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Onsala Station report May, 2012:

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* EVN-session 3, 2011: The problem with the C-band receiver remains (higher SEFD in RCP). We lost some time due to bad weather and some minor technical problems. No major technical problems during the session. The DBBC was used in parallel to the production system. We did obtain fringes but also unexplained phase jumps. Another issue is the input IF-level to the DBBC.

* EVN-session 1, 2012: The problem with the C-band receiver remains. This time we also had higher SEFD at 18 cm than normal (RCP). We lost some time due to bad weather and minor technical problems. No major technical problems during the session. The DBBC was again used in parallel to the production system. We did obtain fringes and this time without any phase jumps. Thus, some progress is being made.

* EVN-session 2, 2012: The problem with the C-band receiver remains. We lost some time due technical problems. We changed to our second maser before the L-band session since we discovered occasional jumps of the order of 2 ns (a few times a day). This will affect all previous experiments in the session. We had some minor problems with large disks, occasional antenna/receiver hardware problems, etc. In addition, we had to run some experiments unattended due to lack of operators and during that time we got problems with the Mark5 (Murphy's law). The DBBC was successfully used during some NME-experiments.

We have repaired the 25 m polar bearing. It was completed just before session 2. It seems to have solved some of the tracking problem.