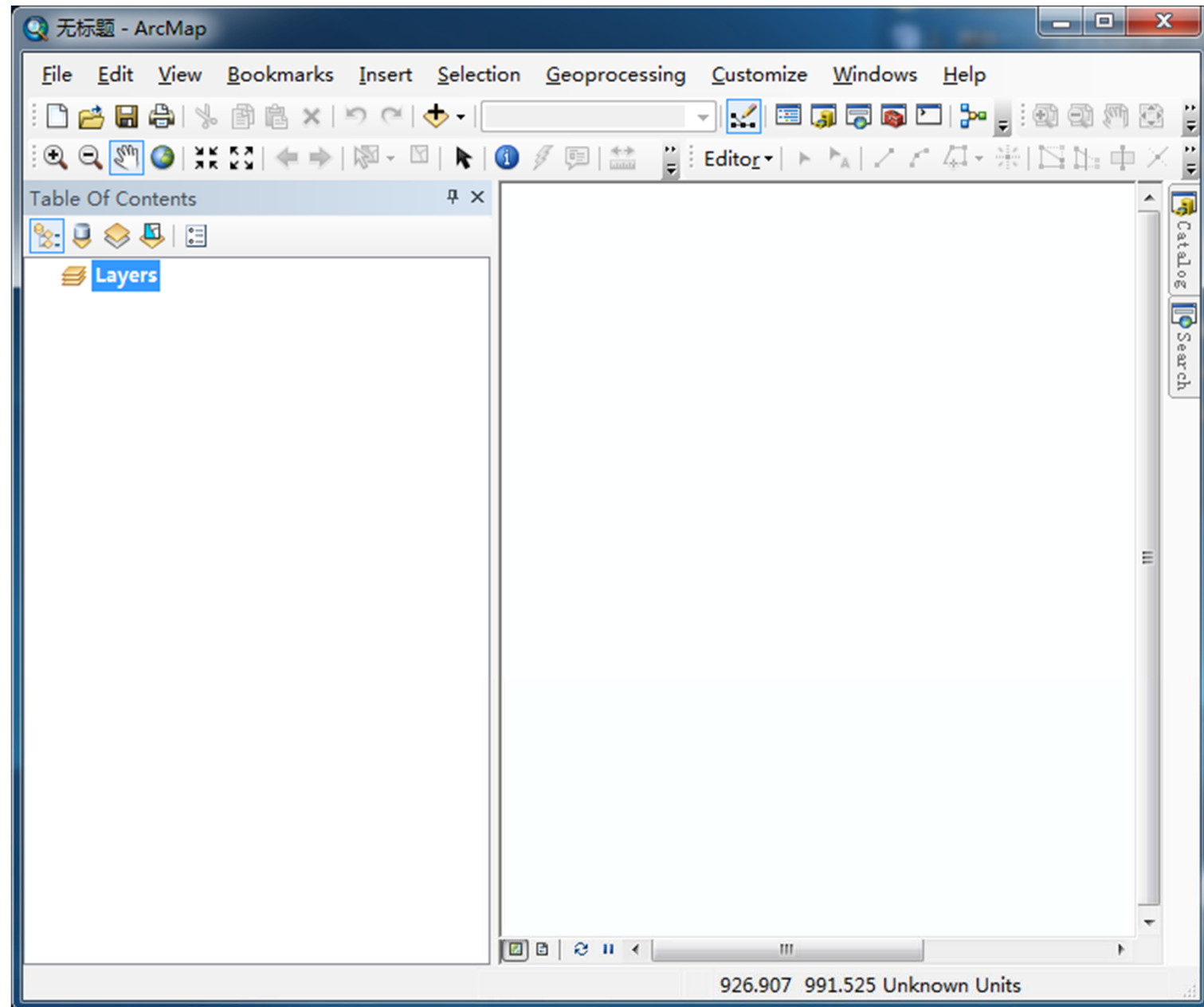


墨卡托投影图上大圆航线、等 角航线的绘制

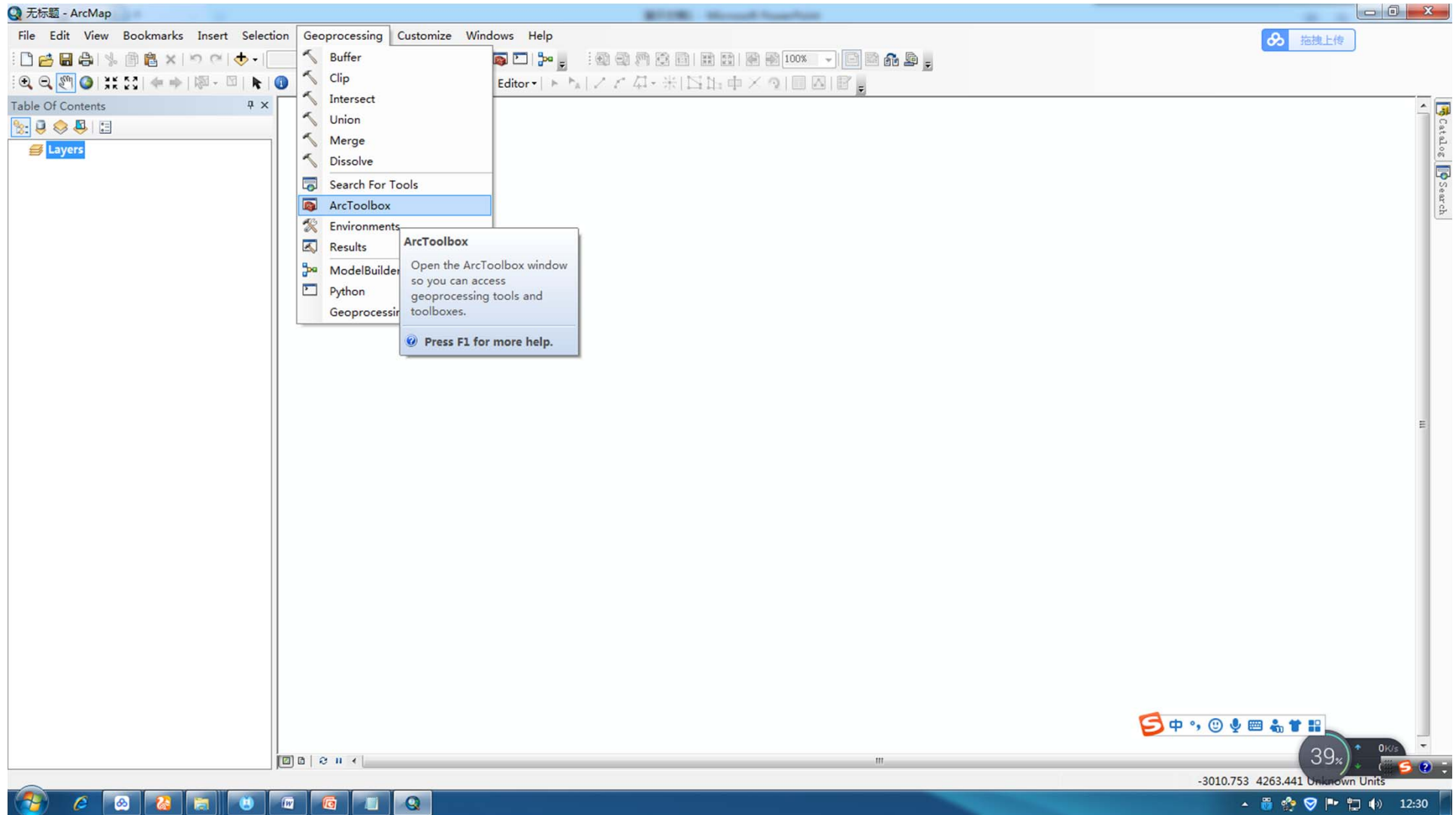
- 航线文件格式如下：

```
航线.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
name longitude1 latitude1 longitude2 latitude2
卡萨布兰卡-堪培拉 -7.616667 33.6 149.133333 -35.3
堪培拉-耶路撒冷 149.133333 -35.3 35.21667 31.78333
耶路撒冷-南京 35.21667 31.78333 118.76667 32.05
南京-布宜诺斯艾利斯 118.76667 32.05 -58.05 -34.03333
布宜诺斯艾利斯-卡萨布兰卡 -58.05 -34.0333 -7.616667 33.6
东京-旧金山
好望角-悉尼
```

- 启动ARCMAP（以10.1版本为例）



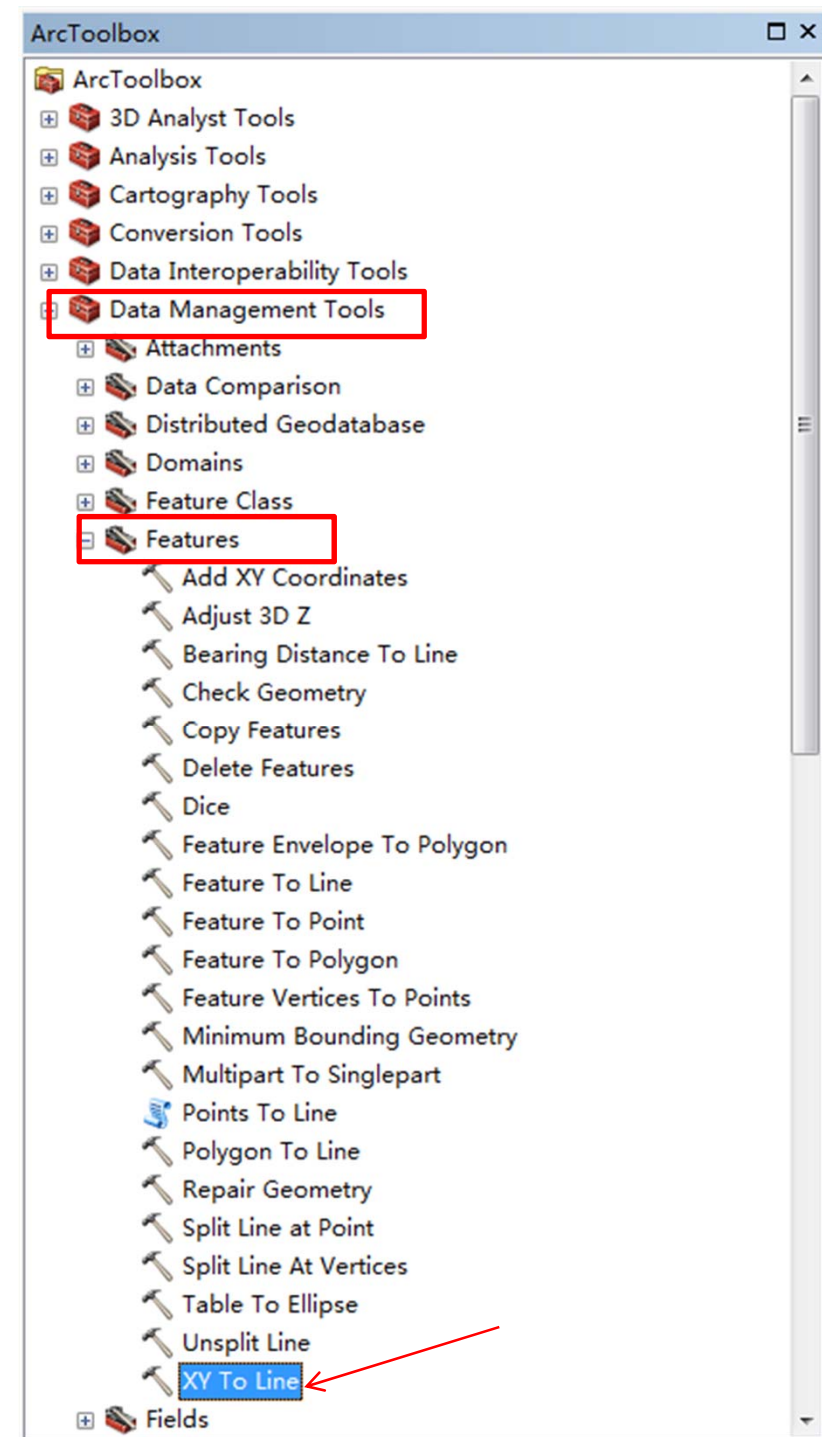
- 打开ArcToolbox红色工具箱



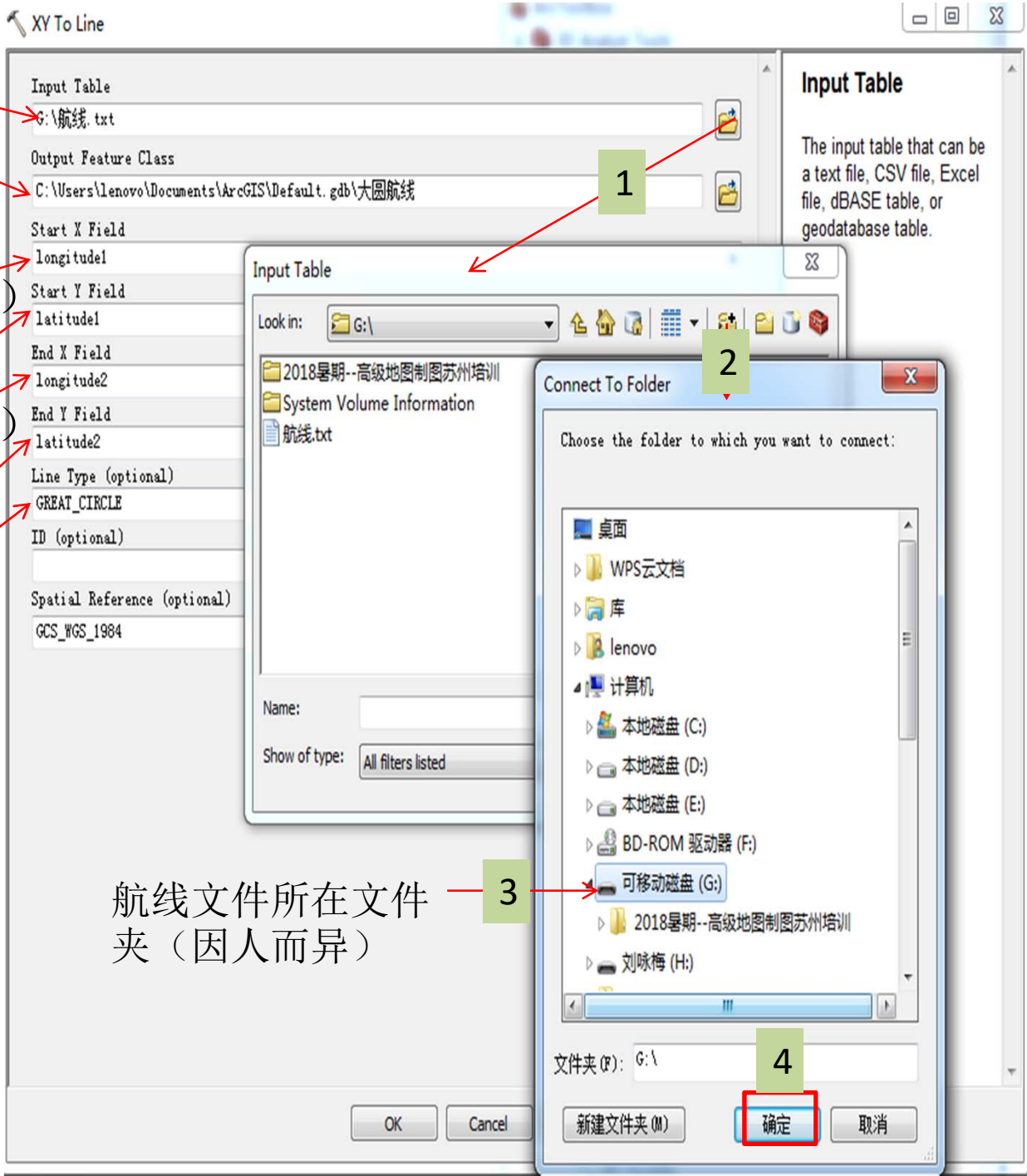
- Data Management Tools 数据管理工具

→ Features 要素

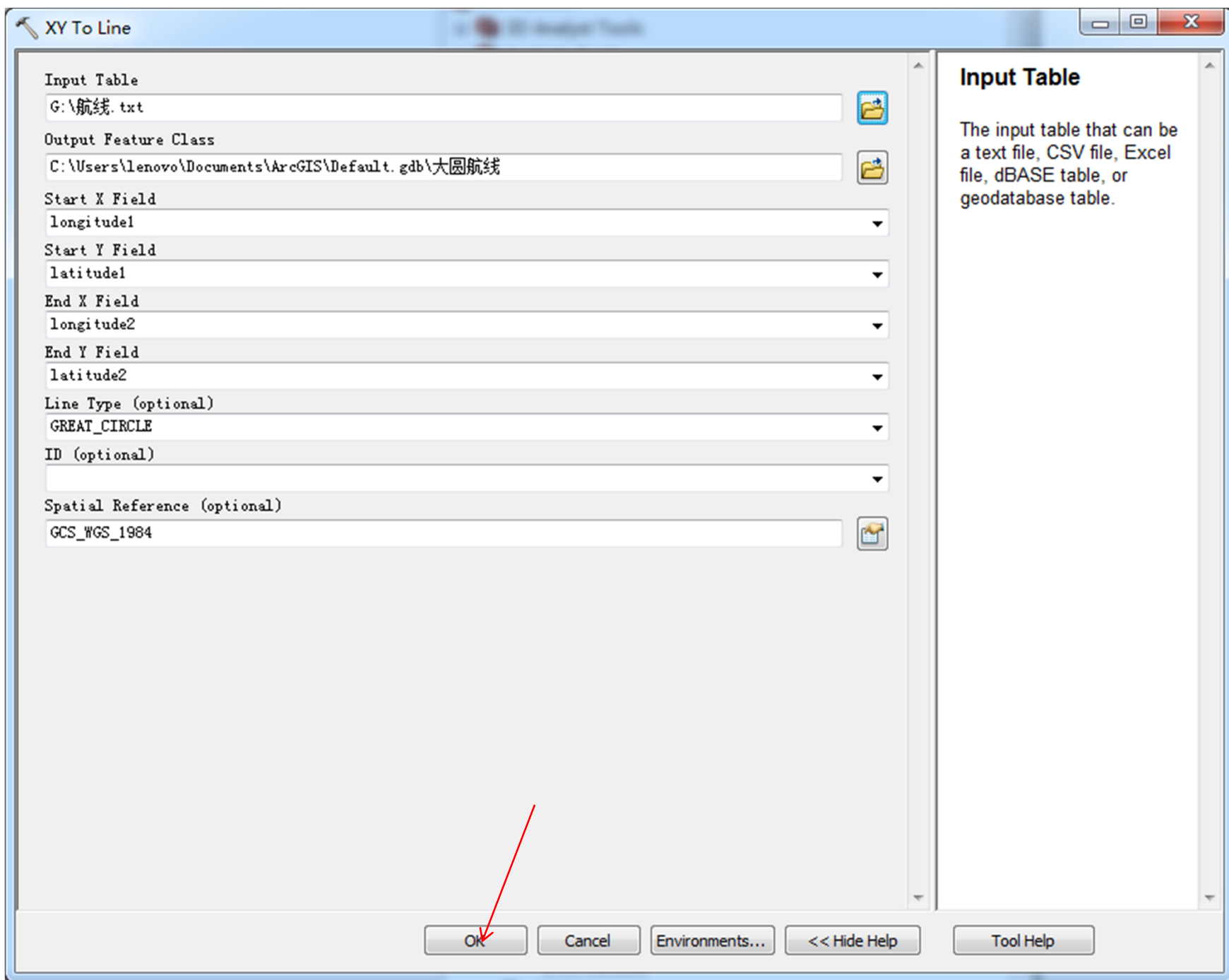
→ **XY To Line** 模块

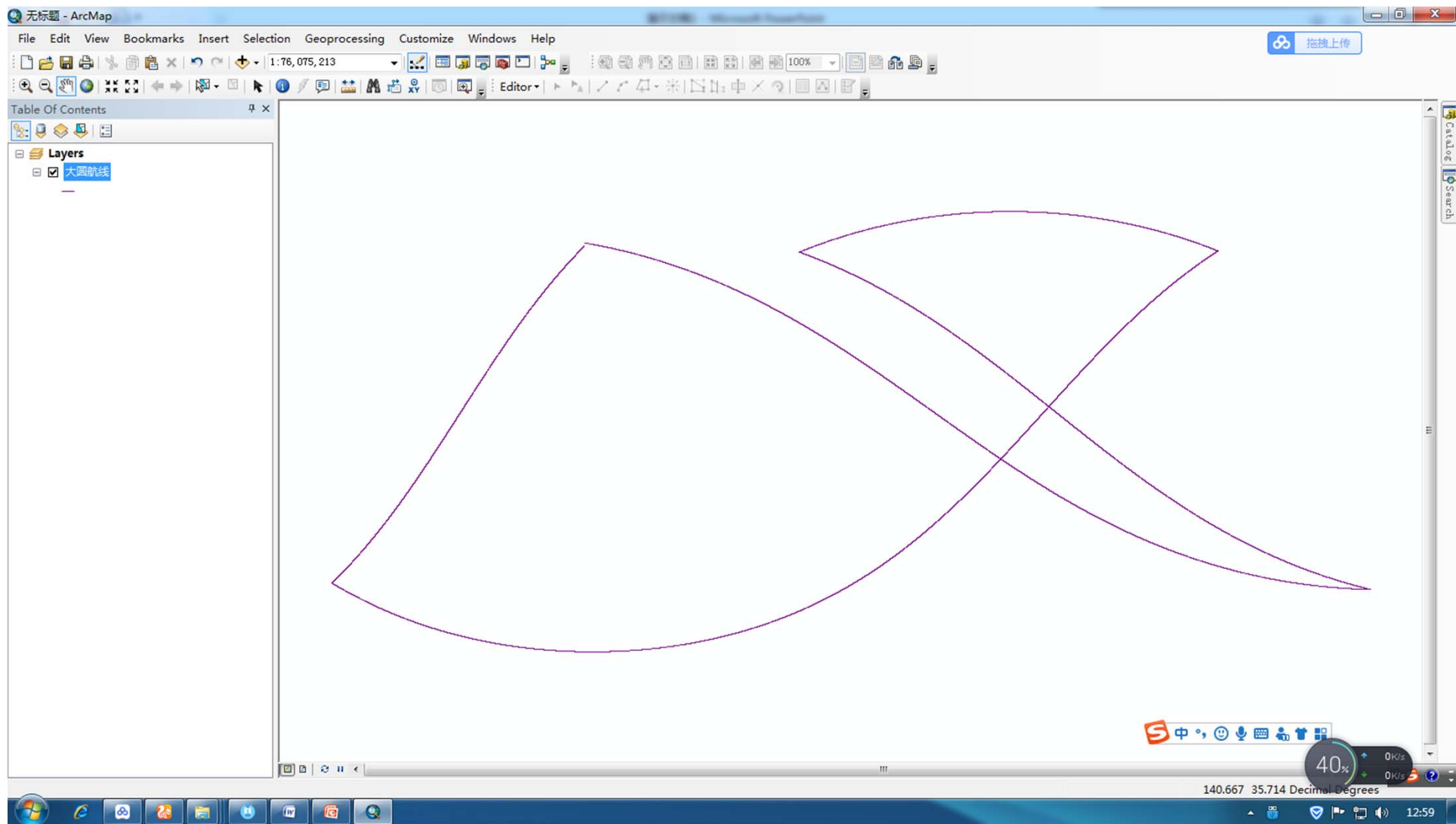


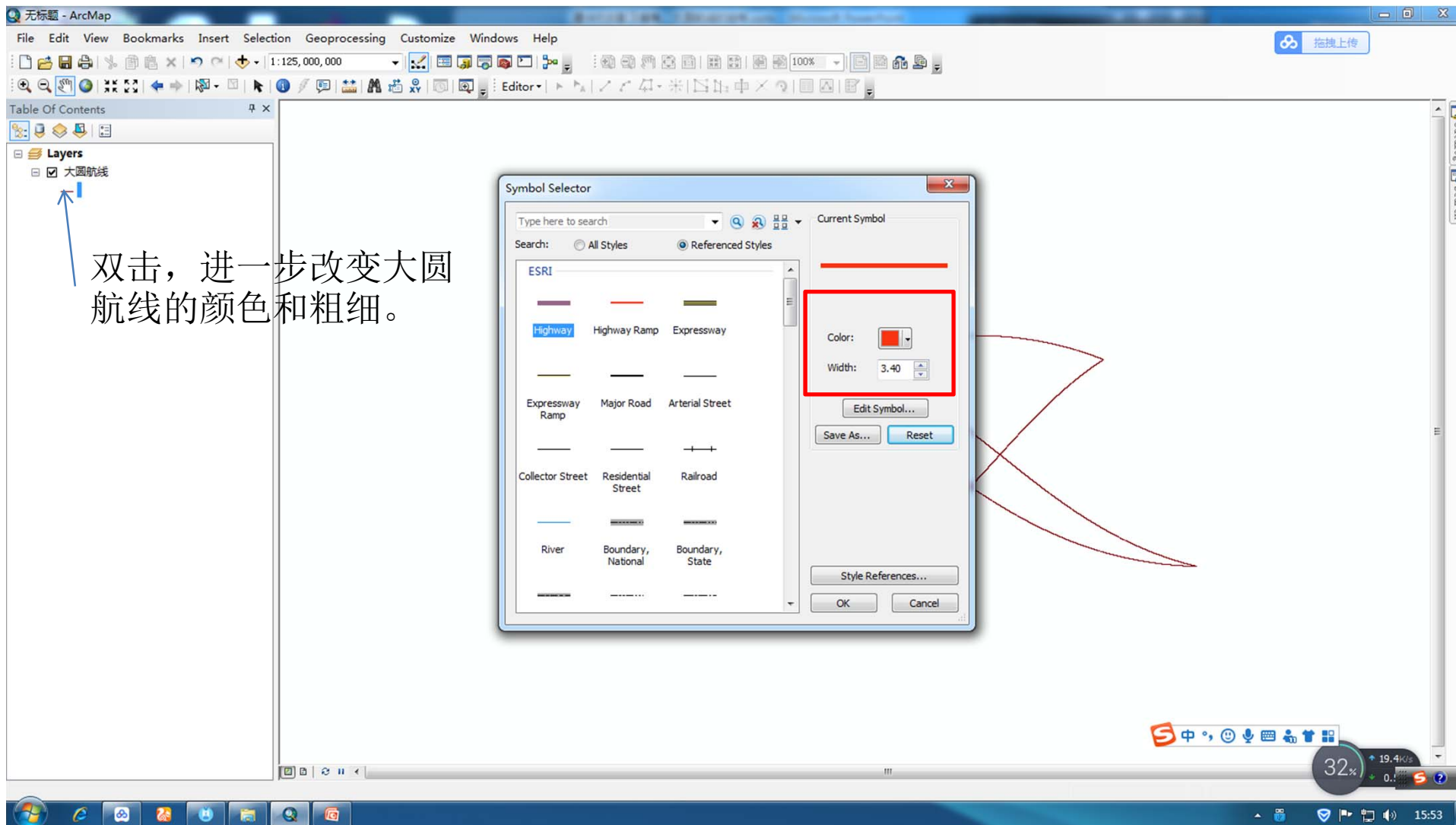
- 5 输入航线文件
- 6 确定结果文件（大圆航线）的保存路径和文件名
- 7 出发地经度（longitude1）
- 8 出发地纬度（latitude1）
- 9 目的地经度（longitude2）
- 10 目的地纬度（latitude2）
- 11 Line Type: 线的类型
GREAT_CIRCLE
- 以下取默认值

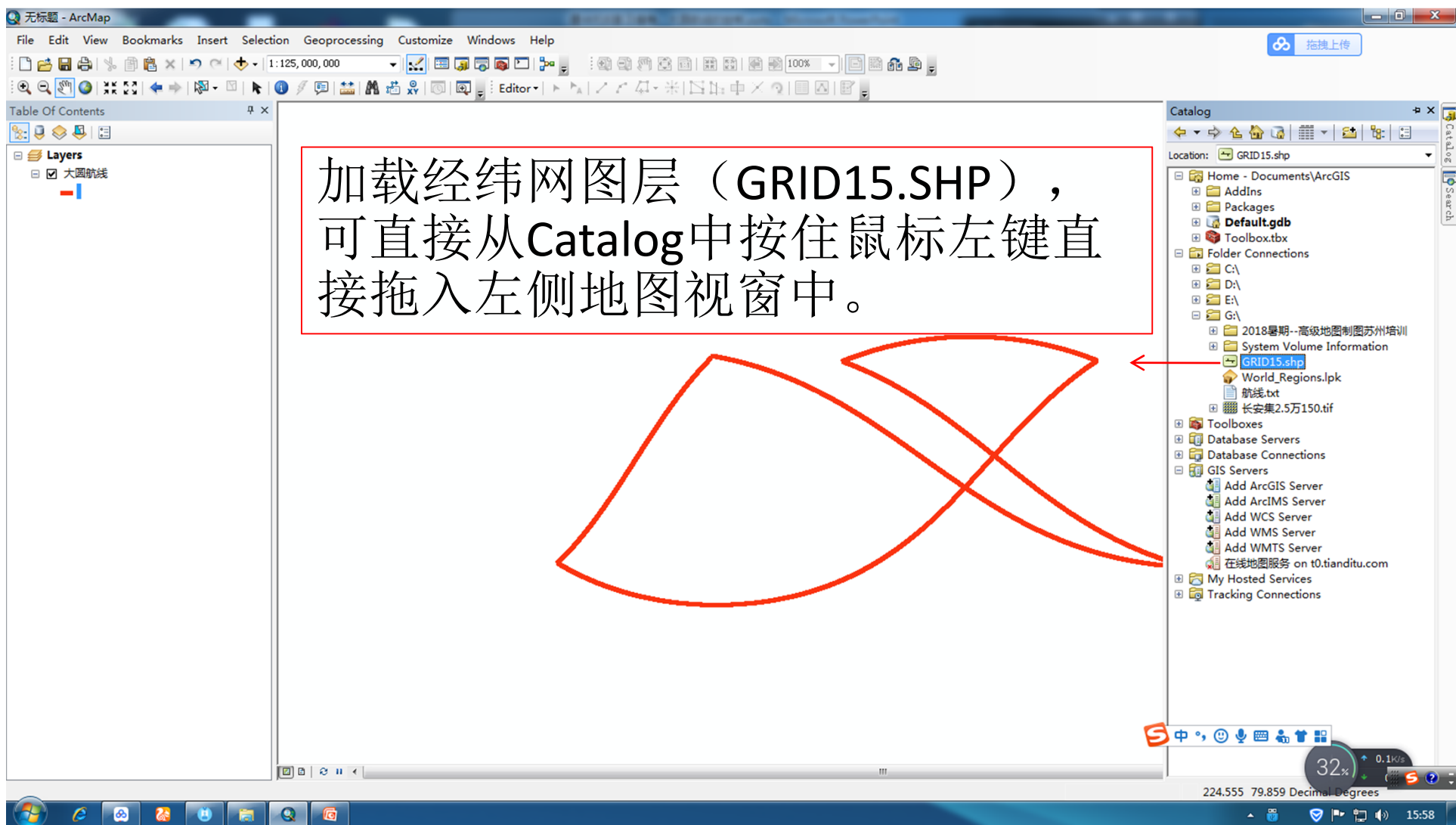


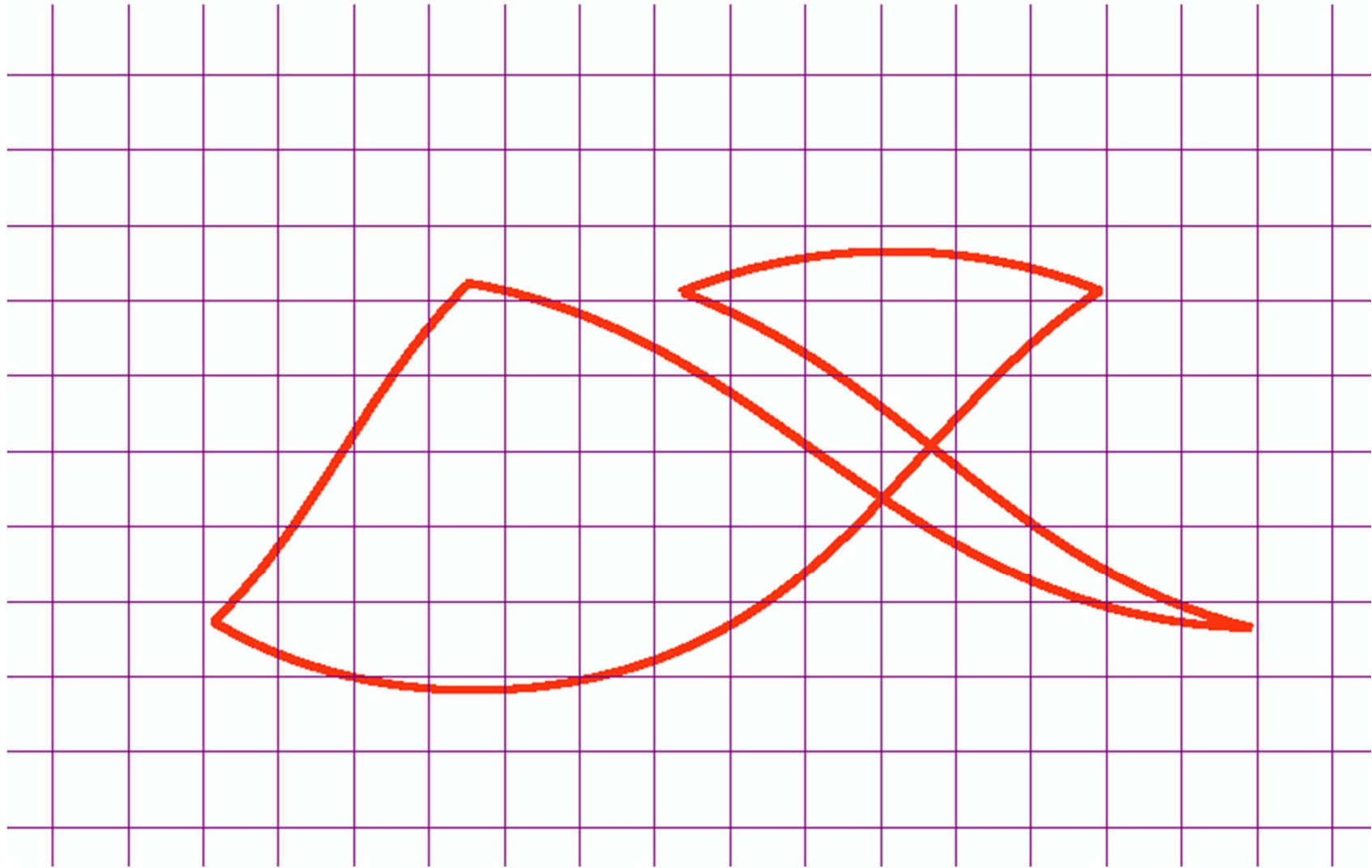
航线文件所在文件夹（因人而异）

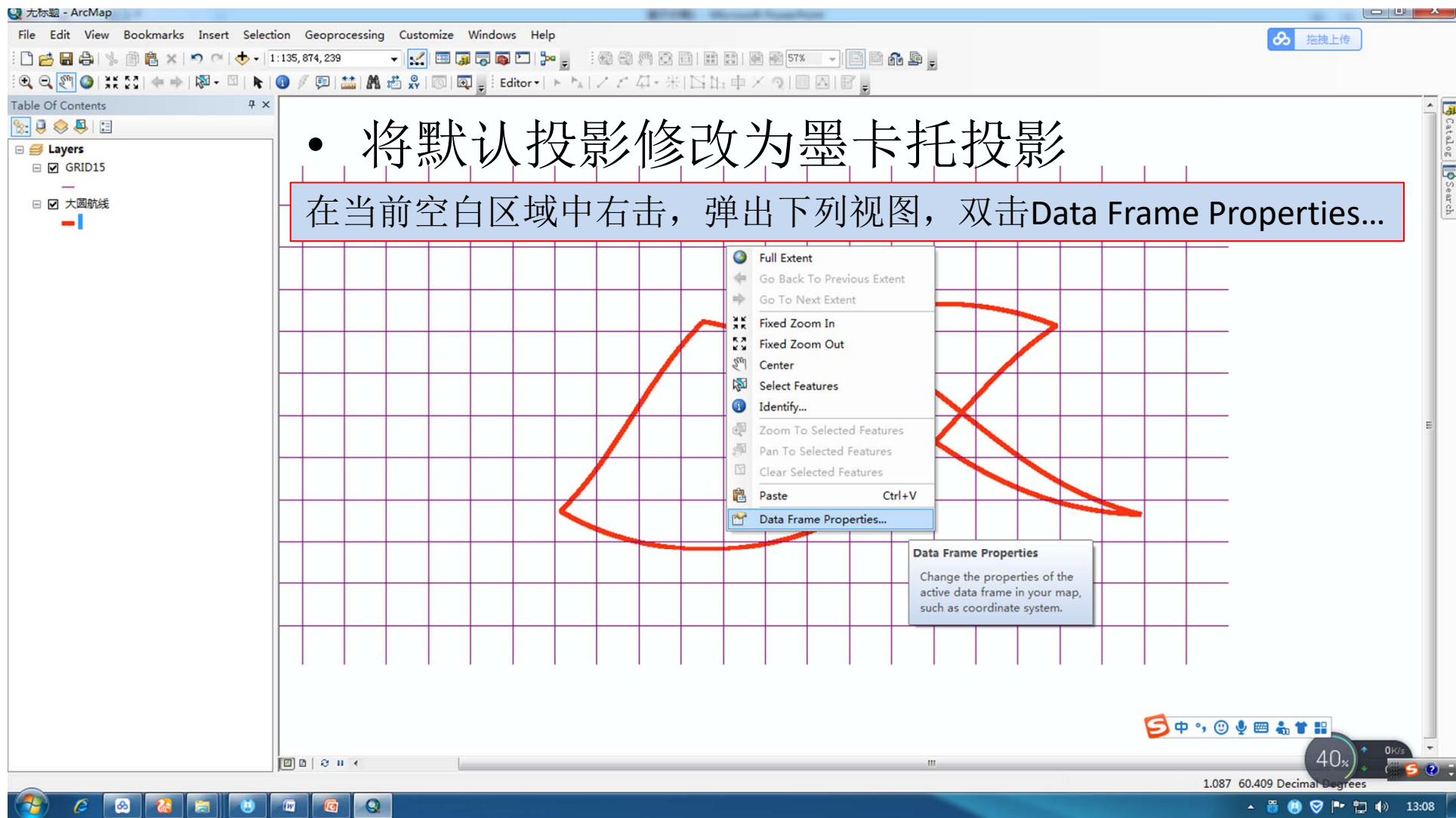


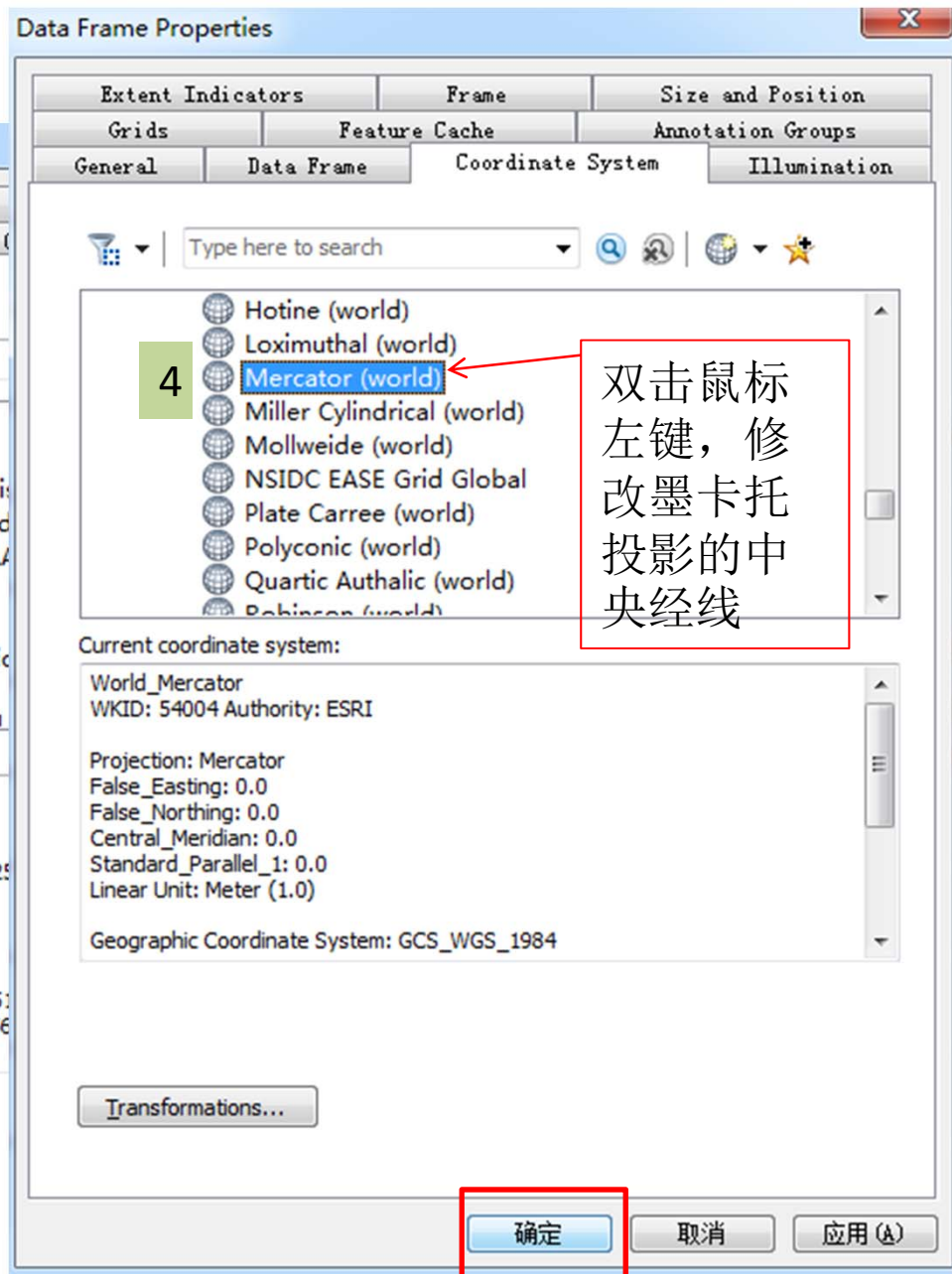
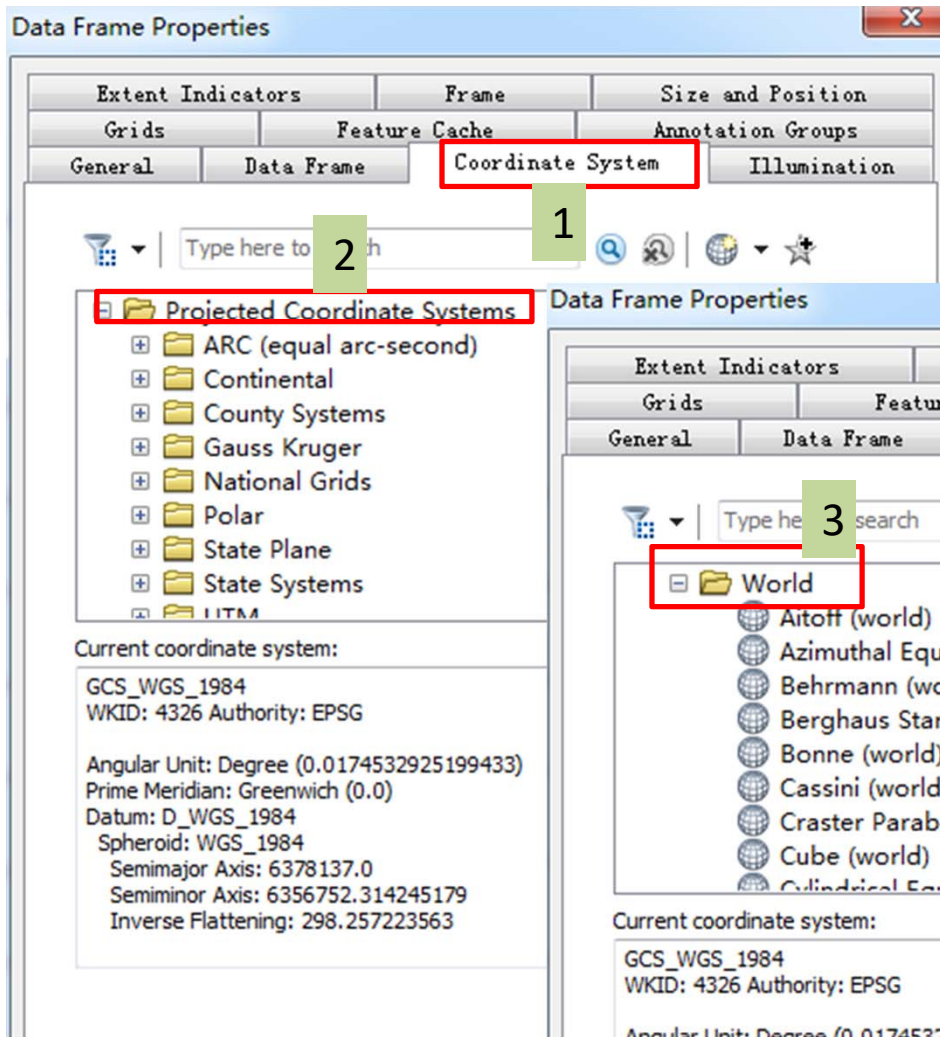


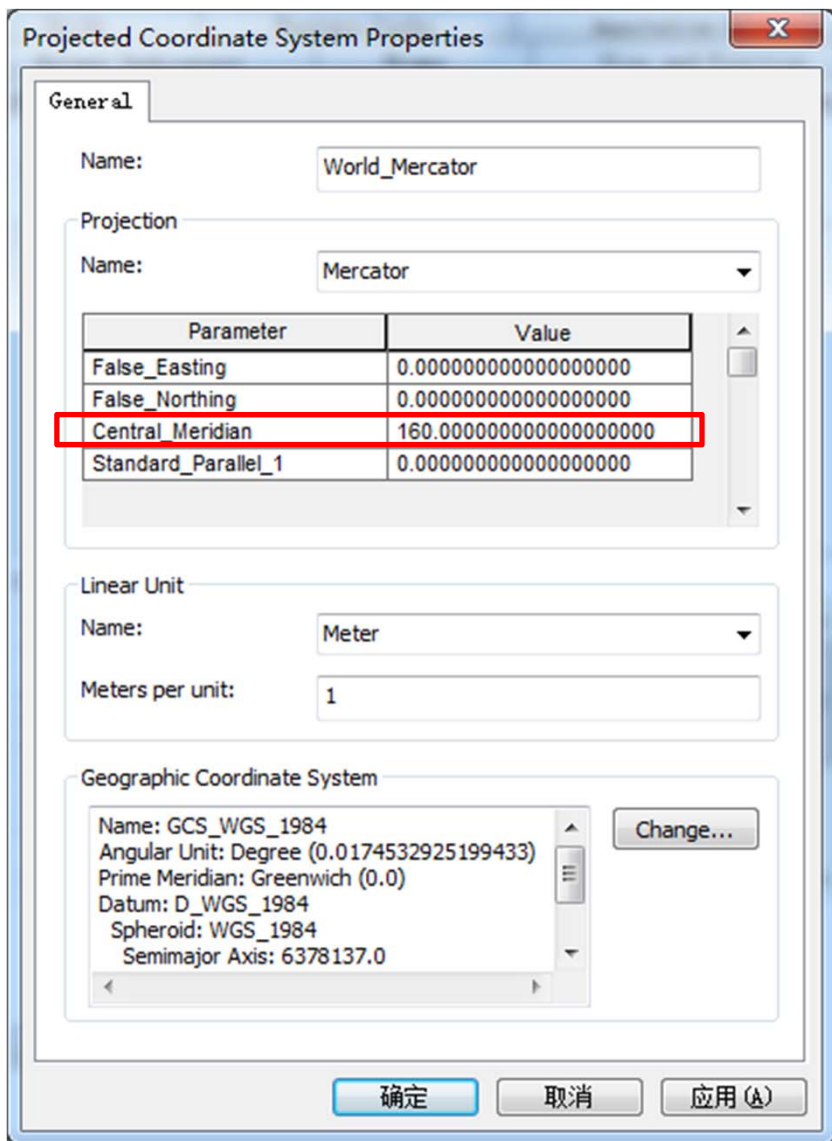




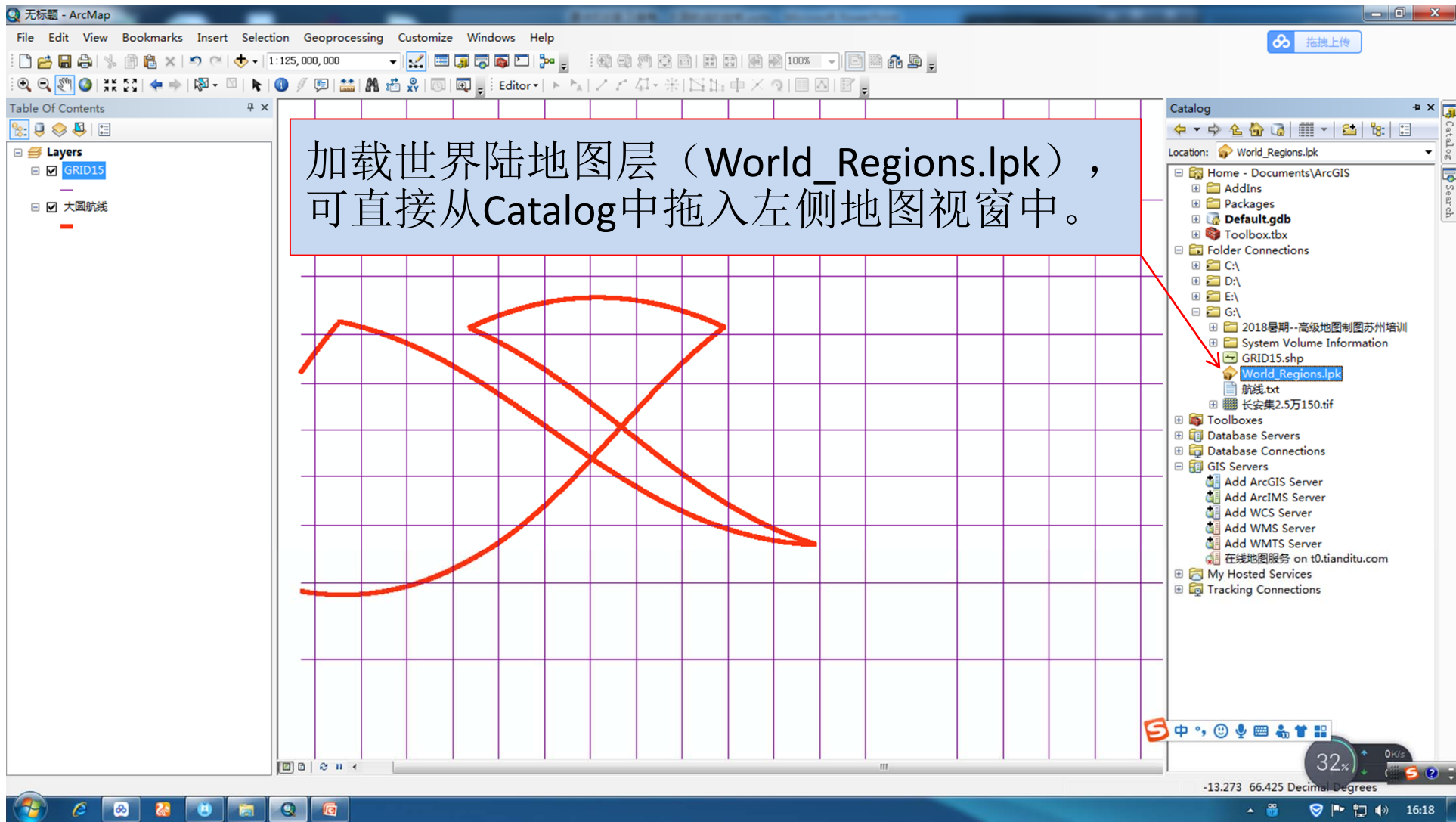


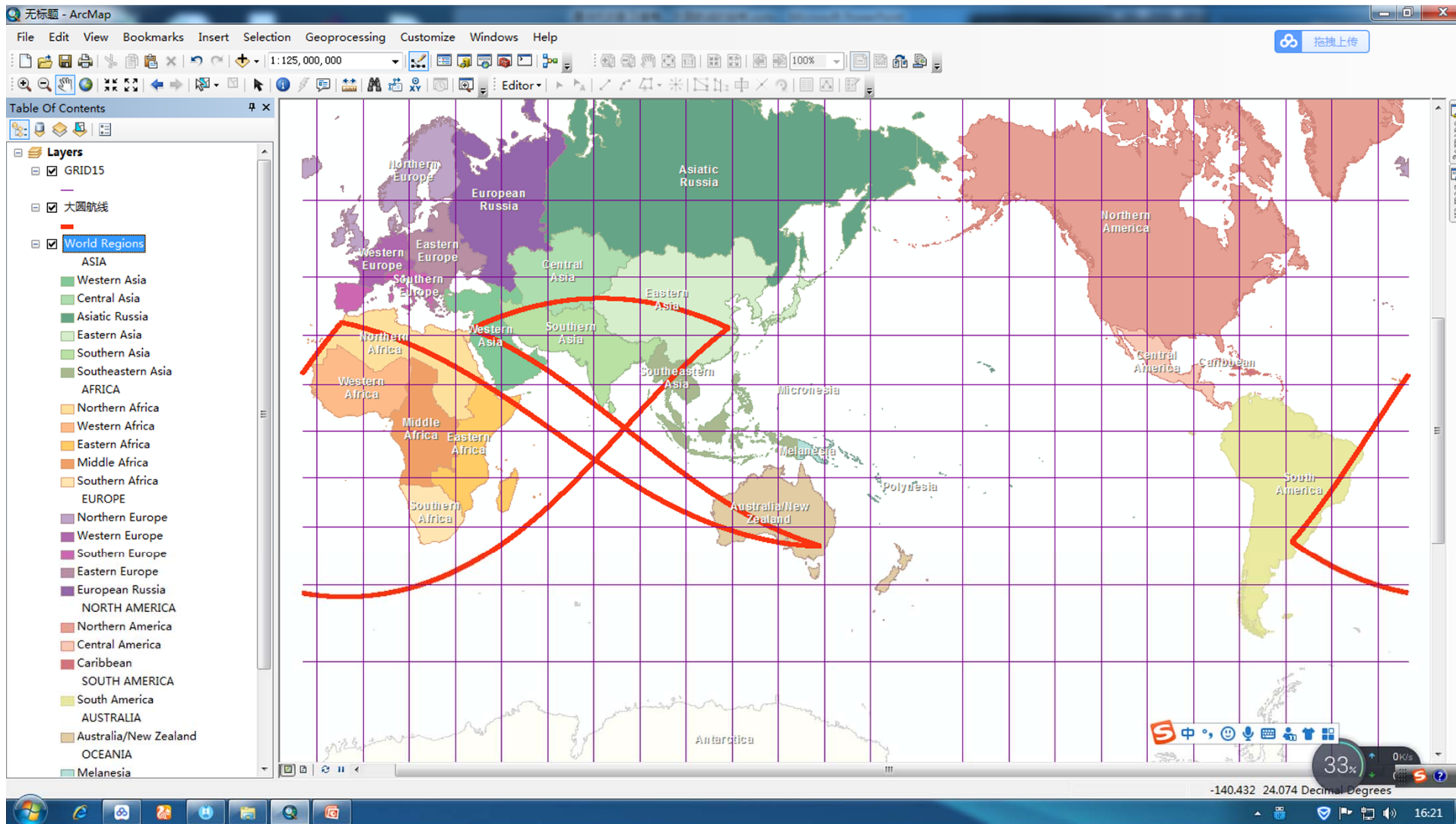




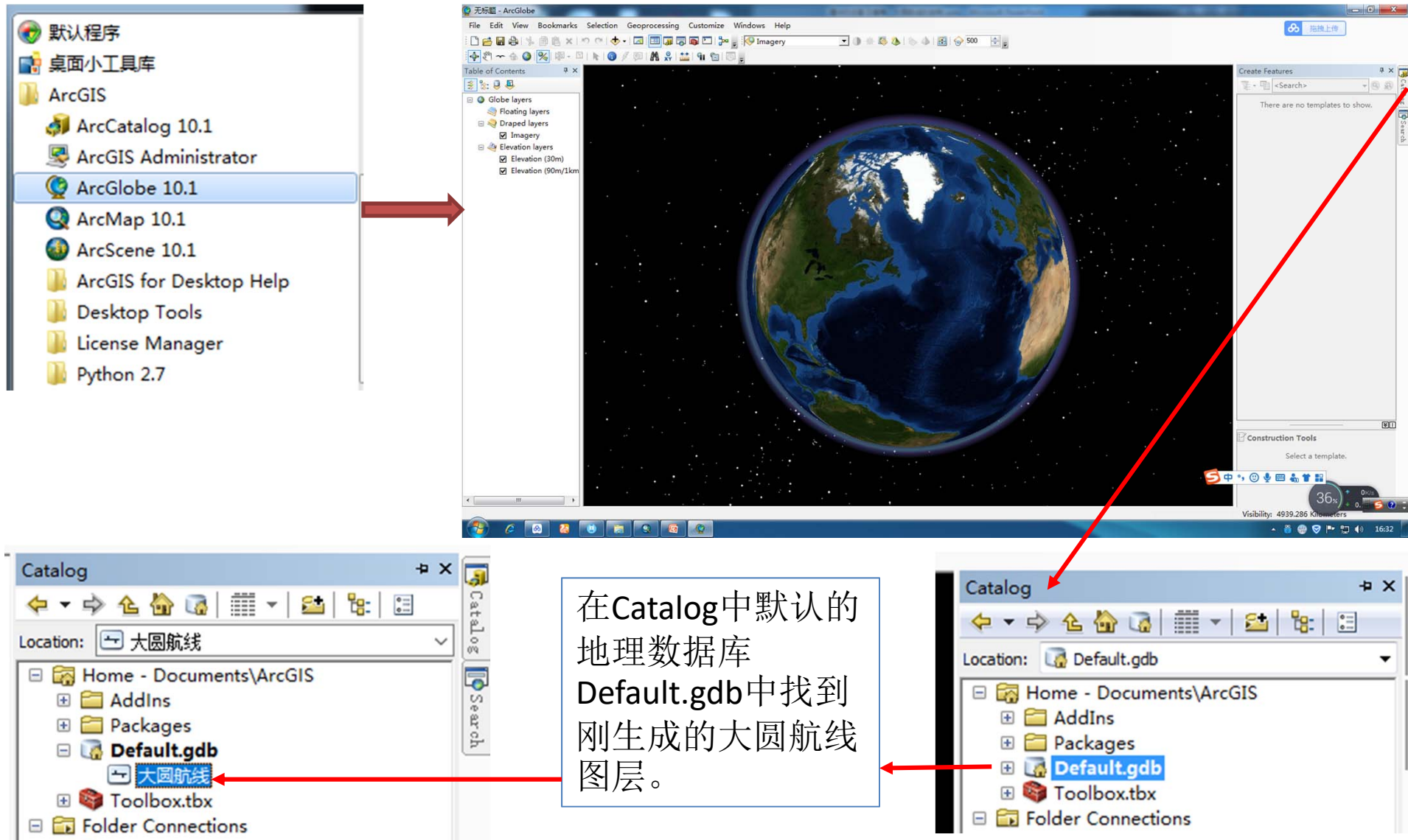


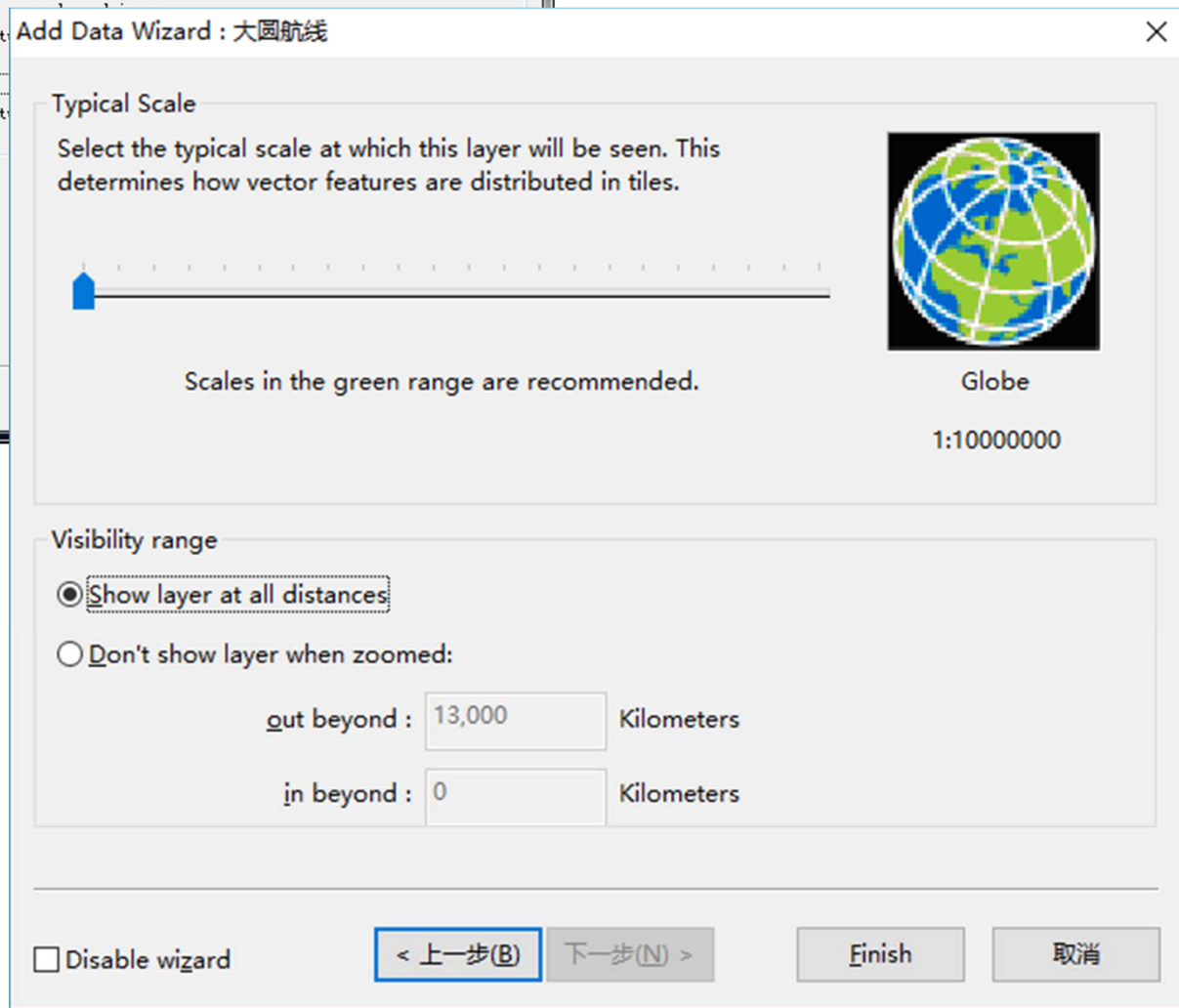
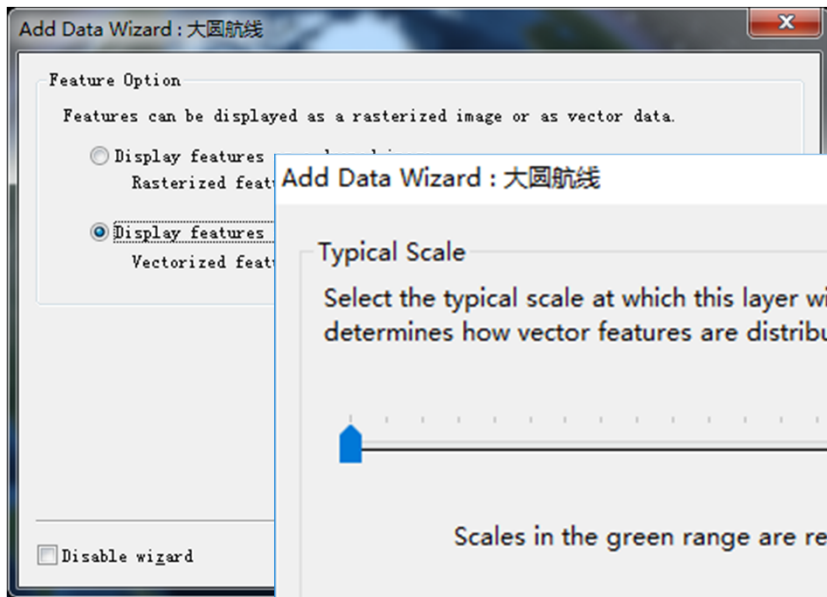
- 左键点击输入，将中央经线(Central Meridian)从 0° 调整至 160° E，与教材60页图2-30的投影参数一致。



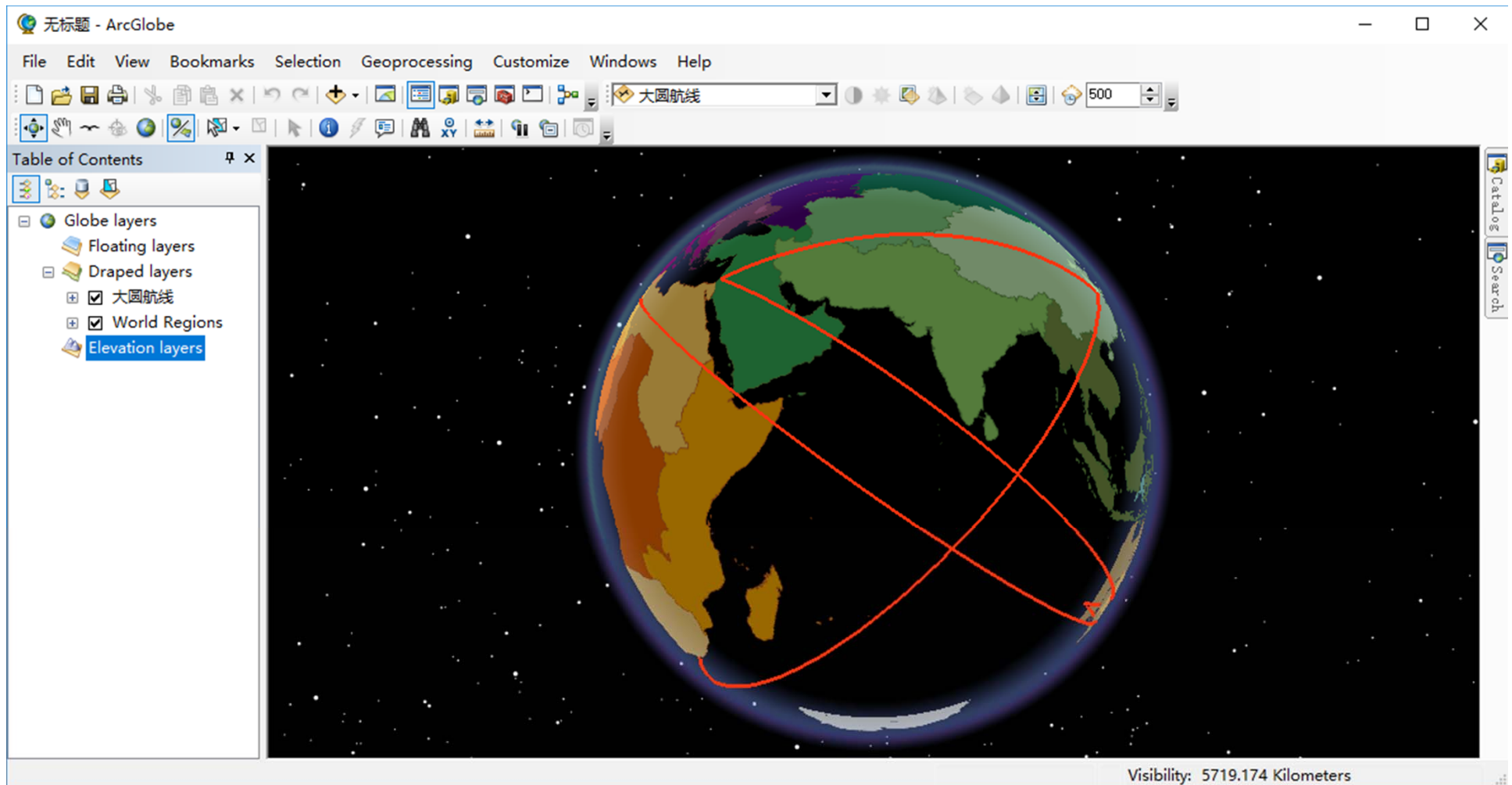


- 可将刚才生成的大圆航线图层加载到ArcGlobe中生成显示，可进一步转动地球，仔细查看球面上的大圆航线。

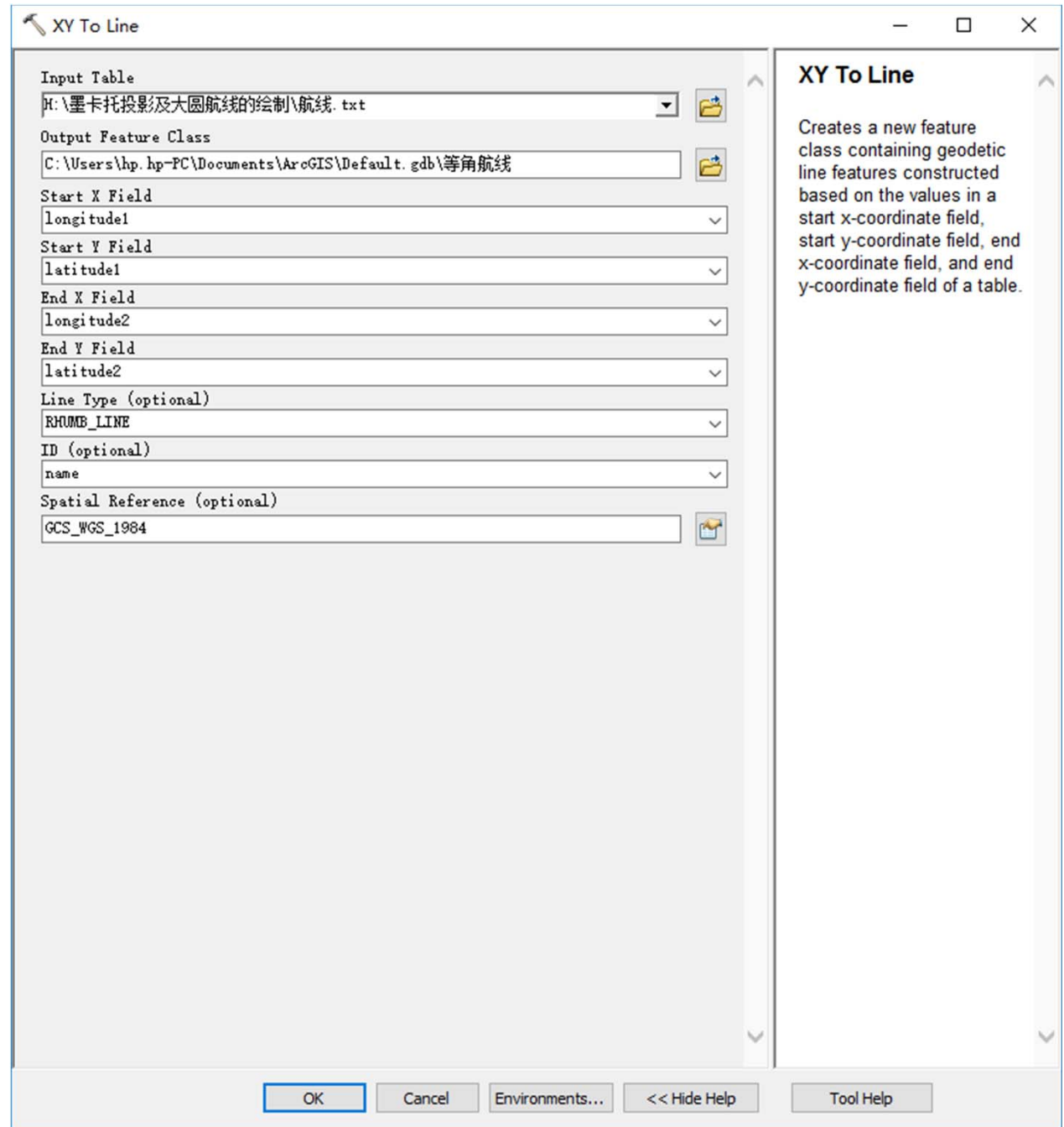




也可把世界陆地图层（World_Regions.lpk）加载进来，直接从Catalog中拖入左侧地图视窗中，用  拨动地球，从各个不同角度观察大圆航线。



- 等角航线
RHUMB_LINE
(loxodrome
line)



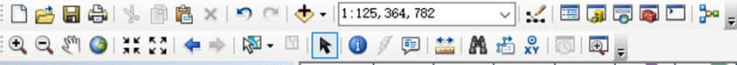
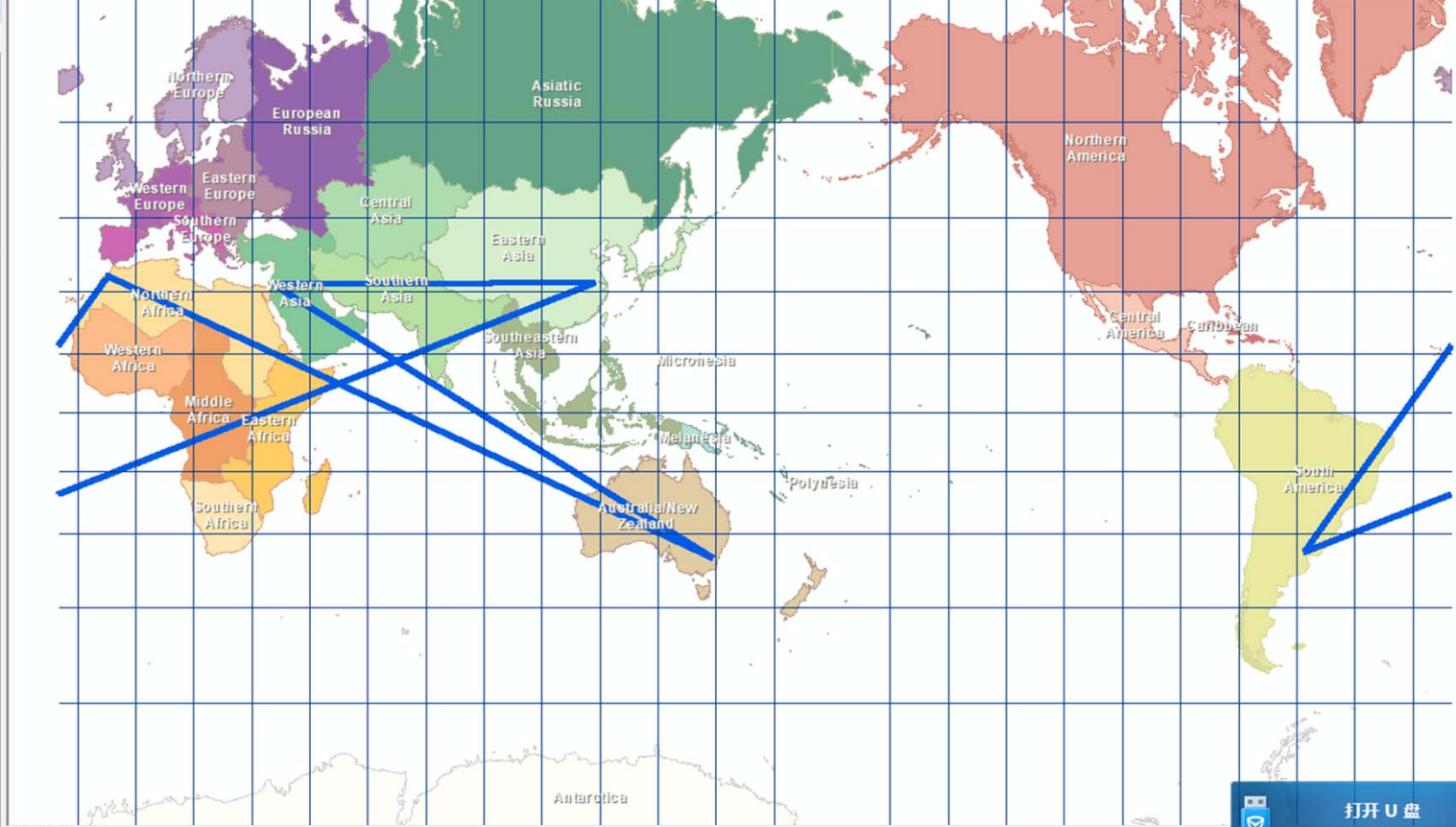


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 - GRID15
 - C:\Users\hp.hp-PC\Documents\
 - 等角航线
 - 大圆航线
 - C:\Users\hp.hp-PC\Documents\
 - World Regions



打开 U 盘
(H:) 可用:5.5G



在线中文帮助文档

http://desktop.arcgis.com/zh-cn/arcmap/

The screenshot shows the ArcGIS Desktop website in Chinese. The browser address bar displays the URL <http://desktop.arcgis.com/zh-cn/arcmap/>. The page header includes navigation links for ArcGIS Desktop, ArcGIS Pro, and ArcMap, along with a search bar, a login button, and a language selector set to '简体中文'. The main navigation menu is highlighted in blue, with the '工具' (Tools) item circled in red. Below the navigation menu, the page content includes a version update notice (10.6.1 released in July 2018, replacing 10.5.1 from June 2017), a brief description of ArcMap's capabilities, and a prominent orange '获取 ARCMAP' (Get ArcMap) button. On the right side, there are two promotional boxes: '探索 ArcGIS Pro' (Explore ArcGIS Pro) with a '转到 ARCGIS PRO' (Go to ARCGIS PRO) button, and '您是 ArcGIS 的初学者?' (Are you a beginner to ArcGIS?) with an '访问 LEARN ARCGIS' (Visit LEARN ARCGIS) button. At the bottom, there are two featured sections: '构建地图' (Build Maps) and '执行分析' (Execute Analysis), each with a representative image and a short description of their functions. A cookie consent banner is visible at the very bottom of the page.

最强大脑挑战项目一—地图投影

无标题 - ArcMap

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:250,000,000

在当前空白区域中右击，弹出下列视图，双击Data Frame Properties...

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 - Caribbean
 - SOUTH AMERICA

Full Extent
Go Back To Previous Extent
Go To Next Extent
Fixed Zoom In
Fixed Zoom Out
Center
Select Features
Identify...
Zoom To Selected Features
Pan To Selected Features
Clear Selected Features
Paste Ctrl+V
Data Frame Properties...

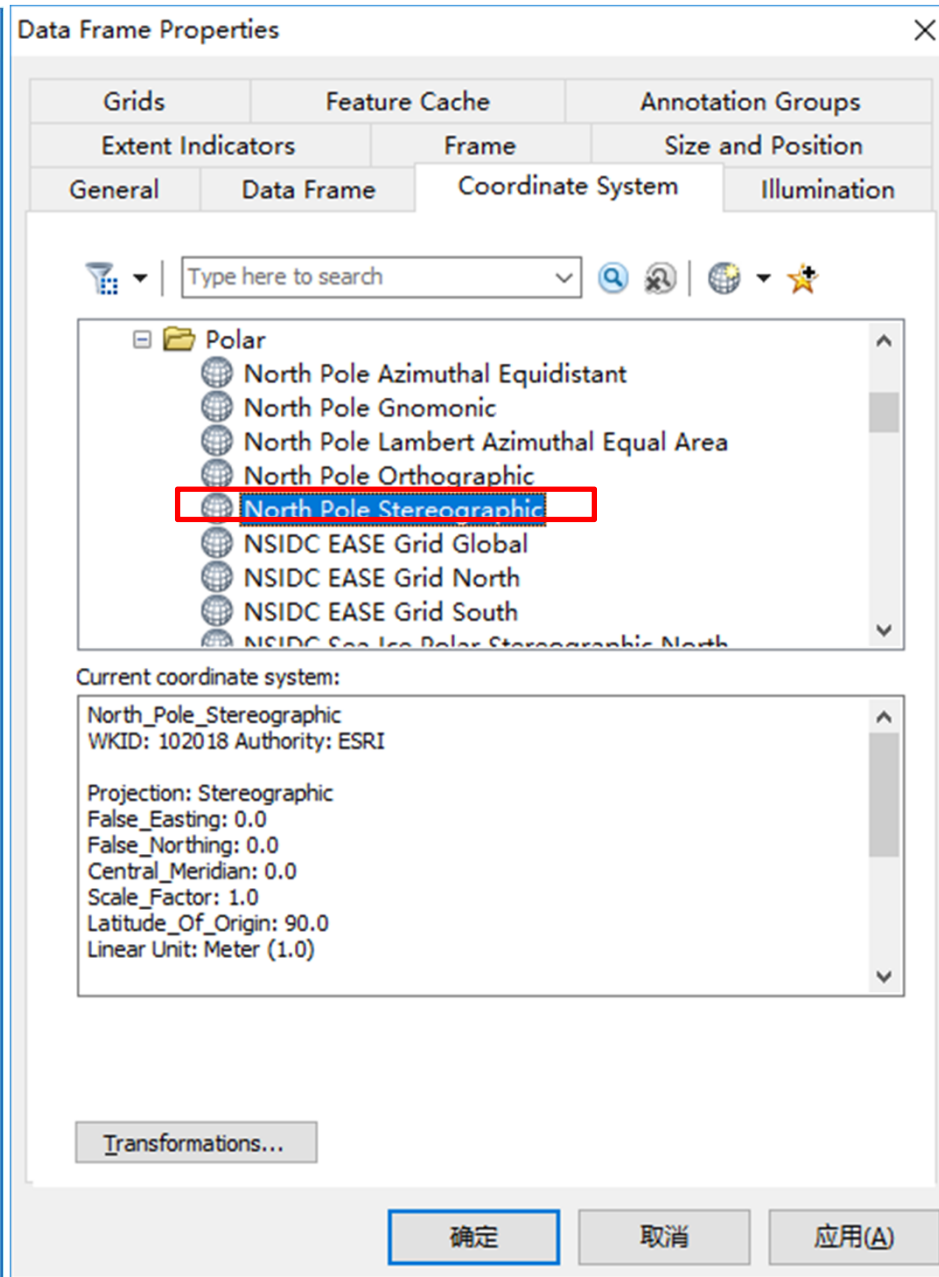
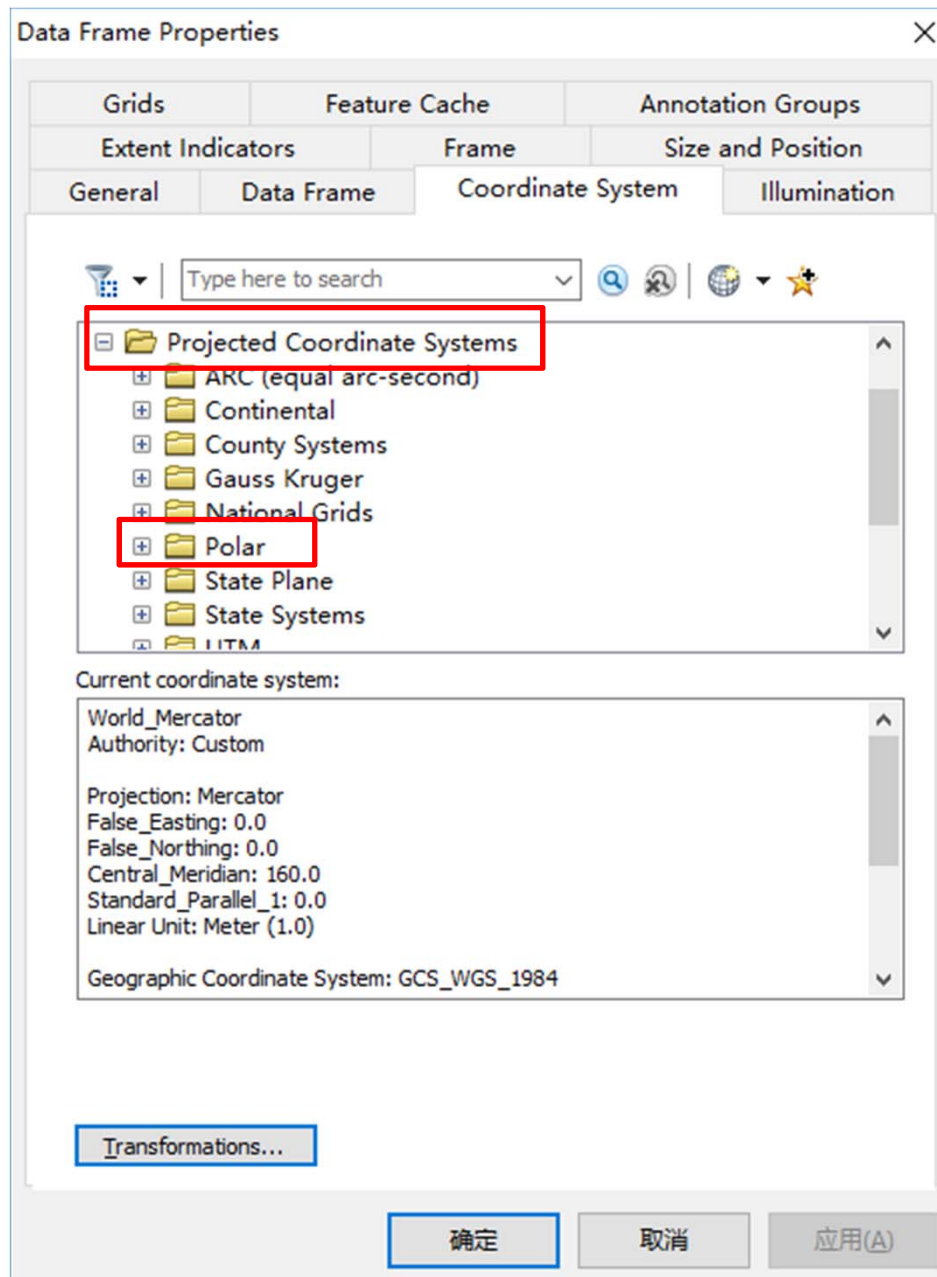
Data Frame Properties
Change the properties of the active data frame in your map, such as coordinate system.

127.629 88.434 Decimal Degrees

22:53
2018/10/31

间A设

- 以下操作是将投影更改成节目中的球面方位投影（Stereographic Projection），投影点在刘指导选的（ 175° ， -39° ）
- Projected Coordinate Systems投影坐标系统
 - Polar（极区）
 - North_Pole_Stereographic（双击该投影名字，进去修改参数，将投影中心更改为 175° ， -39° ）



Projected Coordinate System Properties

General

Name: 斜方位_Stereographic (球面) |

Projection

Name: Stereographic

Parameter	Value
False_Easting	0.000000000000000000
False_Northing	0.000000000000000000
Central Meridian	175.0000000000000000
Scale_Factor	1.000000000000000000
Latitude_Of_Origin	-39.0000000000000000

Linear Unit

Name: Meter

Meters per unit: 1

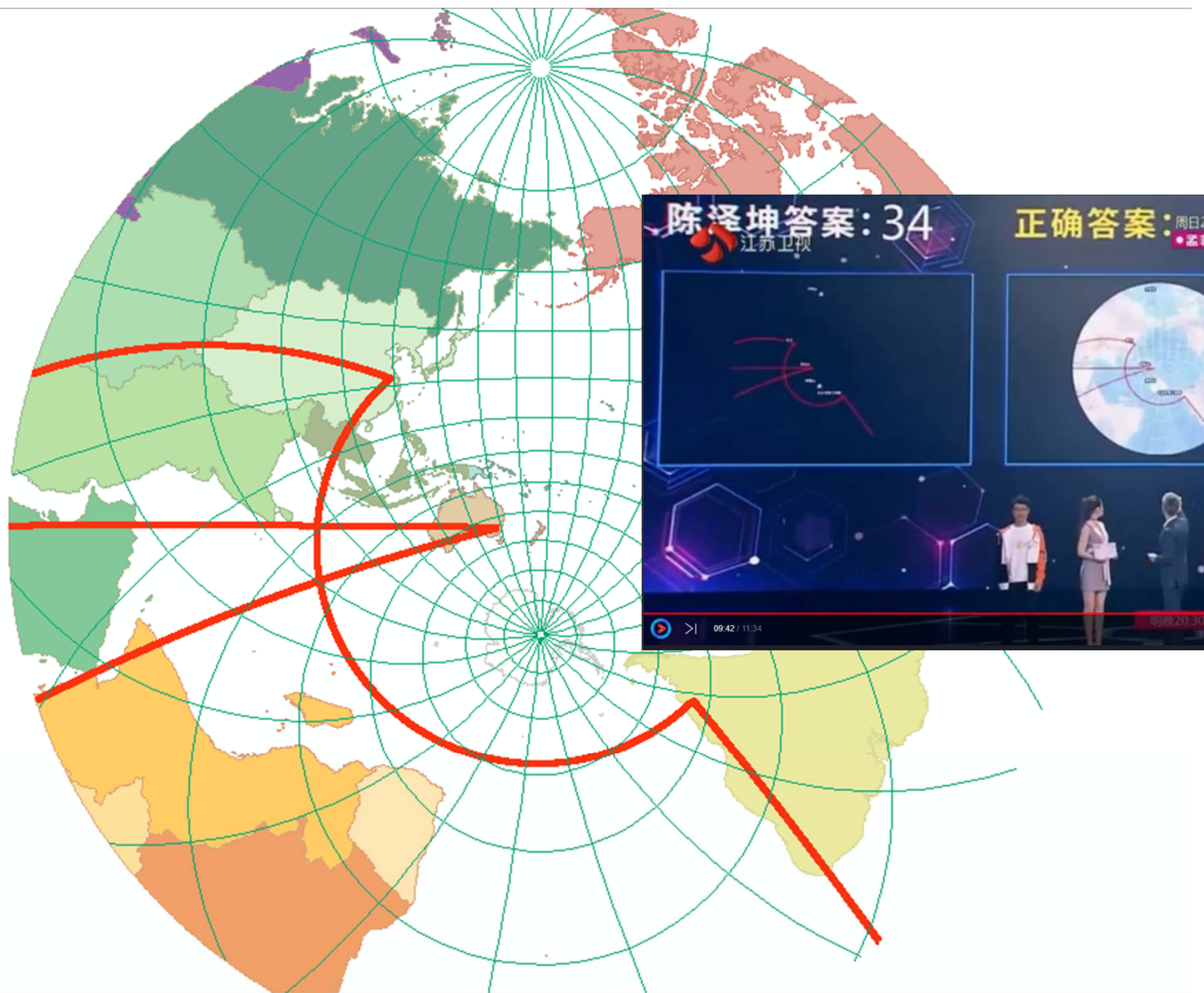
Geographic Coordinate System

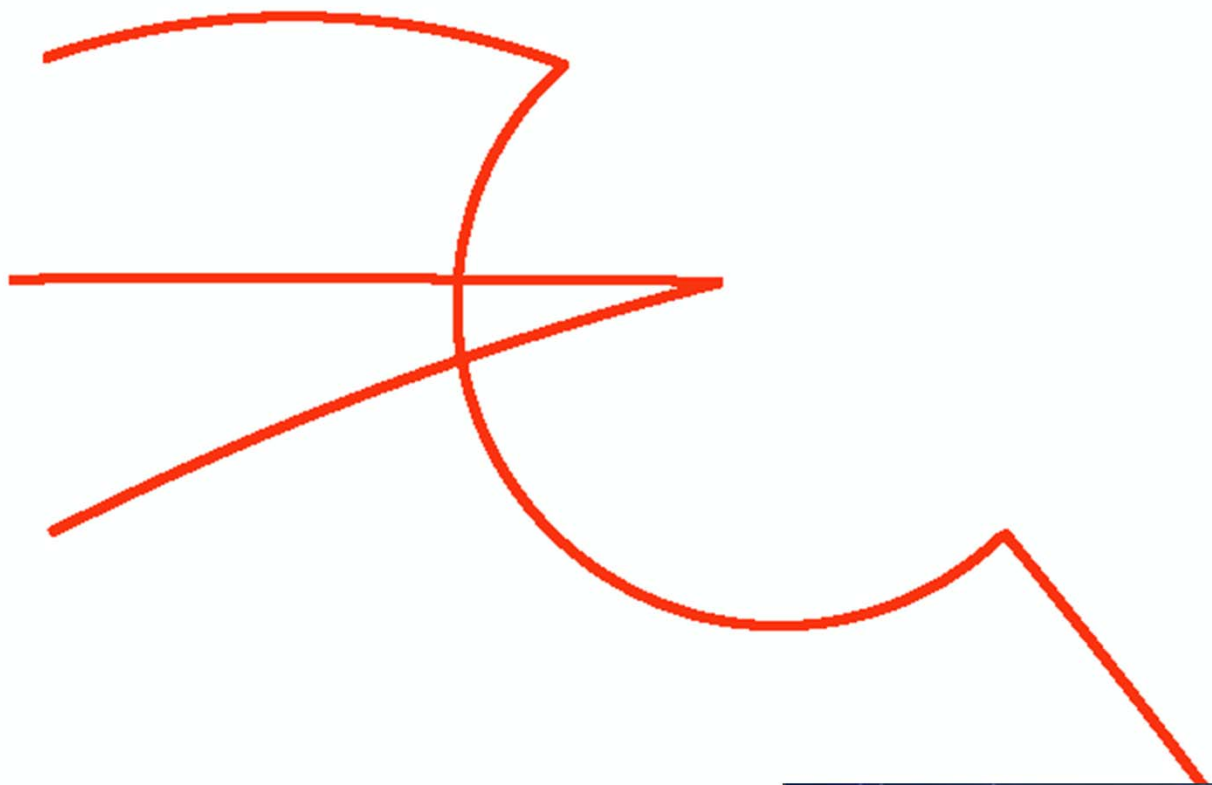
Name: GCS_WGS_1984
Angular Unit: Degree (0.0174532925199433)
Prime Meridian: Greenwich (0.0)
Datum: D_WGS_1984
Spheroid: WGS_1984
Semimajor Axis: 6378137.0

Change...

确定 取消 应用(A)

结果图





陈泽坤答案: 34 江苏卫视

正确答案: 周日21:10《新相亲时代》
孟非支招 应对强势异性

孙勇答

09:42 / 11:34

今晚20:30 非诚勿扰 女生团与男嘉宾互动

倍速 标清

大圆航线在球心方位投影图上为直线

