



RadarFX 1.5 Release Notes

This release note contains the following release-specific information for RadarFX 1.5.

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Systems Supported

RadarFX 1.5 is built on VR-Vantage 3.0.1c. It is available for Windows 64-bit VC15.

RadarFX uses MAK Data Package version 16. As of this release, the data installation is separate from the product installation. MAK applications can share the same data package, so you no longer need to install it separately for each product.

RadarFX does not use some newer VR-Vantage features and disables them by default, including:

- Indirect rendering (disabled for entities as well)
- Reverse Z buffer for depth comparisons

Running RadarFX Server VC15

The VC15 version of RadarFX Server requires that the environment variable JRM_DATA_DIR be set to `%MAK_SHARED_DATA_ROOT%/16/latest/ModelData/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 and Updates

These are the new features and updates in RadarFX 1.5.

Image Request and Image Response Parameters

- A new parameter in ISAR requests lets you set the ISAR integration time; there is a new input box for it in the RadarFX Simple Client.
- We added several new parameters to SAR and ISAR response messages:
 - Aircraft position
 - Aircraft orientation
 - UTC system time
 - Latitude (in degrees), longitude (degrees), and altitude (meters) of the view vector terrain hit point
 - Sensor view direction (in azimuth and elevation from level north)

Documentation

- RadarFX Server and the RadarFX Simple Client have updated HTML online help with easier navigation, improved natural language search tools with filters to reduce long lists of results, and illustrations you can click to see high-resolution enlargements. The help is built into the product — just press F1 to launch it in your browser. You do not need to be connected to the internet to use it. (The PDF documentation is still available in the Windows Start menu and in the product's Help menu.)

Fixed Bugs

These problems identified in previous releases have been corrected:

- Fixed an issue with the metadata publisher so it works when the input driver lacks a current channel. RFX-10.
- Improved the RadarFX Simple Client's handling of disconnections. RFX-56.
- Added documentation on saving NITF and GeoTIFF images. RFX-71, RFX-72.
- The RadarFX Simple Client now loads images from the same directory to which images are saved by default: ./userData/radarFX. RFX-77.
- The RadarFX uninstaller application did not remove all files, leaving behind the contents of the appData and bin64 directories. This has been corrected. RFX-83.
- Fixed an issue where CIGI Mappings dropdown within the CIGI connection widget was always empty. The CIGI connection widget no longer assumes the CIGI settings have been loaded when the widget is created. RFX-87.

Known Problems

RadarFX has these known problems:

- Because of a data issue, a couple of skyscrapers in the Ala Moana inset (for example in the Ala Moana terrain) look semitransparent. This problem might also appear in other terrains. RFX-79.
- RadarFX Server sometimes crashes when you change sensor settings (Settings > Display > Sensor Settings). RFX-86.