

DBBC Construction



Effelsberg unit finished, Wettzell 3 being modified



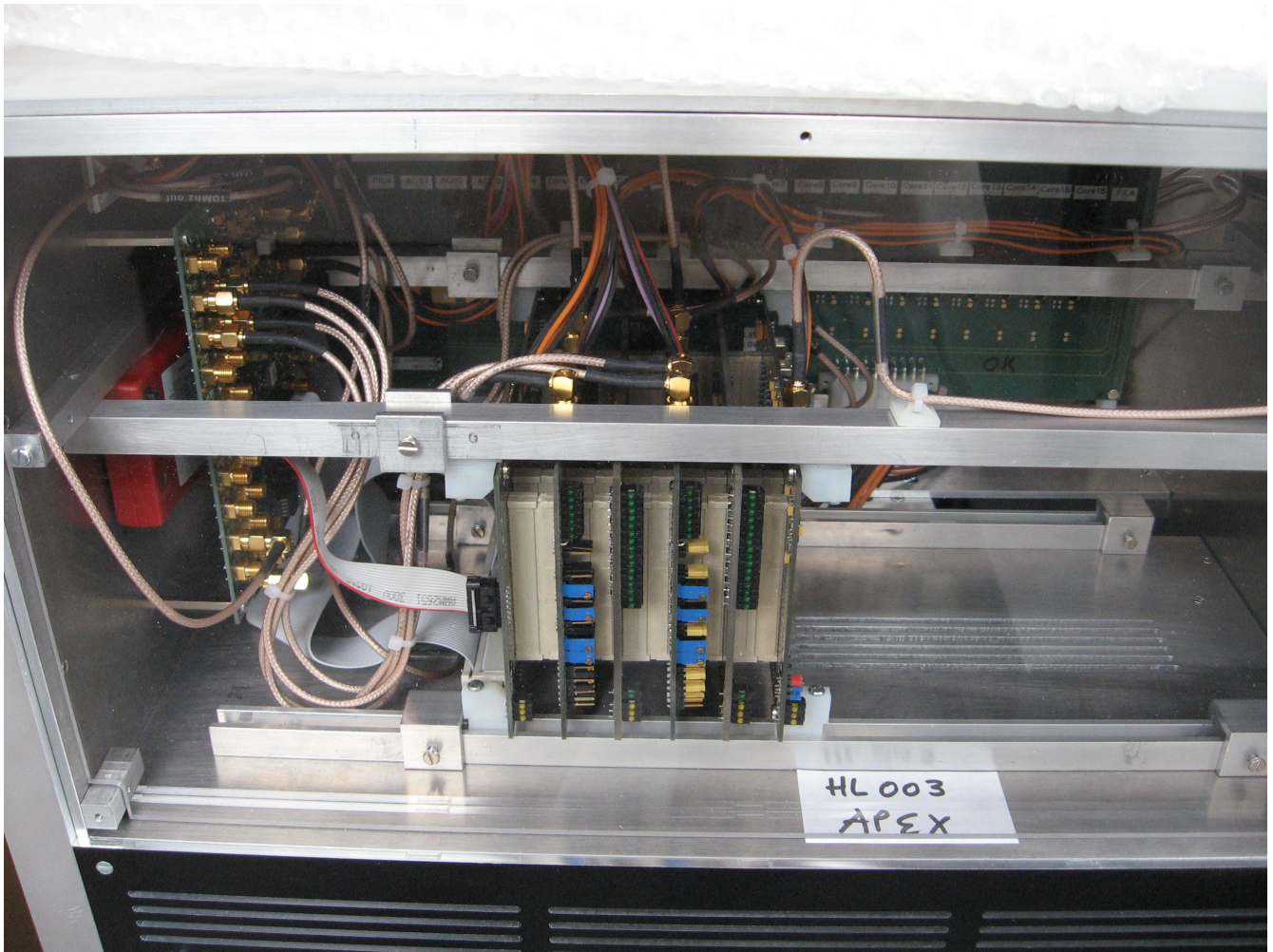
New Zealand ? Onsala ?



Irbene unit to be upgraded, unknown in boxes , 1 other



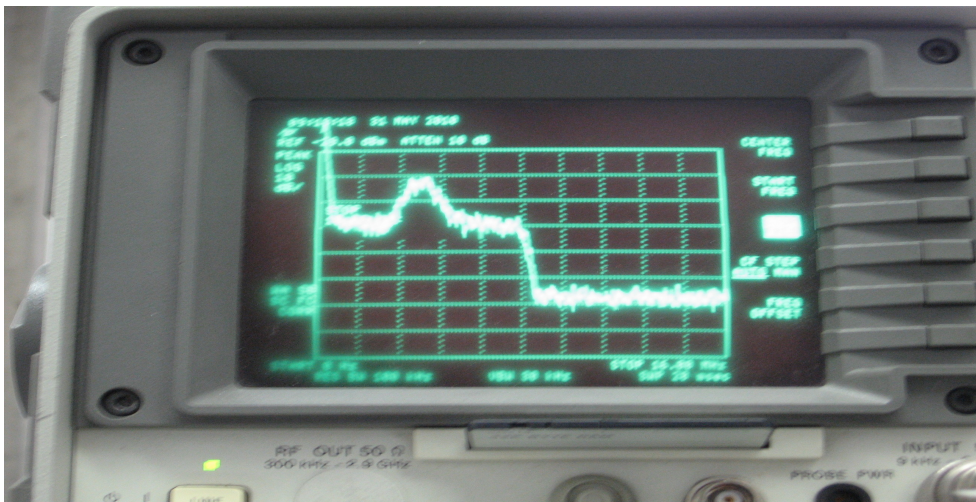
PFB units (2 FPGA cards for 4Gbps) for Pico and Apex, Auscope 3 ?



closeup of a PFB unit

DBBC Tests

- Testing stations currently Hobart and Wetzell
- have run geo sessions in parallel Mk4/DBBC
- Setup problems: setup is not automated because these stations use DBBC under Windows XP, mistakes are often made, non-optimum input power used.
- Generally lower SNR than expected
- Gino has found a problem with signal/clock timing which is fixed in new firmware, due this week. This should fix SNR problem.
- Control software for Unix (SuSE 10.3 system) will be available shortly afterwards. FS control available from Wetzell as station software.
- Also possible to test in laboratory using an artificial line, checking for best power levels for instance



(Line seen on analog monitor of DBBC)

```
dbbcifa=1,agc,2
```

```
dbbcifa/1,12,agc,2,58510
```

```
dbbc01=145.99,a,8,8,1
```

```
dbbc01/145.990000,a,8,8,1,agc,1,1,3031,483,0,0
```

(line at 150MHz seen in USB power)