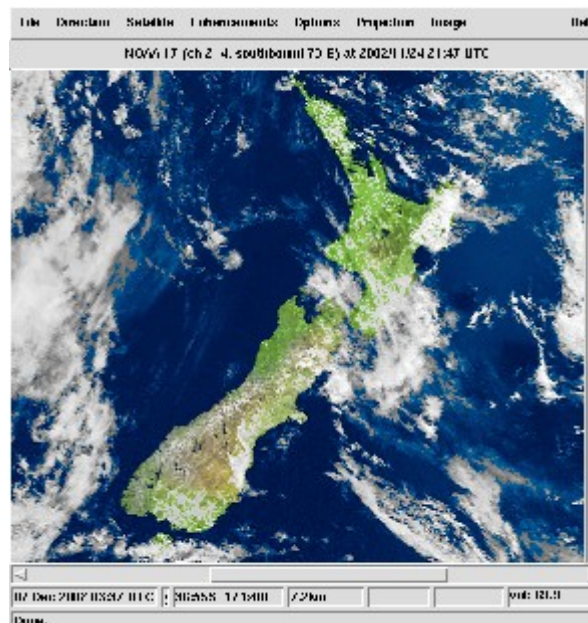# WXtoImg

software to decode APT and WEFAX signals from weather satellites

[Home](#)   [Upgrade](#)   [Images](#)   [Hardware](#)   [Downloads](#)   [Support](#)   [Other Software](#)   [Contact](#)

WXtoImg

The world's best weather satellite (WXsat) signal to image decoder.

Simply connect a 137-138MHz FM communications receiver, scanner, or weather satellite receiver to your soundcard and get stunning colour images directly from weather satellites. The only other item you'll need is an antenna for receiving the circularly polarised signals.

WXtoImg is a fully automated APT and WEFAX weather satellite (wxsat) decoder. The software supports recording, decoding, editing, and viewing on all versions of **Windows**, **Linux**, and **MacOS X**. WXtoImg supports real-time decoding, map overlays, advanced colour enhancements, 3-D images, animations, multi-pass images, projection transformation (e.g. Mercator), text overlays, automated web page creation, temperature display, GPS interfacing, and control for many weather satellite receivers, communications receivers, and scanners.

WXtoImg Version 2.8.12 Released.
This new version supports composite images on generated web pages, improved recording and resync, new options, control of ICOM PCR1500 and other new receivers, FTP improvements to get through difficult firewalls and recover from server errors, and support for Windows Vista and Intel Mac OS X (universal binary). DOWNLOAD.

NOAA 18 frequency changed (again!)
NOAA 18 changed frequency from 137.9125 MHz to 137.1000 MHz on 16 August 2007. For most users, this change will have been transparent -- WXtoImg automatically updates it's frequency table when the Keplers are updated. Owners of crystal controlled receivers may need to install a crystal to receive 137.1000 if they haven't already done so. Please contact your receiver manufacturer for details.

NOAA 12 has been decommissioned
NOAA 12 was decommissioned (permanently switched off) on 10 August 2007 after more than 16 years of service. The inability to regulate bus power made this necessary. NOAA-12 was launched May 15, 1991.

WXtoImg makes use of the 16-bit sampling capabilities of soundcards to provide better decoding than is possible with expensive purpose-designed hardware decoders.

WXtoImg comes in a basic freeware version that provides a large range of features. Improved automation, new enhancements, a wider variety of options, projection transformations and improved quality images from communications receivers and scanners are available by upgrading the software.

Features

- Stunning colour images day and night,
- real-time display of image data sent from satellite,
- creates 3-D images showing cloud layers (requires special glasses for viewing) **,
- completely automated recording, decoding, and web page production and publishing (see also Images),
- supports a wide range of enhancements.
- creates composite images covering a wide area from multiple polar satellite passes **,
- creates animated movies from multiple satellite passes **,
- works well with communications receivers and scanners (example scanner images) **,
- GPS interface for setting position and keeping the PC clock set accurately **,
- transforms images to standard map projections (Mercator**, etc.),
- overlay maps with adjustable colours, text**, and feature sets,
- temperature under cursor display,
- satellite elevation and azimuth under cursor **,
- latitude and longitude under cursor display **,
- distance and bearing from ground station under cursor display **,
- IR temperature and sea surface temperature calibration,
- command line operation for embedded applications,
- support for control of receivers: AOR (AR3000, AR5000, etc.), Bearcat (BC895XLT, BC780XLT, BC245XLT, etc.), Yaesu (FT-817, FT-847, VR-5000, etc.), Kenwood (TS-870S, etc.), ICOM (IC-PCR100, IC-PCR1000, IC-PCR1500, IC-PCR2500, IC-R7000, IC-R7100, IC-R8500, IC-R9000, IC-R10, IC-R20, etc.) R2F, R3F, R2FX, R2ZX, RX2, Timestep PROscan with

i-interface, SAN 200, WRX-137, and user supplied external including doppler frequency compensation for narrow bandwidth receivers **, and
- support for rotor controllers: CX6DD, DL7AOT, EASYCOMM I, GS-232A, LVB Tracker, RC2800, SAEBRTrack, SatDrive, SPID Rot2Prog, and Satellite Tracker Jr. **.

** features available only in an upgraded version.