

Title: SipXref – the Score Cross-reference program
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Announcement

For 16 years, the SipXref program has served a considerable number of Score users world wide. It ran in DOS and it was programmed in a variety of languages: Assembler, MS-Basic and Realia Cobol. Even in the Windows environment, the DOS program was called while the result was shown as if it were a Windows program.

In view of future Score and Windows development, it was deemed necessary to rewrite this program entirely in Visual Basic and it is now available in a pure Windows environment.

New features were added to make it fit the requirements of Score5 while some user suggestions were also taken care of. It is also a lot faster.

Licensed users of SipXref obtain this program free of charge. The DOS version is no longer distributed or maintained. Experienced users will appreciate the conformity with the previous version of the program but it must be said that it is different in a few aspects.

New users can order SipXref via email. The minimum level of the SIP Control Center

Introduction

SipXref produces two text files from a set of Score files:

- summary with statistics
- cross-reference table

The summary provides detailed information on files and fonts. Also a detailed cost calculation per item is provided.

The cross-reference listing is sorted by size (if any) and text item or other item such as note marks, lines, meters, fingering, signatures, clefs, numbers, staves. All invisible items such as dummies, cues, instrument id's and page marks, are localized.

The location of an item is given as:

FILENAME sss/hhh

where **FILENAME** is the name of the Score expressed in 1-8 characters, **sss** represents the staff, and **hhh** the rounded horizontal position. When no three-digit staff numbers are used, the format is **ss**.

The aim of these two reports is to provide an accurate synopsis of an engraving project where each item of interest can be located without visually searching through music files. It allows the user to assure a consistent use of fonts and sizes for text and symbols.

An inconsistency report signals potential violations of house style rules such as two identical texts with different font or size, or different sizes for symbols. Conformity within an engraving project can be further assured by pointing out the mixing of text items and symbols referring to an identical instruction such as *cresc.*

Publishers who work with external engravers can verify that their guidelines have been followed. Every reference to a library item or a particular font is verified, which is something Score cannot. The program also checks and documents references to the CODE9 and GUITAR files.

Placement of page numbers is summarized to verify consistency.

The plate number summary shows a consistent placement on a page. Extraction information for the Page program which is also invisible in the music is duly recapped.

File usage

Input files

Input to SipXref is any number of Score music files. Files are selected via a button or dragged from the Explorer to that button. There is no limit in path length as there is in Score.

Control files

In a sense, a few other files are also input to SipXref but the user does not need to define these once SIP has been setup. These files are assumed to be present in the Score LIB folder: DRW, PSC and DAT. The options of SipXref are kept between sessions in a file named SIPXREF.PRO and project options of SIP are stored in SIPPROJ.PRO. System information is stored in a file named SIPCNTL.INI.

The average user need not be concerned with these control files.

File selection creates a file NAMES.SIP which has the format known to Page users. This file remains active until a next file selection.

The PREF.SCR file is consulted for the print file's resolution value.

Output files

The two reports created by SipXref are called SIPXREF.SUM and SIPXREF.PRN and they are shown immediately on a full screen when the program is started and has processed the input.

Optionally, the program can create a table of contents in tabular form or as 'comma separated values'.

Another option is the creation of parameter file SIPTHEMA.PAR which is to be used for the SIPTHEMA program.

Work files

A number of temporary files is created by SipXref and erased at program termination.

One file (SIPTEXTCO.TXT) which comes with the SipText program is also required by SipXref. If it does not exist (because the user does not have the license for SipText), this file is automatically created by SipXref the first time it is used.

Other terms

Fingering

This paragraph is only interesting for classical guitar. The global setting allows fingers 0 – 4 and *p*, *a*, *m*, and *i* to be defined as fingering. SipXref will then recognize these fingers as such in cost calculation and in the cross-reference table.

Cross-reference options

The user may not be interested in all the details which the program provides. While text items and a few other items are cross-referenced by default, some others need to be selected by the user via check boxes. The settings are kept between sessions.

Reporting

All files are presented by Notepad. When the user wants to preserve a report, the procedure would be to input it in a text processor such as Word. The following setup is suggested:

paper size = landscape

document font = Courier Bold

font size = 8

page numbers = yes

The width of the page is influenced by the Columns setting.

EPS checking

When EPS files are available of the music pages being presented to SipXref, these are also scanned and summarized. When an EPS file is older than its source, this is signaled.

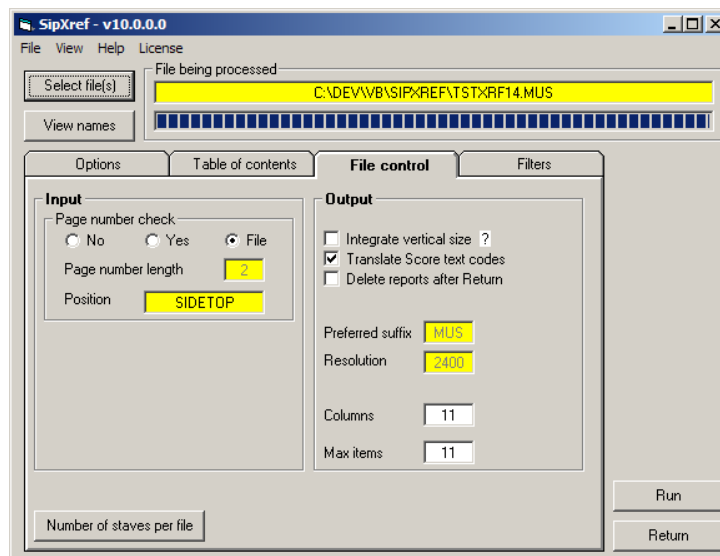
The summary allows the checking of consistency of print parameter setting. To perform this analysis, SipXref picks up the resolution value from the PREF.SCR file.

User interface

There are a main panel and a sub-panel to interface with the user. A detailed description of those panels follows.

Main panel

This panel is called from the SIP Control Center.



The menu line has four functions:

File

There is only one sub menu: Exit

View

You can view three files:

SIPXREF.PRO which is the profile keeping the options in between sessions.

The other files are the summary and cross-reference of the last execution of SipXref. These two files may have been erased after use ('Delete reports after Return') in which case the view functions are disabled.

Help, License

Self explanatory.

File selection and progress reporting

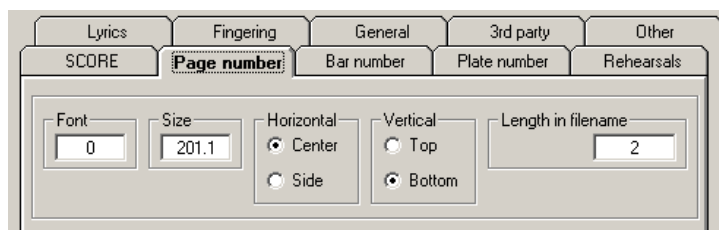
The top part is for file selection and progress reporting. Push the 'Select file(s)' button to obtain a selection dialog. A fast way to select files is to drag the name(s) from the Explorer to this button. The 'View names' shows the file NAMES.SIP which has the full paths of the selected music files. Note that file names must all have the same path prefix (the files must be in the same folder). When there are parallel EPS files, they also need to be in the same folder to be analyzed.

The yellow field has the name of the file being scanned. There is a progress bar under this field.

File control panel

This tab is on the front by default. Here you control the input and output settings.

For input, you can ask for page number checking. Page numbers are recognized by their global setting, ie.



In this example, Code10 items which have Par6=201.1 and Par7=0 are checked for proper placement. The numeric part in a file name is the rightmost group of digits, so for file 1A023B.MUS, the page number would be 23.

The possible diagnostics can be:

Error code	Description
-	Page number missing
2	Duplicate number
3	Number less than 1
4	Number not integer
5	Number not on highest staff
6	Number not in center
7	Even number not left
8	Odd number not right
9	Number not above staff
10	Number not on lowest staff
11	Number not below staff
12	Number different from file name

Here is a sample output (included in the summary):

```
Page number error(s), position = SIDETOP
File: TSTXRF01, Page number=5, Par3=194.00, Error = 12 (Number different from file name)
File: TSTXRF02, Page number=3, Par3=199.00, Error = 2 (Duplicate number)
```

The left margin is below 10, the right margin is beyond 190. The center margin is 95-105. When page number check is requested, conformity is checked on the page number placement so that the user can be sure that page numbers are at identical horizontal positions.

Here is a sample output (included in the summary)

```

Page number placement consistency
Files with page number at 4.00 . . . 21
Files with page number at 196.00 . . . 20

```

For output, a few options can be set:

Integrate vertical size

This will execute Scorlas to collect vertical page sizes for each file. The function is hardware sensitive and not all computers or Windows operating systems can do this. This sample shows how SipXref integrates these values:

Filename	Size	Date	Time	Licence	Items	top	vSize	eps
TSTXRF01.MUS	3706	2009-03-04	00:13:00	3101073	103	6	4.96in	new
TSTXRF02.MUS	2070	2009-04-07	13:01:59	3101073	51	10	19.43cm	old

When unsuccessful, a message comes up 'Creation of Scorlas report failed' and the switch is to be set off. In this case the summary will not show the vertical page size, just whether it is in metrics or in inch.

Translate Score text codes

When set, all special characters such as accented characters and uncommon characters in text items are provided as they would appear on paper. An exception is for the '?1' (flat) and '?3' (natural) characters as these cannot be represented. These are replaced by an underscore. Hence, the user has a choice to show the text 'Variété' as such or as Score would have it: 'Vari<<et<<e'.

Delete reports after return

This option when set causes deletion of the summary and the cross-reference table. The 'View' menu which rolls out to show its options will have disabled the view of these files in a subsequent session.

Preferred suffix

This shows which global option is to be applied to file selection. Most users will have MUS or PAG in this field.

Resolution

This value is picked up from PREF.SCR and is used to interpret the EPS contents and compute the original pixel value:

Filename	eps	Size	Pix	x-off	y-off
TSTXRF01.MUS	new	1.00	8	0.50	0.75

Columns

From 1 to 20 columns can be given in the cross-reference table. Set the value which best fits your screen (or document if you want to keep the result).

Max items

If you want all occurrences of an item, put a high value here like 99999. Generally, the cross-reference is to signal abnormal situations and when a particular item occurs many times you will not be too interested in this. It is a good policy to make this value equal to or a multiple

of the columns value. When not all occurrences are given, this is indicated by '>>'. How many of such items occur is given on the left side.

Number of staves per file

Push this button to obtain a condensed listing with number of staves per file.

Options panel

On this panel you specify the price per all or per individual item, or per page. This information can be used for invoicing. When all prices are zero, there is no cost summary.

Pricing			
1	0.02	7	0.02
2	0.02	8	0.02
3	0.02	9	0.02
4	0.02	10	0.02
5	0.02	11	0.02
6	0.02	12	0.02
		13	0.02
		14	0.02
		15	0.02
		16	0.02
		17	0.02
		18	0.02

If you want specific items to be included in the cross-reference table in addition to the default items, you can specify them here.

Table of Contents panel

A table of contents can be produced in two different formats – CSV and plain text in columns. The output may be copied to another application as the file is deleted after exiting SipXref.

Table of contents

Title font size (min/max) are defined in the Filters tab: 2.00 2.00

Composer font size 1.20

Table of contents

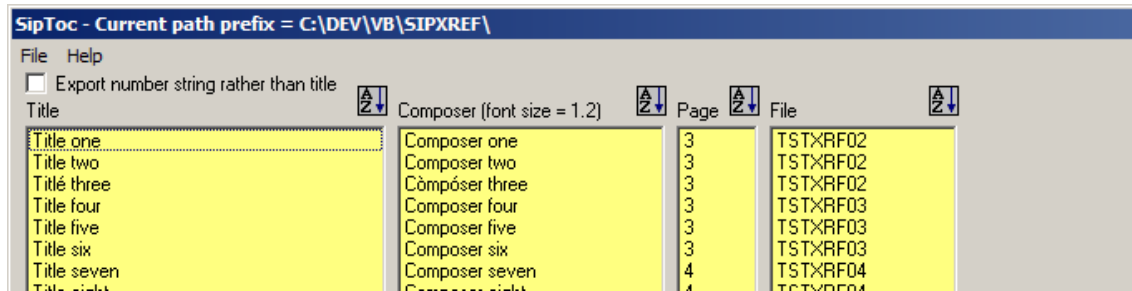
Information put in table form are:

Title

Composer
Page number
File name

To recognize a title, the user must define the size (actually the minimum and maximum size in Score steps) in the 'Filters' panel. The composer size is defined on the ToC panel.

When the button is pushed, another panel appears which claims the entire screen. This is an example of the significant part:



SipToc - Current path prefix = C:\DEV\VB\SIPXREF\
File Help
 Export number string rather than title
Title Composer (font size = 1.2) Page File

Title	Composer (font size = 1.2)	Page	File
Title one	Composer one	3	TSTXRF02
Title two	Composer two	3	TSTXRF02
Title three	Composer three	3	TSTXRF02
Title four	Composer four	3	TSTXRF03
Title five	Composer five	3	TSTXRF03
Title six	Composer six	3	TSTXRF03
Title seven	Composer seven	4	TSTXRF04
Title eight	Composer eight	4	TSTXRF04

Before creation of the ToC, the user can sort in any desired order.

An additional feature is the creation of the file SIPTHEMA.PAR for the SIPTHEMA utility. It extracts up to 26 incipits. By default it takes the first four bars of a page, so the user may need to adapt the file before running the utility.

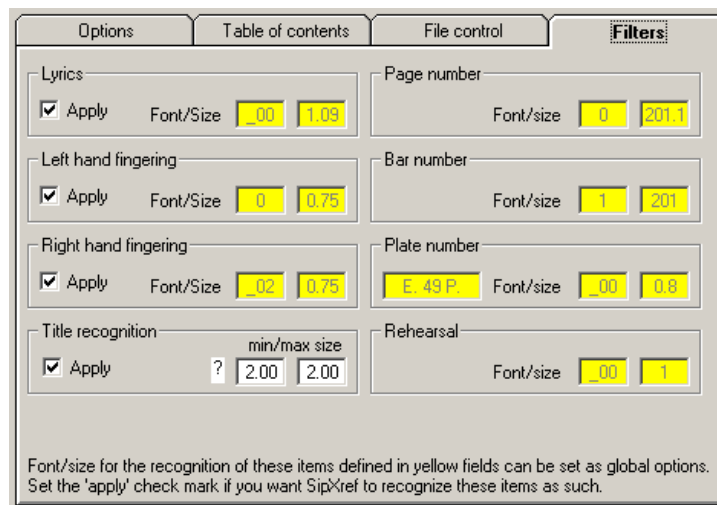
The feature 'Export number string rather than title' generates 'N° 1', 'N° 2', etc.

Remember that the ToC files are not saved. The user can do a 'select all', then copy this to another file for further processing in another application.

The SIPTHEMA.PAR is not erased.

Filters panel

Filters allow the recognition of specific items. Except for the title recognition filter, all specific items are defined as global options. They are repeated here in read-only fields to remind you of their setting.



Options Table of contents File control **Filters**

Lyrics
 Apply Font/Size

Left hand fingering
 Apply Font/Size

Right hand fingering
 Apply Font/Size

Title recognition
 Apply min/max size

Page number
Font/size

Bar number
Font/size

Plate number
 Font/size

Rehearsal
Font/size

Font/size for the recognition of these items defined in yellow fields can be set as global options. Set the 'apply' check mark if you want Sipxref to recognize these items as such.

By setting the 'Apply' switches, such items are included. In order to suppress the lyrics syllables you would reset the Lyrics 'Apply' switch.

Note that 'Title recognition' applies to three occurrences of titles:

- The File summary (when more than one title on a page, these are separated by '/')
- The Number of staves report
- The Table of Contents output.

Output description

Every execution of SipXref generates two reports which are displayed on the screen. The first is the summary, and when that is closed, the cross-reference table appears.

Optionally, the program can produce the 'Number of staves report' and the three files as described above in 'Table of Contents'.

Summary

The summary has a number of tables described here:

Filename table with 14 columns:

- Filename without the path prefix but with the Score file suffix such as .MUS
- Size in bytes as generated by Score
- Date of creation
- Time of creation
- License number (may be absent when the file was not created by Score)
- Items – the number of Score items
- Top – the highest staff found in this file
- Vertical size – as supplied by Scorlas when the feature was set
- EPS – this can be either 'new', 'old' or '---' the latter meaning absent
- Size – at print EPS time, the size factor set as 2nd value in the print menu
- Pix – number of pixels, set as 7th value in the print menu
- x-off and y-off – set as 4th value in the print menu
- Title – one or more titles encountered on the page separated by '/'

When no parallel EPS files are present in the same folder as the input music files, the columns Size, Pix, x-off and y-off are left blank.

Then follows summary information on the environment. Here is an example:

```
License . . . . . 0155 (User=Pietje Puk)
Input path . . . . . C:\DEV\VB\SIPXREF\
Names path . . . . . C:\Dev\VB\SipXref\NAMES.SIP
Score LIB path . . . . C:\LIB
Code9.DAT path . . . . C:\LIB\CODE9.DAT (times accessed: 1)
GUITAR.DAT path . . . C:\LIB\GUITAR.DAT (times accessed: 1)
```

Then follow tables with totals per Score code and per specific item. Here is an example:

1 - notes	33	2 - rests	11
3 - clefs	22	4 - lines	9
5 - slurs	12	6 - beams	4
7 - trills	4	8 - staves	53
9 - symbols	26	10 - numbers	59
11 - libe items	2	12 - shapes	11
13 - dummies	2	14 - barlines	18
15 - EPS graphs	0	16 - texts	71
17 - key sign.	11	18 - meter sign.	9
Number of Notemarks	6	Number of Numbers (page) . . .	8
Number of Restmarks	1	Number of Numbers (circle) . . .	2
Number of Clefs (treble)	3	Number of Numbers (box)	4
Number of Clefs (bass)	1	Number of Numbers (LHfing) . . .	2

Number of Clefs (alto)	1	Number of RH fingers	3
Number of Clefs (tenor)	1	Number of 1st Endings	1
Number of Clefs (perc)	1	Number of 2nd Endings	1
Number of Clefs (chor ten)	2	Number of Tuplet beams	3
Number of Clefs (8va)	2	Number of Tuplet brackets	4
Number of Clefs (15ma)	2	Number of Tuplet slurs	1
Number of Clefs (8ba)	3	Number of Bar marks	1
Number of Lines (hair<)	1	Number of Blank texts	4
Number of Lines (hair>)	1	Number of Invisible rests	1
Number of Lines (wiggle)	4	Number of Invisible barlines	1
Number of Lines (dash)	2	Number of Invisible staves	12
Number of Lines (straight)	2	Number of Cues	2
Number of Accidentals	0		
Number of Embedded fonts	6		
Number of Texts without font prefix	3		
Number of Outline texts	2		
Number of Truncated texts	0		
Number of Text characters	1369		
Number of Undefined DRW members	0		

Font usage is shown in two tables of which an example follows:

Font usage	
00 Times-Roman	87
01 Times-Bold	9
02 Times-Italic	35
03 Times-BoldItalic	14
05 Helvetica-Bold	1
06 Helvetica-Oblique	2
20 Bookman-Light	1
22 Bookman-Demi	2
23 Bookman-DemiItalic	1
24 NewCenturySchlbk-Roman	5
25 NewCenturySchlbk-Bold	1
90 Score Bodoni	3
91	1
92 Score Bodoni Italic	3
93	1
94 Score Music number font	5
96	1
98	1
99 Score unspecific DRW font	8

Default font usage	
Number of _00 endings	2
Number of _00 Code1 fingers	2
Number of _00 Code9 texts	3
Number of _02 bracket tuplets	4
Number of _02 beam tuplets	3
Number of _02 octavas	0
Number of _02 Code9 texts	15
Number of _03 treble clefs lo 8	2
Number of _03 treble clefs hi 8	2
Number of _03 treble clefs lo 15	2
Number of _03 bass clefs lo 8	3

It should be noted here that fonts are not only the result of Code16 items. Many other Score items can create text which will eventually result in Postscript code with a font. On the other hand, a text item need not give rise to Postscript code with font, an example would be _00?1 which draws a symbol from BODN8.DRW. Use the freeware utility SipEpsFix (Analyze function) to see which files use which fonts.

Then follows a summary of staves. An example:

Staff sizes	
Staves of size .50	3
Staves of size .70	5
Staves of size .75	1
Staves of size .90	1
Staves of size 1.00	37

```

Staves of size 1.40 . . . . . 1
Staves of size 1.50 . . . . . 5

```

Followed by statistics on Instruments and Cues, such as:

```

Instruments
Instrument 1234 occurs . . . . . 1
Instrument 4321 occurs . . . . . 1

Cues
Cue 12 occurs . . . . . 1
Cue 543 occurs . . . . . 1

```

The shortest and longest stems are shown here in the following example, This information is supplied because the AD command in Score behaves erratically (extreme negatives) when there are more than two voices and beams.

```

Stem extremes
Shortest stem encountered in file TSTXRF01 at 1/15 Length=-2
Longest stem encountered in file TSTXRF04 at 6/30 Length=3

```

Then follows the page number information when the user has requested either Yes or File in the Input fame of the panel named File Control. Here an example, with the consistency for page number placement:

```

Page number error(s), position = SIDETOP
File: TSTXRF01, Page number=5, Par3=194.00, Error = 5 (Number not on highest staff)
File: TSTXRF02, Page number=3, Par3=199.00, Error = 2 (Duplicate number)
File: TSTXRF03, Page number=3, Par3=004.00, Error = 8 (Odd number not right)
File: TSTXRF04, Page number=4, Par3=195.00, Error = 7 (Even number not left)
File: TSTXRF05, Page number=5, Par3=197.00, Error = 9 (Number not above staff)
File: TSTXRF06, Page number=6, Par3=000.00, Error = 4 (Number not integer)
File: TSTXRF08, Page number missing

```

```

Page number placement consistency
Files with page number at .00 . . . 1
Files with page number at 4.00 . . . 1
Files with page number at 194.00 . . . 2
Files with page number at 195.00 . . . 1
Files with page number at 197.00 . . . 1
Files with page number at 199.00 . . . 1

```

The summary is terminated with cost information and a total line – an example follows:

Cost specification				
	Code	Items	UnitPrice	Total
1 - notes		33	.02	.66
2 - rests		11	.02	.22
3 - clefs		22	.02	.44
4 - lines		9	.02	.18
5 - slurs		12	.02	.24
6 - beams		4	.02	.08
7 - trills		4	.02	.08
8 - staves		53	.02	1.06
9 - symbols		28	.02	.56
10 - numbers		59	.02	1.18
11 - libe items		2	.02	.04
12 - shapes		11	.02	.22
13 - dummies		2	.02	.04
14 - barlines		18	.02	.36
15 - EPS graphs		0	.02	.00
16 - texts		71	.02	1.42
17 - key sign.		11	.02	.22
18 - meter sign.		9	.02	.18
	LH finger	2	.02	.04
	RH finger	3	.02	.06
	Totals	364		7.28

14 page(s) at 21.56 = 301.84

Total number of files processed 14

When all prices are zero, this spec is bypassed. For zero items, no line is generated (the Code15 in the above example would actually not be printed).

Note that the page price is only given when a cost per page is given. The above example is not a realistic situation. It shows that a user can charge different prices for different items. Particularly fingering of classical guitar music is labor intensive and is normally priced higher than other items.

Cross-reference table

In its simplest form (no options set), the pertinent information and the text items from a set of files are provided. Here is an example using the two SIP installation verification files which come with each SIP delivery.

SipXref - Cross-reference table - v10.0.0.0 - 04-07-2009 - 17:39:14

First file C:\SCORE\SIPIVP01.MUS
Last file C:\SCORE\SIPIVP02.MUS
Number of files 2

#refs	Size	Item	Refs
7		Line par6<par3	SIPIVP01 12/171 SIPIVP02 03/053 SIPIVP02 03/062 SIPIVP02 06/087 SIPIVP02 06/112 SIPIVP02 09/058 SIPIVP02 12/132
2	.80	_00E. 49 P.	SIPIVP01 01/095 SIPIVP02 01/095
1	.80	_28Grav. J. de Kloe	SIPIVP02 01/001
1	1.00	Rehearsal 44	SIPIVP01 09/060
1	1.00	Rehearsal 55	SIPIVP01 06/106
1	1.00	Rehearsal J	SIPIVP02 03/067
1	1.00	_02rall.	SIPIVP02 07/038
1	1.00	_02vertragen	SIPIVP02 09/038
1	1.00	_04SIP Installation Verification file 1 (SIPIVP01.MUS v1.3)	SIPIVP01 12/059
1	1.00	_04SIP Installation Verification file 2 (SIPIVP02.MUS v1.3)	SIPIVP02 12/059
1	1.00	_24[= 60	SIPIVP02 07/166
1	1.00	_24[= 80	SIPIVP01 12/028
1	1.00	_25Andante	SIPIVP02 07/148
1	1.00	_25Traag	SIPIVP02 09/148
1	1.20	_24Jan Niklaas Devillé	SIPIVP01 12/161
1	1.20	_24M.L. Lories	SIPIVP01 12/000
1	2.00	_24Avondstond	SIPIVP01 12/080

17 Items
24 References

As can be seen, the column value was set to 4 to be able to include this example in a portrait format document. Lyrics were suppressed in this run.

Another feature shown on the first detail line is an abnormal situation invisible in the score.

As said, some items such as the rehearsals here are provided by default.

The same input but with the 'numbers' option set will give this:

SipXref - Cross-reference table - v10.0.0.0 - 04-07-2009 - 17:49:28

First file C:\SCORE\SIPIVP01.MUS
Last file C:\SCORE\SIPIVP02.MUS
Number of files 2

#refs	Size	Item	Refs
5		FontCode10p7=0	SIPIVP01 06/106 SIPIVP01 09/060 SIPIVP01 12/004 SIPIVP02 03/067 SIPIVP02 12/196
7		FontCode10p7=1	SIPIVP01 03/000 SIPIVP01 06/000 SIPIVP01 09/000 SIPIVP02 03/000 SIPIVP02 06/000 SIPIVP02 09/000 SIPIVP02 12/000
7		Line par6<par3	SIPIVP01 12/171 SIPIVP02 03/053 SIPIVP02 03/062 SIPIVP02 06/087

		SIPIVP02 06/112	SIPIVP02 09/058	SIPIVP02 12/132
2	.80	_00E. 49 P.	SIPIVP01 01/095	SIPIVP02 01/095
1	.80	_28Grav. J. de Kloe		
		SIPIVP02 01/001		
1	1.00	NumBar004	SIPIVP01 09/000	
1	1.00	NumBar008	SIPIVP01 06/000	
1	1.00	NumBar012	SIPIVP01 03/000	
1	1.00	NumBar015	SIPIVP02 12/000	
1	1.00	NumBar019	SIPIVP02 09/000	
1	1.00	NumBar023	SIPIVP02 06/000	
1	1.00	NumBar026	SIPIVP02 03/000	
1	1.00	Rehearsal 44	SIPIVP01 09/060	
1	1.00	Rehearsal 55	SIPIVP01 06/106	
1	1.00	Rehearsal J	SIPIVP02 03/067	
1	1.00	_02rall.	SIPIVP02 07/038	
1	1.00	_02vertragen	SIPIVP02 09/038	
1	1.00	_04SIP Installation Verification file 1 (SIPIVP01.MUS v1.3)		
		SIPIVP01 12/059		
1	1.00	_04SIP Installation Verification file 2 (SIPIVP02.MUS v1.3)		
		SIPIVP02 12/059		
1	1.00	_24[= 60	SIPIVP02 07/166	
1	1.00	_24[= 80	SIPIVP01 12/028	
1	1.00	_25Andante	SIPIVP02 07/148	
1	1.00	_25Traag	SIPIVP02 09/148	
1	1.10	NumPag002	SIPIVP01 12/004	
1	1.10	NumPag003	SIPIVP02 12/196	
1	1.20	_24Jan Niklaas Devillé		
		SIPIVP01 12/161		
1	1.20	_24M.L. Lories	SIPIVP01 12/000	
1	2.00	_24Avondstond		
		SIPIVP01 12/080		

28 Items
45 References

After the cross-reference table comes the inconsistency report. This report signals possible situations to be fixed prior to delivery of the engraving project. The following situations are caught and best demonstrated by explanatory examples:

NumBox
occurs with different font/line thickness: p7=1/p7=1022

Symbol 31 frmta
occurs with different sizes: 0.50/0.60

cresc.
occurs as symbol and as text with font: _02

some text
occurs with different text fonts: _02/_20

Some text with Uppercase
occurs with different text format: Some text with Uppercase
some text with uppercase

più
occurs with different text format: più
piú

A word of advice about this inconsistency report which gives text look-alikes: character strings are reduced to digits and uppercase letters with all other characters removed, so the strings '(a)' and 'A' will compare as 'A' and 'A' (meaning equality while the actual strings are unequal) and hence give rise to a 'different text format' message. Likewise, the strings '(*)' and '(***)' will compare as two empty strings and therefore be considered a potential inconsistency. It is to the user to decide whether these are inconsistencies or not. To locate the signaled inconsistencies, refer to the cross-reference table.

The plate number report gives an overview of the placement and presence of plate numbers. When a plate number is defined as a global setting, each file is inspected and the table shows

whether placement is consistent in the entire group of files. The example shows a situation where two pages have a misplaced number as compared to the others. This example does not show another check – that of a duplicate plate number.

--- Plate number report -----

Plate number defined as global setting: E. 49 P.
 Font: 00
 Size: 0.8

Staff	Horz	Vert	Times	Files
1	94.44	-15.00	2	SIPIVP05 SIPIVP06
1	95.44	-15.00	6	SIPIVP01 SIPIVP02 SIPIVP03 SIPIVP04 SIPIVP07 SIPIVP08

No duplicate plate numbers encountered in a file.
 No files without plate number.

The extraction report shows more information which is not visible in printed Score files – that of ‘pass’ information for the Page program. Those items with a 2xx indicator are not shown as they will not be considered by Page.

--- Extraction indicator report -----

File	Staff	Horz	PassAttr	Type	Element
SIPIVP03	2	89.90	1	05	2nd Ending
SIPIVP03	3	20.01	1	10	24
SIPIVP03	3	40.01	3	10	26
SIPIVP03	3	40.04	1	16	00een
SIPIVP03	3	60.04	3	16	00een
SIPIVP03	3	89.90	1	05	1st Ending
SIPIVP03	3	124.42	1	09	53 p
SIPIVP03	3	134.42	3	09	53 p

46 items with pass indicator, 5 of type 1xx, 38 of type 2xx (not listed), 3 of type 3xx.

Document update history

Version	Date	Issue	Author
10.0.0.0	April 7, 2009	Replaces DOS program v9.28	de Kloe