



# UDLS - Time Zones

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# A Brief History of Time

- Until the 19th century each city had their own clock.





# A Brief History of Time

- Until the 19th century each city had their own clock.
- Time difference between places was barely noticeable
  - No planes
  - No long distance calling
  - Travel time > Time Difference





# A New Standard

- American Railway system had trouble coordinating trains.
- US got 4 time zones in 1883
- Britain implemented standard time for Scotland, Wales, and England in 1884.
- International Meridian Conference in 1884 decided on Greenwich Meridian as the Prime Meridian
- In 1972, Coordinated Universal Time (UTC) replaced GMT as the world's time standard

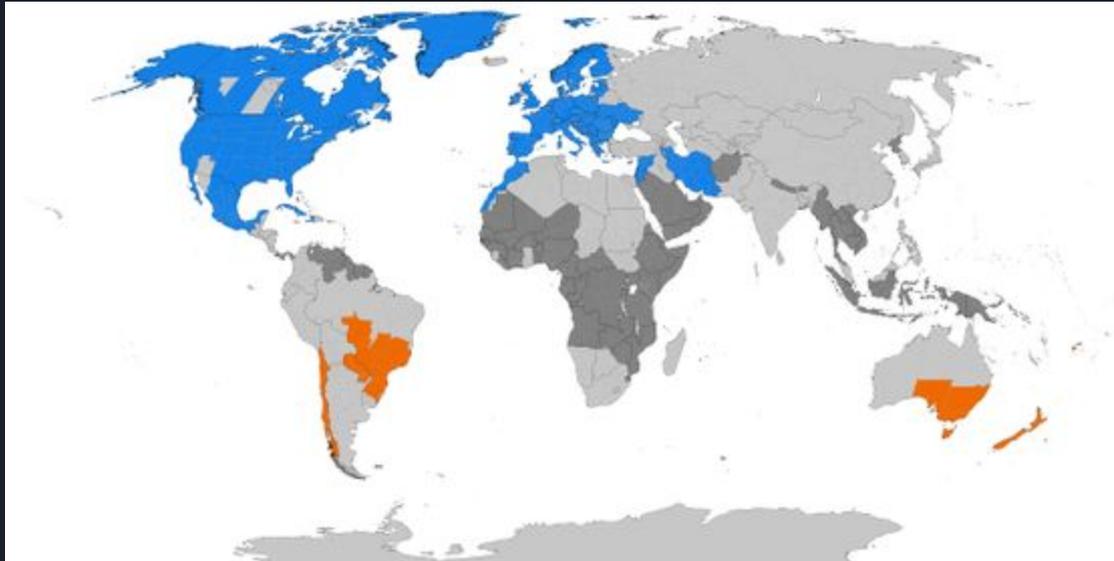


# déni en france

- French maps showed zero degrees in Paris for many years
- French continued to treat Paris as the prime meridian until 1911
- French defined their civil time as Paris Mean Time minus 9 minutes and 21 seconds
  - Same time as GMT! Go figure.
- France did not formally use UTC as a reference to its standard time zone (UTC+1) until August in 1978

# DST : Why is this still a thing?

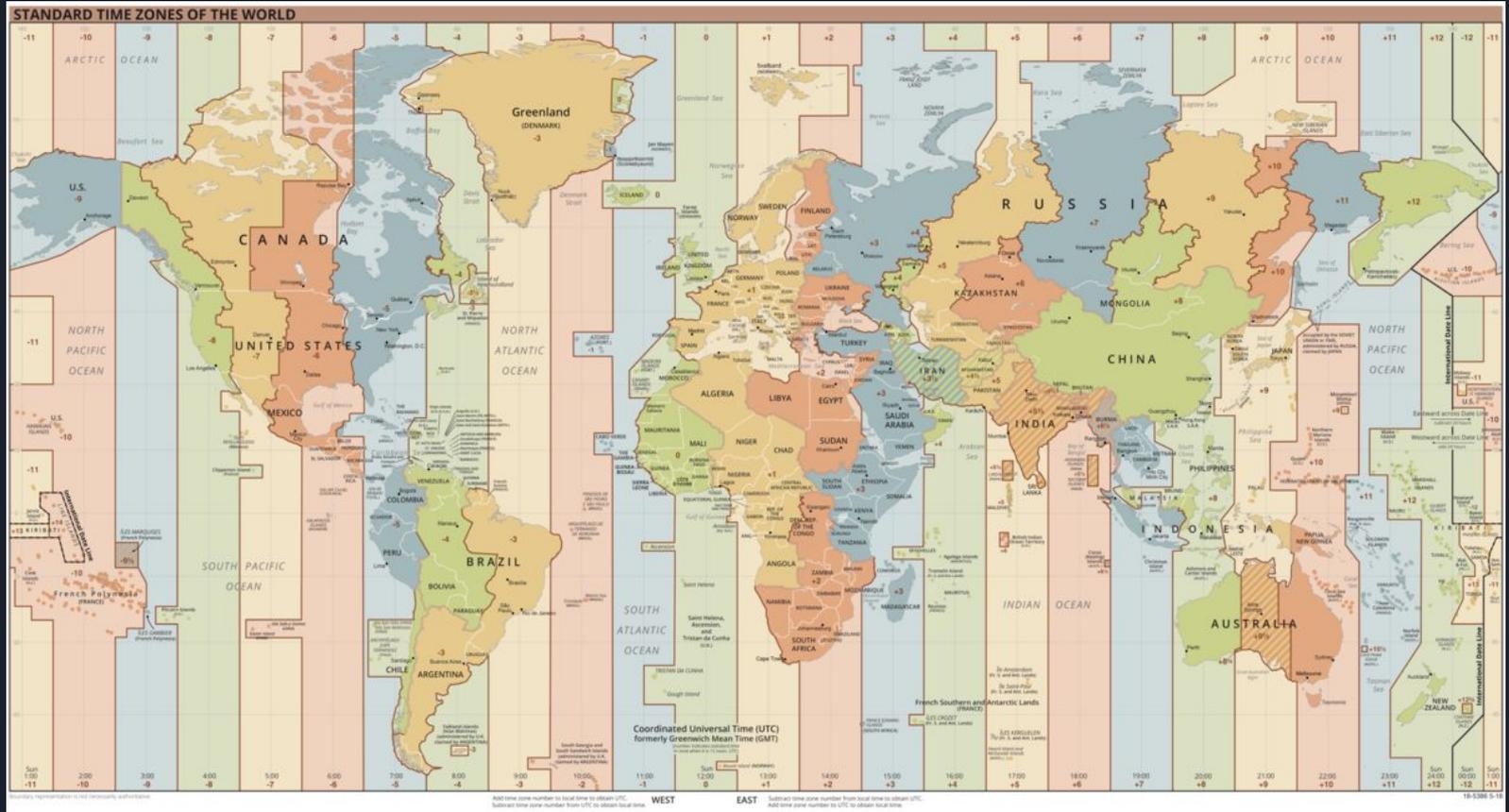
- German Empire and Austria-Hungary first to implement in 1916.
- EU citizens voted against DST in August 2018.



# The Ideal World



# The Real World





# Rounding Issues : Part 1

- **India: UTC +5:30**
- **Myanmar: UTC +6:30**
- **Iran: UTC +3:30 / +4:30**
- **Afghanistan: UTC +4:30**
- **Sri Lanka: UTC +5:30**
- **Canada, Newfoundland: UTC -3:30 / -2:30**
- **Nepal: UTC +5:45**



# Home Sweet Home

- Time Zones in Canada

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# Home Sweet Home

- Time Zones in Canada
  - 6 Timezones!!!
- Time Zones in British Columbia



# Home Sweet Home

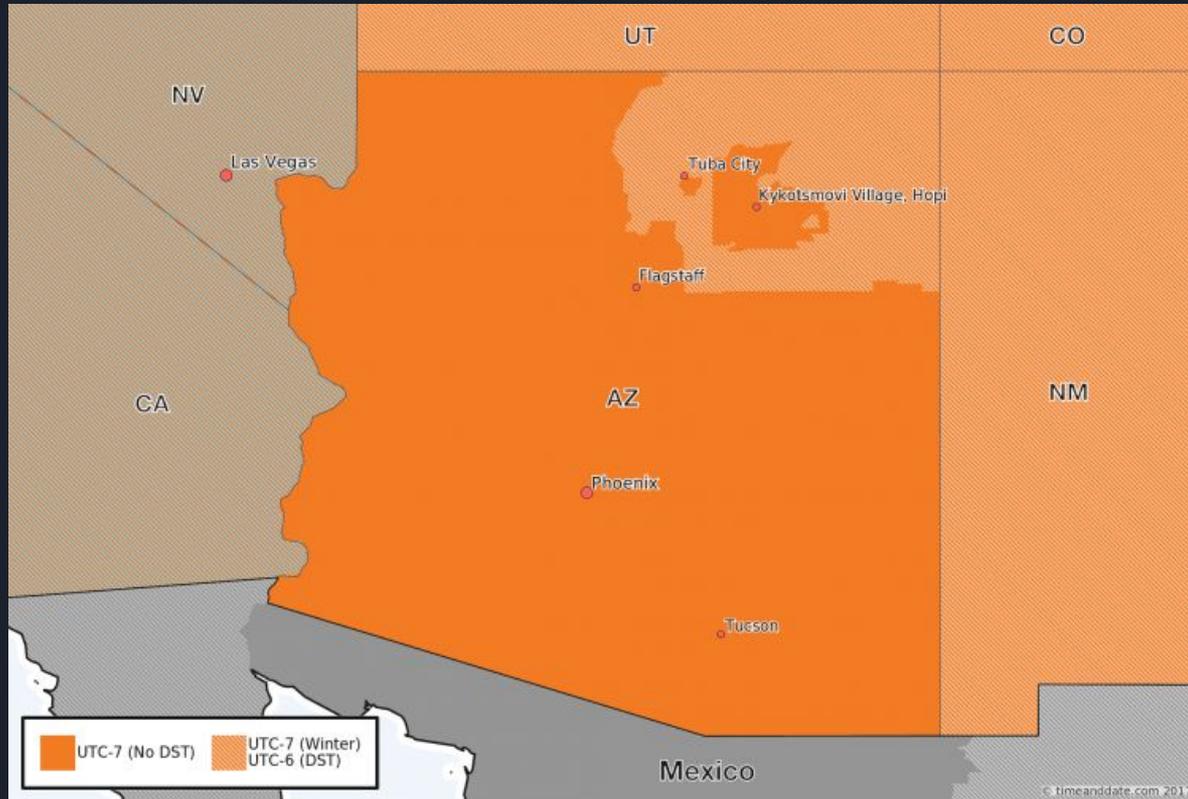
- Time Zones in Canada
  - 6 Timezones!!!
- Time Zones in British Columbia
  - TWO!!!!



# Party in the USA



# A Summer Drive Through Arizona



One for all





# All for One

- France currently holds the world record for the country with the most time zones
  - 12 Time Zones. US and Russia only have 11
- France also has the biggest range of time zones. (22hr time difference)
  - UTC -10 in Tahiti
  - UTC +12 in Wallis and Futuna

# CONSTITUENT LANDS OF THE FRENCH REPUBLIC

(at the same geographic scale)

All f

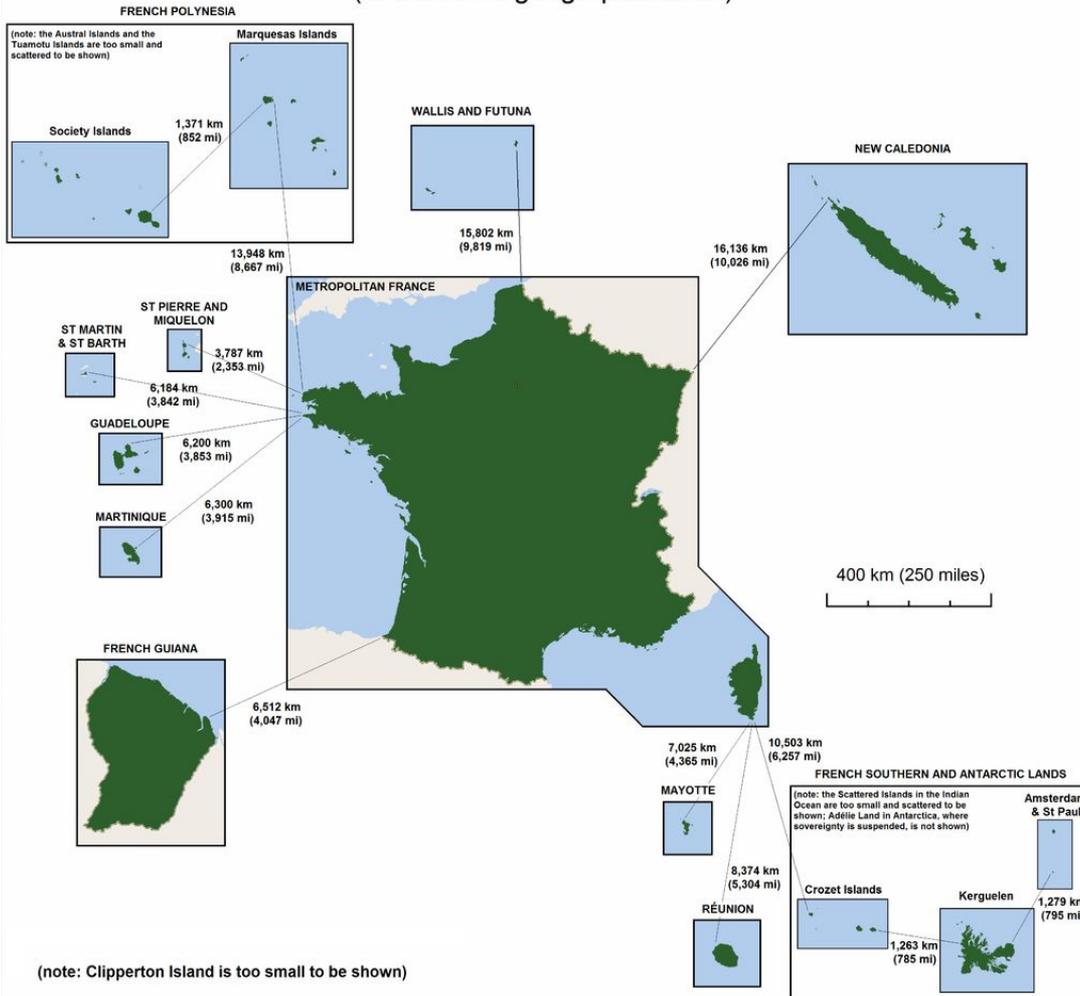
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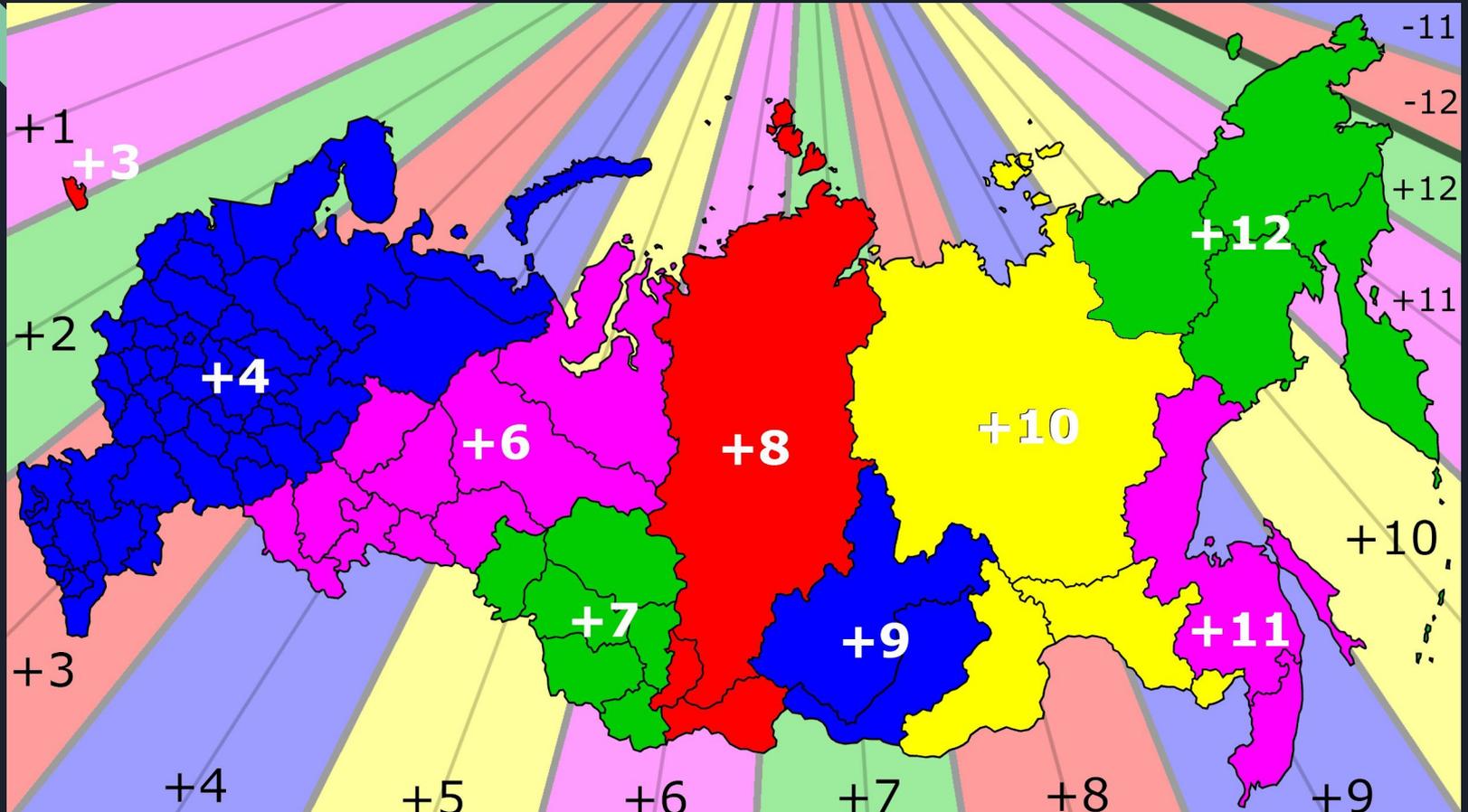


ry with the

time



# From Russia, With Love (2011-2014)



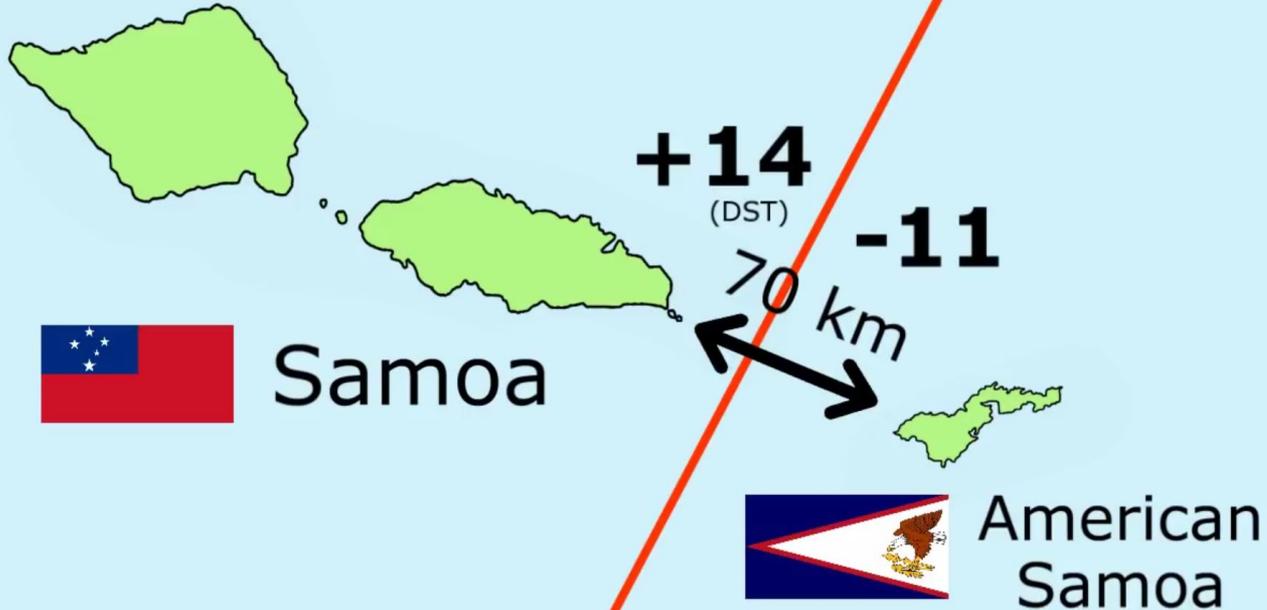
# From Russia With Love (2014-Now)



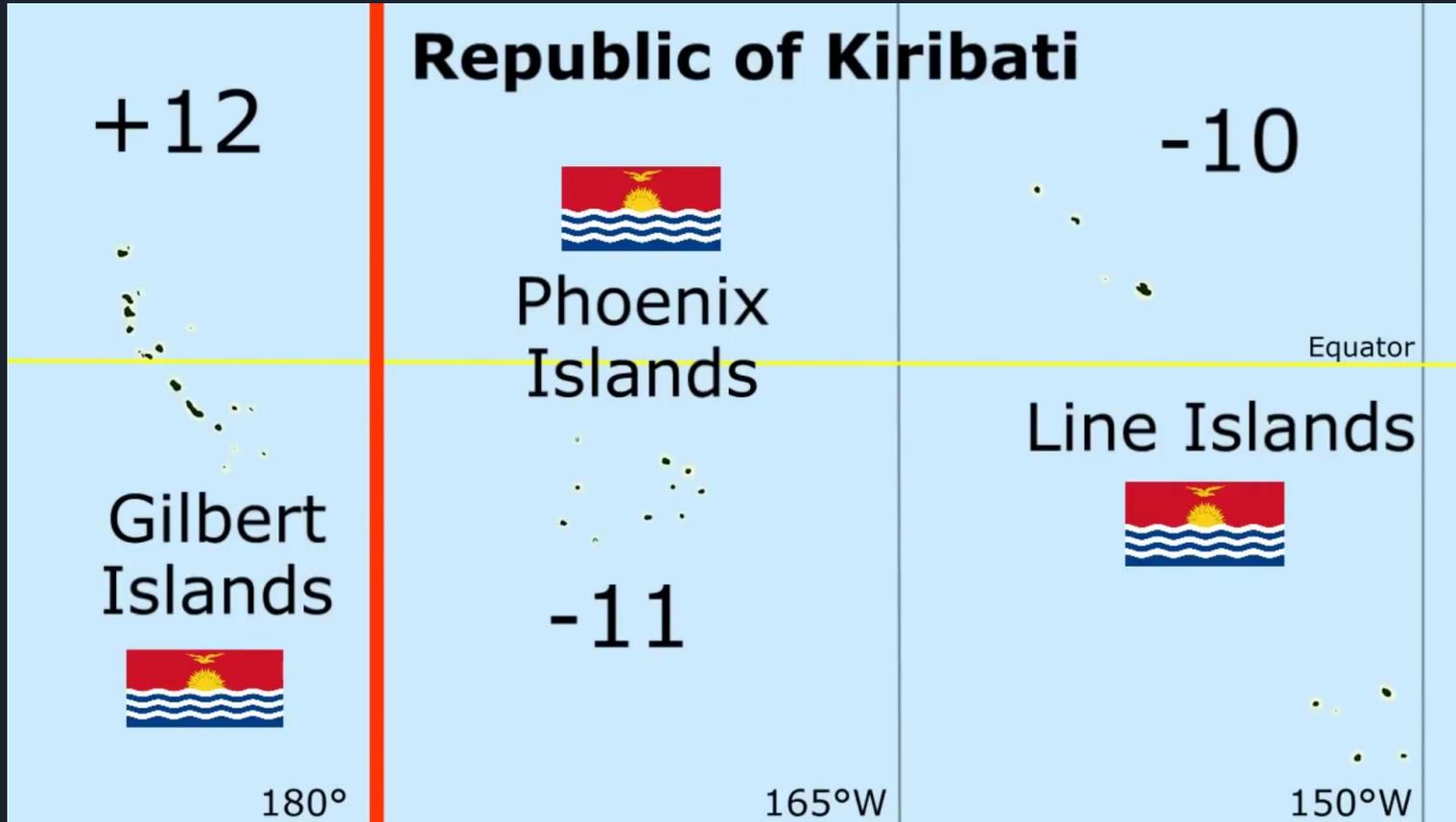
# The Curious Case of Samoa

Daylight Saving Time (DST)

Summer (October - March)

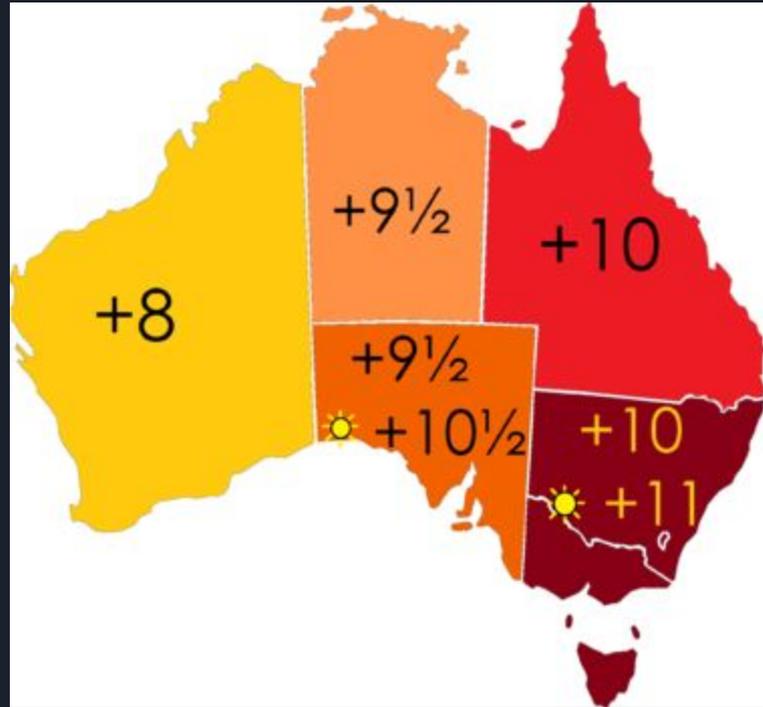


# The One with 3 Days in a Day

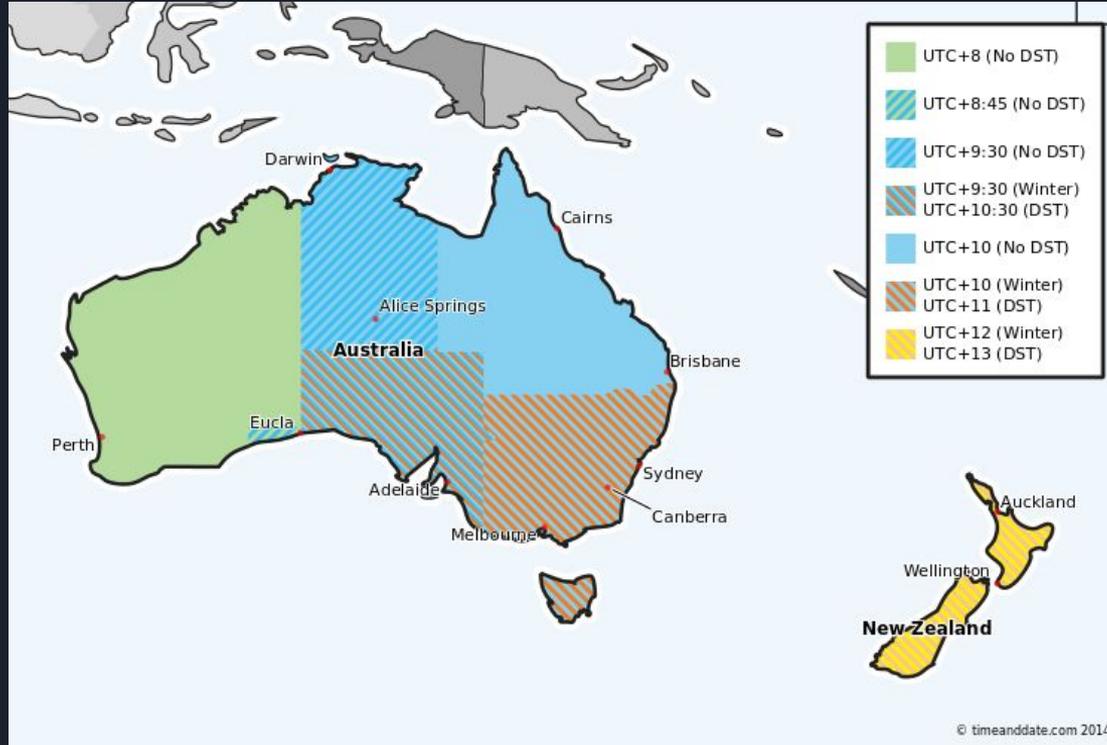




# Blunder Down Under



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## Rounding Issues : Part 2

- **French Polynesia, Marquesas Islands: UTC -9:30**
- **New Zealand, Chatham Islands: UTC +12:45 / +13:45**
- **Australia**
  - **Northern Territory: UTC +9:30**
  - **Eucla: UTC +8:45**
  - **South Australia: UTC +9:30 / +10:30**
  - **Broken Hill: UTC +9:30 / +10:30**
  - **Lord Howe Island: UTC +10:30 / +11:00**
  - **Cocos (Keeling) Islands: UTC +06:30**



Thank You!!!!



Thank You!!!!  
(Oh wait...)

# The Forgotten One

