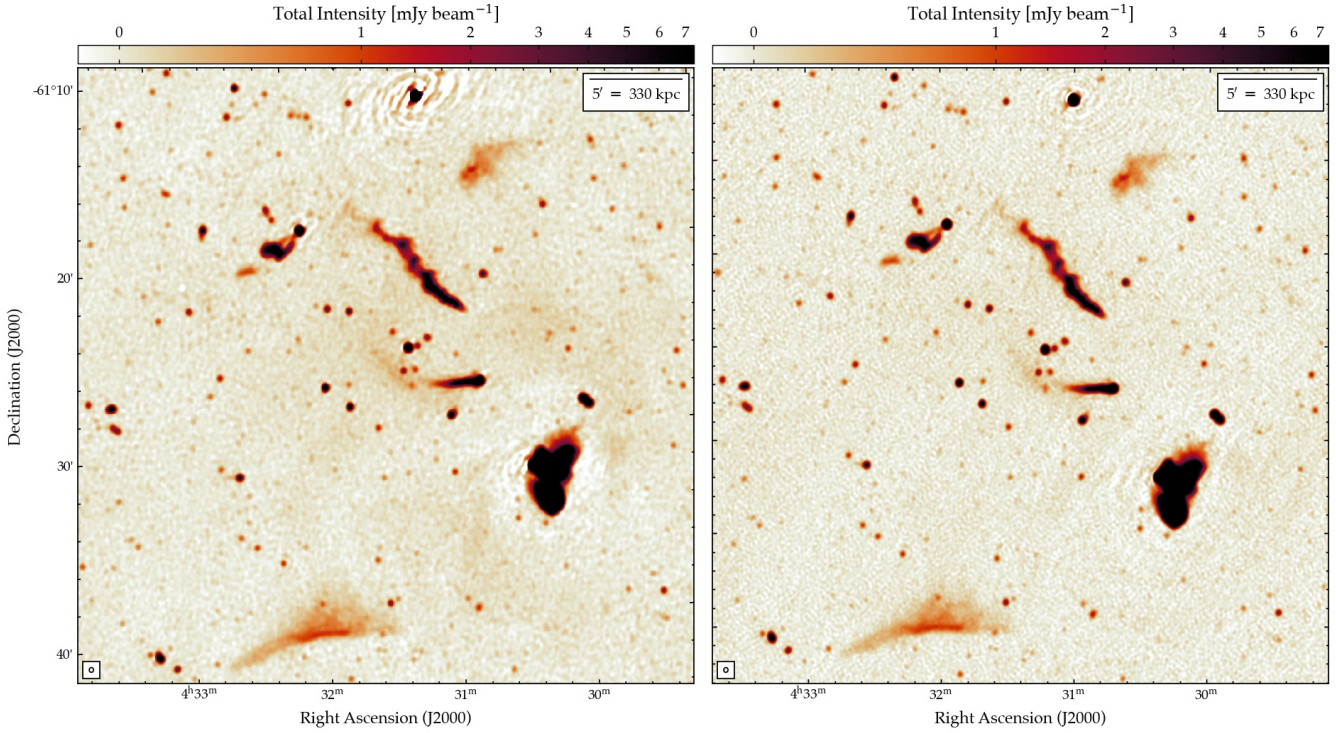


**Figure A1.** ATCA images of Abell 3266 produced using standard techniques in *MIRIAD* (*left panel*) and using third-generation calibration techniques using *DDFACET* and *KILLMS* (*right panel*). Images are shown at 6 arcsec resolution and on matching colour scales, ranging between  $-3\sigma$  and  $200\sigma$  where  $\sigma = 14.5 \mu\text{Jy beam}^{-1}$  is the rms noise in our *DDFACET* image.



**Figure A2.** ASKAP images of Abell 3266 produced by *ASKAPSOFT* (*left panel*) and with further postprocessing using *DDFACET* and *KILLMS* (*right panel*). Images are shown at  $15.5 \times 13.7$  arcsec  $\times$  arcsec resolution and on matching colour scales, ranging between  $-3\sigma$  and  $200\sigma$  where  $\sigma = 36.7 \mu\text{Jy beam}^{-1}$  is the rms noise in our *DDFACET* image.