

Software

There are currently two programs available which can be used to receive and show (C)HRPT/HRI pictures in combination with this decoder:

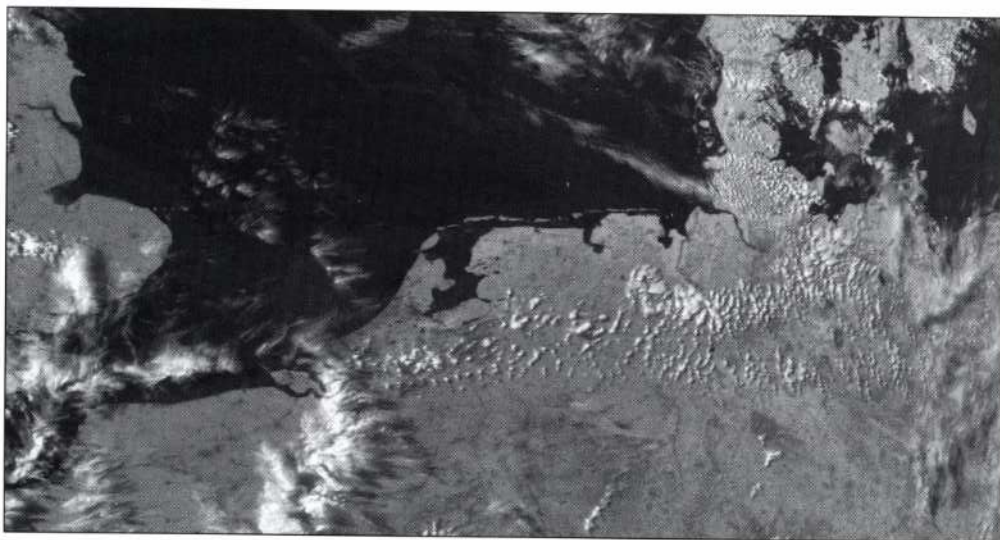
- * The DOS program: "hrpt.exe", which also runs fine in a DOS window under Windows 95/98.
- * The Linux program: "wsat".

The DOS program currently has the most features. Besides receiving and showing pictures, it can also add longitude/latitude coordinates, combine several channels into a colorised picture, and despeckle etc. It is also possible to pre-program recording at certain times (like a video recorder).

The Linux program runs under X (the Unix window system). I am developing this program as a member of the Satellite Software Initiative group (SSI) which means that I am not necessarily the only writer involved with the program. It is written in C, using GTK (GIMP Toolkit) for the graphical part (the windows, menus etc.). This program is, in principle, suitable for porting to several platforms (PC Intel, Solaris etc., and also Windows NT and Windows 95/98). Currently I have compiled it for Linux/Intel.

Source codes are also available, and individuals with programming skills may use and change/enhance the software to their needs.

Both programs are able to translate pictures into standard formats like GIF and TIFF, so other programs can be used for post-processing them.



A NOAA 12 HRPT image Decoded with this Equipment