

Lesson 8: MakeMap2

Objective: This example is to generate a map of formation thickness. The zero thickness region is honored by matching data distribution .

Project Panel:

- Start a new project by clicking on the **File** pull down menu and click **New**
- Click the **Next** button on the lower left.

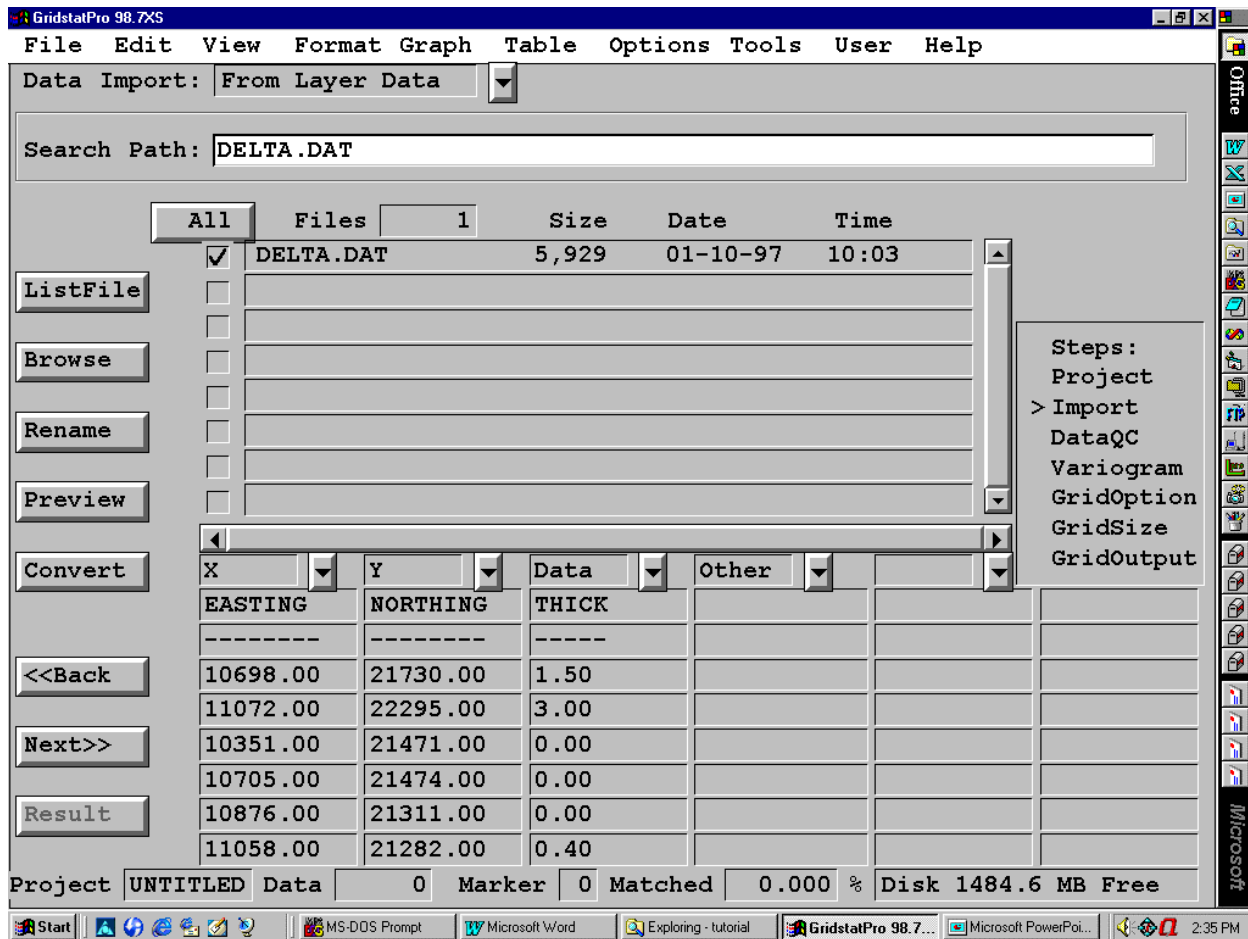
1. Import layer data and data quality control

Import Panel:

- Click the pull down list at the top (initially **Not Defined**), then select **From Layer Data**
- On **Search Path** panel, type in **DELTA.DAT**
- Click **ListFile** button, then put check mark on **DELTA.DAT**
- Click **Preview** button, then select **As Text**

Select the correct column labels to import

- Change first column next to **Convert** button to **X**
- Change second column to **Y**
- Change third column to **Data**
- Change the fourth column to **Other**



- Click the **Convert** button
- Click **NO** to Save Data as Grid
- Click the **Next** button on the lower left

DataQC Panel:

- Select top box on the left
- Click **View** button, then select **1 Graph**
- Click **View** button, then select **4 Graph**

GridstatPro 98.7XS

File Edit View Format Graph Table Options Tools User Help

DataQC

R 0

P F T

Output >

Select >

Remove >

Change >

Add >

QGraph >

<<Back

Next>>

Data:

All T

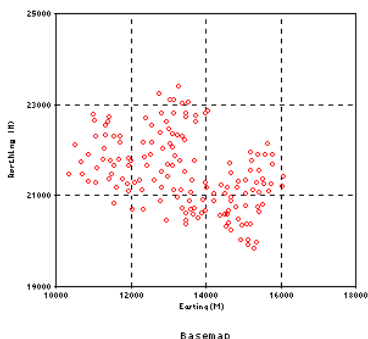
Data Overview: 154 total

Wells	Traces	DataRead	DataN
154	154	154	

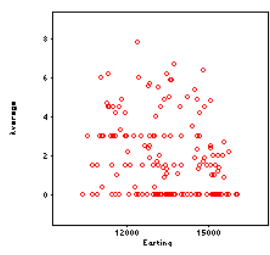
X Min	X Max	Y Min
10351.000	16069.000	19845.000

Data Av.	Data S.D.	Data Min	D
1.972727	1.978686	0.000	

Duplicate logs (same well)



Basemap



Average

Easting

Data Average for Each Well

Header	
ID	Easting
1	10698.0
2	11072.0
3	10351.0
4	10705.0
5	10876.0
6	11058.0
7	11619.0
8	11554.0

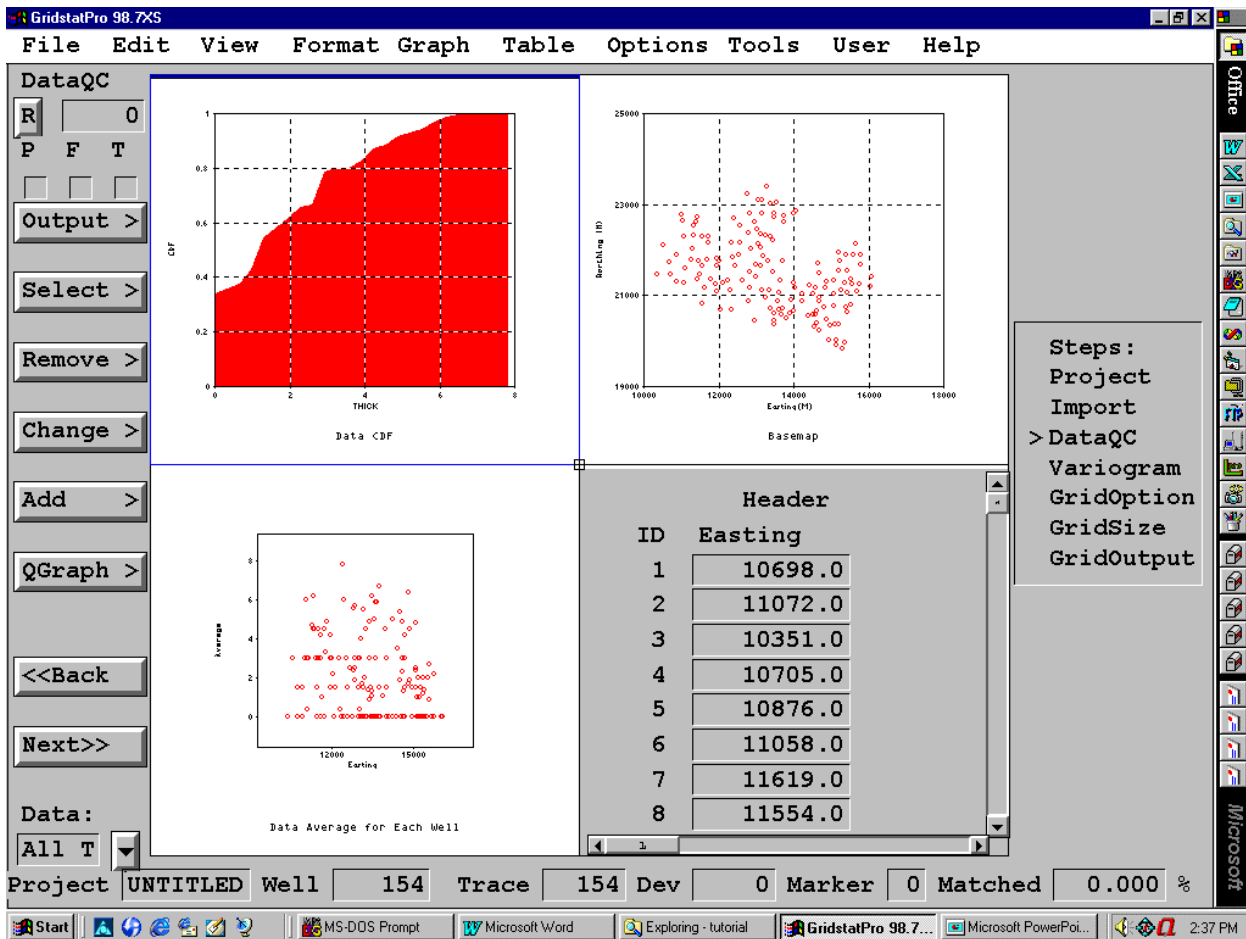
Steps:

- Project
- Import
- > DataQC
- Variogram
- GridOption
- GridSize
- GridOutput

Project UNTITLED Well 154 Trace 154 Dev 0 Marker 0 Matched 0.000 %

Start MS-DOS Prompt Microsoft Word Exploring - tutorial GridstatPro 98.7... Microsoft PowerPoi... 2:36 PM

- Click **Graph** button, then select **Data CDF**

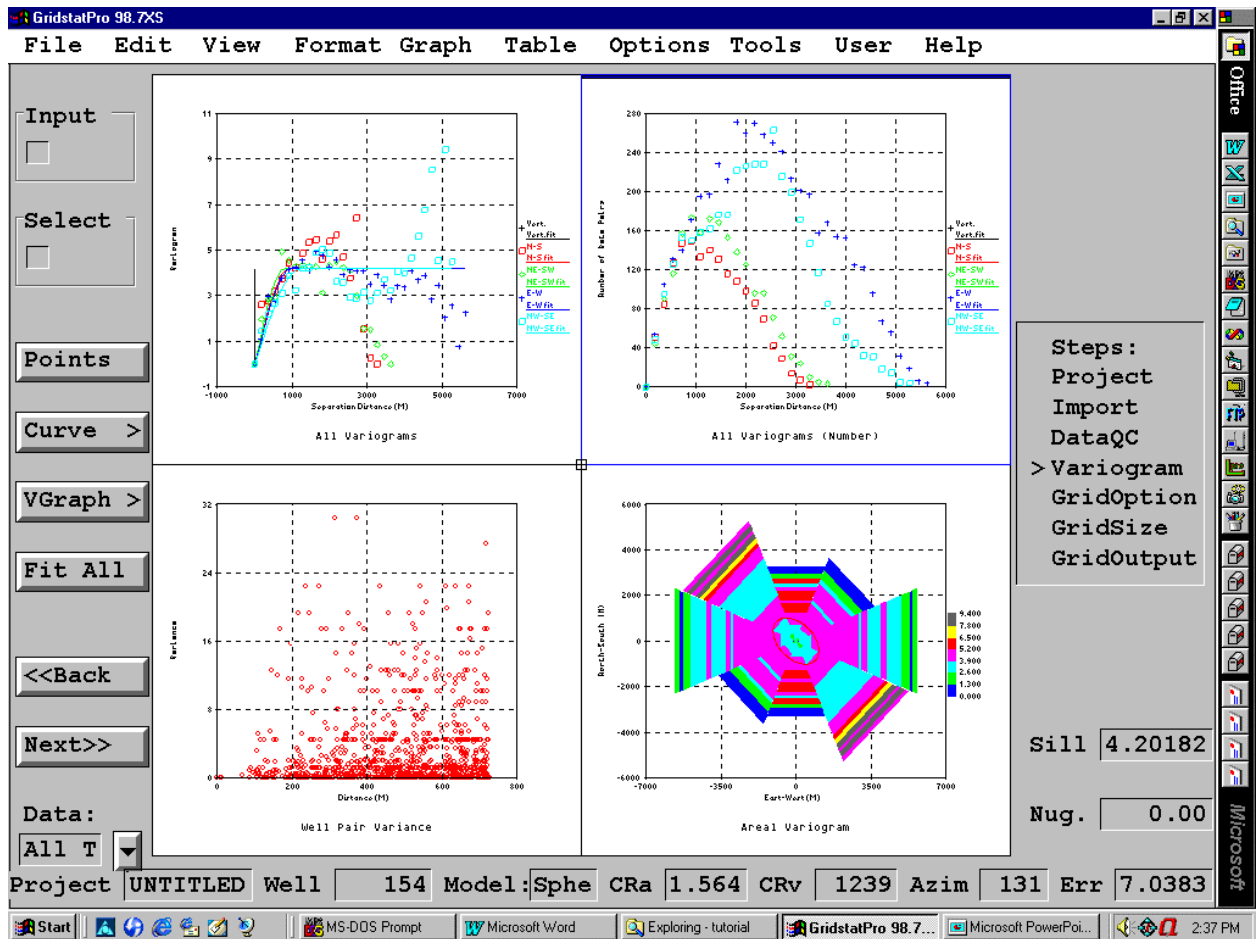


- Click the Next button on the lower left

2. Variogram and model fit

Variogram Panel:

- Click Points button
- Click Curve button, then select Spherical



- Click the **Next** button on the lower left

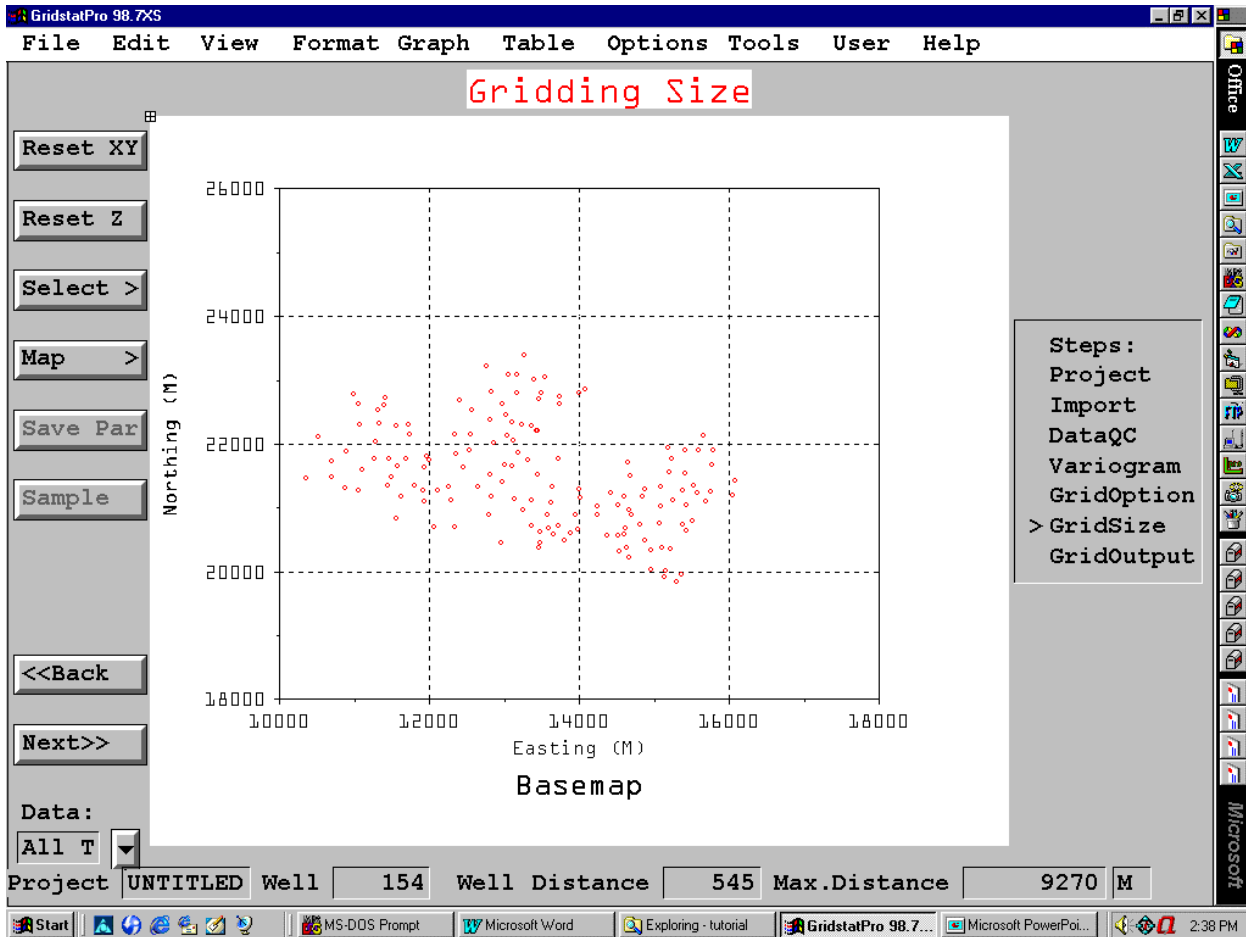
GridOption Panel:

- Click the **Next** button on the lower left

3. Build 2D model by Kriging

GridSize Panel:

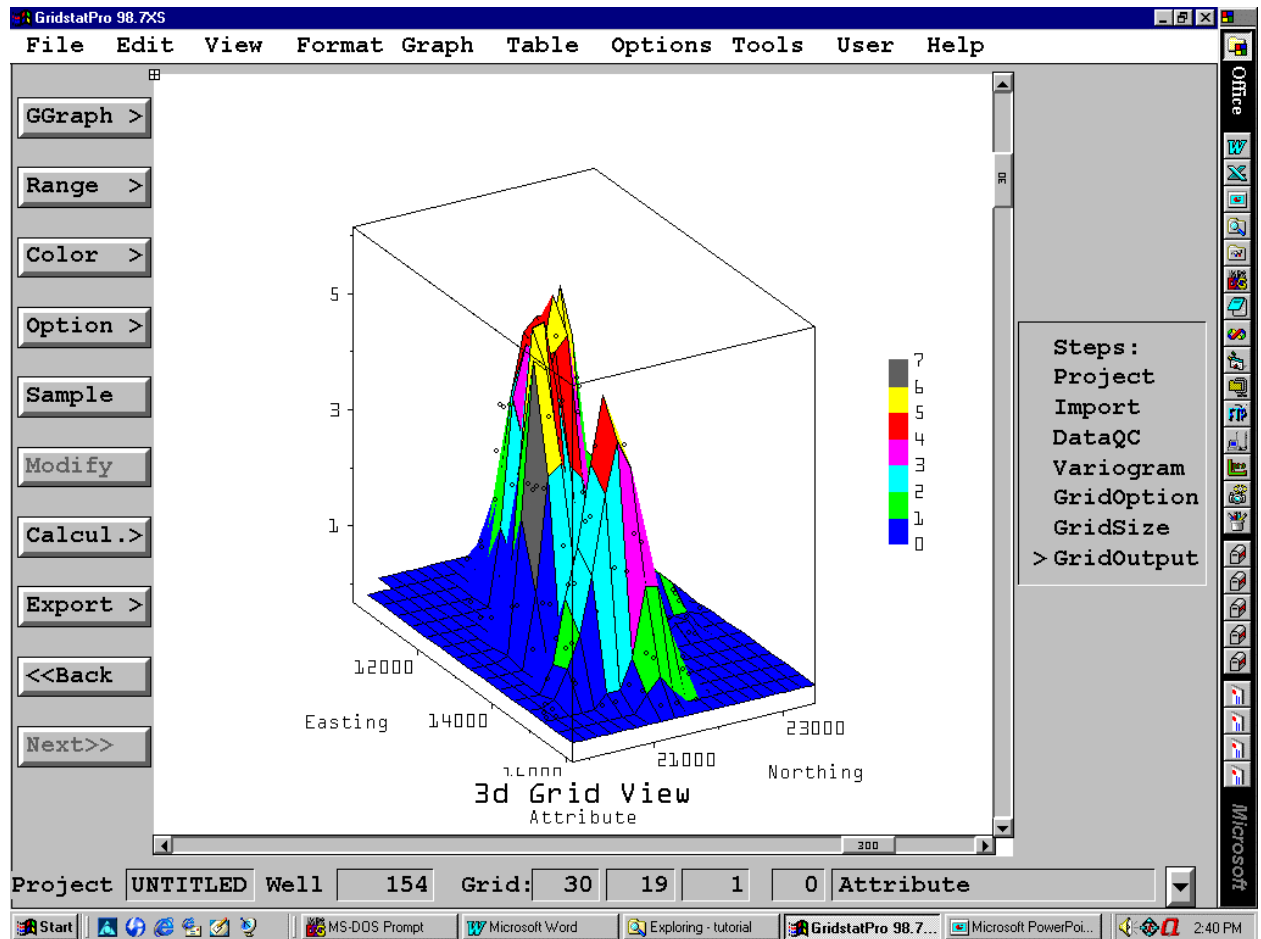
- Change row **X**, column **Inc** to 200
- Change row **Y**, column **Inc** to 200
- Click **Start**
- Click **View** button, then select **1 Graph**



- Click the **Next** button on the lower left

GridOutput Panel:

- Click **GGraph** button, then select **3D View**
- Click **View** button, then select **1 Graph**



- Click **Range** button, then select **Finest**

