

# The Aquatic Jewish Calendar

5780

*Euomit absorptum cæco de gutture Cætus,*

*Redditur et terre qui modo præda fuit.*

*Ionas Cap. 2. Anto. Wierinc feit.*

# The Aquatic Jewish Calendar

I recently attempted to research Aquatic Judaism for a personal project, but soon realized that almost no information about the religion exists on the Internet. In response, I've created this Aquatic Jewish calendar specifically for Terrestrial Jews, as an educational aid to better understand their Aquatic brethren.

The Terrestrial and Aquatic Judaism calendars differ in some crucial respects. The secular (Gregorian) calendar is *solar*: days, months, and years are based on the Earth's movement around the Sun. The Terrestrial Jewish calendar is *lunisolar*: Each month starts at a new moon, and each day starts at sunset. The Aquatic Jewish calendar is *lunitidal*: Each month starts at a new moon, and each day starts at high tide.

The sinusoidal waves on this calendar are graphs of predicted tidal heights in Boston, Massachusetts. For most observant Aquatic Jews, this alone is insufficiently accurate. The prudent Aquatic Jew will listen for the sound of the shofar at hide tide to determine when the day has begun or ended.

All images in this calendar are from the Met's open access collection:

<https://www.metmuseum.org/art/collection>

All tidal data was gathered from the NOAA website:

<https://opendap.co-ops.nos.noaa.gov/axis/webservices/predictions/index.jsp>

This code used to generate this calendar can be found here:

<https://github.com/subalterngames/AquaticCalendar>

If you would like your own calendar, please email me at:

[subalterngames@gmail.com](mailto:subalterngames@gmail.com)

- Seth Alter





# Tishrei

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
<b>1</b> 09.28.19 11:00 PM <b>Rosh Hashanah</b> 	<b>2</b> 09.30.19 12:00 AM <b>Rosh Hashanah</b> 	<b>3</b> 10.01.19 12:00 AM 	<b>4</b> 10.02.19 01:00 AM 	<b>5</b> 10.03.19 02:00 AM 	<b>6</b> 10.04.19 03:00 AM 	<b>7</b> 10.05.19 04:00 AM 
<b>8</b> 10.06.19 05:00 AM 	<b>9</b> 10.07.19 06:00 AM <b>Yom Kippur</b> 	<b>10</b> 10.08.19 07:00 AM 	<b>11</b> 10.09.19 08:00 AM 	<b>12</b> 10.10.19 09:00 AM 	<b>13</b> 10.11.19 10:00 AM 	<b>14</b> 10.12.19 10:00 AM 
<b>15</b> 10.13.19 11:00 AM <b>Sadot begins</b> 	<b>16</b> 10.14.19 11:00 AM 	<b>17</b> 10.15.19 12:00 PM 	<b>18</b> 10.16.19 01:00 PM 	<b>19</b> 10.17.19 01:00 PM 	<b>20</b> 10.18.19 02:00 PM 	<b>21</b> 10.19.19 03:00 PM 
<b>22</b> 10.20.19 03:00 PM <b>Sadot ends</b> 	<b>23</b> 10.21.19 04:00 PM <b>Simkhat Torah</b> 	<b>24</b> 10.22.19 06:00 PM 	<b>25</b> 10.23.19 07:00 PM 	<b>26</b> 10.24.19 08:00 PM 	<b>27</b> 10.25.19 09:00 PM 	<b>28</b> 10.26.19 10:00 PM 

**Rosh Hashanah**  
Tashlikh must be performed in a salty body of water.

**Yom Kippur**  
It's customary after reading the Book of Jonah to offer a prayer to all lost mariners.

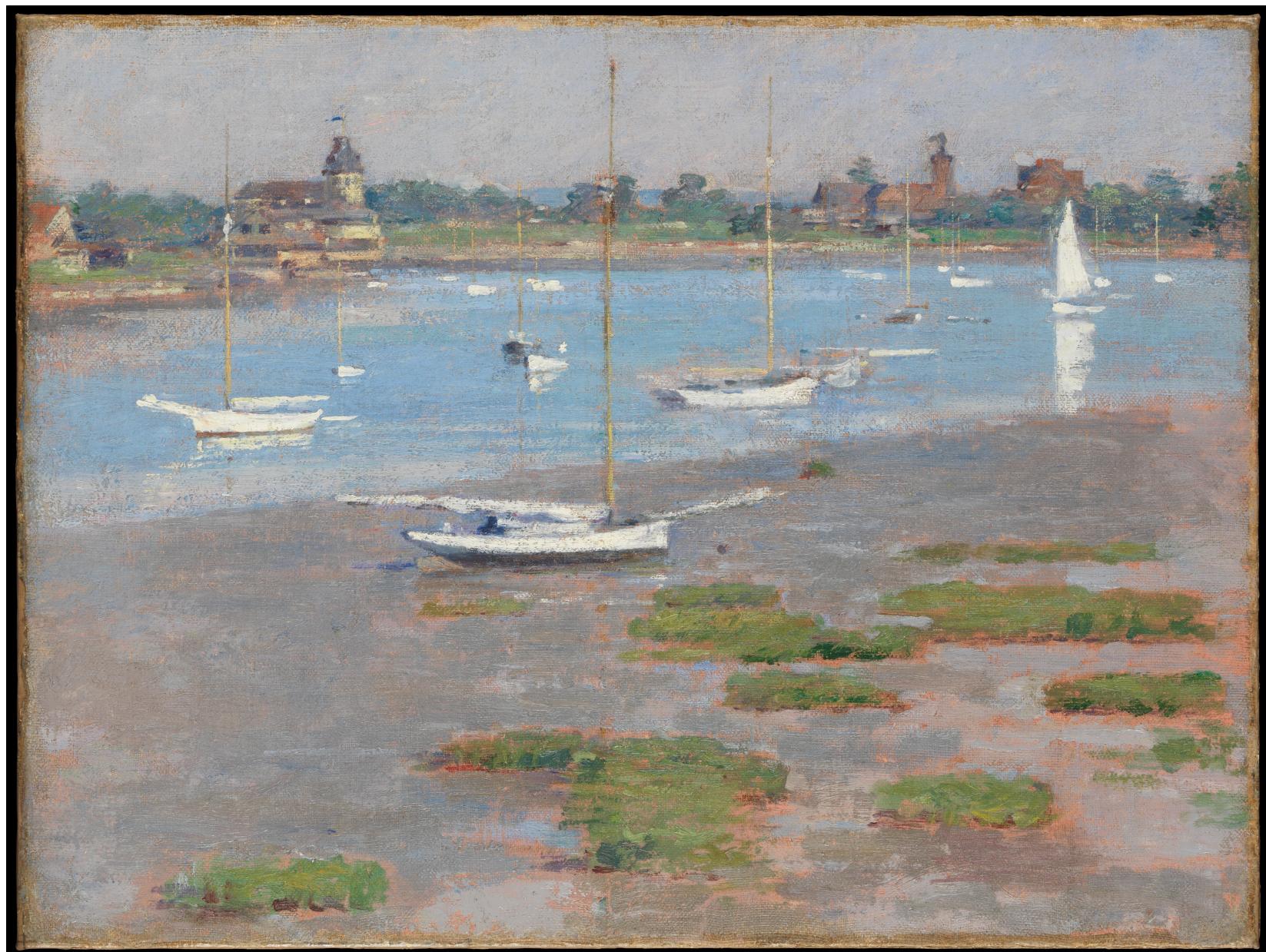
**Sadot**  
Sadot is similar to terrestrial Sukkot, but you must build a covered raft rather than a booth. The moon must be visible through the canopy.



# Kheshvan

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat	
<b>1</b> 10.27.19 10:00 PM	●	<b>2</b> 10.28.19 11:00 PM	<b>3</b> 10.30.19 12:00 AM	<b>4</b> 10.31.19 01:00 AM	<b>5</b> 11.01.19 02:00 AM	<b>6</b> 11.02.19 03:00 AM	<b>7</b> 11.03.19 04:00 AM
<b>8</b> 11.04.19 05:00 AM	○	<b>9</b> 11.05.19 06:00 AM	<b>10</b> 11.06.19 07:00 AM	<b>11</b> 11.07.19 07:00 AM	<b>12</b> 11.08.19 08:00 AM	<b>13</b> 11.09.19 09:00 AM	<b>14</b> 11.10.19 10:00 AM
<b>15</b> 11.11.19 10:00 AM <b>Keshet</b>	○	<b>16</b> 11.12.19 11:00 AM	<b>17</b> 11.13.19 11:00 AM	<b>18</b> 11.14.19 12:00 PM	<b>19</b> 11.15.19 01:00 PM	<b>20</b> 11.16.19 01:00 PM	<b>21</b> 11.17.19 02:00 PM
<b>22</b> 11.18.19 03:00 PM	○	<b>23</b> 11.19.19 04:00 PM	<b>24</b> 11.20.19 05:00 PM	<b>25</b> 11.21.19 06:00 PM	<b>26</b> 11.22.19 07:00 PM	<b>27</b> 11.23.19 08:00 PM	<b>28</b> 11.24.19 09:00 PM

**Keshet**  
*Keshet is the Festival of Rainbows, in honor of God's covenant with Noah. Aquatic Jews will read Parshat Noakh, and then spend the rest of the day singing Talmudic shanties and dancing. It is traditional on Keshet to wear brightly colored clothes.*



# Kislev

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
<b>1</b> 11.25.19 10:00 PM 	<b>2</b> 11.26.19 11:00 PM 	<b>3</b> 11.28.19 12:00 AM 	<b>4</b> 11.29.19 01:00 AM 	<b>5</b> 11.30.19 01:00 AM 	<b>6</b> 12.01.19 02:00 AM 	<b>7</b> 12.02.19 03:00 AM 
<b>8</b> 12.03.19 04:00 AM 	<b>9</b> 12.04.19 05:00 AM 	<b>10</b> 12.05.19 06:00 AM 	<b>11</b> 12.06.19 07:00 AM 	<b>12</b> 12.07.19 07:00 AM 	<b>13</b> 12.08.19 08:00 AM 	<b>14</b> 12.09.19 09:00 AM 
<b>15</b> 12.10.19 10:00 AM 	<b>16</b> 12.11.19 10:00 AM 	<b>17</b> 12.12.19 11:00 AM 	<b>18</b> 12.13.19 12:00 PM 	<b>19</b> 12.14.19 12:00 PM 	<b>20</b> 12.15.19 01:00 PM 	<b>21</b> 12.16.19 02:00 PM 
<b>22</b> 12.17.19 03:00 PM 	<b>23</b> 12.18.19 04:00 PM 	<b>24</b> 12.19.19 05:00 PM 	<b>25</b> 12.20.19 06:00 PM <b>Migdalorah begins</b> 	<b>26</b> 12.21.19 07:00 PM 	<b>27</b> 12.22.19 08:00 PM 	<b>28</b> 12.23.19 09:00 PM 
<b>29</b> 12.24.19 10:00 PM 						

**Migdalorah**  
*The Festival of Beacons is similar to terrestrial Hanukah, but instead of lighting candles, you must visit a new lighthouse each day.*



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# Tevet

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
	<b>1</b> 12.25.19 11:00 PM 	<b>2</b> 12.27.19 12:00 AM	<b>3</b> 12.28.19 12:00 AM <b>Migdalorah ends</b>	<b>4</b> 12.29.19 01:00 AM	<b>5</b> 12.30.19 02:00 AM	<b>6</b> 12.31.19 03:00 AM
<b>7</b> 01.01.20 03:00 AM	<b>8</b> 01.02.20 04:00 AM 	<b>9</b> 01.03.20 05:00 AM	<b>10</b> 01.04.20 06:00 AM	<b>11</b> 01.05.20 07:00 AM	<b>12</b> 01.06.20 07:00 AM	<b>13</b> 01.07.20 08:00 AM
<b>14</b> 01.08.20 09:00 AM	<b>15</b> 01.09.20 10:00 AM 	<b>16</b> 01.10.20 11:00 AM	<b>17</b> 01.11.20 11:00 AM	<b>18</b> 01.12.20 12:00 PM	<b>19</b> 01.13.20 01:00 PM	<b>20</b> 01.14.20 02:00 PM
<b>21</b> 01.15.20 03:00 PM	<b>22</b> 01.16.20 04:00 PM 	<b>23</b> 01.17.20 05:00 PM	<b>24</b> 01.18.20 06:00 PM	<b>25</b> 01.19.20 07:00 PM	<b>26</b> 01.20.20 08:00 PM	<b>27</b> 01.21.20 09:00 PM
<b>28</b> 01.22.20 10:00 PM	<b>29</b> 01.23.20 11:00 PM					



# Shvat

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
		1 01.24.20 11:00 PM	●	2 01.26.20 12:00 AM	3 01.27.20 01:00 AM	4 01.28.20 01:00 AM
6 01.30.20 03:00 AM	7 01.31.20 03:00 AM	8 02.01.20 04:00 AM	●	9 02.02.20 05:00 AM	10 02.03.20 06:00 AM	11 02.04.20 07:00 AM
13 02.06.20 08:00 AM	14 02.07.20 09:00 AM	15 02.08.20 10:00 AM <b>Tu b'Shvat</b>	○	16 02.09.20 11:00 AM	17 02.10.20 12:00 PM	18 02.11.20 01:00 PM
20 02.13.20 02:00 PM	21 02.14.20 03:00 PM	22 02.15.20 04:00 PM	●	23 02.16.20 05:00 PM	24 02.17.20 06:00 PM	25 02.18.20 08:00 PM
27 02.20.20 10:00 PM	28 02.21.20 10:00 PM					

**Tu b'Shvat**  
*On this day,  
you may ask to  
join a circle of  
estuarine  
kohanot. If the  
kohanot  
accede, you  
may worship  
their tree.*



# Adar

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
		1 02.22.20 11:00 PM 	2 02.24.20 12:00 AM	3 02.25.20 12:00 AM	4 02.26.20 01:00 AM	5 02.27.20 01:00 AM
6 02.28.20 02:00 AM	7 02.29.20 03:00 AM	8 03.01.20 03:00 AM 	9 03.02.20 04:00 AM	10 03.03.20 05:00 AM	11 03.04.20 06:00 AM	12 03.05.20 07:00 AM
13 03.06.20 08:00 AM	14 03.07.20 09:00 AM <b>Purim</b>	15 03.08.20 10:00 AM <b>Purim</b> 	16 03.09.20 11:00 AM	17 03.10.20 11:00 AM	18 03.11.20 12:00 PM	19 03.12.20 01:00 PM
20 03.13.20 02:00 PM	21 03.14.20 03:00 PM	22 03.15.20 04:00 PM 	23 03.16.20 05:00 PM	24 03.17.20 06:00 PM	25 03.18.20 07:00 PM	26 03.19.20 08:00 PM
27 03.20.20 09:00 PM	28 03.21.20 10:00 PM	29 03.22.20 11:00 PM				

**Purim**  
Aquatic Jews  
celebrate two  
days of Purim.



# Nisan

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
			1 03.23.20 11:00 PM 	2 03.25.20 12:00 AM 	3 03.26.20 12:00 AM 	4 03.27.20 01:00 AM 
5 03.28.20 01:00 AM 	6 03.29.20 02:00 AM 	7 03.30.20 03:00 AM 	8 03.31.20 04:00 AM 	9 04.01.20 04:00 AM 	10 04.02.20 05:00 AM 	11 04.03.20 06:00 AM 
12 04.04.20 07:00 AM 	13 04.05.20 08:00 AM 	14 04.06.20 09:00 AM 	15 04.07.20 10:00 AM <b>Pesakh begins</b> 	16 04.08.20 11:00 AM 	17 04.09.20 12:00 PM 	18 04.10.20 01:00 PM 
19 04.11.20 02:00 PM 	20 04.12.20 03:00 PM 	21 04.13.20 04:00 PM 	22 04.14.20 05:00 PM <b>Pesakh ends</b> 	23 04.15.20 06:00 PM 	24 04.16.20 07:00 PM 	25 04.17.20 08:00 PM 
26 04.18.20 09:00 PM 	27 04.19.20 09:00 PM 	28 04.20.20 10:00 PM 				

**Pesakh**  
*Aquatic Jews eat leavened bread on Pesakh but refrain from eating fish. Aquatic Haggadot commemorate the Jews who crossed the Sea of Reeds on rafts before a land passage was opened by Moses.*



# Iyar

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
			1 04.21.20 11:00 PM 	2 04.22.20 11:00 PM	3 04.24.20 12:00 AM	4 04.25.20 12:00 AM
5 04.26.20 01:00 AM	6 04.27.20 02:00 AM	7 04.28.20 02:00 AM	8 04.29.20 03:00 AM 	9 04.30.20 04:00 AM	10 05.01.20 05:00 AM	11 05.02.20 06:00 AM
12 05.03.20 07:00 AM	13 05.04.20 08:00 AM	14 05.05.20 09:00 AM	15 05.06.20 10:00 AM 	16 05.07.20 11:00 AM	17 05.08.20 12:00 PM	18 05.09.20 01:00 PM <b>Lag ba'Omer</b>
19 05.10.20 01:00 PM	20 05.11.20 02:00 PM	21 05.12.20 03:00 PM	22 05.13.20 04:00 PM	23 05.14.20 05:00 PM 	24 05.15.20 06:00 PM	25 05.16.20 07:00 PM
26 05.17.20 08:00 PM	27 05.18.20 09:00 PM	28 05.19.20 09:00 PM	29 05.20.20 10:00 PM			

**Lag ba'Omer**  
Do not sail on  
this day.



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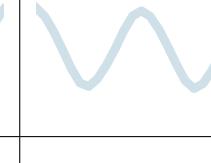
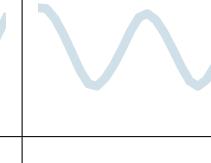
G. Courbet.

# Sivan

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
				1 05.21.20 11:00 PM 	2 05.22.20 11:00 PM 	3 05.24.20 12:00 AM 
4 05.25.20 12:00 AM	5 05.26.20 01:00 AM <b>Shavuot</b>	6 05.27.20 02:00 AM	7 05.28.20 03:00 AM	8 05.29.20 04:00 AM 	9 05.30.20 05:00 AM 	10 05.31.20 06:00 AM
11 06.01.20 07:00 AM	12 06.02.20 08:00 AM	13 06.03.20 09:00 AM	14 06.04.20 10:00 AM	15 06.05.20 11:00 AM 	16 06.06.20 11:00 AM 	17 06.07.20 12:00 PM
18 06.08.20 01:00 PM	19 06.09.20 02:00 PM	20 06.10.20 03:00 PM	21 06.11.20 04:00 PM	22 06.12.20 05:00 PM 	23 06.13.20 05:00 PM 	24 06.14.20 06:00 PM
25 06.15.20 07:00 PM	26 06.16.20 08:00 PM	27 06.17.20 09:00 PM	28 06.18.20 09:00 PM			



# Tammuz

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
				1 06.19.20 10:00 PM 	2 06.20.20 11:00 PM 	3 06.21.20 11:00 PM 
4 06.23.20 12:00 AM 	5 06.24.20 01:00 AM 	6 06.25.20 02:00 AM 	7 06.26.20 03:00 AM 	8 06.27.20 03:00 AM 	9 06.28.20 04:00 AM 	10 06.29.20 05:00 AM 
11 06.30.20 06:00 AM 	12 07.01.20 07:00 AM 	13 07.02.20 08:00 AM 	14 07.03.20 09:00 AM 	15 07.04.20 10:00 AM 	16 07.05.20 11:00 AM 	17 07.06.20 12:00 PM 
18 07.07.20 01:00 PM 	19 07.08.20 02:00 PM 	20 07.09.20 02:00 PM 	21 07.10.20 03:00 PM 	22 07.11.20 04:00 PM 	23 07.12.20 05:00 PM 	24 07.13.20 05:00 PM 
25 07.14.20 06:00 PM 	26 07.15.20 07:00 PM 	27 07.16.20 08:00 PM 	28 07.17.20 09:00 PM 	29 07.18.20 09:00 PM 		



# Av

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
					1 07.19.20 10:00 PM	● 2 07.20.20 11:00 PM
3 07.22.20 12:00 AM	4 07.23.20 01:00 AM	5 07.24.20 01:00 AM	6 07.25.20 02:00 AM	7 07.26.20 03:00 AM	8 07.27.20 04:00 AM	● 9 07.28.20 05:00 AM <b>Tisha b'Av</b>
10 07.29.20 06:00 AM	11 07.30.20 07:00 AM	12 07.31.20 08:00 AM	13 08.01.20 09:00 AM	14 08.02.20 10:00 AM	15 08.03.20 11:00 AM	○ 16 08.04.20 12:00 PM
17 08.05.20 12:00 PM	18 08.06.20 01:00 PM	19 08.07.20 02:00 PM	20 08.08.20 02:00 PM	21 08.09.20 03:00 PM	22 08.10.20 04:00 PM	● 23 08.11.20 05:00 PM
24 08.12.20 05:00 PM	25 08.13.20 06:00 PM	26 08.14.20 07:00 PM	27 08.15.20 08:00 PM	28 08.16.20 09:00 PM		

**Tisha b'Av**  
*Aquatic Jews mourn the destruction of the Temple, but don't pray for its rebuilding, for in their exile, the sea is their Temple.*



Bierstadt

# Elul

Dag	Gal	Khof	Zerem	Ruakh	Melakh	Shabbat
					1 08.17.20 10:00 PM	● 2 08.18.20 11:00 PM
3 08.19.20 11:00 PM	4 08.21.20 12:00 AM	5 08.22.20 01:00 AM	6 08.23.20 02:00 AM	7 08.24.20 03:00 AM	8 08.25.20 04:00 AM	● 9 08.26.20 05:00 AM
10 08.27.20 06:00 AM	11 08.28.20 07:00 AM	12 08.29.20 08:00 AM	13 08.30.20 09:00 AM	14 08.31.20 10:00 AM	15 09.01.20 11:00 AM	○ 16 09.02.20 11:00 AM
17 09.03.20 12:00 PM	18 09.04.20 01:00 PM	19 09.05.20 01:00 PM	20 09.06.20 02:00 PM	21 09.07.20 02:00 PM	22 09.08.20 03:00 PM	○ 23 09.09.20 04:00 PM
24 09.10.20 05:00 PM	25 09.11.20 06:00 PM	26 09.12.20 07:00 PM	27 09.13.20 08:00 PM	28 09.14.20 08:00 PM	29 09.15.20 09:00 PM	