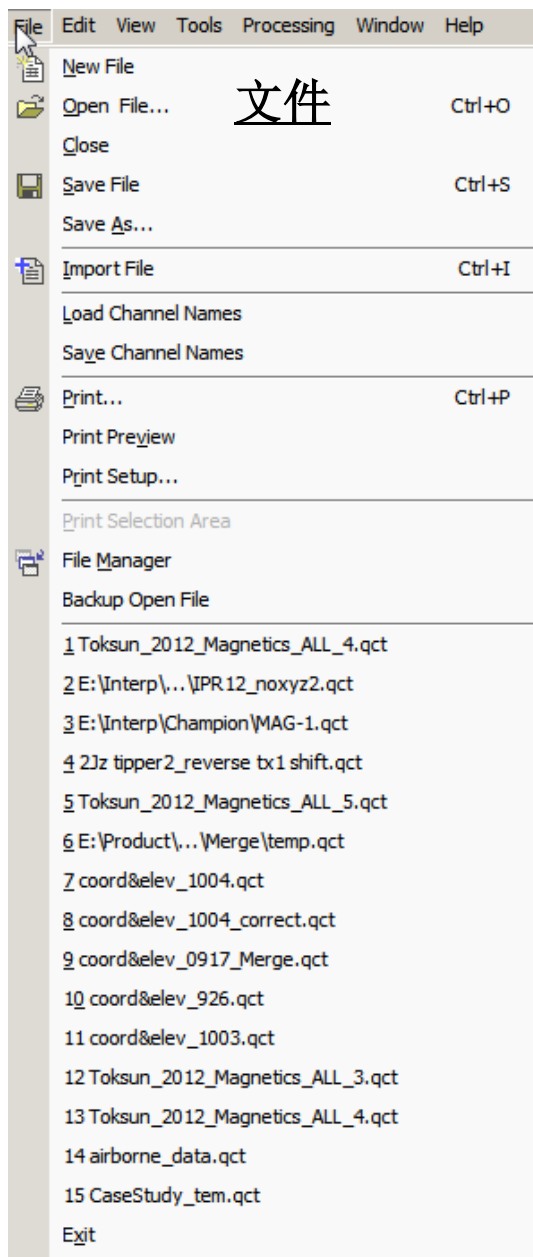
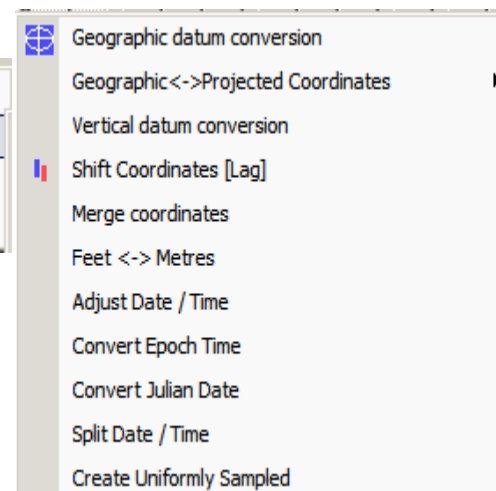
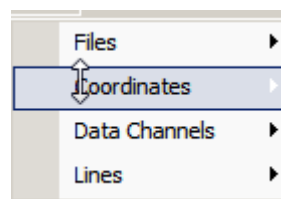
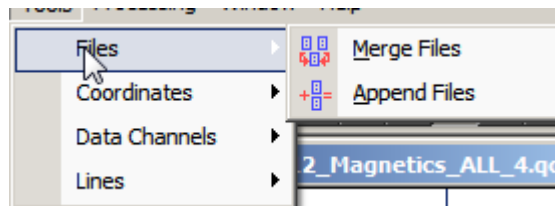


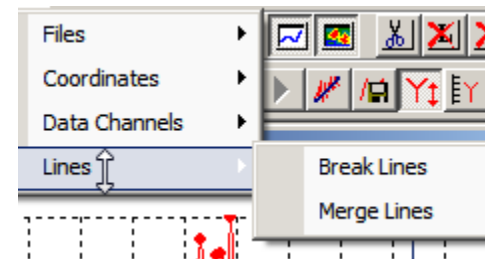
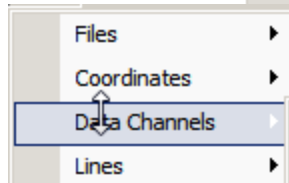
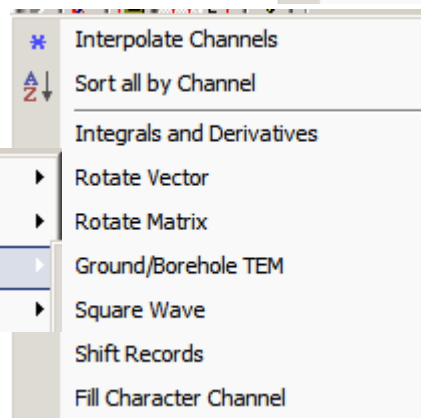
QCTool 概述



工具



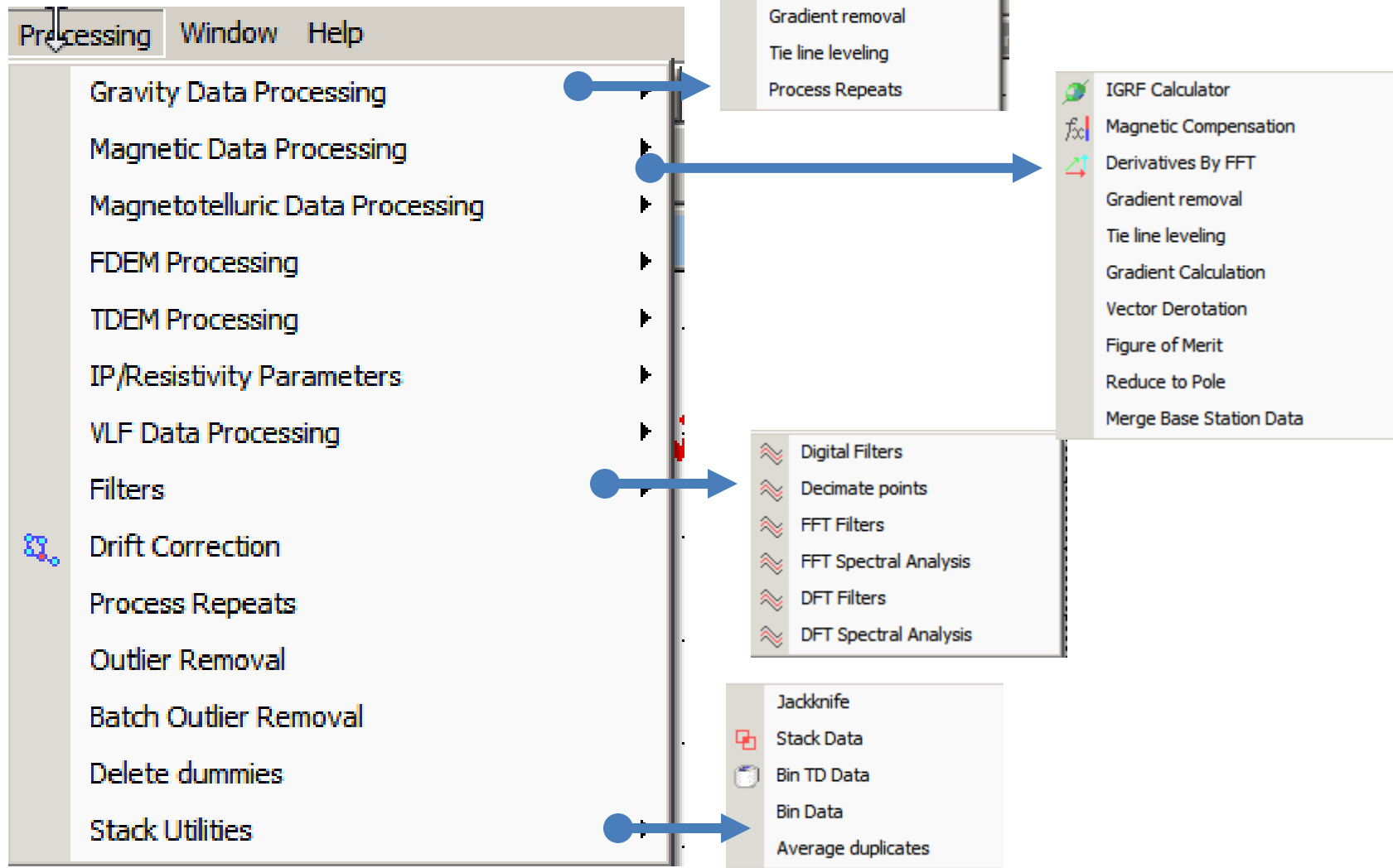
文件、坐标、数据通道、线



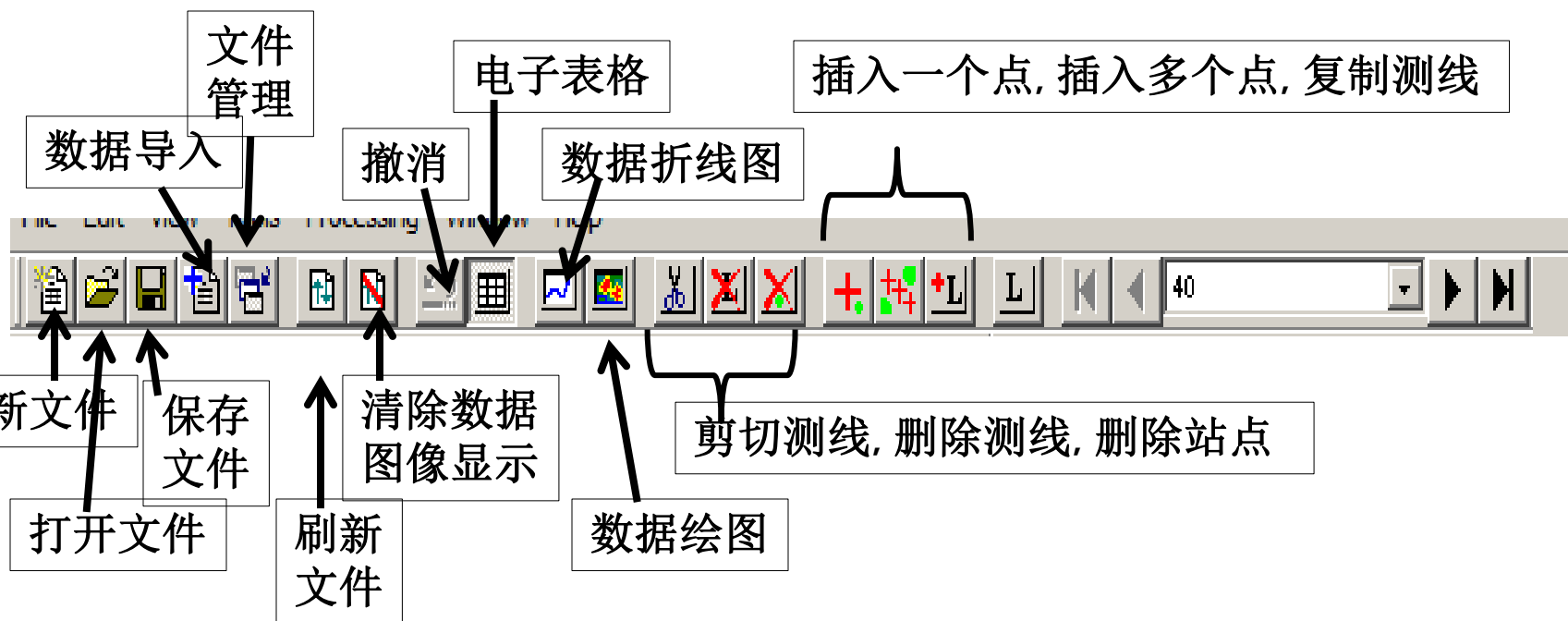
QCTool 概述



数据处理



QCTool 概述



QCTool 概览

第一条线, 前一条, 下一条, 最后一条线

Line Info

List of Lines(Spreadsheets):

Index	Line	# Points
1	40	114
2	41	117
3	42	119
4	43	121
5	44	120
6	45	117
7	46	119
8	47	118
9	48	119

48

Set Name

Sort Lines

Set Names

Total Number of Lines: 9

Total Number of Points: 1069

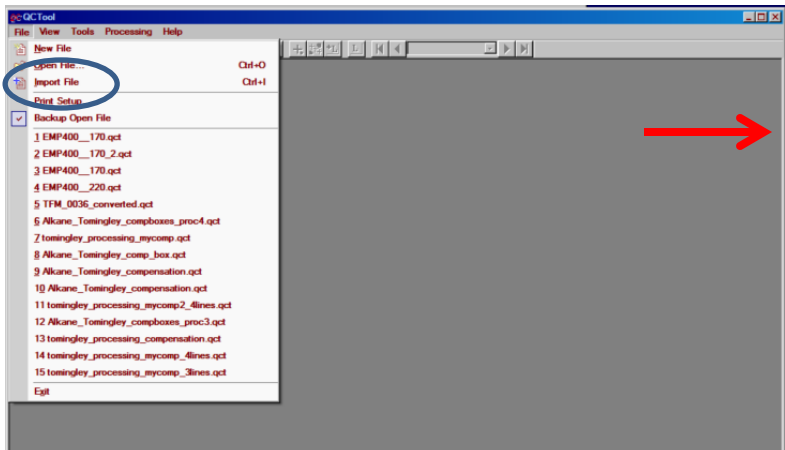
Double click on Line Label in the Line List to Delete/Restore a line or use filter below

Delete one in 0 lines Apply

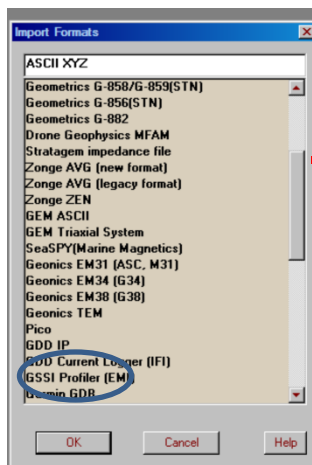
Delete/Restore Selected Lines

OK

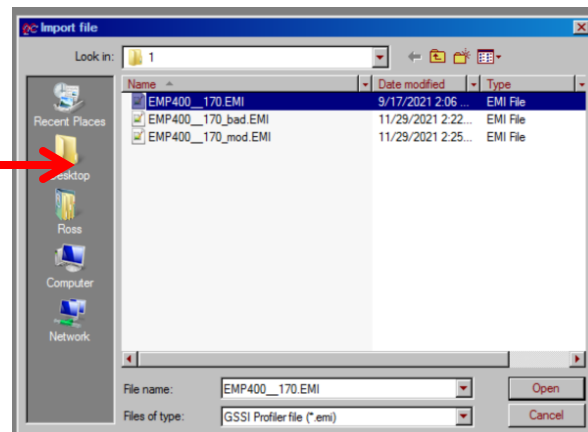
导入数据



选择数据列名称行和数据通道格式

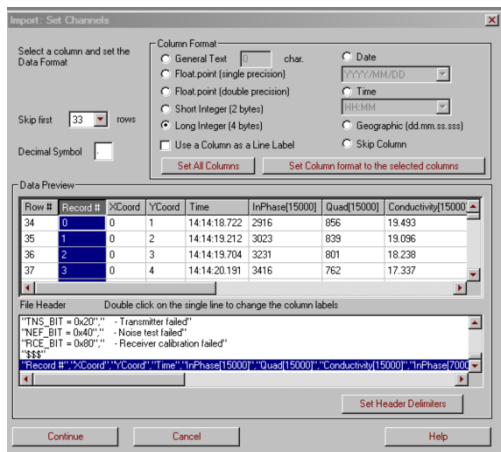


选择数据格式

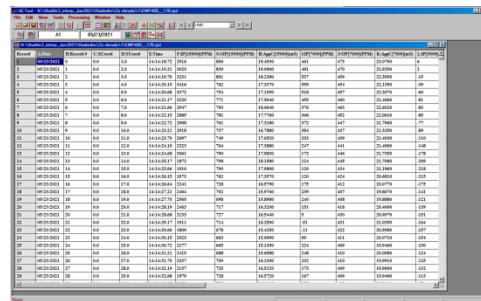


选择文件

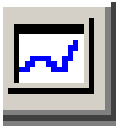
选择标题行并检查通道格式



导入数据，生成 .qct 文件

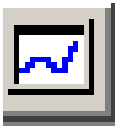


绘制数据折线图

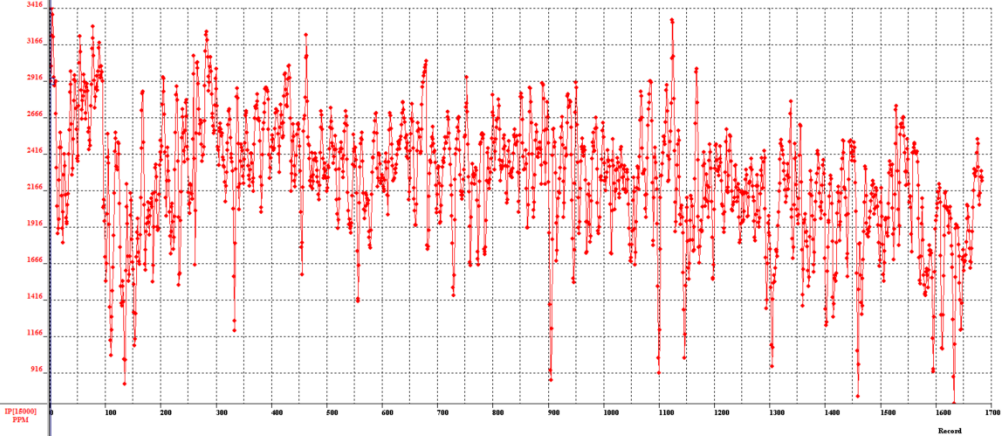


Record	A:Date	B:Record #	C:XCoord	D:YCoord	E:Time	F:IP[15000](PPM)	G:OP[15000](PPM)	H:AppC[15000](mS)	I:IP[7000](PPM)	J:OP[7000](PPM)	K:AppC[7000](mS)	L:IP[3000](PPM)	M:OP[3000](PPM)	N:AppC[3000](mS)
1	05/23/2021	0	0.0	1.0	14:14:18.72	2916	856	19.4930	461	473	23.0790	6	229	26.0900
2	05/23/2021	1	0.0	2.0	14:14:19.21	3023	839	19.0960	481	470	22.9290	2	223	25.3710
3	05/23/2021	2	0.0	3.0	14:14:19.70	3231	801	18.2380	537	459	22.3950	-15	213	24.2660
4	05/23/2021	3	0.0	4.0	14:14:20.19	3416	762	17.3370	559	454	22.1390	-39	201	22.9110
5	05/23/2021	4	0.0	5.0	14:14:20.68	3372	754	17.1590	518	457	22.3070	-60	197	22.4690
6	05/23/2021	5	0.0	6.0	14:14:21.17	3220	771	17.5640	485	460	22.4660	-81	198	22.5660
7	05/23/2021	6	0.0	7.0	14:14:21.66	2947	793	18.0640	376	463	22.6020	-83	200	22.8170
8	05/23/2021	7	0.0	8.0	14:14:22.15	2885	781	17.7760	366	452	22.0610	-85	198	22.5720
9	05/23/2021	8	0.0	9.0	14:14:22.72	2908	761	17.3180	372	447	21.7960	-77	191	21.7970
10	05/23/2021	9	0.0	10.0	14:14:23.21	2918	737	16.7880	384	437	21.3250	-89	187	21.2880
11	05/23/2021	10	0.0	11.0	14:14:23.70	2697	749	17.0520	333	439	21.4030	-110	188	21.4490
12	05/23/2021	11	0.0	12.0	14:14:24.19	2323	764	17.3880	247	441	21.4960	-148	195	22.2270
13	05/23/2021	12	0.0	13.0	14:14:24.68	2061	790	17.9830	173	446	21.7350	-178	198	22.5780
14	05/23/2021	13	0.0	14.0	14:14:25.17	1872	798	18.1580	124	445	21.7080	-209	196	22.3080
15	05/23/2021	14	0.0	15.0	14:14:25.66	1910	790	17.9800	120	434	21.1860	-218	185	21.0490
16	05/23/2021	15	0.0	16.0	14:14:26.15	1973	762	17.3570	120	424	20.6810	-215	176	19.9850
17	05/23/2021	16	0.0	17.0	14:14:26.64	2241	728	16.5790	175	412	20.0770	-175	169	19.2210
18	05/23/2021	17	0.0	18.0	14:14:27.21	2464	702	15.9760	239	407	19.8670	-141	171	19.4800
19	05/23/2021	18	0.0	19.0	14:14:27.70	2800	698	15.8980	240	408	19.8880	-121	175	19.9350
20	05/23/2021	19	0.0	20.0	14:14:28.19	2916	698	16.3200	151	418	20.4000	-139	178	20.2640

单击鼠标右键



- Plot Channel
- Hide plotted channel
- Delete channel from plot
- Dynamic plot
- Map Channel
- Insert Channel
- Duplicate Channel
- Delete Channel
- Insert a Line Channel
- Statistics
- Processing
- Column Properties
- Adjust Date/Time

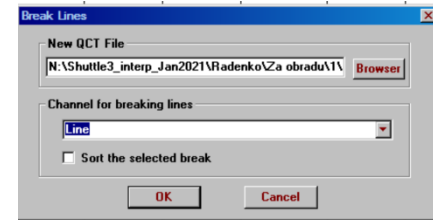
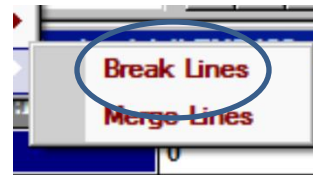
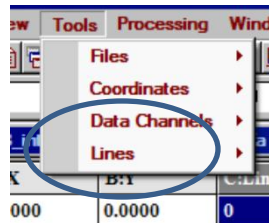


可绘制多通道的折线图

将每条线拆分到它们自己的电子表格

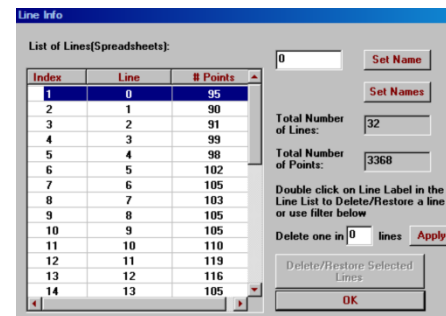
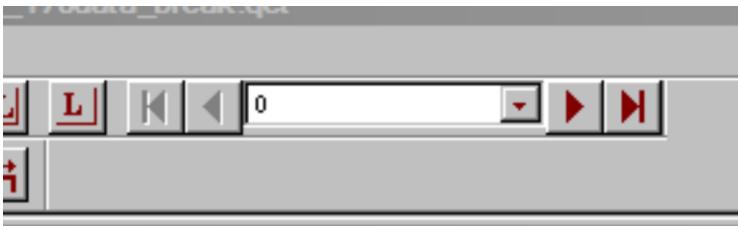
Record	A:X	B:Y	C:Line	D:Station	E:XCoord	F:YCoord	G:IP[15000]	H:OP[15000]	I:Cond[15000]	J:IP[7000]	K:OP[7000]	L:Cond[7000]	M:IP[3000]	N:OP[3000]	O:Cond[3000]	P:TIME	Q:DATE
1	0.0000	0.0000	0	0	0.0000	1.0000	2916.000000	856.0000	19.4930	461.0000	473.0000	23.0790	6.0000	229.0000	26.0900	14:14:18.72	05/23/21
2	0.0000	0.2130	0	1	0.0000	2.0000	3023.000000	839.0000	19.0960	481.0000	470.0000	22.9290	2.0000	223.0000	25.3710	14:14:19.21	05/23/21
3	0.0000	0.4260	0	2	0.0000	3.0000	3231.000000	801.0000	18.2380	537.0000	459.0000	22.3950	-15.0000	213.0000	24.2660	14:14:19.70	05/23/21
4	0.0000	0.6380	0	3	0.0000	4.0000	3416.000000	762.0000	17.3370	559.0000	454.0000	22.1390	-39.0000	201.0000	22.9110	14:14:20.19	05/23/21
5	0.0000	0.8510	0	4	0.0000	5.0000	3372.000000	754.0000	17.1590	518.0000	457.0000	22.3070	-60.0000	197.0000	22.4690	14:14:20.68	05/23/21
6	0.0000	1.0640	0	5	0.0000	6.0000	3220.000000	771.0000	17.5640	455.0000	460.0000	22.4660	-81.0000	198.0000	22.5660	14:14:21.17	05/23/21
7	0.0000	1.2770	0	6	0.0000	7.0000	2947.000000	793.0000	18.0640	376.0000	463.0000	22.6020	-83.0000	200.0000	22.8170	14:14:21.66	05/23/21
8	0.0000	1.4890	0	7	0.0000	8.0000	2885.000000	781.0000	17.7760	366.0000	452.0000	22.0610	-85.0000	198.0000	22.5720	14:14:22.15	05/23/21
9	0.0000	1.7020	0	8	0.0000	9.0000	2908.000000	761.0000	17.3180	372.0000	447.0000	21.7960	-77.0000	191.0000	21.7970	14:14:22.72	05/23/21
10	0.0000	1.9150	0	9	0.0000	10.0000	2918.000000	737.0000	16.7880	384.0000	437.0000	21.3250	-89.0000	187.0000	21.2880	14:14:23.21	05/23/21
11	0.0000	2.1280	0	10	0.0000	11.0000	2697.000000	749.0000	17.0520	333.0000	439.0000	21.4030	-110.0000	188.0000	21.4490	14:14:23.70	05/23/21
12	0.0000	2.3400	0	11	0.0000	12.0000	2323.000000	764.0000	17.3880	247.0000	441.0000	21.4960	-148.0000	195.0000	22.2270	14:14:24.19	05/23/21
13	0.0000	2.5530	0	12	0.0000	13.0000	2061.000000	790.0000	17.9830	173.0000	446.0000	21.7350	-178.0000	198.0000	22.5780	14:14:24.68	05/23/21
14	0.0000	2.7660	0	13	0.0000	14.0000	1872.000000	798.0000	18.1580	124.0000	445.0000	21.7080	-209.0000	196.0000	22.3080	14:14:25.17	05/23/21
15	0.0000	2.9790	0	14	0.0000	15.0000	1910.000000	790.0000	17.9800	120.0000	434.0000	21.1860	-218.0000	185.0000	21.0490	14:14:25.66	05/23/21
16	0.0000	3.1910	0	15	0.0000	16.0000	1973.000000	762.0000	17.3570	120.0000	424.0000	20.6810	-215.0000	176.0000	19.9850	14:14:26.15	05/23/21
17	0.0000	3.4040	0	16	0.0000	17.0000	2241.000000	728.0000	16.6570	175.0000	412.0000	20.0770	-175.0000	169.0000	19.2210	14:14:26.64	05/23/21
18	0.0000	3.6170	0	17	0.0000	18.0000	2464.000000	702.0000	15.9760	239.0000	407.0000	19.8670	-141.0000	171.0000	19.4800	14:14:27.21	05/23/21
19	0.0000	3.8300	0	18	0.0000	19.0000	2565.000000	698.0000	15.8980	240.0000	408.0000	19.8880	-121.0000	175.0000	19.9350	14:14:27.70	05/23/21
20	0.0000	4.0430	0	19	0.0000	20.0000	2463.000000	717.0000	16.3200	151.0000	418.0000	20.4000	-139.0000	178.0000	20.2640	14:14:28.19	05/23/21

选择测线通道



1条线 - 1页电子表格

多条线 - 多页电子表格

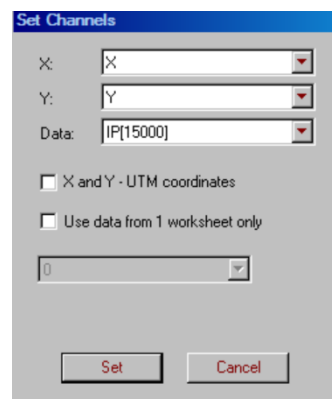
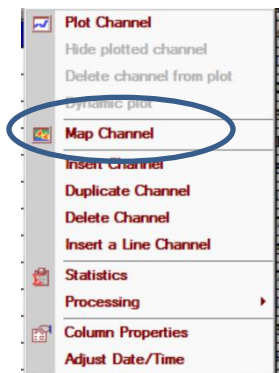


绘图工具



Record	A-X	B-Y	C-Line	D-Station	E-XCoord	F-YCoord	G-IP[15000]	H-OP[15000]	I-Cond[15000]	J-IP[7000]	K-OP[7000]	L-Cond[7000]	M-IP[3000]	N-OP[3000]	O-Cond[3000]	P-TIME
1	0.0000	0.0000	0	0	0.0000	1.0000	2916.000000	856.0000	19.4930	461.0000	473.0000	23.0790	6.0000	229.0000	26.0900	14:14:18.72
2	0.0000	0.2130	0	1	0.0000	2.0000	3023.000000	839.0000	19.0960	481.0000	470.0000	22.9290	2.0000	223.0000	25.3710	14:14:19.21
3	0.0000	0.4260	0	2	0.0000	3.0000	3231.000000	801.0000	18.2380	537.0000	459.0000	22.3950	-15.0000	213.0000	24.2660	14:14:19.70
4	0.0000	0.6380	0	3	0.0000	4.0000	3416.000000	762.0000	17.3370	559.0000	454.0000	22.1390	-39.0000	201.0000	22.9110	14:14:20.19
5	0.0000	0.8510	0	4	0.0000	5.0000	3572.000000	754.0000	17.1590	518.0000	457.0000	22.3070	-60.0000	197.0000	22.4690	14:14:20.68
6	0.0000	1.0640	0	5	0.0000	6.0000	3220.000000	771.0000	17.5640	455.0000	460.0000	22.4660	-81.0000	198.0000	22.5660	14:14:21.17
7	0.0000	1.2770	0	6	0.0000	7.0000	2947.000000	793.0000	18.0640	376.0000	463.0000	22.6020	-83.0000	200.0000	22.8170	14:14:21.66
8	0.0000	1.4890	0	7	0.0000	8.0000	2885.000000	781.0000	17.7760	366.0000	452.0000	22.0610	-85.0000	198.0000	22.5720	14:14:22.15
9	0.0000	1.7020	0	8	0.0000	9.0000	2908.000000	761.0000	17.3180	372.0000	447.0000	21.7960	-77.0000	191.0000	21.7970	14:14:22.72
10	0.0000	1.9150	0	9	0.0000	10.0000	2918.000000	737.0000	16.7880	384.0000	437.0000	21.3250	-89.0000	187.0000	21.2880	14:14:23.21
11	0.0000	2.1280	0	10	0.0000	11.0000	2697.000000	749.0000	17.0520	333.0000	439.0000	21.4030	-110.0000	188.0000	21.4490	14:14:23.70
12	0.0000	2.3400	0	11	0.0000	12.0000	2523.000000	764.0000	17.3880	247.0000	441.0000	21.4960	-148.0000	195.0000	22.2270	14:14:24.19
13	0.0000	2.5530	0	12	0.0000	13.0000	2061.000000	790.0000	17.9830	173.0000	446.0000	21.7350	-178.0000	198.0000	22.5780	14:14:24.68
14	0.0000	2.7660	0	13	0.0000	14.0000	1872.000000	798.0000	18.1580	124.0000	445.0000	21.7080	-209.0000	196.0000	22.3080	14:14:25.17
15	0.0000	2.9790	0	14	0.0000	15.0000	1910.000000	790.0000	17.9800	120.0000	434.0000	21.1860	-218.0000	185.0000	21.0490	14:14:25.66
16	0.0000	3.1910	0	15	0.0000	16.0000	1973.000000	762.0000	17.3570	120.0000	424.0000	20.6810	-215.0000	176.0000	19.9850	14:14:26.15
17	0.0000	3.4040	0	16	0.0000	17.0000	2241.000000	728.0000	16.5790	175.0000	412.0000	20.0770	-175.0000	169.0000	19.2210	14:14:26.64
18	0.0000	3.6170	0	17	0.0000	18.0000	2464.000000	702.0000	15.9760	239.0000	407.0000	19.8670	-141.0000	171.0000	19.4800	14:14:27.21
19	0.0000	3.8300	0	18	0.0000	19.0000	2565.000000	698.0000	15.8980	240.0000	408.0000	19.8880	-121.0000	175.0000	19.9350	14:14:27.70
20	0.0000	4.0430	0	19	0.0000	20.0000	2463.000000	717.0000	16.3200	151.0000	418.0000	20.4000	-139.0000	178.0000	20.2640	14:14:28.19
21	0.0000	4.2550	0	20	0.0000	21.0000	2133.000000	727.0000	16.5440	5.0000	430.0000	20.9970	-151.0000	173.0000	19.6560	14:14:28.68
22	0.0000	4.4680	0	21	0.0000	22.0000	1911.000000	714.0000	16.2500	-51.0000	431.0000	20.1290	-164.0000	165.0000	18.7560	14:14:29.17
23	0.0000	4.6810	0	22	0.0000	23.0000	1809.000000	678.0000	15.4250	-11.0000	422.0000	20.5980	-157.0000	160.0000	18.1800	14:14:29.66
24	0.0000	4.8940	0	23	0.0000	24.0000	2023.000000	663.0000	15.0990	99.0000	411.0000	20.0710	-154.0000	170.0000	19.3280	14:14:30.15
25	0.0000	5.1060	0	24	0.0000	25.0000	2277.000000	665.0000	15.1350	224.0000	409.0000	19.9460	-130.0000	181.0000	20.5870	14:14:30.72
26	0.0000	5.3190	0	25	0.0000	26.0000	2419.000000	688.0000	15.6580	248.0000	410.0000	20.0080	-124.0000	186.0000	21.1330	14:14:31.21
27	0.0000	5.5320	0	26	0.0000	27.0000	2337.000000	709.0000	16.1300	232.0000	410.0000	19.9910	-125.0000	179.0000	20.3680	14:14:31.70

单击鼠标右键

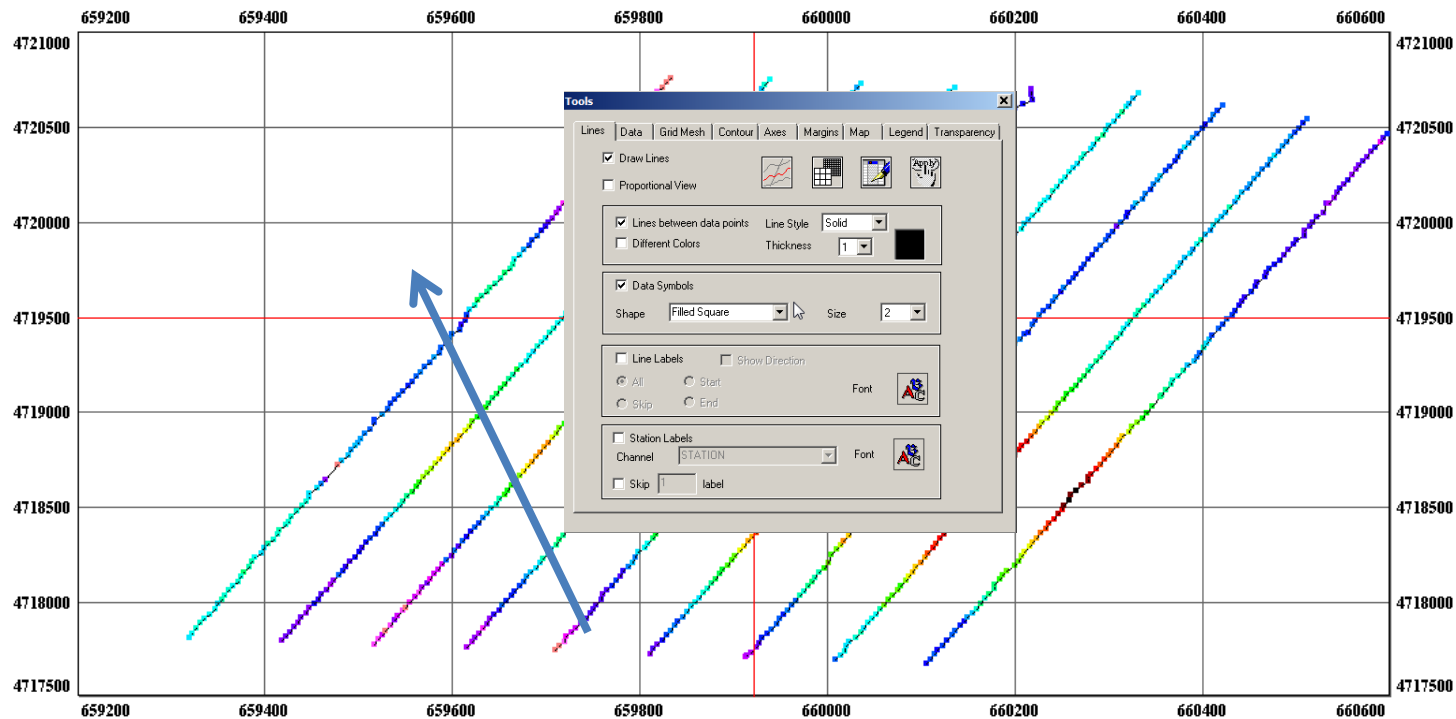


选择参考通道
以绘制二维图



下一页

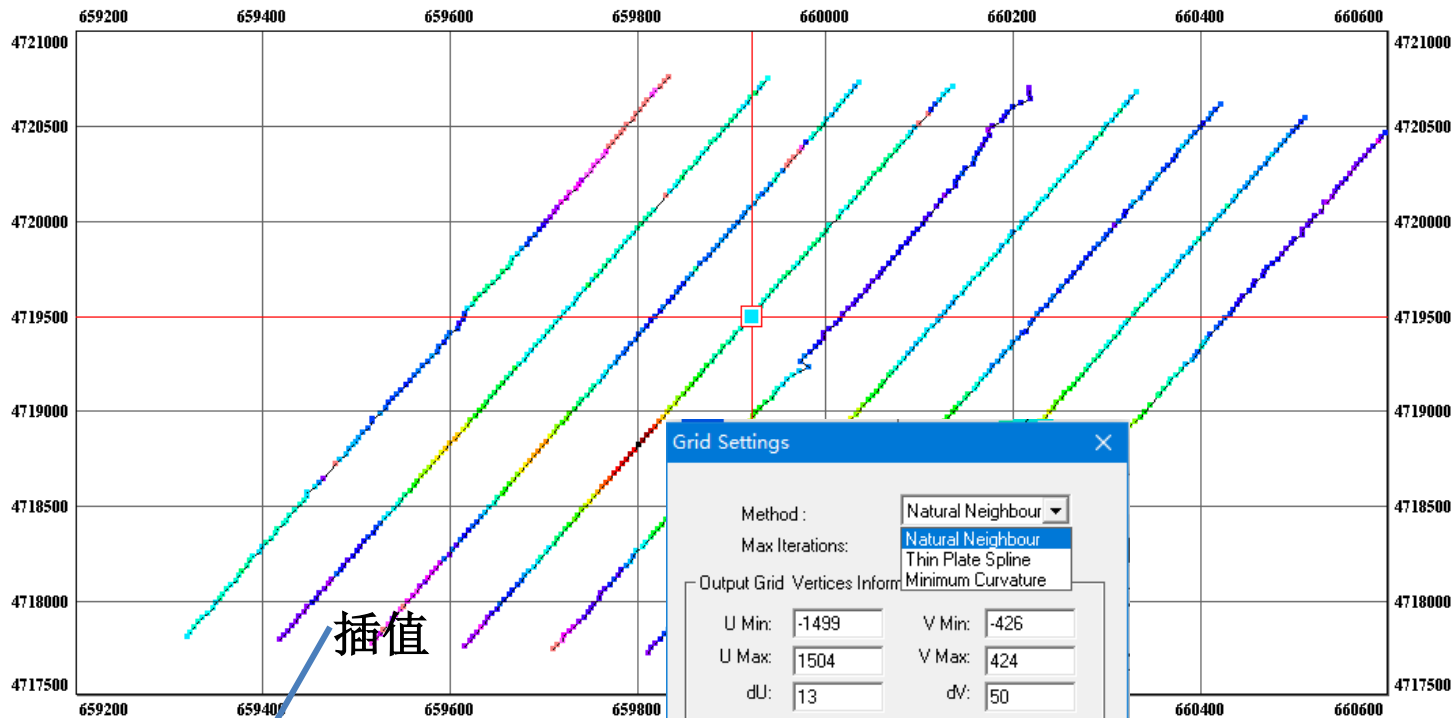
绘图工具



在窗口中左键双击以显示用于绘图的控件



绘图工具



插值



Grid Settings

Method: Natural Neighbour
Max Iterations: Natural Neighbour
Output Grid: Vertices Inform: Thin Plate Spline
Minimum Curvature

U Min: -1499	V Min: -426
U Max: 1504	V Max: 424
dU: 13	dV: 50
nU: 232	nV: 18

Note: nU and nV are the numbers of grid vertices.

Angle (degrees) wrt X: 80.04
Reference Point X: 659972
Reference Point Y: 4719218

Average Distance between Lines: 100.209999
Locations: 25.0699996

Remove Extrapolated Points

Spatial Radius: 86.434
 Slow Fast

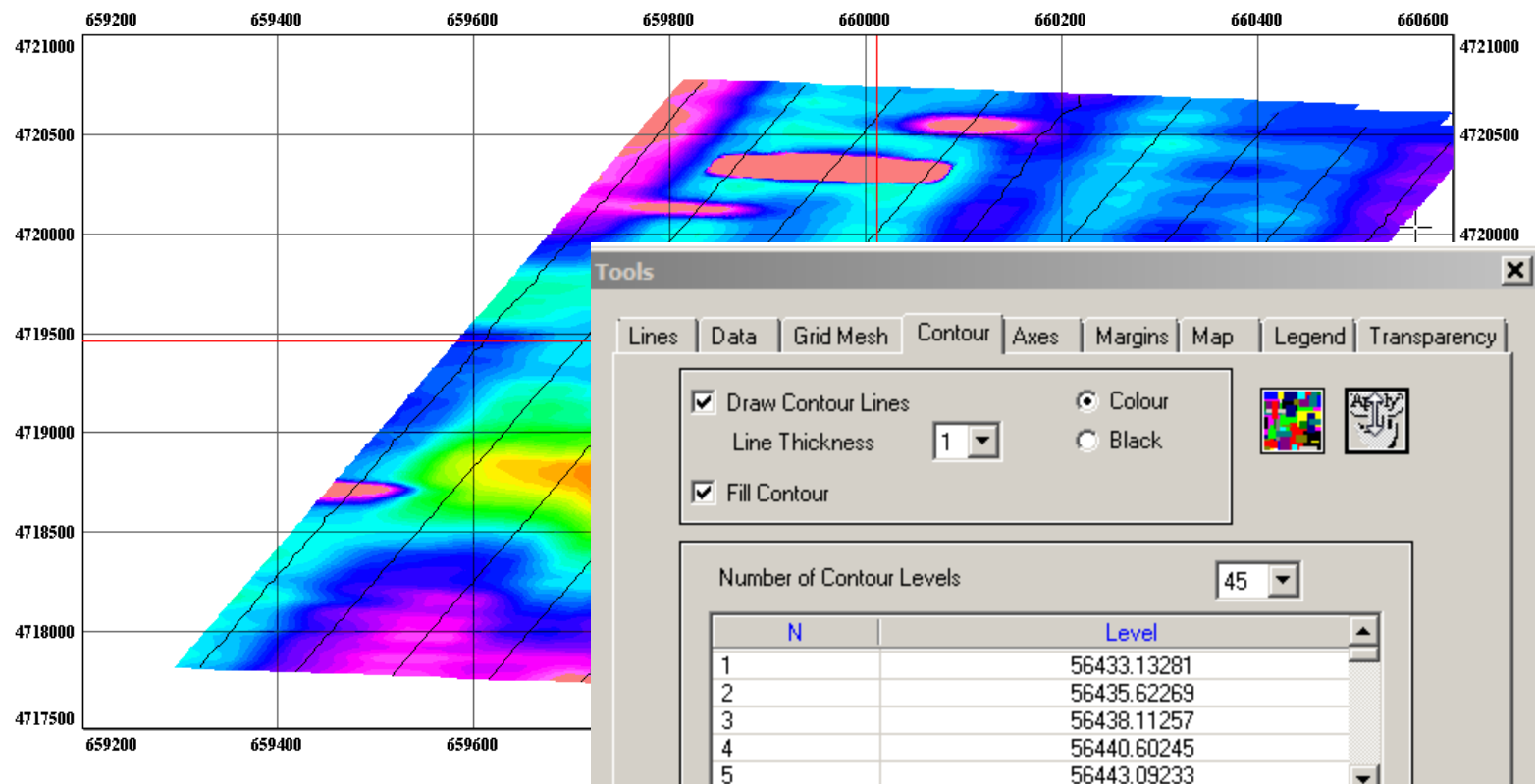
Remove Duplicate Points

Interpolate Default Cancel

插值设置
根据需要调整

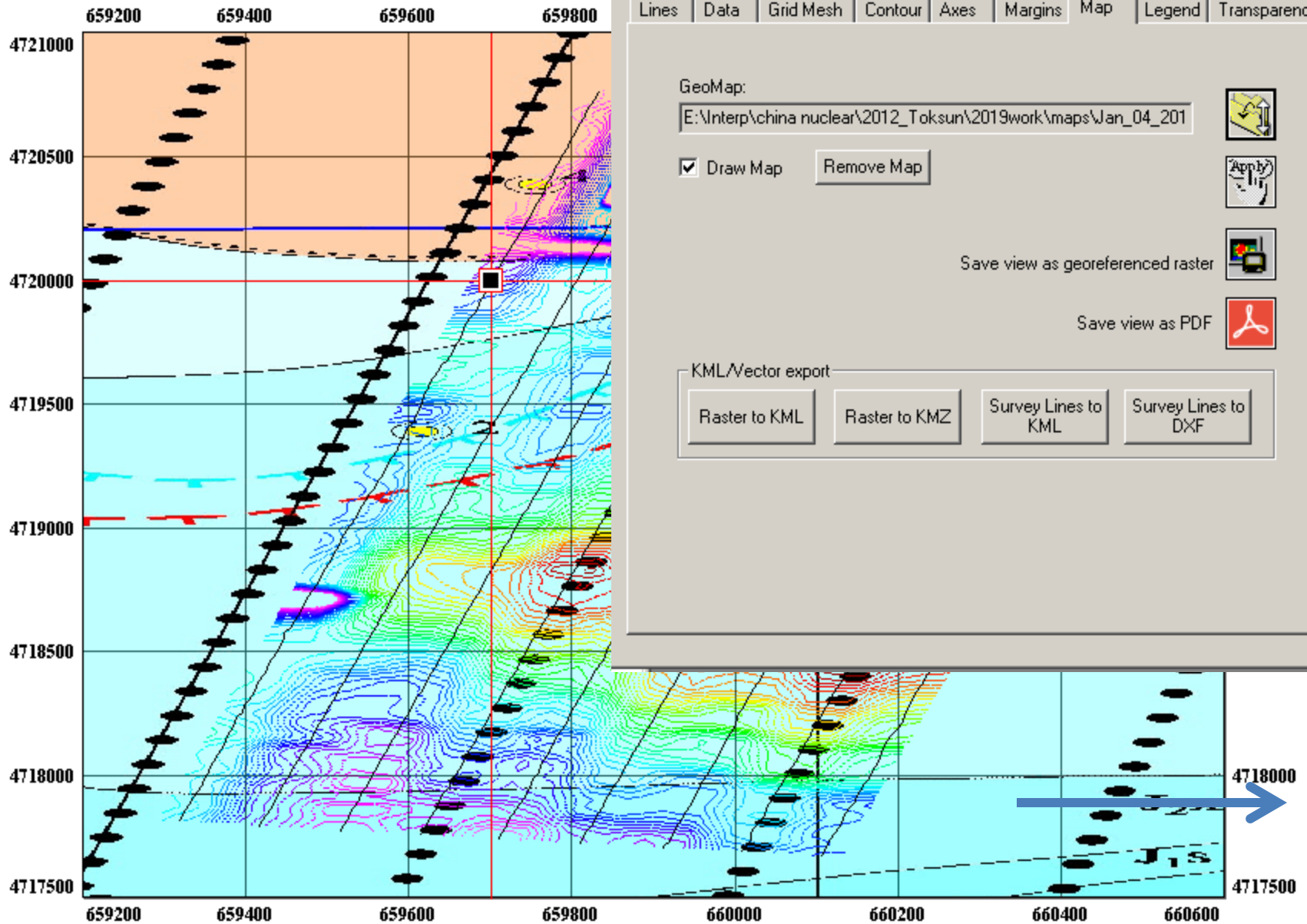


绘图工具



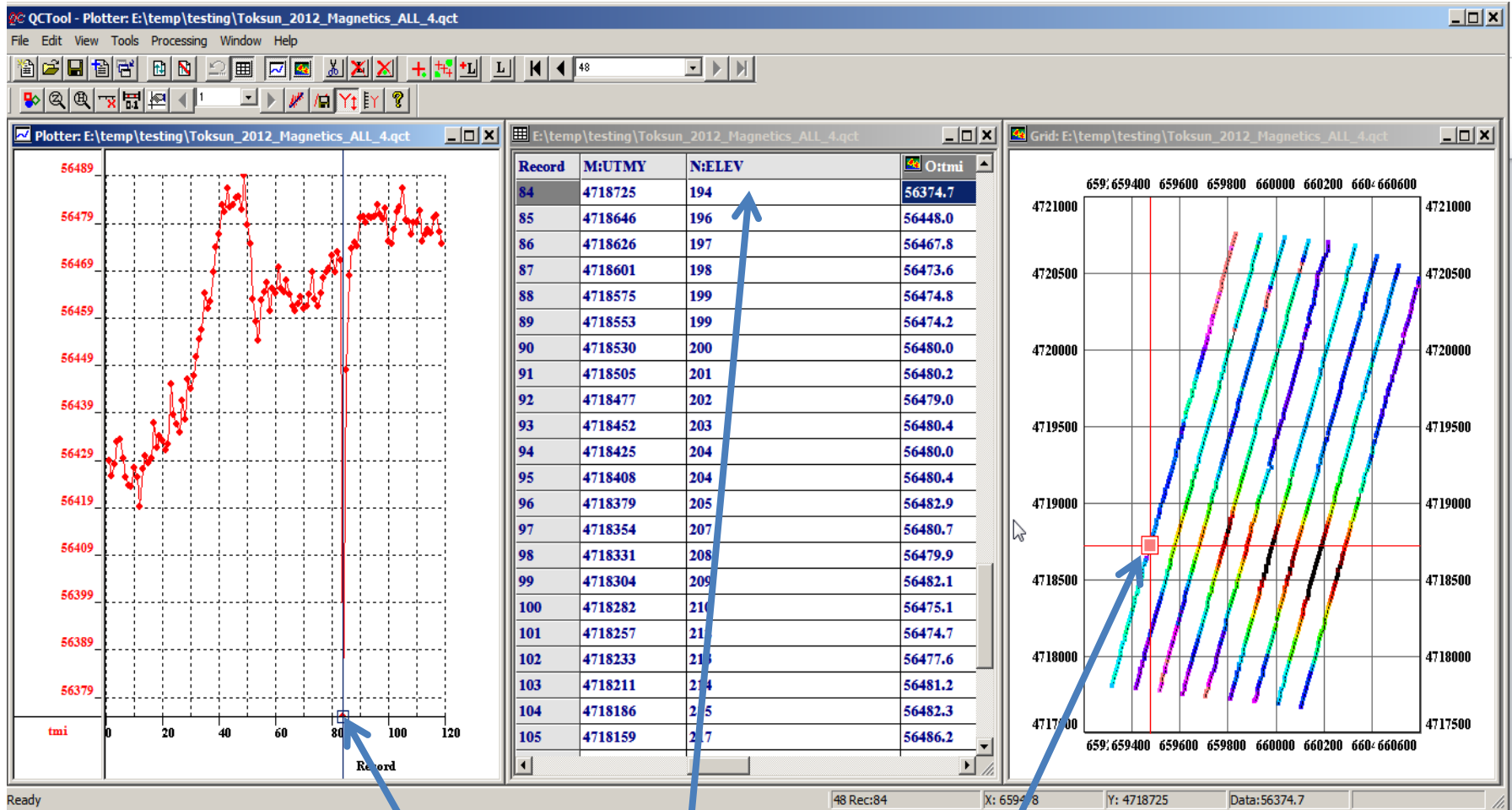
在窗口中左键双击
以显示用于绘图的控件
- 等值线

绘图工具



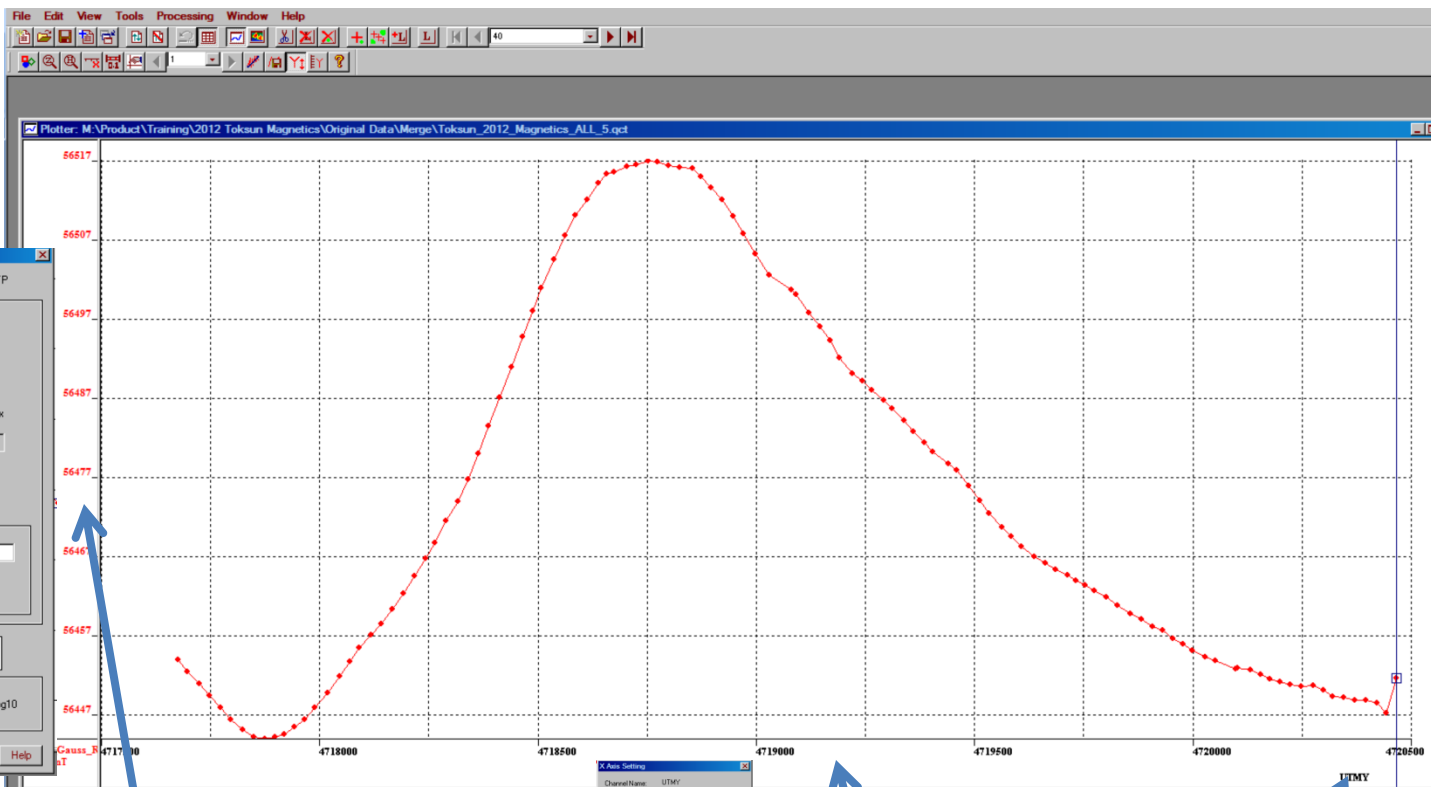
底图示例

在内存中链接的电子表格、折线图和网格显示



在任何显示应用中选择一点，其它两个应用中的点的选择将同步更新

折线图工具



Y Axis Setting

Channel Name: TMI_E_L_Gauss_RTP

Data Max Y: 56516.84755E
Data Min Y: 56443.73437E
Max Y: 56520
Min Y: 56440

Auto-Rescale to Local Min and Max

Y-Axis Increment: 10
 Automatically change increment
 Keep axis settings for all sheets

Format
Decimal Digits: (Alter Decimal Point) 0
 Fixed Exponential
 Time Date

Font
Y Axis Font

Draw X Mesh Lines Log10
 Draw Y Mesh Lines

OK Cancel Help

双击进行Y轴设置

X Axis Setting

Channel Name: UTM_Y

Data Max X: 4720480
Data Min X: 4717620
Max X: 4720500
Min X: 4717500

X Axis Increment: 500
 Automatically change increment
 Keep axis settings for all sheets

Format
Decimal Digits: (Alter Decimal Point) 0
 Fixed Exponential
 Time Date

Font
X Axis Font

Draw X Mesh Lines Log10
 Draw Y Mesh Lines

OK Cancel Help

双击进行X轴设置

Set X Axis

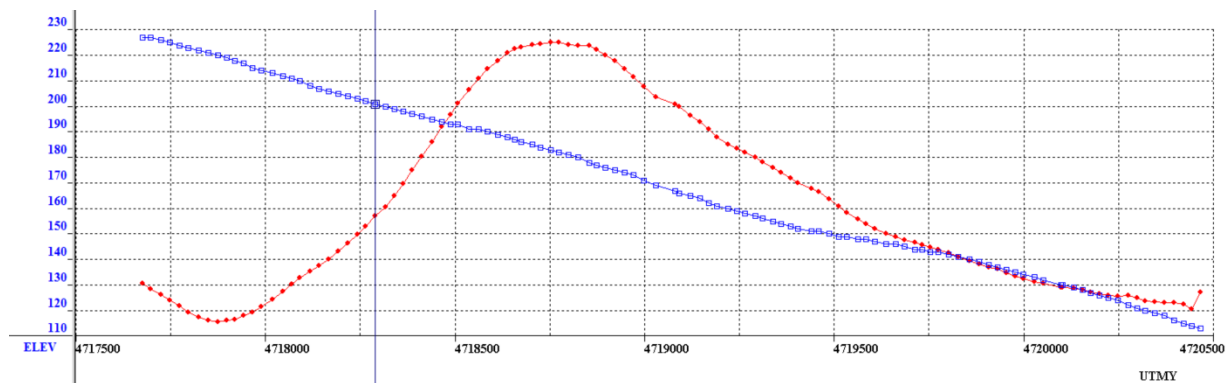
date
time
STATION
GridX
GridY
Long_Z45
Lat_Z45
Long_Beijing 1
Lat_Beijing 19
UTMx
UTMY

Set

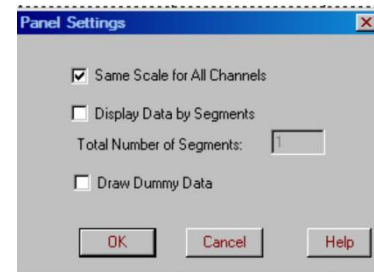
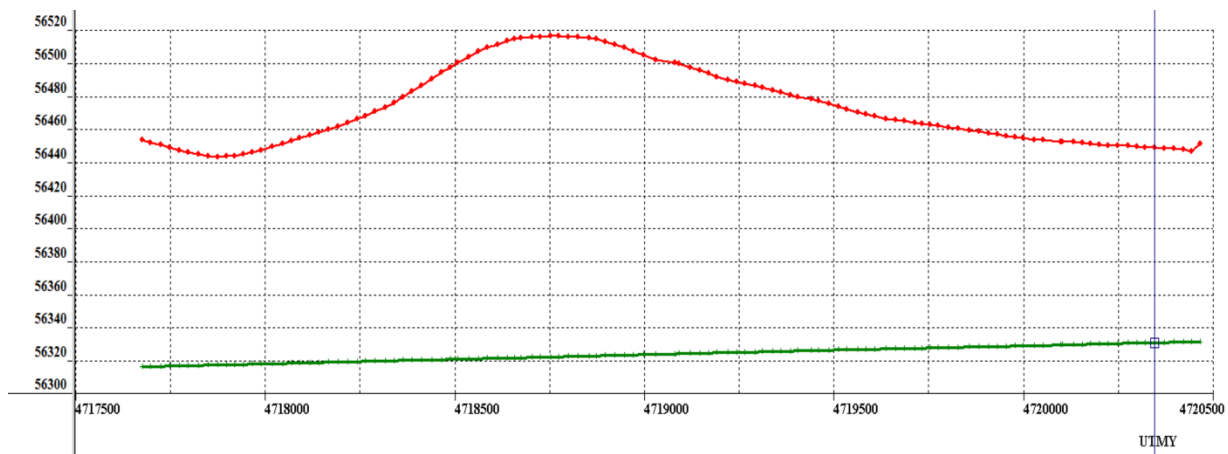
双击选择横坐标数据通道

折线图工具

多通道折线图，每个通道有其自己的Y轴

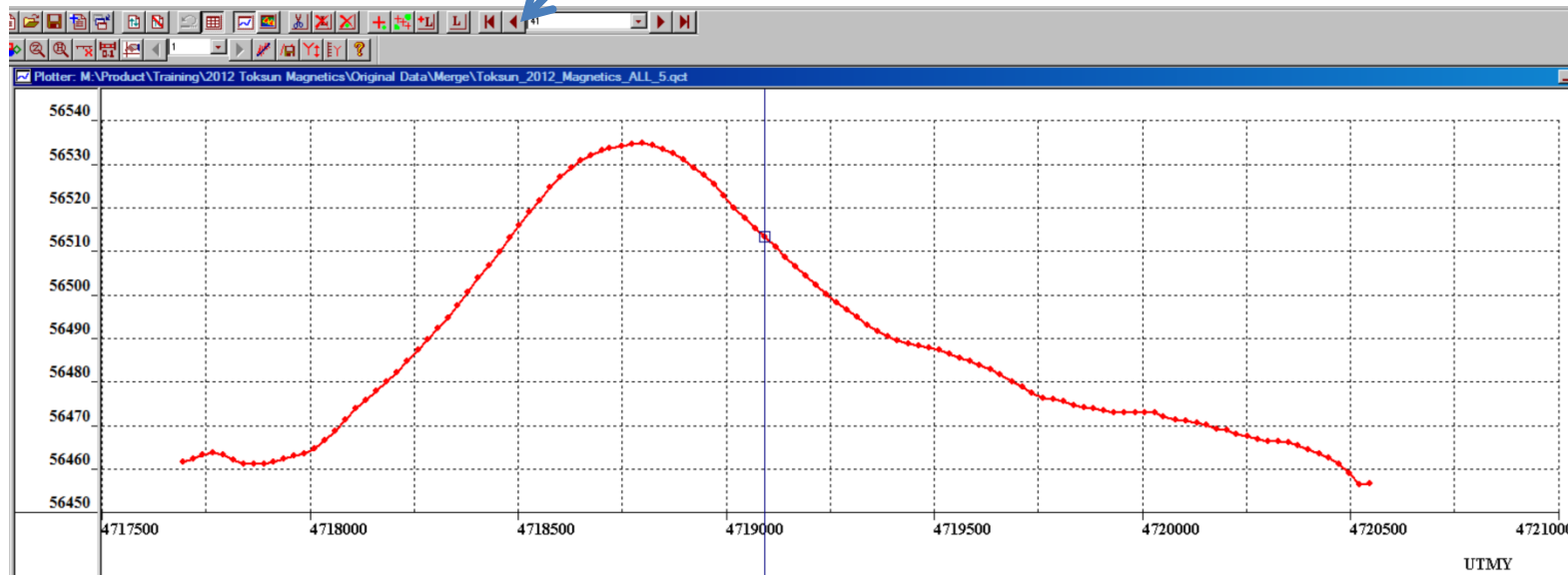


多通道折线共用一个Y轴



折线图

在不同测线间游走



在不同测线间游走

