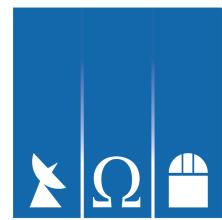


Sub-arcsec LOFAR images

Olaf Wucknitz

wucknitz@astro.uni-bonn.de



Argelander-
Institut
für
Astronomie

LOFAR Status Meeting, Dwingeloo/Bonn, 26 January 2011

Sub-arcsec LOFAR images

- observations
- images of 3C196
- images of 3C147

Observations

- no station calibration in DE603, FR606, snow on DE603:

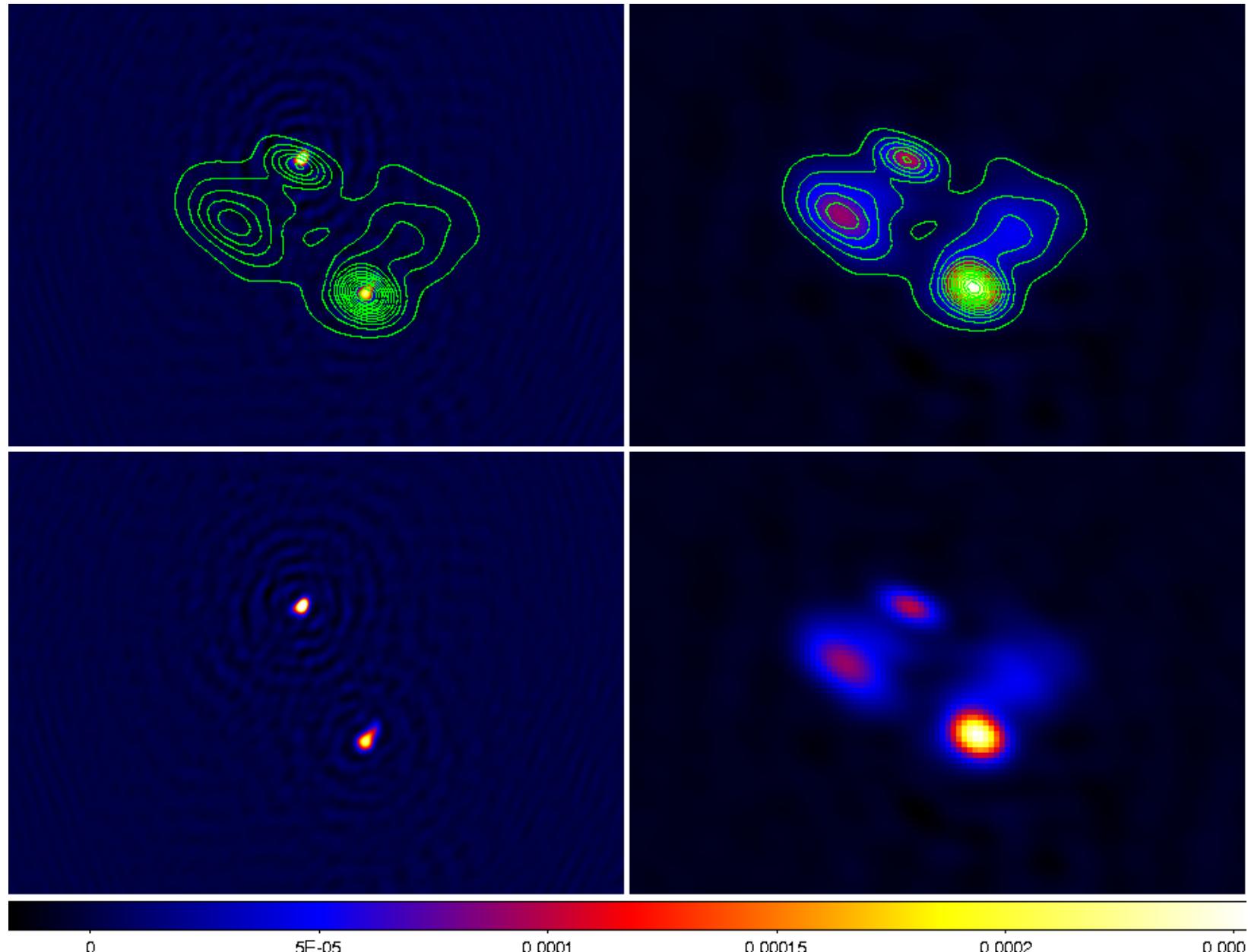
★ L2011_22744	3C48	1 h	13 Jan 2011
★ L2011_22745	3C147	1 h	13 Jan 2011
★ L2011_22746	3C196	6 h	13/14 Jan 2011

- station calibration okay, no snow, high freqs weak in DE603:

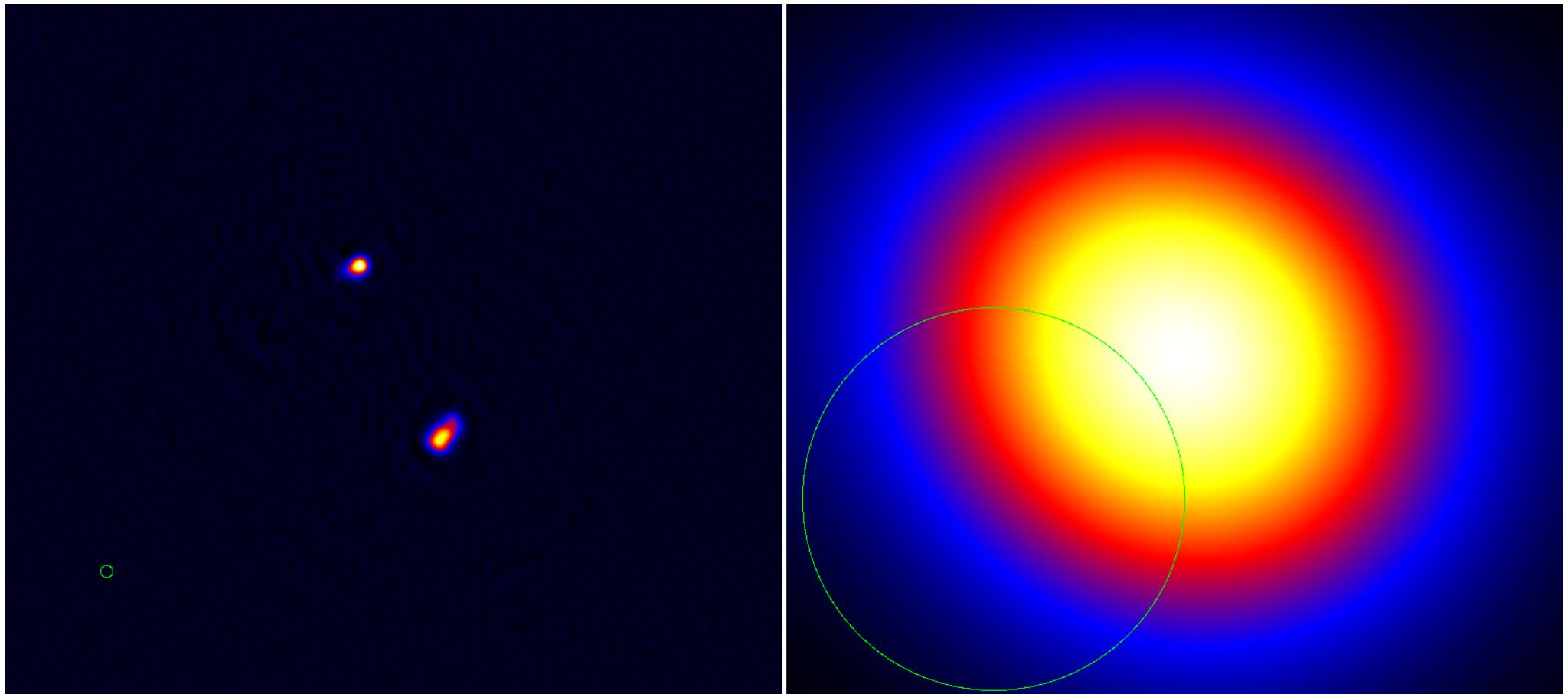
★ L2011_22883	3C196	12 h	20/21 Jan 2011
★ L2011_22899	3C147	12 h	23/24 Jan 2011

all with HBA (ca. 120–165 MHz) with DE603, FR606, UK608 plus 5×RS plus 1–2 CS

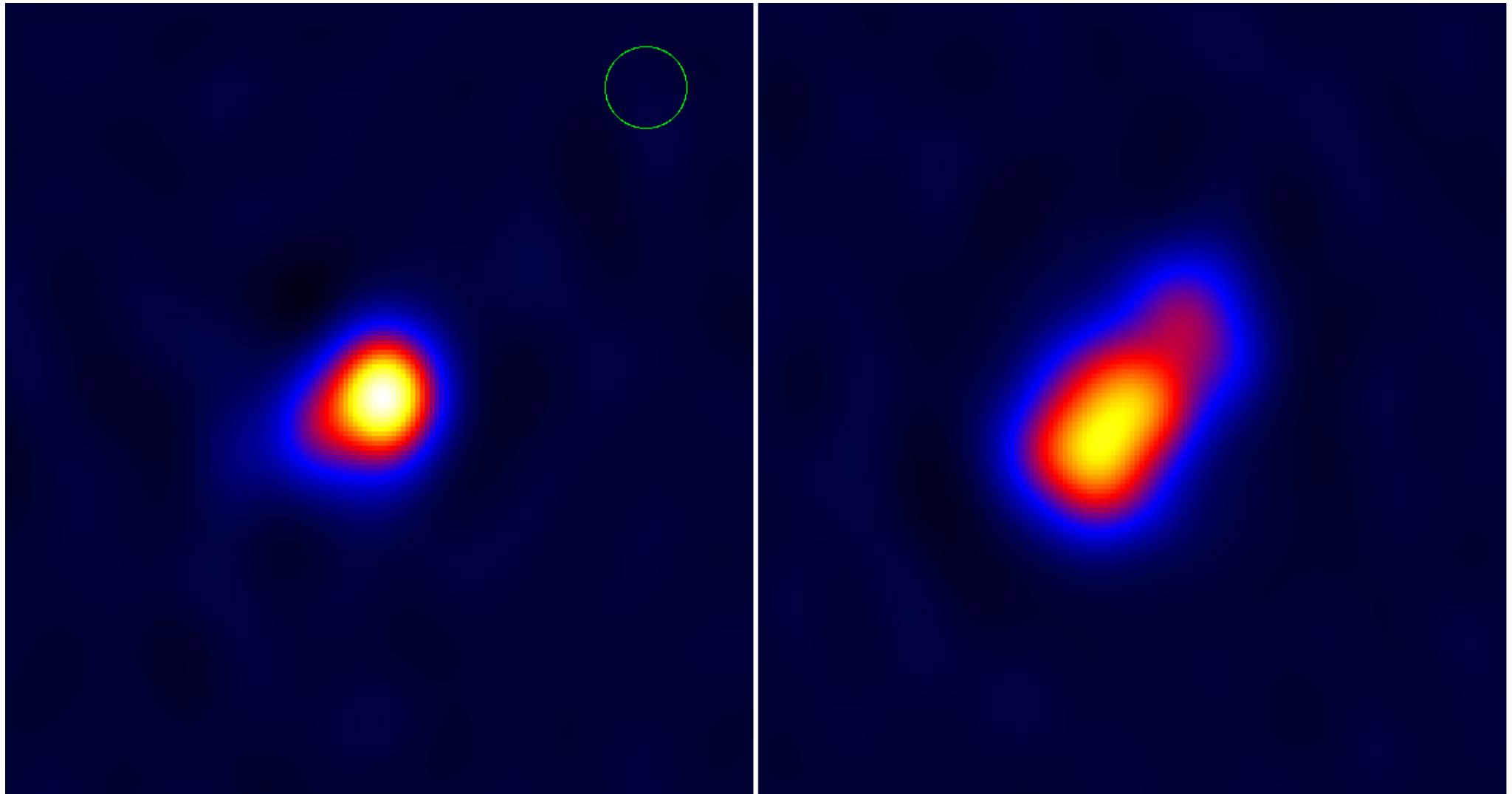
Images of 3C196: first attempt (6 h, L2011_22746)



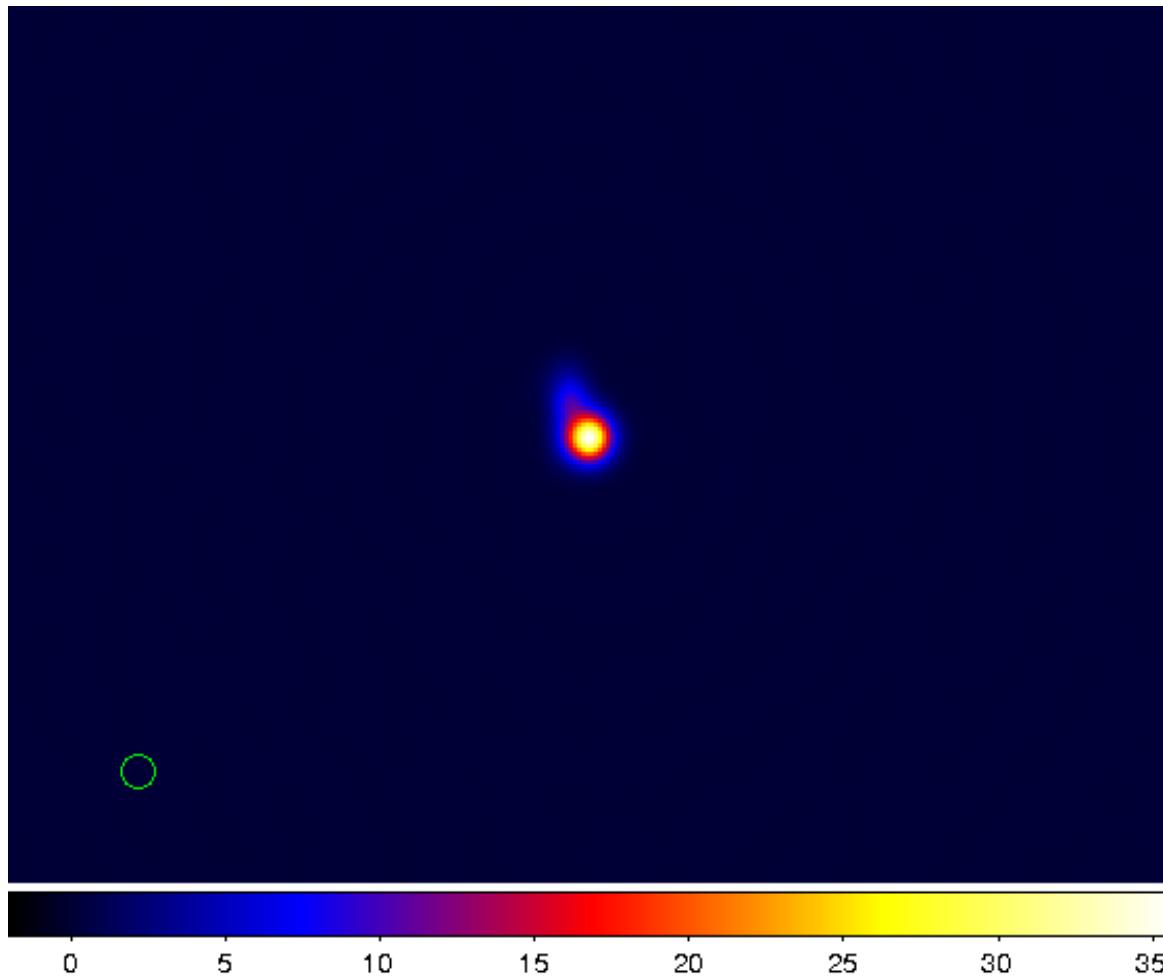
Images of 3C196: current best (12 h, L2011_22883)



Components of 3C196 (12 h, L2011_22883)



Preliminary image of 3C147 (12 h, L2011_22899)



This is with only 20 % of the subbands, RR pol., done last night.

Dynamic range already 3000:1, still room for improvement.

All for today . . .

- 3C147 imaging continues
- still many challenges in calibration
- time to start more systematic long-baseline efforts
- More details in the next LSM!

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