 1:16p | 6:33p | 9:05p | 10:15p |
| Jul 30 | 3:30a | 5:20a | 1:16p | 6:32p | 9:04p | 10:13p |
| Jul 31 | 3:32a | 5:21a | 1:16p | 6:31p | 9:02p | 10:11p |
| Aug 1 | 3:34a | 5:23a | 1:16p | 6:30p | 9:01p | 10:09p |
| Aug 2 | 3:36a | 5:24a | 1:16p | 6:29p | 8:59p | 10:07p |
| Aug 3 | 3:37a | 5:26a | 1:16p | 6:28p | 8:57p | 10:05p |
| Aug 4 | 3:39a | 5:28a | 1:15p | 6:27p | 8:55p | 10:02p |
| Aug 5 | 3:41a | 5:29a | 1:15p | 6:26p | 8:53p | 10:00p |
| Aug 6 | 3:43a | 5:31a | 1:15p | 6:25p | 8:52p | 9:58p |
| Aug 7 | 3:45a | 5:32a | 1:15p | 6:24p | 8:50p | 9:56p |
| Aug 8 | 3:47a | 5:34a | 1:15p | 6:22p | 8:48p | 9:54p |
| Aug 9 | 3:49a | 5:36a | 1:15p | 6:21p | 8:46p | 9:53p |
| Aug 10 | 3:51a | 5:37a | 1:15p | 6:20p | 8:44p | 9:51p |
| Aug 11 | 3:53a | 5:39a | 1:15p | 6:19p | 8:42p | 9:49p |
| Aug 12 | 3:55a | 5:41a | 1:15p | 6:17p | 8:40p | 9:47p |
| Aug 13 | 3:57a | 5:42a | 1:14p | 6:16p | 8:38p | 9:46p |
| Aug 14 | 3:59a | 5:44a | 1:14p | 6:15p | 8:36p | 9:44p |
| Aug 15 | 4:01a | 5:46a | 1:14p | 6:13p | 8:34p | 9:42p |
| Aug 16 | 4:03a | 5:47a | 1:14p | 6:12p | 8:32p | 9:40p |
| Aug 17 | 4:05a | 5:49a | 1:14p | 6:10p | 8:30p | 9:38p |
| Aug 18 | 4:07a | 5:51a | 1:13p | 6:09p | 8:28p | 9:37p |
| Aug 19 | 4:09a | 5:52a | 1:13p | 6:07p | 8:26p | 9:35p |
| Aug 20 | 4:11a | 5:54a | 1:13p | 6:06p | 8:23p | 9:33p |
| Aug 21 | 4:13a | 5:56a | 1:13p | 6:04p | 8:21p | 9:31p |


| Aug 22 | 4:15a | 5:57a | 1:12p | 6:03p | 8:19p | 9:29p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:17a | 5:59a | 1:12p | 6:01p | 8:17p | 9:27p |
| Aug 24 | 4:18a | 6:01a | 1:12p | 6:00p | 8:15p | 9:25p |
| Aug 25 | 4:20a | 6:02a | 1:12p | 5:58p | 8:12p | 9:23p |
| Aug 26 | 4:22a | 6:04a | 1:11p | 5:56p | 8:10p | 9:21p |
| Aug 27 | 4:24a | 6:06a | 1:11p | 5:55p | 8:08p | 9:19p |
| Aug 28 | 4:26a | 6:07a | 1:11p | 5:53p | 8:06p | 9:17p |
| Aug 29 | 4:28a | 6:09a | 1:11p | 5:51p | 8:03p | 9:15p |
| Aug 30 | 4:30a | 6:11a | 1:10p | 5:50p | 8:01p | 9:13p |
| Aug 31 | 4:32a | 6:12a | 1:10p | 5:48p | 7:59p | 9:11p |
| Sep 1 | 4:34a | 6:14a | 1:10p | 5:46p | 7:57p | 9:09p |
| Sep 2 | 4:36a | 6:16a | 1:09p | 5:44p | 7:54p | 9:07p |
| Sep 3 | 4:38a | 6:17a | 1:09p | 5:43p | 7:52p | 9:05p |
| Sep 4 | 4:40a | 6:19a | 1:09p | 5:41p | 7:50p | 9:03p |
| Sep 5 | 4:42a | 6:21a | 1:08p | 5:39p | 7:47p | 9:01p |
| Sep 6 | 4:44a | 6:22a | 1:08p | 5:37p | 7:45p | 8:58p |
| Sep 7 | 4:46a | 6:24a | 1:08p | 5:35p | 7:43p | 8:56p |
| Sep 8 | 4:48a | 6:26a | 1:07p | 5:33p | 7:40p | 8:54p |
| Sep 9 | 4:50a | 6:28a | 1:07p | 5:32p | 7:38p | 8:52p |
| Sep 10 | 4:52a | 6:29a | 1:07p | 5:30p | 7:36p | 8:50p |
| Sep 11 | 4:54a | 6:31a | 1:06p | 5:28p | 7:33p | 8:48p |
| Sep 12 | 4:56a | 6:33a | 1:06p | 5:26p | 7:31p | 8:46p |
| Sep 13 | 4:58a | 6:34a | 1:06p | 5:24p | 7:28p | 8:44p |
| Sep 14 | 5:00a | 6:36a | 1:05p | 5:22p | 7:26p | 8:41p |
| Sep 15 | 5:02a | 6:38a | 1:05p | 5:20p | 7:24p | 8:39p |
| Sep 16 | 5:04a | 6:39a | 1:04p | 5:18p | 7:21p | 8:37p |
| Sep 17 | 5:06a | 6:41a | 1:04p | 5:16p | 7:19p | 8:35p |
| Sep 18 | 5:08a | 6:43a | 1:04p | 5:14p | 7:16p | 8:33p |
| Sep 19 | 5:10a | 6:44a | 1:03p | 5:12p | 7:14p | 8:31p |
| Sep 20 | 5:12a | 6:46a | 1:03p | 5:10p | 7:12p | 8:29p |
| Sep 21 | 5:14a | 6:48a | 1:03p | 5:08p | 7:09p | 8:26p |
| Sep 22 | 5:16a | 6:49a | 1:02p | 5:06p | 7:07p | 8:24p |
| Sep 23 | 5:17a | 6:51a | 1:02p | 5:04p | 7:05p | 8:22p |
| Sep 24 | 5:19a | 6:53a | 1:02p | 5:02p | 7:02p | 8:20p |
| 257 |  |  |  |  |  |  |


| Sep 25 | 5:21a | 6:54a | 1:01p | 5:00p | 7:00p | 8:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:22a | 6:56a | 1:01p | 4:58p | 6:57p | 8:16p |
| Sep 27 | 5:24a | 6:58a | 1:01p | 4:56p | 6:55p | 8:14p |
| Sep 28 | 5:25a | 7:00a | 1:00p | 4:54p | 6:53p | 8:11p |
| Sep 29 | 5:27a | 7:01a | 1:00p | 4:52p | 6:50p | 8:09p |
| Sep 30 | 5:29a | 7:03a | 1:00p | 4:50p | 6:48p | 8:07p |
| Oct 1 | 5:30a | 7:05a | 12:59p | 4:47p | 6:46p | 8:05p |
| Oct 2 | 5:32a | 7:06a | 12:59p | 4:45p | 6:43p | 8:03p |
| Oct 3 | 5:33a | 7:08a | 12:59p | 4:43p | 6:41p | 8:01p |
| Oct 4 | 5:35a | 7:10a | 12:58p | 4:41p | 6:39p | 7:59p |
| Oct 5 | 5:37a | 7:12a | 12:58p | 4:39p | 6:36p | 7:57p |
| Oct 6 | 5:38a | 7:13a | 12:58p | 4:37p | 6:34p | 7:55p |
| Oct 7 | 5:40a | 7:15a | 12:57p | 4:35p | 6:32p | 7:53p |
| Oct 8 | 5:42a | 7:17a | 12:57p | 4:33p | 6:29p | 7:50p |
| Oct 9 | 5:43a | 7:19a | 12:57p | 4:31p | 6:27p | 7:48p |
| Oct 10 | 5:45a | 7:20a | 12:57p | 4:29p | 6:25p | 7:46p |
| Oct 11 | 5:47a | 7:22a | 12:56p | 4:27p | 6:22p | 7:44p |
| Oct 12 | 5:48a | 7:24a | 12:56p | 4:25p | 6:20p | 7:42p |
| Oct 13 | 5:50a | 7:26a | 12:56p | 4:23p | 6:18p | 7:40p |
| Oct 14 | 5:52a | 7:27a | 12:56p | 4:21p | 6:16p | 7:38p |
| Oct 15 | 5:53a | 7:29a | 12:55p | 4:19p | 6:13p | 7:36p |
| Oct 16 | 5:55a | 7:31a | 12:55p | 4:17p | 6:11p | 7:34p |
| Oct 17 | 5:57a | 7:33a | 12:55p | 4:15p | 6:09p | 7:32p |
| Oct 18 | 5:58a | 7:35a | 12:55p | 4:13p | 6:07p | 7:30p |
| Oct 19 | 6:00a | 7:36a | 12:54p | 4:11p | 6:05p | 7:28p |
| Oct 20 | 6:02a | 7:38a | 12:54p | 4:09p | 6:02p | 7:27p |
| Oct 21 | 6:04a | 7:40a | 12:54p | 4:07p | 6:00p | 7:25p |
| Oct 22 | 6:05a | 7:42a | 12:54p | 4:05p | 5:58p | 7:23p |
| Oct 23 | 6:07a | 7:44a | 12:54p | 4:03p | 5:56p | 7:21p |
| Oct 24 | 6:09a | 7:45a | 12:54p | 4:01p | 5:54p | 7:19p |
| Oct 25 | 6:10a | 7:47a | 12:54p | 3:59p | 5:52p | 7:17p |
| Oct 26 | 6:12a | 7:49a | 12:53p | 3:57p | 5:50p | 7:15p |
| Oct 27 | 6:14a | 7:51a | 12:53p | 3:55p | 5:48p | 7:14p |
| Oct 28 | 5:16a | 6:53a | 11:53a | 2:53p | 4:46p | 6:12p |
| 258 |  |  |  |  |  |  |


| Oct 29 | 5:17a | 6:55a | 11:53a | 2:51p | $4: 44 \mathrm{p}$ | 6:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:19a | 6:56a | 11:53a | 2:49p | 4:42p | 6:08p |
| Oct 31 | 5:21a | 6:58a | 11:53a | 2:48p | 4:40p | 6:07p |
| Nov 1 | 5:23a | 7:00a | 11:53a | 2:46p | 4:38p | 6:05p |
| Nov 2 | 5:24a | 7:02a | 11:53a | $2: 44 \mathrm{p}$ | 4:36p | 6:03p |
| Nov 3 | 5:26a | 7:04a | 11:53a | 2:42p | 4:34p | 6:02p |
| Nov 4 | 5:28a | 7:06a | 11:53a | 2:41p | 4:32p | 6:00p |
| Nov 5 | 5:30a | 7:07a | 11:53a | 2:39p | 4:31p | 5:59p |
| Nov 6 | 5:31a | 7:09a | 11:53a | 2:37p | 4:29p | 5:57p |
| Nov 7 | 5:33a | 7:11a | 11:53a | 2:35p | 4:27p | 5:56p |
| Nov 8 | 5:35a | 7:13a | 11:53a | 2:34p | 4:25p | 5:54p |
| Nov 9 | 5:37a | 7:15a | 11:53a | 2:32p | 4:24p | 5:53p |
| Nov 10 | 5:38a | 7:17a | 11:53a | 2:31p | 4:22p | 5:51p |
| Nov 11 | 5:40a | 7:19a | 11:53a | 2:29p | 4:20p | 5:50p |
| Nov 12 | 5:42a | 7:20a | 11:53a | 2:28p | 4:19p | 5:49p |
| Nov 13 | 5:44a | 7:22a | 11:54a | 2:26p | 4:17p | 5:47p |
| Nov 14 | 5:45a | 7:24a | 11:54a | 2:25p | 4:16p | 5:46p |
| Nov 15 | 5:47a | 7:26a | 11:54a | 2:23p | $4: 14 \mathrm{p}$ | 5:45p |
| Nov 16 | 5:49a | 7:28a | 11:54a | 2:22p | 4:13p | 5:44p |
| Nov 17 | 5:50a | 7:29a | 11:54a | 2:21p | 4:12p | 5:42p |
| Nov 18 | 5:52a | 7:31a | 11:54a | 2:19p | 4:10p | 5:41p |
| Nov 19 | 5:54a | 7:33a | 11:55a | 2:18p | 4:09p | 5:40p |
| Nov 20 | 5:55a | 7:35a | 11:55a | 2:17p | 4:08p | 5:39p |
| Nov 21 | 5:57a | 7:36a | 11:55a | 2:16p | 4:06p | 5:38p |
| Nov 22 | 5:59a | 7:38a | 11:55a | 2:15p | 4:05p | 5:37p |
| Nov 23 | 6:00a | 7:40a | 11:56a | 2:14p | 4:04p | 5:37p |
| Nov 24 | 6:02a | 7:41a | 11:56a | $2: 13 \mathrm{p}$ | 4:03p | 5:36p |
| Nov 25 | 6:03a | 7:43a | 11:56a | 2:12p | 4:02p | 5:35p |
| Nov 26 | 6:05a | 7:45a | 11:56a | $2: 11 p$ | 4:01p | 5:34p |
| Nov 27 | 6:06a | 7:46a | 11:57a | 2:10p | 4:00p | 5:33p |
| Nov 28 | 6:08a | 7:48a | 11:57a | 2:09p | 3:59p | 5:33p |
| Nov 29 | 6:09a | 7:49a | 11:57a | 2:08p | 3:58p | 5:32p |
| Nov 30 | 6:11a | 7:51a | 11:58a | 2:07p | 3:58p | 5:32p |
| Dec 1 | 6:12a | 7:52a | 11:58a | 2:07p | 3:57p | 5:31p |


| Dec 2 | 6:13a | 7:54a | 11:58a | 2:06p | 3:56p | 5:31p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:15a | 7:55a | 11:59a | 2:05p | 3:56p | 5:30p |
| Dec 4 | 6:16a | 7:57a | 11:59a | 2:05p | 3:55p | 5:30p |
| Dec 5 | 6:17a | 7:58a | 12:00n | 2:04p | 3:54p | 5:30p |
| Dec 6 | 6:18a | 7:59a | 12:00n | 2:04p | 3:54p | 5:30p |
| Dec 7 | 6:19a | 8:00a | 12:00n | 2:04p | 3:54p | 5:29p |
| Dec 8 | 6:21a | 8:02a | 12:01p | 2:03p | 3:53p | 5:29p |
| Dec 9 | 6:22a | 8:03a | 12:01p | 2:03p | 3:53p | 5:29p |
| Dec 10 | 6:23a | 8:04a | 12:02p | 2:03p | 3:53p | 5:29p |
| Dec 11 | 6:24a | 8:05a | 12:02p | 2:03p | 3:53p | 5:29p |
| Dec 12 | 6:25a | 8:06a | 12:03p | 2:03p | 3:53p | 5:30p |
| Dec 13 | 6:26a | 8:07a | 12:03p | 2:03p | 3:52p | 5:30p |
| Dec 14 | 6:26a | 8:08a | 12:04p | 2:03p | 3:52p | 5:30p |
| Dec 15 | 6:27a | 8:09a | 12:04p | 2:03p | 3:53p | 5:30p |
| Dec 16 | 6:28a | 8:10a | 12:05p | 2:03p | 3:53p | 5:31p |
| Dec 17 | 6:29a | 8:11a | 12:05p | 2:03p | 3:53p | 5:31p |
| Dec 18 | 6:29a | 8:11a | 12:06p | 2:03p | 3:53p | 5:31p |
| Dec 19 | 6:30a | 8:12a | 12:06p | 2:03p | 3:53p | 5:31p |
| Dec 20 | 6:31a | 8:13a | 12:07p | 2:04p | 3:54p | 5:32p |
| Dec 21 | 6:31a | 8:13a | 12:07p | 2:04p | 3:54p | 5:32p |
| Dec 22 | 6:32a | 8:14a | 12:08p | 2:05p | 3:55p | 5:33p |
| Dec 23 | 6:32a | 8:14a | 12:08p | 2:05p | 3:55p | 5:33p |
| Dec 24 | 6:33a | 8:15a | 12:09p | 2:06p | 3:56p | 5:34p |
| Dec 25 | 6:33a | 8:15a | 12:09p | 2:06p | 3:57p | 5:35p |
| Dec 26 | 6:33a | 8:15a | 12:09p | 2:07p | 3:57p | 5:35p |
| Dec 27 | 6:33a | 8:15a | 12:10p | 2:08p | 3:58p | 5:36p |
| Dec 28 | 6:34a | 8:16a | 12:10p | 2:08p | 3:59p | 5:37p |
| Dec 29 | 6:34a | 8:16a | 12:11p | 2:09p | 4:00p | 5:38p |
| Dec 30 | 6:34a | 8:16a | 12:11p | 2:10p | 4:01p | 5:39p |
| Dec 31 | 6:34a | 8:16a | 12:12p | 2:11p | 4:02p | 5:40p |

LIVERPOOL Lt=53:25N Lg= 2:55W GMT+ 0
Qiblah Compass=121:15E(2006.92)Qiblah from True North =117:41E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | 6:46a |
| :--- | :--- |
| Jan 2 | $6: 46 a$ |
| Jan 3 | $6: 45 a$ |
| Jan 4 | $6: 45 a$ |
| Jan 5 | $6: 45 a$ | 8:27a 12:20p

2:15p 4:06p 5:43p 8:27a 12:20p
2:16p $4: 07 \mathrm{p}$ 5:44p 8:27a $12: 21 p \quad 2: 17 p \quad 4: 08 p \quad 5: 45 p$ 8:27a $\quad 12: 21 \mathrm{p} \quad 2: 18 \mathrm{p} \quad 4: 10 \mathrm{p} \quad 5: 46 \mathrm{p}$
8:26a $12: 22 p \quad 2: 19 p \quad 4: 11 p \quad 5: 47 p$
Jan 6 6:45a
Jan 7 6:44a
Jan 8 6:44a

Jan 9 6:43a Jan 10 6:43a
Jan 11 6:42a
Jan 12 6:42a
Jan 13 6:41a
Jan 14 6:40a
Jan 15 6:39a
Jan 16 6:38a
Jan 17 6:38a

8:18a 12:26p

| Jan 18 | $6: 37 a$ |
| :--- | :--- |
| Jan 19 | $6: 36 a$ |

Jan 20 6:34a
Jan 21 6:33a
Jan 22 6:32a
8:17a $12: 27 \mathrm{p}$
8:16a $\quad 12: 27 \mathrm{p}$
8:14a $\quad 12: 27 \mathrm{p}$
Jan 23 6:31a
8:12a $12: 28$ p
8:11a

| Jan 24 | $6: 30 \mathrm{a}$ | $8: 09 \mathrm{a}$ | $12: 29 \mathrm{p}$ | $2: 48 \mathrm{p}$ | $4: 42 \mathrm{p}$ | $6: 13 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 25 | $6: 29 \mathrm{a}$ | $8: 08 \mathrm{a}$ | $12: 29 \mathrm{p}$ | $2: 50 \mathrm{p}$ | $4: 44 \mathrm{p}$ | $6: 15 \mathrm{p}$ |
| Jan 26 | $6: 27 \mathrm{a}$ | $8: 06 \mathrm{a}$ | $12: 29 \mathrm{p}$ | $2: 52 \mathrm{p}$ | $4: 45 \mathrm{p}$ | $6: 16 \mathrm{p}$ |
| Jan 27 | $6: 26 \mathrm{a}$ | $8: 05 \mathrm{a}$ | $12: 29 \mathrm{p}$ | $2: 53 \mathrm{p}$ | $4: 47 \mathrm{p}$ | $6: 18 \mathrm{p}$ |
| Jan 28 | $6: 24 \mathrm{a}$ | $8: 04 \mathrm{a}$ | $12: 29 \mathrm{p}$ | $2: 55 \mathrm{p}$ | $4: 49 \mathrm{p}$ | $6: 20 \mathrm{p}$ |
| Jan 29 | $6: 23 \mathrm{a}$ | $8: 02 \mathrm{a}$ | $12: 30 \mathrm{p}$ | $2: 57 \mathrm{p}$ | $4: 51 \mathrm{p}$ | $6: 21 \mathrm{p}$ |


| Jan 30 | 6:22a | 8:00a | 12:30p | 2:59p | 4:53p | 6:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:20a | 7:59a | 12:30p | 3:01p | 4:55p | 6:25p |
| Feb 1 | 6:18a | 7:57a | 12:30p | 3:03p | 4:57p | 6:26p |
| Feb 2 | 6:17a | 7:56a | 12:30p | 3:04p | 4:59p | 6:28p |
| Feb 3 | 6:15a | 7:54a | 12:30p | 3:06p | 5:01p | 6:30p |
| Feb 4 | 6:14a | 7:52a | 12:30p | 3:08p | 5:03p | 6:32p |
| Feb 5 | 6:12a | 7:50a | 12:31p | 3:10p | 5:05p | 6:33p |
| Feb 6 | 6:10a | 7:48a | 12:31p | 3:12p | 5:07p | 6:35p |
| Feb 7 | 6:09a | 7:47a | 12:31p | 3:14p | 5:09p | 6:37p |
| Feb 8 | 6:07a | 7:45a | 12:31p | 3:15p | 5:11p | 6:38p |
| Feb 9 | 6:05a | 7:43a | 12:31p | 3:17p | 5:13p | 6:40p |
| Feb 10 | 6:03a | 7:41a | 12:31p | 3:19p | 5:15p | 6:42p |
| Feb 11 | 6:01a | 7:39a | 12:31p | 3:21p | 5:17p | 6:44p |
| Feb 12 | 5:59a | 7:37a | 12:31p | 3:23p | 5:19p | 6:45p |
| Feb 13 | 5:57a | 7:35a | 12:31p | 3:25p | 5:21p | 6:47p |
| Feb 14 | 5:56a | 7:33a | 12:31p | 3:26p | 5:22p | 6:49p |
| Feb 15 | 5:54a | 7:31a | 12:31p | 3:28p | 5:24p | 6:51p |
| Feb 16 | 5:52a | 7:29a | 12:31p | 3:30p | 5:26p | 6:52p |
| Feb 17 | 5:50a | 7:27a | 12:31p | 3:32p | 5:28p | 6:54p |
| Feb 18 | 5:48a | 7:25a | 12:31p | 3:34p | 5:30p | 6:56p |
| Feb 19 | 5:46a | 7:23a | 12:31p | 3:35p | 5:32p | 6:57p |
| Feb 20 | 5:44a | 7:20a | 12:30p | 3:37p | 5:34p | 6:59p |
| Feb 21 | 5:41a | 7:18a | 12:30p | 3:39p | 5:36p | 7:01p |
| Feb 22 | 5:39a | 7:16a | 12:30p | 3:41p | 5:38p | 7:03p |
| Feb 23 | 5:37a | 7:14a | 12:30p | 3:42p | 5:40p | 7:04p |
| Feb 24 | 5:35a | 7:12a | 12:30p | 3:44p | 5:42p | 7:06p |
| Feb 25 | 5:33a | 7:09a | 12:30p | 3:46p | 5:44p | 7:08p |
| Feb 26 | 5:31a | 7:07a | 12:30p | 3:48p | 5:46p | 7:09p |
| Feb 27 | 5:29a | 7:05a | 12:30p | 3:49p | 5:48p | 7:11p |
| Feb 28 | 5:27a | 7:03a | 12:29p | 3:51p | 5:50p | 7:13p |
| Mar 1 | 5:24a | 7:00a | 12:29p | 3:53p | 5:52p | 7:14p |
| Mar 2 | 5:22a | 6:58a | 12:29p | 3:54p | 5:54p | 7:16p |
| Mar 3 | 5:20a | 6:56a | 12:29p | 3:56p | 5:56p | 7:18p |
| Mar 4 | 5:18a | 6:53a | 12:29p | 3:58p | 5:57p | 7:19p | 262


| Mar 5 | 5:16a | 6:51a | 12:28p | 3:59p | 5:59p | 7:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:13a | 6:49a | 12:28p | 4:01p | 6:01p | 7:23p |
| Mar 7 | 5:11a | 6:46a | 12:28p | 4:03p | 6:03p | 7:24p |
| Mar 8 | 5:09a | 6:44a | 12:28p | 4:04p | 6:05p | 7:26p |
| Mar 9 | 5:07a | 6:42a | 12:27p | 4:06p | 6:07p | 7:27p |
| Mar 10 | 5:04a | 6:39a | 12:27p | 4:07p | 6:09p | 7:29p |
| Mar 11 | 5:02a | 6:37a | 12:27p | 4:09p | 6:11p | 7:31p |
| Mar 12 | 5:00a | 6:35a | 12:27p | 4:11p | 6:12p | 7:32p |
| Mar 13 | 4:57a | 6:32a | 12:26p | 4:12p | 6:14p | 7:34p |
| Mar 14 | 4:55a | 6:30a | 12:26p | 4:14p | 6:16p | 7:36p |
| Mar 15 | 4:53a | 6:27a | 12:26p | 4:15p | 6:18p | 7:37p |
| Mar 16 | 4:50a | 6:25a | 12:26p | 4:17p | 6:20p | 7:39p |
| Mar 17 | 4:48a | 6:23a | 12:25p | 4:18p | 6:22p | 7:40p |
| Mar 18 | 4:46a | 6:20a | 12:25p | 4:20p | 6:24p | 7:42p |
| Mar 19 | 4:43a | 6:18a | 12:25p | 4:21p | 6:25p | 7:44p |
| Mar 20 | 4:41a | 6:15a | 12:24p | 4:23p | 6:27p | 7:45p |
| Mar 21 | 4:39a | 6:13a | 12:24p | $4: 24 \mathrm{p}$ | 6:29p | 7:47p |
| Mar 22 | 4:37a | 6:10a | 12:24p | 4:26p | 6:31p | 7:48p |
| Mar 23 | 4:34a | 6:08a | 12:24p | 4:27p | 6:33p | 7:50p |
| Mar 24 | 4:31a | 6:06a | 12:23p | 4:29p | 6:35p | 7:52p |
| Mar 25 | 5:28a | 7:03a | 1:23p | 5:30p | 7:36p | 8:53p |
| Mar 26 | 5:26a | 7:01a | 1:23p | 5:31p | 7:38p | 8:55p |
| Mar 27 | 5:23a | 6:58a | 1:22p | 5:33p | 7:40p | 8:56p |
| Mar 28 | 5:20a | 6:56a | 1:22p | 5:34p | 7:42p | 8:58p |
| Mar 29 | 5:18a | 6:54a | 1:22p | 5:36p | $7: 44 \mathrm{p}$ | 8:59p |
| Mar 30 | 5:15a | 6:51a | 1:21p | 5:37p | 7:46p | 9:01p |
| Mar 31 | 5:12a | 6:49a | 1:21p | 5:38p | 7:47p | 9:03p |
| Apr 1 | 5:09a | 6:46a | 1:21p | 5:40p | 7:49p | 9:04p |
| Apr 2 | 5:07a | 6:44a | 1:20p | 5:41p | 7:51p | 9:06p |
| Apr 3 | 5:04a | 6:41a | 1:20p | 5:42p | 7:53p | 9:07p |
| Apr 4 | 5:01a | 6:39a | 1:20p | 5:44p | 7:55p | 9:09p |
| Apr 5 | 4:59a | 6:37a | 1:20p | 5:45p | 7:56p | 9:10p |
| Apr 6 | 4:56a | 6:34a | 1:19p | 5:46p | 7:58p | 9:12p |
| Apr 7 | 4:53a | 6:32a | 1:19p | 5:48p | 8:00p | $9: 14 \mathrm{p}$ |


| Apr 8 | 4:50a | 6:29a | 1:19p | 5:49p | 8:02p | 9:15p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:48a | 6:27a | 1:18p | 5:50p | 8:04p | 9:17p |
| Apr 10 | 4:45a | 6:25a | 1:18p | 5:52p | 8:06p | 9:18p |
| Apr 11 | 4:42a | 6:22a | 1:18p | 5:53p | 8:07p | 9:20p |
| Apr 12 | 4:40a | 6:20a | 1:18p | 5:54p | 8:09p | 9:21p |
| Apr 13 | 4:37a | 6:18a | 1:17p | 5:55p | 8:11p | 9:23p |
| Apr 14 | 4:35a | 6:15a | 1:17p | 5:57p | 8:13p | 9:25p |
| Apr 15 | 4:32a | 6:13a | 1:17p | 5:58p | 8:15p | 9:26p |
| Apr 16 | 4:29a | 6:11a | 1:17p | 5:59p | 8:16p | 9:28p |
| Apr 17 | 4:27a | 6:09a | 1:16p | 6:00p | 8:18p | 9:29p |
| Apr 18 | 4:24a | 6:06a | 1:16p | 6:01p | 8:20p | 9:31p |
| Apr 19 | 4:22a | 6:04a | 1:16p | 6:03p | 8:22p | 9:32p |
| Apr 20 | 4:19a | 6:02a | 1:16p | 6:04p | 8:24p | 9:34p |
| Apr 21 | 4:17a | 6:00a | 1:16p | 6:05p | 8:26p | 9:36p |
| Apr 22 | 4:14a | 5:57a | 1:15p | 6:06p | 8:27p | 9:37p |
| Apr 23 | 4:12a | 5:55a | 1:15p | 6:07p | 8:29p | 9:39p |
| Apr 24 | 4:09a | 5:53a | 1:15p | 6:09p | 8:31p | 9:40p |
| Apr 25 | 4:07a | 5:51a | 1:15p | 6:10p | 8:33p | 9:42p |
| Apr 26 | 4:04a | 5:49a | 1:15p | 6:11p | 8:35p | 9:43p |
| Apr 27 | 4:02a | 5:47a | 1:14p | 6:12p | 8:36p | 9:45p |
| Apr 28 | 3:59a | 5:44a | 1:14p | 6:13p | 8:38p | 9:47p |
| Apr 29 | 3:57a | 5:42a | 1:14p | 6:14p | 8:40p | 9:48p |
| Apr 30 | 3:55a | 5:40a | 1:14p | 6:15p | 8:42p | 9:50p |
| May 1 | 3:52a | 5:38a | 1:14p | 6:17p | 8:44p | 9:51p |
| May 2 | 3:50a | 5:36a | 1:14p | 6:18p | 8:45p | 9:53p |
| May 3 | 3:48a | 5:34a | 1:14p | 6:19p | 8:47p | 9:54p |
| May 4 | 3:45a | 5:32a | 1:14p | 6:20p | 8:49p | 9:56p |
| May 5 | 3:43a | 5:30a | 1:13p | 6:21p | 8:51p | 9:57p |
| May 6 | 3:41a | 5:28a | 1:13p | 6:22p | 8:52p | 9:59p |
| May 7 | 3:39a | 5:26a | 1:13p | 6:23p | 8:54p | 10:00p |
| May 8 | 3:36a | 5:25a | 1:13p | 6:24p | 8:56p | 10:02p |
| May 9 | 3:34a | 5:23a | 1:13p | 6:25p | 8:58p | 10:04p |
| May 10 | 3:32a | 5:21a | 1:13p | 6:26p | 8:59p | 10:06p |
| May 11 | 3:30a | 5:19a | 1:13p | 6:27p | 9:01p | 10:08p |


| May 12 | 3:28a | 5:17a | 1:13p | 6:28p | 9:03p | 10:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:26a | 5:16a | 1:13p | 6:29p | 9:04p | 10:12p |
| May 14 | 3:24a | 5:14a | 1:13p | 6:30p | 9:06p | 10:14p |
| May 15 | 3:22a | 5:12a | 1:13p | 6:31p | 9:08p | 10:16p |
| May 16 | 3:20a | 5:11a | 1:13p | 6:32p | 9:09p | 10:18p |
| May 17 | 3:18a | 5:09a | 1:13p | 6:33p | 9:11p | 10:20p |
| May 18 | 3:16a | 5:08a | 1:13p | 6:34p | 9:13p | 10:22p |
| May 19 | 3:15a | 5:06a | 1:13p | 6:35p | 9:14p | 10:24p |
| May 20 | 3:13a | 5:05a | 1:13p | 6:36p | 9:16p | 10:26p |
| May 21 | 3:11a | 5:03a | 1:13p | 6:37p | 9:17p | 10:28p |
| May 22 | 3:09a | 5:02a | 1:13p | 6:38p | 9:19p | 10:30p |
| May 23 | 3:08a | 5:00a | 1:13p | 6:38p | 9:20p | 10:32p |
| May 24 | 3:06a | 4:59a | 1:13p | 6:39p | 9:22p | 10:33p |
| May 25 | 3:05a | 4:58a | 1:14p | 6:40p | 9:23p | 10:35p |
| May 26 | 3:03a | 4:57a | 1:14p | 6:41p | 9:25p | 10:37p |
| May 27 | 3:02a | 4:55a | 1:14p | 6:42p | 9:26p | 10:38p |
| May 28 | 3:00a | 4:54a | 1:14p | 6:43p | 9:27p | 10:40p |
| May 29 | 2:59a | 4:53a | 1:14p | 6:43p | 9:29p | 10:42p |
| May 30 | 2:57a | 4:52a | 1:14p | 6:44p | 9:30p | 10:43p |
| May 31 | 2:56a | 4:51a | 1:14p | 6:45p | 9:31p | 10:45p |
| Jun 1 | 2:55a | 4:50a | 1:14p | 6:46p | 9:32p | 10:46p |
| Jun 2 | 2:54a | 4:49a | 1:15p | 6:46p | 9:34p | 10:48p |
| Jun 3 | 2:53a | 4:49a | 1:15p | 6:47p | 9:35p | 10:49p |
| Jun 4 | 2:52a | 4:48a | 1:15p | 6:48p | 9:36p | 10:51p |
| Jun 5 | 2:50a | 4:47a | 1:15p | 6:48p | 9:37p | 10:52p |
| Jun 6 | 2:50a | 4:46a | 1:15p | 6:49p | 9:38p | 10:54p |
| Jun 7 | 2:49a | 4:46a | 1:15p | 6:50p | 9:39p | 10:55p |
| Jun 8 | 2:48a | 4:45a | 1:16p | 6:50p | 9:40p | 10:56p |
| Jun 9 | 2:47a | 4:45a | 1:16p | 6:51p | 9:41p | 10:57p |
| Jun 10 | 2:46a | 4:44a | 1:16p | 6:51p | 9:41p | 10:58p |
| Jun 11 | 2:45a | 4:44a | 1:16p | 6:52p | 9:42p | 11:00p |
| Jun 12 | 2:45a | 4:43a | 1:16p | 6:52p | 9:43p | 11:01p |
| Jun 13 | 2:44a | 4:43a | 1:17p | 6:53p | 9:44p | 11:02p |
| Jun 14 | 2:44a | 4:43a | 1:17p | 6:53p | 9:44p | 11:03p |


| Jun 15 | 2:43a | 4:43a | 1:17p | 6:54p | 9:45p | 11:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:43a | 4:43a | 1:17p | 6:54p | 9:45p | 11:04p |
| Jun 17 | 2:42a | 4:43a | 1:17p | 6:54p | 9:46p | 11:05p |
| Jun 18 | 2:42a | 4:43a | 1:18p | 6:55p | 9:46p | 11:06p |
| Jun 19 | 2:42a | 4:43a | 1:18p | 6:55p | 9:46p | 11:06p |
| Jun 20 | 2:42a | 4:43a | 1:18p | 6:55p | 9:47p | 11:07p |
| Jun 21 | 2:41a | 4:43a | 1:18p | 6:55p | 9:47p | 11:08p |
| Jun 22 | 2:41a | 4:43a | 1:18p | 6:56p | 9:47p | 11:08p |
| Jun 23 | 2:42a | 4:43a | 1:19p | 6:56p | 9:47p | 11:08p |
| Jun 24 | 2:43a | 4:44a | 1:19p | 6:56p | 9:47p | 11:08p |
| Jun 25 | 2:43a | 4:44a | 1:19p | 6:56p | 9:47p | 11:07p |
| Jun 26 | 2:44a | 4:44a | 1:19p | 6:56p | 9:47p | 11:07p |
| Jun 27 | 2:45a | 4:45a | 1:20p | 6:56p | 9:47p | 11:07p |
| Jun 28 | 2:46a | 4:45a | 1:20p | 6:56p | 9:47p | 11:06p |
| Jun 29 | 2:46a | 4:46a | 1:20p | 6:56p | 9:47p | 11:06p |
| Jun 30 | 2:47a | 4:47a | 1:20p | 6:56p | 9:47p | 11:05p |
| Jul 1 | 2:48a | 4:47a | 1:20p | 6:56p | 9:46p | 11:04p |
| Jul 2 | 2:49a | 4:48a | 1:21p | 6:56p | 9:46p | 11:04p |
| Jul 3 | 2:51a | 4:49a | 1:21p | 6:56p | 9:45p | 11:03p |
| Jul 4 | 2:52a | 4:50a | 1:21p | 6:56p | 9:45p | 11:02p |
| Jul 5 | 2:53a | 4:51a | 1:21p | 6:56p | 9:44p | 11:01p |
| Jul 6 | 2:54a | 4:52a | 1:21p | 6:56p | 9:44p | 11:00p |
| Jul 7 | 2:55a | 4:52a | 1:21p | 6:55p | 9:43p | 10:59p |
| Jul 8 | 2:57a | 4:53a | 1:22p | 6:55p | 9:42p | 10:58p |
| Jul 9 | 2:58a | 4:55a | 1:22p | 6:55p | 9:42p | 10:57p |
| Jul 10 | 2:59a | 4:56a | 1:22p | 6:55p | 9:41p | 10:56p |
| Jul 11 | 3:01a | 4:57a | 1:22p | 6:54p | 9:40p | 10:55p |
| Jul 12 | 3:02a | 4:58a | 1:22p | 6:54p | 9:39p | 10:53p |
| Jul 13 | 3:04a | 4:59a | 1:22p | 6:53p | 9:38p | 10:52p |
| Jul 14 | 3:05a | 5:00a | 1:22p | 6:53p | 9:37p | 10:51p |
| Jul 15 | 3:07a | 5:02a | 1:23p | 6:52p | 9:36p | 10:49p |
| Jul 16 | 3:08a | 5:03a | 1:23p | 6:52p | 9:35p | 10:48p |
| Jul 17 | 3:10a | 5:04a | 1:23p | 6:51p | 9:34p | 10:46p |
| Jul 18 | 3:12a | 5:06a | 1:23p | 6:51p | 9:32p | 10:45p |


| Jul 19 | 3:13a | 5:07a | 1:23p | 6:50p | 9:31p | 10:43p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:15a | 5:08a | 1:23p | 6:49p | 9:30p | 10:42p |
| Jul 21 | 3:17a | 5:10a | 1:23p | 6:49p | 9:28p | 10:40p |
| Jul 22 | 3:19a | 5:11a | 1:23p | 6:48p | 9:27p | 10:38p |
| Jul 23 | 3:20a | 5:13a | 1:23p | 6:47p | 9:26p | 10:37p |
| Jul 24 | 3:22a | 5:14a | 1:23p | 6:46p | 9:24p | 10:35p |
| Jul 25 | 3:24a | 5:16a | 1:23p | 6:46p | 9:23p | 10:33p |
| Jul 26 | 3:26a | 5:17a | 1:23p | 6:45p | 9:21p | 10:31p |
| Jul 27 | 3:28a | 5:19a | 1:23p | 6:44p | 9:19p | 10:29p |
| Jul 28 | 3:30a | 5:20a | 1:23p | 6:43p | 9:18p | 10:27p |
| Jul 29 | 3:31a | 5:22a | 1:23p | 6:42p | 9:16p | 10:25p |
| Jul 30 | 3:33a | 5:24a | 1:23p | 6:41p | 9:15p | 10:23p |
| Jul 31 | 3:35a | 5:25a | 1:23p | 6:40p | 9:13p | 10:21p |
| Aug 1 | 3:37a | 5:27a | 1:23p | 6:39p | 9:11p | 10:19p |
| Aug 2 | 3:39a | 5:28a | 1:23p | 6:38p | 9:09p | 10:17p |
| Aug 3 | 3:41a | 5:30a | 1:23p | 6:37p | 9:07p | 10:15p |
| Aug 4 | 3:43a | 5:32a | 1:23p | 6:36p | 9:06p | 10:13p |
| Aug 5 | 3:45a | 5:33a | 1:23p | 6:34p | 9:04p | 10:10p |
| Aug 6 | 3:47a | 5:35a | 1:23p | 6:33p | 9:02p | 10:08p |
| Aug 7 | 3:49a | 5:37a | 1:23p | 6:32p | 9:00p | 10:06p |
| Aug 8 | 3:51a | 5:39a | 1:22p | 6:31p | 8:58p | 10:04p |
| Aug 9 | 3:53a | 5:40a | 1:22p | 6:30p | 8:56p | 10:03p |
| Aug 10 | 3:55a | 5:42a | 1:22p | 6:28p | 8:54p | 10:01p |
| Aug 11 | 3:57a | 5:44a | 1:22p | 6:27p | 8:52p | 9:59p |
| Aug 12 | 3:59a | 5:45a | 1:22p | 6:26p | 8:50p | 9:57p |
| Aug 13 | 4:01a | 5:47a | 1:22p | 6:24p | 8:48p | 9:55p |
| Aug 14 | 4:03a | 5:49a | 1:22p | 6:23p | 8:46p | 9:54p |
| Aug 15 | 4:05a | 5:51a | 1:21p | 6:21p | 8:44p | 9:52p |
| Aug 16 | 4:07a | 5:52a | 1:21p | 6:20p | 8:42p | 9:50p |
| Aug 17 | 4:09a | 5:54a | 1:21p | 6:18p | 8:39p | 9:48p |
| Aug 18 | 4:11a | 5:56a | 1:21p | 6:17p | 8:37p | 9:46p |
| Aug 19 | 4:13a | 5:57a | 1:20p | 6:15p | 8:35p | 9:44p |
| Aug 20 | 4:15a | 5:59a | 1:20p | 6:14p | 8:33p | 9:42p |
| Aug 21 | 4:17a | 6:01a | 1:20p | 6:12p | 8:31p | 9:40p |


| Aug 22 | 4:19a | 6:03a | 1:20p | 6:11p | 8:28p | 9:38p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:21a | 6:04a | 1:20p | 6:09p | 8:26p | 9:36p |
| Aug 24 | 4:23a | 6:06a | 1:19p | 6:07p | 8:24p | $9: 34 \mathrm{p}$ |
| Aug 25 | 4:26a | 6:08a | 1:19p | 6:06p | 8:22p | 9:32p |
| Aug 26 | 4:28a | 6:10a | 1:19p | 6:04p | 8:19p | 9:30p |
| Aug 27 | 4:30a | 6:11a | 1:18p | 6:02p | 8:17p | 9:28p |
| Aug 28 | 4:32a | 6:13a | 1:18p | 6:01p | 8:15p | 9:26p |
| Aug 29 | 4:34a | 6:15a | 1:18p | 5:59p | 8:12p | $9: 24 \mathrm{p}$ |
| Aug 30 | 4:36a | 6:17a | 1:18p | 5:57p | 8:10p | 9:22p |
| Aug 31 | 4:38a | 6:18a | 1:17p | 5:55p | 8:08p | 9:20p |
| Sep 1 | 4:40a | 6:20a | 1:17p | 5:54p | 8:05p | 9:18p |
| Sep 2 | 4:42a | 6:22a | 1:17p | 5:52p | 8:03p | 9:15p |
| Sep 3 | 4:44a | 6:24a | 1:16p | 5:50p | 8:01p | 9:13p |
| Sep 4 | 4:46a | 6:25a | 1:16p | 5:48p | 7:58p | 9:11p |
| Sep 5 | 4:48a | 6:27a | 1:16p | 5:46p | 7:56p | 9:09p |
| Sep 6 | 4:50a | 6:29a | 1:15p | 5:44p | 7:53p | 9:07p |
| Sep 7 | 4:52a | 6:30a | 1:15p | 5:42p | 7:51p | 9:05p |
| Sep 8 | 4:54a | 6:32a | 1:15p | 5:40p | 7:49p | 9:03p |
| Sep 9 | 4:56a | 6:34a | 1:14p | 5:39p | 7:46p | 9:00p |
| Sep 10 | 4:58a | 6:36a | 1:14p | 5:37p | 7:44p | 8:58p |
| Sep 11 | 5:00a | 6:37a | 1:14p | 5:35p | 7:41p | 8:56p |
| Sep 12 | 5:02a | 6:39a | 1:13p | 5:33p | 7:39p | 8:54p |
| Sep 13 | 5:04a | 6:41a | 1:13p | 5:31p | 7:36p | 8:52p |
| Sep 14 | 5:06a | 6:43a | 1:13p | 5:29p | 7:34p | 8:49p |
| Sep 15 | 5:08a | 6:44a | 1:12p | 5:27p | 7:32p | 8:47p |
| Sep 16 | 5:10a | 6:46a | 1:12p | 5:25p | 7:29p | 8:45p |
| Sep 17 | 5:12a | 6:48a | 1:11p | 5:23p | 7:27p | 8:43p |
| Sep 18 | 5:15a | 6:50a | 1:11p | 5:21p | $7: 24 \mathrm{p}$ | 8:41p |
| Sep 19 | 5:17a | 6:51a | 1:11p | 5:19p | 7:22p | 8:38p |
| Sep 20 | 5:19a | 6:53a | 1:10p | 5:17p | 7:19p | 8:36p |
| Sep 21 | 5:21a | 6:55a | 1:10p | 5:14p | 7:17p | 8:34p |
| Sep 22 | 5:23a | 6:57a | 1:10p | 5:12p | $7: 14 \mathrm{p}$ | 8:32p |
| Sep 23 | 5:24a | 6:58a | 1:09p | 5:10p | 7:12p | 8:30p |
| Sep 24 | 5:26a | 7:00a | 1:09p | 5:08p | 7:09p | 8:27p |


| Sep 25 | 5:28a | 7:02a | 1:09p | 5:06p | 7:07p | 8:25p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:29a | 7:04a | 1:08p | 5:04p | 7:05p | 8:23p |
| Sep 27 | 5:31a | 7:05a | 1:08p | 5:02p | 7:02p | 8:21p |
| Sep 28 | 5:33a | 7:07a | 1:08p | 5:00p | 7:00p | 8:19p |
| Sep 29 | 5:34a | 7:09a | 1:07p | 4:58p | 6:57p | 8:16p |
| Sep 30 | 5:36a | 7:11a | 1:07p | 4:56p | 6:55p | 8:14p |
| Oct 1 | 5:38a | 7:12a | 1:07p | 4:53p | 6:53p | 8:12p |
| Oct 2 | 5:39a | 7:14a | 1:06p | 4:51p | 6:50p | 8:10p |
| Oct 3 | 5:41a | 7:16a | 1:06p | 4:49p | 6:48p | 8:08p |
| Oct 4 | 5:43a | 7:18a | 1:06p | 4:47p | 6:45p | 8:06p |
| Oct 5 | 5:44a | 7:20a | 1:05p | 4:45p | 6:43p | 8:03p |
| Oct 6 | 5:46a | 7:21a | 1:05p | 4:43p | 6:40p | 8:01p |
| Oct 7 | 5:48a | 7:23a | 1:05p | 4:41p | 6:38p | 7:59p |
| Oct 8 | 5:49a | 7:25a | 1:04p | 4:39p | 6:36p | 7:57p |
| Oct 9 | 5:51a | 7:27a | 1:04p | 4:37p | 6:33p | 7:55p |
| Oct 10 | 5:53a | 7:29a | 1:04p | 4:34p | 6:31p | 7:53p |
| Oct 11 | 5:55a | 7:30a | 1:04p | 4:32p | 6:29p | 7:51p |
| Oct 12 | 5:56a | 7:32a | 1:03p | 4:30p | 6:26p | 7:49p |
| Oct 13 | 5:58a | 7:34a | 1:03p | 4:28p | 6:24p | 7:47p |
| Oct 14 | 6:00a | 7:36a | 1:03p | 4:26p | 6:22p | 7:45p |
| Oct 15 | 6:02a | 7:38a | 1:03p | 4:24p | 6:19p | 7:42p |
| Oct 16 | 6:03a | 7:40a | 1:02p | 4:22p | 6:17p | 7:40p |
| Oct 17 | 6:05a | 7:41a | 1:02p | 4:20p | 6:15p | 7:38p |
| Oct 18 | 6:07a | 7:43a | 1:02p | 4:18p | 6:13p | 7:36p |
| Oct 19 | 6:09a | 7:45a | 1:02p | 4:16p | 6:10p | 7:34p |
| Oct 20 | 6:10a | 7:47a | 1:02p | 4:14p | 6:08p | 7:32p |
| Oct 21 | 6:12a | 7:49a | 1:01p | 4:12p | 6:06p | 7:31p |
| Oct 22 | 6:14a | 7:51a | 1:01p | 4:10p | 6:04p | 7:29p |
| Oct 23 | 6:16a | 7:53a | 1:01p | 4:08p | 6:02p | 7:27p |
| Oct 24 | 6:17a | 7:55a | 1:01p | 4:06p | 5:59p | 7:25p |
| Oct 25 | 6:19a | 7:56a | 1:01p | 4:04p | 5:57p | 7:23p |
| Oct 26 | 6:21a | 7:58a | 1:01p | 4:02p | 5:55p | 7:21p |
| Oct 27 | 6:23a | 8:00a | 1:01p | 4:00p | 5:53p | 7:19p |
| Oct 28 | 5:25a | 7:02a | 12:01p | 2:58p | 4:51p | 6:17p |
| 269 |  |  |  |  |  |  |


| Oct 29 | 5:26a | 7:04a | 12:00n | 2:56p | 4:49p | 6:16p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:28a | 7:06a | 12:00n | 2:54p | 4:47p | 6:14p |
| Oct 31 | 5:30a | 7:08a | 12:00n | 2:52p | 4:45p | 6:12p |
| Nov 1 | 5:32a | 7:10a | 12:00n | 2:50p | 4:43p | 6:10p |
| Nov 2 | 5:34a | 7:12a | 12:00n | 2:48p | 4:41p | 6:09p |
| Nov 3 | 5:35a | 7:13a | 12:00n | 2:47p | 4:39p | 6:07p |
| Nov 4 | 5:37a | 7:15a | 12:00n | 2:45p | 4:37p | 6:05p |
| Nov 5 | 5:39a | 7:17a | 12:00n | 2:43p | 4:35p | 6:04p |
| Nov 6 | 5:41a | 7:19a | 12:00n | 2:41p | 4:34p | 6:02p |
| Nov 7 | 5:43a | 7:21a | 12:00n | 2:40p | 4:32p | 6:01p |
| Nov 8 | 5:45a | 7:23a | 12:00n | 2:38p | 4:30p | 5:59p |
| Nov 9 | 5:46a | 7:25a | 12:00n | 2:36p | 4:28p | 5:58p |
| Nov 10 | 5:48a | 7:27a | 12:01p | 2:35p | 4:27p | 5:56p |
| Nov 11 | 5:50a | 7:29a | 12:01p | 2:33p | 4:25p | 5:55p |
| Nov 12 | 5:52a | 7:31a | 12:01p | 2:32p | 4:23p | 5:53p |
| Nov 13 | 5:54a | 7:32a | 12:01p | 2:30p | 4:22p | 5:52p |
| Nov 14 | 5:55a | 7:34a | 12:01p | 2:29p | 4:20p | 5:51p |
| Nov 15 | 5:57a | 7:36a | 12:01p | 2:27p | 4:19p | 5:49p |
| Nov 16 | 5:59a | 7:38a | 12:01p | 2:26p | 4:17p | 5:48p |
| Nov 17 | 6:01a | 7:40a | 12:01p | 2:24p | 4:16p | 5:47p |
| Nov 18 | 6:02a | 7:42a | 12:02p | 2:23p | 4:14p | 5:46p |
| Nov 19 | 6:04a | 7:44a | 12:02p | 2:22p | 4:13p | 5:45p |
| Nov 20 | 6:06a | 7:45a | 12:02p | 2:20p | 4:12p | 5:44p |
| Nov 21 | 6:07a | 7:47a | 12:02p | 2:19p | 4:10p | 5:43p |
| Nov 22 | 6:09a | 7:49a | 12:03p | 2:18p | 4:09p | 5:42p |
| Nov 23 | 6:11a | 7:51a | 12:03p | 2:17p | 4:08p | 5:41p |
| Nov 24 | 6:12a | 7:52a | 12:03p | 2:16p | 4:07p | 5:40p |
| Nov 25 | 6:14a | 7:54a | 12:03p | 2:15p | 4:06p | 5:39p |
| Nov 26 | 6:15a | 7:56a | 12:04p | 2:14p | 4:05p | 5:38p |
| Nov 27 | 6:17a | 7:57a | 12:04p | 2:13p | 4:04p | 5:37p |
| Nov 28 | 6:18a | 7:59a | 12:04p | 2:12p | 4:03p | 5:37p |
| Nov 29 | 6:20a | 8:00a | 12:05p | 2:11p | 4:02p | 5:36p |
| Nov 30 | 6:21a | 8:02a | 12:05p | 2:10p | 4:01p | 5:35p |
| Dec 1 | 6:23a | 8:04a | 12:05p | 2:10p | 4:00p | 5:35p |


| Dec 2 | 6:24a | 8:05a | 12:06p | 2:09p | 4:00p | 5:34p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:26a | 8:06a | 12:06p | 2:08p | 3:59p | 5:34p |
| Dec 4 | 6:27a | 8:08a | 12:07p | 2:08p | 3:58p | 5:34p |
| Dec 5 | 6:28a | 8:09a | 12:07p | 2:07p | 3:58p | 5:33p |
| Dec 6 | 6:29a | 8:11a | 12:07p | 2:07p | 3:57p | 5:33p |
| Dec 7 | 6:31a | 8:12a | 12:08p | 2:06p | 3:57p | 5:33p |
| Dec 8 | 6:32a | 8:13a | 12:08p | 2:06p | 3:56p | 5:33p |
| Dec 9 | 6:33a | 8:14a | 12:09p | 2:06p | 3:56p | 5:33p |
| Dec 10 | 6:34a | 8:16a | 12:09p | 2:06p | 3:56p | 5:33p |
| Dec 11 | 6:35a | 8:17a | 12:10p | 2:05p | 3:56p | 5:33p |
| Dec 12 | 6:36a | 8:18a | 12:10p | 2:05p | 3:56p | 5:33p |
| Dec 13 | 6:37a | 8:19a | 12:10p | 2:05p | 3:56p | 5:33p |
| Dec 14 | 6:38a | 8:20a | 12:11p | 2:05p | 3:56p | 5:33p |
| Dec 15 | 6:38a | 8:21a | 12:11p | 2:05p | 3:56p | 5:34p |
| Dec 16 | 6:39a | 8:21a | 12:12p | 2:05p | 3:56p | 5:34p |
| Dec 17 | 6:40a | 8:22a | 12:12p | 2:06p | 3:56p | 5:34p |
| Dec 18 | 6:41a | 8:23a | 12:13p | 2:06p | 3:56p | 5:34p |
| Dec 19 | 6:41a | 8:24a | 12:13p | 2:06p | 3:56p | 5:35p |
| Dec 20 | 6:42a | 8:24a | 12:14p | 2:06p | 3:57p | 5:35p |
| Dec 21 | 6:43a | 8:25a | 12:14p | 2:07p | 3:57p | 5:36p |
| Dec 22 | 6:43a | 8:25a | 12:15p | 2:07p | 3:58p | 5:36p |
| Dec 23 | 6:43a | 8:26a | 12:15p | 2:08p | 3:58p | 5:37p |
| Dec 24 | 6:44a | 8:26a | 12:16p | 2:08p | 3:59p | 5:37p |
| Dec 25 | 6:44a | 8:27a | 12:16p | 2:09p | 4:00p | 5:38p |
| Dec 26 | 6:45a | 8:27a | 12:17p | 2:10p | 4:00p | 5:39p |
| Dec 27 | 6:45a | 8:27a | 12:17p | 2:10p | 4:01p | 5:39p |
| Dec 28 | 6:45a | 8:27a | 12:18p | 2:11p | 4:02p | 5:40p |
| Dec 29 | 6:45a | 8:27a | 12:18p | 2:12p | 4:03p | 5:41p |
| Dec 30 | 6:45a | 8:27a | 12:19p | 2:13p | 4:04p | 5:42p |
| Dec 31 | 6:45a | 8:27a | 12:19p | 2:14p | 4:05p | 5:43p |

## LUTON Bedfordshire $\mathrm{Lt}=51: 53 \mathrm{~N}$ Lg= $0: 25 \mathrm{~W}$ GMT+ 0

Qiblah Compass=121:21E(2006.94) Qiblah from True North=119:02E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $6: 28 \mathrm{a}$ |
| Jan 2 | $6: 28 \mathrm{a}$ |
| Jan 3 | $6: 28 \mathrm{a}$ |
| Jan 4 | $6: 28 \mathrm{a}$ |
| Jan 5 | $6: 28 \mathrm{a}$ |

Sunrise Zuhr Asr(H) Maghrib Isha 8:09a 12:10p

2:14p 8:09a 12:10p

2:15p
8:09a 12:11p
2:16p $4: 06 p \quad 5: 42 p$
8:09a 12:11p
2:17p
2:18p

| $4: 08 \mathrm{p}$ | $5: 43 \mathrm{p}$ |
| :--- | :--- |
| $4: 09 \mathrm{p}$ | $5: 44 \mathrm{p}$ |

Jan 6 6:28a
Jan 7 6:27a

Jan 8 6:27a
Jan 9 6:26a Jan 10 6:26a
Jan 11 6:25a
Jan 12 6:25a

8:05a 12:15p
2:19p
8:08a $\quad 12: 12 p$
8:08a 12:13p
2:21p
4:10p $\quad 5: 45 p$

8:07a $12: 13 \mathrm{p}$
8
8:07a $\quad 12: 13 \mathrm{p}$

2:22p
4:11p $\quad 5: 46 p$
4:13p $\quad 5: 47 \mathrm{p}$
2:23p $4: 14 \mathrm{p} \quad 5: 48 \mathrm{p}$
8:06a $\quad 12: 14 \mathrm{p} \quad 2: 24 \mathrm{p} \quad 4: 15 \mathrm{p} \quad 5: 50 \mathrm{p}$
8:06a 12:14p
2:26p $\quad 4$
4:17p $\quad 5: 51 p$
2:27p $4: 18 \mathrm{p} \quad 5: 52 \mathrm{p}$
Jan 13 6:24a
Jan 14 6:24a
Jan 15 6:23a
Jan 16 6:22a Jan 17 6:21a
Jan 18 6:20a
Jan 19 6:20a

8:04a $12: 15 \mathrm{p}$
2:29p
4:20p $\quad 5: 53 \mathrm{p}$
8:03a 12:15p
2:30p $4: 21 p \quad 5: 55 p$
8:03a 12:16p
2:31p $4: 23 p \quad 5: 56 p$
8:02a $\quad 12: 16 p \quad 2: 33 p \quad 4: 24 p \quad 5: 57 p$
8:01a $\quad 12: 16 p \quad 2: 34 p \quad 4: 26 p \quad 5: 59 p$
8:00a $\quad 12: 17 \mathrm{p}$
7:59a 12:17p
2:36p 4

4:28p 6:00p
4:29p 6:01p

| Jan 20 | 6:19a | 7:58a | 12:17p | 2:39p | 4:31p | 6:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 21 | 6:18a | 7:57a | 12:18p | 2:41p | 4:33p | 6:04p |
| Jan 22 | 6:17a | 7:56a | 12:18p | 2:42p | 4:34p | 6:06p |
| Jan 23 | 6:15a | 7:54a | 12:18p | 2:44p | 4:36p | 6:07p |
| Jan 24 | 6:14a | 7:53a | 12:19p | 2:46p | 4:38p | 6:09p |
| Jan 25 | 6:13a | 7:52a | 12:19p | 2:47p | 4:40p | 6:10p |
| Jan 26 | 6:12a | 7:51a | 12:19p | 2:49p | 4:41p | 6:12p |
| Jan 27 | 6:11a | 7:49a | 12:19p | 2:51p | 4:43p | 6:13p |
| Jan 28 | 6:09a | 7:48a | 12:19p | 2:52p | 4:45p | 6:15p |
| Jan 29 | 6:08a | 7:46a | 12:20p | 2:54p | 4:47p | 6:17p |


| Jan 30 | 6:07a | 7:45a | 12:20p | 2:56p | 4:49p | 6:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:05a | 7:43a | 12:20p | 2:57p | 4:50p | 6:20p |
| Feb 1 | 6:04a | 7:42a | 12:20p | 2:59p | 4:52p | 6:21p |
| Feb 2 | 6:02a | 7:40a | 12:20p | 3:01p | 4:54p | 6:23p |
| Feb 3 | 6:01a | 7:39a | 12:20p | 3:03p | 4:56p | 6:25p |
| Feb 4 | 5:59a | 7:37a | 12:20p | 3:04p | 4:58p | 6:26p |
| Feb 5 | 5:58a | 7:35a | 12:21p | 3:06p | 5:00p | 6:28p |
| Feb 6 | 5:56a | 7:34a | 12:21p | 3:08p | 5:01p | 6:29p |
| Feb 7 | 5:55a | 7:32a | 12:21p | 3:10p | 5:03p | 6:31p |
| Feb 8 | 5:53a | 7:30a | 12:21p | 3:11p | 5:05p | 6:33p |
| Feb 9 | 5:51a | 7:28a | 12:21p | 3:13p | 5:07p | 6:34p |
| Feb 10 | 5:49a | 7:27a | 12:21p | 3:15p | 5:09p | 6:36p |
| Feb 11 | 5:48a | 7:25a | 12:21p | 3:17p | 5:11p | 6:37p |
| Feb 12 | 5:46a | 7:23a | 12:21p | 3:18p | 5:13p | 6:39p |
| Feb 13 | 5:44a | 7:21a | 12:21p | 3:20p | 5:14p | 6:41p |
| Feb 14 | 5:42a | 7:19a | 12:21p | 3:22p | 5:16p | 6:42p |
| Feb 15 | 5:41a | 7:17a | 12:21p | 3:23p | 5:18p | 6:44p |
| Feb 16 | 5:39a | 7:15a | 12:21p | 3:25p | 5:20p | 6:45p |
| Feb 17 | 5:37a | 7:13a | 12:21p | 3:27p | 5:22p | 6:47p |
| Feb 18 | 5:35a | 7:11a | 12:21p | 3:29p | 5:24p | 6:49p |
| Feb 19 | 5:33a | 7:09a | 12:21p | 3:30p | 5:26p | 6:50p |
| Feb 20 | 5:31a | 7:07a | 12:20p | 3:32p | 5:27p | 6:52p |
| Feb 21 | 5:29a | 7:05a | 12:20p | 3:34p | 5:29p | 6:53p |
| Feb 22 | 5:27a | 7:03a | 12:20p | 3:35p | 5:31p | 6:55p |
| Feb 23 | 5:25a | 7:01a | 12:20p | 3:37p | 5:33p | 6:57p |
| Feb 24 | 5:23a | 6:59a | 12:20p | 3:39p | 5:35p | 6:58p |
| Feb 25 | 5:21a | 6:57a | 12:20p | 3:40p | 5:37p | 7:00p |
| Feb 26 | 5:19a | 6:55a | 12:20p | 3:42p | 5:38p | 7:01p |
| Feb 27 | 5:17a | 6:53a | 12:20p | 3:43p | 5:40p | 7:03p |
| Feb 28 | 5:15a | 6:50a | 12:19p | 3:45p | 5:42p | 7:05p |
| Mar 1 | 5:13a | 6:48a | 12:19p | 3:47p | 5:44p | 7:06p |
| Mar 2 | 5:11a | 6:46a | 12:19p | 3:48p | 5:46p | 7:08p |
| Mar 3 | 5:09a | 6:44a | 12:19p | 3:50p | 5:47p | 7:09p |
| Mar 4 | 5:07a | 6:42a | 12:19p | 3:51p | 5:49p | 7:11p |


| Mar 5 | 5:05a | 6:40a | 12:18p | 3:53p | 5:51p | 7:12p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:02a | 6:37a | 12:18p | 3:54p | 5:53p | 7:14p |
| Mar 7 | 5:00a | 6:35a | 12:18p | 3:56p | 5:54p | 7:15p |
| Mar 8 | 4:58a | 6:33a | 12:18p | 3:57p | 5:56p | 7:17p |
| Mar 9 | 4:56a | 6:31a | 12:17p | 3:59p | 5:58p | 7:18p |
| Mar 10 | 4:54a | 6:28a | 12:17p | 4:00p | 6:00p | 7:20p |
| Mar 11 | 4:52a | 6:26a | 12:17p | 4:02p | 6:01p | 7:21p |
| Mar 12 | 4:49a | 6:24a | 12:17p | 4:03p | 6:03p | 7:23p |
| Mar 13 | 4:47a | 6:21a | 12:16p | 4:05p | 6:05p | 7:24p |
| Mar 14 | 4:45a | 6:19a | 12:16p | 4:06p | 6:07p | 7:26p |
| Mar 15 | 4:43a | 6:17a | 12:16p | 4:08p | 6:08p | 7:27p |
| Mar 16 | 4:41a | 6:15a | 12:16p | 4:09p | 6:10p | 7:29p |
| Mar 17 | 4:38a | 6:12a | 12:15p | 4:11p | 6:12p | 7:30p |
| Mar 18 | 4:36a | 6:10a | 12:15p | 4:12p | 6:14p | 7:32p |
| Mar 19 | 4:34a | 6:08a | 12:15p | 4:13p | 6:15p | 7:33p |
| Mar 20 | 4:32a | 6:05a | 12:14p | 4:15p | 6:17p | 7:35p |
| Mar 21 | 4:30a | 6:03a | 12:14p | 4:16p | 6:19p | 7:36p |
| Mar 22 | 4:27a | 6:01a | 12:14p | 4:17p | 6:20p | 7:38p |
| Mar 23 | 4:25a | 5:58a | 12:14p | 4:19p | 6:22p | 7:39p |
| Mar 24 | 4:22a | 5:56a | 12:13p | 4:20p | 6:24p | 7:41p |
| Mar 25 | 5:20a | 6:54a | 1:13p | 5:21p | 7:26p | 8:42p |
| Mar 26 | 5:17a | 6:52a | 1:13p | 5:23p | 7:27p | 8:44p |
| Mar 27 | 5:14a | 6:49a | 1:12p | 5:24p | 7:29p | 8:45p |
| Mar 28 | 5:12a | 6:47a | 1:12p | 5:25p | 7:31p | 8:47p |
| Mar 29 | 5:09a | 6:45a | 1:12p | 5:27p | 7:33p | 8:48p |
| Mar 30 | 5:07a | 6:42a | 1:11p | 5:28p | 7:34p | 8:50p |
| Mar 31 | 5:04a | 6:40a | 1:11p | 5:29p | 7:36p | 8:51p |
| Apr 1 | 5:01a | 6:38a | 1:11p | 5:31p | 7:38p | 8:53p |
| Apr 2 | 4:59a | 6:35a | 1:10p | 5:32p | 7:39p | 8:54p |
| Apr 3 | 4:56a | 6:33a | 1:10p | 5:33p | 7:41p | 8:55p |
| Apr 4 | 4:54a | 6:31a | 1:10p | 5:34p | 7:43p | 8:57p |
| Apr 5 | 4:51a | 6:29a | 1:10p | 5:36p | 7:44p | 8:58p |
| Apr 6 | 4:49a | 6:26a | 1:09p | 5:37p | 7:46p | 9:00p |
| Apr 7 | 4:46a | 6:24a | 1:09p | 5:38p | 7:48p | 9:01p |


| Apr 8 | 4:43a | 6:22a | 1:09p | 5:39p | 7:50p | 9:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:41a | 6:20a | 1:08p | 5:40p | 7:51p | 9:04p |
| Apr 10 | 4:38a | 6:17a | 1:08p | 5:42p | 7:53p | 9:06p |
| Apr 11 | 4:36a | 6:15a | 1:08p | 5:43p | 7:55p | 9:07p |
| Apr 12 | 4:33a | 6:13a | 1:08p | 5:44p | 7:56p | 9:09p |
| Apr 13 | 4:31a | 6:11a | 1:07p | 5:45p | 7:58p | 9:10p |
| Apr 14 | 4:28a | 6:08a | 1:07p | 5:46p | 8:00p | 9:12p |
| Apr 15 | 4:26a | 6:06a | 1:07p | 5:47p | 8:01p | $9: 13 \mathrm{p}$ |
| Apr 16 | 4:23a | 6:04a | 1:07p | 5:49p | 8:03p | 9:14p |
| Apr 17 | 4:21a | 6:02a | 1:06p | 5:50p | 8:05p | 9:16p |
| Apr 18 | 4:18a | 6:00a | 1:06p | 5:51p | 8:07p | 9:17p |
| Apr 19 | 4:16a | 5:58a | 1:06p | 5:52p | 8:08p | 9:19p |
| Apr 20 | 4:14a | 5:56a | 1:06p | 5:53p | 8:10p | 9:20p |
| Apr 21 | 4:11a | 5:53a | 1:06p | 5:54p | 8:12p | 9:22p |
| Apr 22 | 4:09a | 5:51a | 1:05p | 5:55p | 8:13p | 9:23p |
| Apr 23 | 4:06a | 5:49a | 1:05p | 5:56p | 8:15p | 9:25p |
| Apr 24 | 4:04a | 5:47a | 1:05p | 5:57p | 8:17p | 9:26p |
| Apr 25 | 4:02a | 5:45a | 1:05p | 5:59p | 8:18p | 9:28p |
| Apr 26 | 3:59a | 5:43a | 1:05p | 6:00p | 8:20p | 9:29p |
| Apr 27 | 3:57a | 5:41a | 1:04p | 6:01p | 8:22p | 9:30p |
| Apr 28 | 3:55a | 5:39a | 1:04p | 6:02p | 8:23p | 9:32p |
| Apr 29 | 3:53a | 5:37a | 1:04p | 6:03p | 8:25p | 9:33p |
| Apr 30 | 3:50a | 5:35a | 1:04p | 6:04p | 8:27p | 9:35p |
| May 1 | 3:48a | 5:33a | 1:04p | 6:05p | 8:28p | 9:36p |
| May 2 | 3:46a | 5:31a | 1:04p | 6:06p | 8:30p | 9:38p |
| May 3 | 3:44a | 5:29a | 1:04p | 6:07p | 8:32p | 9:39p |
| May 4 | 3:42a | 5:28a | 1:04p | 6:08p | 8:33p | 9:40p |
| May 5 | 3:39a | 5:26a | 1:03p | 6:09p | 8:35p | 9:42p |
| May 6 | 3:37a | 5:24a | 1:03p | 6:10p | 8:37p | 9:43p |
| May 7 | 3:35a | 5:22a | 1:03p | 6:11p | 8:38p | 9:45p |
| May 8 | 3:33a | 5:20a | 1:03p | 6:12p | 8:40p | 9:47p |
| May 9 | 3:31a | 5:19a | 1:03p | 6:13p | 8:42p | 9:49p |
| May 10 | 3:29a | 5:17a | 1:03p | 6:14p | 8:43p | 9:50p |
| May 11 | 3:27a | 5:15a | 1:03p | 6:15p | 8:45p | 9:52p |


| May 12 | 3:25a | 5:14a | 1:03p | 6:16p | 8:46p | 9:54p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:12a | 1:03p | 6:17p | 8:48p | 9:56p |
| May 14 | 3:22a | 5:10a | 1:03p | 6:18p | 8:50p | 9:58p |
| May 15 | 3:20a | 5:09a | 1:03p | 6:19p | 8:51p | 10:00p |
| May 16 | 3:18a | 5:07a | 1:03p | 6:19p | 8:53p | 10:02p |
| May 17 | 3:16a | 5:06a | 1:03p | 6:20p | 8:54p | 10:04p |
| May 18 | 3:14a | 5:05a | 1:03p | 6:21p | 8:56p | 10:05p |
| May 19 | 3:13a | 5:03a | 1:03p | 6:22p | 8:57p | 10:07p |
| May 20 | 3:11a | 5:02a | 1:03p | 6:23p | 8:58p | 10:09p |
| May 21 | 3:09a | 5:00a | 1:03p | 6:24p | 9:00p | 10:11p |
| May 22 | 3:08a | 4:59a | 1:03p | 6:25p | 9:01p | 10:12p |
| May 23 | 3:06a | 4:58a | 1:03p | 6:25p | 9:03p | 10:14p |
| May 24 | 3:05a | 4:57a | 1:03p | 6:26p | 9:04p | 10:16p |
| May 25 | 3:03a | 4:56a | 1:04p | 6:27p | 9:05p | 10:17p |
| May 26 | 3:02a | 4:54a | 1:04p | 6:28p | 9:07p | 10:19p |
| May 27 | 3:01a | 4:53a | 1:04p | 6:29p | 9:08p | 10:21p |
| May 28 | 2:59a | 4:52a | 1:04p | 6:29p | 9:09p | 10:22p |
| May 29 | 2:58a | 4:51a | 1:04p | 6:30p | 9:10p | 10:24p |
| May 30 | 2:57a | 4:50a | 1:04p | 6:31p | 9:12p | 10:25p |
| May 31 | 2:56a | 4:50a | 1:04p | 6:32p | 9:13p | 10:27p |
| Jun 1 | 2:54a | 4:49a | 1:04p | 6:32p | 9:14p | 10:28p |
| Jun 2 | 2:53a | 4:48a | 1:05p | 6:33p | 9:15p | 10:29p |
| Jun 3 | 2:52a | 4:47a | 1:05p | 6:34p | 9:16p | 10:31p |
| Jun 4 | 2:51a | 4:46a | 1:05p | 6:34p | 9:17p | 10:32p |
| Jun 5 | 2:50a | 4:46a | 1:05p | 6:35p | 9:18p | 10:33p |
| Jun 6 | 2:49a | 4:45a | 1:05p | 6:35p | 9:19p | 10:35p |
| Jun 7 | 2:49a | 4:45a | 1:05p | 6:36p | 9:20p | 10:36p |
| Jun 8 | 2:48a | 4:44a | 1:06p | 6:36p | 9:21p | 10:37p |
| Jun 9 | 2:47a | 4:44a | 1:06p | 6:37p | 9:22p | 10:38p |
| Jun 10 | 2:46a | 4:43a | 1:06p | 6:38p | 9:22p | 10:39p |
| Jun 11 | 2:46a | 4:43a | 1:06p | 6:38p | 9:23p | 10:40p |
| Jun 12 | 2:45a | 4:42a | 1:06p | 6:39p | 9:24p | 10:41p |
| Jun 13 | 2:44a | 4:42a | 1:07p | 6:39p | 9:24p | 10:42p |
| Jun 14 | 2:44a | 4:42a | 1:07p | 6:39p | 9:25p | 10:43p |


| Jun 15 | 2:44a | 4:42a | 1:07p | 6:40p | 9:26p | 10:44p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| Jul 15 | 3:06a | 5:00a | 1:13p | 6:39p | 9:18p | 10:31p |
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| Jul 18 | 3:11a | 5:03a | 1:13p | 6:38p | 9:15p | 10:27p |


| Jul 19 | 3:12a | 5:05a | 1:13p | 6:37p | 9:13p | 10:26p |
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| Aug 22 | 4:14a | 5:57a | 1:10p | 6:00p | 8:15p | 9:24p |
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| Sep 29 | 5:24a | 6:58a | 12:57p | 4:50p | 6:48p | 8:07p |
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| Oct 28 | 5:12a | 6:48a | 11:51a | 2:53p | 4:45p | 6:11p |
| 280 |  |  |  |  |  |  |


| Oct 29 | 5:13a | 6:50a | 11:50a | 2:51p | 4:43p | 6:09p |
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| Oct 31 | 5:17a | 6:54a | 11:50a | 2:48p | 4:39p | 6:06p |
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| Nov 3 | 5:22a | 6:59a | 11:50a | 2:42p | 4:34p | 6:01p |
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| Nov 11 | 5:35a | 7:13a | 11:51a | 2:30p | 4:20p | 5:50p |
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| Nov 13 | 5:38a | 7:17a | 11:51a | 2:27p | 4:17p | 5:47p |
| Nov 14 | 5:40a | 7:19a | 11:51a | 2:25p | 4:16p | 5:46p |
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| Dec 2 | 6:07a | 7:48a | 11:56a | 2:07p | 3:57p | 5:31p |
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| Dec 4 | 6:10a | 7:50a | 11:57a | 2:06p | 3:56p | 5:31p |
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| Dec 8 | 6:15a | 7:55a | 11:58a | 2:05p | 3:54p | 5:30p |
| Dec 9 | 6:16a | 7:56a | 11:59a | 2:05p | 3:54p | 5:30p |
| Dec 10 | 6:17a | 7:58a | 11:59a | 2:04p | 3:54p | 5:30p |
| Dec 11 | 6:18a | 7:59a | 12:00n | 2:04p | 3:54p | 5:30p |
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| Dec 15 | 6:21a | 8:02a | 12:01p | 2:04p | 3:54p | 5:31p |
| Dec 16 | 6:22a | 8:03a | 12:02p | 2:04p | 3:54p | 5:32p |
| Dec 17 | 6:22a | 8:04a | 12:02p | 2:05p | 3:54p | 5:32p |
| Dec 18 | 6:23a | 8:05a | 12:03p | 2:05p | 3:54p | 5:32p |
| Dec 19 | 6:24a | 8:05a | 12:03p | 2:05p | 3:55p | 5:32p |
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| Dec 25 | 6:27a | 8:08a | 12:06p | 2:08p | 3:58p | 5:36p |
| Dec 26 | 6:27a | 8:09a | 12:07p | 2:09p | 3:59p | 5:36p |
| Dec 27 | 6:27a | 8:09a | 12:07p | 2:09p | 3:59p | 5:37p |
| Dec 28 | 6:27a | 8:09a | 12:08p | 2:10p | 4:00p | 5:38p |
| Dec 29 | 6:28a | 8:09a | 12:08p | 2:11p | 4:01p | 5:39p |
| Dec 30 | 6:28a | 8:09a | 12:09p | 2:12p | 4:02p | 5:40p |
| Dec 31 | 6:28a | 8:09a | 12:09p | 2:13p | 4:03p | 5:41p |

MANCHESTER $\mathrm{Lt}=53: 30 \mathrm{~N} \mathrm{Lg}=2: 15 \mathrm{~W}$ GMT +0
Qiblah Compass=121:48E(2006.91)Qiblah from True North =118:29E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | 6:43a |
| :--- | :--- |
| Jan 2 | $6: 43 a$ |
| Jan 3 | $6: 43 a$ |
| Jan 4 | $6: 43 a$ |
| Jan 5 | $6: 43 a$ |

Jan 6 6:42a
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4:03p
5:40p
$8: 25 \mathrm{a} \quad 12: 18 \mathrm{p} \quad 2: 13 \mathrm{p} \quad 4: 04 \mathrm{p} \quad 5: 41 \mathrm{p}$
8:25a $12: 18 \mathrm{p} \quad 2: 14 \mathrm{p} \quad 4: 05 \mathrm{p} \quad 5: 42 \mathrm{p}$
8:24a $12: 19 p \quad 2: 15 p \quad 4: 06 p \quad 5: 43 p$
8:24a $\quad 12: 19 p \quad 2: 16 p \quad 4: 08 p \quad 5: 44 p$
8:24a $\quad 12: 20 \mathrm{p} \quad 2: 18 \mathrm{p} \quad 4: 09 \mathrm{p} \quad 5: 45 \mathrm{p}$
8:23a $\quad 12: 20 p \quad 2: 19 p \quad 4: 10 p \quad 5: 46 p$
8:23a $\quad 12: 20 p \quad 2: 20 p \quad 4: 12 p \quad 5: 47 p$
8:22a $\quad 12: 21 \mathrm{p} \quad 2: 21 \mathrm{p} \quad 4: 13 \mathrm{p} \quad 5: 48 \mathrm{p}$
8:21a $\quad 12: 21 p \quad 2: 23 p \quad 4: 15 p \quad 5: 50 p$
8:21a $\quad 12: 22 p \quad 2: 24 p \quad 4: 16 p \quad 5: 51 p$
8:20a $12: 22 p$

| Jan 30 | 6:19a | 7:58a | 12:27p | 2:56p | 4:50p | 6:20p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:18a | 7:56a | 12:27p | 2:58p | 4:52p | 6:22p |
| Feb 1 | 6:16a | 7:55a | 12:27p | 2:59p | 4:54p | 6:23p |
| Feb 2 | 6:15a | 7:53a | 12:28p | 3:01p | 4:56p | 6:25p |
| Feb 3 | 6:13a | 7:51a | 12:28p | 3:03p | 4:58p | 6:27p |
| Feb 4 | 6:11a | 7:50a | 12:28p | 3:05p | 5:00p | 6:29p |
| Feb 5 | 6:10a | 7:48a | 12:28p | 3:07p | 5:02p | 6:30p |
| Feb 6 | 6:08a | 7:46a | 12:28p | 3:09p | 5:04p | 6:32p |
| Feb 7 | 6:06a | 7:44a | 12:28p | 3:11p | 5:06p | 6:34p |
| Feb 8 | 6:04a | 7:42a | 12:28p | 3:12p | 5:08p | 6:35p |
| Feb 9 | 6:03a | 7:40a | 12:28p | 3:14p | 5:10p | 6:37p |
| Feb 10 | 6:01a | 7:39a | 12:28p | 3:16p | 5:12p | 6:39p |
| Feb 11 | 5:59a | 7:37a | 12:28p | 3:18p | 5:14p | 6:41p |
| Feb 12 | 5:57a | 7:35a | 12:28p | 3:20p | 5:16p | 6:42p |
| Feb 13 | 5:55a | 7:33a | 12:28p | 3:22p | 5:18p | 6:44p |
| Feb 14 | 5:53a | 7:31a | 12:28p | 3:23p | 5:20p | 6:46p |
| Feb 15 | 5:51a | 7:28a | 12:28p | 3:25p | 5:22p | 6:48p |
| Feb 16 | 5:49a | 7:26a | 12:28p | 3:27p | 5:24p | 6:49p |
| Feb 17 | 5:47a | 7:24a | 12:28p | 3:29p | 5:26p | 6:51p |
| Feb 18 | 5:45a | 7:22a | 12:28p | 3:31p | 5:28p | 6:53p |
| Feb 19 | 5:43a | 7:20a | 12:28p | 3:32p | 5:29p | 6:55p |
| Feb 20 | 5:41a | 7:18a | 12:28p | 3:34p | 5:31p | 6:56p |
| Feb 21 | 5:39a | 7:16a | 12:28p | 3:36p | 5:33p | 6:58p |
| Feb 22 | 5:37a | 7:14a | 12:28p | 3:38p | 5:35p | 7:00p |
| Feb 23 | 5:35a | 7:11a | 12:27p | 3:40p | 5:37p | 7:01p |
| Feb 24 | 5:33a | 7:09a | 12:27p | 3:41p | 5:39p | 7:03p |
| Feb 25 | 5:31a | 7:07a | 12:27p | 3:43p | 5:41p | 7:05p |
| Feb 26 | 5:28a | 7:05a | 12:27p | 3:45p | 5:43p | 7:06p |
| Feb 27 | 5:26a | 7:02a | 12:27p | 3:46p | 5:45p | 7:08p |
| Feb 28 | 5:24a | 7:00a | 12:27p | 3:48p | 5:47p | 7:10p |
| Mar 1 | 5:22a | 6:58a | 12:26p | 3:50p | 5:49p | 7:12p |
| Mar 2 | 5:20a | 6:56a | 12:26p | 3:52p | 5:51p | 7:13p |
| Mar 3 | 5:17a | 6:53a | 12:26p | 3:53p | 5:53p | 7:15p |
| Mar 4 | 5:15a | 6:51a | 12:26p | 3:55p | 5:55p | 7:17p |


| Mar 5 | 5:13a | 6:49a | 12:26p | 3:57p | 5:57p | 7:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:11a | 6:46a | 12:25p | 3:58p | 5:58p | 7:20p |
| Mar 7 | 5:08a | 6:44a | 12:25p | 4:00p | 6:00p | 7:21p |
| Mar 8 | 5:06a | 6:42a | 12:25p | 4:01p | 6:02p | 7:23p |
| Mar 9 | 5:04a | 6:39a | 12:25p | 4:03p | 6:04p | 7:25p |
| Mar 10 | 5:02a | 6:37a | 12:24p | 4:05p | 6:06p | 7:26p |
| Mar 11 | 4:59a | 6:34a | 12:24p | 4:06p | 6:08p | 7:28p |
| Mar 12 | 4:57a | 6:32a | 12:24p | 4:08p | 6:10p | 7:30p |
| Mar 13 | 4:55a | 6:30a | 12:24p | 4:09p | 6:12p | 7:31p |
| Mar 14 | 4:52a | 6:27a | 12:23p | 4:11p | 6:13p | 7:33p |
| Mar 15 | 4:50a | 6:25a | 12:23p | 4:12p | 6:15p | 7:34p |
| Mar 16 | 4:48a | 6:22a | 12:23p | 4:14p | 6:17p | 7:36p |
| Mar 17 | 4:45a | 6:20a | 12:23p | 4:16p | 6:19p | 7:38p |
| Mar 18 | 4:43a | 6:17a | 12:22p | 4:17p | 6:21p | 7:39p |
| Mar 19 | 4:41a | 6:15a | 12:22p | 4:19p | 6:23p | 7:41p |
| Mar 20 | 4:38a | 6:13a | 12:22p | 4:20p | 6:25p | 7:42p |
| Mar 21 | 4:36a | 6:10a | 12:21p | 4:22p | 6:26p | 7:44p |
| Mar 22 | 4:34a | 6:08a | 12:21p | 4:23p | 6:28p | 7:46p |
| Mar 23 | 4:31a | 6:05a | 12:21p | 4:24p | 6:30p | 7:47p |
| Mar 24 | 4:28a | 6:03a | 12:21p | 4:26p | 6:32p | 7:49p |
| Mar 25 | 5:26a | 7:00a | 1:20p | 5:27p | 7:34p | 8:50p |
| Mar 26 | 5:23a | 6:58a | 1:20p | 5:29p | 7:36p | 8:52p |
| Mar 27 | 5:20a | 6:56a | 1:20p | 5:30p | 7:37p | 8:54p |
| Mar 28 | 5:17a | 6:53a | 1:19p | 5:31p | 7:39p | 8:55p |
| Mar 29 | 5:15a | 6:51a | 1:19p | 5:33p | 7:41p | 8:57p |
| Mar 30 | 5:12a | 6:48a | 1:19p | 5:34p | 7:43p | 8:58p |
| Mar 31 | 5:09a | 6:46a | 1:18p | 5:36p | 7:45p | 9:00p |
| Apr 1 | 5:07a | 6:44a | 1:18p | 5:37p | 7:47p | 9:02p |
| Apr 2 | 5:04a | 6:41a | 1:18p | 5:38p | 7:48p | 9:03p |
| Apr 3 | 5:01a | 6:39a | 1:18p | 5:40p | 7:50p | 9:05p |
| Apr 4 | 4:58a | 6:36a | 1:17p | 5:41p | 7:52p | 9:06p |
| Apr 5 | 4:56a | 6:34a | 1:17p | 5:42p | 7:54p | 9:08p |
| Apr 6 | 4:53a | 6:31a | 1:17p | 5:44p | 7:56p | 9:09p |
| Apr 7 | 4:50a | 6:29a | 1:16p | 5:45p | 7:58p | 9:11p |
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| Apr 8 | 4:48a | 6:27a | 1:16p | 5:46p | 7:59p | 9:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:45a | 6:24a | 1:16p | 5:48p | 8:01p | 9:14p |
| Apr 10 | 4:42a | 6:22a | 1:16p | 5:49p | 8:03p | 9:16p |
| Apr 11 | 4:40a | 6:20a | 1:15p | 5:50p | 8:05p | 9:17p |
| Apr 12 | 4:37a | 6:17a | 1:15p | 5:51p | 8:07p | 9:19p |
| Apr 13 | 4:34a | 6:15a | 1:15p | 5:53p | 8:08p | 9:20p |
| Apr 14 | 4:32a | 6:13a | 1:14p | 5:54p | 8:10p | 9:22p |
| Apr 15 | 4:29a | 6:10a | 1:14p | 5:55p | 8:12p | 9:24p |
| Apr 16 | 4:26a | 6:08a | 1:14p | 5:56p | 8:14p | 9:25p |
| Apr 17 | 4:24a | 6:06a | 1:14p | 5:58p | 8:16p | 9:27p |
| Apr 18 | 4:21a | 6:03a | 1:14p | 5:59p | 8:18p | 9:28p |
| Apr 19 | 4:19a | 6:01a | 1:13p | 6:00p | 8:19p | 9:30p |
| Apr 20 | 4:16a | 5:59a | 1:13p | 6:01p | 8:21p | 9:31p |
| Apr 21 | 4:14a | 5:57a | 1:13p | 6:02p | 8:23p | 9:33p |
| Apr 22 | 4:11a | 5:54a | 1:13p | 6:04p | 8:25p | 9:35p |
| Apr 23 | 4:09a | 5:52a | 1:12p | 6:05p | 8:27p | 9:36p |
| Apr 24 | 4:06a | 5:50a | 1:12p | 6:06p | 8:29p | 9:38p |
| Apr 25 | 4:04a | 5:48a | 1:12p | 6:07p | 8:30p | 9:39p |
| Apr 26 | 4:01a | 5:46a | 1:12p | 6:08p | 8:32p | 9:41p |
| Apr 27 | 3:59a | 5:44a | 1:12p | 6:09p | 8:34p | 9:43p |
| Apr 28 | 3:56a | 5:42a | 1:12p | 6:11p | 8:36p | 9:44p |
| Apr 29 | 3:54a | 5:39a | 1:11p | 6:12p | 8:38p | 9:46p |
| Apr 30 | 3:52a | 5:37a | 1:11p | 6:13p | 8:39p | 9:47p |
| May 1 | 3:49a | 5:35a | 1:11p | 6:14p | 8:41p | 9:49p |
| May 2 | 3:47a | 5:33a | 1:11p | 6:15p | 8:43p | 9:50p |
| May 3 | 3:45a | 5:31a | 1:11p | 6:16p | 8:45p | 9:52p |
| May 4 | 3:42a | 5:29a | 1:11p | 6:17p | 8:47p | 9:53p |
| May 5 | 3:40a | 5:27a | 1:11p | 6:18p | 8:48p | 9:55p |
| May 6 | 3:38a | 5:25a | 1:11p | 6:19p | 8:50p | 9:56p |
| May 7 | 3:36a | 5:23a | 1:11p | 6:20p | 8:52p | 9:58p |
| May 8 | 3:33a | 5:22a | 1:11p | 6:21p | 8:54p | 10:00p |
| May 9 | 3:31a | 5:20a | 1:10p | 6:23p | 8:55p | 10:02p |
| May 10 | 3:29a | 5:18a | 1:10p | 6:24p | 8:57p | 10:04p |
| May 11 | 3:27a | 5:16a | 1:10p | 6:25p | 8:59p | 10:06p |
| 286 |  |  |  |  |  |  |


| May 12 | 3:25a | 5:14a | 1:10p | 6:26p | 9:00p | 10:08p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:13a | 1:10p | 6:27p | 9:02p | 10:10p |
| May 14 | 3:21a | 5:11a | 1:10p | 6:28p | 9:04p | 10:12p |
| May 15 | 3:19a | 5:09a | 1:10p | 6:29p | 9:05p | 10:14p |
| May 16 | 3:17a | 5:08a | 1:10p | 6:30p | 9:07p | 10:16p |
| May 17 | 3:15a | 5:06a | 1:10p | 6:30p | 9:09p | 10:18p |
| May 18 | 3:13a | 5:04a | 1:10p | 6:31p | 9:10p | 10:20p |
| May 19 | 3:11a | 5:03a | 1:10p | 6:32p | 9:12p | 10:22p |
| May 20 | 3:10a | 5:02a | 1:10p | 6:33p | 9:13p | 10:24p |
| May 21 | 3:08a | 5:00a | 1:11p | 6:34p | 9:15p | 10:26p |
| May 22 | 3:06a | 4:59a | 1:11p | 6:35p | 9:17p | 10:27p |
| May 23 | 3:05a | 4:57a | 1:11p | 6:36p | 9:18p | 10:29p |
| May 24 | 3:03a | 4:56a | 1:11p | 6:37p | 9:19p | 10:31p |
| May 25 | 3:01a | 4:55a | 1:11p | 6:38p | 9:21p | 10:33p |
| May 26 | 3:00a | 4:54a | 1:11p | 6:38p | 9:22p | 10:35p |
| May 27 | 2:58a | 4:52a | 1:11p | 6:39p | 9:24p | 10:36p |
| May 28 | 2:57a | 4:51a | 1:11p | 6:40p | 9:25p | 10:38p |
| May 29 | 2:56a | 4:50a | 1:11p | 6:41p | 9:26p | 10:40p |
| May 30 | 2:54a | 4:49a | 1:11p | 6:42p | 9:28p | 10:41p |
| May 31 | 2:53a | 4:48a | 1:12p | 6:42p | 9:29p | 10:43p |
| Jun 1 | 2:52a | 4:47a | 1:12p | 6:43p | 9:30p | 10:44p |
| Jun 2 | 2:51a | 4:46a | 1:12p | 6:44p | 9:31p | 10:46p |
| Jun 3 | 2:49a | 4:45a | 1:12p | 6:45p | 9:32p | 10:47p |
| Jun 4 | 2:48a | 4:45a | 1:12p | 6:45p | 9:34p | 10:49p |
| Jun 5 | 2:47a | 4:44a | 1:12p | 6:46p | 9:35p | 10:50p |
| Jun 6 | 2:46a | 4:43a | 1:13p | 6:46p | 9:36p | 10:51p |
| Jun 7 | 2:45a | 4:43a | 1:13p | 6:47p | 9:37p | 10:53p |
| Jun 8 | 2:44a | 4:42a | 1:13p | 6:48p | 9:38p | 10:54p |
| Jun 9 | 2:44a | 4:41a | 1:13p | 6:48p | 9:38p | 10:55p |
| Jun 10 | 2:43a | 4:41a | 1:13p | 6:49p | 9:39p | 10:56p |
| Jun 11 | 2:42a | 4:41a | 1:13p | 6:49p | 9:40p | 10:57p |
| Jun 12 | 2:42a | 4:40a | 1:14p | 6:50p | 9:41p | 10:58p |
| Jun 13 | 2:41a | 4:40a | 1:14p | 6:50p | 9:41p | 10:59p |
| Jun 14 | 2:40a | 4:40a | 1:14p | 6:51p | 9:42p | 11:00p |


| Jun 15 | 2:40a | 4:40a | 1:14p | 6:51p | 9:43p | 11:01p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:39a | 4:39a | 1:15p | 6:51p | 9:43p | 11:02p |
| Jun 17 | 2:39a | 4:39a | 1:15p | 6:52p | 9:44p | 11:03p |
| Jun 18 | 2:39a | 4:39a | 1:15p | 6:52p | 9:44p | 11:04p |
| Jun 19 | 2:38a | 4:39a | 1:15p | 6:52p | 9:44p | 11:04p |
| Jun 20 | 2:38a | 4:39a | 1:15p | 6:53p | 9:45p | 11:05p |
| Jun 21 | 2:38a | 4:40a | 1:16p | 6:53p | 9:45p | 11:06p |
| Jun 22 | 2:38a | 4:40a | 1:16p | 6:53p | 9:45p | 11:06p |
| Jun 23 | 2:39a | 4:40a | 1:16p | 6:53p | 9:45p | 11:06p |
| Jun 24 | 2:39a | 4:40a | 1:16p | 6:54p | 9:45p | 11:06p |
| Jun 25 | 2:40a | 4:41a | 1:16p | 6:54p | 9:45p | 11:05p |
| Jun 26 | 2:41a | 4:41a | 1:17p | 6:54p | 9:45p | 11:05p |
| Jun 27 | 2:41a | 4:42a | 1:17p | 6:54p | 9:45p | 11:04p |
| Jun 28 | 2:42a | 4:42a | 1:17p | 6:54p | 9:45p | 11:04p |
| Jun 29 | 2:43a | 4:43a | 1:17p | 6:54p | 9:45p | 11:03p |
| Jun 30 | 2:44a | 4:43a | 1:17p | 6:54p | 9:44p | 11:03p |
| Jul 1 | 2:45a | 4:44a | 1:18p | 6:54p | 9:44p | 11:02p |
| Jul 2 | 2:46a | 4:45a | 1:18p | 6:54p | 9:44p | 11:01p |
| Jul 3 | 2:47a | 4:46a | 1:18p | 6:54p | 9:43p | 11:01p |
| Jul 4 | 2:48a | 4:47a | 1:18p | 6:54p | 9:43p | 11:00p |
| Jul 5 | 2:50a | 4:47a | 1:18p | 6:53p | 9:42p | 10:59p |
| Jul 6 | 2:51a | 4:48a | 1:19p | 6:53p | 9:42p | 10:58p |
| Jul 7 | 2:52a | 4:49a | 1:19p | 6:53p | 9:41p | 10:57p |
| Jul 8 | 2:53a | 4:50a | 1:19p | 6:53p | 9:40p | 10:56p |
| Jul 9 | 2:55a | 4:51a | 1:19p | 6:52p | 9:39p | 10:55p |
| Jul 10 | 2:56a | 4:52a | 1:19p | 6:52p | 9:39p | 10:54p |
| Jul 11 | 2:58a | 4:54a | 1:19p | 6:52p | 9:38p | 10:52p |
| Jul 12 | 2:59a | 4:55a | 1:20p | 6:51p | 9:37p | 10:51p |
| Jul 13 | 3:01a | 4:56a | 1:20p | 6:51p | 9:36p | 10:50p |
| Jul 14 | 3:02a | 4:57a | 1:20p | 6:50p | 9:35p | 10:49p |
| Jul 15 | 3:04a | 4:58a | 1:20p | 6:50p | 9:34p | 10:47p |
| Jul 16 | 3:05a | 5:00a | 1:20p | 6:49p | 9:33p | 10:46p |
| Jul 17 | 3:07a | 5:01a | 1:20p | 6:49p | 9:31p | 10:44p |
| Jul 18 | 3:08a | 5:02a | 1:20p | 6:48p | 9:30p | 10:43p |
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| Jul 19 | 3:10a | 5:04a | 1:20p | 6:48p | 9:29p | 10:41p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:12a | 5:05a | 1:20p | 6:47p | 9:28p | 10:39p |
| Jul 21 | 3:14a | 5:07a | 1:20p | 6:46p | 9:26p | 10:38p |
| Jul 22 | 3:15a | 5:08a | 1:20p | 6:45p | 9:25p | 10:36p |
| Jul 23 | 3:17a | 5:10a | 1:20p | 6:45p | 9:23p | 10:34p |
| Jul 24 | 3:19a | 5:11a | 1:20p | 6:44p | 9:22p | 10:32p |
| Jul 25 | 3:21a | 5:13a | 1:21p | 6:43p | 9:20p | 10:31p |
| Jul 26 | 3:23a | 5:14a | 1:21p | 6:42p | 9:19p | 10:29p |
| Jul 27 | 3:25a | 5:16a | 1:21p | 6:41p | 9:17p | 10:27p |
| Jul 28 | 3:26a | 5:17a | 1:21p | 6:40p | 9:16p | 10:25p |
| Jul 29 | 3:28a | 5:19a | 1:20p | 6:39p | 9:14p | 10:23p |
| Jul 30 | 3:30a | 5:20a | 1:20p | 6:38p | 9:12p | 10:21p |
| Jul 31 | 3:32a | 5:22a | 1:20p | 6:37p | 9:11p | 10:19p |
| Aug 1 | 3:34a | 5:24a | 1:20p | 6:36p | 9:09p | 10:17p |
| Aug 2 | 3:36a | 5:25a | 1:20p | 6:35p | 9:07p | 10:15p |
| Aug 3 | 3:38a | 5:27a | 1:20p | 6:34p | 9:05p | 10:13p |
| Aug 4 | 3:40a | 5:29a | 1:20p | 6:33p | 9:03p | 10:10p |
| Aug 5 | 3:42a | 5:30a | 1:20p | 6:32p | 9:01p | 10:08p |
| Aug 6 | 3:44a | 5:32a | 1:20p | 6:31p | 9:00p | 10:06p |
| Aug 7 | 3:46a | 5:34a | 1:20p | 6:30p | 8:58p | 10:04p |
| Aug 8 | 3:48a | 5:36a | 1:20p | 6:28p | 8:56p | 10:02p |
| Aug 9 | 3:50a | 5:37a | 1:20p | 6:27p | 8:54p | 10:00p |
| Aug 10 | 3:52a | 5:39a | 1:19p | 6:26p | 8:52p | 9:58p |
| Aug 11 | 3:54a | 5:41a | 1:19p | 6:24p | 8:50p | 9:57p |
| Aug 12 | 3:56a | 5:42a | 1:19p | 6:23p | 8:48p | 9:55p |
| Aug 13 | 3:58a | 5:44a | 1:19p | 6:22p | 8:46p | 9:53p |
| Aug 14 | 4:00a | 5:46a | 1:19p | 6:20p | 8:43p | 9:51p |
| Aug 15 | 4:02a | 5:48a | 1:19p | 6:19p | 8:41p | 9:49p |
| Aug 16 | 4:04a | 5:49a | 1:18p | 6:17p | 8:39p | 9:47p |
| Aug 17 | 4:06a | 5:51a | 1:18p | 6:16p | 8:37p | 9:46p |
| Aug 18 | 4:08a | 5:53a | 1:18p | 6:14p | 8:35p | 9:44p |
| Aug 19 | 4:10a | 5:55a | 1:18p | 6:13p | 8:33p | 9:42p |
| Aug 20 | 4:12a | 5:56a | 1:18p | 6:11p | 8:30p | 9:40p |
| Aug 21 | 4:14a | 5:58a | 1:17p | 6:10p | 8:28p | 9:38p |
|  |  |  | 289 |  |  |  |


| Aug 22 | 4:16a | 6:00a | 1:17p | 6:08p | 8:26p | 9:36p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:19a | 6:02a | 1:17p | 6:06p | 8:24p | 9:34p |
| Aug 24 | 4:21a | 6:03a | 1:17p | 6:05p | 8:21p | 9:32p |
| Aug 25 | 4:23a | 6:05a | 1:16p | 6:03p | 8:19p | 9:30p |
| Aug 26 | 4:25a | 6:07a | 1:16p | 6:01p | 8:17p | 9:28p |
| Aug 27 | 4:27a | 6:08a | 1:16p | 6:00p | 8:14p | 9:25p |
| Aug 28 | 4:29a | 6:10a | 1:15p | 5:58p | 8:12p | 9:23p |
| Aug 29 | 4:31a | 6:12a | 1:15p | 5:56p | 8:10p | 9:21p |
| Aug 30 | 4:33a | 6:14a | 1:15p | 5:54p | 8:07p | 9:19p |
| Aug 31 | 4:35a | 6:15a | 1:15p | 5:53p | 8:05p | 9.17p |
| Sep 1 | 4:37a | 6:17a | 1:14p | 5:51p | 8:03p | 9:15p |
| Sep 2 | 4:39a | 6:19a | 1:14p | 5:49p | 8:00p | 9:13p |
| Sep 3 | 4:41a | 6:21a | 1:14p | 5:47p | 7:58p | 9:11p |
| Sep 4 | 4:43a | 6:22a | 1:13p | 5:45p | 7:56p | 9:09p |
| Sep 5 | 4:45a | 6:24a | 1:13p | 5:44p | 7:53p | 9:06p |
| Sep 6 | 4:47a | 6:26a | 1:13p | 5:42p | 7:51p | 9:04p |
| Sep 7 | 4:49a | 6:28a | 1:12p | 5:40p | 7:48p | 9:02p |
| Sep 8 | 4:51a | 6:29a | 1:12p | 5:38p | 7:46p | 9:00p |
| Sep 9 | 4:53a | 6:31a | 1:12p | 5:36p | 7:44p | 8:58p |
| Sep 10 | 4:55a | 6:33a | 1:11p | 5:34p | 7:41p | 8:56p |
| Sep 11 | 4:57a | 6:35a | 1:11p | 5:32p | 7:39p | 8:53p |
| Sep 12 | 4:59a | 6:36a | 1:11p | 5:30p | 7:36p | 8:51p |
| Sep 13 | 5:02a | 6:38a | 1:10p | 5:28p | 7:34p | 8:49p |
| Sep 14 | 5:04a | 6:40a | 1:10p | 5:26p | 7:31p | 8:47p |
| Sep 15 | 5:06a | 6:42a | 1:10p | 5:24p | 7:29p | 8:45p |
| Sep 16 | 5:08a | 6:43a | 1:09p | 5:22p | 7:26p | 8:42p |
| Sep 17 | 5:10a | 6:45a | 1:09p | 5:20p | 7:24p | 8:40p |
| Sep 18 | 5:12a | 6:47a | 1:08p | 5:18p | 7:22p | 8:38p |
| Sep 19 | 5:14a | 6:49a | 1:08p | 5:16p | 7:19p | 8:36p |
| Sep 20 | 5:16a | 6:50a | 1:08p | 5:14p | 7:17p | 8:34p |
| Sep 21 | 5:18a | 6:52a | 1:07p | 5:12p | 7:14p | 8:31p |
| Sep 22 | 5:20a | 6:54a | 1:07p | 5:10p | 7:12p | 8:29p |
| Sep 23 | 5:22a | 6:56a | 1:07p | 5:08p | 7:09p | 8:27p |
| Sep 24 | 5:23a | 6:57a | 1:06p | 5:05p | 7:07p | 8:25p |
| 290 |  |  |  |  |  |  |


| Sep 25 | 5:25a | 6:59a | 1:06p | 5:03p | 7:04p | 8:23p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:27a | 7:01a | 1:06p | 5:01p | 7:02p | 8:20p |
| Sep 27 | 5:28a | 7:03a | 1:05p | 4:59p | 7:00p | 8:18p |
| Sep 28 | 5:30a | 7:04a | 1:05p | 4:57p | 6:57p | 8:16p |
| Sep 29 | 5:32a | 7:06a | 1:05p | 4:55p | 6:55p | 8:14p |
| Sep 30 | 5:33a | 7:08a | 1:04p | 4:53p | 6:52p | 8:12p |
| Oct 1 | 5:35a | 7:10a | 1:04p | 4:51p | 6:50p | 8:09p |
| Oct 2 | 5:37a | 7:12a | 1:04p | 4:49p | 6:47p | 8:07p |
| Oct 3 | 5:38a | 7:13a | 1:03p | 4:46p | 6:45p | 8:05p |
| Oct 4 | 5:40a | 7:15a | 1:03p | 4:44p | 6:43p | 8:03p |
| Oct 5 | 5:42a | 7:17a | 1:03p | 4:42p | 6:40p | 8:01p |
| Oct 6 | 5:43a | 7:19a | 1:02p | 4:40p | 6:38p | 7:59p |
| Oct 7 | 5:45a | 7:21a | 1:02p | 4:38p | 6:35p | 7:56p |
| Oct 8 | 5:47a | 7:22a | 1:02p | 4:36p | 6:33p | 7:54p |
| Oct 9 | 5:49a | 7:24a | 1:02p | 4:34p | 6:31p | 7:52p |
| Oct 10 | 5:50a | 7:26a | 1:01p | 4:32p | 6:28p | 7:50p |
| Oct 11 | 5:52a | 7:28a | 1:01p | 4:29p | 6:26p | 7:48p |
| Oct 12 | 5:54a | 7:30a | 1:01p | 4:27p | 6:24p | 7:46p |
| Oct 13 | 5:56a | 7:31a | 1:00p | 4:25p | 6:21p | 7:44p |
| Oct 14 | 5:57a | 7:33a | 1:00p | 4:23p | 6:19p | 7:42p |
| Oct 15 | 5:59a | 7:35a | 1:00p | 4:21p | 6:17p | 7:40p |
| Oct 16 | 6:01a | 7:37a | 1:00p | 4:19p | 6:14p | 7:38p |
| Oct 17 | 6:03a | 7:39a | 1:00p | 4:17p | 6:12p | 7:36p |
| Oct 18 | 6:04a | 7:41a | 12:59p | 4:15p | 6:10p | 7:34p |
| Oct 19 | 6:06a | 7:43a | 12:59p | 4:13p | 6:08p | 7:32p |
| Oct 20 | 6:08a | 7:45a | 12:59p | 4:11p | 6:05p | 7:30p |
| Oct 21 | 6:10a | 7:46a | 12:59p | 4:09p | 6:03p | 7:28p |
| Oct 22 | 6:11a | 7:48a | 12:59p | 4:07p | 6:01p | 7:26p |
| Oct 23 | 6:13a | 7:50a | 12:58p | 4:05p | 5:59p | 7:24p |
| Oct 24 | 6:15a | 7:52a | 12:58p | 4:03p | 5:57p | 7:22p |
| Oct 25 | 6:17a | 7:54a | 12:58p | 4:01p | 5:55p | 7:20p |
| Oct 26 | 6:19a | 7:56a | 12:58p | 3:59p | 5:52p | 7:18p |
| Oct 27 | 6:20a | 7:58a | 12:58p | 3:57p | 5:50p | 7:16p |
| Oct 28 | 5:22a | 7:00a | 11:58a | 2:55p | $4: 48 \mathrm{p}$ | 6:15p |


| Oct 29 | 5:24a | 7:02a | 11:58a | 2:53p | 4:46p | 6:13p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:26a | 7:03a | 11:58a | 2:51p | 4:44p | 6:11p |
| Oct 31 | 5:28a | 7:05a | 11:58a | 2:49p | 4:42p | 6:09p |
| Nov 1 | 5:29a | 7:07a | 11:58a | 2:47p | 4:40p | 6:07p |
| Nov 2 | 5:31a | 7:09a | 11:58a | 2:45p | 4:38p | 6:06p |
| Nov 3 | 5:33a | 7:11a | 11:58a | 2:44p | 4:36p | 6:04p |
| Nov 4 | 5:35a | 7:13a | 11:58a | 2:42p | 4:34p | 6:02p |
| Nov 5 | 5:37a | 7:15a | 11:58a | 2:40p | 4:33p | 6:01p |
| Nov 6 | 5:38a | 7:17a | 11:58a | 2:38p | 4:31p | 5:59p |
| Nov 7 | 5:40a | 7:19a | 11:58a | 2:37p | 4:29p | 5:58p |
| Nov 8 | 5:42a | 7:21a | 11:58a | 2:35p | 4:27p | 5:56p |
| Nov 9 | 5:44a | 7:23a | 11:58a | 2:33p | 4:25p | 5:55p |
| Nov 10 | 5:46a | 7:24a | 11:58a | 2:32p | 4:24p | 5:53p |
| Nov 11 | 5:48a | 7:26a | 11:58a | 2:30p | 4:22p | 5:52p |
| Nov 12 | 5:49a | 7:28a | 11:58a | 2:28p | 4:20p | 5:50p |
| Nov 13 | 5:51a | 7:30a | 11:58a | 2:27p | 4:19p | 5:49p |
| Nov 14 | 5:53a | 7:32a | 11:58a | 2:25p | 4:17p | 5:48p |
| Nov 15 | 5:55a | 7:34a | 11:58a | 2:24p | 4:16p | 5:46p |
| Nov 16 | 5:56a | 7:36a | 11:59a | 2:23p | 4:14p | 5:45p |
| Nov 17 | 5:58a | 7:38a | 11:59a | 2:21p | 4:13p | 5:44p |
| Nov 18 | 6:00a | 7:39a | 11:59a | 2:20p | 4:11p | 5:43p |
| Nov 19 | 6:02a | 7:41a | 11:59a | 2:19p | 4:10p | 5:42p |
| Nov 20 | 6:03a | 7:43a | 11:59a | 2:17p | 4:09p | 5:41p |
| Nov 21 | 6:05a | 7:45a | 12:00n | 2:16p | 4:07p | 5:40p |
| Nov 22 | 6:07a | 7:47a | 12:00n | 2:15p | 4:06p | 5:39p |
| Nov 23 | 6:08a | 7:48a | 12:00n | 2:14p | 4:05p | 5:38p |
| Nov 24 | 6:10a | 7:50a | 12:00n | 2:13p | 4:04p | 5:37p |
| Nov 25 | 6:12a | 7:52a | 12:01p | 2:12p | 4:03p | 5:36p |
| Nov 26 | 6:13a | 7:53a | 12:01p | 2:11p | 4:02p | 5:35p |
| Nov 27 | 6:15a | 7:55a | 12:01p | 2:10p | 4:01p | 5:34p |
| Nov 28 | 6:16a | 7:57a | 12:02p | 2:09p | 4:00p | 5:34p |
| Nov 29 | 6:18a | 7:58a | 12:02p | 2:08p | 3:59p | 5:33p |
| Nov 30 | 6:19a | 8:00a | 12:02p | 2:07p | 3:58p | 5:32p |
| Dec 1 | 6:20a | 8:01a | 12:03p | 2:07p | 3:57p | 5:32p |


| Dec 2 | 6:22a | 8:03a | 12:03p | 2:06p | 3:56p | 5:31p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:23a | 8:04a | 12:03p | 2:05p | 3:56p | 5:31p |
| Dec 4 | 6:25a | 8:06a | 12:04p | 2:05p | 3:55p | 5:31p |
| Dec 5 | 6:26a | 8:07a | 12:04p | 2:04p | 3:55p | 5:30p |
| Dec 6 | 6:27a | 8:08a | 12:05p | 2:04p | 3:54p | 5:30p |
| Dec 7 | 6:28a | 8:10a | 12:05p | 2:03p | 3:54p | 5:30p |
| Dec 8 | 6:29a | 8:11a | 12:06p | 2:03p | 3:53p | 5:30p |
| Dec 9 | 6:31a | 8:12a | 12:06p | 2:03p | 3:53p | 5:30p |
| Dec 10 | 6:32a | 8:13a | 12:06p | 2:02p | 3:53p | 5:30p |
| Dec 11 | 6:33a | 8:14a | 12:07p | 2:02p | 3:53p | 5:30p |
| Dec 12 | 6:34a | 8:16a | 12:07p | 2:02p | 3:52p | 5:30p |
| Dec 13 | 6:35a | 8:17a | 12:08p | 2:02p | 3:52p | 5:30p |
| Dec 14 | 6:35a | 8:17a | 12:08p | 2:02p | 3:52p | 5:30p |
| Dec 15 | 6:36a | 8:18a | 12:09p | 2:02p | 3:52p | 5:31p |
| Dec 16 | 6:37a | 8:19a | 12:09p | 2:02p | 3:53p | 5:31p |
| Dec 17 | 6:38a | 8:20a | 12:10p | 2:02p | 3:53p | 5:31p |
| Dec 18 | 6:38a | 8:21a | 12:10p | 2:03p | 3:53p | 5:31p |
| Dec 19 | 6:39a | 8:22a | 12:11p | 2:03p | 3:53p | 5:32p |
| Dec 20 | 6:40a | 8:22a | 12:11p | 2:03p | 3:54p | 5:32p |
| Dec 21 | 6:40a | 8:23a | 12:12p | 2:04p | 3:54p | 5:32p |
| Dec 22 | 6:41a | 8:23a | 12:12p | 2:04p | 3:55p | 5:33p |
| Dec 23 | 6:41a | 8:24a | 12:13p | 2:05p | 3:55p | 5:34p |
| Dec 24 | 6:42a | 8:24a | 12:13p | 2:05p | 3:56p | 5:34p |
| Dec 25 | 6:42a | 8:24a | 12:14p | 2:06p | 3:56p | 5:35p |
| Dec 26 | 6:42a | 8:25a | 12:14p | 2:07p | 3:57p | 5:36p |
| Dec 27 | 6:43a | 8:25a | 12:15p | 2:07p | 3:58p | 5:36p |
| Dec 28 | 6:43a | 8:25a | 12:15p | 2:08p | 3:59p | 5:37p |
| Dec 29 | 6:43a | 8:25a | 12:16p | 2:09p | 4:00p | 5:38p |
| Dec 30 | 6:43a | 8:25a | 12:16p | 2:10p | 4:01p | 5:39p |
| Dec 31 | 6:43a | 8:25a | 12:17p | 2:11p | 4:02p | 5:40p |

## NEWCASTLE UPON TYNE Lt=54:59N Lg= 1:35W GMT+ 0

 Qiblah Compass=123:48E(2006.92)Qiblah from True North =120:29E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha| Jan 1 | $6: 49 a$ |
| :--- | :--- |
| Jan 2 | $6: 48 a$ |
| Jan 3 | $6: 48 a$ |
| Jan 4 | $6: 48 a$ |
| Jan 5 | $6: 48 a$ |

8:31a 12:15p 2:00p 3:52p 5:29p
8:31a $\quad 12: 15 \mathrm{p} \quad 2: 01 \mathrm{p} \quad 3: 53 \mathrm{p} \quad 5: 30 \mathrm{p}$
8:31a $\quad 12: 15 p \quad 2: 02 p \quad 3: 54 p \quad 5: 31 p$
8:30a $\quad 12: 16 p \quad 2: 03 p \quad 3: 55 p \quad 5: 32 p$

| Jan 6 | $6: 47 \mathrm{a}$ | $8: 29 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 06 \mathrm{p}$ | $3: 58 \mathrm{p}$ | $5: 35 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 7 | $6: 47 \mathrm{a}$ | $8: 29 \mathrm{a}$ | $12: 17 \mathrm{p}$ | $2: 07 \mathrm{p}$ | $3: 59 \mathrm{p}$ | $5: 36 \mathrm{p}$ |
| Jan 8 | $6: 46 \mathrm{a}$ | $8: 28 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 09 \mathrm{p}$ | $4: 01 \mathrm{p}$ | $5: 37 \mathrm{p}$ |
| Jan 9 | $6: 46 \mathrm{a}$ | $8: 28 \mathrm{a}$ | $12: 18 \mathrm{p}$ | $2: 10 \mathrm{p}$ | $4: 02 \mathrm{p}$ | $5: 38 \mathrm{p}$ |
| Jan 10 | $6: 45 \mathrm{a}$ | $8: 27 \mathrm{a}$ | $12: 19 \mathrm{p}$ | $2: 11 \mathrm{p}$ | $4: 04 \mathrm{p}$ | $5: 40 \mathrm{p}$ |
| Jan 11 | $6: 45 \mathrm{a}$ | $8: 26 \mathrm{a}$ | $12: 19 \mathrm{p}$ | $2: 13 \mathrm{p}$ | $4: 06 \mathrm{p}$ | $5: 41 \mathrm{p}$ |
| Jan 12 | $6: 44 \mathrm{a}$ | $8: 25 \mathrm{a}$ | $12: 19 \mathrm{p}$ | $2: 14 \mathrm{p}$ | $4: 07 \mathrm{p}$ | $5: 42 \mathrm{p}$ |
| Jan 13 | $6: 43 \mathrm{a}$ | $8: 24 \mathrm{a}$ | $12: 20 \mathrm{p}$ | $2: 16 \mathrm{p}$ | $4: 09 \mathrm{p}$ | $5: 44 \mathrm{p}$ |

Jan 14 6:42a
Jan 15 6:41a
Jan 16 6:40a
Jan 17 6:39a

| Jan 18 | 6:38a | 8:19a | 12:22p | 2:24p | 4:18p | 5:51p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 19 | 6:37a | 8:18a | 12:22p | 2:26p | 4:20p | 5:53p |
| Jan 20 | 6:36a | 8:16a | 12:22p | 2:28p | 4:22p | 5:55p |
| Jan 21 | 6:35a | 8:15a | 12:22p | 2:29p | 4:23p | 5:56p |
| Jan 22 | 6:33a | 8:14a | 12:23p | 2:31p | 4:25p | 5:58p |
| Jan 23 | 6:32a | 8:12a | 12:23p | 2:33p | 4:27p | 6:00p |
| Jan 24 | 6:31a | 8:11a | 12:23p | 2:35p | 4:29p | 6:01p |
| Jan 25 | 6:29a | 8:09a | 12:23p | 2:37p | 4:31p | 6:03p |
| Jan 26 | 6:28a | 8:08a | 12:24p | 2:38p | 4:33p | 6:05p |
| Jan 27 | 6:26a | 8:06a | 12:24p | 2:40p | 4:35p | 6:07p |
| Jan 28 | 6:25a | 8:05a | 12:24p | 2:42p | 4:37p | 6:08p |
| Jan 29 | 6:23a | 8:03a | 12:24p | 2:44p | 4:39p | 6:10p |


| Jan 30 | 6:22a | 8:01a | 12:24p | 2:46p | 4:42p | 6:12p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:20a | 8:00a | 12:25p | 2:48p | $4: 44 \mathrm{p}$ | 6:14p |
| Feb 1 | 6:18a | 7:58a | 12:25p | 2:50p | 4:46p | 6:16p |
| Feb 2 | 6:17a | 7:56a | 12:25p | 2:52p | 4:48p | 6:17p |
| Feb 3 | 6:15a | 7:54a | 12:25p | 2:54p | 4:50p | 6:19p |
| Feb 4 | 6:13a | 7:52a | 12:25p | 2:56p | 4:52p | 6:21p |
| Feb 5 | 6:11a | 7:50a | 12:25p | 2:58p | 4:54p | 6:23p |
| Feb 6 | 6:10a | 7:48a | 12:25p | 3:00p | 4:56p | 6:25p |
| Feb 7 | 6:08a | 7:46a | 12:25p | 3:02p | 4:58p | 6:27p |
| Feb 8 | 6:06a | 7:44a | 12:25p | 3:03p | 5:00p | 6:28p |
| Feb 9 | 6:04a | 7:42a | 12:26p | 3:05p | 5:02p | 6:30p |
| Feb 10 | 6:02a | 7:40a | 12:26p | 3:07p | 5:05p | 6:32p |
| Feb 11 | 6:00a | 7:38a | 12:26p | 3:09p | 5:07p | 6:34p |
| Feb 12 | 5:58a | 7:36a | 12:26p | $3: 11 \mathrm{p}$ | 5:09p | 6:36p |
| Feb 13 | 5:56a | 7:34a | 12:26p | 3:13p | 5:11p | 6:38p |
| Feb 14 | 5:54a | 7:32a | 12:26p | $3: 15 \mathrm{p}$ | 5:13p | 6:40p |
| Feb 15 | 5:52a | 7:30a | 12:25p | $3: 17 \mathrm{p}$ | 5:15p | 6:41p |
| Feb 16 | 5:50a | 7:28a | 12:25p | 3:19p | 5:17p | 6:43p |
| Feb 17 | 5:48a | 7:25a | 12:25p | 3:21p | 5:19p | 6:45p |
| Feb 18 | 5:45a | 7:23a | 12:25p | 3:23p | 5:21p | 6:47p |
| Feb 19 | 5:43a | 7:21a | 12:25p | $3: 25 p$ | 5:23p | 6:49p |
| Feb 20 | 5:41a | 7:18a | 12:25p | 3:27p | 5:26p | 6:51p |
| Feb 21 | 5:39a | 7:16a | 12:25p | 3:28p | 5:28p | 6:52p |
| Feb 22 | 5:37a | 7:14a | 12:25p | 3:30p | 5:30p | 6:54p |
| Feb 23 | 5:34a | 7:12a | 12:25p | 3:32p | 5:32p | 6:56p |
| Feb 24 | 5:32a | 7:09a | 12:25p | 3:34p | 5:34p | 6:58p |
| Feb 25 | 5:30a | 7:07a | 12:25p | 3:36p | 5:36p | 7:00p |
| Feb 26 | 5:28a | 7:04a | 12:24p | 3:38p | 5:38p | 7:02p |
| Feb 27 | 5:25a | 7:02a | 12:24p | 3:40p | 5:40p | 7:03p |
| Feb 28 | 5:23a | 7:00a | 12:24p | $3: 41 \mathrm{p}$ | 5:42p | 7:05p |
| Mar 1 | 5:21a | 6:57a | 12:24p | $3: 43 \mathrm{p}$ | 5:44p | 7:07p |
| Mar 2 | 5:18a | 6:55a | 12:24p | $3: 45 \mathrm{p}$ | 5:46p | 7:09p |
| Mar 3 | 5:16a | 6:52a | 12:23p | 3:47p | 5:48p | 7:11p |
| Mar 4 | 5:14a | 6:50a | 12:23p | 3:49p | 5:50p | 7:12p |


| Mar 5 | 5:11a | 6:48a | 12:23p | 3:50p | 5:52p | 7:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:09a | 6:45a | 12:23p | 3:52p | 5:54p | 7:16p |
| Mar 7 | 5:07a | 6:43a | 12:23p | 3:54p | 5:56p | 7:18p |
| Mar 8 | 5:04a | 6:40a | 12:22p | 3:56p | 5:58p | 7:19p |
| Mar 9 | 5:02a | 6:38a | 12:22p | 3:57p | 6:00p | 7:21p |
| Mar 10 | 4:59a | 6:35a | 12:22p | 3:59p | 6:02p | 7:23p |
| Mar 11 | 4:57a | 6:33a | 12:22p | 4:01p | 6:04p | 7:25p |
| Mar 12 | 4:55a | 6:30a | 12:21p | 4:02p | 6:06p | 7:26p |
| Mar 13 | 4:52a | 6:28a | 12:21p | 4:04p | 6:08p | 7:28p |
| Mar 14 | 4:50a | 6:25a | 12:21p | 4:06p | 6:10p | 7:30p |
| Mar 15 | 4:47a | 6:23a | 12:20p | 4:07p | 6:12p | 7:31p |
| Mar 16 | 4:45a | 6:20a | 12:20p | 4:09p | 6:14p | 7:33p |
| Mar 17 | 4:43a | 6:17a | 12:20p | 4:11p | 6:16p | 7:35p |
| Mar 18 | 4:40a | 6:15a | 12:20p | 4:12p | 6:18p | 7:37p |
| Mar 19 | 4:38a | 6:12a | 12:19p | 4:14p | 6:20p | 7:38p |
| Mar 20 | 4:35a | 6:10a | 12:19p | 4:15p | 6:22p | 7:40p |
| Mar 21 | 4:33a | 6:07a | 12:19p | 4:17p | 6:24p | 7:42p |
| Mar 22 | 4:30a | 6:05a | 12:18p | 4:18p | 6:26p | 7:43p |
| Mar 23 | 4:27a | 6:02a | 12:18p | 4:20p | 6:28p | 7:45p |
| Mar 24 | 4:25a | 6:00a | 12:18p | 4:22p | 6:30p | 7:47p |
| Mar 25 | 5:22a | 6:57a | 1:18p | 5:23p | 7:32p | 8:49p |
| Mar 26 | 5:19a | 6:55a | 1:17p | 5:25p | 7:34p | 8:50p |
| Mar 27 | 5:16a | 6:52a | 1:17p | 5:26p | 7:36p | 8:52p |
| Mar 28 | 5:13a | 6:49a | 1:17p | 5:28p | 7:38p | 8:54p |
| Mar 29 | 5:10a | 6:47a | 1:16p | 5:29p | 7:40p | 8:55p |
| Mar 30 | 5:07a | 6:44a | 1:16p | 5:30p | 7:42p | 8:57p |
| Mar 31 | 5:05a | 6:42a | 1:16p | 5:32p | 7:44p | 8:59p |
| Apr 1 | 5:02a | 6:39a | 1:15p | 5:33p | 7:46p | 9:01p |
| Apr 2 | 4:59a | 6:37a | 1:15p | 5:35p | 7:48p | 9:02p |
| Apr 3 | 4:56a | 6:34a | 1:15p | 5:36p | 7:49p | 9:04p |
| Apr 4 | 4:53a | 6:32a | 1:15p | 5:38p | 7:51p | 9:06p |
| Apr 5 | 4:50a | 6:29a | 1:14p | 5:39p | 7:53p | 9:07p |
| Apr 6 | 4:48a | 6:27a | 1:14p | 5:41p | 7:55p | 9:09p |
| Apr 7 | 4:45a | 6:24a | 1:14p | 5:42p | 7:57p | 9:11p |
| 296 |  |  |  |  |  |  |


| Apr 8 | 4:42a | 6:22a | 1:13p | 5:43p | 7:59p | 9:12p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:39a | 6:19a | 1:13p | 5:45p | 8:01p | $9: 14 \mathrm{p}$ |
| Apr 10 | 4:36a | 6:17a | 1:13p | 5:46p | 8:03p | 9:16p |
| Apr 11 | 4:33a | 6:14a | 1:13p | 5:47p | 8:05p | 9:17p |
| Apr 12 | 4:31a | 6:12a | 1:12p | 5:49p | 8:07p | 9:19p |
| Apr 13 | 4:28a | 6:09a | 1:12p | 5:50p | 8:09p | 9:21p |
| Apr 14 | 4:25a | 6:07a | 1:12p | 5:51p | 8:11p | 9:22p |
| Apr 15 | 4:22a | 6:04a | 1:12p | 5:53p | 8:13p | 9:24p |
| Apr 16 | 4:20a | 6:02a | 1:11p | 5:54p | 8:15p | 9:26p |
| Apr 17 | 4:17a | 6:00a | 1:11p | 5:55p | 8:17p | 9:28p |
| Apr 18 | 4:14a | 5:57a | 1:11p | 5:57p | 8:19p | 9:29p |
| Apr 19 | 4:12a | 5:55a | 1:11p | 5:58p | 8:21p | 9:31p |
| Apr 20 | 4:09a | 5:52a | 1:10p | 5:59p | 8:23p | 9:33p |
| Apr 21 | 4:06a | 5:50a | 1:10p | 6:01p | 8:25p | 9:34p |
| Apr 22 | 4:04a | 5:48a | 1:10p | 6:02p | 8:26p | 9:36p |
| Apr 23 | 4:01a | 5:45a | 1:10p | 6:03p | 8:28p | 9:38p |
| Apr 24 | 3:58a | 5:43a | 1:10p | 6:04p | 8:30p | 9:39p |
| Apr 25 | 3:56a | 5:41a | 1:09p | 6:06p | 8:32p | 9:41p |
| Apr 26 | 3:53a | 5:38a | 1:09p | 6:07p | 8:34p | 9:43p |
| Apr 27 | 3:51a | 5:36a | 1:09p | 6:08p | 8:36p | 9:45p |
| Apr 28 | 3:48a | 5:34a | 1:09p | 6:09p | 8:38p | 9:46p |
| Apr 29 | 3:45a | 5:32a | 1:09p | 6:11p | 8:40p | 9:48p |
| Apr 30 | 3:43a | 5:29a | 1:09p | 6:12p | 8:42p | 9:50p |
| May 1 | 3:40a | 5:27a | 1:09p | 6:13p | $8: 44 \mathrm{p}$ | 9:51p |
| May 2 | 3:38a | 5:25a | 1:08p | 6:14p | 8:46p | 9:53p |
| May 3 | 3:35a | 5:23a | 1:08p | 6:15p | 8:48p | 9:55p |
| May 4 | 3:33a | 5:21a | 1:08p | 6:16p | 8:50p | 9:56p |
| May 5 | 3:31a | 5:19a | 1:08p | 6:18p | 8:52p | 9:58p |
| May 6 | 3:28a | 5:17a | 1:08p | 6:19p | 8:53p | 10:00p |
| May 7 | 3:26a | 5:15a | 1:08p | 6:20p | 8:55p | 10:01p |
| May 8 | 3:24a | 5:13a | 1:08p | 6:21p | 8:57p | 10:03p |
| May 9 | 3:21a | 5:11a | 1:08p | 6:22p | 8:59p | 10:06p |
| May 10 | 3:19a | 5:09a | 1:08p | 6:23p | 9:01p | 10:08p |
| May 11 | 3:17a | 5:07a | 1:08p | 6:24p | 9:03p | 10:10p |


| May 12 | 3:15a | 5:05a | 1:08p | 6:25p | 9:05p | 10:12p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:13a | 5:03a | 1:08p | 6:26p | 9:06p | 10:14p |
| May 14 | 3:10a | 5:01a | 1:08p | 6:27p | 9:08p | 10:16p |
| May 15 | 3:08a | 5:00a | 1:08p | 6:28p | 9:10p | 10:18p |
| May 16 | 3:06a | 4:58a | 1:08p | 6:30p | 9:12p | 10:21p |
| May 17 | 3:04a | 4:56a | 1:08p | 6:31p | 9:13p | 10:23p |
| May 18 | 3:02a | 4:54a | 1:08p | 6:32p | 9:15p | 10:25p |
| May 19 | 3:00a | 4:53a | 1:08p | 6:33p | 9:17p | 10:27p |
| May 20 | 2:58a | 4:51a | 1:08p | 6:33p | 9:19p | 10:29p |
| May 21 | 2:57a | 4:50a | 1:08p | 6:34p | 9:20p | 10:31p |
| May 22 | 2:55a | 4:48a | 1:08p | 6:35p | 9:22p | 10:33p |
| May 23 | 2:53a | 4:47a | 1:08p | 6:36p | 9:23p | 10:35p |
| May 24 | 2:51a | 4:45a | 1:08p | 6:37p | 9:25p | 10:37p |
| May 25 | 2:50a | 4:44a | 1:08p | 6:38p | 9:27p | 10:38p |
| May 26 | 2:48a | 4:43a | 1:08p | 6:39p | 9:28p | 10:40p |
| May 27 | 2:46a | 4:41a | 1:08p | 6:40p | 9:30p | 10:42p |
| May 28 | 2:45a | 4:40a | 1:08p | 6:41p | 9:31p | 10:44p |
| May 29 | 2:43a | 4:39a | 1:09p | 6:42p | 9:32p | 10:46p |
| May 30 | 2:42a | 4:38a | 1:09p | 6:42p | 9:34p | 10:47p |
| May 31 | 2:40a | 4:37a | 1:09p | 6:43p | 9:35p | 10:49p |
| Jun 1 | 2:39a | 4:36a | 1:09p | 6:44p | 9:37p | 10:51p |
| Jun 2 | 2:38a | 4:35a | 1:09p | 6:45p | 9:38p | 10:52p |
| Jun 3 | 2:36a | 4:34a | 1:09p | 6:45p | 9:39p | 10:54p |
| Jun 4 | 2:35a | 4:33a | 1:09p | 6:46p | 9:40p | 10:55p |
| Jun 5 | 2:34a | 4:32a | 1:10p | 6:47p | 9:41p | 10:57p |
| Jun 6 | 2:33a | 4:31a | 1:10p | 6:47p | 9:42p | 10:58p |
| Jun 7 | 2:32a | 4:30a | 1:10p | 6:48p | 9:43p | 11:00p |
| Jun 8 | 2:31a | 4:30a | 1:10p | 6:49p | $9: 44 \mathrm{p}$ | 11:01p |
| Jun 9 | 2:30a | 4:29a | 1:10p | 6:49p | 9:45p | 11:02p |
| Jun 10 | 2:29a | 4:29a | 1:11p | 6:50p | 9:46p | 11:03p |
| Jun 11 | 2:29a | 4:28a | 1:11p | 6:50p | 9:47p | 11:05p |
| Jun 12 | 2:28a | 4:28a | 1:11p | 6:51p | 9:48p | 11:06p |
| Jun 13 | 2:27a | 4:27a | 1:11p | 6:51p | 9:49p | 11:07p |
| Jun 14 | 2:27a | 4:27a | 1:11p | 6:52p | 9:49p | 11:08p |


| Jun 15 | 2:26a | 4:27a | 1:12p | 6:52p | 9:50p | 11:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:26a | 4:27a | 1:12p | 6:53p | 9:50p | 11:09p |
| Jun 17 | 2:25a | 4:27a | 1:12p | 6:53p | 9:51p | 11:10p |
| Jun 18 | 2:25a | 4:27a | 1:12p | 6:53p | 9:51p | 11:11p |
| Jun 19 | 2:25a | 4:27a | 1:12p | 6:54p | 9:52p | 11:12p |
| Jun 20 | 2:24a | 4:27a | 1:13p | 6:54p | 9:52p | 11:12p |
| Jun 21 | 2:24a | 4:27a | 1:13p | 6:54p | 9:52p | 11:13p |
| Jun 22 | 2:24a | 4:27a | 1:13p | 6:54p | 9:52p | 11:13p |
| Jun 23 | 2:25a | 4:27a | 1:13p | 6:55p | 9:52p | 11:13p |
| Jun 24 | 2:25a | 4:28a | 1:14p | 6:55p | 9:53p | 11:13p |
| Jun 25 | 2:26a | 4:28a | 1:14p | 6:55p | 9:53p | 11:13p |
| Jun 26 | 2:27a | 4:29a | 1:14p | 6:55p | 9:52p | 11:12p |
| Jun 27 | 2:28a | 4:29a | 1:14p | 6:55p | 9:52p | 11:12p |
| Jun 28 | 2:28a | 4:30a | 1:14p | 6:55p | 9:52p | 11:11p |
| Jun 29 | 2:29a | 4:30a | 1:15p | 6:55p | 9:52p | 11:11p |
| Jun 30 | 2:30a | 4:31a | 1:15p | 6:55p | 9:52p | 11:10p |
| Jul 1 | 2:31a | 4:32a | 1:15p | 6:55p | 9:51p | 11:09p |
| Jul 2 | 2:33a | 4:33a | 1:15p | 6:55p | 9:51p | 11:08p |
| Jul 3 | 2:34a | 4:33a | 1:15p | 6:55p | 9:50p | 11:08p |
| Jul 4 | 2:35a | 4:34a | 1:16p | 6:55p | 9:50p | 11:07p |
| Jul 5 | 2:36a | 4:35a | 1:16p | 6:54p | 9:49p | 11:06p |
| Jul 6 | 2:37a | 4:36a | 1:16p | 6:54p | 9:48p | 11:05p |
| Jul 7 | 2:39a | 4:37a | 1:16p | 6:54p | 9:48p | 11:04p |
| Jul 8 | 2:40a | 4:38a | 1:16p | 6:54p | 9:47p | 11:03p |
| Jul 9 | 2:42a | 4:39a | 1:16p | 6:53p | 9:46p | 11:01p |
| Jul 10 | 2:43a | 4:41a | 1:17p | 6:53p | 9:45p | 11:00p |
| Jul 11 | 2:45a | 4:42a | 1:17p | 6:52p | 9:44p | 10:59p |
| Jul 12 | 2:46a | 4:43a | 1:17p | 6:52p | 9:43p | 10:57p |
| Jul 13 | 2:48a | 4:44a | 1:17p | 6:52p | 9:42p | 10:56p |
| Jul 14 | 2:49a | 4:46a | 1:17p | 6:51p | 9:41p | 10:55p |
| Jul 15 | 2:51a | 4:47a | 1:17p | 6:51p | 9:40p | 10:53p |
| Jul 16 | 2:53a | 4:48a | 1:17p | 6:50p | 9:38p | 10:51p |
| Jul 17 | 2:55a | 4:50a | 1:17p | 6:49p | 9:37p | 10:50p |
| Jul 18 | 2:56a | 4:51a | 1:17p | 6:49p | 9:36p | 10:48p |
| 299 |  |  |  |  |  |  |


| Jul 19 | 2:58a | 4:53a | 1:18p | 6:48p | 9:34p | 10:47p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:00a | 4:54a | 1:18p | 6:47p | 9:33p | 10:45p |
| Jul 21 | 3:02a | 4:56a | 1:18p | 6:47p | 9:31p | 10:43p |
| Jul 22 | 3:04a | 4:58a | 1:18p | 6:46p | 9:30p | 10:41p |
| Jul 23 | 3:06a | 4:59a | 1:18p | 6:45p | 9:28p | 10:39p |
| Jul 24 | 3:08a | 5:01a | 1:18p | $6: 44 \mathrm{p}$ | 9:27p | 10:37p |
| Jul 25 | 3:10a | 5:02a | 1:18p | 6:43p | 9:25p | 10:35p |
| Jul 26 | 3:12a | 5:04a | 1:18p | 6:42p | 9:24p | 10:33p |
| Jul 27 | 3:14a | 5:06a | 1:18p | 6:41p | 9:22p | 10:31p |
| Jul 28 | 3:16a | 5:07a | 1:18p | 6:40p | 9:20p | 10:29p |
| Jul 29 | 3:18a | 5:09a | 1:18p | 6:39p | 9:18p | 10:27p |
| Jul 30 | 3:20a | 5:11a | 1:18p | 6:38p | 9:16p | 10:25p |
| Jul 31 | 3:22a | 5:13a | 1:18p | 6:37p | 9:15p | 10:23p |
| Aug 1 | 3:24a | 5:14a | 1:18p | 6:36p | 9:13p | 10:21p |
| Aug 2 | 3:26a | 5:16a | 1:18p | 6:35p | 9:11p | 10:18p |
| Aug 3 | 3:28a | 5:18a | 1:18p | 6:34p | 9:09p | 10:16p |
| Aug 4 | 3:30a | 5:20a | 1:17p | 6:33p | 9:07p | 10:14p |
| Aug 5 | 3:32a | 5:22a | 1:17p | 6:31p | 9:05p | 10:11p |
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| Aug 15 | 3:54a | 5:40a | 1:16p | 6:18p | 8:44p | 9:51p |
| Aug 16 | 3:56a | 5:42a | 1:16p | 6:16p | 8:41p | 9:49p |
| Aug 17 | 3:58a | 5:44a | 1:16p | 6:15p | 8:39p | 9:47p |
| Aug 18 | 4:00a | 5:46a | 1:15p | 6:13p | 8:37p | 9:45p |
| Aug 19 | 4:02a | 5:47a | 1:15p | 6:11p | 8:34p | 9:43p |
| Aug 20 | 4:05a | 5:49a | 1:15p | 6:10p | 8:32p | 9:41p |
| Aug 21 | 4:07a | 5:51a | 1:15p | 6:08p | 8:30p | 9:39p |


| Aug 22 | 4:09a | 5:53a | 1:14p | 6:06p | 8:27p | 9:37p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:11a | 5:55a | 1:14p | 6:05p | 8:25p | 9:35p |
| Aug 24 | 4:13a | 5:57a | 1:14p | 6:03p | 8:22p | 9:33p |
| Aug 25 | 4:15a | 5:59a | 1:14p | 6:01p | 8:20p | 9:30p |
| Aug 26 | 4:18a | 6:01a | 1:13p | 5:59p | 8:18p | 9:28p |
| Aug 27 | 4:20a | 6:02a | 1:13p | 5:58p | 8:15p | 9:26p |
| Aug 28 | 4:22a | 6:04a | 1:13p | 5:56p | 8:13p | 9:24p |
| Aug 29 | 4:24a | 6:06a | 1:13p | 5:54p | 8:10p | 9:22p |
| Aug 30 | 4:26a | 6:08a | 1:12p | 5:52p | 8:08p | 9:19p |
| Aug 31 | 4:29a | 6:10a | 1:12p | 5:50p | 8:05p | 9:17p |
| Sep 1 | 4:31a | 6:12a | 1:12p | 5:48p | 8:03p | 9:15p |
| Sep 2 | 4:33a | 6:14a | 1:11p | 5:46p | 8:00p | 9:13p |
| Sep 3 | 4:35a | 6:15a | 1:11p | 5:44p | 7:58p | 9:11p |
| Sep 4 | 4:37a | 6:17a | 1:11p | 5:43p | 7:55p | 9:08p |
| Sep 5 | 4:39a | 6:19a | 1:10p | 5:41p | 7:53p | 9:06p |
| Sep 6 | 4:42a | 6:21a | 1:10p | 5:39p | 7:50p | 9:04p |
| Sep 7 | 4:44a | 6:23a | 1:10p | 5:37p | 7:48p | 9:02p |
| Sep 8 | 4:46a | 6:25a | 1:09p | 5:35p | 7:45p | 8:59p |
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| Sep 17 | 5:06a | 6:42a | 1:06p | 5:16p | 7:22p | 8:38p |
| Sep 18 | 5:08a | 6:43a | 1:06p | 5:14p | 7:20p | 8:36p |
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| Sep 20 | 5:12a | 6:47a | 1:05p | 5:09p | 7:14p | 8:31p |
| Sep 21 | 5:14a | 6:49a | 1:05p | 5:07p | 7:12p | 8:29p |
| Sep 22 | 5:16a | 6:51a | 1:04p | 5:05p | 7:09p | 8:27p |
| Sep 23 | 5:18a | 6:53a | 1:04p | 5:03p | 7:07p | 8:24p |
| Sep 24 | 5:20a | 6:55a | 1:04p | 5:01p | 7:04p | 8:22p |
| 301 |  |  |  |  |  |  |


| Sep 25 | 5:22a | 6:56a | 1:03p | 4:59p | 7:02p | 8:20p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:24a | 6:58a | 1:03p | 4:56p | 6:59p | 8:18p |
| Sep 27 | 5:25a | 7:00a | 1:03p | 4:54p | 6:57p | 8:15p |
| Sep 28 | 5:27a | 7:02a | 1:02p | 4:52p | 6:54p | 8:13p |
| Sep 29 | 5:29a | 7:04a | 1:02p | 4:50p | 6:51p | 8:11p |
| Sep 30 | 5:31a | 7:06a | 1:02p | 4:48p | 6:49p | 8:08p |
| Oct 1 | 5:32a | 7:08a | 1:01p | 4:45p | 6:46p | 8:06p |
| Oct 2 | 5:34a | 7:10a | 1:01p | 4:43p | 6:44p | 8:04p |
| Oct 3 | 5:36a | 7:12a | 1:01p | 4:41p | 6:41p | 8:02p |
| Oct 4 | 5:38a | 7:14a | 1:00p | 4:39p | 6:39p | 7:59p |
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| Oct 6 | 5:41a | 7:17a | 1:00p | 4:34p | 6:34p | 7:55p |
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| Oct 12 | 5:53a | 7:29a | 12:58p | 4:21p | 6:19p | 7:41p |
| Oct 13 | 5:54a | 7:31a | 12:58p | 4:19p | 6:16p | 7:39p |
| Oct 14 | 5:56a | 7:33a | 12:58p | 4:16p | 6:14p | 7:37p |
| Oct 15 | 5:58a | 7:35a | 12:57p | 4:14p | 6:11p | 7:35p |
| Oct 16 | 6:00a | 7:37a | 12:57p | 4:12p | 6:09p | 7:33p |
| Oct 17 | 6:02a | 7:39a | 12:57p | 4:10p | 6:07p | 7:31p |
| Oct 18 | 6:04a | 7:41a | 12:57p | 4:08p | 6:04p | 7:28p |
| Oct 19 | 6:06a | 7:43a | 12:56p | 4:06p | 6:02p | 7:26p |
| Oct 20 | 6:08a | 7:45a | 12:56p | 4:03p | 6:00p | 7:24p |
| Oct 21 | 6:09a | 7:47a | 12:56p | 4:01p | 5:57p | 7:22p |
| Oct 22 | 6:11a | 7:49a | 12:56p | 3:59p | 5:55p | 7:20p |
| Oct 23 | 6:13a | 7:51a | 12:56p | 3:57p | 5:53p | 7:18p |
| Oct 24 | 6:15a | 7:53a | 12:56p | 3:55p | 5:50p | 7:16p |
| Oct 25 | 6:17a | 7:55a | 12:56p | 3:53p | 5:48p | 7:14p |
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| Oct 27 | 6:21a | 7:59a | 12:55p | 3:49p | 5:44p | 7:10p |
| Oct 28 | 5:23a | 7:01a | 11:55a | 2:47p | 4:42p | 6:08p |


| Oct 29 | 5:25a | 7:03a | 11:55a | 2:45p | 4:39p | 6:06p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:27a | 7:05a | 11:55a | 2:43p | 4:37p | 6:04p |
| Oct 31 | 5:29a | 7:07a | 11:55a | 2:41p | 4:35p | 6:02p |
| Nov 1 | 5:31a | 7:09a | 11:55a | 2:39p | 4:33p | 6:01p |
| Nov 2 | 5:33a | 7:11a | 11:55a | 2:37p | 4:31p | 5:59p |
| Nov 3 | 5:34a | 7:13a | 11:55a | 2:35p | $4: 29 \mathrm{p}$ | 5:57p |
| Nov 4 | 5:36a | 7:15a | 11:55a | 2:33p | 4:27p | 5:55p |
| Nov 5 | 5:38a | 7:17a | 11:55a | 2:31p | 4:25p | 5:53p |
| Nov 6 | 5:40a | 7:19a | 11:55a | 2:29p | 4:23p | 5:52p |
| Nov 7 | 5:42a | 7:21a | 11:55a | 2:27p | 4:21p | 5:50p |
| Nov 8 | 5:44a | 7:23a | 11:55a | 2:26p | 4:19p | 5:48p |
| Nov 9 | 5:46a | 7:25a | 11:55a | 2:24p | 4:17p | 5:47p |
| Nov 10 | 5:48a | 7:27a | 11:55a | 2:22p | 4:15p | 5:45p |
| Nov 11 | 5:50a | 7:29a | 11:55a | 2:20p | 4:14p | 5:44p |
| Nov 12 | 5:52a | 7:31a | 11:55a | 2:19p | 4:12p | 5:42p |
| Nov 13 | 5:54a | 7:33a | 11:56a | 2:17p | 4:10p | 5:41p |
| Nov 14 | 5:56a | 7:35a | 11:56a | 2:16p | 4:08p | 5:39p |
| Nov 15 | 5:58a | 7:37a | 11:56a | 2:14p | 4:07p | 5:38p |
| Nov 16 | 5:59a | 7:39a | 11:56a | 2:13p | 4:05p | 5:37p |
| Nov 17 | 6:01a | 7:41a | 11:56a | 2:11p | 4:04p | 5:35p |
| Nov 18 | 6:03a | 7:43a | 11:56a | 2:10p | 4:02p | 5:34p |
| Nov 19 | 6:05a | 7:45a | 11:57a | 2:08p | 4:01p | 5:33p |
| Nov 20 | 6:07a | 7:47a | 11:57a | 2:07p | 3:59p | 5:32p |
| Nov 21 | 6:09a | 7:49a | 11:57a | 2:06p | 3:58p | 5:30p |
| Nov 22 | 6:10a | 7:51a | 11:57a | 2:04p | 3:56p | 5:29p |
| Nov 23 | 6:12a | 7:53a | 11:58a | 2:03p | 3:55p | 5:28p |
| Nov 24 | 6:14a | 7:55a | 11:58a | 2:02p | 3:54p | 5:27p |
| Nov 25 | 6:15a | 7:56a | 11:58a | 2:01p | 3:53p | 5:26p |
| Nov 26 | 6:17a | 7:58a | 11:58a | 2:00p | 3:51p | 5:25p |
| Nov 27 | 6:19a | 8:00a | 11:59a | 1:59p | 3:50p | 5:25p |
| Nov 28 | 6:20a | 8:02a | 11:59a | 1:58p | 3:49p | 5:24p |
| Nov 29 | 6:22a | 8:03a | 11:59a | 1:57p | 3:48p | 5:23p |
| Nov 30 | 6:23a | 8:05a | 12:00n | 1:56p | 3:47p | 5:22p |
| Dec 1 | 6:25a | 8:07a | 12:00n | 1:55p | 3:47p | 5:22p |


| Dec 2 | 6:26a | 8:08a | 12:00n | 1:55p | 3:46p | 5:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:28a | 8:10a | 12:01p | 1:54p | 3:45p | 5:21p |
| Dec 4 | 6:29a | 8:11a | 12:01p | 1:53p | 3:44p | 5:20p |
| Dec 5 | 6:31a | 8:13a | 12:02p | 1:53p | 3:44p | 5:20p |
| Dec 6 | 6:32a | 8:14a | 12:02p | 1:52p | 3:43p | 5:20p |
| Dec 7 | 6:33a | 8:15a | 12:02p | 1:52p | 3:43p | 5:19p |
| Dec 8 | 6:34a | 8:17a | 12:03p | 1:51p | 3:42p | 5:19p |
| Dec 9 | 6:36a | 8:18a | 12:03p | 1:51p | 3:42p | 5:19p |
| Dec 10 | 6:37a | 8:19a | 12:04p | 1:51p | 3:41p | 5:19p |
| Dec 11 | 6:38a | 8:20a | 12:04p | 1:50p | 3:41p | 5:19p |
| Dec 12 | 6:39a | 8:22a | 12:05p | 1:50p | 3:41p | 5:19p |
| Dec 13 | 6:40a | 8:23a | 12:05p | 1:50p | 3:41p | 5:19p |
| Dec 14 | 6:41a | 8:24a | 12:06p | 1:50p | 3:41p | 5:19p |
| Dec 15 | 6:42a | 8:25a | 12:06p | 1:50p | 3:41p | 5:20p |
| Dec 16 | 6:42a | 8:25a | 12:07p | 1:50p | 3:41p | 5:20p |
| Dec 17 | 6:43a | 8:26a | 12:07p | 1:50p | 3:41p | 5:20p |
| Dec 18 | 6:44a | 8:27a | 12:08p | 1:51p | 3:41p | 5:20p |
| Dec 19 | 6:45a | 8:28a | 12:08p | 1:51p | 3:42p | 5:21p |
| Dec 20 | 6:45a | 8:28a | 12:09p | 1:51p | 3:42p | 5:21p |
| Dec 21 | 6:46a | 8:29a | 12:09p | 1:52p | 3:42p | 5:22p |
| Dec 22 | 6:46a | 8:30a | 12:10p | 1:52p | 3:43p | 5:22p |
| Dec 23 | 6:47a | 8:30a | 12:10p | 1:53p | 3:44p | 5:23p |
| Dec 24 | 6:47a | 8:30a | 12:11p | 1:53p | 3:44p | 5:23p |
| Dec 25 | 6:48a | 8:31a | 12:11p | 1:54p | 3:45p | 5:24p |
| Dec 26 | 6:48a | 8:31a | 12:11p | 1:54p | 3:46p | 5:25p |
| Dec 27 | 6:48a | 8:31a | 12:12p | 1:55p | 3:46p | 5:25p |
| Dec 28 | 6:48a | 8:31a | 12:12p | 1:56p | 3:47p | 5:26p |
| Dec 29 | 6:48a | 8:31a | 12:13p | 1:57p | 3:48p | 5:27p |
| Dec 30 | 6:48a | 8:31a | 12:13p | 1:58p | 3:49p | 5:28p |
| Dec 31 | 6:48a | 8:31a | 12:14p | 1:59p | 3:50p | 5:29p |

## PRESTON LANCASHIRE Lt=53:46N Lg= 2:42W GMT+ 0

Qiblah Compass=121:46E(2006.91)Qiblah from True North =118:13E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $6: 46 a$ |
| Jan 2 | $6: 46 a$ |
| Jan 3 | $6: 46 a$ |
| Jan 4 | $6: 46 a$ |
| Jan 5 | $6: 46 a$ | Sunrise Zuhr Asr(H) Maghrib Isha Jan 6 6:45a Jan 7 6:45a

Jan 8 6:45a
Jan 9 6:44a
Jan 10 6:44a
Jan 11 6:43a
Jan 12 6:42a
Jan 13 6:42a
Jan 14 6:41a
Jan 15 6:40a
Jan 16 6:39a
Jan 17 6:38a
Jan 18 6:37a
Jan 19 6:36a
Jan 20 6:35a
Jan 21 6:34a
Jan 22 6:33a
Jan 23 6:32a
Jan 24 6:30a
Jan 25 6:29a

Jan 26 6:28a
Jan 27 6:26a
Jan 28 6:25a
Jan 29 6:23a

| $8: 28 \mathrm{a}$ | $12: 19 \mathrm{p}$ |
| :--- | :--- |
| $8: 28 \mathrm{a}$ | $12: 19 \mathrm{p}$ |

2:12p 4:03p
2:13p $4: 04 \mathrm{p} \quad 5: 41 \mathrm{p}$
8:28a $12: 20 p \quad 2: 14 p \quad 4: 06 p \quad 5: 42 p$
8:28a $\quad 12: 20 \mathrm{p} \quad 2: 15 \mathrm{p} \quad 4: 07 \mathrm{p} \quad 5: 43 \mathrm{p}$
8:27a $\quad 12: 21 p \quad 2: 17 p \quad 4: 08 p \quad 5: 44 p$
8:27a $\quad 12: 21 p \quad 2: 18 p \quad 4: 09 p \quad 5: 45 p$
8:26a $\quad 12: 22 p \quad 2: 19 p \quad 4: 11 p \quad 5: 47 p$
8:26a $\quad 12: 22 \mathrm{p} \quad 2: 20 \mathrm{p} \quad 4: 12 \mathrm{p} \quad 5: 48 \mathrm{p}$
8:25a 12:23p 2:22p
8:25a 12:23p
$4: 14 p \quad 5: 49 p$
12:23p 2:23p $\quad 4: 15 p \quad 5: 50 p$
8:24a 12:23p
$4: 17 \mathrm{p} \quad 5: 51 \mathrm{p}$
8:23a $\quad 12: 24 \mathrm{p} \quad 2: 26 \mathrm{p} \quad 4: 18 \mathrm{p} \quad 5: 53 \mathrm{p}$
8:22a $\quad 12: 24 \mathrm{p} \quad 2: 27 \mathrm{p} \quad 4: 20 \mathrm{p} \quad 5: 54 \mathrm{p}$
8:21a 12:25p

| Jan 30 | 6:22a | 8:01a | 12:29p | 2:56p | 4:51p | 6:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:20a | 7:59a | 12:29p | 2:58p | 4:53p | 6:23p |
| Feb 1 | 6:19a | 7:58a | 12:29p | 3:00p | 4:55p | 6:24p |
| Feb 2 | 6:17a | 7:56a | 12:29p | 3:02p | 4:57p | 6:26p |
| Feb 3 | 6:16a | 7:54a | 12:30p | 3:04p | 4:59p | 6:28p |
| Feb 4 | 6:14a | 7:52a | 12:30p | 3:06p | 5:01p | 6:30p |
| Feb 5 | 6:12a | 7:51a | 12:30p | 3:07p | 5:03p | 6:31p |
| Feb 6 | 6:10a | 7:49a | 12:30p | 3:09p | 5:05p | 6:33p |
| Feb 7 | 6:09a | 7:47a | 12:30p | 3:11p | 5:07p | 6:35p |
| Feb 8 | 6:07a | 7:45a | 12:30p | 3:13p | 5:09p | 6:37p |
| Feb 9 | 6:05a | 7:43a | 12:30p | 3:15p | 5:11p | 6:38p |
| Feb 10 | 6:03a | 7:41a | 12:30p | 3:17p | 5:13p | 6:40p |
| Feb 11 | 6:01a | 7:39a | 12:30p | 3:19p | 5:15p | 6:42p |
| Feb 12 | 5:59a | 7:37a | 12:30p | 3:21p | 5:17p | 6:44p |
| Feb 13 | 5:57a | 7:35a | 12:30p | 3:22p | 5:19p | 6:45p |
| Feb 14 | 5:55a | 7:33a | 12:30p | 3:24p | 5:21p | 6:47p |
| Feb 15 | 5:53a | 7:31a | 12:30p | 3:26p | 5:23p | 6:49p |
| Feb 16 | 5:51a | 7:29a | 12:30p | 3:28p | 5:25p | 6:51p |
| Feb 17 | 5:49a | 7:27a | 12:30p | 3:30p | 5:27p | 6:52p |
| Feb 18 | 5:47a | 7:25a | 12:30p | 3:32p | 5:29p | 6:54p |
| Feb 19 | 5:45a | 7:22a | 12:30p | 3:33p | 5:31p | 6:56p |
| Feb 20 | 5:43a | 7:20a | 12:30p | 3:35p | 5:33p | 6:58p |
| Feb 21 | 5:41a | 7:18a | 12:30p | 3:37p | 5:35p | 6:59p |
| Feb 22 | 5:39a | 7:16a | 12:29p | $3: 39 \mathrm{p}$ | 5:37p | 7:01p |
| Feb 23 | 5:37a | 7:14a | 12:29p | $3: 41 \mathrm{p}$ | 5:39p | 7:03p |
| Feb 24 | 5:35a | 7:11a | 12:29p | 3:42p | 5:41p | 7:04p |
| Feb 25 | 5:33a | 7:09a | 12:29p | $3: 44 \mathrm{p}$ | 5:43p | 7:06p |
| Feb 26 | 5:30a | 7:07a | 12:29p | $3: 46 p$ | 5:45p | 7:08p |
| Feb 27 | 5:28a | 7:05a | 12:29p | $3: 48 \mathrm{p}$ | 5:46p | 7:10p |
| Feb 28 | 5:26a | 7:02a | 12:28p | 3:49p | 5:48p | 7:11p |
| Mar 1 | 5:24a | 7:00a | 12:28p | 3:51p | 5:50p | 7:13p |
| Mar 2 | 5:22a | 6:58a | 12:28p | 3:53p | 5:52p | 7:15p |
| Mar 3 | 5:19a | 6:55a | 12:28p | 3:54p | 5:54p | 7:16p |
| Mar 4 | 5:17a | 6:53a | 12:28p | 3:56p | 5:56p | 7:18p |


| Mar 5 | 5:15a | 6:51a | 12:27p | 3:58p | 5:58p | 7:20p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:13a | 6:48a | 12:27p | 3:59p | 6:00p | 7:21p |
| Mar 7 | 5:10a | 6:46a | 12:27p | 4:01p | 6:02p | 7:23p |
| Mar 8 | 5:08a | 6:44a | 12:27p | 4:03p | 6:04p | 7:25p |
| Mar 9 | 5:06a | 6:41a | 12:27p | 4:04p | 6:06p | 7:26p |
| Mar 10 | 5:04a | 6:39a | 12:26p | 4:06p | 6:08p | 7:28p |
| Mar 11 | 5:01a | 6:36a | 12:26p | 4:08p | 6:10p | 7:30p |
| Mar 12 | 4:59a | 6:34a | 12:26p | 4:09p | 6:11p | 7:31p |
| Mar 13 | 4:57a | 6:31a | 12:25p | 4:11p | 6:13p | 7:33p |
| Mar 14 | 4:54a | 6:29a | 12:25p | 4:12p | 6:15p | 7:35p |
| Mar 15 | 4:52a | 6:27a | 12:25p | $4: 14 \mathrm{p}$ | 6:17p | 7:36p |
| Mar 16 | 4:50a | 6:24a | 12:25p | 4:15p | 6:19p | 7:38p |
| Mar 17 | 4:47a | 6:22a | 12:24p | 4:17p | 6:21p | 7:39p |
| Mar 18 | 4:45a | 6:19a | 12:24p | 4:18p | 6:23p | 7:41p |
| Mar 19 | 4:43a | 6:17a | 12:24p | 4:20p | 6:25p | 7:43p |
| Mar 20 | 4:40a | 6:14a | 12:24p | 4:21p | 6:26p | 7:44p |
| Mar 21 | 4:38a | 6:12a | 12:23p | 4:23p | 6:28p | 7:46p |
| Mar 22 | 4:35a | 6:09a | 12:23p | $4: 24 \mathrm{p}$ | 6:30p | 7:48p |
| Mar 23 | 4:33a | 6:07a | 12:23p | 4:26p | 6:32p | 7:49p |
| Mar 24 | 4:30a | 6:05a | 12:22p | 4:27p | 6:34p | 7:51p |
| Mar 25 | 5:27a | 7:02a | 1:22p | 5:29p | 7:36p | 8:52p |
| Mar 26 | 5:24a | 7:00a | 1:22p | 5:30p | 7:38p | 8:54p |
| Mar 27 | 5:22a | 6:57a | 1:21p | 5:32p | 7:39p | 8:56p |
| Mar 28 | 5:19a | 6:55a | 1:21p | 5:33p | 7:41p | 8:57p |
| Mar 29 | 5:16a | 6:52a | 1:21p | 5:34p | 7:43p | 8:59p |
| Mar 30 | 5:13a | 6:50a | 1:21p | 5:36p | 7:45p | 9:00p |
| Mar 31 | 5:11a | 6:47a | 1:20p | 5:37p | 7:47p | 9:02p |
| Apr 1 | 5:08a | 6:45a | 1:20p | 5:39p | 7:49p | 9:04p |
| Apr 2 | 5:05a | 6:43a | 1:20p | 5:40p | 7:51p | 9:05p |
| Apr 3 | 5:02a | 6:40a | 1:19p | 5:41p | 7:52p | 9:07p |
| Apr 4 | 5:00a | 6:38a | 1:19p | 5:43p | 7:54p | 9:08p |
| Apr 5 | 4:57a | 6:35a | 1:19p | 5:44p | 7:56p | 9:10p |
| Apr 6 | 4:54a | 6:33a | 1:18p | 5:45p | 7:58p | 9:12p |
| Apr 7 | 4:52a | 6:30a | 1:18p | 5:47p | 8:00p | 9:13p |


| Apr 8 | 4:49a | 6:28a | 1:18p | 5:48p | 8:02p | 9:15p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:46a | 6:26a | 1:18p | 5:49p | 8:03p | 9:16p |
| Apr 10 | 4:43a | 6:23a | 1:17p | 5:51p | 8:05p | 9:18p |
| Apr 11 | 4:41a | 6:21a | 1:17p | 5:52p | 8:07p | 9:20p |
| Apr 12 | 4:38a | 6:19a | 1:17p | 5:53p | 8:09p | 9:21p |
| Apr 13 | 4:35a | 6:16a | 1:17p | 5:54p | 8:11p | 9:23p |
| Apr 14 | 4:33a | 6:14a | 1:16p | 5:56p | 8:13p | 9:24p |
| Apr 15 | 4:30a | 6:11a | 1:16p | 5:57p | 8:15p | 9:26p |
| Apr 16 | 4:28a | 6:09a | 1:16p | 5:58p | 8:16p | 9:28p |
| Apr 17 | 4:25a | 6:07a | 1:16p | 5:59p | 8:18p | 9:29p |
| Apr 18 | 4:22a | 6:05a | 1:15p | 6:01p | 8:20p | 9:31p |
| Apr 19 | 4:20a | 6:02a | 1:15p | 6:02p | 8:22p | 9:32p |
| Apr 20 | 4:17a | 6:00a | 1:15p | 6:03p | 8:24p | 9:34p |
| Apr 21 | 4:15a | 5:58a | 1:15p | 6:04p | 8:26p | 9:36p |
| Apr 22 | 4:12a | 5:56a | 1:14p | 6:06p | 8:27p | 9:37p |
| Apr 23 | 4:10a | 5:53a | 1:14p | 6:07p | 8:29p | 9:39p |
| Apr 24 | 4:07a | 5:51a | 1:14p | 6:08p | 8:31p | 9:40p |
| Apr 25 | 4:05a | 5:49a | 1:14p | 6:09p | 8:33p | 9:42p |
| Apr 26 | 4:02a | 5:47a | 1:14p | 6:10p | 8:35p | 9:44p |
| Apr 27 | 4:00a | 5:45a | 1:14p | 6:11p | 8:37p | 9:45p |
| Apr 28 | 3:57a | 5:42a | 1:13p | 6:13p | 8:39p | 9:47p |
| Apr 29 | 3:55a | 5:40a | 1:13p | 6:14p | 8:40p | 9:48p |
| Apr 30 | 3:52a | 5:38a | 1:13p | 6:15p | 8:42p | 9:50p |
| May 1 | 3:50a | 5:36a | 1:13p | 6:16p | 8:44p | 9:51p |
| May 2 | 3:48a | 5:34a | 1:13p | 6:17p | 8:46p | 9:53p |
| May 3 | 3:45a | 5:32a | 1:13p | 6:18p | 8:48p | 9:55p |
| May 4 | 3:43a | 5:30a | 1:13p | 6:19p | 8:49p | 9:56p |
| May 5 | 3:41a | 5:28a | 1:13p | 6:20p | 8:51p | 9:58p |
| May 6 | 3:38a | 5:26a | 1:12p | 6:22p | 8:53p | 9:59p |
| May 7 | 3:36a | 5:24a | 1:12p | 6:23p | 8:55p | 10:01p |
| May 8 | 3:34a | 5:22a | 1:12p | 6:24p | 8:57p | 10:03p |
| May 9 | 3:32a | 5:20a | 1:12p | 6:25p | 8:58p | 10:05p |
| May 10 | 3:30a | 5:19a | 1:12p | 6:26p | 9:00p | 10:07p |
| May 11 | 3:28a | 5:17a | 1:12p | 6:27p | 9:02p | 10:09p |
| 308 |  |  |  |  |  |  |


| May 12 | 3:25a | 5:15a | 1:12p | 6:28p | 9:03p | 10:11p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:23a | 5:13a | 1:12p | 6:29p | 9:05p | 10:13p |
| May 14 | 3:21a | 5:11a | 1:12p | 6:30p | 9:07p | 10:15p |
| May 15 | 3:19a | 5:10a | 1:12p | 6:31p | 9:09p | 10:17p |
| May 16 | 3:17a | 5:08a | 1:12p | 6:32p | 9:10p | 10:19p |
| May 17 | 3:16a | 5:07a | 1:12p | 6:33p | 9:12p | 10:21p |
| May 18 | 3:14a | 5:05a | 1:12p | 6:34p | 9:13p | 10:23p |
| May 19 | 3:12a | 5:03a | 1:12p | 6:35p | 9:15p | 10:25p |
| May 20 | 3:10a | 5:02a | 1:12p | 6:36p | 9:17p | 10:27p |
| May 21 | 3:08a | 5:01a | 1:12p | 6:36p | 9:18p | 10:29p |
| May 22 | 3:07a | 4:59a | 1:12p | 6:37p | 9:20p | 10:31p |
| May 23 | 3:05a | 4:58a | 1:12p | 6:38p | 9:21p | 10:32p |
| May 24 | 3:03a | 4:56a | 1:13p | 6:39p | 9:23p | 10:34p |
| May 25 | 3:02a | 4:55a | 1:13p | 6:40p | 9:24p | 10:36p |
| May 26 | 3:00a | 4:54a | 1:13p | 6:41p | 9:26p | 10:38p |
| May 27 | 2:59a | 4:53a | 1:13p | 6:42p | 9:27p | 10:40p |
| May 28 | 2:57a | 4:52a | 1:13p | 6:42p | 9:28p | 10:41p |
| May 29 | 2:56a | 4:50a | 1:13p | 6:43p | 9:30p | 10:43p |
| May 30 | 2:54a | 4:49a | 1:13p | 6:44p | 9:31p | 10:45p |
| May 31 | 2:53a | 4:48a | 1:13p | 6:45p | 9:32p | 10:46p |
| Jun 1 | 2:52a | 4:47a | 1:13p | 6:46p | 9:34p | 10:48p |
| Jun 2 | 2:51a | 4:46a | 1:14p | 6:46p | 9:35p | 10:49p |
| Jun 3 | 2:49a | 4:46a | 1:14p | 6:47p | 9:36p | 10:51p |
| Jun 4 | 2:48a | 4:45a | 1:14p | 6:48p | 9:37p | 10:52p |
| Jun 5 | 2:47a | 4:44a | 1:14p | 6:48p | 9:38p | 10:53p |
| Jun 6 | 2:46a | 4:43a | 1:14p | 6:49p | 9:39p | 10:55p |
| Jun 7 | 2:45a | 4:43a | 1:14p | 6:49p | 9:40p | 10:56p |
| Jun 8 | 2:44a | 4:42a | 1:15p | 6:50p | $9: 41 \mathrm{p}$ | 10:57p |
| Jun 9 | 2:44a | 4:42a | 1:15p | 6:51p | 9:42p | 10:59p |
| Jun 10 | 2:43a | 4:41a | 1:15p | 6:51p | 9:43p | 11:00p |
| Jun 11 | 2:42a | 4:41a | 1:15p | 6:52p | 9:43p | 11:01p |
| Jun 12 | 2:41a | 4:40a | 1:15p | 6:52p | $9: 44 \mathrm{p}$ | 11:02p |
| Jun 13 | 2:41a | 4:40a | 1:16p | 6:53p | 9:45p | 11:03p |
| Jun 14 | 2:40a | 4:40a | 1:16p | 6:53p | 9:46p | 11:04p |


| Jun 15 | 2:40a | 4:40a | 1:16p | 6:54p | 9:46p | 11:05p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:39a | 4:39a | 1:16p | 6:54p | 9:47p | 11:06p |
| Jun 17 | 2:39a | 4:39a | 1:17p | 6:54p | 9:47p | 11:06p |
| Jun 18 | 2:39a | 4:39a | 1:17p | 6:55p | 9:47p | 11:07p |
| Jun 19 | 2:38a | 4:39a | 1:17p | 6:55p | 9:48p | 11:08p |
| Jun 20 | 2:38a | 4:40a | 1:17p | 6:55p | 9:48p | 11:08p |
| Jun 21 | 2:38a | 4:40a | 1:17p | 6:55p | 9:48p | 11:09p |
| Jun 22 | 2:38a | 4:40a | 1:18p | 6:56p | 9:49p | 11:10p |
| Jun 23 | 2:38a | 4:40a | 1:18p | 6:56p | 9:49p | 11:09p |
| Jun 24 | 2:39a | 4:41a | 1:18p | 6:56p | 9:49p | 11:09p |
| Jun 25 | 2:40a | 4:41a | 1:18p | 6:56p | 9:49p | 11:09p |
| Jun 26 | 2:41a | 4:41a | 1:18p | 6:56p | 9:49p | 11:08p |
| Jun 27 | 2:41a | 4:42a | 1:19p | 6:56p | 9:49p | 11:08p |
| Jun 28 | 2:42a | 4:42a | 1:19p | 6:56p | 9:48p | 11:07p |
| Jun 29 | 2:43a | 4:43a | 1:19p | 6:56p | 9:48p | 11:07p |
| Jun 30 | 2:44a | 4:44a | 1:19p | 6:56p | 9:48p | 11:06p |
| Jul 1 | 2:45a | 4:44a | 1:19p | 6:56p | 9:48p | 11:06p |
| Jul 2 | 2:46a | 4:45a | 1:20p | 6:56p | 9:47p | 11:05p |
| Jul 3 | 2:47a | 4:46a | 1:20p | 6:56p | 9:47p | 11:04p |
| Jul 4 | 2:48a | 4:47a | 1:20p | 6:56p | 9:46p | 11:03p |
| Jul 5 | 2:50a | 4:48a | 1:20p | 6:56p | 9:46p | 11:02p |
| Jul 6 | 2:51a | 4:49a | 1:20p | 6:56p | 9:45p | 11:01p |
| Jul 7 | 2:52a | 4:49a | 1:21p | 6:55p | 9:44p | 11:00p |
| Jul 8 | 2:53a | 4:51a | 1:21p | 6:55p | 9:44p | 10:59p |
| Jul 9 | 2:55a | 4:52a | 1:21p | 6:55p | 9:43p | 10:58p |
| Jul 10 | 2:56a | 4:53a | 1:21p | 6:54p | 9:42p | 10:57p |
| Jul 11 | 2:58a | 4:54a | 1:21p | 6:54p | 9:41p | 10:56p |
| Jul 12 | 2:59a | 4:55a | 1:21p | 6:54p | 9:40p | 10:55p |
| Jul 13 | 3:01a | 4:56a | 1:21p | 6:53p | 9:39p | 10:53p |
| Jul 14 | 3:02a | 4:57a | 1:22p | 6:53p | 9:38p | 10:52p |
| Jul 15 | 3:04a | 4:59a | 1:22p | 6:52p | 9:37p | 10:50p |
| Jul 16 | 3:05a | 5:00a | 1:22p | 6:52p | 9:36p | 10:49p |
| Jul 17 | 3:07a | 5:01a | 1:22p | 6:51p | 9:35p | 10:47p |
| Jul 18 | 3:09a | 5:03a | 1:22p | 6:51p | 9:33p | 10:46p |
| 310 |  |  |  |  |  |  |


| Jul 19 | 3:10a | 5:04a | 1:22p | 6:50p | 9:32p | 10:44p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:12a | 5:06a | 1:22p | 6:49p | 9:31p | 10:43p |
| Jul 21 | 3:14a | 5:07a | 1:22p | 6:49p | 9:29p | 10:41p |
| Jul 22 | 3:16a | 5:09a | 1:22p | 6:48p | 9:28p | 10:39p |
| Jul 23 | 3:17a | 5:10a | 1:22p | 6:47p | 9:26p | 10:37p |
| Jul 24 | 3:19a | 5:12a | 1:22p | 6:46p | 9:25p | 10:36p |
| Jul 25 | 3:21a | 5:13a | 1:22p | 6:45p | 9:23p | 10:34p |
| Jul 26 | 3:23a | 5:15a | 1:22p | 6:45p | 9:22p | 10:32p |
| Jul 27 | 3:25a | 5:16a | 1:22p | 6:44p | 9:20p | 10:30p |
| Jul 28 | 3:27a | 5:18a | 1:22p | 6:43p | 9:19p | 10:28p |
| Jul 29 | 3:29a | 5:19a | 1:22p | 6:42p | 9:17p | 10:26p |
| Jul 30 | 3:31a | 5:21a | 1:22p | 6:41p | 9:15p | 10:24p |
| Jul 31 | 3:33a | 5:23a | 1:22p | 6:40p | 9:13p | 10:22p |
| Aug 1 | 3:35a | 5:24a | 1:22p | 6:39p | 9:12p | 10:20p |
| Aug 2 | 3:37a | 5:26a | 1:22p | 6:38p | 9:10p | 10:18p |
| Aug 3 | 3:39a | 5:28a | 1:22p | 6:36p | 9:08p | 10:15p |
| Aug 4 | 3:41a | 5:29a | 1:22p | 6:35p | 9:06p | 10:13p |
| Aug 5 | 3:43a | 5:31a | 1:22p | 6:34p | 9:04p | 10:11p |
| Aug 6 | 3:45a | 5:33a | 1:22p | 6:33p | 9:02p | 10:09p |
| Aug 7 | 3:47a | 5:35a | 1:22p | 6:32p | 9:00p | 10:06p |
| Aug 8 | 3:49a | 5:36a | 1:22p | 6:30p | 8:58p | 10:05p |
| Aug 9 | 3:51a | 5:38a | 1:21p | 6:29p | 8:56p | 10:03p |
| Aug 10 | 3:53a | 5:40a | 1:21p | 6:28p | 8:54p | 10:01p |
| Aug 11 | 3:55a | 5:42a | 1:21p | 6:26p | 8:52p | 9:59p |
| Aug 12 | 3:57a | 5:43a | 1:21p | 6:25p | 8:50p | 9:58p |
| Aug 13 | 3:59a | 5:45a | 1:21p | 6:24p | 8:48p | 9:56p |
| Aug 14 | 4:01a | 5:47a | 1:21p | 6:22p | 8:46p | 9:54p |
| Aug 15 | 4:03a | 5:49a | 1:20p | 6:21p | 8:44p | 9:52p |
| Aug 16 | 4:05a | 5:50a | 1:20p | 6:19p | 8:42p | 9:50p |
| Aug 17 | 4:07a | 5:52a | 1:20p | 6:18p | 8:40p | 9:48p |
| Aug 18 | 4:09a | 5:54a | 1:20p | 6:16p | 8:37p | 9:46p |
| Aug 19 | 4:11a | 5:56a | 1:20p | 6:15p | 8:35p | 9:44p |
| Aug 20 | 4:13a | 5:57a | 1:19p | 6:13p | 8:33p | 9:42p |
| Aug 21 | 4:15a | 5:59a | 1:19p | 6:12p | 8:31p | 9:40p |


| Aug 22 | 4:17a | 6:01a | 1:19p | 6:10p | 8:28p | 9:38p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:20a | 6:03a | 1:19p | 6:08p | 8:26p | 9:36p |
| Aug 24 | 4:22a | 6:04a | 1:18p | 6:07p | 8:24p | 9:34p |
| Aug 25 | 4:24a | 6:06a | 1:18p | 6:05p | 8:22p | 9:32p |
| Aug 26 | 4:26a | 6:08a | 1:18p | 6:03p | 8:19p | 9:30p |
| Aug 27 | 4:28a | 6:10a | 1:18p | 6:02p | 8:17p | 9:28p |
| Aug 28 | 4:30a | 6:11a | 1:17p | 6:00p | 8:15p | 9:26p |
| Aug 29 | 4:32a | 6:13a | 1:17p | 5:58p | 8:12p | 9:24p |
| Aug 30 | 4:34a | 6:15a | 1:17p | 5:56p | 8:10p | 9:22p |
| Aug 31 | 4:36a | 6:17a | 1:16p | 5:55p | 8:07p | 9:19p |
| Sep 1 | 4:38a | 6:19a | 1:16p | 5:53p | 8:05p | 9:17p |
| Sep 2 | 4:40a | 6:20a | 1:16p | 5:51p | 8:03p | 9:15p |
| Sep 3 | 4:42a | 6:22a | 1:15p | 5:49p | 8:00p | 9:13p |
| Sep 4 | 4:44a | 6:24a | 1:15p | 5:47p | 7:58p | 9:11p |
| Sep 5 | 4:46a | 6:26a | 1:15p | 5:45p | 7:55p | 9:09p |
| Sep 6 | 4:48a | 6:27a | 1:14p | 5:43p | 7:53p | 9:06p |
| Sep 7 | 4:51a | 6:29a | 1:14p | 5:41p | 7:51p | 9:04p |
| Sep 8 | 4:53a | 6:31a | 1:14p | 5:40p | 7:48p | 9:02p |
| Sep 9 | 4:55a | 6:33a | 1:13p | 5:38p | 7:46p | 9:00p |
| Sep 10 | 4:57a | 6:34a | 1:13p | 5:36p | 7:43p | 8:58p |
| Sep 11 | 4:59a | 6:36a | 1:13p | 5:34p | 7:41p | 8:55p |
| Sep 12 | 5:01a | 6:38a | 1:12p | 5:32p | 7:38p | 8:53p |
| Sep 13 | 5:03a | 6:40a | 1:12p | 5:30p | 7:36p | 8:51p |
| Sep 14 | 5:05a | 6:41a | 1:12p | 5:28p | 7:33p | 8:49p |
| Sep 15 | 5:07a | 6:43a | 1:11p | 5:26p | 7:31p | 8:47p |
| Sep 16 | 5:09a | 6:45a | 1:11p | 5:24p | 7:28p | 8:44p |
| Sep 17 | 5:11a | 6:47a | 1:11p | 5:21p | 7:26p | 8:42p |
| Sep 18 | 5:13a | 6:49a | 1:10p | 5:19p | 7:23p | 8:40p |
| Sep 19 | 5:15a | 6:50a | 1:10p | 5:17p | 7:21p | 8:38p |
| Sep 20 | 5:17a | 6:52a | 1:10p | 5:15p | 7:18p | 8:35p |
| Sep 21 | 5:20a | 6:54a | 1:09p | 5:13p | 7:16p | 8:33p |
| Sep 22 | 5:22a | 6:56a | 1:09p | 5:11p | 7:14p | 8:31p |
| Sep 23 | 5:23a | 6:57a | 1:08p | 5:09p | 7:11p | 8:29p |
| Sep 24 | 5:25a | 6:59a | 1:08p | 5:07p | 7:09p | 8:27p |


| Sep 25 | 5:27a | 7:01a | 1:08p | 5:05p | 7:06p | 8:24p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:28a | 7:03a | 1:07p | 5:03p | 7:04p | 8:22p |
| Sep 27 | 5:30a | 7:04a | 1:07p | 5:01p | 7:01p | 8:20p |
| Sep 28 | 5:32a | 7:06a | 1:07p | 4:58p | 6:59p | 8:18p |
| Sep 29 | 5:33a | 7:08a | 1:06p | 4:56p | 6:56p | 8:15p |
| Sep 30 | 5:35a | 7:10a | 1:06p | 4:54p | 6:54p | 8:13p |
| Oct 1 | 5:37a | 7:12a | 1:06p | 4:52p | 6:51p | 8:11p |
| Oct 2 | 5:38a | 7:13a | 1:05p | 4:50p | 6:49p | 8:09p |
| Oct 3 | 5:40a | 7:15a | 1:05p | 4:48p | 6:47p | 8:07p |
| Oct 4 | 5:42a | 7:17a | 1:05p | 4:46p | 6:44p | 8:05p |
| Oct 5 | 5:44a | 7:19a | 1:04p | 4:43p | 6:42p | 8:02p |
| Oct 6 | 5:45a | 7:21a | 1:04p | 4:41p | 6:39p | 8:00p |
| Oct 7 | 5:47a | 7:23a | 1:04p | 4:39p | 6:37p | 7:58p |
| Oct 8 | 5:49a | 7:24a | 1:04p | 4:37p | 6:34p | 7:56p |
| Oct 9 | 5:51a | 7:26a | 1:03p | 4:35p | 6:32p | 7:54p |
| Oct 10 | 5:52a | 7:28a | 1:03p | 4:33p | 6:30p | 7:52p |
| Oct 11 | 5:54a | 7:30a | 1:03p | 4:31p | 6:27p | 7:49p |
| Oct 12 | 5:56a | 7:32a | 1:03p | 4:28p | 6:25p | 7:47p |
| Oct 13 | 5:58a | 7:34a | 1:02p | 4:26p | 6:23p | 7:45p |
| Oct 14 | 5:59a | 7:36a | 1:02p | 4:24p | 6:20p | 7:43p |
| Oct 15 | 6:01a | 7:37a | 1:02p | 4:22p | 6:18p | 7:41p |
| Oct 16 | 6:03a | 7:39a | 1:02p | 4:20p | 6:16p | 7:39p |
| Oct 17 | 6:05a | 7:41a | 1:01p | 4:18p | 6:13p | 7:37p |
| Oct 18 | 6:06a | 7:43a | 1:01p | $4: 16 p$ | 6:11p | 7:35p |
| Oct 19 | 6:08a | 7:45a | 1:01p | $4: 14 \mathrm{p}$ | 6:09p | 7:33p |
| Oct 20 | 6:10a | 7:47a | 1:01p | $4: 12 \mathrm{p}$ | 6:07p | 7:31p |
| Oct 21 | 6:12a | 7:49a | 1:01p | 4:10p | 6:04p | 7:29p |
| Oct 22 | 6:14a | 7:51a | 1:00p | 4:08p | 6:02p | 7:27p |
| Oct 23 | 6:15a | 7:53a | 1:00p | 4:06p | 6:00p | 7:25p |
| Oct 24 | 6:17a | 7:54a | 1:00p | 4:04p | 5:58p | 7:23p |
| Oct 25 | 6:19a | 7:56a | 1:00p | 4:02p | 5:56p | 7:21p |
| Oct 26 | 6:21a | 7:58a | 1:00p | 4:00p | 5:54p | 7:19p |
| Oct 27 | 6:23a | 8:00a | 1:00p | 3:58p | 5:51p | 7:18p |
| Oct 28 | 5:25a | 7:02a | 12:00n | 2:56p | 4:49p | 6:16p |


| Oct 29 | 5:26a | 7:04a | 12:00n | 2:54p | 4:47p | 6:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:28a | 7:06a | 12:00n | 2:52p | 4:45p | 6:12p |
| Oct 31 | 5:30a | 7:08a | 11:59a | 2:50p | 4:43p | 6:10p |
| Nov 1 | 5:32a | 7:10a | 11:59a | 2:48p | 4:41p | 6:09p |
| Nov 2 | 5:34a | 7:12a | 11:59a | 2:46p | 4:39p | 6:07p |
| Nov 3 | 5:36a | 7:14a | 11:59a | 2:44p | 4:37p | 6:05p |
| Nov 4 | 5:37a | 7:16a | 11:59a | 2:42p | 4:35p | 6:03p |
| Nov 5 | 5:39a | 7:18a | 11:59a | 2:41p | 4:33p | 6:02p |
| Nov 6 | 5:41a | 7:20a | 11:59a | 2:39p | 4:32p | 6:00p |
| Nov 7 | 5:43a | 7:21a | 11:59a | 2:37p | 4:30p | 5:59p |
| Nov 8 | 5:45a | 7:23a | 11:59a | 2:35p | 4:28p | 5:57p |
| Nov 9 | 5:47a | 7:25a | 12:00n | 2:34p | 4:26p | 5:56p |
| Nov 10 | 5:48a | 7:27a | 12:00n | 2:32p | 4:24p | 5:54p |
| Nov 11 | 5:50a | 7:29a | 12:00n | 2:31p | 4:23p | 5:53p |
| Nov 12 | 5:52a | 7:31a | 12:00n | 2:29p | 4:21p | 5:51p |
| Nov 13 | 5:54a | 7:33a | 12:00n | 2:27p | 4:19p | 5:50p |
| Nov 14 | 5:56a | 7:35a | 12:00n | 2:26p | 4:18p | 5:48p |
| Nov 15 | 5:57a | 7:37a | 12:00n | 2:25p | 4:16p | 5:47p |
| Nov 16 | 5:59a | 7:39a | 12:00n | 2:23p | 4:15p | 5:46p |
| Nov 17 | 6:01a | 7:40a | 12:01p | 2:22p | 4:13p | 5:45p |
| Nov 18 | 6:03a | 7:42a | 12:01p | 2:20p | 4:12p | 5:43p |
| Nov 19 | 6:04a | 7:44a | 12:01p | 2:19p | 4:11p | 5:42p |
| Nov 20 | 6:06a | 7:46a | 12:01p | 2:18p | 4:09p | 5:41p |
| Nov 21 | 6:08a | 7:48a | 12:01p | 2:17p | 4:08p | 5:40p |
| Nov 22 | 6:10a | 7:50a | 12:02p | 2:15p | 4:07p | 5:39p |
| Nov 23 | 6:11a | 7:51a | 12:02p | 2:14p | 4:05p | 5:38p |
| Nov 24 | 6:13a | 7:53a | 12:02p | 2:13p | 4:04p | 5:37p |
| Nov 25 | 6:14a | 7:55a | 12:03p | 2:12p | 4:03p | 5:36p |
| Nov 26 | 6:16a | 7:56a | 12:03p | 2:11p | 4:02p | 5:36p |
| Nov 27 | 6:18a | 7:58a | 12:03p | 2:10p | 4:01p | 5:35p |
| Nov 28 | 6:19a | 8:00a | 12:03p | 2:09p | 4:00p | 5:34p |
| Nov 29 | 6:21a | 8:01a | 12:04p | 2:08p | 3:59p | 5:34p |
| Nov 30 | 6:22a | 8:03a | 12:04p | 2:08p | 3:58p | 5:33p |
| Dec 1 | 6:24a | 8:04a | 12:05p | 2:07p | 3:58p | 5:32p |


| Dec 2 | 6:25a | 8:06a | 12:05p | 2:06p | 3:57p | 5:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:26a | 8:07a | 12:05p | 2:06p | 3:56p | 5:31p |
| Dec 4 | 6:28a | 8:09a | 12:06p | 2:05p | 3:56p | 5:31p |
| Dec 5 | 6:29a | 8:10a | 12:06p | 2:04p | 3:55p | 5:31p |
| Dec 6 | 6:30a | 8:12a | 12:06p | 2:04p | 3:55p | 5:31p |
| Dec 7 | 6:31a | 8:13a | 12:07p | 2:04p | 3:54p | 5:30p |
| Dec 8 | 6:33a | 8:14a | 12:07p | 2:03p | 3:54p | 5:30p |
| Dec 9 | 6:34a | 8:15a | 12:08p | 2:03p | 3:53p | 5:30p |
| Dec 10 | 6:35a | 8:17a | 12:08p | 2:03p | 3:53p | 5:30p |
| Dec 11 | 6:36a | 8:18a | 12:09p | 2:02p | 3:53p | 5:30p |
| Dec 12 | 6:37a | 8:19a | 12:09p | 2:02p | 3:53p | 5:30p |
| Dec 13 | 6:38a | 8:20a | 12:10p | 2:02p | 3:53p | 5:30p |
| Dec 14 | 6:39a | 8:21a | 12:10p | 2:02p | 3:53p | 5:31p |
| Dec 15 | 6:39a | 8:22a | 12:11p | 2:02p | 3:53p | 5:31p |
| Dec 16 | 6:40a | 8:23a | 12:11p | 2:02p | 3:53p | 5:31p |
| Dec 17 | 6:41a | 8:23a | 12:11p | 2:03p | 3:53p | 5:32p |
| Dec 18 | 6:42a | 8:24a | 12:12p | 2:03p | 3:53p | 5:32p |
| Dec 19 | 6:42a | 8:25a | 12:12p | 2:03p | 3:54p | 5:32p |
| Dec 20 | 6:43a | 8:26a | 12:13p | 2:03p | 3:54p | 5:32p |
| Dec 21 | 6:43a | 8:26a | 12:13p | 2:04p | 3:54p | 5:33p |
| Dec 22 | 6:44a | 8:27a | 12:14p | 2:04p | 3:55p | 5:33p |
| Dec 23 | 6:44a | 8:27a | 12:14p | 2:05p | 3:55p | 5:34p |
| Dec 24 | 6:45a | 8:27a | 12:15p | 2:05p | 3:56p | 5:35p |
| Dec 25 | 6:45a | 8:28a | 12:15p | 2:06p | 3:57p | 5:35p |
| Dec 26 | 6:45a | 8:28a | 12:16p | 2:07p | 3:57p | 5:36p |
| Dec 27 | 6:46a | 8:28a | 12:16p | 2:07p | 3:58p | 5:37p |
| Dec 28 | 6:46a | 8:28a | 12:17p | 2:08p | 3:59p | 5:38p |
| Dec 29 | 6:46a | 8:29a | 12:17p | 2:09p | 4:00p | 5:38p |
| Dec 30 | 6:46a | 8:29a | 12:18p | 2:10p | 4:01p | 5:39p |
| Dec 31 | 6:46a | 8:29a | 12:18p | 2:11p | 4:02p | 5:40p |

Qiblah Compass=122:11E(2006.91)Qiblah from True North =119:12E

| DATE | Fajr |
| :---: | :---: |
| Jan 1 | $6: 40 \mathrm{a}$ |
| Jan 2 | $6: 40 \mathrm{a}$ |
| Jan 3 | $6: 40 \mathrm{a}$ |
| Jan 4 | $6: 39 \mathrm{a}$ |
| Jan 5 | $6: 39 \mathrm{a}$ |

Jan 6 6:39a
Jan 7 6:38a

| Jan 8 | $6: 38 a$ |
| :--- | :--- |
| Jan 9 | $6: 38 a$ |

Jan 10 6:37a
8:18a 12:18p
Asr(H) Maghrib Isha
Sunrise Zuhr Asr(H) Maghib Isha

| $8: 21 \mathrm{a}$ | $12: 14 \mathrm{p}$ | $2: 10 \mathrm{p}$ | $4: 01 \mathrm{p}$ | $5: 38 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- |
| $8: 21 \mathrm{a}$ | $12: 15 \mathrm{p}$ | $2: 11 \mathrm{p}$ | $4: 02 \mathrm{p}$ | $5: 39 \mathrm{p}$ |

8:21a $12: 15 p \quad 2: 12 p \quad 4: 03 p \quad 5: 40 p$
8:21a $12: 16 p \quad 2: 13 p \quad 4: 04 p \quad 5: 40 p$
8:20a $\quad 12: 16 p \quad 2: 14 p \quad 4: 05 p \quad 5: 41 p$
8:20a $\quad 12: 17 \mathrm{p} \quad 2: 15 \mathrm{p} \quad 4: 07 \mathrm{p} \quad 5: 43 \mathrm{p}$
8:20a $\quad 12: 17 \mathrm{p} \quad 2: 16 \mathrm{p} \quad 4: 08 \mathrm{p} \quad 5: 44 \mathrm{p}$
8:19a $\quad 12: 17 p \quad 2: 18 p \quad 4: 09 p \quad 5: 45 p$
8:18a $\quad 12: 18 p \quad 2: 19 p \quad 4: 11 p \quad 5: 46 p$

| Jan 11 | $6: 36 a$ |
| :--- | :--- |
| Jan 12 | $6: 36 a$ |

Jan 13 6:35a
Jan 14 6:34a
Jan 15 6:33a
Jan 16 6:33a

8:13a 12:20p
2:20p $4: 12 p \quad 5: 47 p$
8:17a $\quad 12: 19 p \quad 2: 22 p \quad 4: 14 p \quad 5: 48 p$
8:16a $\quad 12: 19 \mathrm{p} \quad 2: 23 \mathrm{p}$
8:16a 12:19p 2:25p
4:15p $5: 50 p$

4:17p $\quad 5: 51 \mathrm{p}$
8:15a 12:20p 2:26p 4
$4: 19 p \quad 5: 52 p$
2:28p $4: 20 p \quad 5: 54 p$
2:29p $\quad 4: 22 p \quad 5: 55 p$
Jan 17 6:32a
Jan 18 6:31a
Jan 19 6:30a
8:10a $12: 21 \mathrm{p}$
2:31p
$4: 24 \mathrm{p} \quad 5: 57 \mathrm{p}$
4:25p $\quad 5: 58 p$

| Jan 20 | 6:29a | 8:09a | 12:22p | 2:36p | 4:29p | 6:01p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 21 | 6:28a | 8:07a | 12:22p | 2:38p | 4:31p | 6:03p |
| Jan 22 | 6:26a | 8:06a | 12:22p | 2:39p | 4:32p | 6:04p |
| Jan 23 | 6:25a | 8:05a | 12:23p | 2:41p | 4:34p | 6:06p |
| Jan 24 | 6:24a | 8:04a | 12:23p | 2:43p | 4:36p | 6:08p |
| Jan 25 | 6:23a | 8:02a | 12:23p | 2:44p | 4:38p | 6:09p |
| Jan 26 | 6:21a | 8:01a | 12:23p | 2:46p | 4:40p | 6:11p |
| Jan 27 | 6:20a | 7:59a | 12:24p | 2:48p | 4:42p | 6:12p |
| Jan 28 | 6:19a | 7:58a | 12:24p | 2:50p | 4:44p | 6:14p |
| Jan 29 | 6:17a | 7:56a | 12:24p | 2:52p | 4:46p | 6:16p |


| Jan 30 | 6:16a | 7:55a | 12:24p | 2:53p | 4:47p | 6:17p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:14a | 7:53a | 12:24p | 2:55p | 4:49p | 6:19p |
| Feb 1 | 6:13a | 7:51a | 12:24p | 2:57p | 4:51p | 6:21p |
| Feb 2 | 6:11a | 7:50a | 12:25p | 2:59p | 4:53p | 6:23p |
| Feb 3 | 6:10a | 7:48a | 12:25p | 3:01p | 4:55p | 6:24p |
| Feb 4 | 6:08a | 7:46a | 12:25p | 3:02p | 4:57p | 6:26p |
| Feb 5 | 6:06a | 7:45a | 12:25p | 3:04p | 4:59p | 6:28p |
| Feb 6 | 6:05a | 7:43a | 12:25p | 3:06p | 5:01p | 6:29p |
| Feb 7 | 6:03a | 7:41a | 12:25p | 3:08p | 5:03p | 6:31p |
| Feb 8 | 6:01a | 7:39a | 12:25p | $3: 10 \mathrm{p}$ | 5:05p | 6:33p |
| Feb 9 | 5:59a | 7:37a | 12:25p | $3: 12 \mathrm{p}$ | 5:07p | 6:35p |
| Feb 10 | 5:57a | 7:35a | 12:25p | $3: 13 \mathrm{p}$ | 5:09p | 6:36p |
| Feb 11 | 5:56a | 7:33a | 12:25p | $3: 15 p$ | 5:11p | 6:38p |
| Feb 12 | 5:54a | 7:31a | 12:25p | 3:17p | 5:13p | 6:40p |
| Feb 13 | 5:52a | 7:29a | 12:25p | 3:19p | 5:15p | 6:41p |
| Feb 14 | 5:50a | 7:27a | 12:25p | 3:21p | 5:17p | 6:43p |
| Feb 15 | 5:48a | 7:25a | 12:25p | $3: 23 p$ | 5:19p | 6:45p |
| Feb 16 | 5:46a | 7:23a | 12:25p | 3:24p | 5:21p | 6:47p |
| Feb 17 | 5:44a | 7:21a | 12:25p | 3:26p | 5:23p | 6:48p |
| Feb 18 | 5:42a | 7:19a | 12:25p | 3:28p | 5:25p | 6:50p |
| Feb 19 | 5:40a | 7:17a | 12:25p | 3:30p | 5:27p | 6:52p |
| Feb 20 | 5:38a | 7:15a | 12:25p | 3:32p | 5:29p | 6:53p |
| Feb 21 | 5:36a | 7:12a | 12:25p | 3:33p | 5:31p | 6:55p |
| Feb 22 | 5:34a | 7:10a | 12:25p | 3:35p | 5:33p | 6:57p |
| Feb 23 | 5:32a | 7:08a | 12:24p | 3:37p | 5:35p | 6:59p |
| Feb 24 | 5:29a | 7:06a | 12:24p | 3:39p | 5:36p | 7:00p |
| Feb 25 | 5:27a | 7:04a | 12:24p | 3:40p | 5:38p | 7:02p |
| Feb 26 | 5:25a | 7:01a | 12:24p | 3:42p | 5:40p | 7:04p |
| Feb 27 | 5:23a | 6:59a | 12:24p | $3: 44 \mathrm{p}$ | 5:42p | 7:05p |
| Feb 28 | 5:21a | 6:57a | 12:24p | 3:45p | 5:44p | 7:07p |
| Mar 1 | 5:19a | 6:55a | 12:23p | 3:47p | 5:46p | 7:09p |
| Mar 2 | 5:17a | 6:52a | 12:23p | 3:49p | 5:48p | 7:10p |
| Mar 3 | 5:14a | 6:50a | 12:23p | 3:51p | 5:50p | 7:12p |
| Mar 4 | 5:12a | 6:48a | 12:23p | 3:52p | 5:52p | 7:14p |


| Mar 5 | 5:10a | 6:45a | 12:23p | 3:54p | 5:54p | 7:15p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:08a | 6:43a | 12:22p | 3:55p | 5:56p | 7:17p |
| Mar 7 | 5:05a | 6:41a | 12:22p | 3:57p | 5:57p | 7:19p |
| Mar 8 | 5:03a | 6:38a | 12:22p | 3:59p | 5:59p | 7:20p |
| Mar 9 | 5:01a | 6:36a | 12:22p | 4:00p | 6:01p | 7:22p |
| Mar 10 | 4:59a | 6:34a | 12:21p | 4:02p | 6:03p | 7:23p |
| Mar 11 | 4:56a | 6:31a | 12:21p | 4:03p | 6:05p | 7:25p |
| Mar 12 | 4:54a | 6:29a | 12:21p | 4:05p | 6:07p | 7:27p |
| Mar 13 | 4:52a | 6:26a | 12:21p | 4:07p | 6:09p | 7:28p |
| Mar 14 | 4:49a | 6:24a | 12:20p | 4:08p | 6:11p | 7:30p |
| Mar 15 | 4:47a | 6:22a | 12:20p | 4:10p | 6:12p | 7:31p |
| Mar 16 | 4:45a | 6:19a | 12:20p | 4:11p | 6:14p | 7:33p |
| Mar 17 | 4:42a | 6:17a | 12:20p | 4:13p | 6:16p | 7:35p |
| Mar 18 | 4:40a | 6:14a | 12:19p | 4:14p | 6:18p | 7:36p |
| Mar 19 | 4:38a | 6:12a | 12:19p | 4:16p | 6:20p | 7:38p |
| Mar 20 | 4:36a | 6:10a | 12:19p | 4:17p | 6:22p | 7:39p |
| Mar 21 | 4:33a | 6:07a | 12:18p | 4:19p | 6:23p | 7:41p |
| Mar 22 | 4:31a | 6:05a | 12:18p | 4:20p | 6:25p | 7:43p |
| Mar 23 | 4:28a | 6:02a | 12:18p | 4:22p | 6:27p | 7:44p |
| Mar 24 | 4:25a | 6:00a | 12:18p | 4:23p | 6:29p | 7:46p |
| Mar 25 | 5:23a | 6:58a | 1:17p | 5:24p | 7:31p | 8:47p |
| Mar 26 | 5:20a | 6:55a | 1:17p | 5:26p | 7:33p | 8:49p |
| Mar 27 | 5:17a | 6:53a | 1:17p | 5:27p | 7:34p | 8:51p |
| Mar 28 | 5:15a | 6:50a | 1:16p | 5:29p | 7:36p | 8:52p |
| Mar 29 | 5:12a | 6:48a | 1:16p | 5:30p | 7:38p | 8:54p |
| Mar 30 | 5:09a | 6:45a | 1:16p | 5:31p | 7:40p | 8:55p |
| Mar 31 | 5:06a | 6:43a | 1:15p | 5:33p | 7:42p | 8:57p |
| Apr 1 | 5:04a | 6:41a | 1:15p | 5:34p | 7:44p | 8:58p |
| Apr 2 | 5:01a | 6:38a | 1:15p | 5:35p | 7:45p | 9:00p |
| Apr 3 | 4:58a | 6:36a | 1:15p | 5:37p | 7:47p | 9:02p |
| Apr 4 | 4:56a | 6:33a | 1:14p | 5:38p | 7:49p | 9:03p |
| Apr 5 | 4:53a | 6:31a | 1:14p | 5:39p | 7:51p | 9:05p |
| Apr 6 | 4:50a | 6:29a | 1:14p | 5:41p | 7:53p | 9:06p |
| Apr 7 | 4:48a | 6:26a | 1:13p | 5:42p | 7:54p | 9:08p |
| 318 |  |  |  |  |  |  |


| Apr 8 | 4:45a | 6:24a | 1:13p | 5:43p | 7:56p | 9:09p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:42a | 6:21a | 1:13p | 5:45p | 7:58p | 9:11p |
| Apr 10 | 4:40a | 6:19a | 1:13p | 5:46p | 8:00p | 9:13p |
| Apr 11 | 4:37a | 6:17a | 1:12p | 5:47p | 8:02p | 9:14p |
| Apr 12 | 4:34a | 6:14a | 1:12p | 5:48p | 8:03p | 9:16p |
| Apr 13 | 4:32a | 6:12a | 1:12p | 5:50p | 8:05p | 9:17p |
| Apr 14 | 4:29a | 6:10a | 1:11p | 5:51p | 8:07p | 9:19p |
| Apr 15 | 4:26a | 6:07a | 1:11p | 5:52p | 8:09p | 9:20p |
| Apr 16 | 4:24a | 6:05a | 1:11p | 5:53p | 8:11p | 9:22p |
| Apr 17 | 4:21a | 6:03a | 1:11p | 5:55p | 8:13p | 9:23p |
| Apr 18 | 4:19a | 6:01a | 1:11p | 5:56p | 8:14p | 9:25p |
| Apr 19 | 4:16a | 5:58a | 1:10p | 5:57p | 8:16p | 9:27p |
| Apr 20 | 4:14a | 5:56a | 1:10p | 5:58p | 8:18p | 9:28p |
| Apr 21 | 4:11a | 5:54a | 1:10p | 5:59p | 8:20p | 9:30p |
| Apr 22 | 4:09a | 5:52a | 1:10p | 6:01p | 8:22p | 9:31p |
| Apr 23 | 4:06a | 5:50a | 1:09p | 6:02p | 8:23p | 9:33p |
| Apr 24 | 4:04a | 5:47a | 1:09p | 6:03p | 8:25p | 9:34p |
| Apr 25 | 4:01a | 5:45a | 1:09p | 6:04p | 8:27p | 9:36p |
| Apr 26 | 3:59a | 5:43a | 1:09p | 6:05p | 8:29p | 9:38p |
| Apr 27 | 3:56a | 5:41a | 1:09p | 6:06p | 8:31p | 9:39p |
| Apr 28 | 3:54a | 5:39a | 1:09p | 6:07p | 8:32p | 9:41p |
| Apr 29 | 3:51a | 5:37a | 1:08p | 6:09p | 8:34p | 9:42p |
| Apr 30 | 3:49a | 5:35a | 1:08p | 6:10p | 8:36p | 9:44p |
| May 1 | 3:47a | 5:33a | 1:08p | 6:11p | 8:38p | 9:45p |
| May 2 | 3:44a | 5:31a | 1:08p | 6:12p | 8:40p | 9:47p |
| May 3 | 3:42a | 5:29a | 1:08p | 6:13p | 8:41p | 9:48p |
| May 4 | 3:40a | 5:27a | 1:08p | 6:14p | 8:43p | 9:50p |
| May 5 | 3:38a | 5:25a | 1:08p | 6:15p | 8:45p | 9:51p |
| May 6 | 3:35a | 5:23a | 1:08p | 6:16p | 8:47p | 9:53p |
| May 7 | 3:33a | 5:21a | 1:08p | 6:17p | 8:48p | 9:54p |
| May 8 | 3:31a | 5:19a | 1:08p | 6:18p | 8:50p | 9:57p |
| May 9 | 3:29a | 5:17a | 1:07p | 6:19p | 8:52p | 9:59p |
| May 10 | 3:27a | 5:15a | 1:07p | 6:20p | 8:54p | 10:01p |
| May 11 | 3:25a | 5:14a | 1:07p | 6:21p | 8:55p | 10:03p |


| May 12 | 3:23a | 5:12a | 1:07p | 6:22p | 8:57p | 10:05p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:21a | 5:10a | 1:07p | 6:23p | 8:59p | 10:07p |
| May 14 | 3:19a | 5:08a | 1:07p | 6:24p | 9:00p | 10:09p |
| May 15 | 3:17a | 5:07a | 1:07p | 6:25p | 9:02p | 10:11p |
| May 16 | 3:15a | 5:05a | 1:07p | 6:26p | 9:04p | 10:13p |
| May 17 | 3:13a | 5:04a | 1:07p | 6:27p | 9:05p | 10:14p |
| May 18 | 3:11a | 5:02a | 1:07p | 6:28p | 9:07p | 10:16p |
| May 19 | 3:09a | 5:01a | 1:07p | 6:29p | 9:08p | 10:18p |
| May 20 | 3:07a | 4:59a | 1:07p | 6:30p | 9:10p | 10:20p |
| May 21 | 3:06a | 4:58a | 1:08p | 6:31p | 9:11p | 10:22p |
| May 22 | 3:04a | 4:56a | 1:08p | 6:32p | 9:13p | 10:24p |
| May 23 | 3:02a | 4:55a | 1:08p | 6:33p | 9:14p | 10:26p |
| May 24 | 3:01a | 4:54a | 1:08p | 6:34p | 9:16p | 10:27p |
| May 25 | 2:59a | 4:52a | 1:08p | 6:34p | 9:17p | 10:29p |
| May 26 | 2:58a | 4:51a | 1:08p | 6:35p | 9:19p | 10:31p |
| May 27 | 2:56a | 4:50a | 1:08p | 6:36p | 9:20p | 10:33p |
| May 28 | 2:55a | 4:49a | 1:08p | 6:37p | 9:21p | 10:34p |
| May 29 | 2:53a | 4:48a | 1:08p | 6:38p | 9:23p | 10:36p |
| May 30 | 2:52a | 4:47a | 1:08p | 6:38p | 9:24p | 10:38p |
| May 31 | 2:51a | 4:46a | 1:09p | 6:39p | 9:25p | 10:39p |
| Jun 1 | 2:49a | 4:45a | 1:09p | 6:40p | 9:26p | 10:41p |
| Jun 2 | 2:48a | 4:44a | 1:09p | 6:41p | 9:28p | 10:42p |
| Jun 3 | 2:47a | 4:43a | 1:09p | 6:41p | 9:29p | 10:44p |
| Jun 4 | 2:46a | 4:42a | 1:09p | 6:42p | 9:30p | 10:45p |
| Jun 5 | 2:45a | 4:42a | 1:09p | 6:43p | 9:31p | 10:46p |
| Jun 6 | 2:44a | 4:41a | 1:10p | 6:43p | 9:32p | 10:48p |
| Jun 7 | 2:43a | 4:40a | 1:10p | 6:44p | 9:33p | 10:49p |
| Jun 8 | 2:42a | 4:40a | 1:10p | 6:44p | 9:34p | 10:50p |
| Jun 9 | 2:41a | 4:39a | 1:10p | 6:45p | 9:35p | 10:51p |
| Jun 10 | 2:41a | 4:39a | 1:10p | 6:45p | 9:35p | 10:53p |
| Jun 11 | 2:40a | 4:38a | 1:10p | 6:46p | 9:36p | 10:54p |
| Jun 12 | 2:39a | 4:38a | 1:11p | 6:46p | 9:37p | 10:55p |
| Jun 13 | 2:39a | 4:38a | 1:11p | 6:47p | 9:38p | 10:56p |
| Jun 14 | 2:38a | 4:37a | 1:11p | 6:47p | 9:38p | 10:57p |


| Jun 15 | 2:38a | 4:37a | 1:11p | 6:48p | 9:39p | 10:58p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:37a | 4:37a | 1:12p | 6:48p | 9:39p | 10:58p |
| Jun 17 | 2:37a | 4:37a | 1:12p | 6:48p | 9:40p | 10:59p |
| Jun 18 | 2:37a | 4:37a | 1:12p | 6:49p | 9:40p | 11:00p |
| Jun 19 | 2:36a | 4:37a | 1:12p | 6:49p | 9:41p | 11:01p |
| Jun 20 | 2:36a | 4:37a | 1:12p | 6:49p | 9:41p | 11:01p |
| Jun 21 | 2:36a | 4:37a | 1:13p | 6:50p | 9:41p | 11:02p |
| Jun 22 | 2:36a | 4:38a | 1:13p | 6:50p | 9:41p | 11:02p |
| Jun 23 | 2:36a | 4:38a | 1:13p | 6:50p | 9:41p | 11:02p |
| Jun 24 | 2:37a | 4:38a | 1:13p | 6:50p | 9:41p | 11:02p |
| Jun 25 | 2:38a | 4:39a | 1:13p | 6:50p | 9:41p | 11:01p |
| Jun 26 | 2:38a | 4:39a | 1:14p | 6:51p | 9:41p | 11:01p |
| Jun 27 | 2:39a | 4:39a | 1:14p | 6:51p | 9:41p | 11:01p |
| Jun 28 | 2:40a | 4:40a | 1:14p | 6:51p | 9:41p | 11:00p |
| Jun 29 | 2:41a | 4:41a | 1:14p | 6:51p | 9:41p | 11:00p |
| Jun 30 | 2:42a | 4:41a | 1:14p | 6:51p | 9:41p | 10:59p |
| Jul 1 | 2:43a | 4:42a | 1:15p | 6:51p | 9:40p | 10:58p |
| Jul 2 | 2:44a | 4:43a | 1:15p | 6:51p | 9:40p | 10:58p |
| Jul 3 | 2:45a | 4:43a | 1:15p | 6:50p | 9:40p | 10:57p |
| Jul 4 | 2:46a | 4:44a | 1:15p | 6:50p | 9:39p | 10:56p |
| Jul 5 | 2:47a | 4:45a | 1:15p | 6:50p | 9:38p | 10:55p |
| Jul 6 | 2:49a | 4:46a | 1:16p | 6:50p | 9:38p | 10:54p |
| Jul 7 | 2:50a | 4:47a | 1:16p | 6:50p | 9:37p | 10:53p |
| Jul 8 | 2:51a | 4:48a | 1:16p | 6:49p | 9:36p | 10:52p |
| Jul 9 | 2:53a | 4:49a | 1:16p | 6:49p | 9:36p | 10:51p |
| Jul 10 | 2:54a | 4:50a | 1:16p | 6:49p | 9:35p | 10:50p |
| Jul 11 | 2:55a | 4:51a | 1:16p | 6:48p | 9:34p | 10:49p |
| Jul 12 | 2:57a | 4:52a | 1:17p | 6:48p | 9:33p | 10:48p |
| Jul 13 | 2:58a | 4:54a | 1:17p | 6:48p | 9:32p | 10:46p |
| Jul 14 | 3:00a | 4:55a | 1:17p | 6:47p | 9:31p | 10:45p |
| Jul 15 | 3:01a | 4:56a | 1:17p | 6:47p | 9:30p | 10:43p |
| Jul 16 | 3:03a | 4:57a | 1:17p | 6:46p | 9:29p | 10:42p |
| Jul 17 | 3:05a | 4:59a | 1:17p | 6:46p | 9:28p | 10:41p |
| Jul 18 | 3:06a | 5:00a | 1:17p | 6:45p | 9:26p | 10:39p |


| Jul 19 | 3:08a | 5:01a | 1:17p | 6:44p | 9:25p | 10:37p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:10a | 5:03a | 1:17p | 6:44p | 9:24p | 10:36p |
| Jul 21 | 3:11a | 5:04a | 1:17p | 6:43p | 9:23p | 10:34p |
| Jul 22 | 3:13a | 5:06a | 1:17p | 6:42p | 9:21p | 10:32p |
| Jul 23 | 3:15a | 5:07a | 1:17p | 6:41p | 9:20p | 10:31p |
| Jul 24 | 3:17a | 5:09a | 1:17p | 6:41p | $9: 18 \mathrm{p}$ | 10:29p |
| Jul 25 | 3:18a | 5:10a | 1:18p | 6:40p | 9:17p | 10:27p |
| Jul 26 | 3:20a | 5:12a | 1:18p | 6:39p | 9:15p | 10:25p |
| Jul 27 | 3:22a | 5:13a | 1:18p | 6:38p | 9:14p | 10:23p |
| Jul 28 | 3:24a | 5:15a | 1:18p | 6:37p | 9:12p | 10:21p |
| Jul 29 | 3:26a | 5:16a | 1:17p | 6:36p | 9:10p | 10:19p |
| Jul 30 | 3:28a | 5:18a | 1:17p | 6:35p | 9:09p | 10:17p |
| Jul 31 | 3:30a | 5:20a | 1:17p | 6:34p | 9:07p | 10:15p |
| Aug 1 | 3:32a | 5:21a | 1:17p | 6:33p | 9:05p | 10:13p |
| Aug 2 | 3:34a | 5:23a | 1:17p | 6:32p | 9:04p | 10:11p |
| Aug 3 | 3:36a | 5:25a | 1:17p | 6:31p | 9:02p | 10:09p |
| Aug 4 | 3:38a | 5:26a | 1:17p | 6:30p | 9:00p | 10:07p |
| Aug 5 | 3:40a | 5:28a | 1:17p | 6:29p | 8:58p | 10:05p |
| Aug 6 | 3:42a | 5:30a | 1:17p | 6:28p | 8:56p | 10:03p |
| Aug 7 | 3:43a | 5:31a | 1:17p | 6:26p | $8: 54 \mathrm{p}$ | 10:00p |
| Aug 8 | 3:46a | 5:33a | 1:17p | 6:25p | 8:52p | 9:59p |
| Aug 9 | 3:48a | 5:35a | 1:17p | 6:24p | 8:50p | 9:57p |
| Aug 10 | 3:50a | 5:36a | 1:16p | 6:23p | 8:48p | 9:55p |
| Aug 11 | 3:52a | 5:38a | 1:16p | 6:21p | 8:46p | 9:53p |
| Aug 12 | 3:54a | 5:40a | 1:16p | 6:20p | 8:44p | 9:52p |
| Aug 13 | 3:56a | 5:42a | 1:16p | 6:19p | 8:42p | 9:50p |
| Aug 14 | 3:58a | 5:43a | 1:16p | 6:17p | 8:40p | 9:48p |
| Aug 15 | 4:00a | 5:45a | 1:16p | 6:16p | 8:38p | 9:46p |
| Aug 16 | 4:02a | 5:47a | 1:15p | 6:14p | 8:36p | 9:44p |
| Aug 17 | 4:04a | 5:48a | 1:15p | 6:13p | 8:34p | 9:42p |
| Aug 18 | 4:06a | 5:50a | 1:15p | 6:11p | 8:31p | 9:40p |
| Aug 19 | 4:08a | 5:52a | 1:15p | 6:10p | 8:29p | 9:38p |
| Aug 20 | 4:10a | 5:54a | 1:15p | 6:08p | 8:27p | 9:36p |
| Aug 21 | 4:12a | 5:55a | 1:14p | 6:07p | 8:25p | 9:34p |


| Aug 22 | 4:14a | 5:57a | 1:14p | 6:05p | 8:23p | 9:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:16a | 5:59a | 1:14p | 6:03p | 8:20p | 9:30p |
| Aug 24 | 4:18a | 6:01a | 1:14p | 6:02p | 8:18p | 9:28p |
| Aug 25 | 4:20a | 6:02a | 1:13p | 6:00p | 8:16p | 9:26p |
| Aug 26 | 4:22a | 6:04a | 1:13p | 5:58p | 8:14p | 9:24p |
| Aug 27 | 4:24a | 6:06a | 1:13p | 5:57p | 8:11p | 9:22p |
| Aug 28 | 4:26a | 6:07a | 1:12p | 5:55p | 8:09p | 9:20p |
| Aug 29 | 4:28a | 6:09a | 1:12p | 5:53p | 8:07p | 9:18p |
| Aug 30 | 4:30a | 6:11a | 1:12p | 5:51p | 8:04p | 9:16p |
| Aug 31 | 4:32a | 6:13a | 1:12p | 5:50p | 8:02p | 9:14p |
| Sep 1 | 4:34a | 6:14a | 1:11p | 5:48p | 8:00p | 9:12p |
| Sep 2 | 4:36a | 6:16a | 1:11p | 5:46p | 7:57p | 9:10p |
| Sep 3 | 4:38a | 6:18a | 1:11p | 5:44p | 7:55p | 9:08p |
| Sep 4 | 4:40a | 6:20a | 1:10p | 5:42p | 7:52p | 9:05p |
| Sep 5 | 4:42a | 6:21a | 1:10p | 5:41p | 7:50p | 9:03p |
| Sep 6 | 4:44a | 6:23a | 1:10p | 5:39p | 7:48p | 9:01p |
| Sep 7 | 4:46a | 6:25a | 1:09p | 5:37p | 7:45p | 8:59p |
| Sep 8 | 4:48a | 6:27a | 1:09p | 5:35p | 7:43p | 8:57p |
| Sep 9 | 4:51a | 6:28a | 1:09p | 5:33p | 7:40p | 8:55p |
| Sep 10 | 4:53a | 6:30a | 1:08p | 5:31p | 7:38p | 8:52p |
| Sep 11 | 4:55a | 6:32a | 1:08p | 5:29p | 7:36p | 8:50p |
| Sep 12 | 4:57a | 6:34a | 1:08p | 5:27p | 7:33p | 8:48p |
| Sep 13 | 4:59a | 6:35a | 1:07p | 5:25p | 7:31p | 8:46p |
| Sep 14 | 5:01a | 6:37a | 1:07p | 5:23p | 7:28p | 8:44p |
| Sep 15 | 5:03a | 6:39a | 1:07p | 5:21p | 7:26p | 8:41p |
| Sep 16 | 5:05a | 6:40a | 1:06p | 5:19p | 7:23p | 8:39p |
| Sep 17 | 5:07a | 6:42a | 1:06p | 5:17p | 7:21p | 8:37p |
| Sep 18 | 5:09a | 6:44a | 1:05p | 5:15p | 7:18p | 8:35p |
| Sep 19 | 5:11a | 6:46a | 1:05p | 5:13p | 7:16p | 8:33p |
| Sep 20 | 5:13a | 6:47a | 1:05p | 5:11p | 7:14p | 8:30p |
| Sep 21 | 5:15a | 6:49a | 1:04p | 5:09p | 7:11p | 8:28p |
| Sep 22 | 5:17a | 6:51a | 1:04p | 5:07p | 7:09p | 8:26p |
| Sep 23 | 5:19a | 6:53a | 1:04p | 5:05p | 7:06p | 8:24p |
| Sep 24 | 5:20a | 6:54a | 1:03p | 5:03p | 7:04p | 8:22p |


| Sep 25 | 5:22a | 6:56a | 1:03p | 5:01p | 7:01p | 8:20p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:24a | 6:58a | 1:03p | 4:58p | 6:59p | 8:17p |
| Sep 27 | 5:25a | 7:00a | 1:02p | 4:56p | 6:57p | 8:15p |
| Sep 28 | 5:27a | 7:01a | 1:02p | 4:54p | 6:54p | 8:13p |
| Sep 29 | 5:29a | 7:03a | 1:02p | 4:52p | 6:52p | 8:11p |
| Sep 30 | 5:30a | 7:05a | 1:01p | 4:50p | 6:49p | 8:09p |
| Oct 1 | 5:32a | 7:07a | 1:01p | 4:48p | 6:47p | 8:06p |
| Oct 2 | 5:34a | 7:08a | 1:01p | 4:46p | $6: 44 \mathrm{p}$ | 8:04p |
| Oct 3 | 5:35a | 7:10a | 1:00p | $4: 44 \mathrm{p}$ | 6:42p | 8:02p |
| Oct 4 | 5:37a | 7:12a | 1:00p | 4:42p | 6:40p | 8:00p |
| Oct 5 | 5:39a | 7:14a | 1:00p | 4:39p | 6:37p | 7:58p |
| Oct 6 | 5:40a | 7:16a | 12:59p | 4:37p | 6:35p | 7:56p |
| Oct 7 | 5:42a | 7:17a | 12:59p | 4:35p | 6:32p | 7:54p |
| Oct 8 | 5:44a | 7:19a | 12:59p | 4:33p | 6:30p | 7:51p |
| Oct 9 | 5:45a | 7:21a | 12:59p | 4:31p | 6:28p | 7:49p |
| Oct 10 | 5:47a | 7:23a | 12:58p | 4:29p | 6:25p | 7:47p |
| Oct 11 | 5:49a | 7:25a | 12:58p | 4:27p | 6:23p | 7:45p |
| Oct 12 | 5:51a | 7:26a | 12:58p | 4:25p | 6:21p | 7:43p |
| Oct 13 | 5:52a | 7:28a | 12:57p | 4:23p | 6:18p | 7:41p |
| Oct 14 | 5:54a | 7:30a | 12:57p | 4:20p | 6:16p | 7:39p |
| Oct 15 | 5:56a | 7:32a | 12:57p | $4: 18 \mathrm{p}$ | 6:14p | 7:37p |
| Oct 16 | 5:58a | 7:34a | 12:57p | 4:16p | 6:12p | 7:35p |
| Oct 17 | 5:59a | 7:36a | 12:57p | $4: 14 \mathrm{p}$ | 6:09p | 7:33p |
| Oct 18 | 6:01a | 7:38a | 12:56p | 4:12p | 6:07p | 7:31p |
| Oct 19 | 6:03a | 7:39a | 12:56p | $4: 10 \mathrm{p}$ | 6:05p | 7:29p |
| Oct 20 | 6:05a | 7:41a | 12:56p | 4:08p | 6:03p | 7:27p |
| Oct 21 | 6:06a | 7:43a | 12:56p | 4:06p | 6:00p | 7:25p |
| Oct 22 | 6:08a | 7:45a | 12:56p | 4:04p | 5:58p | 7:23p |
| Oct 23 | 6:10a | 7:47a | 12:55p | 4:02p | 5:56p | 7:21p |
| Oct 24 | 6:12a | 7:49a | 12:55p | 4:00p | 5:54p | 7:19p |
| Oct 25 | 6:14a | 7:51a | 12:55p | 3:58p | 5:52p | 7:17p |
| Oct 26 | 6:15a | 7:53a | 12:55p | 3:56p | 5:50p | 7:15p |
| Oct 27 | 6:17a | 7:54a | 12:55p | 3:54p | 5:48p | 7:14p |
| Oct 28 | 5:19a | 6:56a | 11:55a | 2:52p | 4:46p | 6:12p |


| Oct 29 | 5:21a | 6:58a | 11:55a | 2:50p | 4:44p | 6:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:23a | 7:00a | 11:55a | 2:48p | 4:41p | 6:08p |
| Oct 31 | 5:24a | 7:02a | 11:55a | 2:46p | 4:40p | 6:07p |
| Nov 1 | 5:26a | 7:04a | 11:55a | 2:45p | 4:38p | 6:05p |
| Nov 2 | 5:28a | 7:06a | 11:55a | 2:43p | 4:36p | 6:03p |
| Nov 3 | 5:30a | 7:08a | 11:55a | 2:41p | 4:34p | 6:01p |
| Nov 4 | 5:32a | 7:10a | 11:55a | 2:39p | 4:32p | 6:00p |
| Nov 5 | 5:33a | 7:12a | 11:55a | 2:37p | 4:30p | 5:58p |
| Nov 6 | 5:35a | 7:13a | 11:55a | 2:36p | 4:28p | 5:57p |
| Nov 7 | 5:37a | 7:15a | 11:55a | 2:34p | 4:26p | 5:55p |
| Nov 8 | 5:39a | 7:17a | 11:55a | 2:32p | 4:24p | 5:53p |
| Nov 9 | 5:41a | 7:19a | 11:55a | 2:31p | 4:23p | 5:52p |
| Nov 10 | 5:42a | 7:21a | 11:55a | 2:29p | 4:21p | 5:51p |
| Nov 11 | 5:44a | 7:23a | 11:55a | 2:28p | 4:19p | 5:49p |
| Nov 12 | 5:46a | 7:25a | 11:55a | 2:26p | 4:18p | 5:48p |
| Nov 13 | 5:48a | 7:27a | 11:55a | 2:24p | 4:16p | 5:46p |
| Nov 14 | 5:49a | 7:29a | 11:55a | 2:23p | 4:15p | 5:45p |
| Nov 15 | 5:51a | 7:30a | 11:55a | 2:22p | 4:13p | 5:44p |
| Nov 16 | 5:53a | 7:32a | 11:56a | 2:20p | 4:12p | 5:43p |
| Nov 17 | 5:55a | 7:34a | 11:56a | 2:19p | 4:10p | 5:41p |
| Nov 18 | 5:56a | 7:36a | 11:56a | 2:17p | 4:09p | 5:40p |
| Nov 19 | 5:58a | 7:38a | 11:56a | 2:16p | 4:07p | 5:39p |
| Nov 20 | 6:00a | 7:39a | 11:56a | 2:15p | 4:06p | 5:38p |
| Nov 21 | 6:02a | 7:41a | 11:57a | 2:14p | 4:05p | 5:37p |
| Nov 22 | 6:03a | 7:43a | 11:57a | 2:13p | 4:04p | 5:36p |
| Nov 23 | 6:05a | 7:45a | 11:57a | 2:11p | 4:02p | 5:35p |
| Nov 24 | 6:06a | 7:46a | 11:57a | 2:10p | 4:01p | 5:34p |
| Nov 25 | 6:08a | 7:48a | 11:58a | 2:09p | 4:00p | 5:33p |
| Nov 26 | 6:10a | 7:50a | 11:58a | 2:08p | 3:59p | 5:33p |
| Nov 27 | 6:11a | 7:51a | 11:58a | 2:07p | 3:58p | 5:32p |
| Nov 28 | 6:13a | 7:53a | 11:59a | 2:07p | 3:57p | 5:31p |
| Nov 29 | 6:14a | 7:55a | 11:59a | 2:06p | 3:56p | 5:31p |
| Nov 30 | 6:16a | 7:56a | 11:59a | 2:05p | 3:56p | 5:30p |
| Dec 1 | 6:17a | 7:58a | 12:00n | 2:04p | 3:55p | 5:29p |


| Dec 2 | 6:18a | 7:59a | 12:00n | 2:04p | 3:54p | 5:29p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:20a | 8:01a | 12:00n | 2:03p | 3:53p | 5:29p |
| Dec 4 | 6:21a | 8:02a | 12:01p | 2:02p | 3:53p | 5:28p |
| Dec 5 | 6:22a | 8:03a | 12:01p | 2:02p | 3:52p | 5:28p |
| Dec 6 | 6:24a | 8:05a | 12:02p | 2:01p | 3:52p | 5:28p |
| Dec 7 | 6:25a | 8:06a | 12:02p | 2:01p | 3:51p | 5:27p |
| Dec 8 | 6:26a | 8:07a | 12:03p | 2:01p | 3:51p | 5:27p |
| Dec 9 | 6:27a | 8:09a | 12:03p | 2:00p | 3:51p | 5:27p |
| Dec 10 | 6:28a | 8:10a | 12:03p | 2:00p | 3:50p | 5:27p |
| Dec 11 | 6:29a | 8:11a | 12:04p | 2:00p | 3:50p | 5:27p |
| Dec 12 | 6:30a | 8:12a | 12:04p | 2:00p | 3:50p | 5:27p |
| Dec 13 | 6:31a | 8:13a | 12:05p | 2:00p | 3:50p | 5:28p |
| Dec 14 | 6:32a | 8:14a | 12:05p | 2:00p | 3:50p | 5:28p |
| Dec 15 | 6:33a | 8:15a | 12:06p | 2:00p | 3:50p | 5:28p |
| Dec 16 | 6:33a | 8:16a | 12:06p | 2:00p | 3:50p | 5:29p |
| Dec 17 | 6:34a | 8:16a | 12:07p | 2:00p | 3:50p | 5:29p |
| Dec 18 | 6:35a | 8:17a | 12:07p | 2:00p | 3:51p | 5:29p |
| Dec 19 | 6:35a | 8:18a | 12:08p | 2:01p | 3:51p | 5:29p |
| Dec 20 | 6:36a | 8:18a | 12:08p | 2:01p | 3:51p | 5:30p |
| Dec 21 | 6:37a | 8:19a | 12:09p | 2:01p | 3:52p | 5:30p |
| Dec 22 | 6:37a | 8:20a | 12:09p | 2:02p | 3:52p | 5:31p |
| Dec 23 | 6:38a | 8:20a | 12:10p | 2:02p | 3:53p | 5:31p |
| Dec 24 | 6:38a | 8:20a | 12:10p | 2:03p | 3:53p | 5:32p |
| Dec 25 | 6:38a | 8:21a | 12:11p | 2:04p | 3:54p | 5:32p |
| Dec 26 | 6:39a | 8:21a | 12:11p | 2:04p | 3:55p | 5:33p |
| Dec 27 | 6:39a | 8:21a | 12:12p | 2:05p | 3:56p | 5:34p |
| Dec 28 | 6:39a | 8:21a | 12:12p | 2:06p | 3:56p | 5:35p |
| Dec 29 | 6:39a | 8:22a | 12:13p | 2:07p | 3:57p | 5:36p |
| Dec 30 | 6:39a | 8:22a | 12:13p | 2:07p | 3:58p | 5:37p |
| Dec 31 | 6:39a | 8:22a | 12:14p | 2:08p | 3:59p | 5:38p |

## SOUTHAMPTON Lt=50:55N Lg= 1:25W GMT+ 0

Qiblah Compass=119:36E(2006.92)Qiblah from True North =117:03E DATE Fajr Sunrise Zuhr Asr(H) Maghrib Isha

| Jan 1 | $6: 28 a$ |
| :--- | :--- |
| Jan 2 | $6: 28 a$ |
| Jan 3 | $6: 28 a$ |
| Jan 4 | $6: 28 a$ |
| Jan 5 | $6: 28 a$ |

8:08a $\quad 12: 14 \mathrm{p}$

2:23p $\quad 4: 13 p \quad 5: 49 p$
8:08a $\quad 12: 14 \mathrm{p} \quad 2: 24 \mathrm{p} \quad 4: 14 \mathrm{p} \quad 5: 50 \mathrm{p}$

8:08a $\quad 12: 15 p \quad 2: 25 p \quad 4: 15 p \quad 5: 51 p$
8:08a 12:15p
2:26p
4:16p
5:52p
8:08a $\quad 12: 16 p \quad 2: 27 p \quad 4: 17 p \quad 5: 52 p$

Jan 6 6:27a
Jan 7 6:27a
Jan 8 6:27a
Jan 9 6:26a Jan 10 6:26a
Jan 11 6:26a
Jan 12 6:25a
8:05a 12:19p

2:28p
4:19p $\quad 5: 53 p$
8:07a 12:17p
2:30p
4:20p
5:54p
8:07a 12:17p
2:31p
4:21p
5:56p
8:06a $\quad 12: 17 \mathrm{p}$
2:32p
4:22p
5:57p
8:06a 12:18p
2:33p
4:24p 5:58p
8:05a 12:18p
2:35p
4:25p
5:59p
2:36p $4: 27 \mathrm{p} \quad 6: 00 \mathrm{p}$
Jan 13 6:24a
Jan 14 6:24a
Jan 15 6:23a
Jan 16 6:22a
Jan 17 6:22a
Jan 18 6:21a
Jan 19 6:20a

8:04a 12:19p
2:37p
4:28p 6:01p
8:03a 12:19p
2:39p
4:29p 6:03p
8:02a $12: 20$ p
2:40p
4:31p 6:04p
8:02a $12: 20 \mathrm{p} \quad 2: 42 \mathrm{p} \quad 4: 33 \mathrm{p} \quad 6: 05 \mathrm{p}$
8:01a 12:20p
2:43p $\quad 4: 34 p \quad 6: 06 p$
8:00a $\quad 12: 21 p \quad 2: 45 p \quad 4: 36 p \quad 6: 08 p$
$7: 59 a \quad 12: 21 p \quad 2: 46 p \quad 4: 37 p \quad 6: 09 p$
Jan $20 \quad$ 6:19a $\quad 7: 58 \mathrm{a} \quad 12: 21 \mathrm{p} \quad 2: 48 \mathrm{p} \quad 4: 39 \mathrm{p} \quad$ 6:10p
Jan $21 \quad$ 6:18a $\quad 7: 57 \mathrm{a} \quad 12: 22 \mathrm{p} \quad 2: 49 \mathrm{p} \quad 4: 41 \mathrm{p} \quad$ 6:12p
Jan 22 6:17a

7:56a 12:22p
2:51p $4: 42 \mathrm{p} \quad 6: 13 \mathrm{p}$

| Jan 23 | $6: 16 \mathrm{a}$ | $7: 55 \mathrm{a}$ | $12: 22 \mathrm{p}$ | $2: 52 \mathrm{p}$ | $4: 44 \mathrm{p}$ | $6: 15 \mathrm{p}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Jan 24 | $6: 15 \mathrm{a}$ | $7: 53 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 54 \mathrm{p}$ | $4: 46 \mathrm{p}$ | $6: 16 \mathrm{p}$ |
| Jan 25 | $6: 14 \mathrm{a}$ | $7: 52 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 56 \mathrm{p}$ | $4: 47 \mathrm{p}$ | $6: 18 \mathrm{p}$ |
| Jan 26 | $6: 13 \mathrm{a}$ | $7: 51 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 57 \mathrm{p}$ | $4: 49 \mathrm{p}$ | $6: 19 \mathrm{p}$ |
| Jan 27 | $6: 12 \mathrm{a}$ | $7: 50 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $2: 59 \mathrm{p}$ | $4: 51 \mathrm{p}$ | $6: 21 \mathrm{p}$ |
| Jan 28 | 6:10a | $7: 48 \mathrm{a}$ | $12: 23 \mathrm{p}$ | $3: 01 \mathrm{p}$ | $4: 52 \mathrm{p}$ | $6: 22 \mathrm{p}$ |
| Jan 29 | 6:09a | $7: 47 \mathrm{a}$ | $12: 24 \mathrm{p}$ | $3: 02 \mathrm{p}$ | $4: 54 \mathrm{p}$ | $6: 24 \mathrm{p}$ |


| Jan 30 | 6:08a | 7:46a | 12:24p | 3:04p | 4:56p | 6:25p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:06a | 7:44a | 12:24p | 3:05p | 4:58p | 6:27p |
| Feb 1 | 6:05a | 7:43a | 12:24p | 3:07p | 4:59p | 6:28p |
| Feb 2 | 6:04a | 7:41a | 12:24p | 3:09p | 5:01p | 6:30p |
| Feb 3 | 6:02a | 7:40a | 12:24p | 3:10p | 5:03p | 6:31p |
| Feb 4 | 6:01a | 7:38a | 12:24p | 3:12p | 5:05p | 6:33p |
| Feb 5 | 5:59a | 7:36a | 12:25p | 3:14p | 5:06p | 6:34p |
| Feb 6 | 5:58a | 7:35a | 12:25p | $3: 16 p$ | 5:08p | 6:36p |
| Feb 7 | 5:56a | 7:33a | 12:25p | 3:17p | 5:10p | 6:37p |
| Feb 8 | 5:55a | 7:32a | 12:25p | 3:19p | 5:12p | 6:39p |
| Feb 9 | 5:53a | 7:30a | 12:25p | 3:21p | 5:14p | 6:41p |
| Feb 10 | 5:51a | 7:28a | 12:25p | 3:22p | 5:15p | 6:42p |
| Feb 11 | 5:50a | 7:26a | 12:25p | $3: 24 \mathrm{p}$ | 5:17p | 6:44p |
| Feb 12 | 5:48a | 7:25a | 12:25p | 3:26p | 5:19p | 6:45p |
| Feb 13 | 5:46a | 7:23a | 12:25p | 3:27p | 5:21p | 6:47p |
| Feb 14 | 5:44a | 7:21a | 12:25p | 3:29p | 5:23p | 6:48p |
| Feb 15 | 5:43a | 7:19a | 12:25p | 3:31p | 5:24p | 6:50p |
| Feb 16 | 5:41a | 7:17a | 12:25p | 3:32p | 5:26p | 6:51p |
| Feb 17 | 5:39a | 7:15a | 12:25p | $3: 34 \mathrm{p}$ | 5:28p | 6:53p |
| Feb 18 | 5:37a | 7:13a | 12:25p | 3:35p | 5:30p | 6:54p |
| Feb 19 | 5:35a | 7:11a | 12:25p | 3:37p | 5:31p | 6:56p |
| Feb 20 | 5:34a | 7:09a | 12:24p | $3: 39 \mathrm{p}$ | 5:33p | 6:58p |
| Feb 21 | 5:32a | 7:07a | 12:24p | 3:40p | 5:35p | 6:59p |
| Feb 22 | 5:30a | 7:05a | 12:24p | $3: 42 \mathrm{p}$ | 5:37p | 7:01p |
| Feb 23 | 5:28a | 7:03a | 12:24p | $3: 44 \mathrm{p}$ | 5:39p | 7:02p |
| Feb 24 | 5:26a | 7:01a | 12:24p | $3: 45 \mathrm{p}$ | 5:40p | 7:04p |
| Feb 25 | 5:24a | 6:59a | 12:24p | $3: 47 \mathrm{p}$ | 5:42p | 7:05p |
| Feb 26 | 5:22a | 6:57a | 12:24p | $3: 48 \mathrm{p}$ | $5: 44 \mathrm{p}$ | 7:07p |
| Feb 27 | 5:20a | 6:55a | 12:24p | 3:50p | 5:46p | 7:08p |
| Feb 28 | 5:18a | 6:53a | 12:23p | 3:51p | 5:47p | 7:10p |
| Mar 1 | 5:16a | 6:51a | 12:23p | 3:53p | 5:49p | 7:11p |
| Mar 2 | 5:14a | 6:49a | 12:23p | 3:54p | 5:51p | 7:13p |
| Mar 3 | 5:12a | 6:47a | 12:23p | 3:56p | 5:52p | 7:14p |
| Mar 4 | 5:10a | 6:45a | 12:23p | 3:57p | 5:54p | 7:16p |


| Mar 5 | 5:08a | 6:43a | 12:22p | 3:59p | 5:56p | 7:17p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:06a | 6:40a | 12:22p | 4:00p | 5:58p | 7:19p |
| Mar 7 | 5:04a | 6:38a | 12:22p | 4:02p | 5:59p | 7:20p |
| Mar 8 | 5:02a | 6:36a | 12:22p | 4:03p | 6:01p | 7:22p |
| Mar 9 | 5:00a | 6:34a | 12:21p | 4:05p | 6:03p | 7:23p |
| Mar 10 | 4:58a | 6:32a | 12:21p | 4:06p | 6:04p | 7:24p |
| Mar 11 | 4:55a | 6:29a | 12:21p | 4:08p | 6:06p | 7:26p |
| Mar 12 | 4:53a | 6:27a | 12:21p | 4:09p | 6:08p | 7:27p |
| Mar 13 | 4:51a | 6:25a | 12:20p | 4:10p | 6:09p | 7:29p |
| Mar 14 | 4:49a | 6:23a | 12:20p | 4:12p | 6:11p | 7:30p |
| Mar 15 | 4:47a | 6:21a | 12:20p | 4:13p | 6:13p | 7:32p |
| Mar 16 | 4:45a | 6:18a | 12:20p | 4:15p | 6:14p | 7:33p |
| Mar 17 | 4:43a | 6:16a | 12:19p | 4:16p | 6:16p | 7:34p |
| Mar 18 | 4:41a | 6:14a | 12:19p | 4:17p | 6:18p | 7:36p |
| Mar 19 | 4:38a | 6:12a | 12:19p | 4:19p | 6:19p | 7:37p |
| Mar 20 | 4:36a | 6:09a | 12:18p | 4:20p | 6:21p | 7:39p |
| Mar 21 | 4:34a | 6:07a | 12:18p | 4:21p | 6:23p | 7:40p |
| Mar 22 | 4:32a | 6:05a | 12:18p | 4:23p | 6:24p | 7:42p |
| Mar 23 | 4:29a | 6:03a | 12:18p | 4:24p | 6:26p | 7:43p |
| Mar 24 | 4:27a | 6:00a | 12:17p | 4:25p | 6:28p | 7:44p |
| Mar 25 | 5:24a | 6:58a | 1:17p | 5:26p | 7:29p | 8:46p |
| Mar 26 | 5:22a | 6:56a | 1:17p | 5:28p | 7:31p | 8:47p |
| Mar 27 | 5:19a | 6:54a | 1:16p | 5:29p | 7:33p | 8:49p |
| Mar 28 | 5:17a | 6:52a | 1:16p | 5:30p | 7:34p | 8:50p |
| Mar 29 | 5:14a | 6:49a | 1:16p | 5:31p | 7:36p | 8:51p |
| Mar 30 | 5:12a | 6:47a | 1:15p | 5:33p | 7:37p | 8:53p |
| Mar 31 | 5:09a | 6:45a | 1:15p | 5:34p | 7:39p | 8:54p |
| Apr 1 | 5:07a | 6:43a | 1:15p | 5:35p | 7:41p | 8:56p |
| Apr 2 | 5:04a | 6:40a | 1:14p | 5:36p | 7:42p | 8:57p |
| Apr 3 | 5:02a | 6:38a | 1:14p | 5:37p | 7:44p | 8:58p |
| Apr 4 | 4:59a | 6:36a | 1:14p | 5:39p | 7:46p | 9:00p |
| Apr 5 | 4:57a | 6:34a | 1:14p | 5:40p | 7:47p | 9:01p |
| Apr 6 | 4:54a | 6:32a | 1:13p | 5:41p | 7:49p | 9:03p |
| Apr 7 | 4:52a | 6:29a | 1:13p | 5:42p | 7:51p | 9:04p |
| 329 |  |  |  |  |  |  |


| Apr 8 | 4:49a | 6:27a | 1:13p | 5:43p | 7:52p | 9:05p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:47a | 6:25a | 1:12p | 5:44p | 7:54p | 9:07p |
| Apr 10 | 4:44a | 6:23a | 1:12p | 5:46p | 7:55p | 9:08p |
| Apr 11 | 4:42a | 6:21a | 1:12p | 5:47p | 7:57p | 9:10p |
| Apr 12 | 4:39a | 6:18a | 1:12p | 5:48p | 7:59p | 9:11p |
| Apr 13 | 4:37a | 6:16a | 1:11p | 5:49p | 8:00p | 9:12p |
| Apr 14 | 4:35a | 6:14a | 1:11p | 5:50p | 8:02p | $9: 14 \mathrm{p}$ |
| Apr 15 | 4:32a | 6:12a | 1:11p | 5:51p | 8:04p | 9:15p |
| Apr 16 | 4:30a | 6:10a | 1:11p | 5:52p | 8:05p | 9:17p |
| Apr 17 | 4:27a | 6:08a | 1:10p | 5:53p | 8:07p | 9:18p |
| Apr 18 | 4:25a | 6:06a | 1:10p | 5:54p | 8:08p | 9:19p |
| Apr 19 | 4:23a | 6:04a | 1:10p | 5:55p | 8:10p | 9:21p |
| Apr 20 | 4:20a | 6:02a | 1:10p | 5:57p | 8:12p | 9:22p |
| Apr 21 | 4:18a | 6:00a | 1:10p | 5:58p | 8:13p | 9:24p |
| Apr 22 | 4:16a | 5:58a | 1:09p | 5:59p | 8:15p | 9:25p |
| Apr 23 | 4:13a | 5:56a | 1:09p | 6:00p | 8:17p | 9:26p |
| Apr 24 | 4:11a | 5:54a | 1:09p | 6:01p | 8:18p | 9:28p |
| Apr 25 | 4:09a | 5:52a | 1:09p | 6:02p | 8:20p | $9: 29 \mathrm{p}$ |
| Apr 26 | 4:07a | 5:50a | 1:09p | 6:03p | 8:21p | 9:30p |
| Apr 27 | 4:04a | 5:48a | 1:08p | 6:04p | 8:23p | 9:32p |
| Apr 28 | 4:02a | 5:46a | 1:08p | 6:05p | 8:25p | 9:33p |
| Apr 29 | 4:00a | 5:44a | 1:08p | 6:06p | 8:26p | 9:35p |
| Apr 30 | 3:58a | 5:42a | 1:08p | 6:07p | 8:28p | 9:36p |
| May 1 | 3:56a | 5:40a | 1:08p | 6:08p | 8:29p | 9:37p |
| May 2 | 3:54a | 5:38a | 1:08p | 6:09p | 8:31p | 9:39p |
| May 3 | 3:51a | 5:37a | 1:08p | 6:10p | 8:33p | 9:40p |
| May 4 | 3:49a | 5:35a | 1:08p | 6:11p | 8:34p | 9:41p |
| May 5 | 3:47a | 5:33a | 1:07p | 6:12p | 8:36p | 9:43p |
| May 6 | 3:45a | 5:31a | 1:07p | 6:13p | 8:37p | 9:44p |
| May 7 | 3:43a | 5:30a | 1:07p | 6:14p | 8:39p | 9:45p |
| May 8 | 3:41a | 5:28a | 1:07p | 6:15p | 8:41p | 9:47p |
| May 9 | 3:39a | 5:26a | 1:07p | 6:16p | 8:42p | 9:49p |
| May 10 | 3:37a | 5:25a | 1:07p | 6:16p | $8: 44 \mathrm{p}$ | 9:51p |
| May 11 | 3:36a | 5:23a | 1:07p | 6:17p | 8:45p | 9:53p |


| May 12 | 3:34a | 5:21a | 1:07p | 6:18p | 8:47p | 9:55p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:32a | 5:20a | 1:07p | 6:19p | 8:48p | 9:56p |
| May 14 | 3:30a | 5:18a | 1:07p | 6:20p | 8:50p | 9:58p |
| May 15 | 3:28a | 5:17a | 1:07p | 6:21p | 8:51p | 10:00p |
| May 16 | 3:27a | 5:15a | 1:07p | 6:22p | 8:53p | 10:02p |
| May 17 | 3:25a | 5:14a | 1:07p | 6:23p | 8:54p | 10:04p |
| May 18 | 3:23a | 5:13a | 1:07p | 6:24p | 8:55p | 10:05p |
| May 19 | 3:22a | 5:11a | 1:07p | 6:24p | 8:57p | 10:07p |
| May 20 | 3:20a | 5:10a | 1:07p | 6:25p | 8:58p | 10:09p |
| May 21 | 3:18a | 5:09a | 1:07p | 6:26p | 9:00p | 10:10p |
| May 22 | 3:17a | 5:07a | 1:07p | 6:27p | 9:01p | 10:12p |
| May 23 | 3:15a | 5:06a | 1:07p | 6:28p | 9:02p | 10:14p |
| May 24 | 3:14a | 5:05a | 1:07p | 6:28p | 9:04p | 10:15p |
| May 25 | 3:13a | 5:04a | 1:08p | 6:29p | 9:05p | 10:17p |
| May 26 | 3:11a | 5:03a | 1:08p | 6:30p | 9:06p | 10:18p |
| May 27 | 3:10a | 5:02a | 1:08p | 6:31p | 9:07p | 10:20p |
| May 28 | 3:09a | 5:01a | 1:08p | 6:31p | 9:08p | 10:21p |
| May 29 | 3:07a | 5:00a | 1:08p | 6:32p | 9:10p | 10:23p |
| May 30 | 3:06a | 4:59a | 1:08p | 6:33p | 9:11p | 10:24p |
| May 31 | 3:05a | 4:58a | 1:08p | 6:33p | 9:12p | 10:26p |
| Jun 1 | 3:04a | 4:57a | 1:08p | 6:34p | 9:13p | 10:27p |
| Jun 2 | 3:03a | 4:57a | 1:09p | 6:35p | 9:14p | 10:29p |
| Jun 3 | 3:02a | 4:56a | 1:09p | 6:35p | 9:15p | 10:30p |
| Jun 4 | 3:01a | 4:55a | 1:09p | 6:36p | 9:16p | 10:31p |
| Jun 5 | 3:00a | 4:55a | 1:09p | 6:37p | 9:17p | 10:32p |
| Jun 6 | 2:59a | 4:54a | 1:09p | 6:37p | 9:18p | 10:34p |
| Jun 7 | 2:58a | 4:54a | 1:09p | 6:38p | 9:19p | 10:35p |
| Jun 8 | 2:58a | 4:53a | 1:10p | 6:38p | 9:20p | 10:36p |
| Jun 9 | 2:57a | 4:53a | 1:10p | 6:39p | 9:20p | 10:37p |
| Jun 10 | 2:56a | 4:52a | 1:10p | 6:39p | 9:21p | 10:38p |
| Jun 11 | 2:56a | 4:52a | 1:10p | 6:40p | 9:22p | 10:39p |
| Jun 12 | 2:55a | 4:52a | 1:10p | 6:40p | 9:22p | 10:40p |
| Jun 13 | 2:55a | 4:52a | 1:11p | 6:41p | 9:23p | 10:41p |
| Jun 14 | 2:54a | 4:51a | 1:11p | 6:41p | 9:24p | 10:42p |


| Jun 15 | 2:54a | 4:51a | 1:11p | 6:42p | 9:24p | 10:43p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:53a | 4:51a | 1:11p | 6:42p | 9:25p | 10:43p |
| Jun 17 | 2:53a | 4:51a | 1:11p | 6:42p | 9:25p | 10:44p |
| Jun 18 | 2:53a | 4:51a | 1:12p | 6:43p | 9:25p | 10:45p |
| Jun 19 | 2:53a | 4:51a | 1:12p | 6:43p | 9:26p | 10:46p |
| Jun 20 | 2:52a | 4:51a | 1:12p | 6:43p | 9:26p | 10:46p |
| Jun 21 | 2:52a | 4:51a | 1:12p | 6:43p | 9:26p | 10:47p |
| Jun 22 | 2:52a | 4:52a | 1:12p | 6:44p | 9:26p | 10:47p |
| Jun 23 | 2:53a | 4:52a | 1:13p | 6:44p | 9:27p | 10:47p |
| Jun 24 | 2:53a | 4:52a | 1:13p | 6:44p | 9:27p | 10:47p |
| Jun 25 | 2:54a | 4:53a | 1:13p | 6:44p | 9:27p | 10:47p |
| Jun 26 | 2:55a | 4:53a | 1:13p | 6:44p | 9:27p | 10:46p |
| Jun 27 | 2:55a | 4:53a | 1:14p | 6:44p | 9:27p | 10:46p |
| Jun 28 | 2:56a | 4:54a | 1:14p | 6:44p | 9:27p | 10:45p |
| Jun 29 | 2:57a | 4:54a | 1:14p | 6:44p | 9:26p | 10:45p |
| Jun 30 | 2:58a | 4:55a | 1:14p | 6:44p | 9:26p | 10:44p |
| Jul 1 | 2:59a | 4:56a | 1:14p | 6:44p | 9:26p | 10:44p |
| Jul 2 | 3:00a | 4:56a | 1:15p | 6:44p | 9:26p | 10:43p |
| Jul 3 | 3:01a | 4:57a | 1:15p | 6:44p | 9:25p | 10:43p |
| Jul 4 | 3:02a | 4:58a | 1:15p | 6:44p | 9:25p | 10:42p |
| Jul 5 | 3:03a | 4:59a | 1:15p | 6:44p | 9:24p | 10:41p |
| Jul 6 | 3:04a | 4:59a | 1:15p | 6:44p | 9:24p | 10:40p |
| Jul 7 | 3:05a | 5:00a | 1:15p | 6:44p | 9:23p | 10:39p |
| Jul 8 | 3:06a | 5:01a | 1:16p | 6:43p | 9:23p | 10:38p |
| Jul 9 | 3:07a | 5:02a | 1:16p | 6:43p | 9:22p | 10:37p |
| Jul 10 | 3:09a | 5:03a | 1:16p | 6:43p | 9:21p | 10:36p |
| Jul 11 | 3:10a | 5:04a | 1:16p | 6:43p | 9:21p | 10:35p |
| Jul 12 | 3:11a | 5:05a | 1:16p | 6:42p | 9:20p | 10:34p |
| Jul 13 | 3:13a | 5:06a | 1:16p | 6:42p | 9:19p | 10:33p |
| Jul 14 | 3:14a | 5:07a | 1:16p | 6:41p | 9:18p | 10:32p |
| Jul 15 | 3:15a | 5:08a | 1:17p | 6:41p | 9:17p | 10:31p |
| Jul 16 | 3:17a | 5:10a | 1:17p | 6:41p | 9:16p | 10:29p |
| Jul 17 | 3:18a | 5:11a | 1:17p | 6:40p | 9:15p | 10:28p |
| Jul 18 | 3:20a | 5:12a | 1:17p | 6:40p | 9:14p | 10:27p |


| Jul 19 | 3:21a | 5:13a | 1:17p | 6:39p | 9:13p | 10:25p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:23a | 5:14a | 1:17p | 6:38p | 9:12p | 10:24p |
| Jul 21 | 3:25a | 5:16a | 1:17p | 6:38p | 9:11p | 10:22p |
| Jul 22 | 3:26a | 5:17a | 1:17p | 6:37p | 9:09p | 10:21p |
| Jul 23 | 3:28a | 5:18a | 1:17p | 6:36p | 9:08p | 10:19p |
| Jul 24 | 3:29a | 5:20a | 1:17p | 6:36p | 9:07p | 10:18p |
| Jul 25 | 3:31a | 5:21a | 1:17p | 6:35p | 9:05p | 10:16p |
| Jul 26 | 3:33a | 5:22a | 1:17p | 6:34p | 9:04p | 10:14p |
| Jul 27 | 3:34a | 5:24a | 1:17p | 6:33p | 9:03p | 10:13p |
| Jul 28 | 3:36a | 5:25a | 1:17p | 6:33p | 9:01p | 10:11p |
| Jul 29 | 3:38a | 5:27a | 1:17p | 6:32p | 9:00p | 10:09p |
| Jul 30 | 3:39a | 5:28a | 1:17p | 6:31p | 8:58p | 10:07p |
| Jul 31 | 3:41a | 5:29a | 1:17p | 6:30p | 8:57p | 10:05p |
| Aug 1 | 3:43a | 5:31a | 1:17p | 6:29p | 8:55p | 10:03p |
| Aug 2 | 3:45a | 5:32a | 1:17p | 6:28p | $8: 54 \mathrm{p}$ | 10:02p |
| Aug 3 | 3:46a | 5:34a | 1:17p | 6:27p | 8:52p | 10:00p |
| Aug 4 | 3:48a | 5:35a | 1:17p | 6:26p | 8:50p | 9:58p |
| Aug 5 | 3:50a | 5:37a | 1:17p | 6:25p | 8:49p | 9:56p |
| Aug 6 | 3:52a | 5:38a | 1:17p | 6:24p | 8:47p | 9:54p |
| Aug 7 | 3:54a | 5:40a | 1:17p | 6:23p | 8:45p | 9:52p |
| Aug 8 | 3:55a | 5:41a | 1:16p | 6:22p | 8:43p | 9:50p |
| Aug 9 | 3:57a | 5:43a | 1:16p | 6:20p | 8:42p | 9:49p |
| Aug 10 | 3:59a | 5:44a | 1:16p | 6:19p | 8:40p | 9:47p |
| Aug 11 | 4:01a | 5:46a | 1:16p | 6:18p | 8:38p | 9:45p |
| Aug 12 | 4:03a | 5:47a | 1:16p | 6:17p | 8:36p | 9:44p |
| Aug 13 | 4:04a | 5:49a | 1:16p | 6:16p | 8:34p | 9:42p |
| Aug 14 | 4:06a | 5:51a | 1:16p | 6:14p | 8:32p | 9:40p |
| Aug 15 | 4:08a | 5:52a | 1:15p | 6:13p | 8:30p | 9:39p |
| Aug 16 | 4:10a | 5:54a | 1:15p | 6:12p | 8:28p | 9:37p |
| Aug 17 | 4:12a | 5:55a | 1:15p | 6:10p | 8:26p | 9:35p |
| Aug 18 | 4:14a | 5:57a | 1:15p | 6:09p | 8:24p | 9:33p |
| Aug 19 | 4:15a | 5:58a | 1:14p | 6:07p | 8:22p | 9:32p |
| Aug 20 | 4:17a | 6:00a | 1:14p | 6:06p | 8:20p | 9:30p |
| Aug 21 | 4:19a | 6:01a | 1:14p | 6:05p | 8:18p | 9:28p |


| Aug 22 | 4:21a | 6:03a | 1:14p | 6:03p | 8:16p | 9:26p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:23a | 6:04a | 1:14p | 6:02p | 8:14p | 9:24p |
| Aug 24 | 4:25a | 6:06a | 1:13p | 6:00p | 8:12p | 9:23p |
| Aug 25 | 4:26a | 6:08a | 1:13p | 5:59p | 8:10p | 9:21p |
| Aug 26 | 4:28a | 6:09a | 1:13p | 5:57p | 8:08p | 9:19p |
| Aug 27 | 4:30a | 6:11a | 1:12p | 5:55p | 8:06p | 9:17p |
| Aug 28 | 4:32a | 6:12a | 1:12p | 5:54p | 8:04p | 9:15p |
| Aug 29 | 4:34a | 6:14a | 1:12p | 5:52p | 8:02p | 9:13p |
| Aug 30 | 4:36a | 6:15a | 1:12p | 5:51p | 7:59p | 9:11p |
| Aug 31 | 4:37a | 6:17a | 1:11p | 5:49p | 7:57p | 9:09p |
| Sep 1 | 4:39a | 6:18a | 1:11p | 5:47p | 7:55p | 9:07p |
| Sep 2 | 4:41a | 6:20a | 1:11p | 5:46p | 7:53p | 9:05p |
| Sep 3 | 4:43a | 6:21a | 1:10p | 5:44p | 7:51p | 9:04p |
| Sep 4 | 4:45a | 6:23a | 1:10p | 5:42p | 7:49p | 9:02p |
| Sep 5 | 4:47a | 6:25a | 1:10p | 5:40p | 7:46p | 9:00p |
| Sep 6 | 4:49a | 6:26a | 1:09p | 5:39p | 7:44p | 8:58p |
| Sep 7 | 4:50a | 6:28a | 1:09p | 5:37p | 7:42p | 8:56p |
| Sep 8 | 4:52a | 6:29a | 1:09p | 5:35p | 7:40p | 8:54p |
| Sep 9 | 4:54a | 6:31a | 1:08p | 5:33p | 7:37p | 8:52p |
| Sep 10 | 4:56a | 6:32a | 1:08p | 5:32p | 7:35p | 8:50p |
| Sep 11 | 4:58a | 6:34a | 1:08p | 5:30p | 7:33p | 8:48p |
| Sep 12 | 5:00a | 6:35a | 1:07p | 5:28p | 7:31p | 8:46p |
| Sep 13 | 5:01a | 6:37a | 1:07p | 5:26p | 7:28p | 8:44p |
| Sep 14 | 5:03a | 6:39a | 1:07p | 5:24p | 7:26p | 8:41p |
| Sep 15 | 5:05a | 6:40a | 1:06p | 5:22p | 7:24p | 8:39p |
| Sep 16 | 5:07a | 6:42a | 1:06p | 5:21p | 7:22p | 8:37p |
| Sep 17 | 5:09a | 6:43a | 1:05p | 5:19p | 7:19p | 8:35p |
| Sep 18 | 5:11a | 6:45a | 1:05p | 5:17p | 7:17p | 8:33p |
| Sep 19 | 5:13a | 6:46a | 1:05p | 5:15p | 7:15p | 8:31p |
| Sep 20 | 5:14a | 6:48a | 1:04p | 5:13p | 7:12p | 8:29p |
| Sep 21 | 5:16a | 6:50a | 1:04p | 5:11p | 7:10p | 8:27p |
| Sep 22 | 5:18a | 6:51a | 1:04p | 5:09p | 7:08p | 8:25p |
| Sep 23 | 5:20a | 6:53a | 1:03p | 5:07p | 7:06p | 8:23p |
| Sep 24 | 5:21a | 6:54a | 1:03p | 5:05p | 7:03p | 8:21p |
| 334 |  |  |  |  |  |  |


| Sep 25 | 5:23a | 6:56a | 1:03p | 5:03p | 7:01p | 8:19p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:24a | 6:57a | 1:02p | 5:01p | 6:59p | 8:17p |
| Sep 27 | 5:25a | 6:59a | 1:02p | 4:59p | 6:57p | 8:15p |
| Sep 28 | 5:27a | 7:01a | 1:02p | 4:57p | 6:54p | 8:13p |
| Sep 29 | 5:28a | 7:02a | 1:01p | 4:56p | 6:52p | 8:11p |
| Sep 30 | 5:30a | 7:04a | 1:01p | 4:54p | 6:50p | 8:09p |
| Oct 1 | 5:31a | 7:05a | 1:01p | 4:52p | 6:48p | 8:07p |
| Oct 2 | 5:33a | 7:07a | 1:00p | 4:50p | 6:45p | 8:05p |
| Oct 3 | 5:34a | 7:08a | 1:00p | 4:48p | 6:43p | 8:03p |
| Oct 4 | 5:36a | 7:10a | 1:00p | 4:46p | 6:41p | 8:01p |
| Oct 5 | 5:37a | 7:12a | 12:59p | 4:44p | 6:39p | 7:59p |
| Oct 6 | 5:39a | 7:13a | 12:59p | 4:42p | 6:37p | 7:57p |
| Oct 7 | 5:40a | 7:15a | 12:59p | 4:40p | 6:34p | 7:55p |
| Oct 8 | 5:42a | 7:17a | 12:58p | 4:38p | 6:32p | 7:53p |
| Oct 9 | 5:44a | 7:18a | 12:58p | 4:36p | 6:30p | 7:51p |
| Oct 10 | 5:45a | 7:20a | 12:58p | 4:34p | 6:28p | 7:49p |
| Oct 11 | 5:47a | 7:21a | 12:58p | 4:32p | 6:26p | 7:47p |
| Oct 12 | 5:48a | 7:23a | 12:57p | 4:30p | 6:24p | 7:46p |
| Oct 13 | 5:50a | 7:25a | 12:57p | 4:28p | 6:21p | 7:44p |
| Oct 14 | 5:51a | 7:26a | 12:57p | 4:26p | 6:19p | 7:42p |
| Oct 15 | 5:53a | 7:28a | 12:57p | 4:24p | 6:17p | 7:40p |
| Oct 16 | 5:54a | 7:30a | 12:56p | 4:22p | 6:15p | 7:38p |
| Oct 17 | 5:56a | 7:31a | 12:56p | 4:20p | 6:13p | 7:36p |
| Oct 18 | 5:58a | 7:33a | 12:56p | 4:18p | 6:11p | 7:34p |
| Oct 19 | 5:59a | 7:35a | 12:56p | 4:17p | 6:09p | 7:33p |
| Oct 20 | 6:01a | 7:36a | 12:56p | 4:15p | 6:07p | 7:31p |
| Oct 21 | 6:02a | 7:38a | 12:55p | 4:13p | 6:05p | 7:29p |
| Oct 22 | 6:04a | 7:40a | 12:55p | 4:11p | 6:03p | 7:27p |
| Oct 23 | 6:06a | 7:41a | 12:55p | 4:09p | 6:01p | 7:25p |
| Oct 24 | 6:07a | 7:43a | 12:55p | 4:07p | 5:59p | 7:24p |
| Oct 25 | 6:09a | 7:45a | 12:55p | 4:06p | 5:57p | 7:22p |
| Oct 26 | 6:10a | 7:47a | 12:55p | 4:04p | 5:55p | 7:20p |
| Oct 27 | 6:12a | 7:48a | 12:55p | 4:02p | 5:53p | 7:19p |
| Oct 28 | 5:14a | 6:50a | 11:55a | 3:00p | 4:51p | 6:17p |


| Oct 29 | 5:15a | 6:52a | 11:54a | 2:58p | 4:49p | 6:15p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:17a | 6:53a | 11:54a | 2:57p | 4:48p | 6:14p |
| Oct 31 | 5:19a | 6:55a | 11:54a | 2:55p | 4:46p | 6:12p |
| Nov 1 | 5:20a | 6:57a | 11:54a | 2:53p | 4:44p | 6:11p |
| Nov 2 | 5:22a | 6:59a | 11:54a | 2:52p | 4:42p | 6:09p |
| Nov 3 | 5:23a | 7:00a | 11:54a | 2:50p | 4:40p | 6:08p |
| Nov 4 | 5:25a | 7:02a | 11:54a | 2:48p | 4:39p | 6:06p |
| Nov 5 | 5:27a | 7:04a | 11:54a | 2:47p | 4:37p | 6:05p |
| Nov 6 | 5:28a | 7:05a | 11:54a | 2:45p | 4:35p | 6:03p |
| Nov 7 | 5:30a | 7:07a | 11:54a | 2:44p | 4:34p | 6:02p |
| Nov 8 | 5:32a | 7:09a | 11:54a | 2:42p | 4:32p | 6:01p |
| Nov 9 | 5:33a | 7:11a | 11:54a | 2:41p | 4:31p | 5:59p |
| Nov 10 | 5:35a | 7:12a | 11:55a | 2:39p | 4:29p | 5:58p |
| Nov 11 | 5:36a | 7:14a | 11:55a | 2:38p | 4:28p | 5:57p |
| Nov 12 | 5:38a | 7:16a | 11:55a | 2:36p | 4:26p | 5:55p |
| Nov 13 | 5:40a | 7:17a | 11:55a | 2:35p | 4:25p | 5:54p |
| Nov 14 | 5:41a | 7:19a | 11:55a | 2:34p | 4:23p | 5:53p |
| Nov 15 | 5:43a | 7:21a | 11:55a | 2:32p | 4:22p | 5:52p |
| Nov 16 | 5:44a | 7:23a | 11:55a | 2:31p | 4:21p | 5:51p |
| Nov 17 | 5:46a | 7:24a | 11:55a | 2:30p | 4:19p | 5:50p |
| Nov 18 | 5:47a | 7:26a | 11:56a | 2:29p | 4:18p | 5:49p |
| Nov 19 | 5:49a | 7:27a | 11:56a | 2:27p | 4:17p | 5:48p |
| Nov 20 | 5:51a | 7:29a | 11:56a | 2:26p | 4:16p | 5:47p |
| Nov 21 | 5:52a | 7:31a | 11:56a | 2:25p | 4:15p | 5:46p |
| Nov 22 | 5:54a | 7:32a | 11:57a | 2:24p | 4:14p | 5:45p |
| Nov 23 | 5:55a | 7:34a | 11:57a | 2:23p | 4:13p | 5:44p |
| Nov 24 | 5:57a | 7:35a | 11:57a | 2:22p | 4:12p | 5:44p |
| Nov 25 | 5:58a | 7:37a | 11:57a | 2:21p | 4:11p | 5:43p |
| Nov 26 | 5:59a | 7:39a | 11:58a | 2:21p | 4:10p | 5:42p |
| Nov 27 | 6:01a | 7:40a | 11:58a | 2:20p | 4:09p | 5:42p |
| Nov 28 | 6:02a | 7:41a | 11:58a | 2:19p | 4:08p | 5:41p |
| Nov 29 | 6:04a | 7:43a | 11:59a | 2:18p | 4:07p | 5:41p |
| Nov 30 | 6:05a | 7:44a | 11:59a | 2:18p | 4:07p | 5:40p |
| Dec 1 | 6:06a | 7:46a | 11:59a | 2:17p | 4:06p | 5:40p |


| Dec 2 | 6:07a | 7:47a | 12:00n | 2:16p | 4:05p | 5:39p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:09a | 7:48a | 12:00n | 2:16p | 4:05p | 5:39p |
| Dec 4 | 6:10a | 7:50a | 12:01p | 2:15p | 4:04p | 5:39p |
| Dec 5 | 6:11a | 7:51a | 12:01p | 2:15p | 4:04p | 5:39p |
| Dec 6 | 6:12a | 7:52a | 12:01p | 2:15p | 4:04p | 5:39p |
| Dec 7 | 6:13a | 7:53a | 12:02p | 2:14p | 4:03p | 5:38p |
| Dec 8 | 6:14a | 7:55a | 12:02p | 2:14p | 4:03p | 5:38p |
| Dec 9 | 6:15a | 7:56a | 12:03p | 2:14p | 4:03p | 5:38p |
| Dec 10 | 6:16a | 7:57a | 12:03p | 2:14p | 4:03p | 5:38p |
| Dec 11 | 6:17a | 7:58a | 12:04p | 2:13p | 4:03p | 5:39p |
| Dec 12 | 6:18a | 7:59a | 12:04p | 2:13p | 4:02p | 5:39p |
| Dec 13 | 6:19a | 8:00a | 12:04p | 2:13p | 4:02p | 5:39p |
| Dec 14 | 6:20a | 8:01a | 12:05p | 2:13p | 4:03p | 5:39p |
| Dec 15 | 6:21a | 8:02a | 12:05p | 2:14p | 4:03p | 5:40p |
| Dec 16 | 6:21a | 8:02a | 12:06p | 2:14p | 4:03p | 5:40p |
| Dec 17 | 6:22a | 8:03a | 12:06p | 2:14p | 4:03p | 5:40p |
| Dec 18 | 6:23a | 8:04a | 12:07p | 2:14p | 4:03p | 5:41p |
| Dec 19 | 6:23a | 8:05a | 12:07p | 2:14p | 4:04p | 5:41p |
| Dec 20 | 6:24a | 8:05a | 12:08p | 2:15p | 4:04p | 5:41p |
| Dec 21 | 6:25a | 8:06a | 12:08p | 2:15p | 4:04p | 5:42p |
| Dec 22 | 6:25a | 8:06a | 12:09p | 2:16p | 4:05p | 5:42p |
| Dec 23 | 6:26a | 8:07a | 12:09p | 2:16p | 4:05p | 5:43p |
| Dec 24 | 6:26a | 8:07a | 12:10p | 2:17p | 4:06p | 5:43p |
| Dec 25 | 6:26a | 8:07a | 12:10p | 2:17p | 4:07p | 5:44p |
| Dec 26 | 6:27a | 8:08a | 12:11p | 2:18p | 4:07p | 5:45p |
| Dec 27 | 6:27a | 8:08a | 12:11p | 2:19p | 4:08p | 5:45p |
| Dec 28 | 6:27a | 8:08a | 12:12p | 2:19p | 4:09p | 5:46p |
| Dec 29 | 6:27a | 8:08a | 12:12p | 2:20p | 4:10p | 5:47p |
| Dec 30 | 6:27a | 8:08a | 12:13p | 2:21p | 4:11p | 5:48p |
| Dec 31 | 6:27a | 8:08a | 12:13p | 2:22p | 4:12p | 5:49p |

## WALSALL MIDLANDS Lt=52:35N Lg= 1:58W GMT+ 0

Qiblah Compass=121:01E(2006.91) Qiblah from True North =117:59E

| DATE | Fajr |
| :--- | :---: |
| Jan 1 | $6: 38 \mathrm{a}$ |
| Jan 2 | $6: 38 \mathrm{a}$ |
| Jan 3 | $6: 38 \mathrm{a}$ |
| Jan 4 | $6: 37 \mathrm{a}$ |
| Jan 5 | $6: 37 \mathrm{a}$ |

Jan 6 6:37a

| Jan 7 | $6: 37 a$ |
| :--- | :--- |
| Jan 8 | $6: 36 a$ |

Jan 9 6:36a
Jan 10 6:35a

| Jan 11 | $6: 35 a$ |
| :--- | :--- |
| Jan 12 | $6: 34 a$ |

Jan 13 6:33a
Jan 14 6:33a
Jan 15 6:32a
Jan 16 6:31a
Jan 17 6:30a

| Jan 18 | 6:29a | 8:09a | 12:23p | 2:39p | 4:31p | 6:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 19 | 6:28a | 8:08a | 12:23p | 2:40p | 4:32p | 6:05p |
| Jan 20 | 6:27a | 8:07a | 12:24p | 2:42p | 4:34p | 6:06p |
| Jan 21 | 6:26a | 8:06a | 12:24p | 2:43p | 4:36p | 6:08p |
| Jan 22 | 6:25a | 8:05a | 12:24p | 2:45p | 4:38p | 6:09p |
| Jan 23 | 6:24a | 8:03a | 12:24p | 2:47p | 4:39p | 6:11p |
| Jan 24 | 6:23a | 8:02a | 12:25p | 2:48p | 4:41p | 6:12p |
| Jan 25 | 6:22a | 8:01a | 12:25p | 2:50p | 4:43p | 6:14p |
| Jan 26 | 6:20a | 7:59a | 12:25p | 2:52p | 4:45p | 6:16p |
| Jan 27 | 6:19a | 7:58a | 12:25p | 2:54p | 4:47p | 6:17p |
| Jan 28 | 6:18a | 7:57a | 12:26p | 2:55p | 4:49p | 6:19p |
| Jan 29 | 6:16a | 7:55a | 12:26p | 2:57p | 4:50p | 6:20p |


| Jan 30 | 6:15a | 7:54a | 12:26p | 2:59p | 4:52p | 6:22p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jan 31 | 6:14a | 7:52a | 12:26p | 3:01p | 4:54p | 6:24p |
| Feb 1 | 6:12a | 7:50a | 12:26p | 3:02p | 4:56p | 6:25p |
| Feb 2 | 6:11a | 7:49a | 12:26p | 3:04p | 4:58p | 6:27p |
| Feb 3 | 6:09a | 7:47a | 12:27p | 3:06p | 5:00p | 6:29p |
| Feb 4 | 6:07a | 7:46a | 12:27p | 3:08p | 5:02p | 6:30p |
| Feb 5 | 6:06a | 7:44a | 12:27p | 3:09p | 5:04p | 6:32p |
| Feb 6 | 6:04a | 7:42a | 12:27p | 3:11p | 5:06p | 6:34p |
| Feb 7 | 6:03a | 7:40a | 12:27p | 3:13p | 5:07p | 6:35p |
| Feb 8 | 6:01a | 7:38a | 12:27p | 3:15p | 5:09p | 6:37p |
| Feb 9 | 5:59a | 7:37a | 12:27p | 3:17p | 5:11p | 6:39p |
| Feb 10 | 5:57a | 7:35a | 12:27p | 3:18p | 5:13p | 6:40p |
| Feb 11 | 5:56a | 7:33a | 12:27p | 3:20p | 5:15p | 6:42p |
| Feb 12 | 5:54a | 7:31a | 12:27p | 3:22p | 5:17p | 6:44p |
| Feb 13 | 5:52a | 7:29a | 12:27p | 3:24p | 5:19p | 6:45p |
| Feb 14 | 5:50a | 7:27a | 12:27p | 3:25p | 5:21p | 6:47p |
| Feb 15 | 5:48a | 7:25a | 12:27p | 3:27p | 5:23p | 6:49p |
| Feb 16 | 5:46a | 7:23a | 12:27p | 3:29p | 5:25p | 6:50p |
| Feb 17 | 5:44a | 7:21a | 12:27p | 3:31p | 5:26p | 6:52p |
| Feb 18 | 5:42a | 7:19a | 12:27p | 3:33p | 5:28p | 6:54p |
| Feb 19 | 5:40a | 7:17a | 12:27p | 3:34p | 5:30p | 6:55p |
| Feb 20 | 5:38a | 7:15a | 12:27p | 3:36p | 5:32p | 6:57p |
| Feb 21 | 5:36a | 7:13a | 12:27p | 3:38p | 5:34p | 6:59p |
| Feb 22 | 5:34a | 7:11a | 12:26p | 3:39p | 5:36p | 7:00p |
| Feb 23 | 5:32a | 7:08a | 12:26p | 3:41p | 5:38p | 7:02p |
| Feb 24 | 5:30a | 7:06a | 12:26p | 3:43p | 5:40p | 7:03p |
| Feb 25 | 5:28a | 7:04a | 12:26p | 3:44p | 5:42p | 7:05p |
| Feb 26 | 5:26a | 7:02a | 12:26p | 3:46p | 5:43p | 7:07p |
| Feb 27 | 5:24a | 7:00a | 12:26p | 3:48p | 5:45p | 7:08p |
| Feb 28 | 5:22a | 6:58a | 12:26p | 3:49p | 5:47p | 7:10p |
| Mar 1 | 5:20a | 6:55a | 12:25p | 3:51p | 5:49p | 7:12p |
| Mar 2 | 5:18a | 6:53a | 12:25p | 3:53p | 5:51p | 7:13p |
| Mar 3 | 5:16a | 6:51a | 12:25p | 3:54p | 5:53p | 7:15p |
| Mar 4 | 5:13a | 6:49a | 12:25p | 3:56p | 5:55p | 7:16p |


| Mar 5 | 5:11a | 6:46a | 12:25p | 3:58p | 5:56p | 7:18p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mar 6 | 5:09a | 6:44a | 12:24p | 3:59p | 5:58p | 7:19p |
| Mar 7 | 5:07a | 6:42a | 12:24p | 4:01p | 6:00p | 7:21p |
| Mar 8 | 5:05a | 6:40a | 12:24p | 4:02p | 6:02p | 7:23p |
| Mar 9 | 5:02a | 6:37a | 12:24p | 4:04p | 6:04p | 7:24p |
| Mar 10 | 5:00a | 6:35a | 12:23p | 4:05p | 6:05p | 7:26p |
| Mar 11 | 4:58a | 6:33a | 12:23p | 4:07p | 6:07p | 7:27p |
| Mar 12 | 4:56a | 6:30a | 12:23p | 4:08p | 6:09p | 7:29p |
| Mar 13 | 4:54a | 6:28a | 12:23p | 4:10p | 6:11p | 7:30p |
| Mar 14 | 4:51a | 6:26a | 12:22p | 4:11p | 6:13p | 7:32p |
| Mar 15 | 4:49a | 6:23a | 12:22p | 4:13p | 6:14p | 7:33p |
| Mar 16 | 4:47a | 6:21a | 12:22p | 4:14p | 6:16p | 7:35p |
| Mar 17 | 4:45a | 6:19a | 12:21p | 4:16p | 6:18p | 7:37p |
| Mar 18 | 4:42a | 6:16a | 12:21p | 4:17p | 6:20p | 7:38p |
| Mar 19 | 4:40a | 6:14a | 12:21p | 4:19p | 6:22p | 7:40p |
| Mar 20 | 4:38a | 6:12a | 12:21p | 4:20p | 6:23p | 7:41p |
| Mar 21 | 4:35a | 6:09a | 12:20p | 4:22p | 6:25p | 7:43p |
| Mar 22 | 4:33a | 6:07a | 12:20p | 4:23p | 6:27p | 7:44p |
| Mar 23 | 4:31a | 6:04a | 12:20p | 4:24p | 6:29p | 7:46p |
| Mar 24 | 4:28a | 6:02a | 12:19p | 4:26p | 6:30p | 7:47p |
| Mar 25 | 5:25a | 7:00a | 1:19p | 5:27p | 7:32p | 8:49p |
| Mar 26 | 5:23a | 6:57a | 1:19p | 5:28p | $7: 34 \mathrm{p}$ | 8:50p |
| Mar 27 | 5:20a | 6:55a | 1:19p | 5:30p | 7:36p | 8:52p |
| Mar 28 | 5:17a | 6:53a | 1:18p | 5:31p | 7:37p | 8:53p |
| Mar 29 | 5:15a | 6:50a | 1:18p | 5:32p | 7:39p | 8:55p |
| Mar 30 | 5:12a | 6:48a | 1:18p | 5:34p | 7:41p | 8:56p |
| Mar 31 | 5:09a | 6:46a | 1:17p | 5:35p | 7:43p | 8:58p |
| Apr 1 | 5:07a | 6:43a | 1:17p | 5:36p | 7:45p | 8:59p |
| Apr 2 | 5:04a | 6:41a | 1:17p | 5:38p | 7:46p | 9:01p |
| Apr 3 | 5:01a | 6:39a | 1:16p | 5:39p | 7:48p | 9:03p |
| Apr 4 | 4:59a | 6:36a | 1:16p | 5:40p | 7:50p | 9:04p |
| Apr 5 | 4:56a | 6:34a | 1:16p | 5:42p | 7:52p | 9:06p |
| Apr 6 | 4:54a | 6:32a | 1:16p | 5:43p | 7:53p | 9:07p |
| Apr 7 | 4:51a | 6:29a | 1:15p | 5:44p | 7:55p | 9:09p |


| Apr 8 | 4:48a | 6:27a | 1:15p | 5:45p | 7:57p | 9:10p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Apr 9 | 4:46a | 6:25a | 1:15p | 5:47p | 7:59p | 9:12p |
| Apr 10 | 4:43a | 6:22a | 1:14p | 5:48p | 8:00p | 9:13p |
| Apr 11 | 4:41a | 6:20a | 1:14p | 5:49p | 8:02p | 9:15p |
| Apr 12 | 4:38a | 6:18a | 1:14p | 5:50p | 8:04p | 9:16p |
| Apr 13 | 4:35a | 6:16a | 1:14p | 5:51p | 8:06p | 9:18p |
| Apr 14 | 4:33a | 6:13a | 1:13p | 5:53p | 8:07p | 9:19p |
| Apr 15 | 4:30a | 6:11a | 1:13p | 5:54p | 8:09p | 9:21p |
| Apr 16 | 4:28a | 6:09a | 1:13p | 5:55p | 8:11p | 9:22p |
| Apr 17 | 4:25a | 6:07a | 1:13p | 5:56p | 8:13p | 9:24p |
| Apr 18 | 4:23a | 6:04a | 1:12p | 5:57p | 8:14p | 9:25p |
| Apr 19 | 4:20a | 6:02a | 1:12p | 5:58p | 8:16p | 9:27p |
| Apr 20 | 4:18a | 6:00a | 1:12p | 6:00p | 8:18p | 9:28p |
| Apr 21 | 4:15a | 5:58a | 1:12p | 6:01p | 8:20p | 9:30p |
| Apr 22 | 4:13a | 5:56a | 1:12p | 6:02p | 8:21p | 9:31p |
| Apr 23 | 4:10a | 5:54a | 1:11p | 6:03p | 8:23p | 9:33p |
| Apr 24 | 4:08a | 5:51a | 1:11p | 6:04p | 8:25p | 9:34p |
| Apr 25 | 4:06a | 5:49a | 1:11p | 6:05p | 8:27p | 9:36p |
| Apr 26 | 4:03a | 5:47a | 1:11p | 6:06p | 8:28p | 9:37p |
| Apr 27 | 4:01a | 5:45a | 1:11p | 6:07p | 8:30p | 9:39p |
| Apr 28 | 3:59a | 5:43a | 1:10p | 6:09p | 8:32p | 9:40p |
| Apr 29 | 3:56a | 5:41a | 1:10p | 6:10p | 8:34p | 9:42p |
| Apr 30 | 3:54a | 5:39a | 1:10p | 6:11p | 8:35p | 9:43p |
| May 1 | 3:52a | 5:37a | 1:10p | 6:12p | 8:37p | 9:45p |
| May 2 | 3:49a | 5:35a | 1:10p | 6:13p | 8:39p | 9:46p |
| May 3 | 3:47a | 5:33a | 1:10p | 6:14p | 8:40p | 9:48p |
| May 4 | 3:45a | 5:31a | 1:10p | 6:15p | 8:42p | 9:49p |
| May 5 | 3:43a | 5:29a | 1:10p | 6:16p | 8:44p | 9:51p |
| May 6 | 3:41a | 5:28a | 1:10p | 6:17p | 8:46p | 9:52p |
| May 7 | 3:39a | 5:26a | 1:09p | 6:18p | 8:47p | 9:53p |
| May 8 | 3:36a | 5:24a | 1:09p | 6:19p | 8:49p | 9:55p |
| May 9 | 3:34a | 5:22a | 1:09p | 6:20p | 8:51p | 9:57p |
| May 10 | 3:32a | 5:20a | 1:09p | 6:21p | 8:52p | 9:59p |
| May 11 | 3:30a | 5:19a | 1:09p | 6:22p | 8:54p | 10:01p |


| May 12 | 3:28a | 5:17a | 1:09p | 6:23p | 8:55p | 10:03p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| May 13 | 3:26a | 5:15a | 1:09p | 6:24p | 8:57p | 10:05p |
| May 14 | 3:24a | 5:14a | 1:09p | 6:25p | 8:59p | 10:07p |
| May 15 | 3:22a | 5:12a | 1:09p | 6:26p | 9:00p | 10:09p |
| May 16 | 3:21a | 5:11a | 1:09p | 6:27p | 9:02p | 10:11p |
| May 17 | 3:19a | 5:09a | 1:09p | 6:28p | 9:03p | 10:13p |
| May 18 | 3:17a | 5:08a | 1:09p | 6:29p | 9:05p | 10:15p |
| May 19 | 3:15a | 5:06a | 1:09p | 6:30p | 9:06p | 10:16p |
| May 20 | 3:14a | 5:05a | 1:09p | 6:30p | 9:08p | 10:18p |
| May 21 | 3:12a | 5:03a | 1:09p | 6:31p | 9:09p | 10:20p |
| May 22 | 3:10a | 5:02a | 1:09p | 6:32p | 9:11p | 10:22p |
| May 23 | 3:09a | 5:01a | 1:10p | 6:33p | 9:12p | 10:24p |
| May 24 | 3:07a | 5:00a | 1:10p | 6:34p | $9: 14 \mathrm{p}$ | 10:25p |
| May 25 | 3:06a | 4:58a | 1:10p | 6:35p | 9:15p | 10:27p |
| May 26 | 3:04a | 4:57a | 1:10p | 6:35p | 9:16p | 10:29p |
| May 27 | 3:03a | 4:56a | 1:10p | 6:36p | 9:18p | 10:30p |
| May 28 | 3:01a | 4:55a | 1:10p | 6:37p | 9:19p | 10:32p |
| May 29 | 3:00a | 4:54a | 1:10p | 6:38p | 9:20p | 10:33p |
| May 30 | 2:59a | 4:53a | 1:10p | 6:38p | 9:21p | 10:35p |
| May 31 | 2:58a | 4:52a | 1:10p | 6:39p | 9:23p | 10:37p |
| Jun 1 | 2:56a | 4:51a | 1:11p | 6:40p | 9:24p | 10:38p |
| Jun 2 | 2:55a | 4:50a | 1:11p | 6:41p | 9:25p | 10:39p |
| Jun 3 | 2:54a | 4:50a | 1:11p | 6:41p | 9:26p | 10:41p |
| Jun 4 | 2:53a | 4:49a | 1:11p | 6:42p | 9:27p | 10:42p |
| Jun 5 | 2:52a | 4:48a | 1:11p | 6:43p | 9:28p | 10:44p |
| Jun 6 | 2:51a | 4:47a | 1:11p | 6:43p | 9:29p | 10:45p |
| Jun 7 | 2:50a | 4:47a | 1:12p | 6:44p | 9:30p | 10:46p |
| Jun 8 | 2:49a | 4:46a | 1:12p | 6:44p | 9:31p | 10:47p |
| Jun 9 | 2:49a | 4:46a | 1:12p | 6:45p | 9:32p | 10:48p |
| Jun 10 | 2:48a | 4:45a | 1:12p | 6:45p | 9:33p | 10:50p |
| Jun 11 | 2:47a | 4:45a | 1:12p | 6:46p | 9:33p | 10:51p |
| Jun 12 | 2:47a | 4:45a | 1:13p | 6:46p | 9:34p | 10:52p |
| Jun 13 | 2:46a | 4:44a | 1:13p | 6:47p | 9:35p | 10:53p |
| Jun 14 | 2:46a | 4:44a | 1:13p | 6:47p | 9:35p | 10:54p |


| Jun 15 | 2:45a | 4:44a | 1:13p | 6:48p | 9:36p | 10:54p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jun 16 | 2:45a | 4:44a | 1:13p | 6:48p | 9:36p | 10:55p |
| Jun 17 | 2:44a | 4:44a | 1:14p | 6:48p | 9:37p | 10:56p |
| Jun 18 | 2:44a | 4:44a | 1:14p | 6:49p | 9:37p | 10:57p |
| Jun 19 | 2:44a | 4:44a | 1:14p | 6:49p | 9:38p | 10:57p |
| Jun 20 | 2:44a | 4:44a | 1:14p | 6:49p | 9:38p | 10:58p |
| Jun 21 | 2:43a | 4:44a | 1:14p | 6:50p | 9:38p | 10:59p |
| Jun 22 | 2:43a | 4:44a | 1:15p | 6:50p | 9:38p | 10:59p |
| Jun 23 | 2:44a | 4:45a | 1:15p | 6:50p | 9:38p | 10:59p |
| Jun 24 | 2:45a | 4:45a | 1:15p | 6:50p | $9: 38 \mathrm{p}$ | 10:59p |
| Jun 25 | 2:45a | 4:45a | 1:15p | 6:50p | 9:38p | 10:58p |
| Jun 26 | 2:46a | 4:46a | 1:16p | 6:50p | 9:38p | 10:58p |
| Jun 27 | 2:47a | 4:46a | 1:16p | 6:51p | 9:38p | 10:58p |
| Jun 28 | 2:48a | 4:47a | 1:16p | 6:51p | 9:38p | 10:57p |
| Jun 29 | 2:48a | 4:47a | 1:16p | 6:51p | 9:38p | 10:57p |
| Jun 30 | 2:49a | 4:48a | 1:16p | 6:51p | 9:38p | 10:56p |
| Jul 1 | 2:50a | 4:49a | 1:17p | 6:51p | 9:37p | 10:55p |
| Jul 2 | 2:51a | 4:49a | 1:17p | 6:50p | 9:37p | 10:55p |
| Jul 3 | 2:52a | 4:50a | 1:17p | 6:50p | 9:37p | 10:54p |
| Jul 4 | 2:53a | 4:51a | 1:17p | 6:50p | 9:36p | 10:53p |
| Jul 5 | 2:55a | 4:52a | 1:17p | 6:50p | 9:36p | 10:52p |
| Jul 6 | 2:56a | 4:53a | 1:17p | 6:50p | 9:35p | 10:51p |
| Jul 7 | 2:57a | 4:54a | 1:18p | 6:50p | 9:34p | 10:51p |
| Jul 8 | 2:58a | 4:54a | 1:18p | 6:49p | 9:34p | 10:49p |
| Jul 9 | 3:00a | 4:55a | 1:18p | 6:49p | 9:33p | 10:48p |
| Jul 10 | 3:01a | 4:57a | 1:18p | 6:49p | 9:32p | 10:47p |
| Jul 11 | 3:02a | 4:58a | 1:18p | 6:48p | 9:31p | 10:46p |
| Jul 12 | 3:04a | 4:59a | 1:18p | 6:48p | 9:31p | 10:45p |
| Jul 13 | 3:05a | 5:00a | 1:19p | 6:48p | 9:30p | 10:44p |
| Jul 14 | 3:07a | 5:01a | 1:19p | 6:47p | 9:29p | 10:42p |
| Jul 15 | 3:08a | 5:02a | 1:19p | 6:47p | 9:28p | 10:41p |
| Jul 16 | 3:10a | 5:03a | 1:19p | 6:46p | 9:26p | 10:40p |
| Jul 17 | 3:11a | 5:05a | 1:19p | 6:46p | 9:25p | 10:38p |
| Jul 18 | 3:13a | 5:06a | 1:19p | 6:45p | 9:24p | 10:37p |


| Jul 19 | 3:14a | 5:07a | 1:19p | 6:45p | 9:23p | 10:35p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jul 20 | 3:16a | 5:09a | 1:19p | 6:44p | 9:22p | 10:34p |
| Jul 21 | 3:18a | 5:10a | 1:19p | 6:43p | 9:20p | 10:32p |
| Jul 22 | 3:19a | 5:11a | 1:19p | 6:43p | 9:19p | 10:30p |
| Jul 23 | 3:21a | 5:13a | 1:19p | 6:42p | 9:18p | 10:29p |
| Jul 24 | 3:23a | 5:14a | 1:19p | 6:41p | 9:16p | 10:27p |
| Jul 25 | 3:25a | 5:16a | 1:19p | 6:40p | 9:15p | 10:25p |
| Jul 26 | 3:26a | 5:17a | 1:19p | 6:39p | 9:13p | 10:23p |
| Jul 27 | 3:28a | 5:19a | 1:19p | 6:39p | 9:12p | 10:22p |
| Jul 28 | 3:30a | 5:20a | 1:19p | 6:38p | 9:10p | 10:20p |
| Jul 29 | 3:32a | 5:22a | 1:19p | 6:37p | 9:09p | 10:18p |
| Jul 30 | 3:34a | 5:23a | 1:19p | 6:36p | 9:07p | 10:16p |
| Jul 31 | 3:36a | 5:25a | 1:19p | 6:35p | 9:06p | 10:14p |
| Aug 1 | 3:37a | 5:27a | 1:19p | 6:34p | 9:04p | 10:12p |
| Aug 2 | 3:39a | 5:28a | 1:19p | 6:33p | 9:02p | 10:10p |
| Aug 3 | 3:41a | 5:30a | 1:19p | 6:32p | 9:00p | 10:08p |
| Aug 4 | 3:43a | 5:31a | 1:19p | 6:31p | 8:59p | 10:06p |
| Aug 5 | 3:45a | 5:33a | 1:19p | 6:29p | 8:57p | 10:04p |
| Aug 6 | 3:47a | 5:35a | 1:19p | 6:28p | 8:55p | 10:01p |
| Aug 7 | 3:49a | 5:36a | 1:19p | 6:27p | 8:53p | 9:59p |
| Aug 8 | 3:51a | 5:38a | 1:19p | 6:26p | 8:51p | 9:58p |
| Aug 9 | 3:53a | 5:39a | 1:18p | 6:25p | 8:49p | 9:56p |
| Aug 10 | 3:55a | 5:41a | 1:18p | 6:23p | 8:47p | 9:54p |
| Aug 11 | 3:57a | 5:43a | 1:18p | 6:22p | 8:45p | 9:53p |
| Aug 12 | 3:59a | 5:44a | 1:18p | 6:21p | 8:43p | 9:51p |
| Aug 13 | 4:01a | 5:46a | 1:18p | 6:20p | 8:41p | 9:49p |
| Aug 14 | 4:03a | 5:48a | 1:18p | 6:18p | 8:39p | 9:47p |
| Aug 15 | 4:04a | 5:49a | 1:18p | 6:17p | 8:37p | 9:45p |
| Aug 16 | 4:06a | 5:51a | 1:17p | 6:15p | 8:35p | 9:44p |
| Aug 17 | 4:08a | 5:53a | 1:17p | 6:14p | 8:33p | 9:42p |
| Aug 18 | 4:10a | 5:54a | 1:17p | 6:12p | 8:31p | 9:40p |
| Aug 19 | 4:12a | 5:56a | 1:17p | 6:11p | 8:29p | 9:38p |
| Aug 20 | 4:14a | 5:58a | 1:16p | 6:09p | 8:27p | 9:36p |
| Aug 21 | 4:16a | 5:59a | 1:16p | 6:08p | 8:25p | 9:34p |


| Aug 22 | 4:18a | 6:01a | 1:16p | 6:06p | 8:22p | 9:32p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Aug 23 | 4:20a | 6:03a | 1:16p | 6:05p | 8:20p | 9:30p |
| Aug 24 | 4:22a | 6:04a | 1:15p | 6:03p | 8:18p | 9:28p |
| Aug 25 | 4:24a | 6:06a | 1:15p | 6:02p | 8:16p | 9:26p |
| Aug 26 | 4:26a | 6:08a | 1:15p | 6:00p | 8:14p | 9:24p |
| Aug 27 | 4:28a | 6:09a | 1:15p | 5:58p | 8:11p | 9:22p |
| Aug 28 | 4:30a | 6:11a | 1:14p | 5:57p | 8:09p | 9:20p |
| Aug 29 | 4:32a | 6:13a | 1:14p | 5:55p | 8:07p | 9:18p |
| Aug 30 | 4:34a | 6:14a | 1:14p | 5:53p | 8:05p | 9:16p |
| Aug 31 | 4:36a | 6:16a | 1:13p | 5:51p | 8:02p | $9: 14 \mathrm{p}$ |
| Sep 1 | 4:38a | 6:18a | 1:13p | 5:50p | 8:00p | 9:12p |
| Sep 2 | 4:40a | 6:19a | 1:13p | 5:48p | 7:58p | 9:10p |
| Sep 3 | 4:42a | 6:21a | 1:12p | 5:46p | 7:55p | 9:08p |
| Sep 4 | 4:44a | 6:23a | 1:12p | 5:44p | 7:53p | 9:06p |
| Sep 5 | 4:46a | 6:24a | 1:12p | 5:42p | 7:51p | 9:04p |
| Sep 6 | 4:48a | 6:26a | 1:12p | 5:41p | 7:48p | 9:02p |
| Sep 7 | 4:50a | 6:28a | 1:11p | 5:39p | $7: 46 \mathrm{p}$ | 9:00p |
| Sep 8 | 4:52a | 6:29a | 1:11p | 5:37p | 7:44p | 8:58p |
| Sep 9 | 4:54a | 6:31a | 1:10p | 5:35p | 7:41p | 8:56p |
| Sep 10 | 4:56a | 6:33a | 1:10p | 5:33p | 7:39p | 8:53p |
| Sep 11 | 4:58a | 6:34a | 1:10p | 5:31p | 7:37p | 8:51p |
| Sep 12 | 5:00a | 6:36a | 1:09p | 5:29p | $7: 34 \mathrm{p}$ | 8:49p |
| Sep 13 | 5:02a | 6:38a | 1:09p | 5:27p | 7:32p | 8:47p |
| Sep 14 | 5:04a | 6:40a | 1:09p | 5:25p | 7:30p | 8:45p |
| Sep 15 | 5:06a | 6:41a | 1:08p | 5:23p | 7:27p | 8:43p |
| Sep 16 | 5:08a | 6:43a | 1:08p | 5:22p | $7: 25 \mathrm{p}$ | 8:41p |
| Sep 17 | 5:09a | 6:45a | 1:08p | 5:20p | 7:22p | 8:38p |
| Sep 18 | 5:11a | 6:46a | 1:07p | 5:18p | 7:20p | 8:36p |
| Sep 19 | 5:13a | 6:48a | 1:07p | 5:16p | $7: 18 \mathrm{p}$ | 8:34p |
| Sep 20 | 5:15a | 6:50a | 1:07p | $5: 14 \mathrm{p}$ | 7:15p | 8:32p |
| Sep 21 | 5:17a | 6:51a | 1:06p | 5:12p | 7:13p | 8:30p |
| Sep 22 | 5:19a | 6:53a | 1:06p | 5:10p | 7:10p | 8:28p |
| Sep 23 | 5:21a | 6:55a | 1:06p | 5:08p | 7:08p | 8:26p |
| Sep 24 | 5:23a | 6:56a | 1:05p | 5:05p | 7:06p | 8:24p |


| Sep 25 | 5:24a | 6:58a | 1:05p | 5:03p | 7:03p | 8:21p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sep 26 | 5:26a | 7:00a | 1:04p | 5:01p | 7:01p | 8:19p |
| Sep 27 | 5:27a | 7:01a | 1:04p | 4:59p | 6:59p | 8:17p |
| Sep 28 | 5:29a | 7:03a | 1:04p | 4:57p | 6:56p | 8:15p |
| Sep 29 | 5:30a | 7:05a | 1:03p | 4:55p | 6:54p | 8:13p |
| Sep 30 | 5:32a | 7:06a | 1:03p | 4:53p | 6:51p | 8:11p |
| Oct 1 | 5:34a | 7:08a | 1:03p | 4:51p | 6:49p | 8:09p |
| Oct 2 | 5:35a | 7:10a | 1:02p | 4:49p | 6:47p | 8:07p |
| Oct 3 | 5:37a | 7:12a | 1:02p | 4:47p | $6: 44 \mathrm{p}$ | 8:04p |
| Oct 4 | 5:39a | 7:13a | 1:02p | 4:45p | 6:42p | 8:02p |
| Oct 5 | 5:40a | 7:15a | 1:02p | 4:43p | 6:40p | 8:00p |
| Oct 6 | 5:42a | 7:17a | 1:01p | 4:41p | 6:37p | 7:58p |
| Oct 7 | 5:43a | 7:19a | 1:01p | 4:39p | 6:35p | 7:56p |
| Oct 8 | 5:45a | 7:20a | 1:01p | 4:37p | 6:33p | 7:54p |
| Oct 9 | 5:47a | 7:22a | 1:00p | 4:35p | 6:30p | 7:52p |
| Oct 10 | 5:48a | 7:24a | 1:00p | 4:33p | 6:28p | 7:50p |
| Oct 11 | 5:50a | 7:26a | 1:00p | 4:30p | 6:26p | 7:48p |
| Oct 12 | 5:52a | 7:27a | 1:00p | 4:28p | 6:24p | 7:46p |
| Oct 13 | 5:53a | 7:29a | 12:59p | 4:26p | 6:21p | 7:44p |
| Oct 14 | 5:55a | 7:31a | 12:59p | 4:24p | 6:19p | 7:42p |
| Oct 15 | 5:57a | 7:33a | 12:59p | 4:22p | 6:17p | 7:40p |
| Oct 16 | 5:59a | 7:34a | 12:59p | 4:20p | 6:15p | 7:38p |
| Oct 17 | 6:00a | 7:36a | 12:58p | $4: 18 \mathrm{p}$ | 6:12p | 7:36p |
| Oct 18 | 6:02a | 7:38a | 12:58p | 4:16p | 6:10p | 7:34p |
| Oct 19 | 6:04a | 7:40a | 12:58p | $4: 14 \mathrm{p}$ | 6:08p | 7:32p |
| Oct 20 | 6:05a | 7:42a | 12:58p | 4:12p | 6:06p | 7:30p |
| Oct 21 | 6:07a | 7:43a | 12:58p | $4: 10 \mathrm{p}$ | 6:04p | 7:28p |
| Oct 22 | 6:09a | 7:45a | 12:57p | 4:08p | 6:02p | 7:26p |
| Oct 23 | 6:10a | 7:47a | 12:57p | 4:06p | 6:00p | 7:25p |
| Oct 24 | 6:12a | 7:49a | 12:57p | 4:04p | 5:58p | 7:23p |
| Oct 25 | 6:14a | 7:51a | 12:57p | 4:03p | 5:56p | 7:21p |
| Oct 26 | 6:16a | 7:53a | 12:57p | 4:01p | 5:53p | 7:19p |
| Oct 27 | 6:17a | 7:54a | 12:57p | 3:59p | 5:51p | 7:17p |
| Oct 28 | 5:19a | 6:56a | 11:57a | 2:57p | 4:49p | 6:16p |


| Oct 29 | 5:21a | 6:58a | 11:57a | 2:55p | 4:47p | 6:14p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oct 30 | 5:23a | 7:00a | 11:57a | 2:53p | 4:46p | 6:12p |
| Oct 31 | 5:24a | 7:02a | 11:57a | 2:51p | 4:44p | 6:10p |
| Nov 1 | 5:26a | 7:04a | 11:56a | 2:49p | 4:42p | 6:09p |
| Nov 2 | 5:28a | 7:05a | 11:56a | 2:48p | 4:40p | 6:07p |
| Nov 3 | 5:30a | 7:07a | 11:56a | 2:46p | 4:38p | 6:06p |
| Nov 4 | 5:31a | 7:09a | 11:56a | 2:44p | 4:36p | 6:04p |
| Nov 5 | 5:33a | 7:11a | 11:56a | 2:43p | 4:34p | 6:02p |
| Nov 6 | 5:35a | 7:13a | 11:56a | 2:41p | 4:33p | 6:01p |
| Nov 7 | 5:37a | 7:15a | 11:57a | 2:39p | 4:31p | 5:59p |
| Nov 8 | 5:38a | 7:16a | 11:57a | 2:38p | 4:29p | 5:58p |
| Nov 9 | 5:40a | 7:18a | 11:57a | 2:36p | 4:27p | 5:56p |
| Nov 10 | 5:42a | 7:20a | 11:57a | 2:34p | 4:26p | 5:55p |
| Nov 11 | 5:43a | 7:22a | 11:57a | 2:33p | 4:24p | 5:54p |
| Nov 12 | 5:45a | 7:24a | 11:57a | 2:31p | 4:23p | 5:52p |
| Nov 13 | 5:47a | 7:26a | 11:57a | 2:30p | 4:21p | 5:51p |
| Nov 14 | 5:49a | 7:27a | 11:57a | 2:29p | 4:20p | 5:50p |
| Nov 15 | 5:50a | 7:29a | 11:57a | 2:27p | 4:18p | 5:49p |
| Nov 16 | 5:52a | 7:31a | 11:57a | 2:26p | 4:17p | 5:47p |
| Nov 17 | 5:54a | 7:33a | 11:58a | 2:24p | $4: 15 \mathrm{p}$ | 5:46p |
| Nov 18 | 5:55a | 7:34a | 11:58a | 2:23p | 4:14p | 5:45p |
| Nov 19 | 5:57a | 7:36a | 11:58a | 2:22p | 4:13p | 5:44p |
| Nov 20 | 5:59a | 7:38a | 11:58a | 2:21p | 4:11p | 5:43p |
| Nov 21 | 6:00a | 7:40a | 11:59a | 2:20p | 4:10p | 5:42p |
| Nov 22 | 6:02a | 7:41a | 11:59a | 2:18p | 4:09p | 5:41p |
| Nov 23 | 6:03a | 7:43a | 11:59a | 2:17p | 4:08p | 5:40p |
| Nov 24 | 6:05a | 7:45a | 11:59a | 2:16p | 4:07p | 5:39p |
| Nov 25 | 6:07a | 7:46a | 12:00n | 2:15p | 4:06p | 5:39p |
| Nov 26 | 6:08a | 7:48a | 12:00n | 2:14p | 4:05p | 5:38p |
| Nov 27 | 6:10a | 7:50a | 12:00n | 2:14p | 4:04p | 5:37p |
| Nov 28 | 6:11a | 7:51a | 12:01p | 2:13p | 4:03p | 5:37p |
| Nov 29 | 6:12a | 7:53a | 12:01p | 2:12p | 4:02p | 5:36p |
| Nov 30 | 6:14a | 7:54a | 12:01p | 2:11p | 4:01p | 5:35p |
| Dec 1 | 6:15a | 7:56a | 12:02p | 2:10p | 4:01p | 5:35p |


| Dec 2 | 6:17a | 7:57a | 12:02p | 2:10p | 4:00p | 5:35p |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Dec 3 | 6:18a | 7:58a | 12:02p | 2:09p | 3:59p | 5:34p |
| Dec 4 | 6:19a | 8:00a | 12:03p | 2:09p | 3:59p | 5:34p |
| Dec 5 | 6:20a | 8:01a | 12:03p | 2:08p | 3:58p | 5:34p |
| Dec 6 | 6:22a | 8:02a | 12:04p | 2:08p | 3:58p | 5:33p |
| Dec 7 | 6:23a | 8:04a | 12:04p | 2:07p | 3:57p | 5:33p |
| Dec 8 | 6:24a | 8:05a | 12:04p | 2:07p | 3:57p | 5:33p |
| Dec 9 | 6:25a | 8:06a | 12:05p | 2:07p | 3:57p | 5:33p |
| Dec 10 | 6:26a | 8:07a | 12:05p | 2:07p | 3:57p | 5:33p |
| Dec 11 | 6:27a | 8:08a | 12:06p | 2:06p | 3:56p | 5:33p |
| Dec 12 | 6:28a | 8:09a | 12:06p | 2:06p | 3:56p | 5:33p |
| Dec 13 | 6:29a | 8:10a | 12:07p | 2:06p | 3:56p | 5:34p |
| Dec 14 | 6:30a | 8:11a | 12:07p | 2:06p | 3:56p | 5:34p |
| Dec 15 | 6:31a | 8:12a | 12:08p | 2:06p | 3:56p | 5:34p |
| Dec 16 | 6:31a | 8:13a | 12:08p | 2:07p | 3:56p | 5:34p |
| Dec 17 | 6:32a | 8:14a | 12:09p | 2:07p | 3:57p | 5:35p |
| Dec 18 | 6:33a | 8:15a | 12:09p | 2:07p | 3:57p | 5:35p |
| Dec 19 | 6:33a | 8:15a | 12:10p | 2:07p | 3:57p | 5:35p |
| Dec 20 | 6:34a | 8:16a | 12:10p | 2:08p | 3:58p | 5:36p |
| Dec 21 | 6:34a | 8:17a | 12:11p | 2:08p | 3:58p | 5:36p |
| Dec 22 | 6:35a | 8:17a | 12:11p | 2:08p | 3:59p | 5:37p |
| Dec 23 | 6:35a | 8:17a | 12:12p | 2:09p | 3:59p | 5:37p |
| Dec 24 | 6:36a | 8:18a | 12:12p | 2:10p | 4:00p | 5:38p |
| Dec 25 | 6:36a | 8:18a | 12:13p | 2:10p | 4:00p | 5:38p |
| Dec 26 | 6:37a | 8:19a | 12:13p | 2:11p | 4:01p | 5:39p |
| Dec 27 | 6:37a | 8:19a | 12:14p | 2:12p | 4:02p | 5:40p |
| Dec 28 | 6:37a | 8:19a | 12:14p | 2:12p | 4:03p | 5:41p |
| Dec 29 | 6:37a | 8:19a | 12:14p | 2:13p | 4:04p | 5:42p |
| Dec 30 | 6:37a | 8:19a | 12:15p | 2:14p | 4:04p | 5:42p |
| Dec 31 | 6:37a | 8:19a | 12:15p | 2:15p | 4:05p | 5:43p |

