

## F201B Correlation Report

### General information

- Additional fringe test scheduled to investigate the absence of fringes Ef.
- Session info: <http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/>
- Station feedback: [http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr20/feedback\\_apr20.asc](http://www3.mpifr-bonn.mpg.de/div/vlbi/globalmm/sessions/apr20/feedback_apr20.asc)

### Fringes

All fringe plots for scan 2 including autocorrelations: [f201b\\_No0002\\_all.pdf](#)

Station	Code	Fringes	Plots	Comments
Ef	B	yes	<a href="#">f201b_No0002_3C84_BX_LL.pdf</a> , <a href="#">f201b_No0002_3C84_BX_RR.pdf</a> <a href="#">f201b_No0002_3C84_BZ_LL.pdf</a> , <a href="#">f201b_No0002_3C84_BZ_RR.pdf</a>	Effelsberg with DBBC2 backend  it was found that there was a setup misconfiguration and the LO frequency accidentally shifted by -2 MHz. After fixing this LO offset in correlation fringes to both On and Mh found successfully.
Eb	E	yes	see fringe plots for the whole scan 2 above	Effelsberg with RDBE backend  It was added in in attempt to help in investigating the problems, unfortunately misconfigured to 4 x 64 MHz per pol instead of its supposed 4 x 128 MHz per pol. Possibly there were other setup problems. Only zero-baseline fringes EfEb were found and they look strange.
On	X	yes	<a href="#">f201b_No0002_3C84_BX_LL.pdf</a> , <a href="#">f201b_No0002_3C84_BX_RR.pdf</a>	OK
Mh	Z	yes	<a href="#">f201b_No0002_3C84_BZ_LL.pdf</a> , <a href="#">f201b_No0002_3C84_BZ_RR.pdf</a>	OK

### Notes