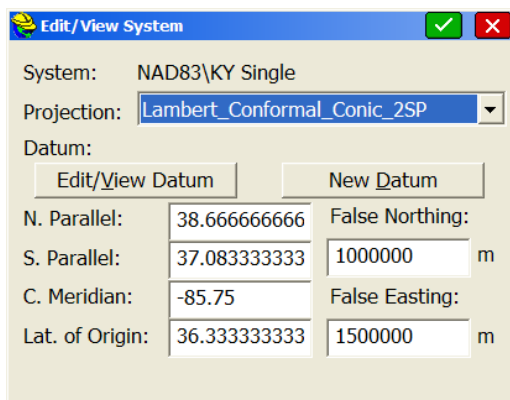
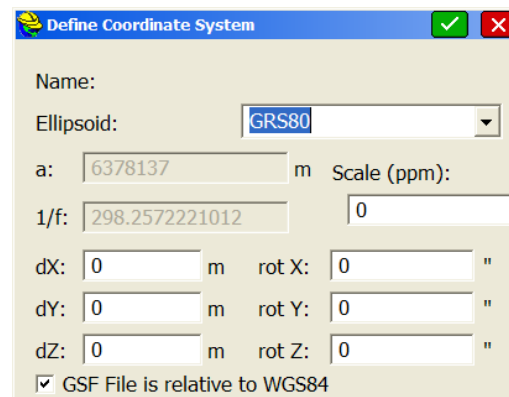


Adding in a “NAD83 – Kentucky Single Zone” GPS projection into Carlson SurvCE

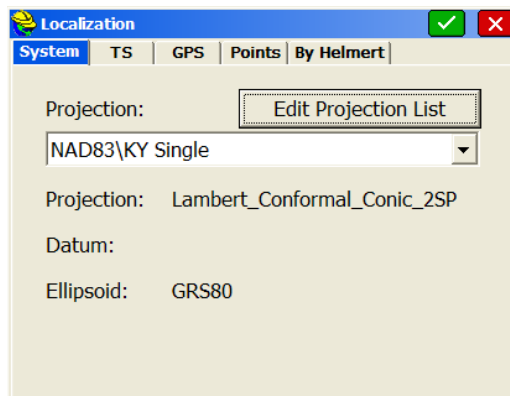
- 1) Tap the Equip tab / Localization / System tab
- 2) tap “Edit Projection List”
- 3) Tap “Add User Defined”
- 4) Type in “**NAD83\KY Single**” {without the quotes} for the system name
- 5) The tap the pulldown list to set the projection to “**Lambert_Conformal_Conic_2SP**”
- 6) Tap “Edit/View Datum” = change the Ellipsoid to “**GRS80**” / tap the Green Check
- 7) Now fill out the 6 boxes below as follows:
N. Parallel: **38.666666667**
S. Parallel: **37.0833333333**
C. Meridian: **-85.75**
Lat. of Origin: **36.3333333333**
False Northing: **1,000,000**
False Easting: **1,500,000**
- ***PLEASE NOTE: the Lat_Longs are in decimal degrees and False North_East are in meters
- 8) After typing in all these values Tap the Green Check in the upper right to save your changes
- 9) Tap the Green Check again to set “NAD\KY Single” as your current projection
- 10) Now you can tap Green Check a final time and use your RTK FIXED Rover to stakeout a known “Kentucky Single Zone” monument to make sure the Projection is setup properly.



System: NAD83\KY Single
Projection: Lambert_Conformal_Conic_2SP
Datum:
Edit/View Datum New Datum
N. Parallel: 38.666666666 False Northing: 1000000 m
S. Parallel: 37.083333333 False Easting: 1500000 m
C. Meridian: -85.75
Lat. of Origin: 36.333333333



Name:
Ellipsoid: GRS80
a: 6378137 m Scale (ppm): 0
1/f: 298.2572221012
dX: 0 m rot X: 0 "
dY: 0 m rot Y: 0 "
dZ: 0 m rot Z: 0 "
 GSF File is relative to WGS84



System TS GPS Points By Helmert
Projection: Edit Projection List
NAD83\KY Single
Projection: Lambert_Conformal_Conic_2SP
Datum:
Ellipsoid: GRS80