

Map Projections and Datums: Why My Data Doesn't Line Up

Goals of the workshop

- Understand various reasons why data doesn't line up
- How to solve the problem

Demonstration will include

- Data that doesn't line up

Related sessions

NOTE: Some occur before this session

Tuesday, 10:15AM – 11:30AM: *Coordinate Systems and Datum Transformations in Action*. In SDCC Room 6F.

Wednesday, 10:00AM – 12:00PM: Meet the map projection team at the Geodatabase Management island in Hall C.

Wednesday, 1:30PM – 1:50PM: *Why my data doesn't line up*. In SDCC Room 6A. Techniques for working with data that doesn't line up.

Wednesday, 3:15PM – 4:30PM: *Coordinate Systems and Datum Transformations in Action*. In SDCC Room 6F.

Reference Material

Flacke & Kraus. *Coordinate Systems in ArcGIS*

Elithorp & Findorff. *Geodesy for Geomatics and GIS Professionals*

Snyder & Voxland. *An Album of Map Projections*. **USGS PP 1453** (<http://infotrek.er.usgs.gov/pubs>)

Iliffe. *Datums and Map Projections*

Maier. *Lining Up Data in ArcGIS*

Meyer. *Introduction to Geometrical and Physical Geodesy*

Knowledge Base articles at <http://support.esri.com> (enter the ID numbers as a search term)

- **23025, 29129, 24893, 29035, 17420**

<http://www.epsg.org> and <http://www.epsg-registry.org>

- Database of coordinate systems and datums
Guidance Notes