



RadarFX 1.4

Release Notes

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Systems Supported

RadarFX 1.4 is available for Windows 64-bit VC15. It is built using VR-Vantage 2.5 and requires version 7 - 20190725 of the makData common data package and sensorFxData-20190418.

Running RadarFX Server VC15

The VC15 version of RadarFX Server requires that the environment variable JRM_DATA_DIR be set to `../data/sensorFX`. To ensure that this environment variable is set, the Windows Start menu shortcut runs *radarFX.bat* instead of *radarFX.exe*. If you start RadarFX Server manually or create your own shortcut, use *radarFX.bat*, not *radarFX.exe*.

New Features

RadarFX 1.4 has the following new features:

- ♦ GeoTIFF is supported as a capture format.
Please note that the display is correct in QGIS, but Global Mapper has a display issue with displaying the file at the correct orientation and location.
- ♦ ISAR and MMW can now save images in NITF and GeoTIFF formats.
- ♦ The RadarFX Simple Client console displays the geocoordinates of NITF and GeoTIFF images.
- ♦ Added support for a video stream that is 32-bit floating point.
- ♦ Added support for 32-bit floating point raw 2 channel images as results for Radar requests.
- ♦ Added support for outputting the results of sensim into a texture. Added support for MMW requests. Updated simple client to support MMW and orientation offsets.
- ♦ Added support for Silverlining cloud to return accurate results in MMW radar mode.
- ♦ Added a parameter to MMW request so that the sky can be turned on or off using the request.

Documentation

RadarFX is built on top of VR-Vantage and SensorFX. *RadarFX Users Guide* describes how to use the RadarFX Server and RadarFX Client. VR-Vantage and SensorFX documentation is included with RadarFX and describes all other aspects of the application.

Fixed Bugs

- ♦ RadarFX Simple Client no longer forces the flip of the NITF image in RadarFX GUI. To flip the image, you must use the interface in VR-Vantage. 66459
- ♦ ISAR works with NITF metadata. There may be warning messages about coordinates that are not always correct. 66413
- ♦ Speedtrees are correctly shadowed in SAR mode with reasonable intensity. 64102
- ♦ When RadarFX Simple Client is set to receive a GeoTIFF or NITF image, it now displays correctly in the GUI. 61610

