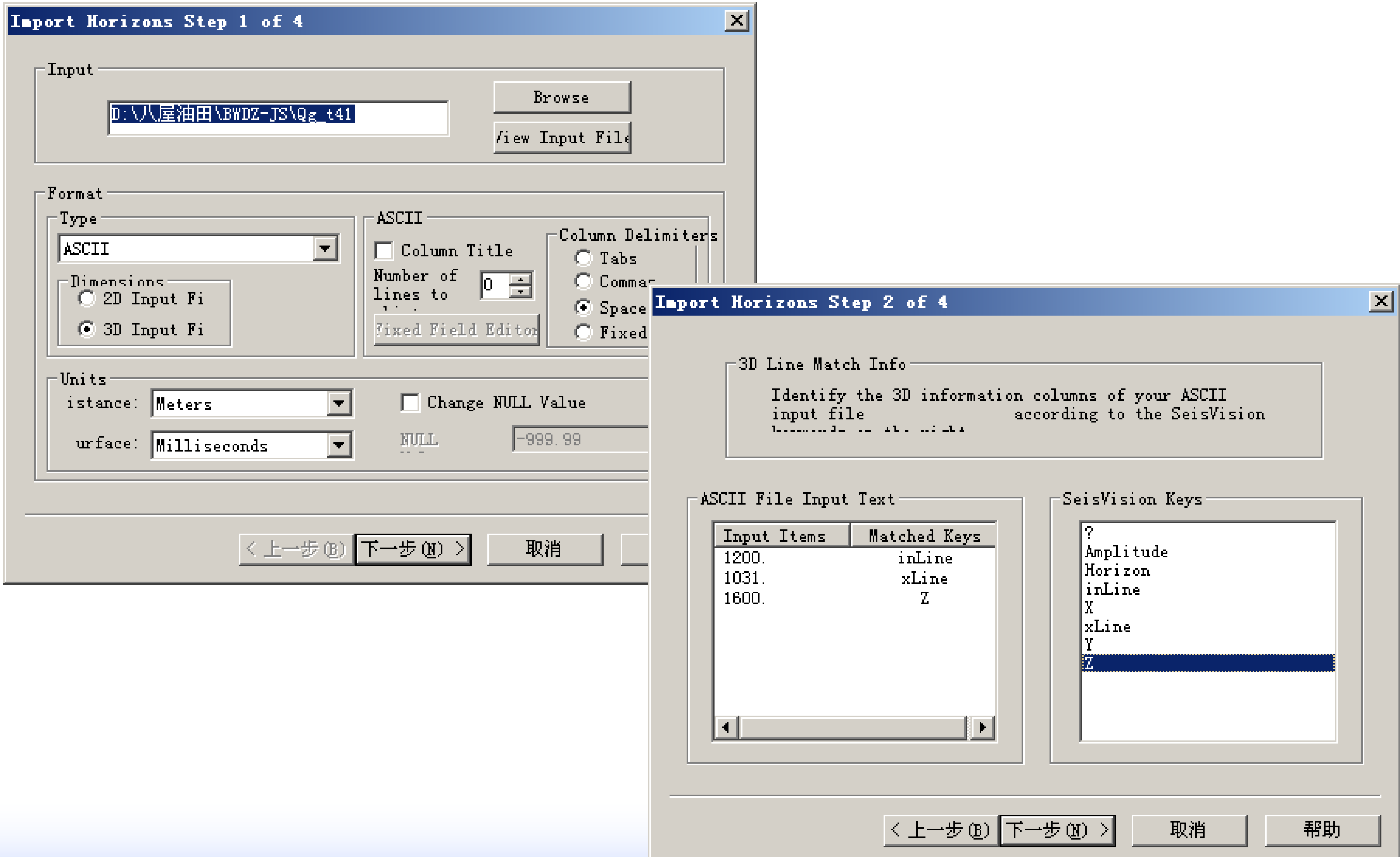
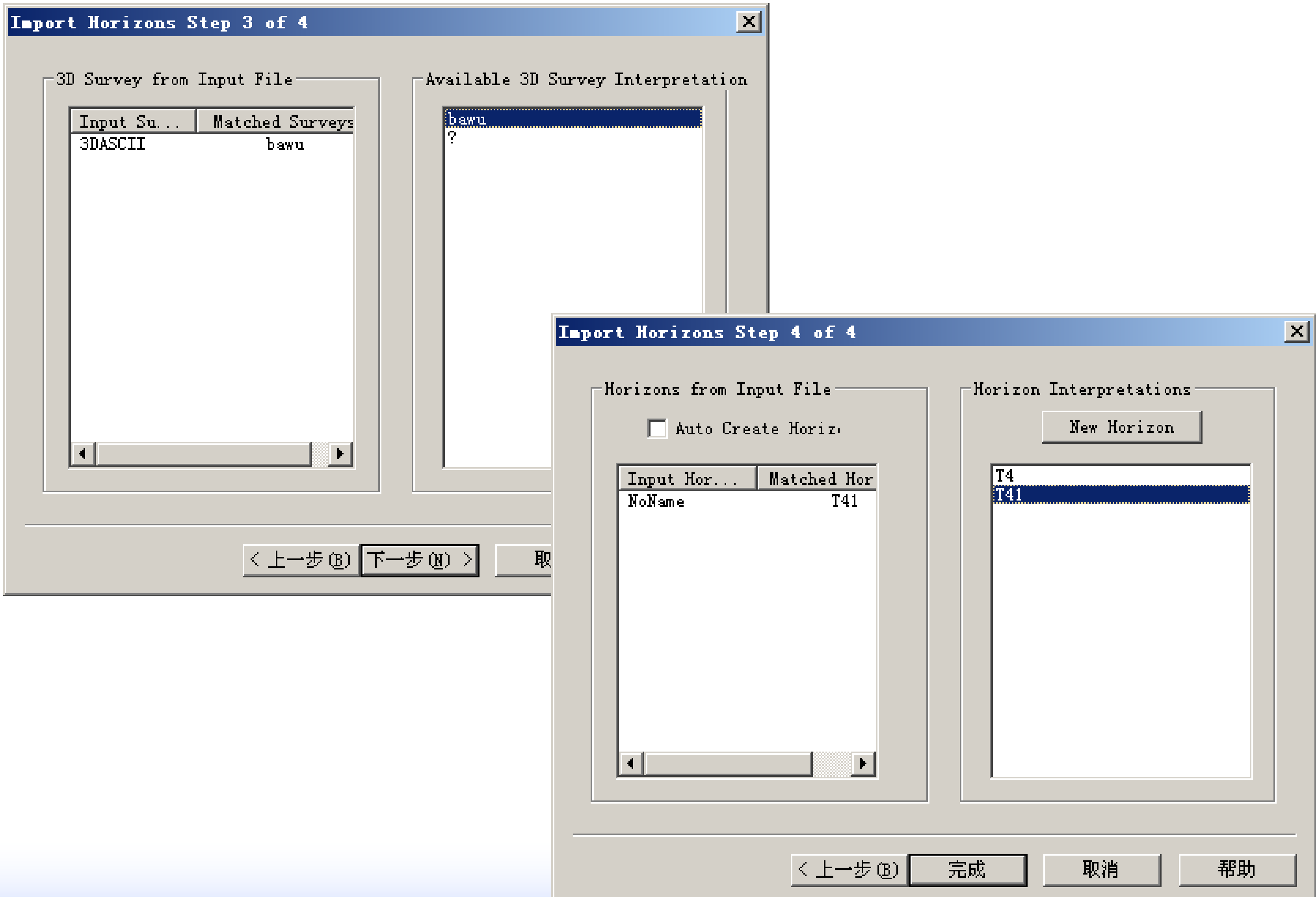
DISCOVERY中地震层位和断层数据的导入导出方法

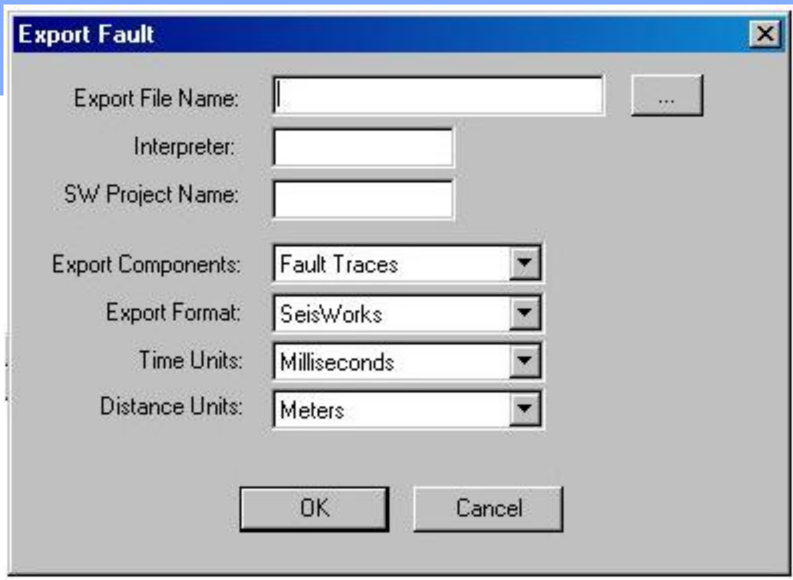
2014年1月24日

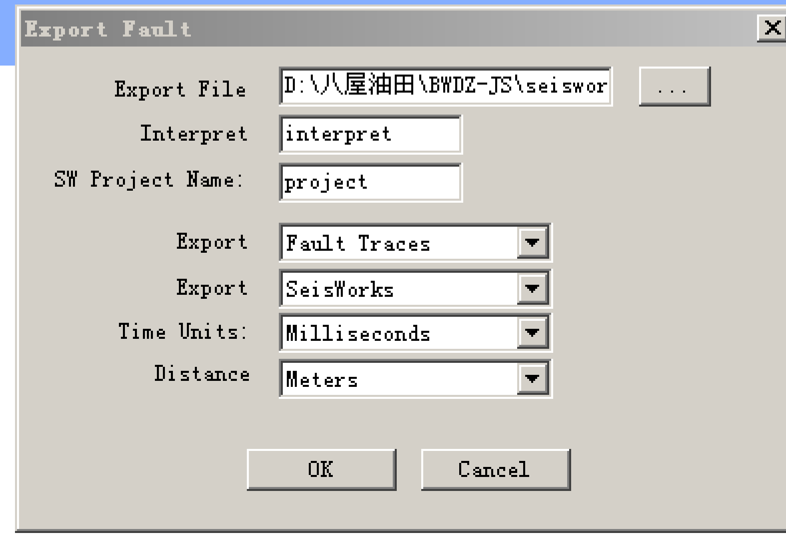
层位数据的导出与导入


Import Horizons Step 1 of 4
Input
D:\八屋油田\BWDZ-JS\Qg_t41
Browse
View Input File
Format
Type
ASCII
Dimensions
2D Input Fi
3D Input Fi
ASCII
Column Title
Number of lines to
0
Fixed Field Editor
Column Delimiters
Tabs
Commas
Space
Fixed
Units
istance:
Meters
urface:
Milliseconds
Change NULL Value
NULL
-999.99
< 上一步(B)
下一步(N) >
取消
Import Horizons Step 2 of 4
3D Line Match Info
Identify the 3D information columns of your ASCII input file according to the SeisVision
ASCII File Input Text
Input Items
Matched Keys
1200.
inLine
1031.
xLine
1600.
Z
SeisVision Keys
?
Amplitude
Horizon
inLine
X
xLine
Y
Z
< 上一步(B)
下一步(N) >
取消
帮助

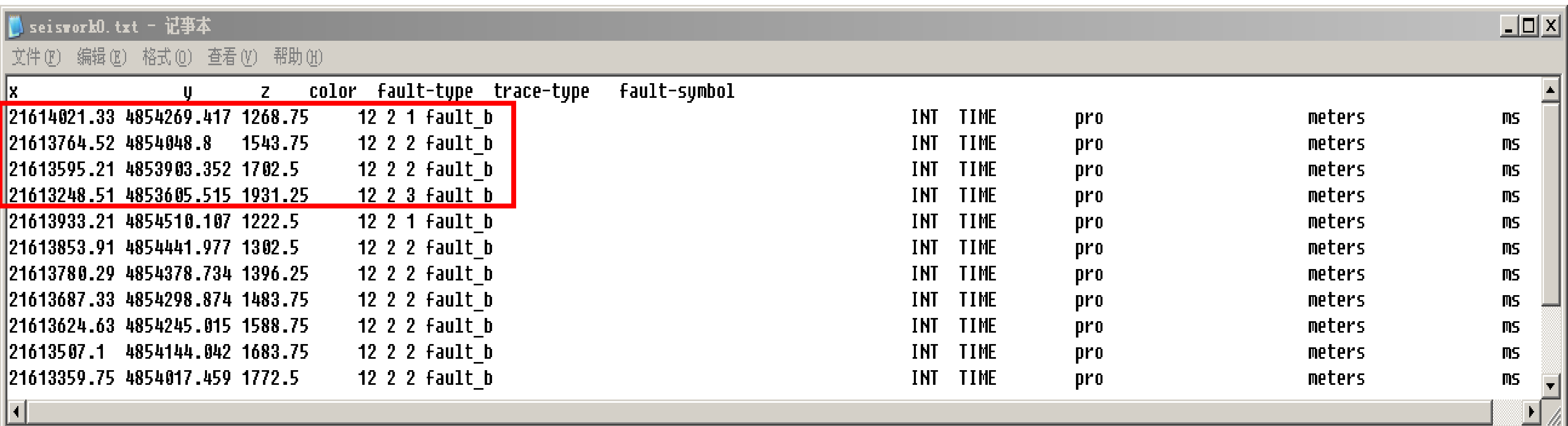

Import Horizons Step 3 of 4
3D Survey from Input File
Input Su...
Matched Surveys
3DASCII
bawu
Available 3D Survey Interpretation
bawu
?
< 上一步(B)
下一步(N) >
取
Import Horizons Step 4 of 4
Horizons from Input File
Auto Create Horiz
Input Hor...
Matched Hor
NoName
T41
Horizon Interpretations
New Horizon
T4
T41
< 上一步(B)
完成
取消
帮助

断层数据的导出与导入





*输出的Seiswork格式，可以按**Generic Spreadsheets**格式导入。*



x	y	z	color	fault-type	trace-type	fault-symbol					
21614021.33	4854269.417	1268.75	12	2	1	fault_b	INT	TIME	pro	meters	ms
21613764.52	4854048.8	1543.75	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613595.21	4853903.352	1702.5	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613248.51	4853605.515	1931.25	12	2	3	fault_b	INT	TIME	pro	meters	ms
21613933.21	4854510.107	1222.5	12	2	1	fault_b	INT	TIME	pro	meters	ms
21613853.91	4854441.977	1302.5	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613780.29	4854378.734	1396.25	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613687.33	4854298.874	1483.75	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613624.63	4854245.015	1588.75	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613507.1	4854144.042	1683.75	12	2	2	fault_b	INT	TIME	pro	meters	ms
21613359.75	4854017.459	1772.5	12	2	2	fault_b	INT	TIME	pro	meters	ms

*The format of the import file. The current release supports importing faults in the SeisWorks (the default) and GeoQuest Card 7 formats, as well as **Generic Spreadsheets**. If Generic Spreadsheet is chosen, the ASCII Load Wizard (faults) appears after the Import Fault page is completed and OK is clicked.*

Note: *Importing fault traces using the generic spreadsheet can sometimes lead to confusion. Save the spreadsheet as a *.csv file. You must map at least the following fields: X, Y, Time, Trace Type and Fault Symbol. The fault traces should be imported correctly by mapping that minimal data.*

Seiswork*格式可以直接导入。*

*应用通用格式（**Generic Spreadsheets格式**）导入，至少设置X、Y、TIME、TRACE TYPE、FAULT SYMPOL五个字段，*

TRACE TYPE：断层线上点的类型，用1、2、3表示，代表单条FAULT TRACE的起点、中间点和末点。1、3各只有一个，2可以有0个或很多个。

FAULT SYMPOL：断层符号即断层名称，在SEISVISION中不同的断层一般具有不同的名字。加载断层时，按FAULT SYMPOL对FAULT TRACE进行归属，同一FAULT SYMPOL的FAULT TRACE都加到同一断层中。

如果断层名称字段好用，各断层名称唯一，或大致唯一：

1、对给的数据进行处理，整理好X、Y、TIME、TRACE TYPE 、FAULT SYMPOL这5个字段。

2 、用通用格式（**Generic Spreadsheets格式）进行导入，不同的**FAULT SYMPOL下的FAULT TRACE都导入一个断层中。

如果断层名称不存在，就加一个断层名称。

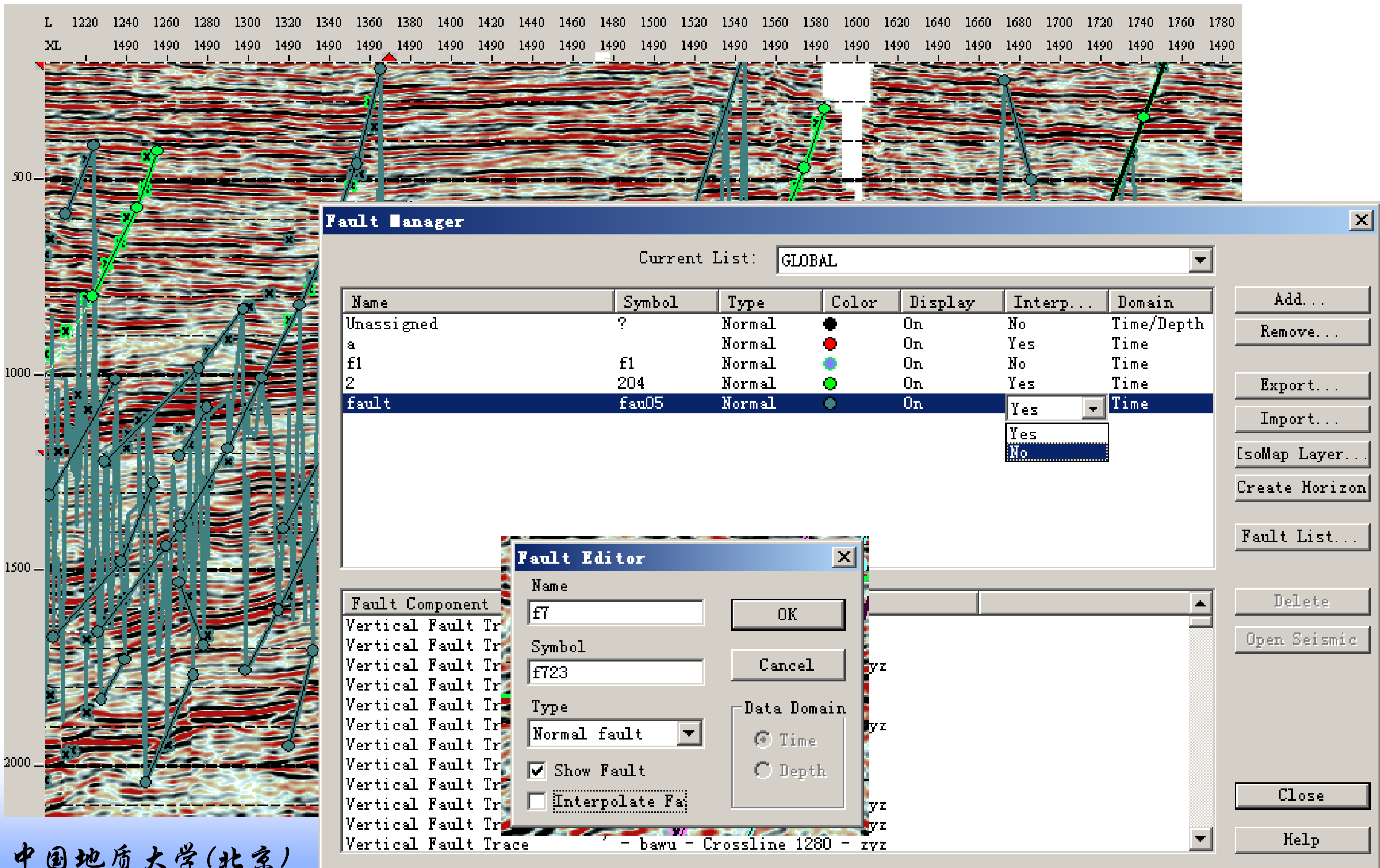
如果名称不唯一的断层太多，就会导致不同的断层线加到了同一个断层中，在地震剖面上相互连接起来，显的很乱。断层多的话，修改起来费事，可以重新加一个断层名称，直接就按一条断层加入更方便。

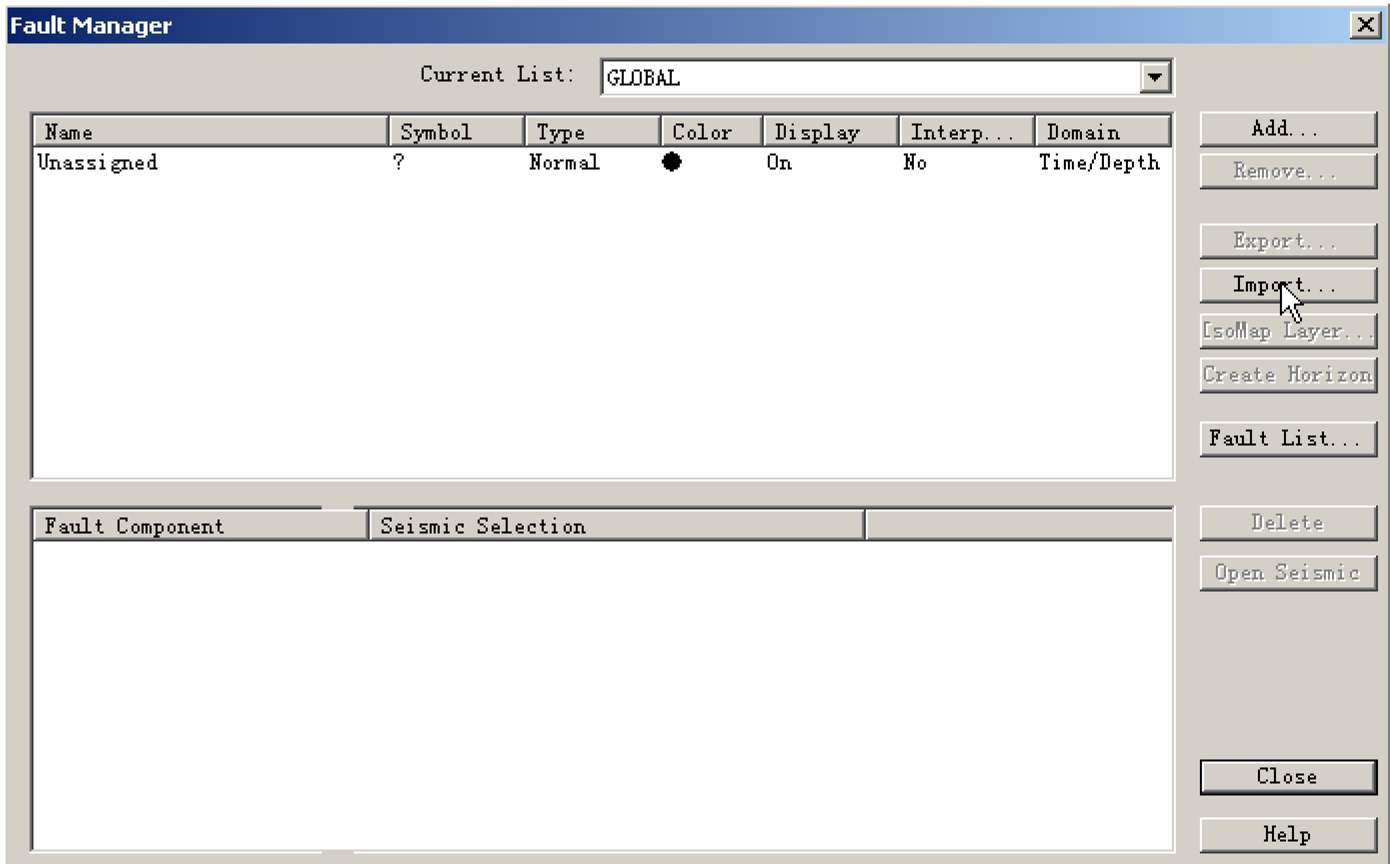
1、对给的数据进行处理，整理好X、Y、TIME、TRACE TYPE 这4个字段，再另外增加一个统一的断层名称（FAULT SYMPOL）。

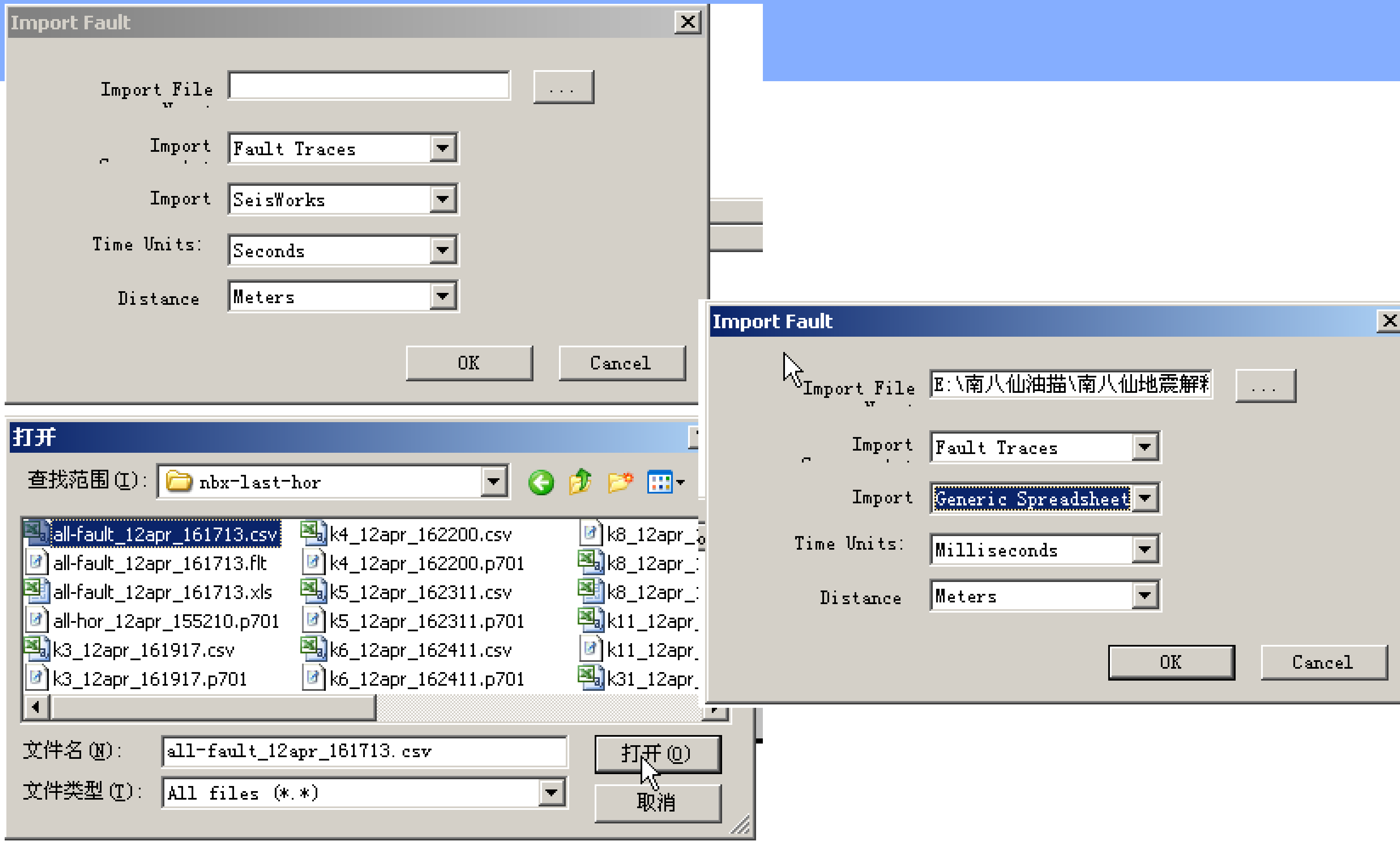
2 、用通用格式（**Generic Spreadsheets格式）进行导入，所有的断层线** （FAULT TRACE）都导入一个断层中。

3、加载完成后，在SEISVISION中把该断层的INTERPRET 改为no,使断层线之间不自动相连。

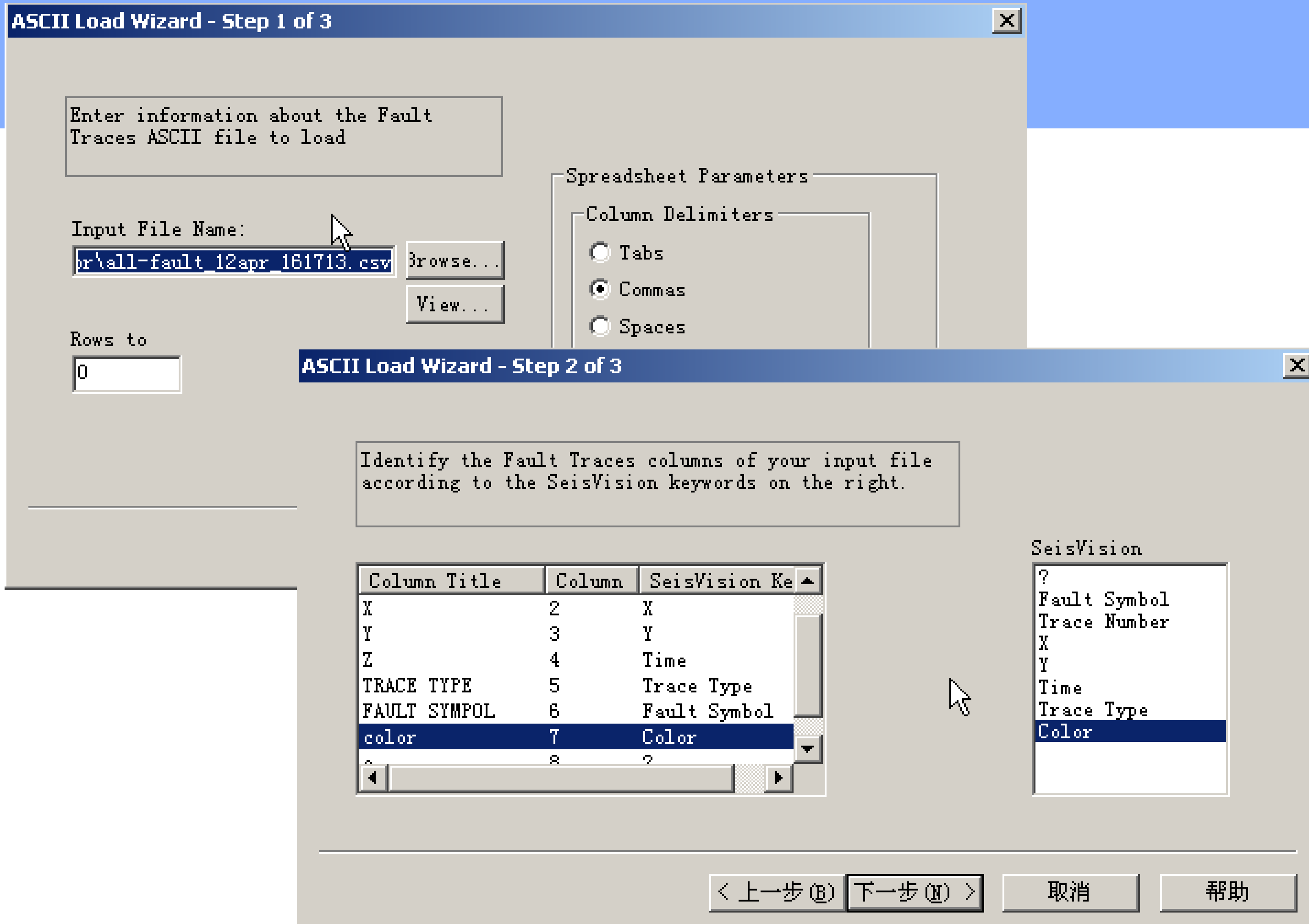
如果断层名称不存在或着不唯一，就会导致不同的断层加成了同一个断层，而相互连接起来，显的很乱。解决方法：把该断层的INTERPRET 改为no,使断层线之间不自动相连。



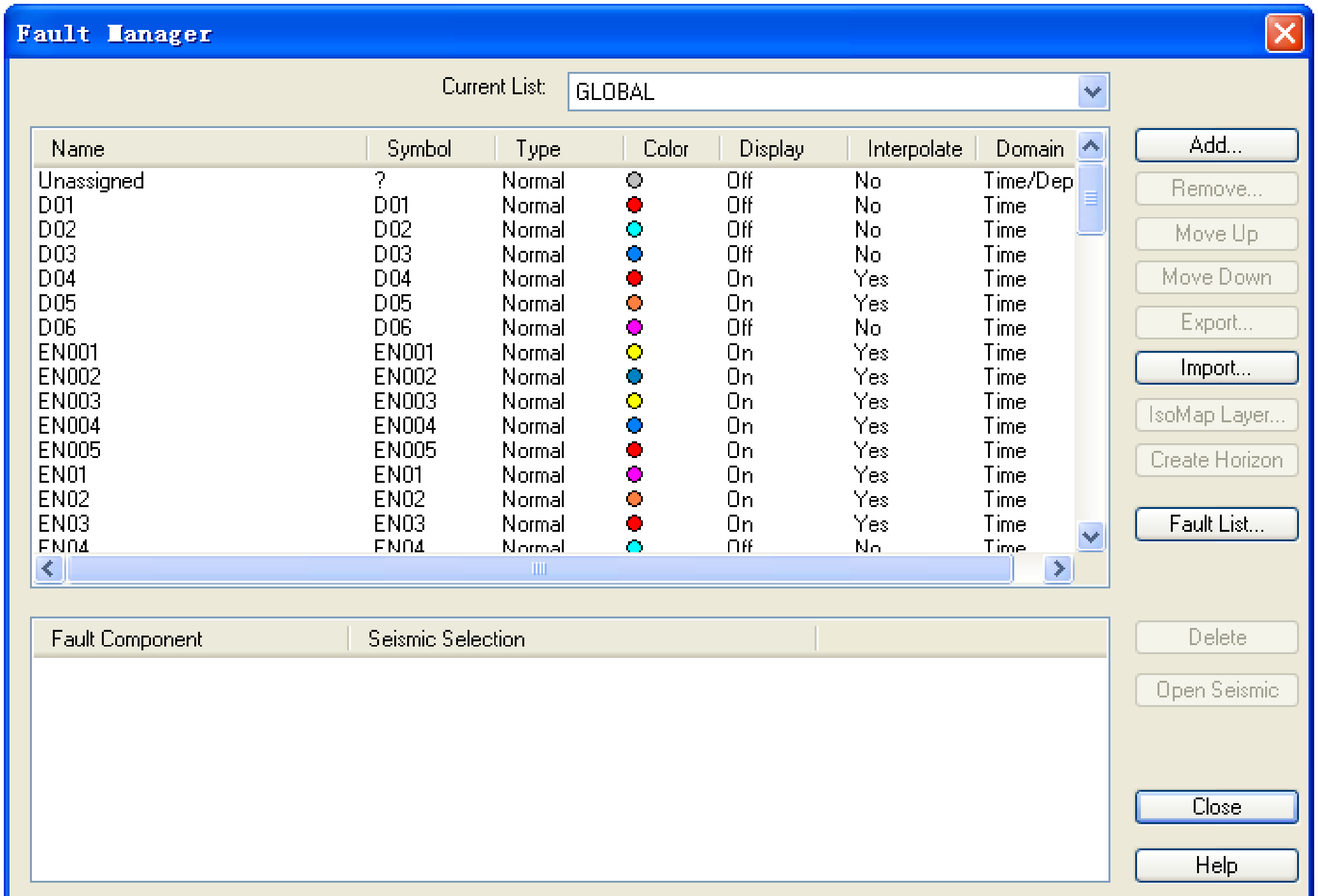

Fault Manager
Current List:
GLOBAL
Name
Symbol
Type
Color
Display
Interp...
Domain
Unassigned
?
Normal
On
No
Time/Depth
Add...
Remove...
Export...
Import...
IsoMap Layer...
Create Horizon
Fault List...
Fault Component
Seismic Selection
Delete
Open Seismic
Close
Help

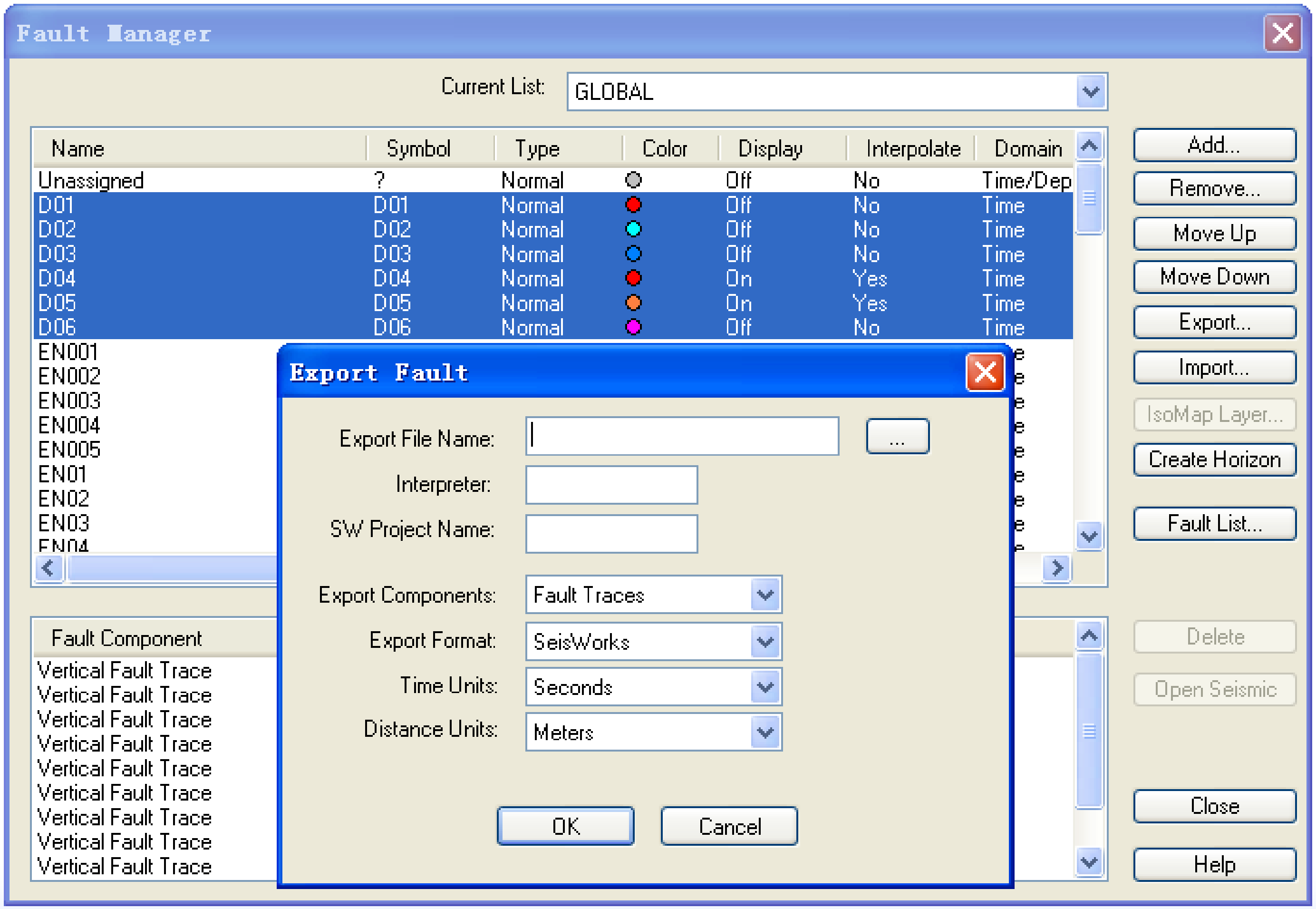


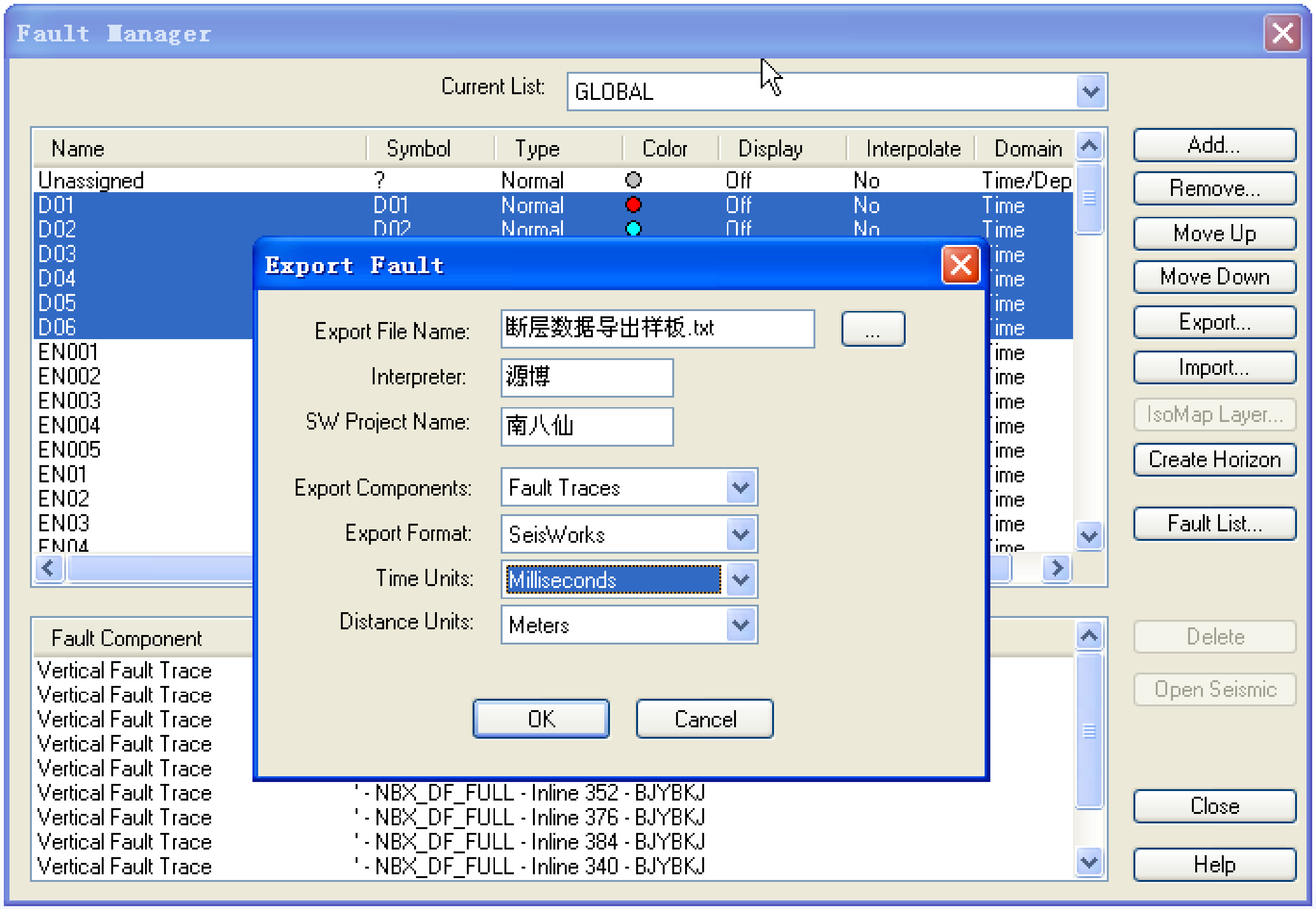
Import Fault
Import File
Import
Fault Traces
Import
SeisWorks
Time Units:
Seconds
Distance
Meters
OK
Cancel
打开
查找范围(I):
nbx-last-hor
all-fault_12apr_161713.csv
all-fault_12apr_161713.flt
all-fault_12apr_161713.xls
all-hor_12apr_155210.p701
k3_12apr_161917.csv
k3_12apr_161917.p701
k4_12apr_162200.csv
k4_12apr_162200.p701
k5_12apr_162311.csv
k5_12apr_162311.p701
k6_12apr_162411.csv
k6_12apr_162411.p701
文件名(N):
all-fault_12apr_161713.csv
文件类型(T):
All files (*.*)
打开(O)
取消
Import Fault
Import File
E:\南八仙油描\南八仙地震解释
Import
Fault Traces
Import
Generic Spreadsheet
Time Units:
Milliseconds
Distance
Meters
OK
Cancel


ASCII Load Wizard - Step 1 of 3
Enter information about the Fault Traces ASCII file to load
Input File Name:
r\all-fault_12apr_161713.csv
Browse...
View...
Rows to
0
Spreadsheet Parameters
Column Delimiters
Tabs
Commas
Spaces
ASCII Load Wizard - Step 2 of 3
Identify the Fault Traces columns of your input file according to the SeisVision keywords on the right.
Column Title
Column
SeisVision Ke
X 2 X
Y 3 Y
Z 4 Time
TRACE TYPE 5 Trace Type
FAULT SYMPOL 6 Fault Symbol
color 7 Color
SeisVision
?
Fault Symbol
Trace Number
X
Y
Time
Trace Type
Color
< 上一步(B)
下一步(N) >
取消
帮助

断层数据导出


Fault Manager
Current List: GLOBAL
Name Symbol Type Color Display Interpolate Domain
Unassigned ? Normal Off No Time/Dep
D01 D01 Normal Off No Time
D02 D02 Normal Off No Time
D03 D03 Normal Off No Time
D04 D04 Normal On Yes Time
D05 D05 Normal On Yes Time
D06 D06 Normal Off No Time
EN001 EN001 Normal On Yes Time
EN002 EN002 Normal On Yes Time
EN003 EN003 Normal On Yes Time
EN004 EN004 Normal On Yes Time
EN005 EN005 Normal On Yes Time
EN01 EN01 Normal On Yes Time
EN02 EN02 Normal On Yes Time
EN03 EN03 Normal On Yes Time
Add...
Remove...
Move Up
Move Down
Export...
Import...
IsoMap Layer...
Create Horizon
Fault List...
Fault Component
Seismic Selection
Delete
Open Seismic
Close
Help


Fault Manager
Current List:
GLOBAL
Name
Symbol
Type
Color
Display
Interpolate
Domain
Unassigned ? Normal Off No Time/Dep
D01 D01 Normal Off No Time
D02 D02 Normal Off No Time
D03 D03 Normal Off No Time
D04 D04 Normal On Yes Time
D05 D05 Normal On Yes Time
D06 D06 Normal Off No Time
EN001
EN002
EN003
EN004
EN005
EN01
EN02
EN03
Add...
Remove...
Move Up
Move Down
Export...
Import...
IsoMap Layer...
Create Horizon
Fault List...
Fault Component
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Vertical Fault Trace
Delete
Open Seismic
Close
Help
Export Fault
Export File Name:
...
Interpreter:
SW Project Name:
Export Components:
Fault Traces
Export Format:
SeisWorks
Time Units:
Seconds
Distance Units:
Meters
OK
Cancel


Fault Manager
Current List:
GLOBAL
Name
Symbol
Type
Color
Display
Interpolate
Domain
Unassigned ? Normal Off No Time/Dep
D01 D01 Normal Off No Time
D02 D02 Normal Off No Time
D03
D04
D05
D06
EN001
EN002
EN003
EN004
EN005
EN01
EN02
EN03
Add...
Remove...
Move Up
Move Down
Export...
Import...
IsoMap Layer...
Create Horizon
Fault List...
Delete
Open Seismic
Close
Help
Fault Component
Vertical Fault Trace
' - NBX_DF_FULL - Inline 352 - BJYBKJ
' - NBX_DF_FULL - Inline 376 - BJYBKJ
' - NBX_DF_FULL - Inline 384 - BJYBKJ
' - NBX_DF_FULL - Inline 340 - BJYBKJ
Export Fault
Export File Name:
断层数据导出样板.txt
Interpreter:
源博
SW Project Name:
南八仙
Export Components:
Fault Traces
Export Format:
SeisWorks
Time Units:
Milliseconds
Distance Units:
Meters
OK
Cancel

前面几个字段的意思：

X、Y、TIME、color、TRACE TYPE 、FAULT SYMPOL(名称)

断层数据导出样板.txt - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

606750.	4199455.3	1094.	8	2	D01	源博	TIME	南八仙	meters	ms
606750.	4199377.75	1209.333	8	2	D01	源博	TIME	南八仙	meters	ms
606750.	4199286.4	1326.	8	2	D01	源博	TIME	南八仙	meters	ms
606750.	4199126.8	1481.333	8	2	D01	源博	TIME	南八仙	meters	ms
606750.	4199024.35	1573.333	8	3	D01	源博	TIME	南八仙	meters	ms
606090.	4199107.75	1534.	8	1	D01	源博	TIME	南八仙	meters	ms
606090.	4199242.75	1449.333	8	2	D01	源博	TIME	南八仙	meters	ms
606090.	4199359.75	1334.	8	2	D01	源博	TIME	南八仙	meters	ms
606090.	4199431.75	1228.	8	2	D01	源博	TIME	南八仙	meters	ms
606090.	4199486.8	1121.333	8	2	D01	源博	TIME	南八仙	meters	ms
606090.	4199587.	908.	8	2	D01	源博	TIME	南八仙	meters	ms
606090.	4199659.9	666.5	8	3	D01	源博	TIME	南八仙	meters	ms
605670.	4199129.2	1492.	8	1	D01	源博	TIME	南八仙	meters	ms
605670.	4199215.6	1386.	8	2	D01	源博	TIME	南八仙	meters	ms
605670.	4199337.85	1230.667	8	2	D01	源博	TIME	南八仙	meters	ms
605670.	4199449.6	1070.667	8	3	D01	源博	TIME	南八仙	meters	ms
605550.	4199309.2	1194.667	8	1	D01	源博	TIME	南八仙	meters	ms
605550.	4199042.8	1500.	8	3	D01	源博	TIME	南八仙	meters	ms
606510.	4200064.	207.	12	1	D02	源博	TIME	南八仙	meters	ms
606510.	4199888.35	593.	12	2	D02	源博	TIME	南八仙	meters	ms
606510.	4199889.55	597.333	12	2	D02	源博	TIME	南八仙	meters	ms
606510.	4199760.25	840.	12	2	D02	源博	TIME	南八仙	meters	ms
606510.	4199690.5	968.667	12	2	D02	源博	TIME	南八仙	meters	ms
606510.	4199567.8	1161.333	12	3	D02	源博	TIME	南八仙	meters	ms
606750.	4199960.5	342.667	12	1	D02	源博	TIME	南八仙	meters	ms
606750.	4199815.3	664.	12	2	D02	源博	TIME	南八仙	meters	ms
606750.	4199729.8	818.	12	2	D02	源博	TIME	南八仙	meters	ms
606750.	4199674.75	912.667	12	2	D02	源博	TIME	南八仙	meters	ms
606750.	4199507.2	1124.	12	2	D02	源博	TIME	南八仙	meters	ms
606750.	4199363.2	1280.	12	3	D02	源博	TIME	南八仙	meters	ms
606390.	4200110.05	220.	12	1	D02	源博	TIME	南八仙	meters	ms
606390.	4199933.35	578.	12	2	D02	源博	TIME	南八仙	meters	ms
606390.	4199805.25	797.333	12	2	D02	源博	TIME	南八仙	meters	ms
606390.	4199600.5	1148.	12	3	D02	源博	TIME	南八仙	meters	ms
606870.	4199970.55	292.	12	1	D02	源博	TIME	南八仙	meters	ms
606870.	4199875.	500.	12	2	D02	源博	TIME	南八仙	meters	ms
606870.	4199749.	722.	12	2	D02	源博	TIME	南八仙	meters	ms
606870.	4199612.8	958.667	12	2	D02	源博	TIME	南八仙	meters	ms
606870.	4199485.6	1122.	12	2	D02	源博	TIME	南八仙	meters	ms