



with parts of the picture cut out & moving independently.

Also there is what seems to be data bandwidth competition (bidding) on any of the broadcaster MUXs, so that occasionally a NEEDED new "I" (full) frame for a shot change has no bandwidth available for say 1 second, so the picture just hangs for that time with no errors or sound faults.

As far as I know these 2 affects are all the result of the EXTREME MPEG OVER COMPRESSION that the broadcaster has chosen to use for that programme, & are nothing to do with weak signals & error rate that cause the [] blocks to appear & "glitch" noises in the sound. I no longer get those after a new coax feed to the loft aerial.

#### DATA RATES

From a multi Mux Tx site stats printout I saw (published on the Internet) the typical data rates per channel vary from an extremely low 50kB/S to a peak of 6MB/S in any 5 mins giving means of 1-2MB/ch. This is still extremely low compared to the uncompressed >200MB/S from a studio camera source. (a HDTV source is 1200MB/S)

#### BBC LIPSYNC

Since using the larger TV, poor lipsync problems are far more noticeable. Other programme makers don't seem to suffer from this, it definitely is a BBC thing. I know the plasma TV might add a 1/50 or 1/25S picture delay in its picture re-formatting & hence add to the problem, as might the larger screen make the lip movements more apparent, but why should this be just a BBC thing? I have even seen reasonable lip sync degrade during a BBC interview, why? I have even seen the same problem with digital cable system on BBC channels! Are the other broadcasters' running 1/25S delayed sound to compensate for large screen TVs, or is the BBC output just inconsistent? I noticed they have improved their act recently.

#### DVB-T TV channels.

Since the addition of loads more junk TV channels the STB's programme guide is corrupted once/twice a day if it is put into standby. This seems to be centred on some of the channels that keep swapping their allocations (on & off service in the menu guide). I assume they actually go missing from the Tx guide menu for that mux I am using for a few seconds & that my STB instantly sees the change & flags up it need for a rescanned (early STB software fault?) each time.

Y don't U send an interesting bul?

73 de John G8MNY @ GB7CIP