

# YSLW - Year Sliding or Fixed Window

This Natural profile parameter specifies the range of years covered by the "year sliding window" or "year fixed window".

The sliding-window or "year fixed window" mechanism assumes a date with a 2-digit year to be within a "window" of 100 years. Within these 100 years, every 2-digit year setting is uniquely related to a specific century, so that there is no confusion about which century is meant.

<b>Possible settings</b>	Normal Setting	0	When you set the parameter to 0, the current century is assumed. No sliding or fixed-window mechanism is used.
	Sliding Window	1 - 99	By setting the parameter to a value between 1-99, you determine when the 100-year range begins in the past. The YSLW setting is subtracted from the current year to determine the first year of the window range.  <b>Example:</b>  If the current year is 2002 and you specify YSLW=40, the sliding window will cover the years 1962 to 2061. A 2-digit year setting <i>nn</i> from 62 to 99 is then interpreted accordingly as 19 <i>nn</i> , while a 2-digit year setting <i>nn</i> from 00 to 61 is interpreted as 20 <i>nn</i> .
	Fixed Window	1582-2600	By setting the parameter to a value between 1582-2600, you determine the first year of a 100-year range. The upper boundary of the 100-year range is evaluated by adding 99 to the value specified.  <b>Example:</b>  If you specify YSLW=1985, the fixed window will cover the years 1985 to 2084. A 2-digit year setting <i>nn</i> from 85 to 99 is then interpreted accordingly as 19 <i>nn</i> , while a 2-digit year setting <i>nn</i> from 00 to 84 is interpreted as 20 <i>nn</i> .
<b>Default setting</b>	0		No sliding or fixed-window mechanism is used.
<b>Dynamic specification</b>	yes		
<b>Specification within session</b>	no		

The YSLW parameter is evaluated at runtime when an alphanumeric date setting with a 2-digit year component is moved into a date variable. This applies to data settings which are:

- used with the mathematical function VAL;

- used with the IS(D) option in a logical condition;
- read from the stack as input data;
- or entered in a map as input data.

See also the section *Processing of Date Information* in the *Programming Guide*.