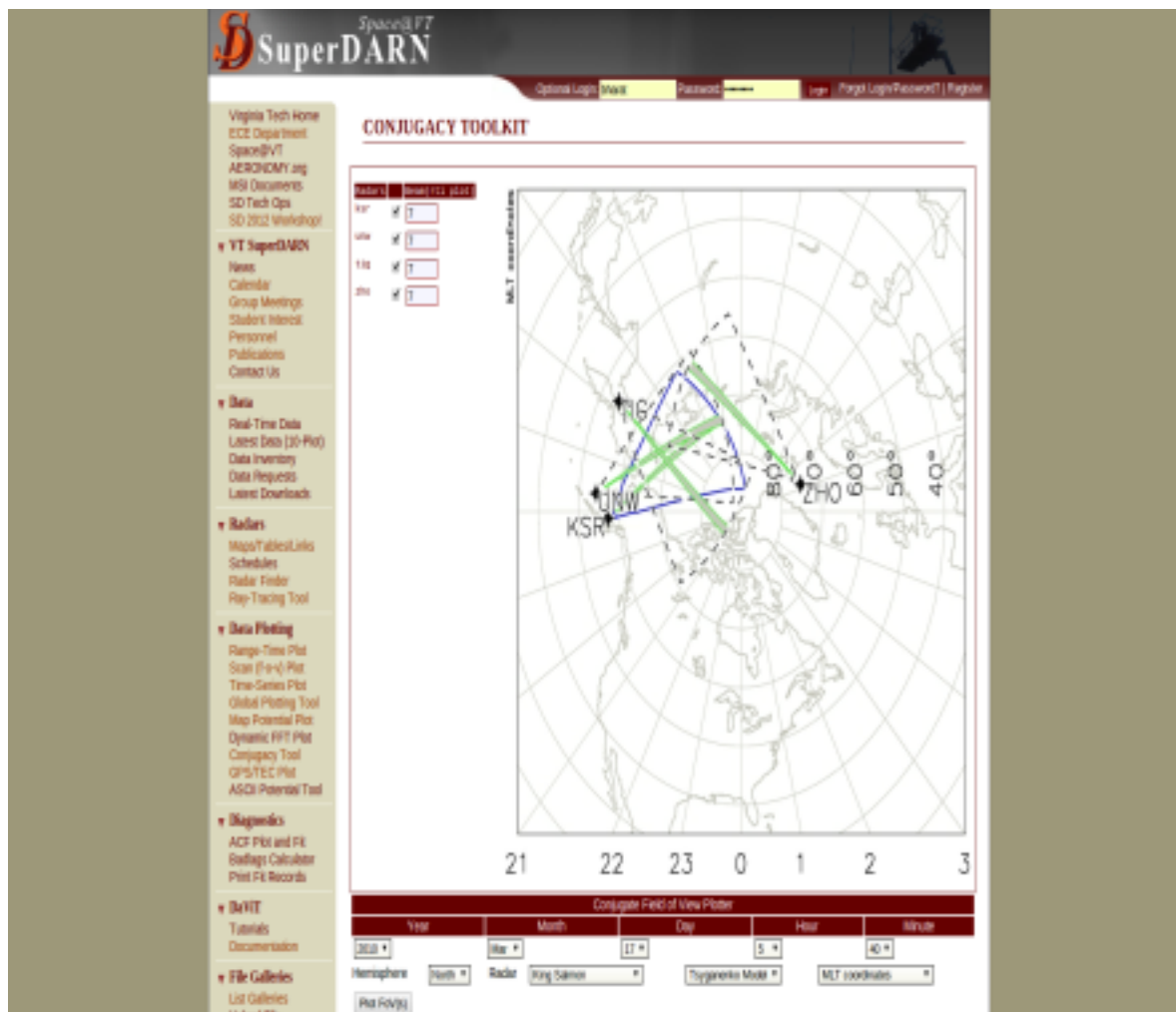


## Conjugacy Tools - VT SuperDARN website

The VT SuperDARN website provides a set of conjugacy tools to identify radars with magnetically conjugate fields-of-view and plot the data observed in the radars from both hemispheres simultaneously. The tool consists of two sections - (1) Conjugate field-of-view plotter and (2) Data plotter.

### (1) Conjugate field-of-view plotter

In this part of the tool, the user can select a radar from any hemisphere and identify the radars from the other hemisphere whose fields of view are conjugate to the selected radar. An example is shown below, southern hemisphere radars (black dotted lines) conjugate to the KSR radar (solid blue line) in the northern hemisphere are plotted.



The table to the left of the figure gives the names of the radars. The desired radars can be selected to plot data.

## (2) Data plotter

In this part, the user can plot the data from the selected radars. Various options are provided to view the data such as range-time plot, field-of-view(scan) plot, gridded line-of-sight velocity plot and the map-potential plot. Example snapshots are shown below.

