life_at_sea_analyze

June 5, 2023

1 LASC: Life at Sea Cruise Itinerary

This is an analysis of the planned 2023-2026 Life at Sea Cruise itinerary: time planned at each port, time of each voyage, etc. This is an independent analysis, not associated with the operator of the cruise (Miray International), meant to help participants understand the plan. The itinerary is of course subject to change as explained at Life at Sea Cruise.

This works from the itinerary posted for download at https://www.lifeatseacruises.com/itinerary during initial planning as of June 1 2023.

See below for a listing of each port and how many hours the ship is scheduled to be there, as well as how long each voyage will be.

It starts off with all the Python notebook code needed to do the analysis. The notebook itself is on GitHub at Analysis of Life at Sea Cruise

```
[1]: import pandas as pd
     import matplotlib.pyplot as plt
```

```
[2]: df_itinerary = pd.read_excel("Life at Sea Itinerary.xlsx")
```

```
[3]: df_itinerary
```

```
[3]:             Date  Day        Port Country  Arrive  Depart
     0     2023-11-01  Wed    Istanbul  Turkey     NaN    16.0
     1     2023-11-02  Thu         Sea     Sea     NaN     NaN
     2     2023-11-03  Fri         Sea     Sea     NaN     NaN
     3     2023-11-04  Sat         Sea     Sea     NaN     NaN
     4     2023-11-05  Sun   Barcelona   Spain    12.0    20.0
     ...          ...  ...         ...     ...     ...     ...
     1092  2026-10-28  Wed    Kusadasi  Turkey     8.0     NaN
     1093  2026-10-29  Thu    Kusadasi  Turkey     NaN     NaN
     1094  2026-10-30  Fri    Kusadasi  Turkey     NaN    18.0
     1095  2026-10-31  Sat         Sea     Sea     NaN     NaN
     1096  2026-11-01  Sun    Istanbul  Turkey     8.0     NaN

     [1097 rows x 6 columns]
```

Here we save the Excel file in csv format.

```
[4]: df_itinerary['Country'] = df_itinerary['Country'].replace('USA, Alaska', 'USA')
```

```
[23]: df_itinerary['Country'] = df_itinerary['Country'].replace('07h16', 'Greece')
```

```
[5]: csvfile = 'life_at_sea.csv'
```

```
[6]: df_itinerary.to_csv(csvfile, index=False)
```

```
[7]: !python segments.py $csvfile > life_at_sea_segments.csv
```

You can separately run the `segments.py` code from the repository to convert that to one row per segment of the trip (port visit or sea voyage).

Next we read the result in:

```
[8]: df = pd.read_csv('life_at_sea_segments.csv')
```

```
[9]: df
```

```
[9]:          Date   Day        Port  Country  Time   Hours
     0    2023-11-01   Sun         Sea      Sea  16.0    92.0
     1    2023-11-05   Sun   Barcelona    Spain  12.0     8.0
     2    2023-11-05   Thu         Sea      Sea  20.0   262.0
     3    2023-11-16   Fri       Miami      USA  18.0    22.0
     4    2023-11-17   Mon         Sea      Sea  16.0    74.0
     ..          ...   ...         ...      ...   ...     ...
     742  2026-10-25  Tues         Sea      Sea  23.0    33.0
     743  2026-10-27  Tues      Bodrum   Turkey   8.0    12.0
     744  2026-10-27   Wed         Sea      Sea  20.0    12.0
     745  2026-10-28   Fri    Kusadasi   Turkey   8.0    58.0
     746  2026-10-30   Sun         Sea      Sea  18.0    38.0

     [747 rows x 6 columns]
```

```
[10]: ports = df[df.Port != "Sea"]
```

Distribution of length of stay at each port: median of 34 hours, max of 154.

```
[11]: ports.describe()
```

```
[11]:              Time        Hours
     count  373.000000  373.000000
     mean     8.252011   36.699732
     std      1.026937   20.057067
     min      4.000000    3.000000
     25%      8.000000   33.000000
     50%      8.000000   34.000000
     75%      8.000000   36.000000
```
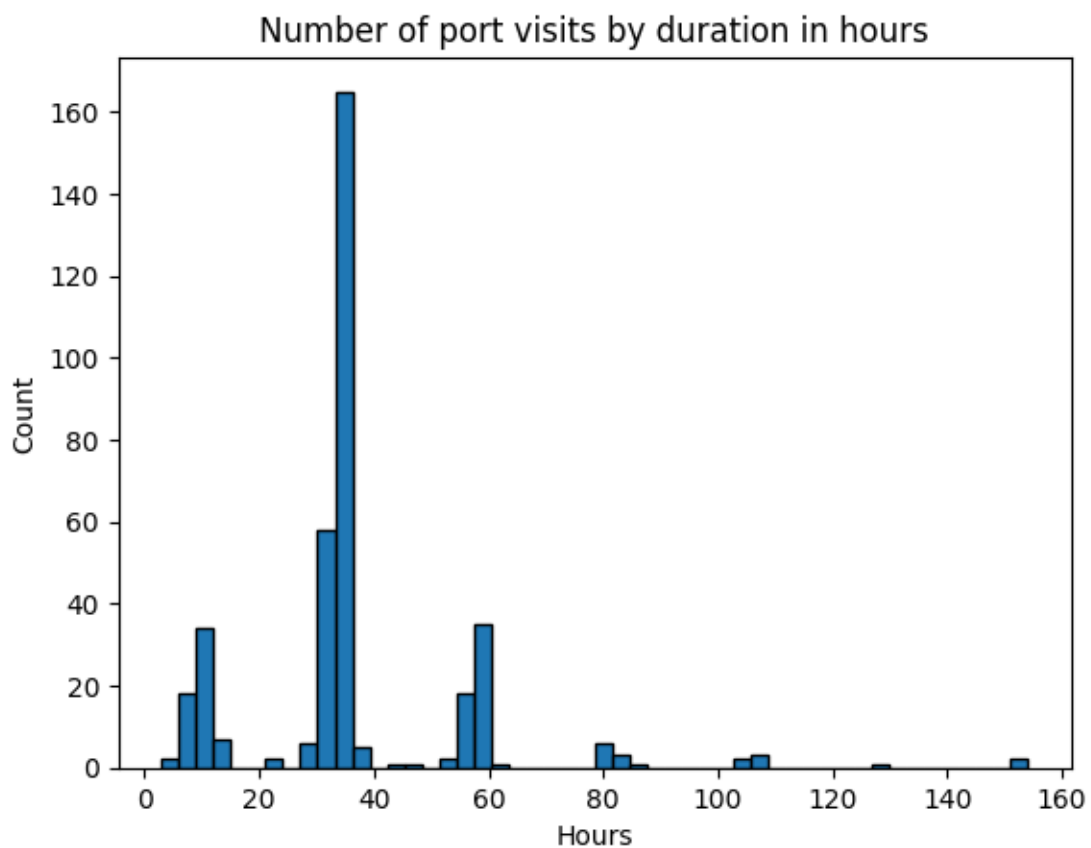
```
max       18.000000   154.000000
```

1.1 Port visits

As you see below, there are just over 160 times that the ship stays about 34 hours in port, i.e. two nights in a row. And a few times it stays just over 6 days, 7 nights

```
[12]: plt.hist(ports['Hours'], bins=50, edgecolor='black')
      plt.title('Number of port visits by duration in hours')
      plt.xlabel('Hours')
      plt.ylabel('Count')
      plt.show()
```
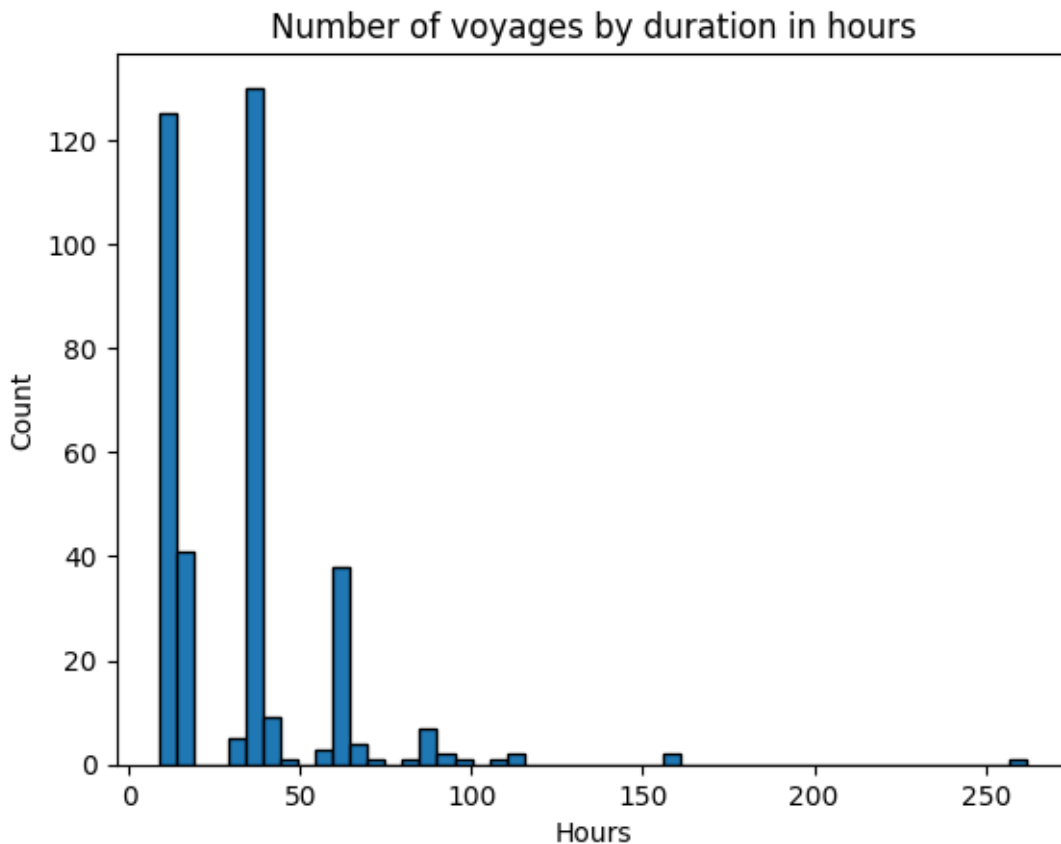


```
[13]: voyages = df[df.Port == "Sea"]
```

1.2 Voyages

Distribution of length of voyage between ports, in hours.

```
[14]: plt.hist(voyages['Hours'], bins=50, edgecolor='black')
      plt.title('Number of voyages by duration in hours')
      plt.xlabel('Hours')
      plt.ylabel('Count')
      plt.show()
```

Number of voyages by duration in hours

Move Date to index, and truncate country names so printout fits on portrait-mode PDF

1.3 Time per country

Here is a summary of how many in-port hours there are per country. Note that we treat the sea as another country, since it is easy and fun to also see total time "at sea" (between departures and arrivals).

This shows a count of 144, which would indicate 143 countries plus the sea. We manually changed "Alaska, USA" to "USA" to avoid one duplication, and fixed the name "07h16" for Santorini to "Greece". Note that Scotland, Wales, and Puerto Rico, are listed separately from their official countries. There may be other duplicates or special "countries", or the current plan may have more than the advertised country total. For example, some of the island names may be part of the same country?

E.g.

```
[15]: df_grouped = df.groupby('Country')['Hours'].sum().sort_values(ascending=False)
```

```
[16]: len(df_grouped)
```

```
[16]: 145
```

```
[17]: print(df_grouped.to_string())
```

```
Country
Sea                    12607.0
China                    921.0
USA                      689.0
Australia                568.0
Japan                    527.0
Vietnam                  471.0
Philippines              470.0
Indonesia                458.0
Mexico                   392.0
Malaysia                 320.0
French Polynesia         302.0
Greece                   267.0
Italy                    266.0
Spain                    265.0
New Zealand              262.0
Thailand                 255.0
India                    247.0
South Africa             198.0
Brazil                   193.0
France                   191.0
Colombia                 174.0
Maldives                 174.0
Taiwan                   170.0
South Korea              170.0
Norway                   154.0
Singapore                154.0
Tenerife                 139.0
Cape Verde               136.0
Madagascar               135.0
Cambodia                 132.0
Portugal                 103.0
Vanuatu                  102.0
Fiji                     102.0
Costa Rica                98.0
Netherlands               94.0
Egypt                     90.0
Chile                     89.0
Sweden                    84.0
```

Hong Kong	82.0
Nicaragua	82.0
England	80.0
Austrailia	80.0
Argentina	73.0
Iceland	72.0
Canada	72.0
Scotland	72.0
Turkey	70.0
American Samoa	68.0
Wallis and Futuna	68.0
Jamaica	68.0
Tonga	68.0
Papau New Guinea	68.0
Mozambique	68.0
Northern Mariana Islands	67.0
Sri Lanka	66.0
Timor Leste	66.0
Puerto Rico	66.0
Palau	66.0
Bahamas	58.0
Seychelles	58.0
Namibia	58.0
Comoros	58.0
New Caledonia	58.0
Croatia	58.0
Mauritius	57.0
Israel	56.0
St Helena	54.0
Cook Islands	54.0
Ireland	48.0
Corsica	48.0
UVA	44.0
Dominican Republic	44.0
Estonia	37.0
Latvia	37.0
Denmark	37.0
Uruguay	36.0
Northern Ireland	36.0
El Salvador	36.0
Germany	36.0
Finland	36.0
Panama	36.0
Morocco	35.0
Gibraltar	35.0
Wales	35.0
Senegal	34.0
St Vincent	34.0

Saint Kitts	34.0
Samoa	34.0
St Lucia	34.0
St Maartin	34.0
Toga	34.0
Tunisia	34.0
Peru	34.0
Santa Cruise Islands	34.0
Solomon Islands	34.0
Reunion	34.0
07h16	34.0
Grenada	34.0
Honduras	34.0
Bonaire	34.0
Barbados	34.0
Brunei	34.0
Aruba	34.0
Cayman Islands	34.0
Curacao	34.0
Dominica	34.0
Antigua	34.0
Belgium	34.0
Guatemala	34.0
Belize	34.0
Lithuania	34.0
Micronesia	34.0
Mayotte	34.0
Malta	34.0
Sardegnia	33.0
Guam	33.0
Tanzania	33.0
Cyprus	33.0
Galapogos	33.0
Myanmar	33.0
Poland	32.0
Faroe Islands	22.0
Ecuador	20.0
Antarctica	18.0
Monaco	15.0
Falkland Islands	13.0
Suriname	10.0
Albania	10.0
Ghana	10.0
Sao Tome and Principe	10.0
Martinique	10.0
Cote d' Ivore	10.0
Guinea	10.0
Republic of Congo	10.0

```
Sierra Leone                10.0
Bosnia & Herzegovina        10.0
Angola                      10.0
Niue                         9.0
Trinidad & Tobago            9.0
Tiwi Islands                 9.0
Gabon                        9.0
Guyana                       9.0
Liberia                      9.0
Aland                        9.0
West Indies                  9.0
```

```
[18]: ports = ports.set_index("Date")
```

```
[19]: ports.Country = ports.Country.str[:15]
```

1.4 Long port stays

Ports sorted in descending order by length of visit. 6 days == 144 hours

```
[20]: print(ports.sort_values("Hours", ascending=False).to_string())
```

	Day	Port	Country	Time	Hours
Date					
2025-10-26	Sat	Singapore	Singapore	8.0	154.0
2024-10-29	Mon	Shanghai	China	8.0	153.0
2024-10-11	Wed	Tianjin (Beijing)	China	9.0	128.0
2024-02-09	Tue	Barranquilla	Colombia	8.0	106.0
2026-02-17	Sat	Cape Town	South Africa	8.0	106.0
2024-08-25	Thu	Tokyo	Japan	8.0	106.0
2025-10-07	Sat	Bangkok	Thailand	8.0	105.0
2025-06-09	Fri	Bali	Indonesia	8.0	105.0
2026-06-01	Thurs	Le Havre (Paris)	France	8.0	86.0
2025-11-05	Sat	Port Klang (Kuala Lumpur)	Malaysia	8.0	82.0
2025-09-02	Fri	Haiphong (Hanoi)	Vietnam	8.0	82.0
2025-08-11	Thu	Hong Kong	Hong Kong	8.0	82.0
2024-10-02	Sat	Incheon (Seoul)	South Korea	8.0	81.0
2025-04-02	Sat	Sydney	Australia	9.0	81.0
2026-06-15	Thu	Tilbury (London)	England	9.0	80.0
2025-09-20	Tues	Ho Chi Minh City	Vietnam	9.0	80.0
2025-03-21	Mon	Cairns	Austrailia	10.0	80.0
2024-09-18	Sat	Taipei (Keelung)	Taiwan	10.0	79.0
2026-06-08	Wed	Amsterdam	Netherlands	8.0	62.0
2024-07-20	Mon	Juneau	USA	8.0	60.0
2024-07-01	Wed	San Francisco	USA	8.0	60.0
2025-07-09	Fri	Boracay	Philippines	8.0	58.0
2025-07-13	Tues	Manila	Philippines	8.0	58.0
2024-03-22	Sun	Nassau	Bahamas	8.0	58.0

Date	Day	City	Country		
2025-03-29	Mon	Brisbane	Australia	8.0	58.0
2025-03-15	Mon	Noumea	New Caledonia	8.0	58.0
2025-02-06	Sat	Bora Bora	French Polynesi	8.0	58.0
2025-07-23	Friday	Xiamen	China	8.0	58.0
2024-04-04	Sat	Cozumel	Mexico	8.0	58.0
2024-04-07	Tues	Costa Maya	Mexico	8.0	58.0
2024-09-02	Wed	Kobe (Osaka)	Japan	8.0	58.0
2024-08-15	Sat	Sapporo	Japan	8.0	58.0
2024-06-16	Tues	Honolulu	USA	8.0	58.0
2024-05-30	Sat	Cabo San Lucas	Mexico	8.0	58.0
2025-07-20	Tues	Tainan City	Taiwan	8.0	58.0
2026-10-28	Fri	Kusadasi	Turkey	8.0	58.0
2024-05-19	Tues	Acapulco	Mexico	8.0	58.0
2025-12-19	Sun	Male	Maldives	8.0	58.0
2026-10-01	Sat	Piraeus (Athens)	Greece	8.0	58.0
2026-09-20	Tues	Dubrovnik	Croatia	8.0	58.0
2026-09-03	Sat	Civitavecchia	Italy	8.0	58.0
2026-08-24	Wed	Cadiz	Spain	8.0	58.0
2026-02-24	Thu	Walvis Bay	Namibia	8.0	58.0
2026-02-10	Thu	Durban	South Africa	8.0	58.0
2026-01-09	Sun	Ndzouani	Comoros	8.0	58.0
2026-01-01	Sat	Seychelles	Seychelles	8.0	58.0
2025-08-15	Sun	Guangzhou	China	8.0	58.0
2025-12-23	Thu	Nilandhoo	Maldives	8.0	58.0
2025-12-26	Sun	Addu City	Maldives	8.0	58.0
2024-05-25	Mon	Puerto Vallarta	Mexico	8.0	58.0
2025-12-15	Wed	Cheriyam Islands	India	8.0	58.0
2025-11-13	Sat	Phuket	Thailand	8.0	58.0
2025-10-13	Wed	Koh Sumai	Thailand	8.0	58.0
2025-08-18	Wed	Macao	China	8.0	58.0
2025-05-27	Thu	Darwin	Australia	8.0	57.0
2026-10-09	Sun	Port Said	Egypt	8.0	57.0
2024-04-21	Tues	Limon	Costa Rica	8.0	57.0
2025-06-20	Sun	Jakarta	Indonesia	8.0	57.0
2025-09-12	Sun	Da Nang	Vietnam	8.0	57.0
2024-11-22	Sun	Davao	Philippines	8.0	57.0
2026-05-15	Sun	Barcelona	Spain	8.0	57.0
2024-11-13	Fri	Cebu City	Philippines	8.0	57.0
2026-01-22	Sat	Port Louis	Mauritius	9.0	57.0
2025-11-30	Tues	Chennai	India	8.0	57.0
2025-04-13	Tues	Wellington	New Zealand	10.0	56.0
2024-09-28	Mon	Busan	South Korea	9.0	56.0
2026-10-12	Wed	Tel Aviv	Israel	8.0	56.0
2025-05-13	Thu	Perth	Australia	9.0	56.0
2025-05-02	Sun	Melbourne	Australia	9.0	56.0
2023-12-23	Mon	Rio de Janeiro	Brazil	8.0	56.0
2025-04-16	Fri	Christchurch	New Zealand	8.0	55.0
2025-08-30	Mon	Ha Long	Vietnam	11.0	55.0

2026-03-03	Thu	Jamestown	St Helena	12.0	54.0
2025-04-09	Friday	Auckland	New Zealand	11.0	52.0
2026-06-22	Wed	Dublin	Ireland	8.0	48.0
2024-03-13	Thu	Esperanza	Puerto Rico	4.0	43.0
2026-10-24	Sun	Mykonos	Greece	8.0	39.0
2026-08-28	Sat	Ibiza	Spain	9.0	38.0
2026-07-26	Mon	Copenhagen	Denmark	8.0	37.0
2026-08-07	Sat	Riga	Latvia	8.0	37.0
2026-08-04	Wed	Tallinn	Estonia	8.0	37.0
2024-07-28	Mon	Seward	USA	8.0	36.0
2024-07-31	Thu	Anchorage	USA	8.0	36.0
2026-05-06	Thu	Florence (Livorno)	Italy	8.0	36.0
2026-05-04	Tues	Bastia	Corsica	8.0	36.0
2024-08-03	Sun	Kodiak Island	USA	8.0	36.0
2026-05-24	Mon	Porto	Portugal	8.0	36.0
2024-12-11	Thu	Helen Reef	Palau	8.0	36.0
2026-05-08	Sat	Genoa	Italy	8.0	36.0
2026-07-24	Sat	Gothenburg	Sweden	8.0	36.0
2023-12-31	Mon	Montevideo	Uruguay	8.0	36.0
2024-01-02	Wed	Buenos Aries	Argentina	8.0	36.0
2024-07-23	Wed	Skagway	USA	8.0	36.0
2024-07-14	Mon	Ketchikan	USA	8.0	36.0
2024-07-17	Thu	Sitka	USA	8.0	36.0
2026-07-06	Tues	Reykjavik	Iceland	8.0	36.0
2024-05-11	Sun	Acajulta	El Salvador	8.0	36.0
2026-08-20	Fri	Bilbao	Spain	9.0	36.0
2026-05-11	Tues	Cannes / St Tropez	France	8.0	36.0
2026-06-12	Sat	Hamburg	Germany	8.0	36.0
2026-06-24	Thu	Belfast	Northern Irelan	8.0	36.0
2026-06-26	Sat	Greenock	Scotland	8.0	36.0
2026-06-30	Wed	Aberdeen	Scotland	8.0	36.0
2026-07-09	Fri	Eskifjordhur	Iceland	8.0	36.0
2026-07-13	Tues	Trondheim	Norway	8.0	36.0
2024-07-06	Sun	Seattle	USA	8.0	36.0
2024-07-08	Tues	Vancouver	Canada	8.0	36.0
2024-07-10	Thu	Victoria	Canada	8.0	36.0
2026-05-28	Fri	Bordeaux	France	8.0	36.0
2026-08-02	Mon	Helsinki	Finland	8.0	36.0
2026-04-14	Wed	Puerto Del Rosario	Tenerife	8.0	35.0
2026-04-16	Fri	Puerto Del Carmen	Tenerife	8.0	35.0
2026-04-12	Mon	Maspalomas	Tenerife	8.0	35.0
2026-04-25	Sun	Gibraltar	Gibraltar	8.0	35.0
2026-04-19	Mon	Funchal	Portugal	8.0	35.0
2026-07-30	Fri	Stockholm	Sweden	8.0	35.0
2026-04-22	Thu	Casablanca	Morocco	8.0	35.0
2026-07-18	Sun	Bergen	Norway	8.0	35.0
2026-07-16	Fri	Alesund	Norway	8.0	35.0
2026-06-20	Sun	Cardiff	Wales	9.0	35.0

2026-05-18	Tues	Valencia	Spain	8.0	35.0
2025-07-30	Thu	Ningbo	China	8.0	34.0
2025-08-02	Sun	Qingdao	China	8.0	34.0
2024-02-15	Fri	Oranjestad	Aruba	8.0	34.0
2025-08-05	Wed	Wenzhou	China	8.0	34.0
2025-08-08	Sat	Fuzhou	China	8.0	34.0
2025-07-27	Mon	Taizhou	China	8.0	34.0
2025-08-22	Sat	Zhanjiang	China	8.0	34.0
2024-02-17	Sun	Willemtstad	Curacao	8.0	34.0
2025-07-17	Fri	Fuga Island	Philippines	8.0	34.0
2024-02-19	Tue	Kralendijk	Bonaire	8.0	34.0
2024-02-22	Fri	St George's	Grenada	8.0	34.0
2025-07-07	Tues	Coron	Philippines	8.0	34.0
2025-07-05	Sun	Puerto Princesa	Philippines	8.0	34.0
2025-07-02	Thu	Bandar Seri Begewan	Brunei	8.0	34.0
2024-02-24	Sun	Arnos Vale	St Vincent	8.0	34.0
2026-04-29	Thu	Tunis	Tunisia	8.0	34.0
2024-02-28	Thu	Castries	St Lucia	8.0	34.0
2023-12-11	Tue	Sao Louis	Brazil	8.0	34.0
2026-04-02	Fri	Boa Vista	Cape Verde	8.0	34.0
2024-03-04	Tue	St Johns	Antigua	8.0	34.0
2024-03-06	Thu	Basseterre	Saint Kitts	8.0	34.0
2024-02-26	Tue	Bridgetown	Barbados	8.0	34.0
2025-10-22	Thu	Pahang	Malaysia	8.0	34.0
2024-05-09	Fri	Corinto	Nicaragua	8.0	34.0
2025-08-24	Mon	Haikou	China	8.0	34.0
2026-03-28	Sun	Dakar	Senegal	8.0	34.0
2026-06-06	Sun	Port of Antwerp	Belgium	8.0	34.0
2026-03-17	Wed	Lome	Toga	8.0	34.0
2026-02-14	Sun	Port Elizabeth	South Africa	8.0	34.0
2026-02-07	Sun	Maputo	Mozambique	8.0	34.0
2026-02-04	Thu	Bazaruto	Mozambique	8.0	34.0
2026-02-01	Mon	Morondava	Madagascar	8.0	34.0
2026-01-25	Mon	La Possession	Reunion	8.0	34.0
2026-04-04	Sun	Santa Maria	Cape Verde	8.0	34.0
2026-01-18	Mon	Nozy Be	Madagascar	8.0	34.0
2026-01-15	Fri	Mahajanga	Madagascar	8.0	34.0
2026-01-12	Tues	Mayotte	Mayotte	8.0	34.0
2026-07-22	Thu	Oslo	Norway	8.0	34.0
2025-11-11	Wed	Lankawi	Malaysia	8.0	34.0
2025-11-09	Mon	Penang	Malaysia	8.0	34.0
2025-11-03	Tues	Muar	Malaysia	8.0	34.0
2025-10-24	Sat	Kuala Rompin	Malaysia	8.0	34.0
2024-03-08	Sat	Philipsburg	St Maarten	8.0	34.0
2025-10-20	Tues	Terengganu	Malaysia	8.0	34.0
2025-10-18	Sun	Kelantan	Malaysia	8.0	34.0
2025-10-16	Fri	Songkhla	Thailand	8.0	34.0
2026-08-10	Tues	Klaipeda	Lithuania	8.0	34.0

2026-04-06	Tues	Porto Nova	Cape Verde	8.0	34.0
2026-04-10	Sat	Santa Cruz	Tenerife	9.0	34.0
2025-09-07	Mon	Thanh Hoa	Vietnam	8.0	34.0
2024-01-30	Wed	Callao	Peru	8.0	34.0
2025-08-27	Thu	Sanya	China	8.0	34.0
2025-03-25	Wed	Townsville	Australia	8.0	34.0
2024-03-02	Sun	Roseau	Dominica	8.0	34.0
2026-09-06	Mon	Naples	Italy	8.0	34.0
2024-10-25	Sat	Wu Hu	China	7.0	34.0
2024-09-05	Fri	Kochi	Japan	8.0	34.0
2024-09-07	Sun	Miyazaki	Japan	8.0	34.0
2024-09-09	Tues	Minamitane	Japan	8.0	34.0
2024-09-11	Thurs	Amami	Japan	8.0	34.0
2024-09-13	Sat	Naha	Japan	8.0	34.0
2024-04-01	Tues	Georgetown	Cayman Islands	8.0	34.0
2024-03-29	Sat	Montego Bay	Jamaica	8.0	34.0
2024-03-27	Thu	Ocho Rios	Jamaica	8.0	34.0
2024-03-16	Sun	Santo Domingo	Dominican Repub	8.0	34.0
2025-01-01	Thu	Honiara	Solomon Islands	8.0	34.0
2025-03-10	Tues	Nuku Alofa	Tonga	8.0	34.0
2024-12-04	Thu	Sinapalu	Northern Marian	8.0	34.0
2024-12-07	Sun	Colonia	Micronesia	8.0	34.0
2024-12-14	Sun	Sorong	Indonesia	8.0	34.0
2024-12-17	Wed	Fakfak	Indonesia	8.0	34.0
2024-12-20	Sat	Aru Islands	Indonesia	8.0	34.0
2024-12-23	Tues	Thursday Island	Australia	8.0	34.0
2024-12-26	Friday	Port Moresbury	Papau New Guine	8.0	34.0
2024-04-10	Thu	Port of Belize	Belize	8.0	34.0
2024-08-30	Sat	Hamamatsu	Japan	8.0	34.0
2024-04-12	Sat	Roatan	Honduras	8.0	34.0
2024-08-22	Fri	Sendai	Japan	8.0	34.0
2024-05-13	Tues	Port of San Jose	Guatemala	8.0	34.0
2024-05-16	Fri	Salina Cruz	Mexico	8.0	34.0
2024-05-23	Fri	Manzanillo	Mexico	8.0	34.0
2024-05-28	Wed	Mazatlan	Mexico	8.0	34.0
2024-06-04	Wed	San Diego	USA	8.0	34.0
2024-06-06	Fri	Los Angeles	USA	8.0	34.0
2024-06-14	Sat	Nawiliwili	USA	8.0	34.0
2024-06-19	Thu	Maui (Lahaina)	USA	8.0	34.0
2024-06-21	Sat	Kailua Kona	USA	8.0	34.0
2024-06-23	Mon	Hilo	USA	8.0	34.0
2024-04-19	Sat	Corn Islands	Nicaragua	8.0	34.0
2026-10-22	Fri	Naxos	Greece	8.0	34.0
2024-04-17	Thu	San Andres	Colombia	8.0	34.0
2026-10-20	Wed	Santorini	07h16	8.0	34.0
2026-10-18	Mon	Rhodes	Greece	8.0	34.0
2024-04-15	Tues	Providencia	Colombia	8.0	34.0
2024-08-19	Tues	Hachinohe	Japan	8.0	34.0

Date	Day	City	Country		
2024-12-29	Mon	Wesleyan Island	Papau New Guine	8.0	34.0
2026-03-31	Wed	Praia	Cape Verde	8.0	34.0
2025-01-04	Sun	Noli	Santa Cruise Is	8.0	34.0
2025-01-28	Wed	Apia	Samoa	8.0	34.0
2026-10-04	Mon	Heraklion	Greece	8.0	34.0
2026-09-17	Friday	Venice	Italy	8.0	34.0
2025-01-07	Wed	Port Olry	Vanuatu	8.0	34.0
2025-02-13	Fri	Papeete	French Polynesi	8.0	34.0
2025-02-15	Sun	Moorea	French Polynesi	8.0	34.0
2024-03-11	Tues	St Thomas	UVA	8.0	34.0
2025-02-18	Wed	Rangiroa	French Polynesi	8.0	34.0
2025-02-20	Fri	Niau	French Polynesi	8.0	34.0
2025-02-01	Sun	Luma Manu'a	American Samoa	8.0	34.0
2025-02-22	Sun	Anaa	French Polynesi	8.0	34.0
2026-09-26	Sun	Corfu	Greece	8.0	34.0
2025-01-30	Fri	Pago Pago	American Samoa	8.0	34.0
2025-02-25	Wed	Rurutu	French Polynesi	8.0	34.0
2026-09-14	Tues	Bari	Italy	8.0	34.0
2026-09-08	Wed	Palermo	Italy	8.0	34.0
2025-01-10	Sat	Port Vila	Vanuatu	8.0	34.0
2025-01-12	Mon	Lenakei	Vanuatu	8.0	34.0
2025-01-16	Fri	Port Denarau	Fiji	8.0	34.0
2025-01-18	Sun	Suva	Fiji	8.0	34.0
2025-01-20	Tues	Lekutu	Fiji	8.0	34.0
2025-01-25	Sun	Matu Utu	Wallis and Futu	8.0	34.0
2025-03-08	Sun	Neiafu	Tonga	8.0	34.0
2025-01-23	Fri	Ono	Wallis and Futu	8.0	34.0
2026-09-11	Sat	Valetta	Malta	8.0	34.0
2025-03-02	Mon	Rarotonga	Cook Islands	8.0	34.0
2026-09-28	Tues	Katakolon	Greece	8.0	34.0
2025-06-03	Wed	Pante Macassar	Timor Leste	8.0	33.0
2025-04-21	Tues	Bluff	New Zealand	8.0	33.0
2025-06-15	Mon	Surabaya	Indonesia	8.0	33.0
2026-01-06	Wed	Zanzibar	Tanzania	9.0	33.0
2024-04-26	Sat	Panama City	Panama	8.0	33.0
2025-06-06	Sat	Labuan Bajo	Indonesia	8.0	33.0
2025-04-24	Fri	Milford Sound	New Zealand	8.0	33.0
2026-05-01	Sat	Cagliari	Sardegnia	9.0	33.0
2024-05-02	Fri	Puerto Ayaora	Galapogos	8.0	33.0
2026-08-30	Mon	Palma	Spain	9.0	33.0
2025-04-29	Wed	Hobart (Tazmania)	Australia	8.0	33.0
2026-01-29	Fri	Toliara	Madagascar	9.0	33.0
2025-05-23	Sat	Broome	Australia	8.0	33.0
2024-08-13	Wed	Wakkanai	Japan	9.0	33.0
2025-04-19	Sun	Dunedin	New Zealand	8.0	33.0
2025-06-01	Mon	Dili	Timor Leste	8.0	33.0
2025-06-25	Thu	Mentok	Indonesia	8.0	33.0
2024-09-16	Tues	Kaohsiungsing City	Taiwan	8.0	33.0

2026-05-13	Thu	Marseille	France	8.0	33.0
2025-09-09	Wed	Vinh	Vietnam	8.0	33.0
2024-12-02	Tues	Saipan	Northern Marian	8.0	33.0
2025-09-16	Wed	Tuy Hoa	Vietnam	8.0	33.0
2024-11-30	Sun	Apra Harbor	Guam	8.0	33.0
2024-11-17	Mon	Tagbilaran	Philippines	8.0	33.0
2026-10-07	Thu	Alexandria	Egypt	8.0	33.0
2025-09-29	Tues	Krong Kampot	Cambodia	8.0	33.0
2025-10-01	Thu	Preah Sihanouk	Cambodia	8.0	33.0
2025-10-03	Sat	Koh Rong Sanloem	Cambodia	8.0	33.0
2025-10-05	Mon	Rayong Thailan	Cambodia	8.0	33.0
2024-11-10	Mon	Virac (Catanduanes Islands)	Philippines	8.0	33.0
2024-11-07	Fri	Babuyan Islands	Philippines	8.0	33.0
2024-10-18	Sat	Yantai	China	8.0	33.0
2025-12-12	Sat	Kochi	India	8.0	33.0
2026-10-15	Fri	Limassol	Cyprus	9.0	33.0
2024-10-09	Thu	Yingkou	China	8.0	33.0
2024-10-07	Tues	Dalian	China	8.0	33.0
2025-06-28	Sun	Pontinak Kota	Indonesia	8.0	33.0
2024-09-26	Fri	Je Ju Do Island	South Korea	8.0	33.0
2024-09-23	Tues	Thaizhou	China	8.0	33.0
2025-11-18	Wed	Port Blair	India	8.0	33.0
2025-11-21	Sat	Yangon	Myanmar	8.0	33.0
2025-11-24	Tues	St Maartins Island	Sri Lanka	8.0	33.0
2025-11-27	Fri	Kolkata	India	8.0	33.0
2025-12-03	Thu	Karaikal	India	8.0	33.0
2025-12-05	Sat	Jaffna	Sri Lanka	8.0	33.0
2025-09-27	Sun	Rach Gia	Vietnam	8.0	33.0
2025-05-20	Wed	Port Hedland	Australia	9.0	32.0
2026-05-22	Sat	Lisbon	Portugal	9.0	32.0
2024-01-18	Fri	Punta Arenas	Chile	8.0	32.0
2025-09-24	Thu	Can Tho	Vietnam	9.0	32.0
2024-05-06	Tues	Puntarenas	Costa Rica	8.0	32.0
2025-09-18	Fri	Phan Thiet	Vietnam	9.0	32.0
2025-05-06	Wed	Adelaide	Australia	9.0	32.0
2026-08-12	Thu	Gdansk	Poland	8.0	32.0
2026-08-16	Mon	Rotterdam	Netherlands	9.0	32.0
2025-06-17	Wed	Semerang	Indonesia	9.0	32.0
2025-05-10	Sun	Esperance	Australia	10.0	31.0
2025-05-16	Sat	Geraldton	Australia	10.0	31.0
2025-06-23	Tues	Tanjung Pandan Island	Indonesia	11.0	30.0
2024-11-26	Wed	Koror	Palau	11.0	30.0
2024-11-19	Wed	Siargao Island	Philippines	11.0	30.0
2024-01-27	Sun	Puerto de Arica	Chile	11.0	29.0
2024-10-22	Wed	Zhenjiang	China	13.0	28.0
2024-01-23	Wed	Valparaiso	Chile	14.0	28.0
2023-11-20	Tues	San Juan	Puerto Rico	18.0	23.0
2023-11-16	Fri	Miami	USA	18.0	22.0

Date	Day	City	Country		
2026-05-10	Sun	Monte Carlo	Monaco	8.0	15.0
2026-07-20	Mon	Stavanger	Norway	8.0	14.0
2024-05-08	Wed	San Juan Del Sur	Nicaragua	8.0	14.0
2024-01-07	Sun	Puerto Madryn	Argentina	8.0	13.0
2026-07-29	Wed	Visby	Sweden	8.0	13.0
2024-01-10	Wed	Port Stanley	Falkland Island	8.0	13.0
2024-01-16	Tue	Ushuaia	Argentina	8.0	13.0
2024-01-13	Sat	Deception Island	Antarctica	8.0	12.0
2026-05-03	Sun	Bonifacio	Corsica	8.0	12.0
2024-07-25	Thu	Haines	USA	8.0	12.0
2026-07-03	Fri	Runavik	Faroe Islands	8.0	12.0
2026-10-27	Tues	Bodrum	Turkey	8.0	12.0
2024-07-13	Sat	Prince Rupert	USA	9.0	11.0
2024-01-05	Fri	Bahia Blanca	Argentina	9.0	11.0
2024-03-10	Sun	Tortola	UVA	8.0	10.0
2023-11-30	Thu	Macapa	Brazil	8.0	10.0
2025-02-11	Tues	Huahine	French Polynesi	8.0	10.0
2024-03-01	Fri	Fort-De-France	Martinique	8.0	10.0
2025-02-10	Mon	Raiatea	French Polynesi	8.0	10.0
2025-02-09	Sun	Tahaa	French Polynesi	8.0	10.0
2025-03-04	Tues	Amuri	Cook Islands	8.0	10.0
2024-02-04	Sun	Manta	Ecuador	8.0	10.0
2025-03-01	Sat	Atiu	Cook Islands	8.0	10.0
2025-02-12	Wed	Tetiaroa	French Polynesi	8.0	10.0
2023-11-27	Mon	Paramaribo	Suriname	8.0	10.0
2024-02-03	Sat	Balao	Ecuador	8.0	10.0
2026-09-25	Fri	Sarande	Albania	8.0	10.0
2026-07-04	Sat	Klaksvik	Faroe Islands	8.0	10.0
2026-03-26	Thu	Canakry	Guinea	8.0	10.0
2023-12-09	Sat	Belem	Brazil	8.0	10.0
2026-03-25	Wed	Freetown	Sierra Leone	8.0	10.0
2026-03-21	Sat	Abidjan	Cote d' Ivore	8.0	10.0
2026-03-19	Thu	Accra	Ghana	8.0	10.0
2026-03-15	Sun	Sao Tome	Sao Tome and Pr	8.0	10.0
2026-03-11	Wed	Pointe Noire	Republic of Con	8.0	10.0
2026-03-10	Tues	Luanda	Angola	8.0	10.0
2024-08-08	Thu	Adak	USA	8.0	10.0
2023-12-20	Wed	Salvador	Brazil	8.0	10.0
2024-03-19	Tues	Puerto Plata	Dominican Repub	8.0	10.0
2023-12-28	Thu	Florianopolis	Brazil	8.0	10.0
2026-09-23	Wed	Neum	Bosnia & Herzeg	8.0	10.0
2023-11-26	Sun	Goergetown	Guyana	8.0	9.0
2023-11-24	Fri	Port of Spain	Trinidad & Toba	8.0	9.0
2024-03-20	Wed	Matthew Town	West Indies	9.0	9.0
2024-04-29	Mon	Esmeraldes	Costa Rica	8.0	9.0
2024-11-16	Sat	Apo Island	Philippines	8.0	9.0
2023-12-14	Thu	Fortaleza	Brazil	8.0	9.0
2025-03-06	Thu	Patuoko	Niue	9.0	9.0

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2025-05-30       Fri                   Pirlagimpi     Tiwi Islands   8.0    9.0
2023-12-03       Sun                    Parantins           Brazil   8.0    9.0
2026-08-01       Sat                    Mariehamn            Aland    8.0    9.0
2023-12-26       Tue      Santos (Sao Paulo)               Brazil    9.0    9.0
2023-12-18       Mon                       Maceio           Brazil   8.0    9.0
2023-12-17       Sun                       Recife           Brazil   8.0    9.0
2023-12-16       Sat                        Natal           Brazil   8.0    9.0
2026-03-13       Fri                   Libreville            Gabon   9.0    9.0
2026-03-23       Mon                     Monrovia          Liberia   9.0    9.0
2023-12-05      Tues                       Manaus           Brazil   8.0    9.0
2023-11-05       Sun                    Barcelona            Spain  12.0    8.0
2024-01-14       Sun            Half Moon Island       Antarctica   8.0    6.0
2024-02-07       Wed                 Panama Canal           Panama   8.0    3.0
```

1.5   Ports in chronological order

```
[21]: print(ports.to_string())
```

```
                 Day                     Port         Country  Time  Hours
Date
2023-11-05       Sun                Barcelona           Spain  12.0    8.0
2023-11-16       Fri                    Miami             USA  18.0   22.0
2023-11-20      Tues                 San Juan     Puerto Rico  18.0   23.0
2023-11-24       Fri            Port of Spain   Trinidad & Toba  8.0    9.0
2023-11-26       Sun                Goergetown          Guyana   8.0    9.0
2023-11-27       Mon                Paramaribo        Suriname   8.0   10.0
2023-11-30       Thu                   Macapa           Brazil   8.0   10.0
2023-12-03       Sun                 Parantins           Brazil   8.0    9.0
2023-12-05      Tues                    Manaus           Brazil   8.0    9.0
2023-12-09       Sat                     Belem           Brazil   8.0   10.0
2023-12-11       Tue                 Sao Louis           Brazil   8.0   34.0
2023-12-14       Thu                 Fortaleza           Brazil   8.0    9.0
2023-12-16       Sat                     Natal           Brazil   8.0    9.0
2023-12-17       Sun                    Recife           Brazil   8.0    9.0
2023-12-18       Mon                    Maceio           Brazil   8.0    9.0
2023-12-20       Wed                  Salvador           Brazil   8.0   10.0
2023-12-23       Mon            Rio de Janeiro           Brazil   8.0   56.0
2023-12-26       Tue       Santos (Sao Paulo)           Brazil   9.0    9.0
2023-12-28       Thu              Florianopolis          Brazil   8.0   10.0
2023-12-31       Mon                Montevideo          Uruguay   8.0   36.0
2024-01-02       Wed              Buenos Aries        Argentina   8.0   36.0
2024-01-05       Fri              Bahia Blanca        Argentina   9.0   11.0
2024-01-07       Sun             Puerto Madryn        Argentina   8.0   13.0
2024-01-10       Wed              Port Stanley   Falkland Island   8.0   13.0
2024-01-13       Sat           Deception Island      Antarctica   8.0   12.0
2024-01-14       Sun           Half Moon Island      Antarctica   8.0    6.0
2024-01-16       Tue                   Ushuaia        Argentina   8.0   13.0
2024-01-18       Fri               Punta Arenas           Chile   8.0   32.0
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2024-01-23	Wed	Valparaiso	Chile	14.0	28.0
2024-01-27	Sun	Puerto de Arica	Chile	11.0	29.0
2024-01-30	Wed	Callao	Peru	8.0	34.0
2024-02-03	Sat	Balao	Ecuador	8.0	10.0
2024-02-04	Sun	Manta	Ecuador	8.0	10.0
2024-02-07	Wed	Panama Canal	Panama	8.0	3.0
2024-02-09	Tue	Barranquilla	Colombia	8.0	106.0
2024-02-15	Fri	Oranjestad	Aruba	8.0	34.0
2024-02-17	Sun	Willemtstad	Curacao	8.0	34.0
2024-02-19	Tue	Kralendijk	Bonaire	8.0	34.0
2024-02-22	Fri	St George's	Grenada	8.0	34.0
2024-02-24	Sun	Arnos Vale	St Vincent	8.0	34.0
2024-02-26	Tue	Bridgetown	Barbados	8.0	34.0
2024-02-28	Thu	Castries	St Lucia	8.0	34.0
2024-03-01	Fri	Fort-De-France	Martinique	8.0	10.0
2024-03-02	Sun	Roseau	Dominica	8.0	34.0
2024-03-04	Tue	St Johns	Antigua	8.0	34.0
2024-03-06	Thu	Basseterre	Saint Kitts	8.0	34.0
2024-03-08	Sat	Philipsburg	St Maarten	8.0	34.0
2024-03-10	Sun	Tortola	UVA	8.0	10.0
2024-03-11	Tues	St Thomas	UVA	8.0	34.0
2024-03-13	Thu	Esperanza	Puerto Rico	4.0	43.0
2024-03-16	Sun	Santo Domingo	Dominican Repub	8.0	34.0
2024-03-19	Tues	Puerto Plata	Dominican Repub	8.0	10.0
2024-03-20	Wed	Matthew Town	West Indies	9.0	9.0
2024-03-22	Sun	Nassau	Bahamas	8.0	58.0
2024-03-27	Thu	Ocho Rios	Jamaica	8.0	34.0
2024-03-29	Sat	Montego Bay	Jamaica	8.0	34.0
2024-04-01	Tues	Georgetown	Cayman Islands	8.0	34.0
2024-04-04	Sat	Cozumel	Mexico	8.0	58.0
2024-04-07	Tues	Costa Maya	Mexico	8.0	58.0
2024-04-10	Thu	Port of Belize	Belize	8.0	34.0
2024-04-12	Sat	Roatan	Honduras	8.0	34.0
2024-04-15	Tues	Providencia	Colombia	8.0	34.0
2024-04-17	Thu	San Andres	Colombia	8.0	34.0
2024-04-19	Sat	Corn Islands	Nicaragua	8.0	34.0
2024-04-21	Tues	Limon	Costa Rica	8.0	57.0
2024-04-26	Sat	Panama City	Panama	8.0	33.0
2024-04-29	Mon	Esmeraldes	Costa Rica	8.0	9.0
2024-05-02	Fri	Puerto Ayaora	Galapogos	8.0	33.0
2024-05-06	Tues	Puntarenas	Costa Rica	8.0	32.0
2024-05-08	Wed	San Juan Del Sur	Nicaragua	8.0	14.0
2024-05-09	Fri	Corinto	Nicaragua	8.0	34.0
2024-05-11	Sun	Acajulta	El Salvador	8.0	36.0
2024-05-13	Tues	Port of San Jose	Guatemala	8.0	34.0
2024-05-16	Fri	Salina Cruz	Mexico	8.0	34.0
2024-05-19	Tues	Acapulco	Mexico	8.0	58.0
2024-05-23	Fri	Manzanillo	Mexico	8.0	34.0

Date	Day	Port	Country		
2024-05-25	Mon	Puerto Vallarta	Mexico	8.0	58.0
2024-05-28	Wed	Mazatlan	Mexico	8.0	34.0
2024-05-30	Sat	Cabo San Lucas	Mexico	8.0	58.0
2024-06-04	Wed	San Diego	USA	8.0	34.0
2024-06-06	Fri	Los Angeles	USA	8.0	34.0
2024-06-14	Sat	Nawiliwili	USA	8.0	34.0
2024-06-16	Tues	Honolulu	USA	8.0	58.0
2024-06-19	Thu	Maui (Lahaina)	USA	8.0	34.0
2024-06-21	Sat	Kailua Kona	USA	8.0	34.0
2024-06-23	Mon	Hilo	USA	8.0	34.0
2024-07-01	Wed	San Francisco	USA	8.0	60.0
2024-07-06	Sun	Seattle	USA	8.0	36.0
2024-07-08	Tues	Vancouver	Canada	8.0	36.0
2024-07-10	Thu	Victoria	Canada	8.0	36.0
2024-07-13	Sat	Prince Rupert	USA	9.0	11.0
2024-07-14	Mon	Ketchikan	USA	8.0	36.0
2024-07-17	Thu	Sitka	USA	8.0	36.0
2024-07-20	Mon	Juneau	USA	8.0	60.0
2024-07-23	Wed	Skagway	USA	8.0	36.0
2024-07-25	Thu	Haines	USA	8.0	12.0
2024-07-28	Mon	Seward	USA	8.0	36.0
2024-07-31	Thu	Anchorage	USA	8.0	36.0
2024-08-03	Sun	Kodiak Island	USA	8.0	36.0
2024-08-08	Thu	Adak	USA	8.0	10.0
2024-08-13	Wed	Wakkanai	Japan	9.0	33.0
2024-08-15	Sat	Sapporo	Japan	8.0	58.0
2024-08-19	Tues	Hachinohe	Japan	8.0	34.0
2024-08-22	Fri	Sendai	Japan	8.0	34.0
2024-08-25	Thu	Tokyo	Japan	8.0	106.0
2024-08-30	Sat	Hamamatsu	Japan	8.0	34.0
2024-09-02	Wed	Kobe (Osaka)	Japan	8.0	58.0
2024-09-05	Fri	Kochi	Japan	8.0	34.0
2024-09-07	Sun	Miyazaki	Japan	8.0	34.0
2024-09-09	Tues	Minamitane	Japan	8.0	34.0
2024-09-11	Thurs	Amami	Japan	8.0	34.0
2024-09-13	Sat	Naha	Japan	8.0	34.0
2024-09-16	Tues	Kaohsiungsing City	Taiwan	8.0	33.0
2024-09-18	Sat	Taipei (Keelung)	Taiwan	10.0	79.0
2024-09-23	Tues	Thaizhou	China	8.0	33.0
2024-09-26	Fri	Je Ju Do Island	South Korea	8.0	33.0
2024-09-28	Mon	Busan	South Korea	9.0	56.0
2024-10-02	Sat	Incheon (Seoul)	South Korea	8.0	81.0
2024-10-07	Tues	Dalian	China	8.0	33.0
2024-10-09	Thu	Yingkou	China	8.0	33.0
2024-10-11	Wed	Tianjin (Beijing)	China	9.0	128.0
2024-10-18	Sat	Yantai	China	8.0	33.0
2024-10-22	Wed	Zhenjiang	China	13.0	28.0
2024-10-25	Sat	Wu Hu	China	7.0	34.0

2024-10-29	Mon	Shanghai	China	8.0	153.0
2024-11-07	Fri	Babuyan Islands	Philippines	8.0	33.0
2024-11-10	Mon	Virac (Catanduanes Islands)	Philippines	8.0	33.0
2024-11-13	Fri	Cebu City	Philippines	8.0	57.0
2024-11-16	Sat	Apo Island	Philippines	8.0	9.0
2024-11-17	Mon	Tagbilaran	Philippines	8.0	33.0
2024-11-19	Wed	Siargao Island	Philippines	11.0	30.0
2024-11-22	Sun	Davao	Philippines	8.0	57.0
2024-11-26	Wed	Koror	Palau	11.0	30.0
2024-11-30	Sun	Apra Harbor	Guam	8.0	33.0
2024-12-02	Tues	Saipan	Northern Marian	8.0	33.0
2024-12-04	Thu	Sinapalu	Northern Marian	8.0	34.0
2024-12-07	Sun	Colonia	Micronesia	8.0	34.0
2024-12-11	Thu	Helen Reef	Palau	8.0	36.0
2024-12-14	Sun	Sorong	Indonesia	8.0	34.0
2024-12-17	Wed	Fakfak	Indonesia	8.0	34.0
2024-12-20	Sat	Aru Islands	Indonesia	8.0	34.0
2024-12-23	Tues	Thursday Island	Australia	8.0	34.0
2024-12-26	Friday	Port Moresbury	Papau New Guine	8.0	34.0
2024-12-29	Mon	Wesleyan Island	Papau New Guine	8.0	34.0
2025-01-01	Thu	Honiara	Solomon Islands	8.0	34.0
2025-01-04	Sun	Noli	Santa Cruise Is	8.0	34.0
2025-01-07	Wed	Port Olry	Vanuatu	8.0	34.0
2025-01-10	Sat	Port Vila	Vanuatu	8.0	34.0
2025-01-12	Mon	Lenakei	Vanuatu	8.0	34.0
2025-01-16	Fri	Port Denarau	Fiji	8.0	34.0
2025-01-18	Sun	Suva	Fiji	8.0	34.0
2025-01-20	Tues	Lekutu	Fiji	8.0	34.0
2025-01-23	Fri	Ono	Wallis and Futu	8.0	34.0
2025-01-25	Sun	Matu Utu	Wallis and Futu	8.0	34.0
2025-01-28	Wed	Apia	Samoa	8.0	34.0
2025-01-30	Fri	Pago Pago	American Samoa	8.0	34.0
2025-02-01	Sun	Luma Manu'a	American Samoa	8.0	34.0
2025-02-06	Sat	Bora Bora	French Polynesi	8.0	58.0
2025-02-09	Sun	Tahaa	French Polynesi	8.0	10.0
2025-02-10	Mon	Raiatea	French Polynesi	8.0	10.0
2025-02-11	Tues	Huahine	French Polynesi	8.0	10.0
2025-02-12	Wed	Tetiaroa	French Polynesi	8.0	10.0
2025-02-13	Fri	Papeete	French Polynesi	8.0	34.0
2025-02-15	Sun	Moorea	French Polynesi	8.0	34.0
2025-02-18	Wed	Rangiroa	French Polynesi	8.0	34.0
2025-02-20	Fri	Niau	French Polynesi	8.0	34.0
2025-02-22	Sun	Anaa	French Polynesi	8.0	34.0
2025-02-25	Wed	Rurutu	French Polynesi	8.0	34.0
2025-03-01	Sat	Atiu	Cook Islands	8.0	10.0
2025-03-02	Mon	Rarotonga	Cook Islands	8.0	34.0
2025-03-04	Tues	Amuri	Cook Islands	8.0	10.0
2025-03-06	Thu	Patuoko	Niue	9.0	9.0

2025-03-08	Sun	Neiafu	Tonga	8.0	34.0
2025-03-10	Tues	Nuku Alofa	Tonga	8.0	34.0
2025-03-15	Mon	Noumea	New Caledonia	8.0	58.0
2025-03-21	Mon	Cairns	Austrailia	10.0	80.0
2025-03-25	Wed	Townsville	Australia	8.0	34.0
2025-03-29	Mon	Brisbane	Australia	8.0	58.0
2025-04-02	Sat	Sydney	Australia	9.0	81.0
2025-04-09	Friday	Auckland	New Zealand	11.0	52.0
2025-04-13	Tues	Wellington	New Zealand	10.0	56.0
2025-04-16	Fri	Christchurch	New Zealand	8.0	55.0
2025-04-19	Sun	Dunedin	New Zealand	8.0	33.0
2025-04-21	Tues	Bluff	New Zealand	8.0	33.0
2025-04-24	Fri	Milford Sound	New Zealand	8.0	33.0
2025-04-29	Wed	Hobart (Tazmania)	Australia	8.0	33.0
2025-05-02	Sun	Melbourne	Australia	9.0	56.0
2025-05-06	Wed	Adelaide	Australia	9.0	32.0
2025-05-10	Sun	Esperance	Australia	10.0	31.0
2025-05-13	Thu	Perth	Australia	9.0	56.0
2025-05-16	Sat	Geraldton	Australia	10.0	31.0
2025-05-20	Wed	Port Hedland	Australia	9.0	32.0
2025-05-23	Sat	Broome	Australia	8.0	33.0
2025-05-27	Thu	Darwin	Australia	8.0	57.0
2025-05-30	Fri	Pirlagimpi	Tiwi Islands	8.0	9.0
2025-06-01	Mon	Dili	Timor Leste	8.0	33.0
2025-06-03	Wed	Pante Macassar	Timor Leste	8.0	33.0
2025-06-06	Sat	Labuan Bajo	Indonesia	8.0	33.0
2025-06-09	Fri	Bali	Indonesia	8.0	105.0
2025-06-15	Mon	Surabaya	Indonesia	8.0	33.0
2025-06-17	Wed	Semerang	Indonesia	9.0	32.0
2025-06-20	Sun	Jakarta	Indonesia	8.0	57.0
2025-06-23	Tues	Tanjung Pandan Island	Indonesia	11.0	30.0
2025-06-25	Thu	Mentok	Indonesia	8.0	33.0
2025-06-28	Sun	Pontinak Kota	Indonesia	8.0	33.0
2025-07-02	Thu	Bandar Seri Begewan	Brunei	8.0	34.0
2025-07-05	Sun	Puerto Princesa	Philippines	8.0	34.0
2025-07-07	Tues	Coron	Philippines	8.0	34.0
2025-07-09	Fri	Boracay	Philippines	8.0	58.0
2025-07-13	Tues	Manila	Philippines	8.0	58.0
2025-07-17	Fri	Fuga Island	Philippines	8.0	34.0
2025-07-20	Tues	Tainan City	Taiwan	8.0	58.0
2025-07-23	Friday	Xiamen	China	8.0	58.0
2025-07-27	Mon	Taizhou	China	8.0	34.0
2025-07-30	Thu	Ningbo	China	8.0	34.0
2025-08-02	Sun	Qingdao	China	8.0	34.0
2025-08-05	Wed	Wenzhou	China	8.0	34.0
2025-08-08	Sat	Fuzhou	China	8.0	34.0
2025-08-11	Thu	Hong Kong	Hong Kong	8.0	82.0
2025-08-15	Sun	Guangzhou	China	8.0	58.0

2025-08-18	Wed	Macao	China	8.0	58.0
2025-08-22	Sat	Zhanjiang	China	8.0	34.0
2025-08-24	Mon	Haikou	China	8.0	34.0
2025-08-27	Thu	Sanya	China	8.0	34.0
2025-08-30	Mon	Ha Long	Vietnam	11.0	55.0
2025-09-02	Fri	Haiphong (Hanoi)	Vietnam	8.0	82.0
2025-09-07	Mon	Thanh Hoa	Vietnam	8.0	34.0
2025-09-09	Wed	Vinh	Vietnam	8.0	33.0
2025-09-12	Sun	Da Nang	Vietnam	8.0	57.0
2025-09-16	Wed	Tuy Hoa	Vietnam	8.0	33.0
2025-09-18	Fri	Phan Thiet	Vietnam	9.0	32.0
2025-09-20	Tues	Ho Chi Minh City	Vietnam	9.0	80.0
2025-09-24	Thu	Can Tho	Vietnam	9.0	32.0
2025-09-27	Sun	Rach Gia	Vietnam	8.0	33.0
2025-09-29	Tues	Krong Kampot	Cambodia	8.0	33.0
2025-10-01	Thu	Preah Sihanouk	Cambodia	8.0	33.0
2025-10-03	Sat	Koh Rong Sanloem	Cambodia	8.0	33.0
2025-10-05	Mon	Rayong Thailan	Cambodia	8.0	33.0
2025-10-07	Sat	Bangkok	Thailand	8.0	105.0
2025-10-13	Wed	Koh Sumai	Thailand	8.0	58.0
2025-10-16	Fri	Songkhla	Thailand	8.0	34.0
2025-10-18	Sun	Kelantan	Malaysia	8.0	34.0
2025-10-20	Tues	Terengganu	Malaysia	8.0	34.0
2025-10-22	Thu	Pahang	Malaysia	8.0	34.0
2025-10-24	Sat	Kuala Rompin	Malaysia	8.0	34.0
2025-10-26	Sat	Singapore	Singapore	8.0	154.0
2025-11-03	Tues	Muar	Malaysia	8.0	34.0
2025-11-05	Sat	Port Klang (Kuala Lumpur)	Malaysia	8.0	82.0
2025-11-09	Mon	Penang	Malaysia	8.0	34.0
2025-11-11	Wed	Lankawi	Malaysia	8.0	34.0
2025-11-13	Sat	Phuket	Thailand	8.0	58.0
2025-11-18	Wed	Port Blair	India	8.0	33.0
2025-11-21	Sat	Yangon	Myanmar	8.0	33.0
2025-11-24	Tues	St Maartins Island	Sri Lanka	8.0	33.0
2025-11-27	Fri	Kolkata	India	8.0	33.0
2025-11-30	Tues	Chennai	India	8.0	57.0
2025-12-03	Thu	Karaikal	India	8.0	33.0
2025-12-05	Sat	Jaffna	Sri Lanka	8.0	33.0
2025-12-12	Sat	Kochi	India	8.0	33.0
2025-12-15	Wed	Cheriyam Islands	India	8.0	58.0
2025-12-19	Sun	Male	Maldives	8.0	58.0
2025-12-23	Thu	Nilandhoo	Maldives	8.0	58.0
2025-12-26	Sun	Addu City	Maldives	8.0	58.0
2026-01-01	Sat	Seychelles	Seychelles	8.0	58.0
2026-01-06	Wed	Zanzibar	Tanzania	9.0	33.0
2026-01-09	Sun	Ndzouani	Comoros	8.0	58.0
2026-01-12	Tues	Mayotte	Mayotte	8.0	34.0
2026-01-15	Fri	Mahajanga	Madagascar	8.0	34.0

2026-01-18	Mon	Nozy Be	Madagascar	8.0	34.0
2026-01-22	Sat	Port Louis	Mauritius	9.0	57.0
2026-01-25	Mon	La Possession	Reunion	8.0	34.0
2026-01-29	Fri	Toliara	Madagascar	9.0	33.0
2026-02-01	Mon	Morondava	Madagascar	8.0	34.0
2026-02-04	Thu	Bazaruto	Mozambique	8.0	34.0
2026-02-07	Sun	Maputo	Mozambique	8.0	34.0
2026-02-10	Thu	Durban	South Africa	8.0	58.0
2026-02-14	Sun	Port Elizabeth	South Africa	8.0	34.0
2026-02-17	Sat	Cape Town	South Africa	8.0	106.0
2026-02-24	Thu	Walvis Bay	Namibia	8.0	58.0
2026-03-03	Thu	Jamestown	St Helena	12.0	54.0
2026-03-10	Tues	Luanda	Angola	8.0	10.0
2026-03-11	Wed	Pointe Noire	Republic of Con	8.0	10.0
2026-03-13	Fri	Libreville	Gabon	9.0	9.0
2026-03-15	Sun	Sao Tome	Sao Tome and Pr	8.0	10.0
2026-03-17	Wed	Lome	Toga	8.0	34.0
2026-03-19	Thu	Accra	Ghana	8.0	10.0
2026-03-21	Sat	Abidjan	Cote d' Ivore	8.0	10.0
2026-03-23	Mon	Monrovia	Liberia	9.0	9.0
2026-03-25	Wed	Freetown	Sierra Leone	8.0	10.0
2026-03-26	Thu	Canakry	Guinea	8.0	10.0
2026-03-28	Sun	Dakar	Senegal	8.0	34.0
2026-03-31	Wed	Praia	Cape Verde	8.0	34.0
2026-04-02	Fri	Boa Vista	Cape Verde	8.0	34.0
2026-04-04	Sun	Santa Maria	Cape Verde	8.0	34.0
2026-04-06	Tues	Porto Nova	Cape Verde	8.0	34.0
2026-04-10	Sat	Santa Cruz	Tenerife	9.0	34.0
2026-04-12	Mon	Maspalomas	Tenerife	8.0	35.0
2026-04-14	Wed	Puerto Del Rosario	Tenerife	8.0	35.0
2026-04-16	Fri	Puerto Del Carmen	Tenerife	8.0	35.0
2026-04-19	Mon	Funchal	Portugal	8.0	35.0
2026-04-22	Thu	Casablanca	Morocco	8.0	35.0
2026-04-25	Sun	Gibraltar	Gibraltar	8.0	35.0
2026-04-29	Thu	Tunis	Tunisia	8.0	34.0
2026-05-01	Sat	Cagliari	Sardegnia	9.0	33.0
2026-05-03	Sun	Bonifacio	Corsica	8.0	12.0
2026-05-04	Tues	Bastia	Corsica	8.0	36.0
2026-05-06	Thu	Florence (Livorno)	Italy	8.0	36.0
2026-05-08	Sat	Genoa	Italy	8.0	36.0
2026-05-10	Sun	Monte Carlo	Monaco	8.0	15.0
2026-05-11	Tues	Cannes / St Tropez	France	8.0	36.0
2026-05-13	Thu	Marseille	France	8.0	33.0
2026-05-15	Sun	Barcelona	Spain	8.0	57.0
2026-05-18	Tues	Valencia	Spain	8.0	35.0
2026-05-22	Sat	Lisbon	Portugal	9.0	32.0
2026-05-24	Mon	Porto	Portugal	8.0	36.0
2026-05-28	Fri	Bordeaux	France	8.0	36.0

2026-06-01	Thurs	Le Havre (Paris)	France	8.0	86.0
2026-06-06	Sun	Port of Antwerp	Belgium	8.0	34.0
2026-06-08	Wed	Amsterdam	Netherlands	8.0	62.0
2026-06-12	Sat	Hamburg	Germany	8.0	36.0
2026-06-15	Thu	Tilbury (London)	England	9.0	80.0
2026-06-20	Sun	Cardiff	Wales	9.0	35.0
2026-06-22	Wed	Dublin	Ireland	8.0	48.0
2026-06-24	Thu	Belfast	Northern Irelan	8.0	36.0
2026-06-26	Sat	Greenock	Scotland	8.0	36.0
2026-06-30	Wed	Aberdeen	Scotland	8.0	36.0
2026-07-03	Fri	Runavik	Faroe Islands	8.0	12.0
2026-07-04	Sat	Klaksvik	Faroe Islands	8.0	10.0
2026-07-06	Tues	Reykjavik	Iceland	8.0	36.0
2026-07-09	Fri	Eskifjordhur	Iceland	8.0	36.0
2026-07-13	Tues	Trondheim	Norway	8.0	36.0
2026-07-16	Fri	Alesund	Norway	8.0	35.0
2026-07-18	Sun	Bergen	Norway	8.0	35.0
2026-07-20	Mon	Stavanger	Norway	8.0	14.0
2026-07-22	Thu	Oslo	Norway	8.0	34.0
2026-07-24	Sat	Gothenburg	Sweden	8.0	36.0
2026-07-26	Mon	Copenhagen	Denmark	8.0	37.0
2026-07-29	Wed	Visby	Sweden	8.0	13.0
2026-07-30	Fri	Stockholm	Sweden	8.0	35.0
2026-08-01	Sat	Mariehamn	Aland	8.0	9.0
2026-08-02	Mon	Helsinki	Finland	8.0	36.0
2026-08-04	Wed	Tallinn	Estonia	8.0	37.0
2026-08-07	Sat	Riga	Latvia	8.0	37.0
2026-08-10	Tues	Klaipeda	Lithuania	8.0	34.0
2026-08-12	Thu	Gdansk	Poland	8.0	32.0
2026-08-16	Mon	Rotterdam	Netherlands	9.0	32.0
2026-08-20	Fri	Bilbao	Spain	9.0	36.0
2026-08-24	Wed	Cadiz	Spain	8.0	58.0
2026-08-28	Sat	Ibiza	Spain	9.0	38.0
2026-08-30	Mon	Palma	Spain	9.0	33.0
2026-09-03	Sat	Civitavecchia	Italy	8.0	58.0
2026-09-06	Mon	Naples	Italy	8.0	34.0
2026-09-08	Wed	Palermo	Italy	8.0	34.0
2026-09-11	Sat	Valetta	Malta	8.0	34.0
2026-09-14	Tues	Bari	Italy	8.0	34.0
2026-09-17	Friday	Venice	Italy	8.0	34.0
2026-09-20	Tues	Dubrovnik	Croatia	8.0	58.0
2026-09-23	Wed	Neum	Bosnia & Herzeg	8.0	10.0
2026-09-25	Fri	Sarande	Albania	8.0	10.0
2026-09-26	Sun	Corfu	Greece	8.0	34.0
2026-09-28	Tues	Katakolon	Greece	8.0	34.0
2026-10-01	Sat	Piraeus (Athens)	Greece	8.0	58.0
2026-10-04	Mon	Heraklion	Greece	8.0	34.0
2026-10-07	Thu	Alexandria	Egypt	8.0	33.0

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2026-10-09      Sun                     Port Said       Egypt   8.0   57.0
2026-10-12      Wed                      Tel Aviv      Israel   8.0   56.0
2026-10-15      Fri                      Limassol      Cyprus   9.0   33.0
2026-10-18      Mon                        Rhodes      Greece   8.0   34.0
2026-10-20      Wed                     Santorini       07h16   8.0   34.0
2026-10-22      Fri                         Naxos      Greece   8.0   34.0
2026-10-24      Sun                       Mykonos      Greece   8.0   39.0
2026-10-27     Tues                        Bodrum      Turkey   8.0   12.0
2026-10-28      Fri                      Kusadasi      Turkey   8.0   58.0
```

1.6 Voyages by length

Sorry I don't conveniently list where it goes from and to. But you can figure that out by looking for the departure date above. E.g. the longest voyage starts 2023-11-05 and takes 11 days from Barcelona to Miami. The other two long ones are to and from Hawaii.

[22]: `print(voyages.sort_values("Hours", ascending=False).head(300).to_string())`

```
           Date   Day Port Country   Time   Hours
2    2023-11-05   Thu  Sea     Sea   20.0   262.0
162  2024-06-07   Fri  Sea     Sea   18.0   158.0
172  2024-06-24   Mon  Sea     Sea   18.0   158.0
559  2026-02-26  Tues  Sea     Sea   18.0   114.0
200  2024-08-08  Tues  Sea     Sea   18.0   111.0
561  2026-03-05  Tues  Sea     Sea   18.0   110.0
516  2025-12-06   Wed  Sea     Sea   17.0    96.0
56   2024-01-19   Tue  Sea     Sea   16.0    94.0
0    2023-11-01   Sun  Sea     Sea   16.0    92.0
358  2025-04-05   Wed  Sea     Sea   18.0    89.0
350  2025-03-17   Fri  Sea     Sea   18.0    88.0
18   2023-12-05   Sat  Sea     Sea   17.0    87.0
370  2025-04-25  Tues  Sea     Sea   17.0    87.0
314  2025-02-02   Thu  Sea     Sea   18.0    86.0
348  2025-03-11   Sat  Sea     Sea   18.0    86.0
527  2025-12-28   Thu  Sea     Sea   18.0    86.0
198  2024-08-04   Thu  Sea     Sea   20.0    84.0
4    2023-11-17   Mon  Sea     Sea   16.0    74.0
244  2024-10-19  Tues  Sea     Sea   17.0    68.0
376  2025-05-07   Sat  Sea     Sea   17.0    65.0
58   2024-01-24   Sat  Sea     Sea   18.0    65.0
690  2026-08-13   Sun  Sea     Sea   16.0    65.0
692  2026-08-17   Thu  Sea     Sea   17.0    64.0
382  2025-05-17  Tues  Sea     Sea   17.0    64.0
410  2025-06-29   Wed  Sea     Sea   17.0    63.0
136  2024-05-03   Mon  Sea     Sea   17.0    63.0
134  2024-04-29   Thu  Sea     Sea   17.0    63.0
130  2024-04-23   Fri  Sea     Sea   17.0    63.0
6    2023-11-21   Fri  Sea     Sea   17.0    63.0
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248   2024-10-26   Tue    Sea      Sea    17.0    63.0
250   2024-11-04   Thu    Sea      Sea    17.0    63.0
266   2024-11-27   Sat    Sea      Sea    17.0    63.0
386   2025-05-24   Tues   Sea      Sea    17.0    63.0
591   2026-04-07   Fri    Sea      Sea    18.0    63.0
529   2026-01-03   Tues   Sea      Sea    18.0    63.0
543   2026-01-26   Thu    Sea      Sea    18.0    63.0
539   2026-01-19   Thu    Sea      Sea    18.0    63.0
66    2024-02-04   Wed    Sea      Sea    18.0    62.0
354   2025-03-26   Sat    Sea      Sea    18.0    62.0
38    2023-12-28   Sun    Sea      Sea    18.0    62.0
14    2023-11-30   Sun    Sea      Sea    18.0    62.0
557   2026-02-21   Tues   Sea      Sea    18.0    62.0
12    2023-11-27   Thu    Sea      Sea    18.0    62.0
274   2024-12-08   Wed    Sea      Sea    18.0    62.0
298   2025-01-13   Thu    Sea      Sea    18.0    62.0
108   2024-03-24   Wed    Sea      Sea    18.0    62.0
336   2025-02-26   Sat    Sea      Sea    18.0    62.0
62    2024-01-31   Sat    Sea      Sea    18.0    62.0
700   2026-08-31   Thu    Sea      Sea    18.0    62.0
158   2024-06-01   Tues   Sea      Sea    18.0    62.0
502   2025-11-15   Tues   Sea      Sea    18.0    62.0
627   2026-05-19   Fri    Sea      Sea    19.0    62.0
32    2023-12-20   Sat    Sea      Sea    18.0    62.0
605   2026-04-26   Wed    Sea      Sea    19.0    61.0
660   2026-07-10   Mon    Sea      Sea    20.0    60.0
650   2026-06-27   Tues   Sea      Sea    20.0    60.0
631   2026-05-25   Thu    Sea      Sea    20.0    60.0
633   2026-05-29   Mon    Sea      Sea    20.0    60.0
174   2024-07-03   Sat    Sea      Sea    20.0    60.0
192   2024-07-25   Sun    Sea      Sea    20.0    60.0
46    2024-01-07   Wed    Sea      Sea    21.0    59.0
694   2026-08-21   Mon    Sea      Sea    21.0    59.0
48    2024-01-10   Sat    Sea      Sea    21.0    59.0
68    2024-02-07   Fri    Sea      Sea    11.0    45.0
360   2025-04-11   Sun    Sea      Sea    15.0    43.0
52    2024-01-14   Tue    Sea      Sea    14.0    42.0
264   2024-11-24   Tues   Sea      Sea    17.0    42.0
448   2025-08-28   Sat    Sea      Sea    18.0    41.0
372   2025-04-30   Fri    Sea      Sea    17.0    40.0
643   2026-06-18   Sat    Sea      Sea    17.0    40.0
378   2025-05-11   Tues   Sea      Sea    17.0    40.0
374   2025-05-04   Tues   Sea      Sea    17.0    40.0
60    2024-01-28   Tue    Sea      Sea    16.0    40.0
230   2024-09-24   Thu    Sea      Sea    17.0    39.0
575   2026-03-21   Mon    Sea      Sea    18.0    39.0
565   2026-03-11   Fri    Sea      Sea    18.0    39.0
262   2024-11-20   Fri    Sea      Sea    17.0    39.0
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456	2025-09-10	Fri	Sea	Sea	17.0	39.0
458	2025-09-14	Tues	Sea	Sea	17.0	39.0
466	2025-09-25	Sat	Sea	Sea	17.0	39.0
519	2025-12-13	Mon	Sea	Sea	17.0	39.0
228	2024-09-21	Mon	Sea	Sea	17.0	39.0
254	2024-11-11	Wed	Sea	Sea	17.0	39.0
517	2025-12-10	Fri	Sea	Sea	17.0	39.0
234	2024-09-30	Wed	Sea	Sea	17.0	39.0
236	2024-10-05	Mon	Sea	Sea	17.0	39.0
510	2025-11-28	Sun	Sea	Sea	17.0	39.0
508	2025-11-25	Thu	Sea	Sea	17.0	39.0
242	2024-10-16	Fri	Sea	Sea	17.0	39.0
506	2025-11-22	Mon	Sea	Sea	17.0	39.0
504	2025-11-19	Fri	Sea	Sea	17.0	39.0
478	2025-10-11	Mon	Sea	Sea	17.0	39.0
252	2024-11-08	Sun	Sea	Sea	17.0	39.0
402	2025-06-18	Fri	Sea	Sea	17.0	39.0
398	2025-06-13	Sun	Sea	Sea	17.0	39.0
396	2025-06-07	Mon	Sea	Sea	17.0	39.0
16	2023-12-03	Tues	Sea	Sea	17.0	39.0
696	2026-08-26	Fri	Sea	Sea	18.0	39.0
24	2023-12-14	Sat	Sea	Sea	17.0	39.0
8	2023-11-24	Sun	Sea	Sea	17.0	39.0
394	2025-06-04	Fri	Sea	Sea	17.0	39.0
390	2025-05-30	Sun	Sea	Sea	17.0	39.0
384	2025-05-21	Fri	Sea	Sea	17.0	39.0
368	2025-04-22	Thu	Sea	Sea	17.0	39.0
356	2025-03-31	Wed	Sea	Sea	18.0	39.0
30	2023-12-18	Wed	Sea	Sea	17.0	39.0
408	2025-06-26	Sat	Sea	Sea	17.0	39.0
342	2025-03-04	Thu	Sea	Sea	18.0	39.0
132	2024-04-27	Mon	Sea	Sea	17.0	39.0
102	2024-03-17	Tues	Sea	Sea	18.0	38.0
344	2025-03-06	Sat	Sea	Sea	18.0	38.0
418	2025-07-11	Sun	Sea	Sea	18.0	38.0
420	2025-07-15	Thu	Sea	Sea	18.0	38.0
452	2025-09-05	Sun	Sea	Sea	18.0	38.0
76	2024-02-20	Thu	Sea	Sea	18.0	38.0
146	2024-05-14	Thu	Sea	Sea	18.0	38.0
442	2025-08-20	Fri	Sea	Sea	18.0	38.0
436	2025-08-09	Mon	Sea	Sea	18.0	38.0
434	2025-08-06	Fri	Sea	Sea	18.0	38.0
432	2025-08-03	Tues	Sea	Sea	18.0	38.0
430	2025-07-31	Sat	Sea	Sea	18.0	38.0
426	2025-07-25	Sun	Sea	Sea	18.0	38.0
422	2025-07-18	Sun	Sea	Sea	18.0	38.0
412	2025-07-03	Sat	Sea	Sea	18.0	38.0
428	2025-07-28	Wed	Sea	Sea	18.0	38.0

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446   2025-08-25    Wed   Sea   Sea   18.0   38.0
492   2025-11-01    Mon   Sea   Sea   18.0   38.0
577   2026-03-23    Wed   Sea   Sea   18.0   38.0
734   2026-10-16    Sun   Sea   Sea   18.0   38.0
726   2026-10-05    Wed   Sea   Sea   18.0   38.0
722   2026-09-29    Thu   Sea   Sea   18.0   38.0
716   2026-09-23    Fri   Sea   Sea   18.0   38.0
712   2026-09-18    Sun   Sea   Sea   18.0   38.0
710   2026-09-15  Thurs   Sea   Sea   18.0   38.0
708   2026-09-12    Mon   Sea   Sea   18.0   38.0
706   2026-09-09    Fri   Sea   Sea   18.0   38.0
20    2023-12-09    Mon   Sea   Sea   18.0   38.0
22    2023-12-12    Thu   Sea   Sea   18.0   38.0
656   2026-07-04    Mon   Sea   Sea   18.0   38.0
36    2023-12-26    Thu   Sea   Sea   18.0   38.0
583   2026-03-29   Tues   Sea   Sea   18.0   38.0
581   2026-03-26    Sat   Sea   Sea   18.0   38.0
573   2026-03-19    Sat   Sea   Sea   18.0   38.0
328   2025-02-16   Tues   Sea   Sea   18.0   38.0
569   2026-03-15   Tues   Sea   Sea   18.0   38.0
567   2026-03-13    Sun   Sea   Sea   18.0   38.0
555   2026-02-15   Tues   Sea   Sea   18.0   38.0
553   2026-02-12    Sat   Sea   Sea   18.0   38.0
551   2026-02-08   Tues   Sea   Sea   18.0   38.0
549   2026-02-05    Sat   Sea   Sea   18.0   38.0
547   2026-02-02    Wed   Sea   Sea   18.0   38.0
545   2026-01-30    Sun   Sea   Sea   18.0   38.0
537   2026-01-16    Sun   Sea   Sea   18.0   38.0
535   2026-01-13    Thu   Sea   Sea   18.0   38.0
531   2026-01-07    Fri   Sea   Sea   18.0   38.0
70    2024-02-13    Thu   Sea   Sea   18.0   38.0
523   2025-12-21   Tues   Sea   Sea   18.0   38.0
521   2025-12-17    Fri   Sea   Sea   18.0   38.0
334   2025-02-23   Tues   Sea   Sea   18.0   38.0
746   2026-10-30    Sun   Sea   Sea   18.0   38.0
286   2024-12-27    Sun   Sea   Sea   18.0   38.0
212   2024-08-31    Mon   Sea   Sea   18.0   38.0
294   2025-01-08    Fri   Sea   Sea   18.0   38.0
292   2025-01-05   Tues   Sea   Sea   18.0   38.0
246   2024-10-23    Fri   Sea   Sea   17.0   38.0
122   2024-04-13    Mon   Sea   Sea   18.0   38.0
114   2024-04-02    Thu   Sea   Sea   18.0   38.0
290   2025-01-02    Sat   Sea   Sea   18.0   38.0
288   2024-12-30    Wed   Sea   Sea   18.0   38.0
308   2025-01-26   Tues   Sea   Sea   18.0   38.0
224   2024-09-14    Mon   Sea   Sea   18.0   38.0
284   2024-12-24  Thurs   Sea   Sea   18.0   38.0
282   2024-12-21    Mon   Sea   Sea   18.0   38.0
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304	2025-01-21	Thu	Sea	Sea	18.0	38.0
150	2024-05-21	Thu	Sea	Sea	18.0	38.0
112	2024-03-30	Mon	Sea	Sea	18.0	38.0
272	2024-12-05	Sat	Sea	Sea	18.0	38.0
204	2024-08-17	Mon	Sea	Sea	18.0	38.0
206	2024-08-20	Thu	Sea	Sea	18.0	38.0
208	2024-08-23	Sun	Sea	Sea	18.0	38.0
106	2024-03-20	Fri	Sea	Sea	18.0	38.0
148	2024-05-17	Sun	Sea	Sea	18.0	38.0
278	2024-12-15	Tues	Sea	Sea	18.0	38.0
280	2024-12-18	Fri	Sea	Sea	18.0	38.0
599	2026-04-17	Sun	Sea	Sea	19.0	37.0
601	2026-04-20	Wed	Sea	Sea	19.0	37.0
603	2026-04-23	Sat	Sea	Sea	19.0	37.0
180	2024-07-11	Sat	Sea	Sea	20.0	37.0
641	2026-06-13	Mon	Sea	Sea	20.0	37.0
42	2024-01-03	Fri	Sea	Sea	20.0	37.0
658	2026-07-07	Thu	Sea	Sea	20.0	36.0
276	2024-12-12	Sat	Sea	Sea	20.0	36.0
652	2026-07-01	Fri	Sea	Sea	20.0	36.0
662	2026-07-14	Thu	Sea	Sea	20.0	36.0
184	2024-07-15	Wed	Sea	Sea	20.0	36.0
44	2024-01-05	Sun	Sea	Sea	20.0	36.0
186	2024-07-18	Sat	Sea	Sea	20.0	36.0
194	2024-07-29	Wed	Sea	Sea	20.0	36.0
196	2024-08-01	Sat	Sea	Sea	20.0	36.0
54	2024-01-16	Thu	Sea	Sea	21.0	35.0
674	2026-07-27	Wed	Sea	Sea	21.0	35.0
684	2026-08-05	Fri	Sea	Sea	21.0	35.0
686	2026-08-08	Mon	Sea	Sea	21.0	35.0
635	2026-06-04	Sat	Sea	Sea	22.0	34.0
639	2026-06-10	Fri	Sea	Sea	22.0	34.0
668	2026-07-20	Wed	Sea	Sea	22.0	34.0
100	2024-03-14	Sat	Sea	Sea	23.0	33.0
742	2026-10-25	Tues	Sea	Sea	23.0	33.0
260	2024-11-18	Tues	Sea	Sea	17.0	18.0
404	2025-06-22	Mon	Sea	Sea	17.0	18.0
732	2026-10-14	Thu	Sea	Sea	16.0	17.0
380	2025-05-15	Fri	Sea	Sea	17.0	17.0
226	2024-09-17	Wed	Sea	Sea	17.0	17.0
364	2025-04-18	Sat	Sea	Sea	15.0	17.0
34	2023-12-25	Tue	Sea	Sea	16.0	17.0
232	2024-09-27	Sat	Sea	Sea	17.0	16.0
462	2025-09-19	Sat	Sea	Sea	17.0	16.0
240	2024-10-10	Fri	Sea	Sea	17.0	16.0
460	2025-09-17	Thu	Sea	Sea	17.0	16.0
464	2025-09-23	Wed	Sea	Sea	17.0	16.0
138	2024-05-07	Wed	Sea	Sea	16.0	16.0

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400    2025-06-16    Tues    Sea    Sea    17.0    16.0
270    2024-12-03    Wed     Sea    Sea    17.0    15.0
474    2025-10-04    Sun     Sea    Sea    17.0    15.0
514    2025-12-04    Fri     Sea    Sea    17.0    15.0
512    2025-12-02    Wed     Sea    Sea    17.0    15.0
238    2024-10-08    Wed     Sea    Sea    17.0    15.0
366    2025-04-20    Mon     Sea    Sea    17.0    15.0
728    2026-10-08    Fri     Sea    Sea    17.0    15.0
607    2026-04-30    Fri     Sea    Sea    18.0    15.0
730    2026-10-11    Mon     Sea    Sea    17.0    15.0
623    2026-05-14    Fri     Sea    Sea    17.0    15.0
625    2026-05-17    Mon     Sea    Sea    17.0    15.0
104    2024-03-19    Wed     Sea    Sea    18.0    15.0
629    2026-05-23    Sun     Sea    Sea    17.0    15.0
28     2023-12-17    Mon     Sea    Sea    17.0    15.0
476    2025-10-06    Tues    Sea    Sea    17.0    15.0
10     2023-11-26    Mon     Sea    Sea    17.0    15.0
472    2025-10-02    Fri     Sea    Sea    17.0    15.0
470    2025-09-30    Wed     Sea    Sea    17.0    15.0
468    2025-09-28    Mon     Sea    Sea    17.0    15.0
256    2024-11-15    Sat     Sea    Sea    17.0    15.0
388    2025-05-29    Fri     Sea    Sea    17.0    15.0
268    2024-12-01    Mon     Sea    Sea    17.0    15.0
392    2025-06-02    Tues    Sea    Sea    17.0    15.0
258    2024-11-16    Sun     Sea    Sea    17.0    15.0
680    2026-08-01    Sun     Sea    Sea    17.0    15.0
406    2025-06-24    Wed     Sea    Sea    17.0    15.0
26     2023-12-16    Sun     Sea    Sea    17.0    15.0
128    2024-04-20    Sun     Sea    Sea    18.0    14.0
720    2026-09-27    Mon     Sea    Sea    18.0    14.0
152    2024-05-24    Sat     Sea    Sea    18.0    14.0
579    2026-03-25    Thu     Sea    Sea    18.0    14.0
563    2026-03-10    Wed     Sea    Sea    18.0    14.0
571    2026-03-18    Thu     Sea    Sea    18.0    14.0
724    2026-10-03    Sun     Sea    Sea    18.0    14.0
740    2026-10-23    Sat     Sea    Sea    18.0    14.0
126    2024-04-18    Fri     Sea    Sea    18.0    14.0
736    2026-10-19    Tues    Sea    Sea    18.0    14.0
587    2026-04-03    Sat     Sea    Sea    18.0    14.0
738    2026-10-21    Thu     Sea    Sea    18.0    14.0
585    2026-04-01    Thu     Sea    Sea    18.0    14.0
702    2026-09-05    Sun     Sea    Sea    18.0    14.0
589    2026-04-05    Mon     Sea    Sea    18.0    14.0
609    2026-05-02    Sun     Sea    Sea    18.0    14.0
688    2026-08-11    Wed     Sea    Sea    18.0    14.0
170    2024-06-22    Sun     Sea    Sea    18.0    14.0
168    2024-06-20    Fri     Sea    Sea    18.0    14.0
637    2026-06-07    Mon     Sea    Sea    18.0    14.0
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166   2024-06-18    Wed    Sea    Sea    18.0    14.0
164   2024-06-15    Sun    Sea    Sea    18.0    14.0
670   2026-07-23    Fri    Sea    Sea    18.0    14.0
718   2026-09-25    Sat    Sea    Sea    18.0    14.0
704   2026-09-07   Tues    Sea    Sea    18.0    14.0
160   2024-06-05    Thu    Sea    Sea    18.0    14.0
142   2024-05-10    Sat    Sea    Sea    18.0    14.0
156   2024-05-29  Thurs    Sea    Sea    18.0    14.0
714   2026-09-22    Wed    Sea    Sea    18.0    14.0
154   2024-05-27   Tues    Sea    Sea    18.0    14.0
320   2025-02-10   Tues    Sea    Sea    18.0    14.0
533   2026-01-11    Mon    Sea    Sea    18.0    14.0
486   2025-10-21    Wed    Sea    Sea    18.0    14.0
310   2025-01-29    Thu    Sea    Sea    18.0    14.0
440   2025-08-17    Mon    Sea    Sea    18.0    14.0
444   2025-08-23    Sun    Sea    Sea    18.0    14.0
96    2024-03-10    Mon    Sea    Sea    18.0    14.0
124   2024-04-16    Wed    Sea    Sea    18.0    14.0
450   2025-09-01   Tues    Sea    Sea    18.0    14.0
352   2025-03-24   Tues    Sea    Sea    18.0    14.0
346   2025-03-09    Mon    Sea    Sea    18.0    14.0
488   2025-10-23    Fri    Sea    Sea    18.0    14.0
116   2024-04-06    Sun    Sea    Sea    18.0    14.0
454   2025-09-08   Tues    Sea    Sea    18.0    14.0
118   2024-04-09    Wed    Sea    Sea    18.0    14.0
480   2025-10-15    Thu    Sea    Sea    18.0    14.0
482   2025-10-17    Sat    Sea    Sea    18.0    14.0
484   2025-10-19    Mon    Sea    Sea    18.0    14.0
438   2025-08-14    Fri    Sea    Sea    18.0    14.0
424   2025-07-22    Wed    Sea    Sea    18.0    14.0
416   2025-07-08    Wed    Sea    Sea    18.0    14.0
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