SciDAVis diagram for several Markers.

General	General			
General	Application Confirmations	Colors	Numeric Format	
Tables	Default Number of Decimal Digits	6		
	Decimal Separators	1,0	000.0	
D Plots	Use group separator	Pre	Preview: 1,000.123457	
	Default numeric format	Au	tomatic (e)	
3D Plots				

	? ×
Tables	
Display Comments in Header	SPACE +
Colors Background	
Text Labels	
Fonts	
<u>T</u> ext Font	Labels Font
6	Apply QK Cancel
	Default Column Separator Colors Background Text Labels Fonts

When using Win7 some parameters have to be changed.

In Preferences, General, Numeric Format, set Decimal separators to 1,000.0.

In preferences, Tables, set Default Column Separator to SPACE

Importing ASCII file

🔏 Import ASCII File(s	s)
Look in:	Perseus 🗸 🔾 🔿 💽 🔝 🗉
My Computer	PerseusWinUSBDrivers HFSpan.exe perseus2m24v21.sbs perseus2m24v21.sbs broadcas.txt markers.log perseus48k24v31.sbs perseus95k24v31.sbs perseus95k24v31.sbs eibi.readme.txt membank1.dat perseus95k24v31.sbs perseus95k24v31.sbs perseus95k24v31.sbs perseus95k24v31.sbs eibi.txt perseus_oldver_release_notes.txt perseus125k24v21.sbs perseus125k24v21.sbs perseus125k24v31.sbs hfcc.txt perseus1m24v21.sbs perseus1m24v21.sbs perseus1m24v21.sbs perseus1m24v21.sbs
File name: marker: Files of type: All files	
Import each file as: Separator:	New Table ✓ ✓ Use first row to name columns SPACE ✓ ✓ Remove white spaces from line ends
Ignore first 📝 <u>N</u> umeric data	6 lines Simplify white spaces Decimal Separators 1,000.0
Remember the a	above options Help

Enter the import settings as in the formular.

The first 6 lines in Markers.log are information lines and shall be excluded in the table.

Also check that Decimal Separators is set to 1,000.0

			Table Windows H	ep 3, Pa 💼 🗗 📑	+ ΣI <u>Σ</u>		
	Table2 - C:/Perseus/	markers.log					
	[]#[X]	Data[Y]	[€] format[Y]	⊞:M	ElapsedTime[Y]	MkrId[Y]	
1	5.008	0	621	-89.2	-	-	
2	5.008	1	665.922	-109.3	-	-	
3	10.015	0	621	-88.8	-	-	
4	10.015	1	665.922	-107	-	-	
5	15.023	0	621	-88.6			
6	15.023	1	665.922	-103.4	2	-	
7	20.03	0	621	-88.4	-	-	
8	20.03	1	665.922	-103.1	-	-	
9	25.038	0	621	-88.1		-	
10	25.038	1	665.922	-104	<u>u</u>	-	
11	30.046	0	621	-88.2	-	-	
12	30.046	1	665.922	-102.5	-	-	
13	35.053	0	621	-88.2	-	-	
14	35.053	1	665.922	-103.8	-	-	
15	40.061	0	621	-88.3		-	
16	40.061	1	665.922	-105.8	-	-	
17	45.069	0	621	-88.5	-	-	
18	45.069	1	665.922	-102	-	-	•
19	50.076	0	621	-89.1	-	-	1
20	50.076	1	665.922	-104	-	-	
21	55.084	0	621	-89.6	*	-	
22	55.084	1	665.922	-104.7	-	-	
23	60.092	0	621	-90.3	-	-	
24	60.092	1	665.922	-105.3	-	-	
25	65.099	0	621	-91.6		-	
26	65.099	1	665.922	-102.9	-	-	
27	70.107	0	621	-92.2	-	-	
28	70.107	1	665.922	-105.2	-	-	
29	75.114	0	621	-93.4	7		
30	75.114	1	665.922	-101.3	2	-	
31	80.122	0	621	-94.3	-	-	
32	80.122	1	665.922	-107.2	-	-	
33	85.13	0	621	-94.6		-	
34	85.13	1	665.922	-105.9	<u>.</u>	-	
35	90.137	0	621	-95	-	-	
36	90.137	1	665.922	-104.7	-	-	
•						•	

Note the structure of the table after import of data.

The markers is layed out in order in the Data column for each ElapsedTime value.

To make a diagram with ElapsedTime in the X-axis and Amplitude for the chosen frequencies in the Y-axis, the table must be sorted on Markers.

Mark all values, right clich somewhere in the namelist for the columns. Choose Sorting Options.

Sort on Data (= Markers)

ł	Sorting Option	ns ? X
	Sort columns	Together 🔻
	Order	Ascending -
	Leading column	Data 🔻
	<u>S</u> ort	Close

The table will now show the values for marker 0 in the first rows and then follow the values for Marker 1, etc.

The table contains columns for ElapsedTime, Marker, Frequency and Amplitude)

To make a diagramme the table has to be adjusted.

It is easiest to <u>ope a new table</u> with columns for ElapsedTime, Amplitude for the first frequency and Amplitude for the second frequency, etc.

Use Description and Apply to rename the columns:

Mark the first column, rename to ElapsedTime. Mark the second column, rename to 621 kHz (=frequency for the first Marker). Mark the third column, rename to 666 kHz (=frequency for the second Marker). Etc.

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e <u>E</u> dit <u>V</u> iew Scriptir	ng <u>P</u> lot <u>A</u> nalysis	<u>T</u> able <u>W</u> indows <u>H</u> elp				
) 🕒 🛩 🖼	3 🖪 🎒	् 🗐 🥱 🤌 🖿 🛍 🖏	+ Σ Ξ <u>Σ</u>			
Table2 - C:/Perseus/mai	kers log					
Table3						
ElapsedTime[X]	∰621 kHz[Y]	1 666 kHz[Y]		<u>^</u>	Description Type	Formula
				=		Apply
3		-			Name: 666 kHz	
5				•	Comment:	
						•

Then copy values for ElapsedTime, Amplitude for 621 kHz, Amplitude for 666 kHz to the new table.

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		sis <u>T</u> able <u>W</u> indows <u>F</u>							
) 🔍 🖽 🥱 🤗		🔩 🕂 Σ🛛 🖾					
世 # [A] 5.008	0	[Hinuarit]	E1:1-1	Table 3					• ×
10.015	0	621	-89.2	FElapsedTime[X]	[]]621 kHz[Y]	∯666 kHz[Y]	•	Description Type Formula	
15.023	0	621	-88.6	2 10.015	-88.8	-109.3			_
20.03	0	621	-88.4	3 15.023	-88.6	-107		Apply_	
25.038	0	621	-88.1	4 20.03	-88.4	-103.4		Name: 666 kHz	
30.046	0	621	-88.2	5 25.038	-88.1	-103.1			
35.053	0	621	-88.2	6 30.046	-88.2	-104		Comment:	
40.061	0	621	-88.3	7 35.053	-88.2	-102.5	E		
45.069	0	621	-88.5	8 40.061	-88.3	-103.8			
0 50.076	0	621	-89.1	9 45.069	-88.5	-105.8			
1 55.084	0	621	-89.6	10 50.076	-89.1	-102			
2 60.092	0	621	-90.3	11 55.084	-89.6	-104			
12 65.099	0	621	-91.6	12 60.092	-90.3	-104.7			
4 70.107	0	621	-92.2	13 65.099	-91.6	-105.3			
5 75.114	0	621	-93.4	14 70.107	-92.2	-102.9			
6 80.122	0	621	-94.3	15 75.114	-93.4	-105.2			
17 85.13	0	621	-94.6	16 80.122	-94.3	-101.3			
8 90.137	0	621	-95	17 85.13	-94.6	-107.2			
9 5.008	1	665.922	-109.3	18 90.137	-95	-105.9			
0 10.015	1	665.922	-107	19		-104.7			
1 15.023	1	665.922	-107		1	-	L		
2 20.03	1	665.922	-103.1			_			
3 25.038	1	665.922	-104						
24 30.046	1	665.922	-102.5						
5 35.053	1	665.922	-102.5			2 2			
26 40.061	1	665.922	-105.8						
7 45.069	1	665.922	-105.8						
8 50.076	1	665.922	-102						
9 55.084	1	665.922	-104.7			20 2			
60.092	1	665.922	-105.3						
1 65.099	1	665.922	-103.9						
2 70.107	1	665.922	-105.2						
3 75.114	1	665.922	-101.3			<u>.</u>			
4 80.122	1	665.922	-107.2						
5 85.13	1	665.922	-105.9						
6 90.137	1	665.922	-105.9						
6 90.137	1	005.922	-104.7						

The adjusted and final table for the diagram looks like this:

			τα 💼 🖻 📑 τη ΣΙ Σ	
Table3	[]621 kHz[Y]	₽ 666 kHz[Y]	•	Description Type Formula
2 10.015	-88.8	-109.3		
3 15.023	-88.6	-107		
4 20.03	-88.4	-103.4		Name: 666 kHz
5 25.038	-88.1	-103.1		
6 30.046	-88.2	-104		Comment:
7 35.053	-88.2	-102.5	=	
8 40.061	-88.3	-103.8		
9 45.069	-88.5	-105.8		
10 50.076	-89.1	-102		
11 55.084	-89.6	-104		
12 60.092	-90.3	-104.7		
13 65.099	-91.6	-105.3		
14 70.107	-92.2	-102.9		
15 75.114	-93.4	-105.2		
16 80.122	-94.3	-101.3		
17 85.13	-94.6	-107.2		
18 90.137	-95	-105.9		
19		-104.7		

Mark the data to be shown in the diagram.

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File Edit View Script			
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Table3			
ElapsedTime[X]	100 [100 [100 [100 [100 [100 [100 [100	100 666 kHz[Y]	Description Type Formula
2 10.015	-88.8	-109.3	
3 15.023	-88.6	-107	
20.03	-88.4	-103.4	Name: 666 kHz
25.038	-88.1	-103.1	
30.046	-88.2	-104	Comment:
35.053	-88.2	-102.5	=
40.061	-88.3	-103.8	
45.069	-88.5	-105.8	
0 50.076	-89.1	-102	
1 55.084	-89.6	-104	
2 60.092	-90.3	-104.7	
3 65.099	-91.6	-105.3	
4 70.107	-92.2	-102.9	
5 75.114	-93.4	-105.2	
6 80.122	-94.3	-101.3	
7 85.13	-94.6	-107.2	
8 90.137	-95	-105.9	
19		-104.7	
			· · · · · · · · · · · · · · · · · · ·

Choose Plot, Linje. The final diagram looks like this.

