

A Day Has Only 24 ± 1 Hours

Miroslav Šedivý

 eumiro

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A Day Has Only 24 ± 1 Hours

A Day Has Only 24 ± 1 Hours

- check the time

A Day Has Only 24 ± 1 Hours

- check the time
- don't check the time too often

A Day Has Only 24 ± 1 Hours

- check the time
- don't check the time too often
- check what your government does

Miroslav Šedivý

[ˈmɪrɔslav ˈʃɛɟɪviː]

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python™



Friday, 28th June 2019
14:03 CEST
(Rapperswil, Switzerland)

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP  
);
```

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP  
);
```

```
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP  
);
```

```
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00

```
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00
2	2019-06-28 12:03:01

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP  
);
```

```
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00

```
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00
2	2019-06-28 12:03:01

```
SET TIMEZONE TO 'Europe/Zurich';
```

```
SET TIMEZONE TO 'UTC';
```



```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP WITH TIME ZONE  
);
```

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP WITH TIME ZONE  
);
```

```
SET TIMEZONE TO 'Europe/Zurich';  
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00+02

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP WITH TIME ZONE  
);
```

```
SET TIMEZONE TO 'Europe/Zurich';  
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00+02

```
SET TIMEZONE TO 'UTC';  
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 12:03:00+00
2	2019-06-28 12:03:01+00

```
CREATE TABLE events (  
  id SERIAL,  
  occurred_on TIMESTAMP WITH TIME ZONE  
);
```

```
SET TIMEZONE TO 'Europe/Zurich';  
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 14:03:00+02

```
SET TIMEZONE TO 'UTC';  
INSERT INTO events (occurred_on) VALUES (NOW());
```

id	occurred_on
1	2019-06-28 12:03:00+00
2	2019-06-28 12:03:01+00

id	occurred_on
1	2019-06-28 14:03:00+02
2	2019-06-28 14:03:01+02

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CET'::TIMESTAMPTZ; -- 2019-06-28 15:03:00+02
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CET'::TIMESTAMPTZ; -- 2019-06-28 15:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CEST'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CET'::TIMESTAMPTZ; -- 2019-06-28 15:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CEST'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02  
SELECT '2019-12-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-12-28 14:03:00+01
```



```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ;    -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CET'::TIMESTAMPTZ;           -- 2019-06-28 15:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CEST'::TIMESTAMPTZ;          -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02  
SELECT '2019-12-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-12-28 14:03:00+01
```

```
SELECT COUNT(*) FROM pg_timezone_names;    -- 1187
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ;    -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CET'::TIMESTAMPTZ;           -- 2019-06-28 15:03:00+02
```

```
SELECT '2019-06-28 14:03:00 CEST'::TIMESTAMPTZ;         -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-06-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-06-28 14:03:00+02
```

```
SELECT '2019-12-28 14:03:00 Europe/Zurich'::TIMESTAMPTZ; -- 2019-12-28 14:03:00+01
```

```
SELECT COUNT(*) FROM pg_timezone_names;    -- 1187
```

```
SELECT * FROM pg_timezone_names WHERE name LIKE '%Zurich%';
```

name	abbrev	utc_offset	is_dst
-----+-----+-----+-----			
Europe/Zurich	CEST	02:00:00	t
posix/Europe/Zurich	CEST	02:00:00	t

```
SELECT NOW();
```

```
-- 2019-06-28 14:03:00+02
```

```
SELECT NOW();
```

```
-- 2019-06-28 14:03:00+02
```

```
SELECT NOW() AT TIME ZONE 'Europe/Zurich';
```

```
-- 2019-06-28 14:03:00
```

```
SELECT NOW(); -- 2019-06-28 14:03:00+02
```

```
SELECT NOW() AT TIME ZONE 'Europe/Zurich'; -- 2019-06-28 14:03:00
```

```
SELECT NOW() AT TIME ZONE 'Asia/Tokyo'; -- 2019-06-28 21:03:00
```

```
SELECT NOW(); -- 2019-06-28 14:03:00+02
```

```
SELECT NOW() AT TIME ZONE 'Europe/Zurich'; -- 2019-06-28 14:03:00
```

```
SELECT NOW() AT TIME ZONE 'Asia/Tokyo'; -- 2019-06-28 21:03:00
```

```
SELECT NOW() AT TIME ZONE 'Asia/Tokyo' AT TIME ZONE 'Asia/Tokyo'; -- 2019-06-28 14:03:00+02
```

```
SELECT NOW(); -- 2019-06-28 14:03:00+02
```

```
SELECT NOW() AT TIME ZONE 'Europe/Zurich'; -- 2019-06-28 14:03:00
```

```
SELECT NOW() AT TIME ZONE 'Asia/Tokyo'; -- 2019-06-28 21:03:00
```

```
SELECT NOW() AT TIME ZONE 'Asia/Tokyo' AT TIME ZONE 'Asia/Tokyo'; -- 2019-06-28 14:03:00+02
```

```
SELECT NOW() AT TIME ZONE 'Asia/Tokyo' AT TIME ZONE 'Europe/Zurich'; -- 2019-06-28 21:03:00+02
```

```
SELECT NOW();
```

```
-- 2019-06-28 14:03:00+02
```



```
SELECT NOW();      -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();      -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();      -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();      -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();      -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
TRANSACTION_TIMESTAMP() NOW()
```

```
STATEMENT_TIMESTAMP()
```

```
CLOCK_TIMESTAMP()
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
TRANSACTION_TIMESTAMP() NOW()
```

```
STATEMENT_TIMESTAMP()
```

```
CLOCK_TIMESTAMP()
```

```
SELECT CLOCK_TIMESTAMP(), CLOCK_TIMESTAMP();
```

```
      clock_timestamp      |      clock_timestamp
-----+-----
2019-06-28 14:03:00.000000+02 | 2019-06-28 14:03:00.000001+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
SELECT NOW();          -- 2019-06-28 14:03:00+02
```

```
TRANSACTION_TIMESTAMP() NOW()
```

```
STATEMENT_TIMESTAMP()
```

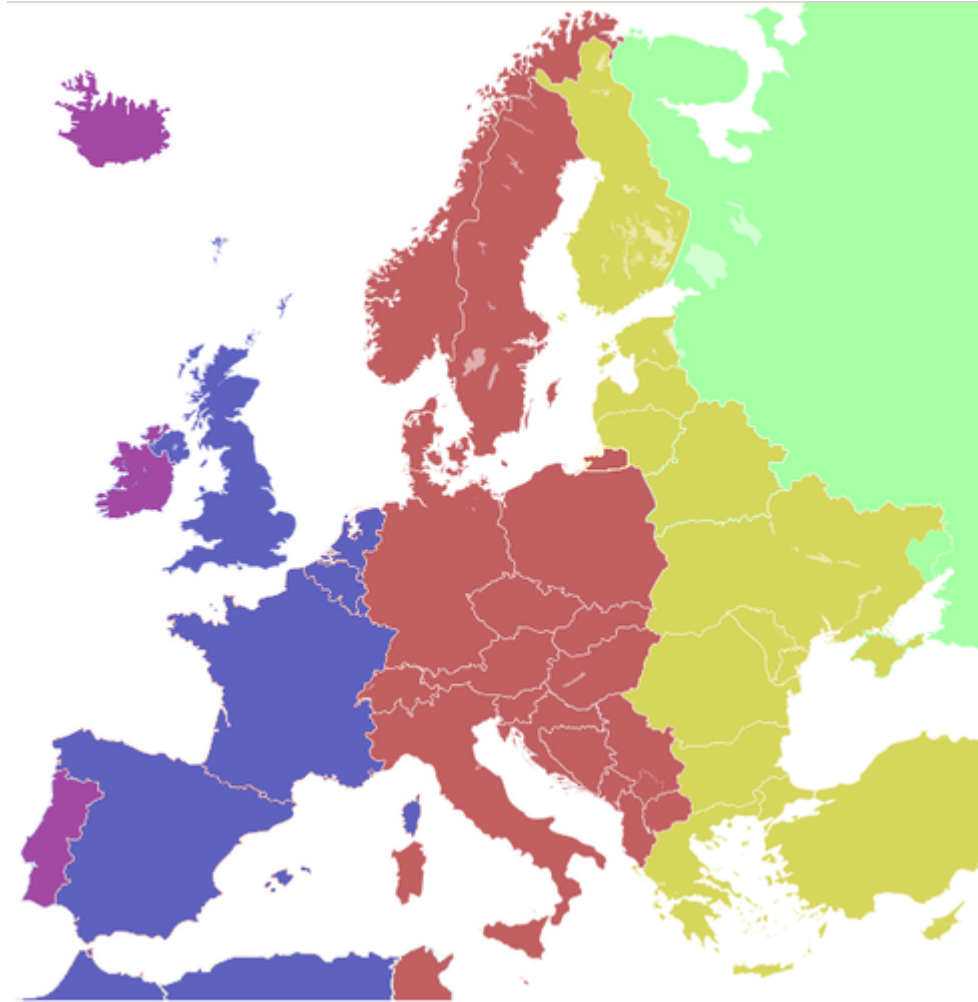
```
CLOCK_TIMESTAMP()
```

```
SELECT CLOCK_TIMESTAMP(), CLOCK_TIMESTAMP();
```

```
      clock_timestamp      |      clock_timestamp
-----+-----
2019-06-28 14:03:00.000000+02 | 2019-06-28 14:03:00.000001+02
```

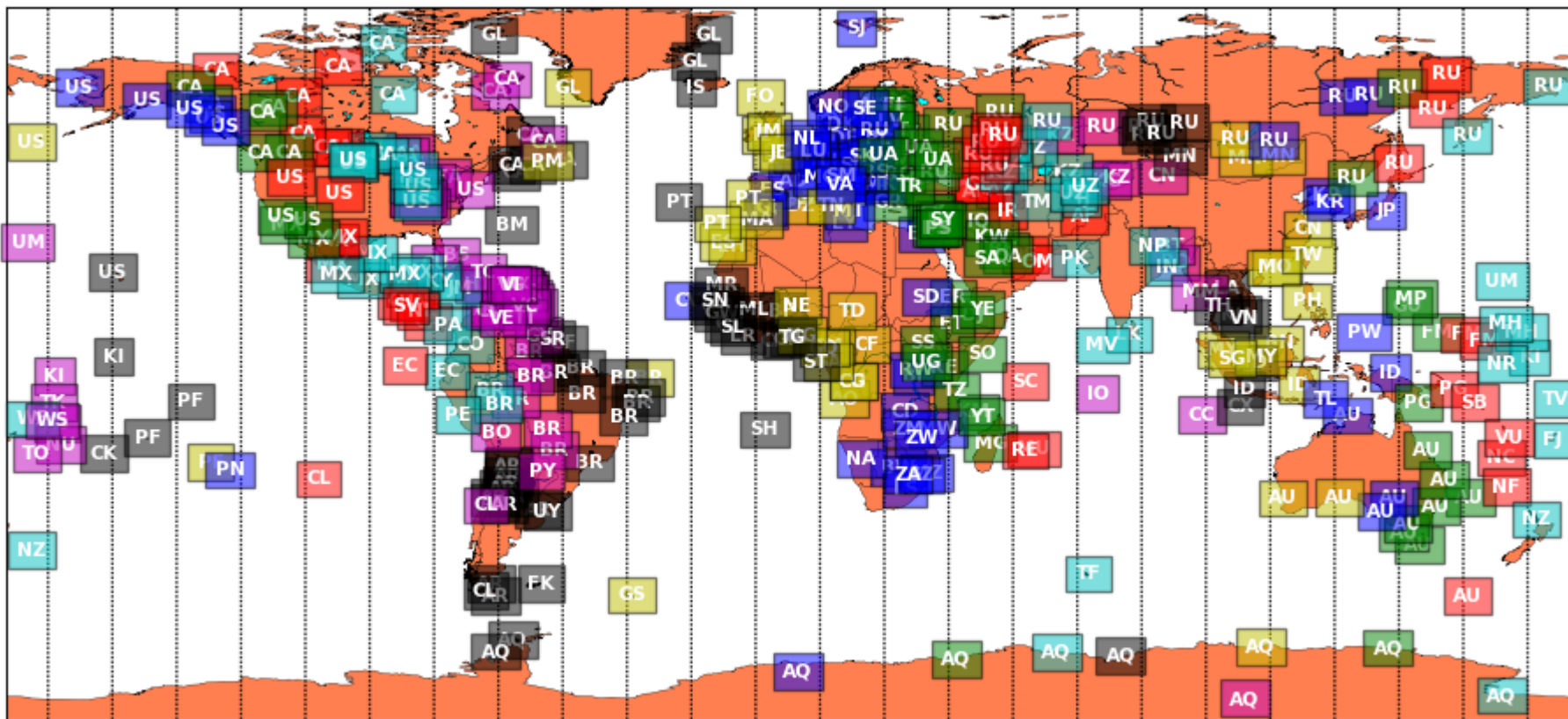
```
SELECT EXTRACT('DAY' FROM CLOCK_TIMESTAMP()), EXTRACT('DOW' FROM CLOCK_TIMESTAMP());
```

```
date_part | date_part
-----+-----
      28 |          5
```



```
SELECT COUNT(*) FROM pg_timezone_names; -- 1187
```

```
SELECT COUNT(*) FROM pg_timezone_names; -- 1187
```



<https://www.iana.org/time-zones>

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tzdata2019a.tar.gz (2019-03-25, 370kB)

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```
55821 Feb 20 23:26 africa
12975 Jul 16 2018 antarctica
160333 Mar 24 04:25 asia
87408 Nov 30 10:08 australasia
4606 Mar 8 20:28 backward
21969 Feb 20 00:30 backzone
5567 Oct 2 2017 calendars
1008 Jun 2 2017 checklinks.awk
4203 Jan 30 2018 checktab.awk
3042 Oct 5 2018 CONTRIBUTING
2768 Mar 8 20:28 etcetera
171689 Jan 25 17:44 europe
404 Jul 16 2018 factory
4463 Feb 20 00:30 iso3166.tab
2568 Jan 31 19:33 leapseconds
3645 Nov 10 06:27 leapseconds.awk
10667 Jan 31 19:33 leap-seconds.list
252 May 25 2017 LICENSE
41989 Mar 12 00:00 Makefile
169452 Mar 26 06:04 NEWS
153161 Jan 11 23:01 northamerica
1249 Jul 16 2018 pacificnew
2351 Feb 1 00:37 README
88080 Oct 16 2018 southamerica
1594 Jul 16 2018 systemv
57252 Feb 21 00:17 theory.html
6 Mar 26 06:04 version
753 Jul 16 2018 yearistype.sh
3694 Nov 1 18:47 ziguard.awk
8600 Oct 26 2018 zishrink.awk
17866 Dec 20 21:00 zone1970.tab
1453 Jul 16 2018 zoneinfo2tdf.pl
19222 Dec 20 21:00 zone.tab
```

Europe/Zurich

Europe/Zurich

Zone	Europe/Zurich	0:34:08	-	LMT	1853 Jul 16
		0:29:46	-	BMT	1894 Jun
		1:00	Swiss	CE%ST	1981
		1:00	EU	CE%ST	

Europe/Zurich

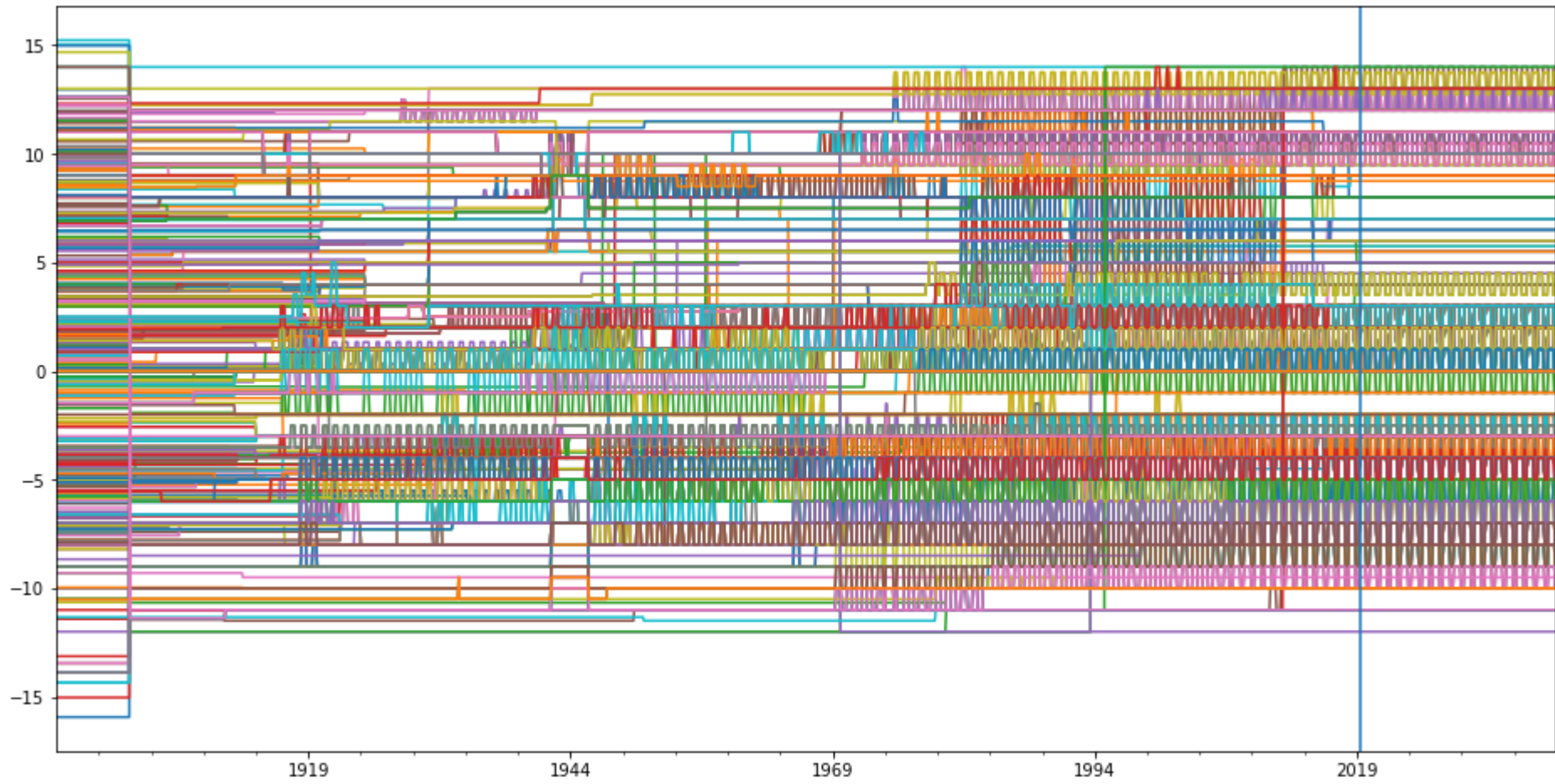
Zone	Europe/Zurich	0:34:08	-	LMT	1853 Jul 16
		0:29:46	-	BMT	1894 Jun
		1:00	Swiss	CE%ST	1981
		1:00	EU	CE%ST	

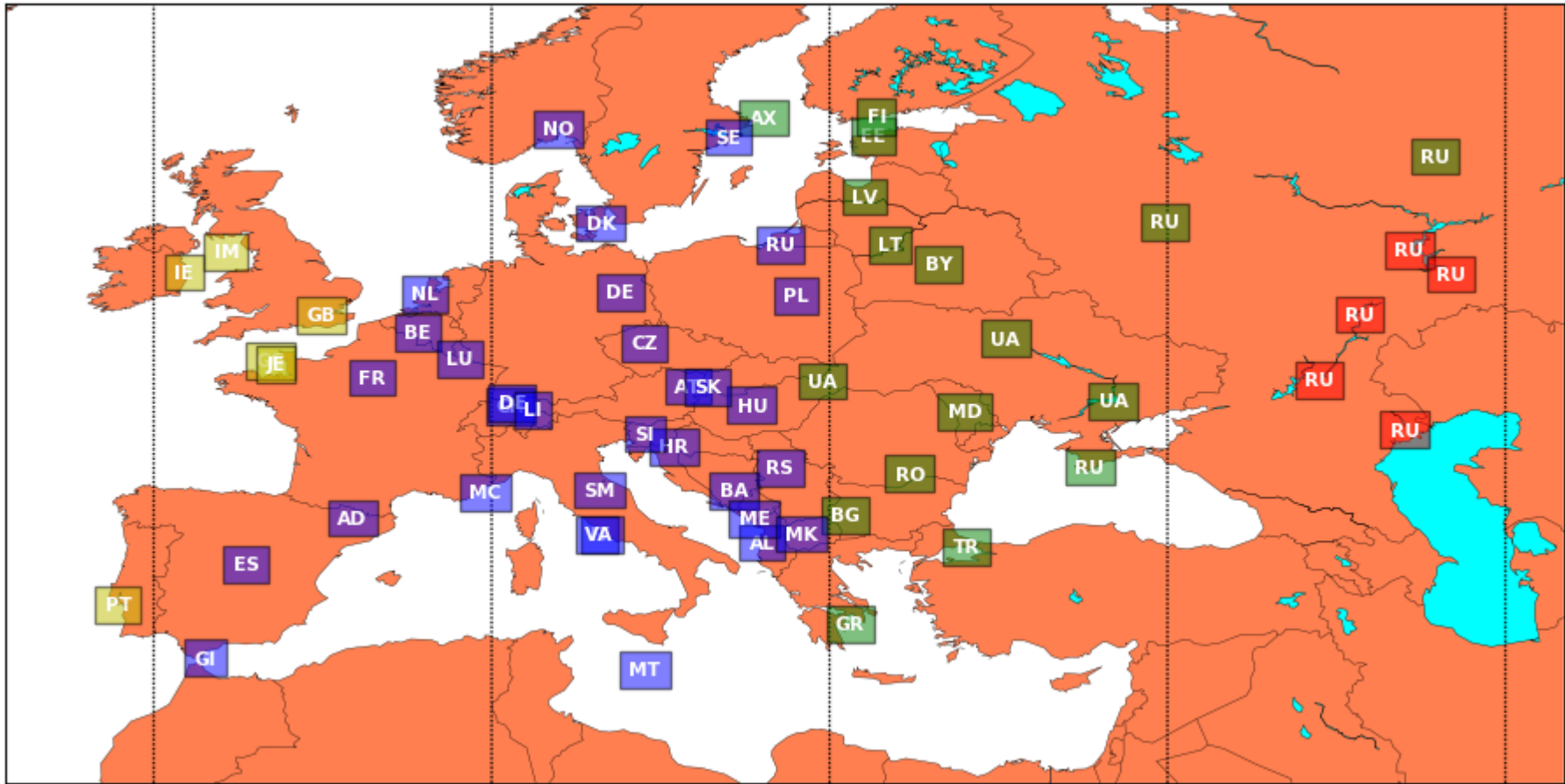
Rule	Swiss	1941	1942	-	May Mon>=1	1:00	1:00	S
Rule	Swiss	1941	1942	-	Oct Mon>=1	2:00	0	-

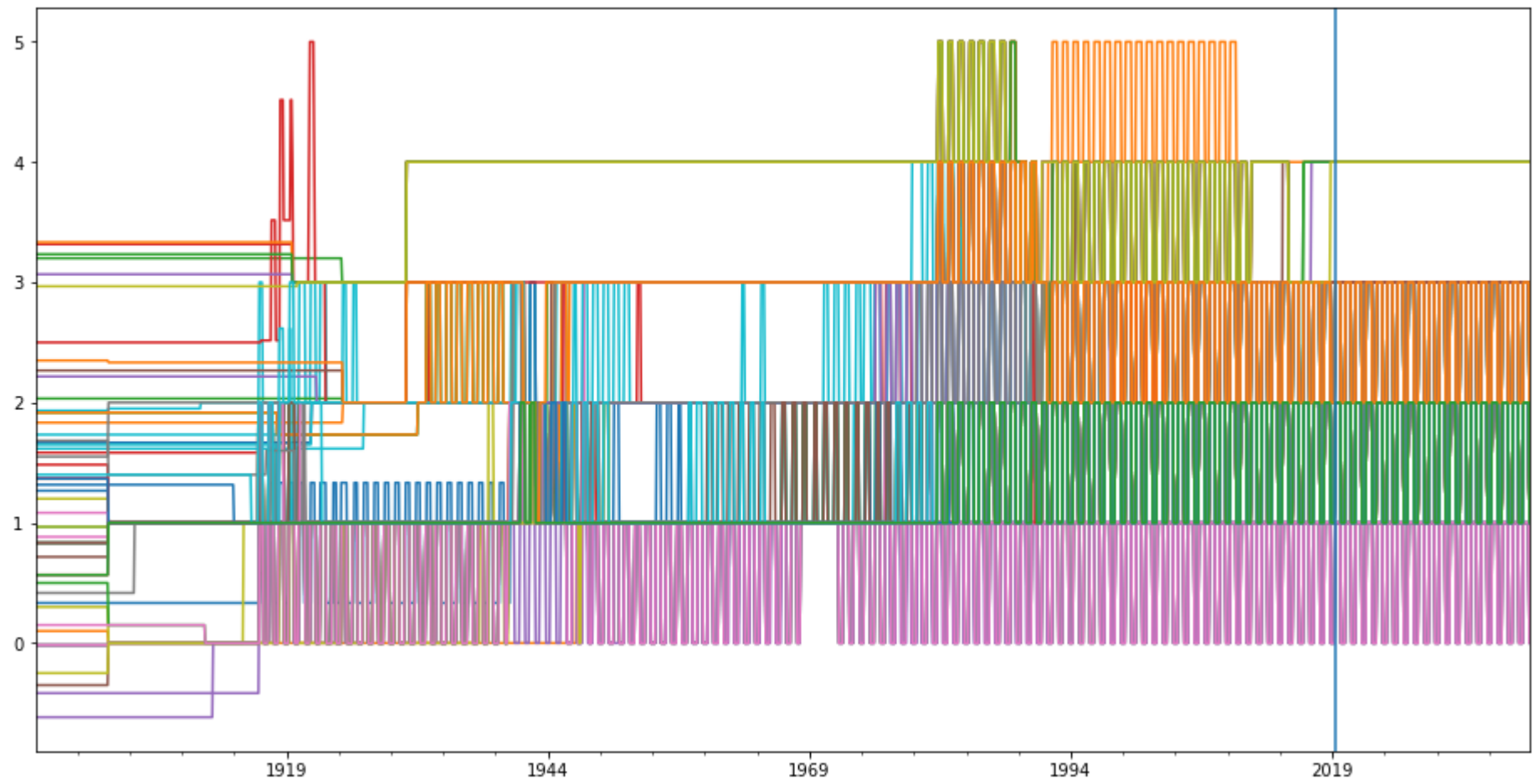
Europe/Zurich

Zone	Europe/Zurich	0:34:08	-	LMT	1853	Jul 16
		0:29:46	-	BMT	1894	Jun
		1:00	Swiss	CE%ST	1981	
		1:00	EU	CE%ST		

Rule	EU	1977	1980	-	Apr	Sun>=1	1:00u	1:00	S
Rule	EU	1977	only	-	Sep	lastSun	1:00u	0	-
Rule	EU	1978	only	-	Oct	1	1:00u	0	-
Rule	EU	1979	1995	-	Sep	lastSun	1:00u	0	-
Rule	EU	1981	max	-	Mar	lastSun	1:00u	1:00	S
Rule	EU	1996	max	-	Oct	lastSun	1:00u	0	-







Europe/Istanbul

Zone	Europe/Istanbul	1:55:52	-	LMT	1880				
		1:56:56	-	IMT	1910	Oct #	Istanbul Mean Time?		
		2:00	Turkey	EE%sT	1978	Oct 15			
		3:00	Turkey	+03/+04	1985	Apr 20			
		2:00	Turkey	EE%sT	2007				
		2:00	EU	EE%sT	2011	Mar 27	1:00u		
		2:00	-	EET	2011	Mar 28	1:00u		
		2:00	EU	EE%sT	2014	Mar 30	1:00u		
		2:00	-	EET	2014	Mar 31	1:00u		
		2:00	EU	EE%sT	2015	Oct 25	1:00u		
		2:00	1:00	EEST	2015	Nov 8	1:00u		
		2:00	EU	EE%sT	2016	Sep 7			
		3:00	-	+03					

Europe/Istanbul

```
Zone  Europe/Istanbul  1:55:52  -      LMT      1880
                        1:56:56  -      IMT      1910 Oct # Istanbul Mean Time?
                        2:00    Turkey EE%sT    1978 Oct 15
                        3:00    Turkey +03/+04 1985 Apr 20
                        2:00    Turkey EE%sT    2007
                        2:00    EU     EE%sT    2011 Mar 27 1:00u
                        2:00    -      EET      2011 Mar 28 1:00u
                        2:00    EU     EE%sT    2014 Mar 30 1:00u
                        2:00    -      EET      2014 Mar 31 1:00u
                        2:00    EU     EE%sT    2015 Oct 25 1:00u
                        2:00    1:00  EEST     2015 Nov  8 1:00u
                        2:00    EU     EE%sT    2016 Sep  7
                        3:00    -      +03
```

(2011-03-10): [...] Turkey will change into summer time zone (GMT+3) on March 28, 2011 at 3:00 a.m. instead of March 27. This change is due to a nationwide exam on 27th. [URL] Turkish: [URL]

2:00	EU	EE%sT	2014 Mar 30	1:00u
2:00	-	EET	2014 Mar 31	1:00u

[...] (2014-02-14): The DST for Turkey has been changed for this year because of the Turkish Local election.... [URL] ... so Turkey will move clocks forward one hour on March 31 at 3:00 a.m.

[...] (2014-04-15): Having landed on a flight from the states to Istanbul (via AMS) on March 31, I can tell you that NOBODY (even the airlines) respected this timezone DST change delay. Maybe the word just didn't get out in time.

[...] (2014-06-15): The press reported massive confusion, as election officials obeyed the rule change but cell phones (and airline baggage systems) did not. See: [URL from 2014-03-30] I guess the best we can do is document the official time.

2:00	EU	EE%sT	2015 Oct 25	1:00u
2:00	1:00	EEST	2015 Nov 8	1:00u

[...] (2015-09-29): It's officially announced now by the Ministry of Energy. Turkey delays winter time to 8th of November 04:00 [URL]

BBC News (2015-10-25): Confused Turks are asking "what's the time?" after automatic clocks defied a government decision ... "For the next two weeks #Turkey is on EEST... Erdogan Engineered Standard Time," said Twitter user @aysekarahasan. [URL]

2:00 EU EE%ST 2016 Sep 7
3:00 - +03

[...] (2016-09-08): Turkey will stay in Daylight Saving Time even in winter.... [URL]

[...] (2016-09-07): The change is permanent, so this is the new standard time in Turkey. It takes effect today, which is not much notice.

[...] (2017-10-28): Turkey will go back to Daylight Saving Time starting 2018-10. [URL]

[...] (2017-11-08): ... today it was announced that the DST will become "continuous": [URL]

[...] (2017-11-08): Although Google Translate misfires on that source, it looks like Turkey reversed last month's decision, and so will stay at +03.

America/Caracas

```
Zone  America/Caracas  -4:27:44  -  LMT    1890
      -4:27:40  -  CMT    1912 Feb 12 # Caracas Mean Time?
      -4:30    -  -0430  1965 Jan  1  0:00
      -4:00    -  -04    2007 Dec  9  3:00
      -4:30    -  -0430  2016 May  1  2:30
      -4:00    -  -04
```

[...] (2016-04-15): Clocks advance 30 minutes on 2016-05-01 at 02:30.... [...] [URL from Reuters]

[...] (2016-04-20): ... published in the official Gazette [2016-04-18], here: [URL from .ve]

America/Port-au-Prince

```
Rule Haiti 2005 2006 - Apr Sun>=1 0:00 1:00 D
Rule Haiti 2005 2006 - Oct lastSun 0:00 0 S
Rule Haiti 2012 2015 - Mar Sun>=8 2:00 1:00 D
Rule Haiti 2012 2015 - Nov Sun>=1 2:00 0 S
Rule Haiti 2017 max - Mar Sun>=8 2:00 1:00 D
Rule Haiti 2017 max - Nov Sun>=1 2:00 0 S
```

[...] (2005-04-15) [...] wrote me that Haiti is now on DST. I searched for confirmation, and I found a press release on the Web page of the Haitian Consulate in Chicago (2005-03-31), [...]

[...] (2006-04-04) I have been informed by users that Haiti observes DST this year like last year [...]

[...] (2012-03-11) According to several news sources, Haiti will observe DST this year, apparently using the same start and end date as USA/Canada. [...]

[...] (2013-03-10) It appears that Haiti is observing DST this year as well, same rules as US/Canada. They did it last year as well, and it looks like they are going to observe DST every year now... [...]

[...] (2016-03-12) [...] informed us that Haiti are not going on DST this year. [...]

[...] (2017-03-12) We have received 4 mails from different people telling that Haiti has started DST again today, and this source seems to confirm that, I have not been able to find a more authoritative source: [URL]

Asia/Seoul, Asia/Pyongyang

Zone	Asia/Seoul	8:27:52	-	LMT	1908	Apr	1		Zone	Asia/Pyongyang	8:23:00	-	LMT	1908	Apr	1
		8:30	-	KST	1912	Jan	1				8:30	-	KST	1912	Jan	1
		9:00	-	JST	1945	Sep	8				9:00	-	JST	1945	Aug	24
		9:00	-	KST	1954	Mar	21				9:00	-	KST	2015	Aug	15 00:00
		8:30	ROK	K%sT	1961	Aug	10				8:30	-	KST	2018	May	4 23:30
		9:00	ROK	K%sT							9:00	-	KST			

Asia/Seoul, Asia/Pyongyang

Zone	Asia/Seoul	8:27:52	-	LMT	1908	Apr	1		Zone	Asia/Pyongyang	8:23:00	-	LMT	1908	Apr	1
		8:30	-	KST	1912	Jan	1				8:30	-	KST	1912	Jan	1
		9:00	-	JST	1945	Sep	8				9:00	-	JST	1945	Aug	24
		9:00	-	KST	1954	Mar	21				9:00	-	KST	2015	Aug	15 00:00
		8:30	ROK	K%sT	1961	Aug	10				8:30	-	KST	2018	May	4 23:30
		9:00	ROK	K%sT							9:00	-	KST			

[...] (2015-08-07) According to many news sources, North Korea is going to change to the 8:30 time zone on August 15

[...] (2015-08-15) Bells rang out midnight (00:00) Friday as part of the celebrations. [...]

Asia/Seoul, Asia/Pyongyang

Zone	Asia/Seoul	8:27:52	-	LMT	1908	Apr	1		Zone	Asia/Pyongyang	8:23:00	-	LMT	1908	Apr	1
		8:30	-	KST	1912	Jan	1				8:30	-	KST	1912	Jan	1
		9:00	-	JST	1945	Sep	8				9:00	-	JST	1945	Aug	24
		9:00	-	KST	1954	Mar	21				9:00	-	KST	2015	Aug	15 00:00
		8:30	ROK	K%sT	1961	Aug	10				8:30	-	KST	2018	May	4 23:30
		9:00	ROK	K%sT							9:00	-	KST			

[...] (2015-08-07) According to many news sources, North Korea is going to change to the 8:30 time zone on August 15

[...] (2015-08-15) Bells rang out midnight (00:00) Friday as part of the celebrations. [...]

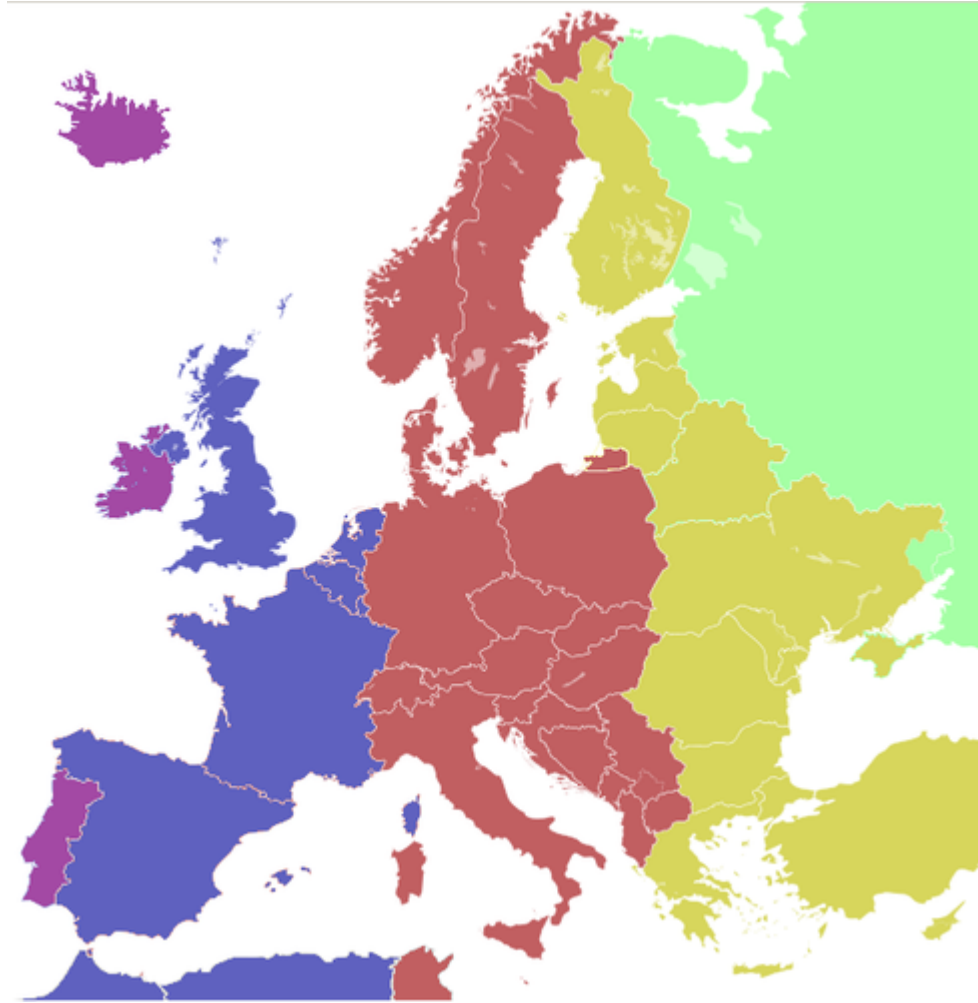
[...] (2018-04-29) North Korea will revert its time zone from UTC+8:30 (PYT; Pyongyang Time) back to UTC+9 (KST; Korea Standard Time).

[...] (2018-04-30) [...] It appears to be the front page story at the top in the right-most column.

<https://www.iana.org/time-zones>

tzdata2019a.tar.gz (2019-03-25, 370kB)

```
55821 Feb 20 23:26 africa
12975 Jul 16 2018 antarctica
160333 Mar 24 04:25 asia
87408 Nov 30 10:08 australasia
4606 Mar 8 20:28 backward
21969 Feb 20 00:30 backzone
5567 Oct 2 2017 calendars
1008 Jun 2 2017 checklinks.awk
4203 Jan 30 2018 checktab.awk
3042 Oct 5 2018 CONTRIBUTING
2768 Mar 8 20:28 etcetera
171689 Jan 25 17:44 europe
404 Jul 16 2018 factory
4463 Feb 20 00:30 iso3166.tab
2568 Jan 31 19:33 leapseconds
3645 Nov 10 06:27 leapseconds.awk
10667 Jan 31 19:33 leap-seconds.list
252 May 25 2017 LICENSE
41989 Mar 12 00:00 Makefile
169452 Mar 26 06:04 NEWS
153161 Jan 11 23:01 northamerica
1249 Jul 16 2018 pacificnew
2351 Feb 1 00:37 README
88080 Oct 16 2018 southamerica
1594 Jul 16 2018 systemv
57252 Feb 21 00:17 theory.html
6 Mar 26 06:04 version
753 Jul 16 2018 yearistype.sh
3694 Nov 1 18:47 ziguard.awk
8600 Oct 26 2018 zishrink.awk
17866 Dec 20 21:00 zone1970.tab
1453 Jul 16 2018 zoneinfo2tdf.pl
19222 Dec 20 21:00 zone.tab
```



Europe after 2021?

Europe/Zurich

Zone	Europe/Zurich	0:34:08	-	LMT	1853	Jul 16
		0:29:46	-	BMT	1894	Jun
		1:00	Swiss	CE%ST	1981	
		1:00	EU	CE%ST		

Rule	EU	1977	1980	-	Apr	Sun>=1	1:00u	1:00	S
Rule	EU	1977	only	-	Sep	lastSun	1:00u	0	-
Rule	EU	1978	only	-	Oct	1	1:00u	0	-
Rule	EU	1979	1995	-	Sep	lastSun	1:00u	0	-
Rule	EU	1981	max	-	Mar	lastSun	1:00u	1:00	S
Rule	EU	1996	max	-	Oct	lastSun	1:00u	0	-

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Rule	EU	1979	1995	-	Sep	lastSun	1:00u	0	-
Rule	EU	1981	2021	-	Mar	lastSun	1:00u	1:00	S
Rule	EU	1996	2021	-	Oct	lastSun	1:00u	0	-

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Miroslav Šedivý

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