

UTC -1, with DST:

OS0203FF0700783C0AFF0700B4FFC4

UTC, with DST:

OS0203FF0700783C0AFF0700B40000

CET, with DST:

OS0203FF0700783C0AFF0700B4003C

UTC+2h, with DST:

OS0203FF0700783C0AFF0700B40078

UTC+3h, with DST:

OS0203FF0700783C0AFF0700B400B4

UTC+4h, with DST:

OS0203FF0700783C0AFF0700B400F0

UTC+2h, no DST:

OS050000000000000000000000000078

UTC+3h, no DST:

OS0500000000000000000000000000B4

If you need to adapt the string, you have to do it according to the description in the manual.

See page 12.

7.4 Telegram with Offset to UTC and Season Data (Su - Wi)

Definition: The telegram must be transmitted at least twice:
9600 bit/s, 7 data bits, even parity, 1 stop bit.

Format:

Byte Nr.	Designation	Sign	HEX Code
1	Start sign	O	4F
2	Identification season telegram	S	53
3	1) Type of season – entry tens	0	30
4	Type of season – entry units	2 or 5	32 or 35
5 – 14	2) Daylight saving Time start date / time Daylight saving Time Offset, value ± 120 min:	0 .. 9, A .. F	30 .. 39, 41 .. 46
15	High Nibble	0 .. 9, A .. F	30 .. 39, 41 .. 46
16	Low Nibble	0 .. 9, A .. F	30 .. 39, 41 .. 46
17 – 26	2) Daylight saving Time end date / time Local Offset, value ± 780 min:	0 .. 9, A .. F	30 .. 39, 41 .. 46
27	High Byte, High Nibble	0 .. 9, A .. F	30 .. 39, 41 .. 46
28	High Byte, Low Nibble	0 .. 9, A .. F	30 .. 39, 41 .. 46
29	Low Byte, High Nibble	0 .. 9, A .. F	30 .. 39, 41 .. 46
30	Low Byte, Low Nibble	0 .. 9, A .. F	30 .. 39, 41 .. 46
31	End of telegram	CR	0D

- 1) Following types of season entries are available (see below):
 - 2: Season switch at determined day every year.
 - 5: No season switch, just offset to UTC
- 2) Definition of summer time start and end date / time:

Type(1B)	SumTime begin Time/Date (5B)				SumOffset (min) (1B)	SumTime end Time/Date (5B)				LocalOffset to UTC (min)(2B)
2	month	WDM	WD	min of day	i.e. 60 (MEZ)	month	WDM	WD	min of day	i.e. 60 (MEZ)
5	not used				no sumtime	not used				i.e. 60 (MEZ)

Legend:

- WDM:** 1 .. 4 = first .. fourth WD (weekday) of month (e.g. first Saturday in April)
 1...31 = first ...thirty-first day of the month (e.g. 21. April)
 -1 (FF) / -2 (FE) = last / last but one WD of month (e.g. last Sunday in March)
- WD:** Weekday: Monday = 1 ... Sunday = 7 or Day = 0

Example for MEZ:

1 2 3/4 5/6 7/8 9/10 11..14 15/16 17/18 19/20 21/22 23..26 27..30 31
 O S 02 03 FF 07 0078 3C 0A FF 07 00B4 003C 0D

- 3/4:** Type 2
5/6: Month 03 -> March
7/8: Hex FF = -1 -> last weekday of month
9/10: Weekday 7 -> Sunday
11..14: Hex 0078 = 120 -> 120 min. of day -> 02.00
- 15/16:** Season offset 60 min.
17/18: Month 10 -> October
19/20: see 7/8
21/22: see 9/10
23..26: Hex 00B4 = 180 min. -> 03.00
27..31: Offset to UTC 60 min.

