VLBA plans

- VLBA antennas to use 'roach' hardware, with 'VDBE' firmware for lines, Haystack 'DBE2' mode for continuum

- VDBE firmware under development, hardware buying is waiting for $$

- Upgrading station hardware will take a few days at each station, whole array takes about 1 month

- Software correlator ready to use

Haystack DBE2/Mark5C

- Haystack has DBE2 firmware, Mark5C with 10GE daughterboard is being tested

- Zero-baseline tests with all available digital backends are planned

- Later real VLBI tests between these systems should be made

European dBBC development

- The unit has 4 BBCs on each FPGA board

- A 'Fila10G' 10GE interface is being developed, until this is ready Mark5B is being used

- Units are installed at Wettzell and Effelsberg

- A polyphase filter personality is also being developed

- A company is being founded to construct further units

Station/Correlator compatibility

- VLBA software correlator will support VLBA, Mark5A, Mark5B to 1Gbps, LBA. Perhaps later VDIF

- JIVE support Mark5A and Mark5B formats

- NRAO plans to use packet firmware in 'roach'. This means Mark5C can be read on correlator as Mark5B

- HSA: GBT will get new hardware, VLA but not as phased array, Effelsberg waiting for pricing of VDBE/DBE2

- http://www.mpifr-bonn.mpg.de/div/vlbicor/tog_chair/togreps09/minutes_of_EVN_US_telecon0904.txt For more details