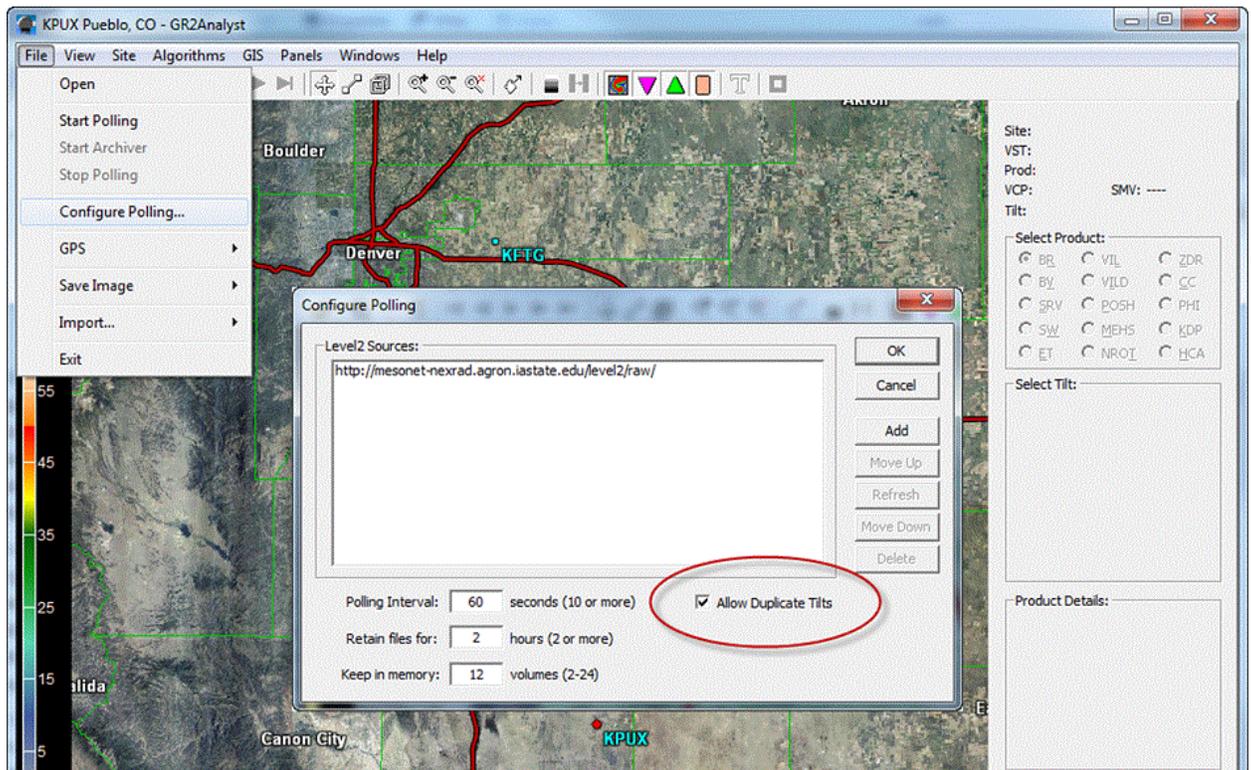


SAILS and GR2Analyst

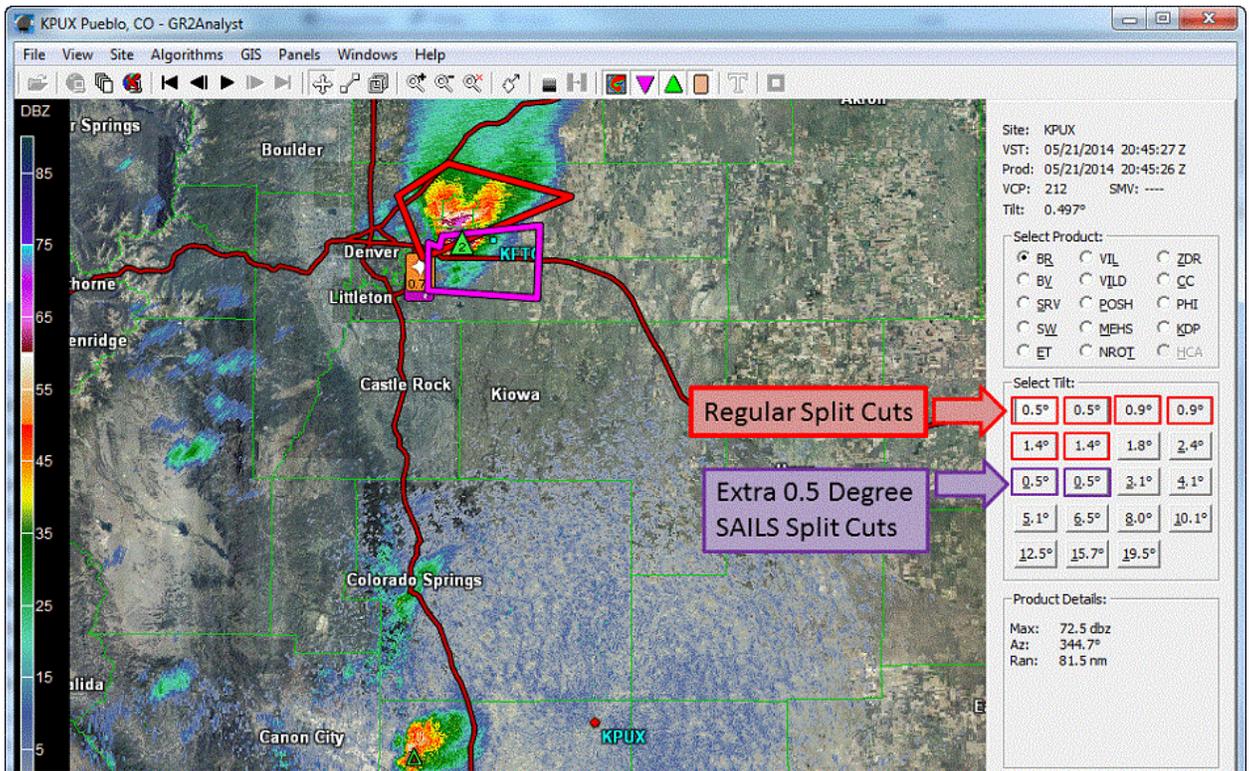
This document is a supplement to the [SAILS Familiarization in AWIPS Course](#) in the NWS Learning Center. For questions, contact Mike Magsig at WDTB (Michael.A.Magsig@noaa.gov 405-325-2995).

SAILS adds an extra 0.5 degree tilt of data collection, and all this data is stored in the Level 2 file which is displayable by GR2Analyst. In RPG Build 14, the only products that can be created with the extra 0.5 degree tilt are Z, V, SRM, and SW. This is due to bandwidth concerns, and this is expected to change in future builds. Until then, applications that display Level 2 data, like GR2Analyst, are the only means to view the Dual Pol variables on the extra 0.5 degree SAILS tilt. This document contains instructions for how to view the extra SAILS 0.5 degree Dual-Pol data in GR2Analyst.

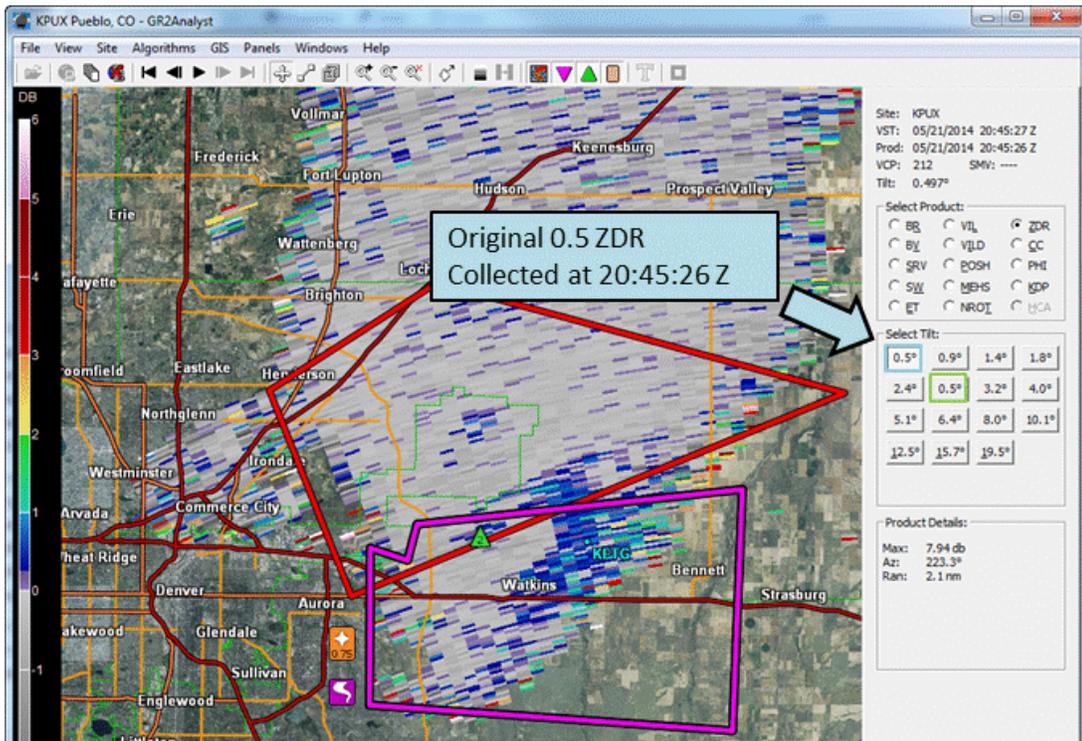
1. To view the extra SAILS tilt in GR2Analyst you must select the Allow Duplicate Tilts checkbox in Configure Polling before loading data:

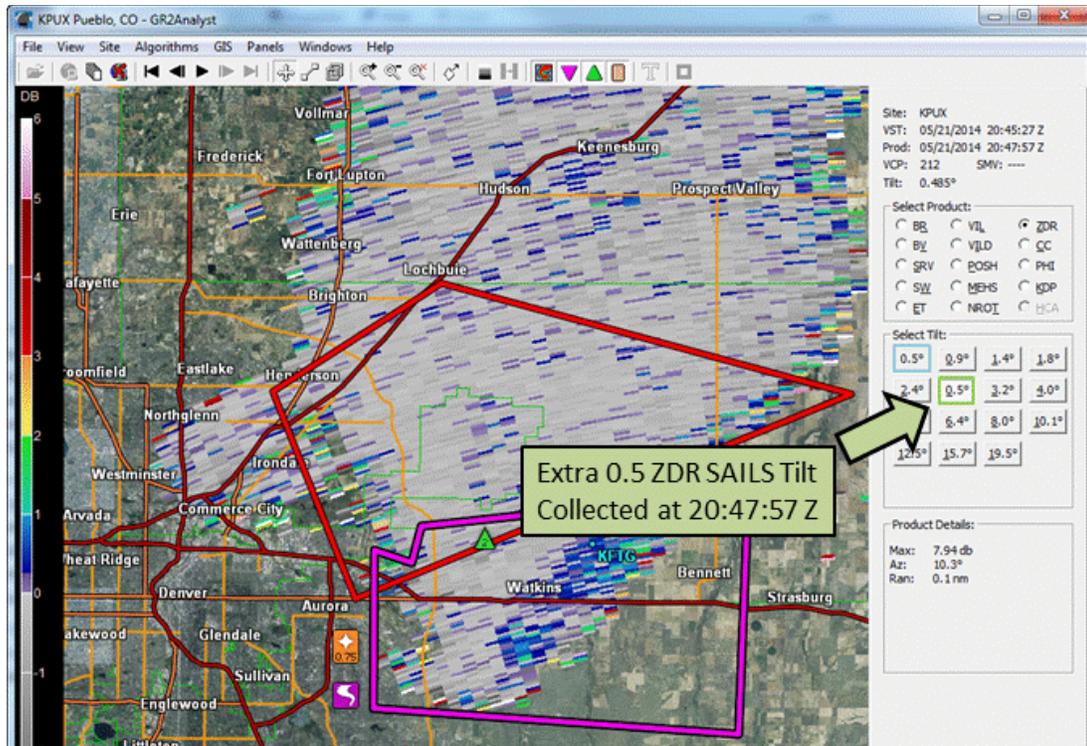


2. Once new data is loaded after the Allow Duplicate Tilts checkbox is selected, all duplicate tilts in a volume scan for a given product will be displayable. This includes the Split Cuts elevations and the extra 0.5 degree SAILS tilt. As you may remember from [DLOC Topic 3](#), the Split Cuts elevations are the lower tilts collected with the low PRF Contiguous Surveillance waveform for range folding and high PRF Contiguous Doppler waveform for Doppler and Dual Pol base data. In GR2Analyst the Select Tilts section contains an entry for each duplicate tilt in a volume scan (e.g. 0.5, 0.9, and 1.4 degrees below):



- Note that Z, V, SRM, and SW will have Split Cuts for both the extra SAILS tilt and the “regular” Split Cuts. Dual-Pol products are only created from the Contiguous Doppler waveform, so you will only see two 0.5 degree tilts:





- The ramification of having separate controls for each duplicate tilt is that you can't combine them into one loop. You can access them separately, or you can put them side by side in a multi-panel display:

