

Zeiss sheet resistance values in BREIN

New AGC spectrum scanner version

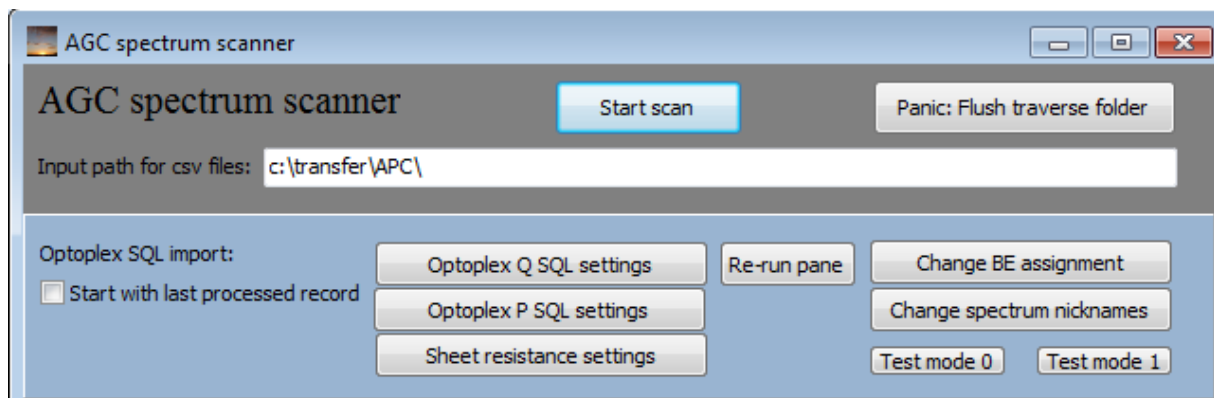
Starting with versions generated after August 23, 2018, the AGC spectrum scanner application is able to read measured sheet resistance values from the Optoplex SQL database. The obtained values are stored in result files which are then processed by BREIN. This way sheet resistance values can be displayed in BREIN views.

New lines in agc_spectrum_scanner.ini

The ini-file must be extended by 2 lines, specifying the connection string to the Optoplex database server. In almost all situations this should be the same as the connection string for the Optoplex Q data. The first additional line must be 'Sheetresistance connection string' where the second line specifies the string itself.

New subwindow

The new button 'Sheet resistance settings'



opens a new subwindow of the scanner which handles the database connection. The window and its operation is almost exactly the same as for the Optoplex Q and P data:

Sheetresistance database access

Connection string: `y=SSPI;Persist Security Info=False;User ID=Wolfgang;Data Source=WOLFGANG-PC\SQLEXPRESS`

Connect Disconnect Show all Execute

Set record to start with Last processed record: 1815

Get newest record Last measured record: 1815

LoadID: 6

ResultName: Sheet Resistance

Values: 0.0423589982092381

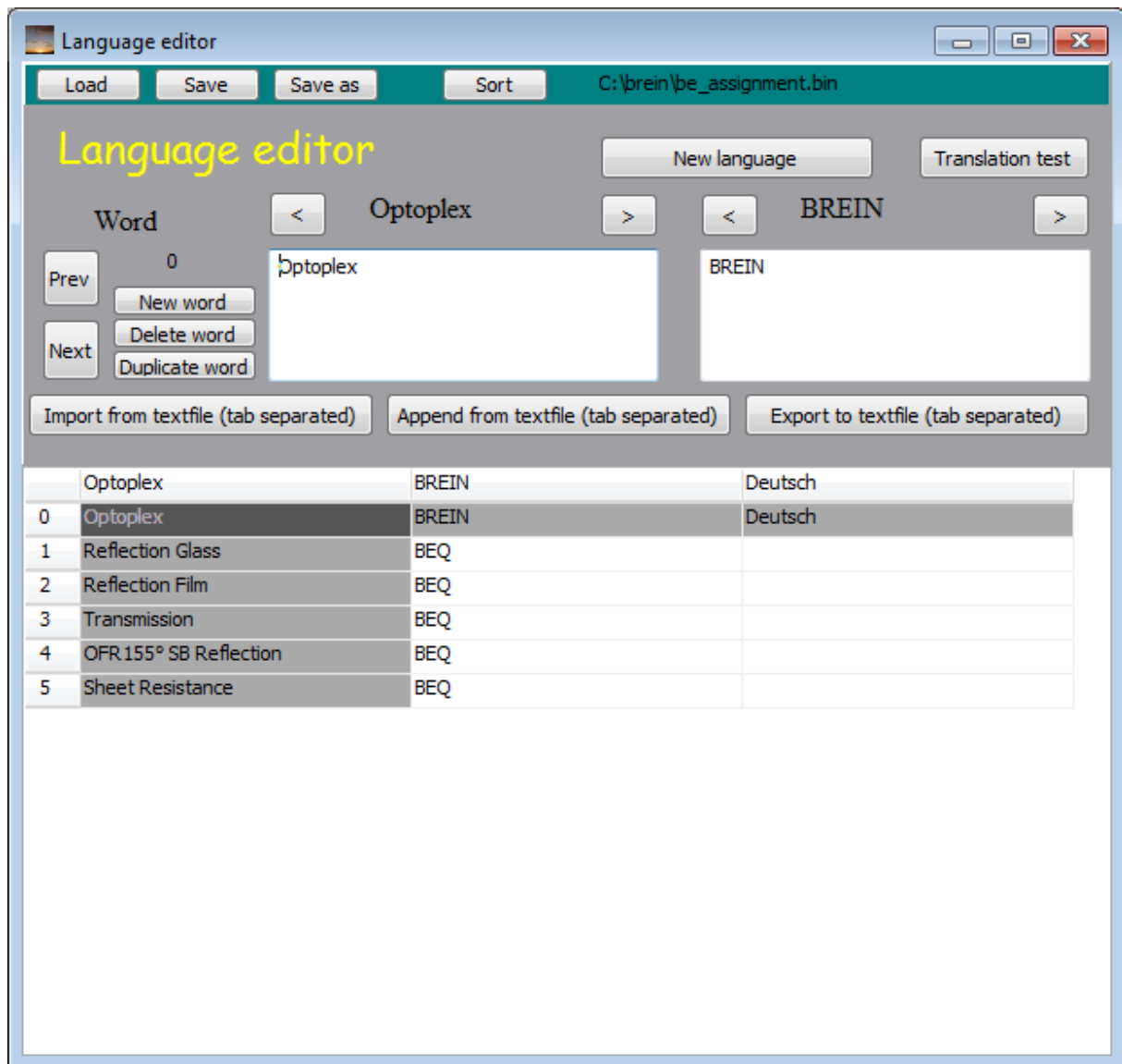
Lateral mm: 2209.2814941406 Longitudinal mm: 2870.1357421875

Navigation buttons: Previous, First, Next, Last, Add, Subtract, Up, Down, Check, X, Refresh

Id	ResultId	GlobalResultId	Timestamp
1815	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016
1804	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016
1793	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016
1782	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016
1771	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016
1760	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016
1749	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	{3DABA712-61D4-DF68-DB60-66F94C3C4C30}	06/04/2016

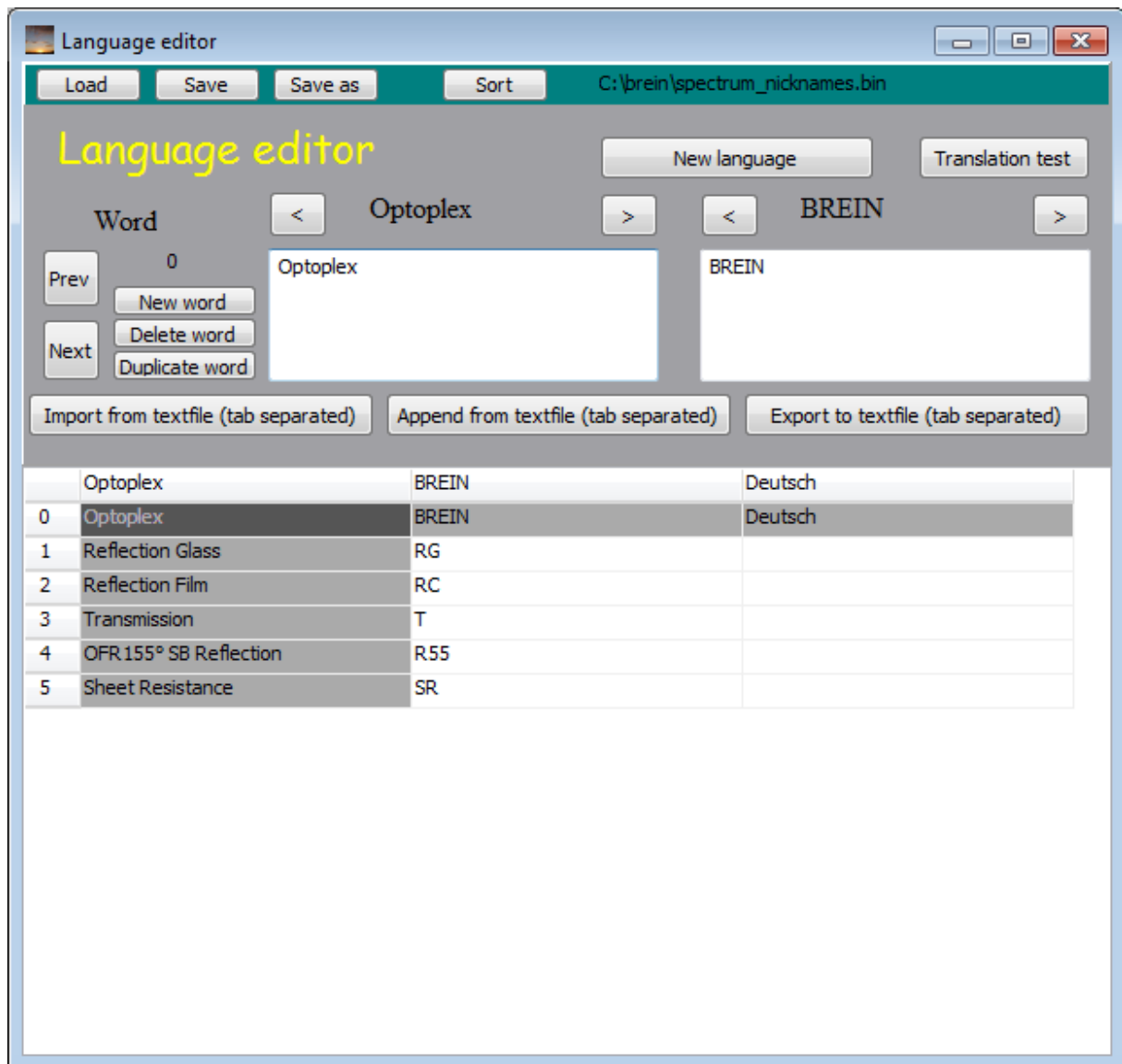
BE assignment

The BE assignment list must be extended in order to tell the scanner which BE should be assigned to the sheet resistance values. The Optoplex term must be 'Sheet Resistance' with a 'blank' between the 2 words. I recommend to assign BEQ to the sheet resistance values, i.e. the same bright eye which is used for the traverse spectra:



New spectrum nickname

Although sheet resistance values are single scalar values the command 'Change spectrum nicknames' must be used to set the BREIN name for sheet resistance values. Again the proper term for the Optoplex name is 'Sheet Resistance' (with a blank). The BREIN name must not contain any blanks because BREIN names are directly used for SQL column names. My suggestion is to use SR:



Zeiss result names different from 'Sheet Resistance'

Sometimes a Zeiss installation uses a result name for sheet resistance values which is different from 'Sheet Resistance'. In this case the scanner will not find any result records since it searches for the key phrase 'Sheet resistance' by default. You can overwrite this setting by adding 2 lines to the *.ini file of your scanner. The lines are

```
Sheet resistance key phrase
My Resistance Name
```

and they can occur anywhere in the *.ini file. In the example shown above the scanner will search for records with result name 'My Resistance Name'.

Modifications in BREIN

The receiving BREIN product must contain a parameter 'SR' (or, if you did not follow my recommendation, the name you have set as BREIN name in the spectrum nickname list). After adding a new BREIN parameter you have to re-generate the BREIN database.

If you have connected the BREIN table to an external SQL table you must add the additional parameter to the SQL table as well – this is not done automatically if you make a change in BREIN.

Once you have verified that the new values arrive in the BREIN results table you can add visualizing objects to your BREIN displays.