

Figure 1: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $28^{\circ}0^{\text{m}}1^{\text{s}}$  and R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $26^{\circ}45^{\text{m}}10^{\text{s}}$ , without Cortes beam applied. Simulation:  $N_a = 50$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

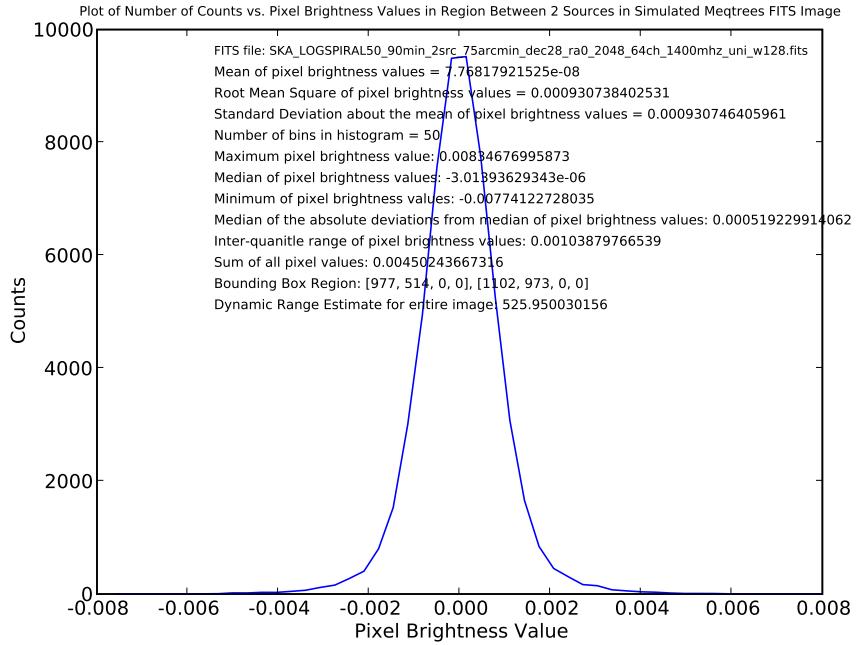


Figure 2: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 1. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

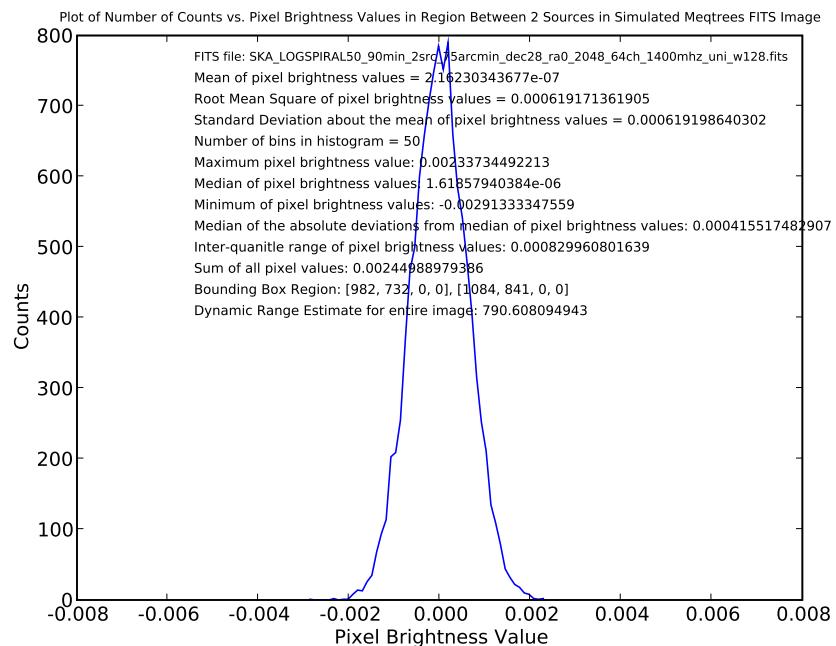


Figure 3: Same Fig. 2 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 1 in obtaining statistical measures.

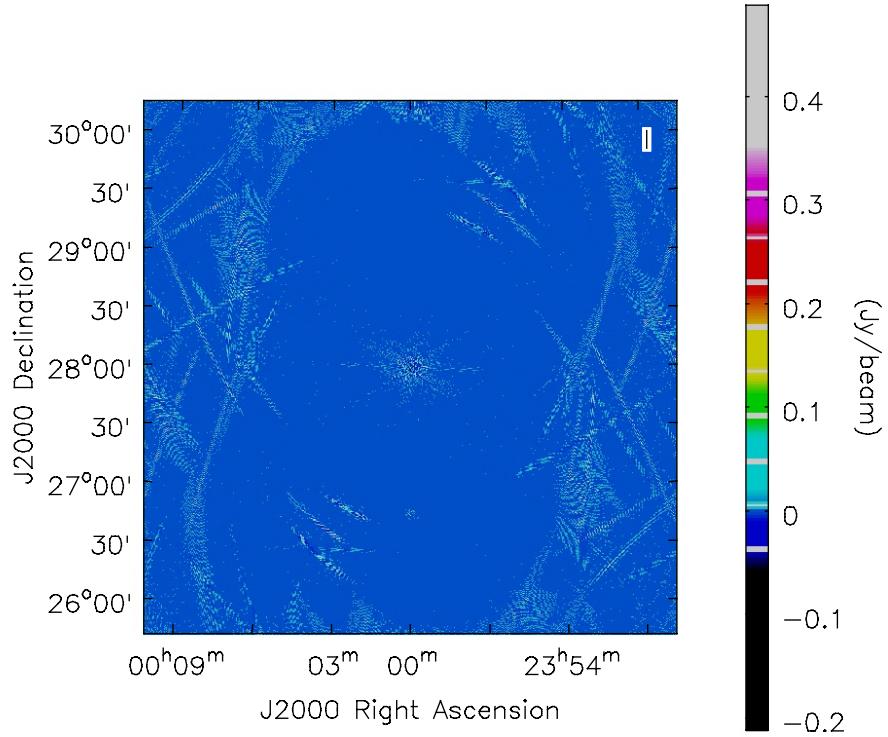


Figure 4: Meqtrees SKA simulation and Meqtrees-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $28^{\text{d}}0^{\text{m}}1^{\text{s}}$  and R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $26^{\text{d}}45^{\text{m}}10^{\text{s}}$ , with Cortes beam but no pointing errors applied. Simulation:  $N_a = 50$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

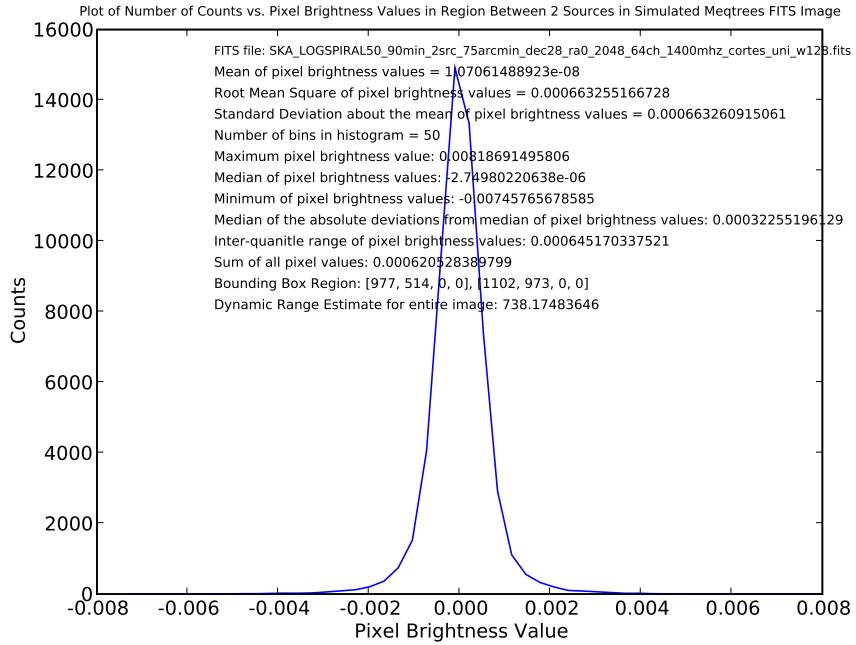


Figure 5: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 4. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

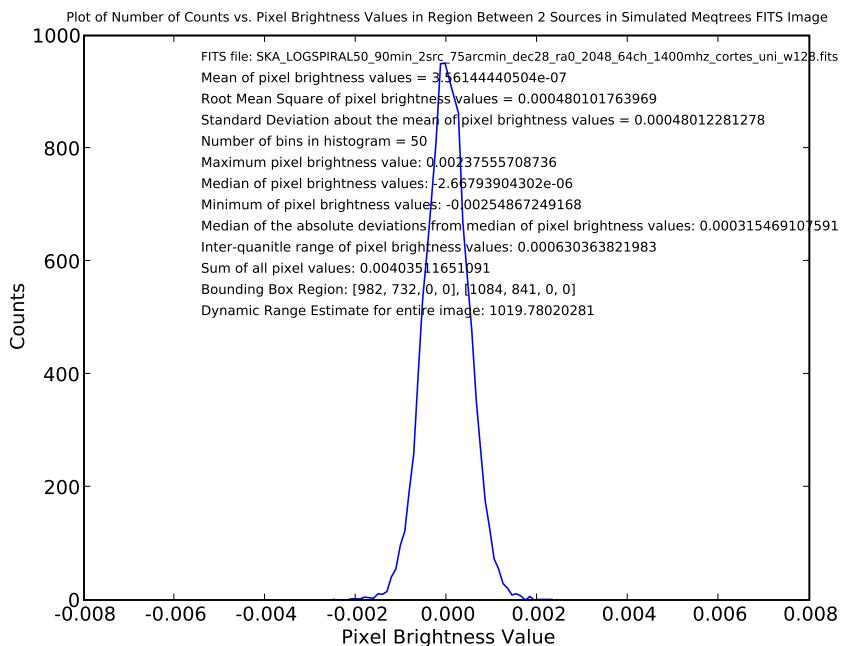


Figure 6: Same as Fig. 5 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 4 in obtaining statistical measures.

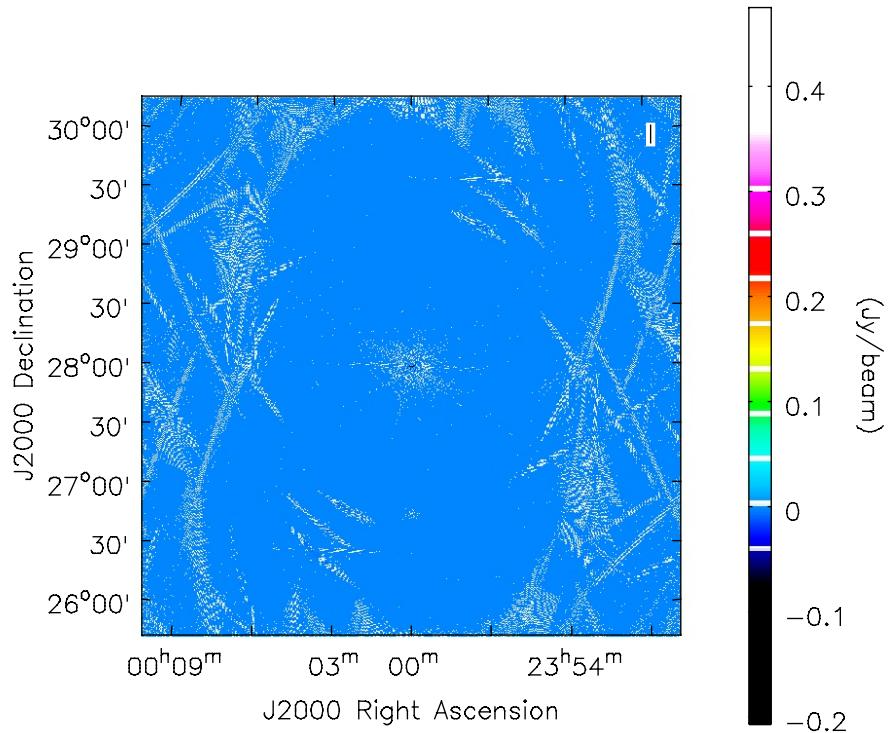


Figure 7: Meqtrees SKA simulation and Meqtrees-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^h0^m0.1^s$ , Dec.: $28^d0^m1^s$  and R.A.:  $0^h0^m0.1^s$ , Dec.: $26^d45^m10^s$ , with Cortes beam and pointing errors ( $l_{offset} = 0.00172 \text{ rad} = 5.919'$ ,  $m_{offset} = 0.0004 \text{ rad} = 1.416'$ ) applied. Simulation:  $N_a = 50$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

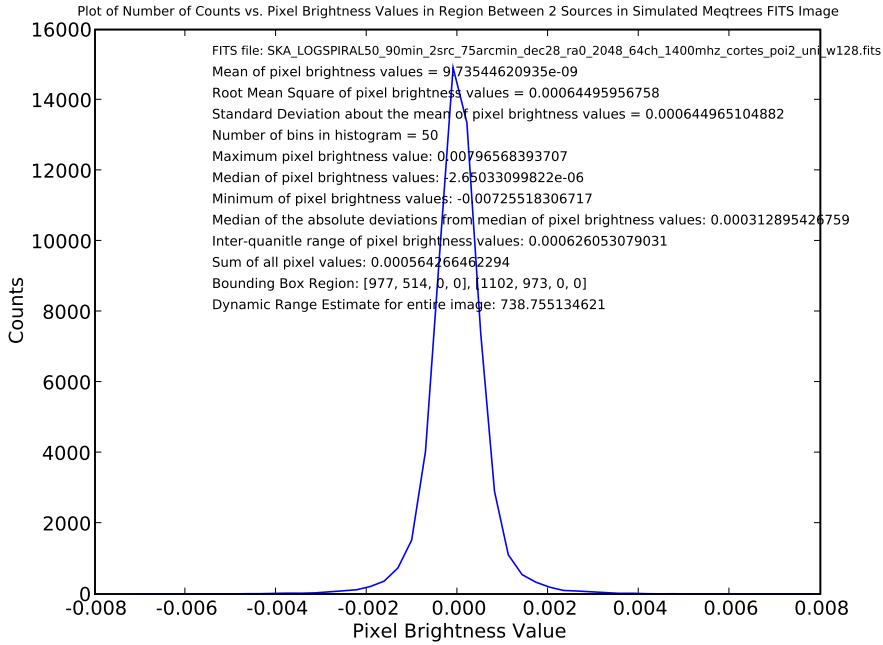


Figure 8: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 7. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

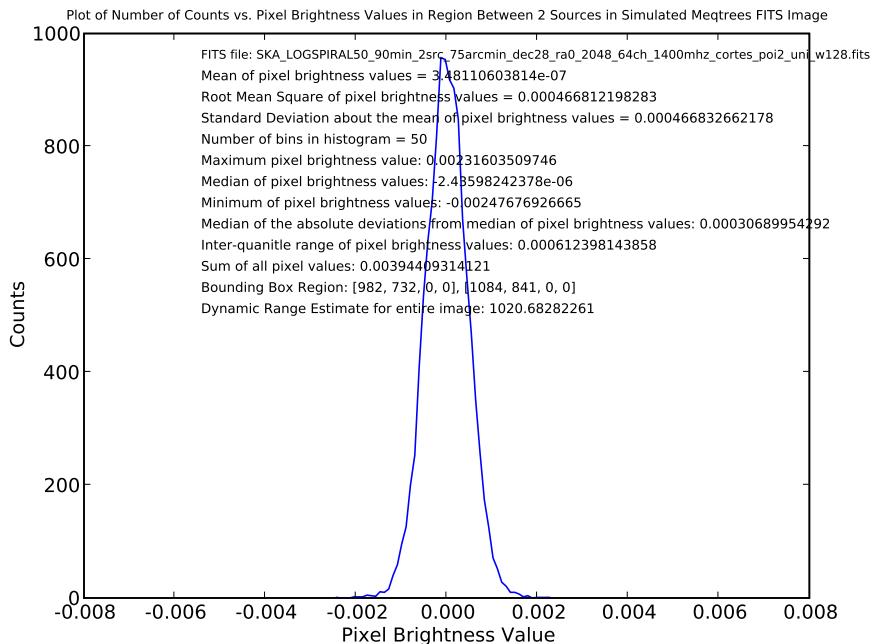


Figure 9: Same as Fig. 8 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 7 in obtaining statistical measures.

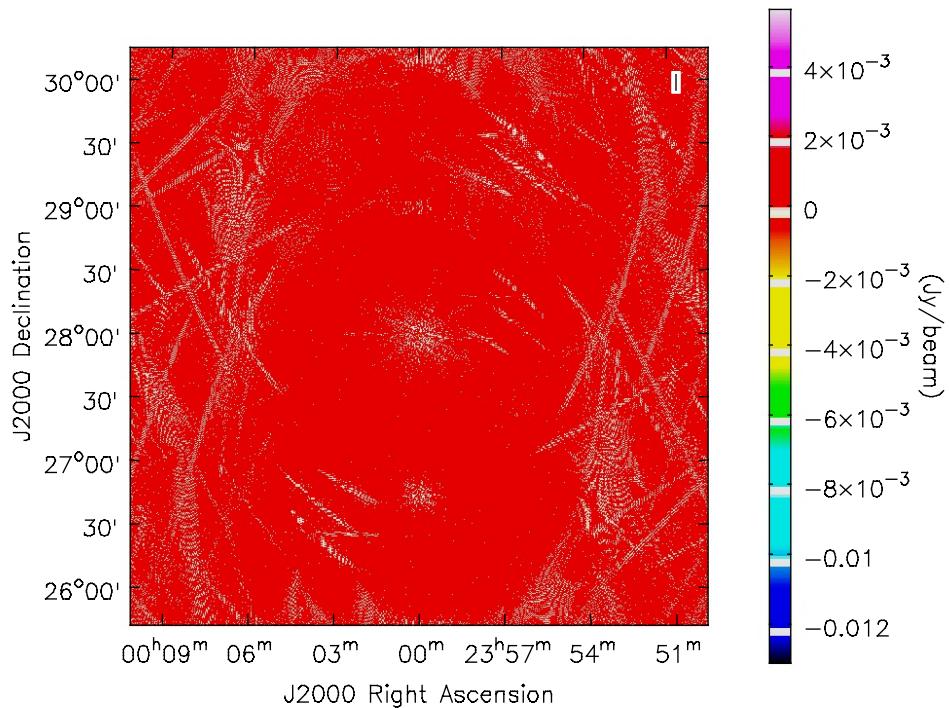


Figure 10: Meqtrees SKA simulation and Meqtrees-generated dirty image exactly the same as that in Fig. 1, but in this case image is result of subtracting image from meqtrees simulation with cortes beam applied and no pointing errors from image from meqtrees simulation with cortes beam applied and pointing errors applied.

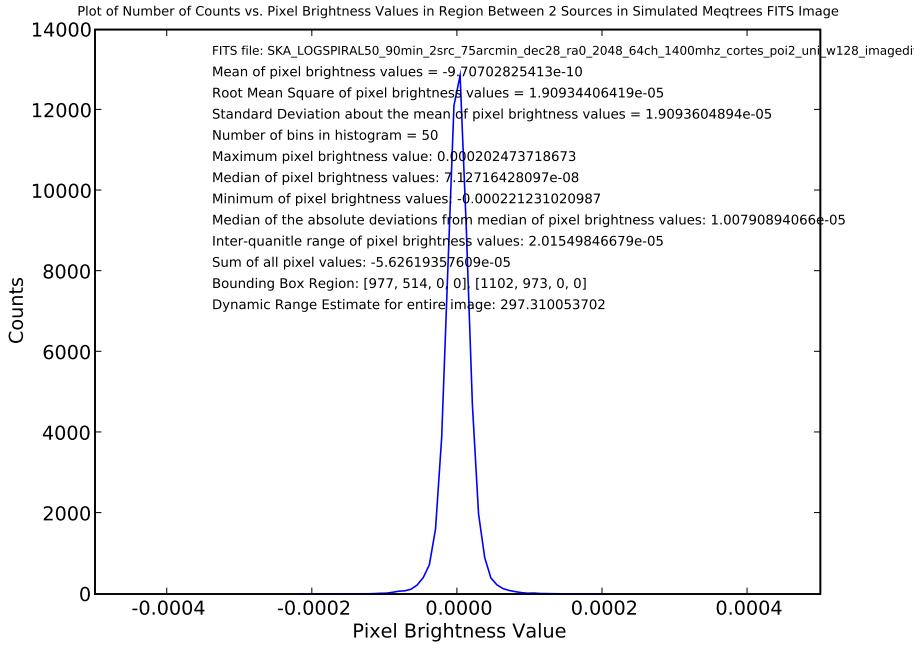


Figure 11: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 10. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

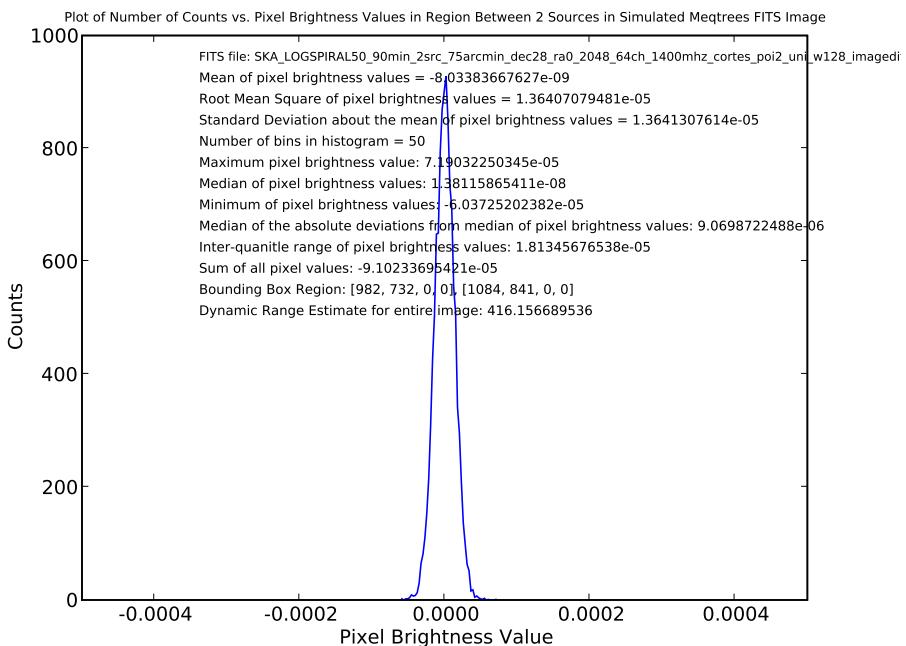


Figure 12: Same Fig. 11 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 10 in obtaining statistical measures.

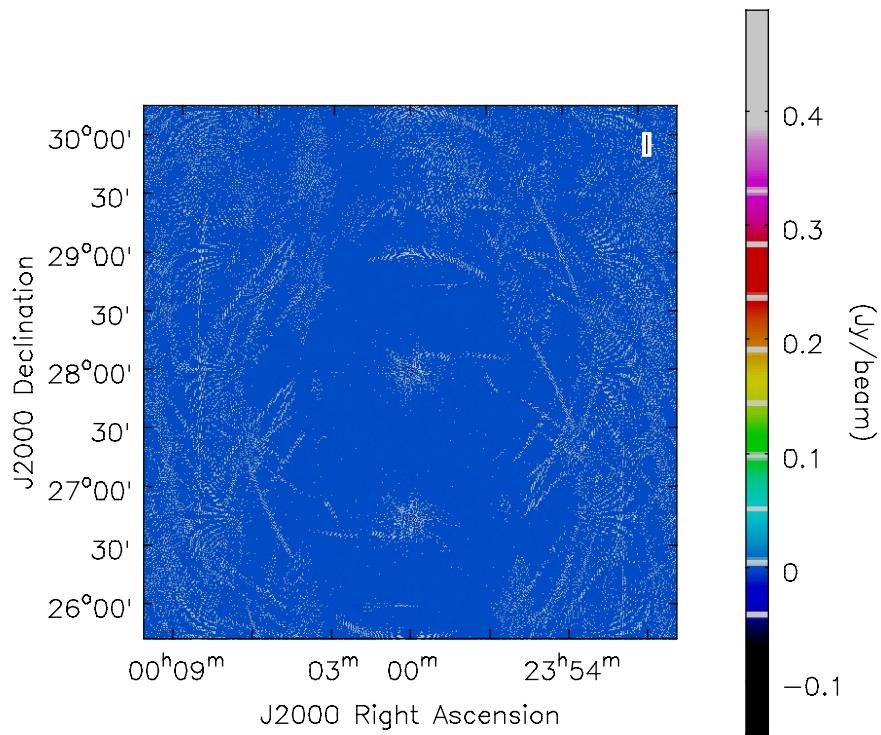


Figure 13: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^h 0^m 0.1^s$ , Dec.: $28^d 0^m 1^s$  and R.A.:  $0^h 0^m 0.1^s$ , Dec.: $26^d 45^m 10^s$ , without Cortes beam applied. Simulation:  $N_a = 75$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

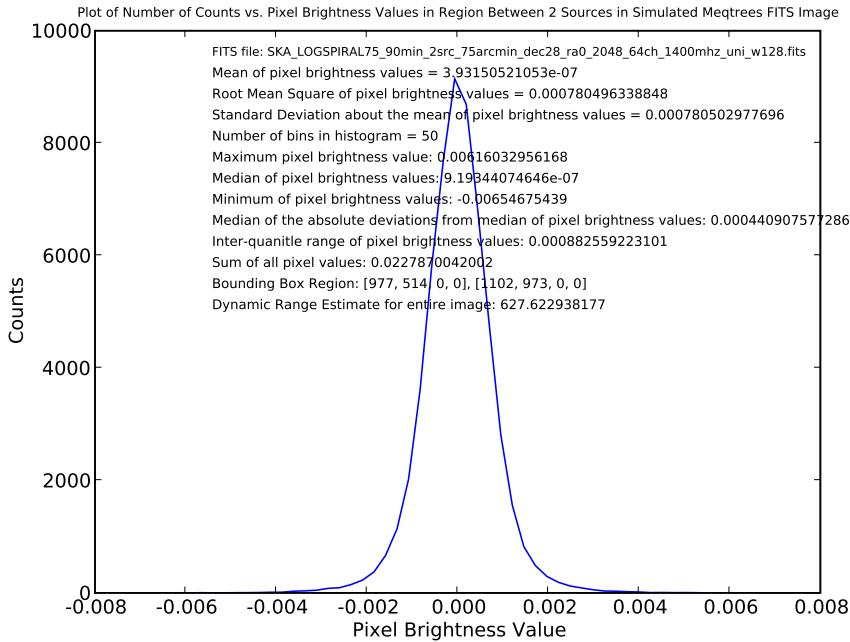


Figure 14: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 13. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

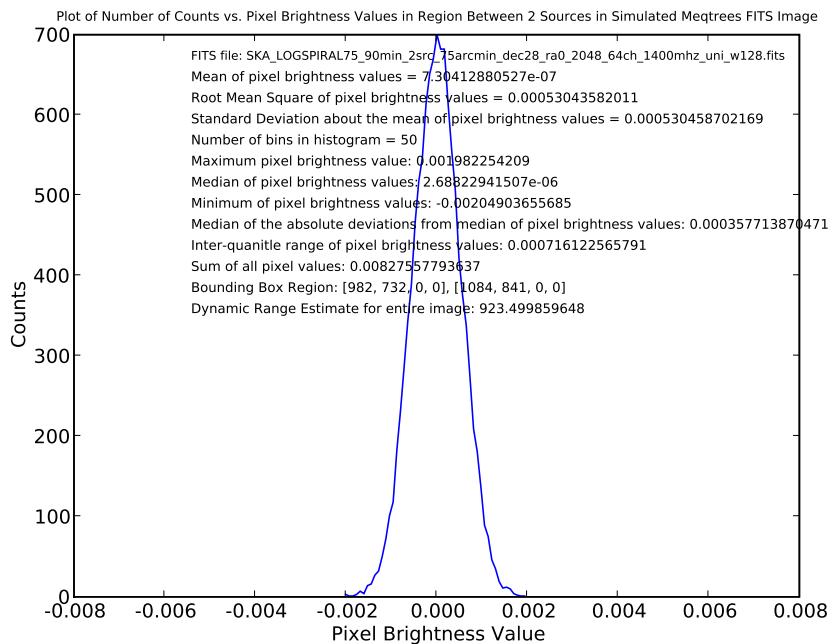


Figure 15: Same Fig. 14 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 13 in obtaining statistical measures.

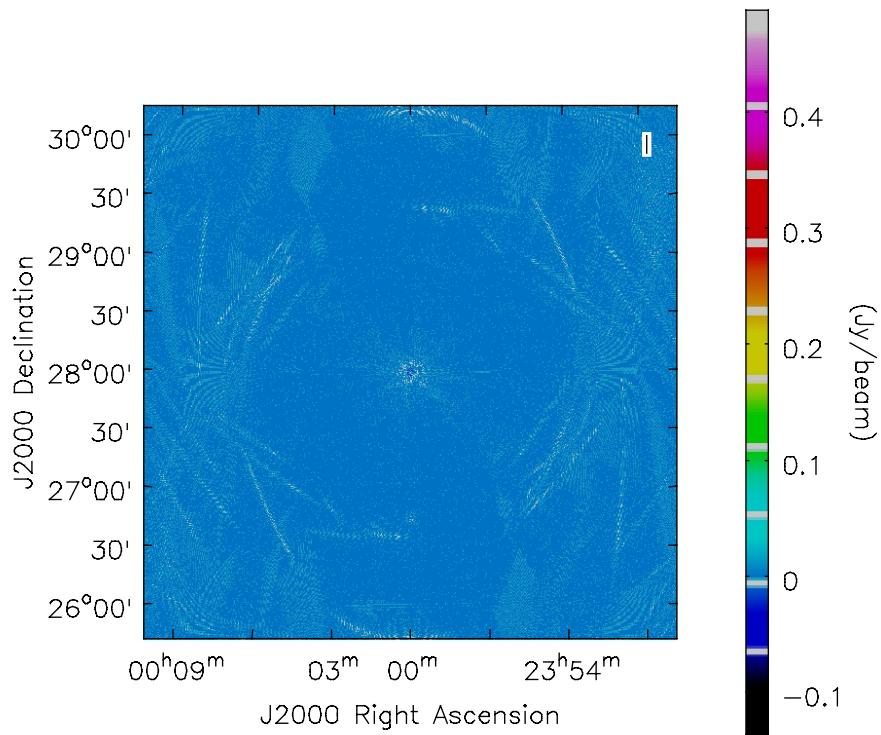


Figure 16: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^h0^m0.1^s$ , Dec.: $28^d0^m1^s$  and R.A.:  $0^h0^m0.1^s$ , Dec.: $26^d45^m10^s$ , with Cortes beam but no pointing errors applied. Simulation:  $N_a = 75$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

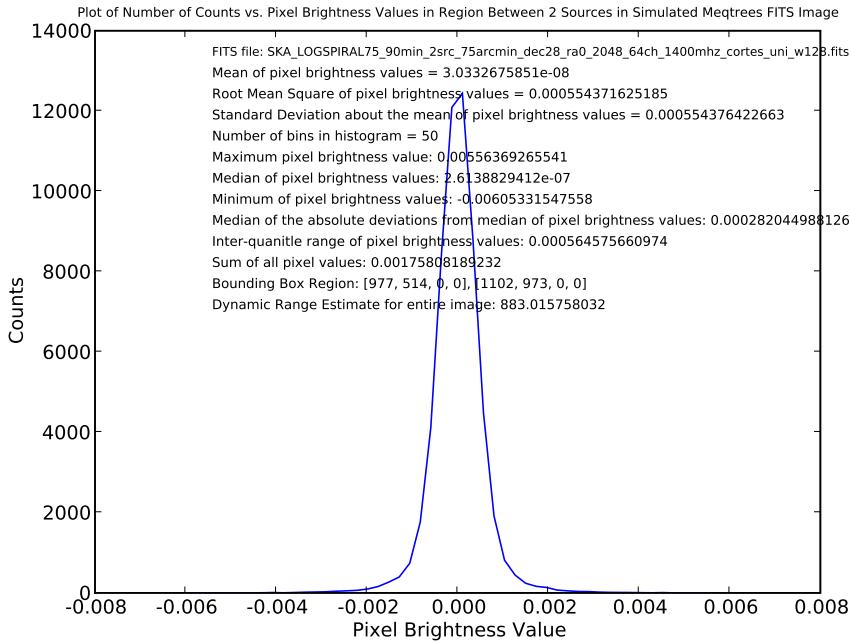


Figure 17: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 16. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

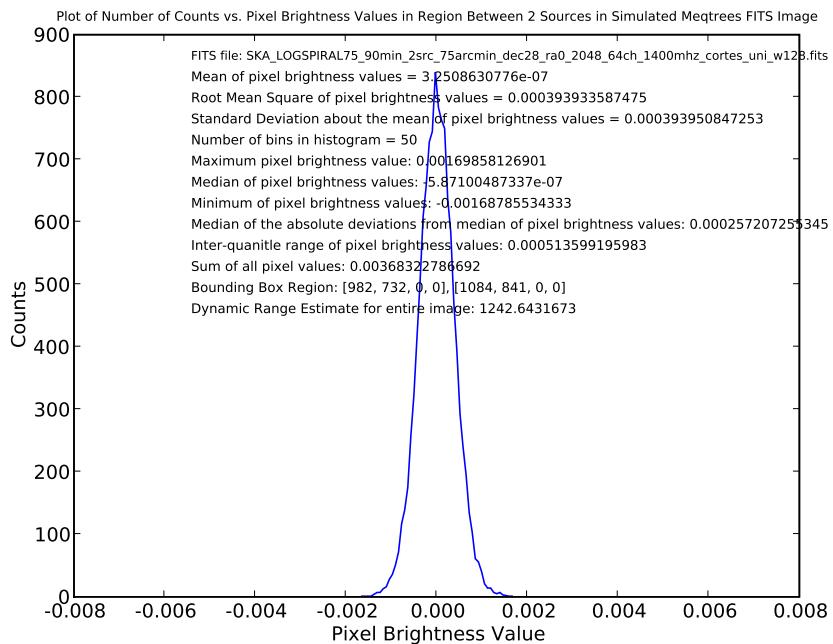


Figure 18: Same Fig. 17 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 16 in obtaining statistical measures.

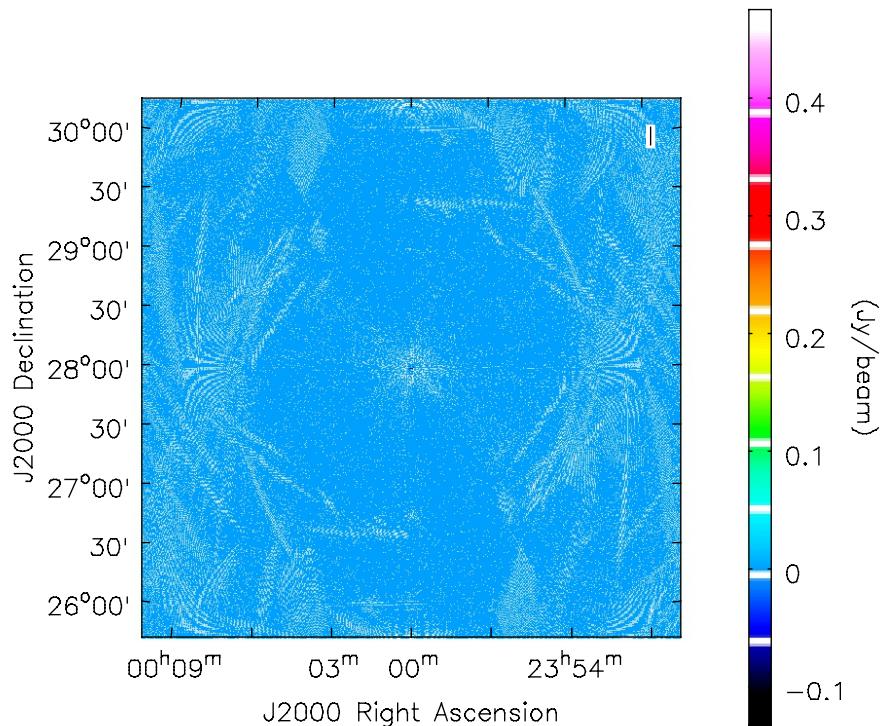


Figure 19: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^h0^m0.1^s$ , Dec.: $28^d0^m1^s$  and R.A.:  $0^h0^m0.1^s$ , Dec.: $26^d45^m10^s$ , with Cortes beam and pointing errors ( $l_{offset} = 0.00172 \text{ rad} = 5.919'$ ,  $m_{offset} = 0.0004 \text{ rad} = 1.416'$ ) applied. Simulation:  $N_a = 75$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

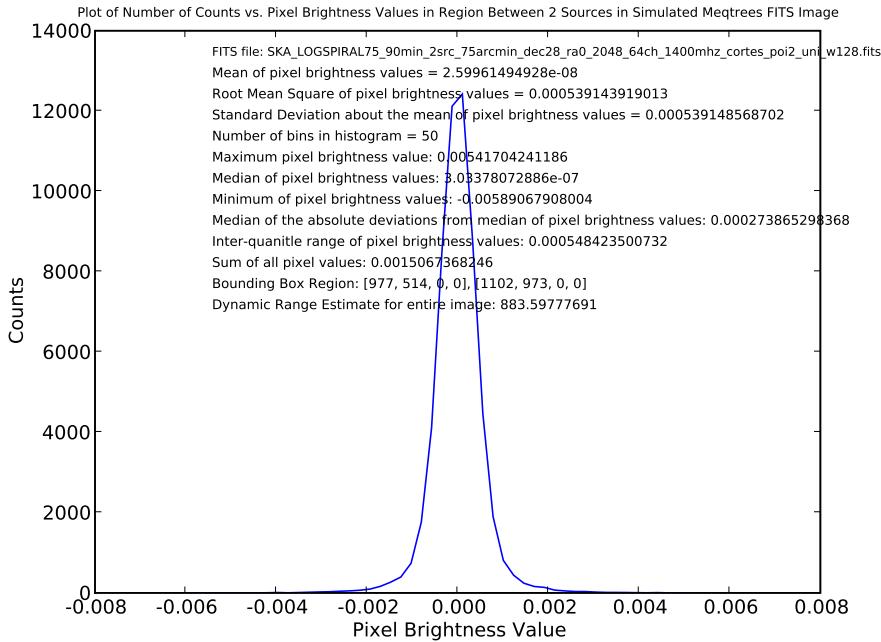


Figure 20: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 19. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

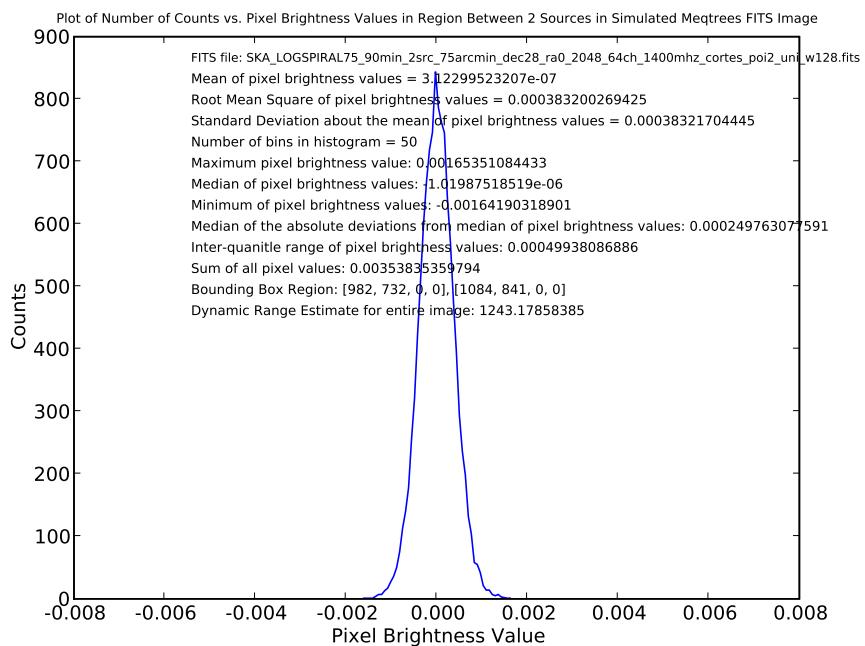


Figure 21: Same Fig. 20 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 19 in obtaining statistical measures.. .

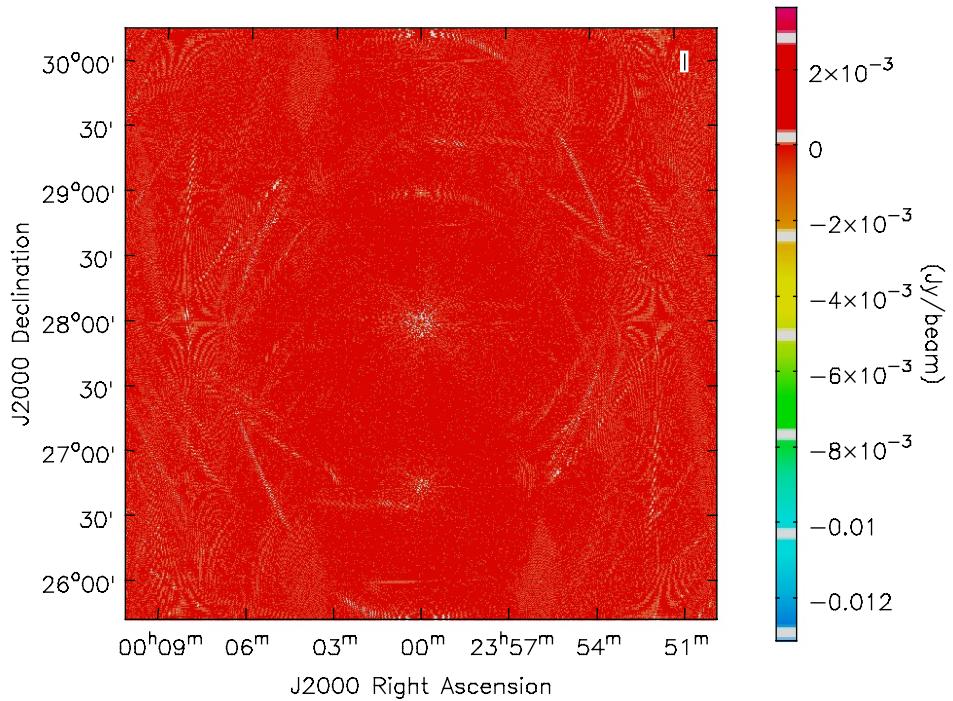


Figure 22: Meqtrees SKA simulation and Meqtrees-generated dirty image exactly the same as that in Fig. /reffig:figure20, but in this case image is result of subtracting image from meqtrees simulation with cortes beam applied and no pointing errors from image from meqtrees simulation with cortes beam applied and pointing errors applied.

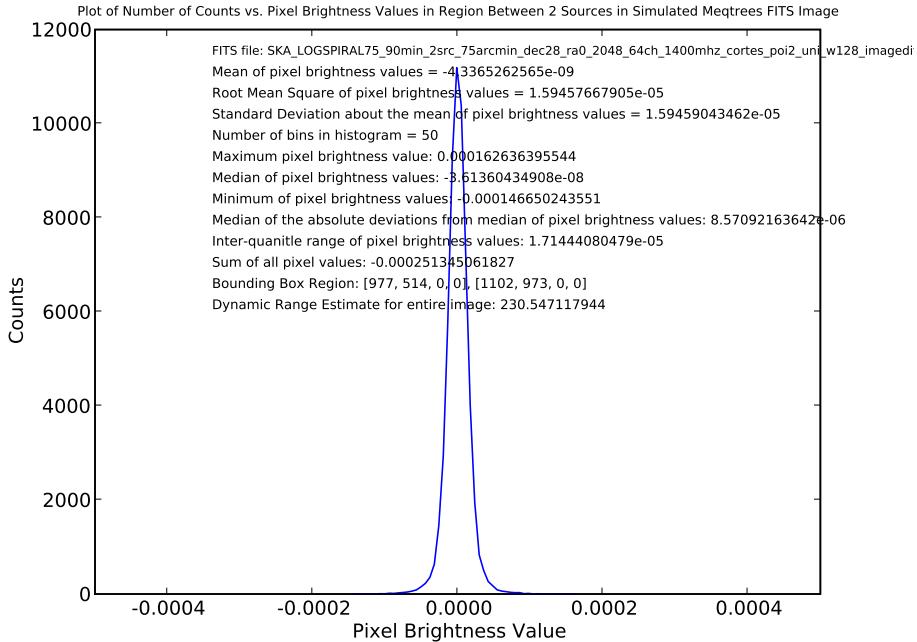


Figure 23: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 22. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

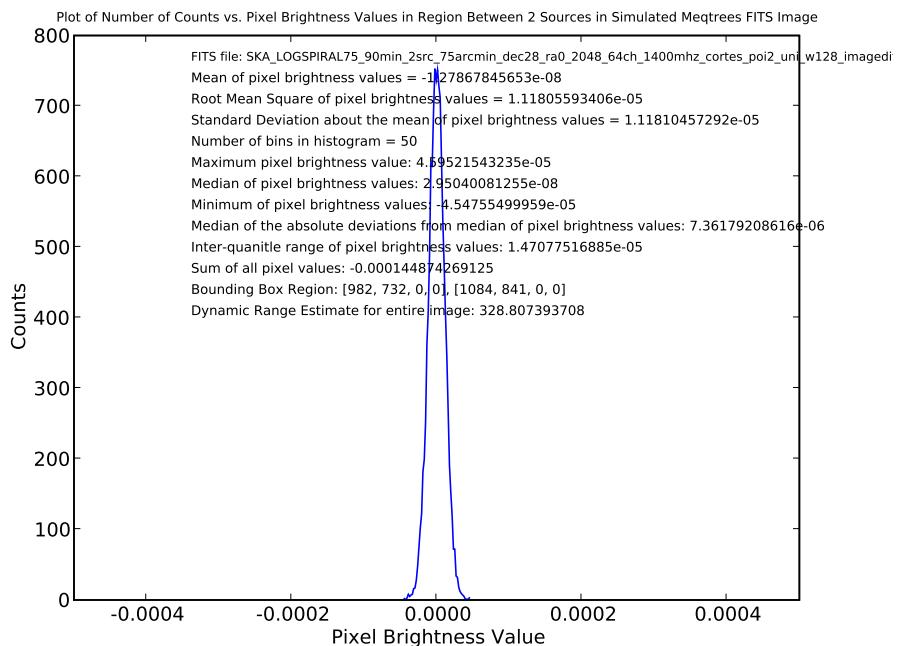


Figure 24: Same Fig. 23 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 22 in obtaining statistical measures.

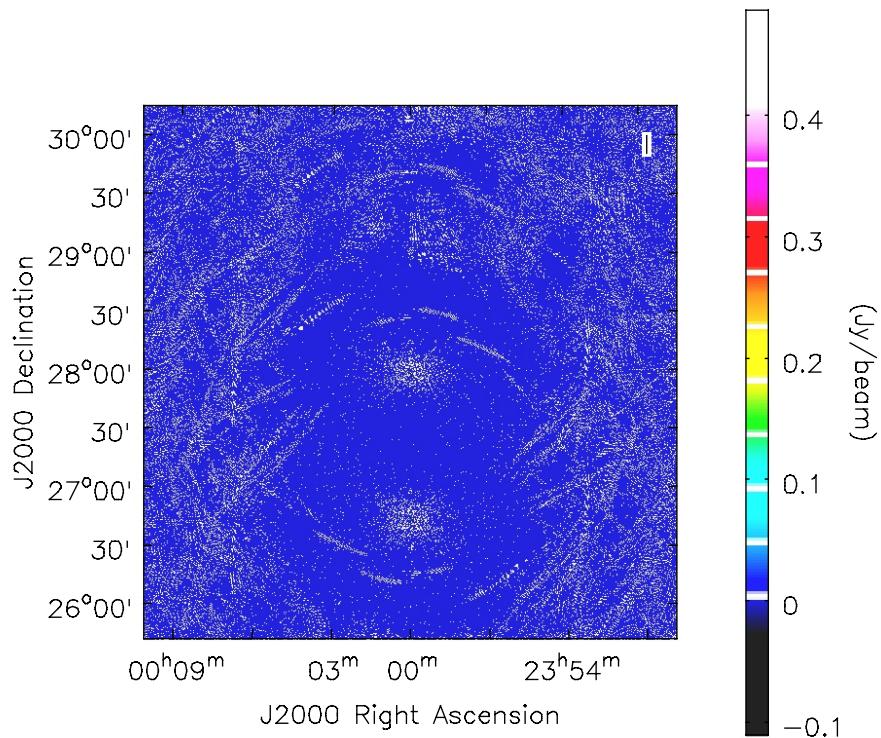


Figure 25: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $28^{\circ}0^{\text{m}}1^{\text{s}}$  and R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $26^{\circ}45^{\text{m}}10^{\text{s}}$ , without Cortes beam applied. Simulation:  $N_a = 100$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

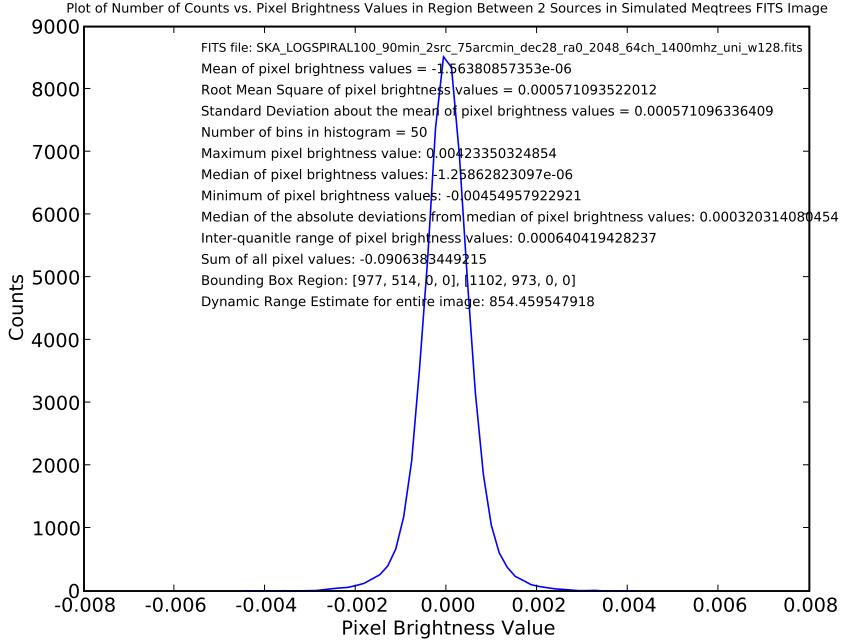


Figure 26: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 25. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

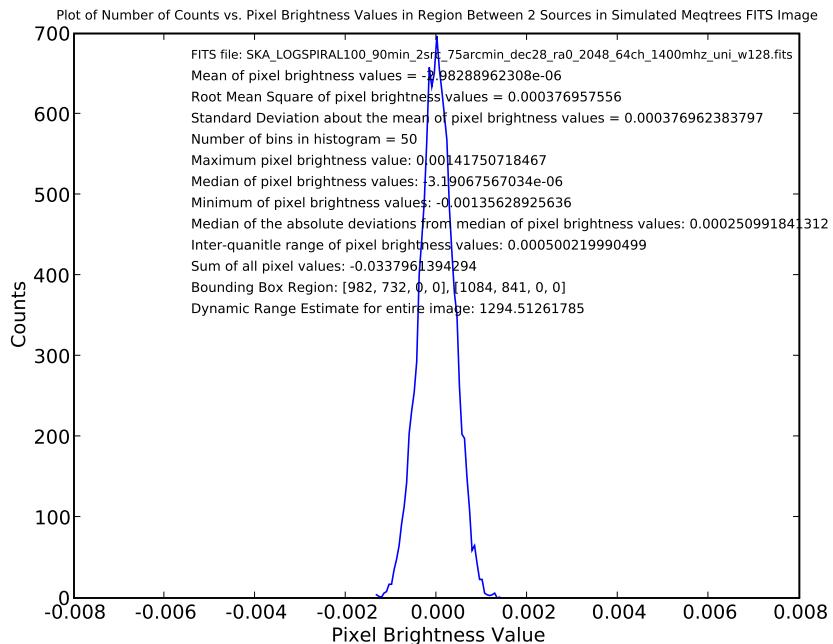


Figure 27: Same Fig. 26 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 25 in obtaining statistical measures.

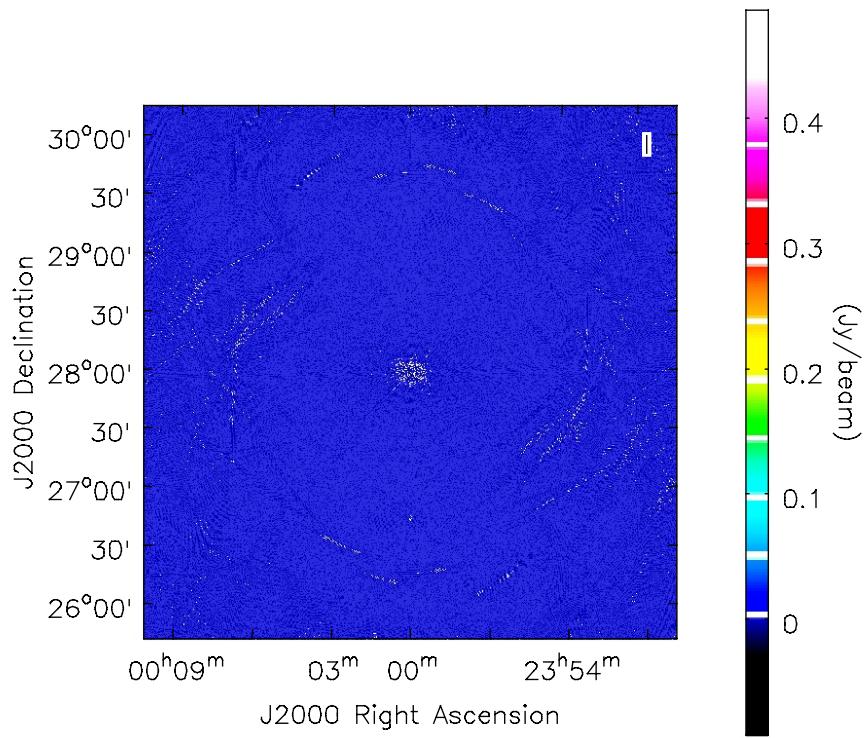


Figure 28: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^h0^m0.1^s$ , Dec.: $28^d0^m1^s$  and R.A.:  $0^h0^m0.1^s$ , Dec.: $26^d45^m10s$ , with Cortes beam but no pointing errors applied. Simulation:  $N_a = 100$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

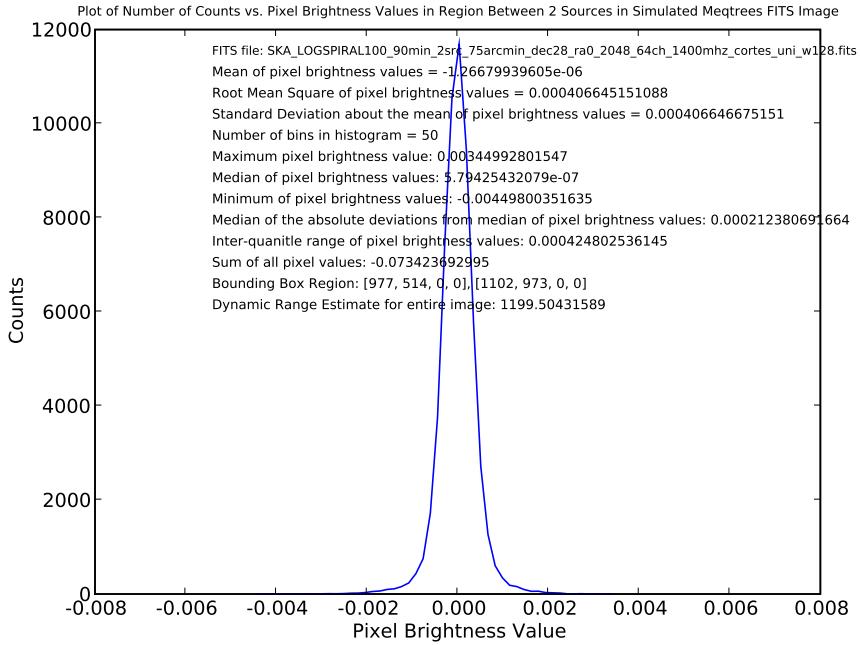


Figure 29: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 28. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

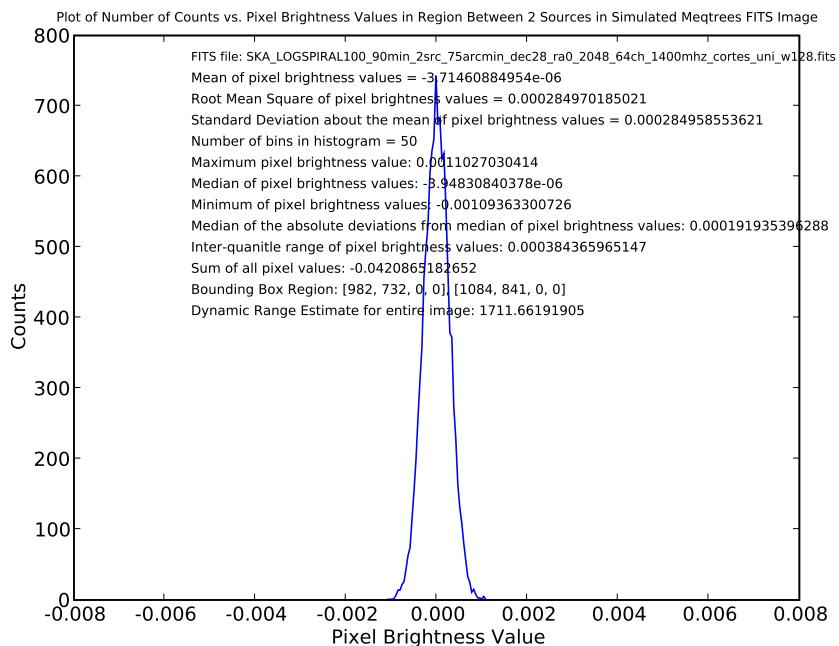


Figure 30: Same as Fig. 29 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 28 in obtaining statistical measures.

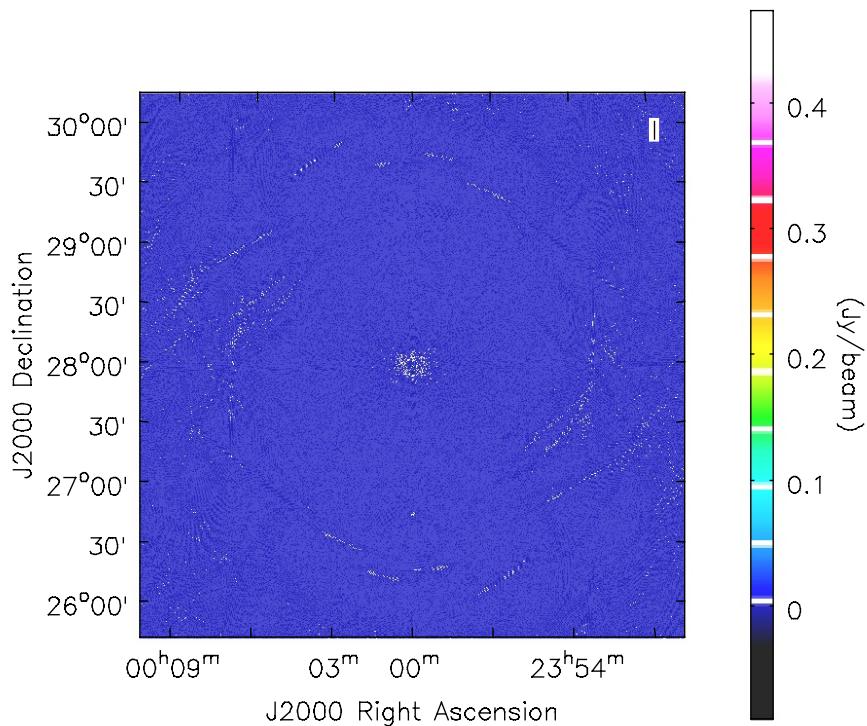


Figure 31: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^h0^m0.1^s$ , Dec.: $28^d0^m1^s$  and R.A.:  $0^h0^m0.1^s$ , Dec.: $26^d45^m10^s$ , with Cortes beam and pointing errors ( $l_{offset} = 0.00172 \text{ rad} = 5.919'$ ,  $m_{offset} = 0.0004 \text{ rad} = 1.416'$ ) applied. Simulation:  $N_a = 75$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

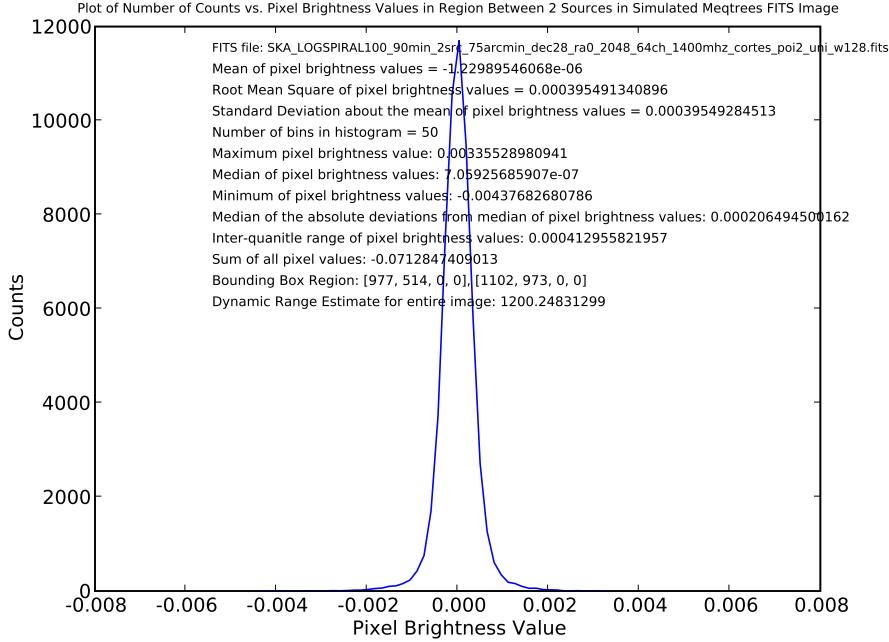


Figure 32: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 31. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

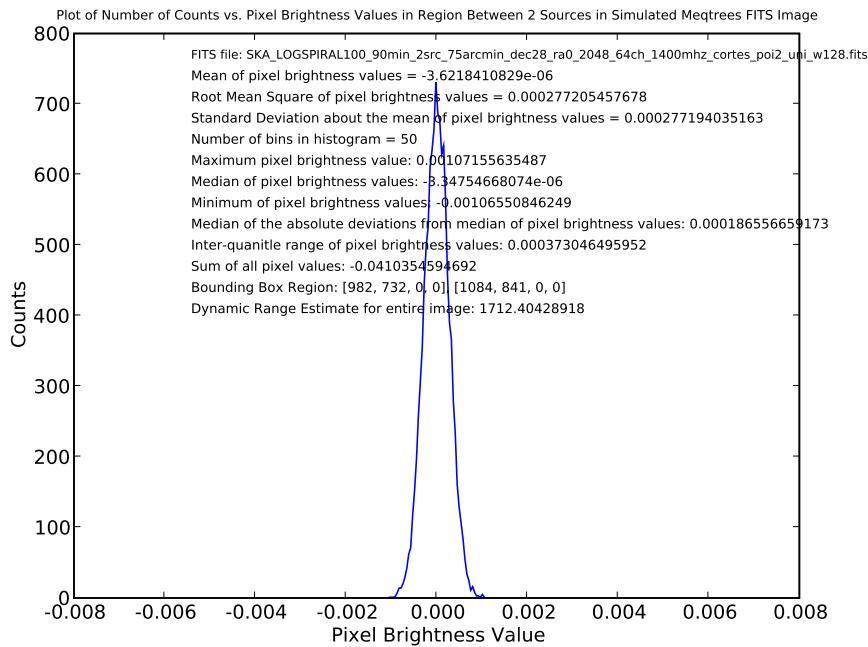


Figure 33: Same as Fig. 32 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 31 in obtaining statistical measures.

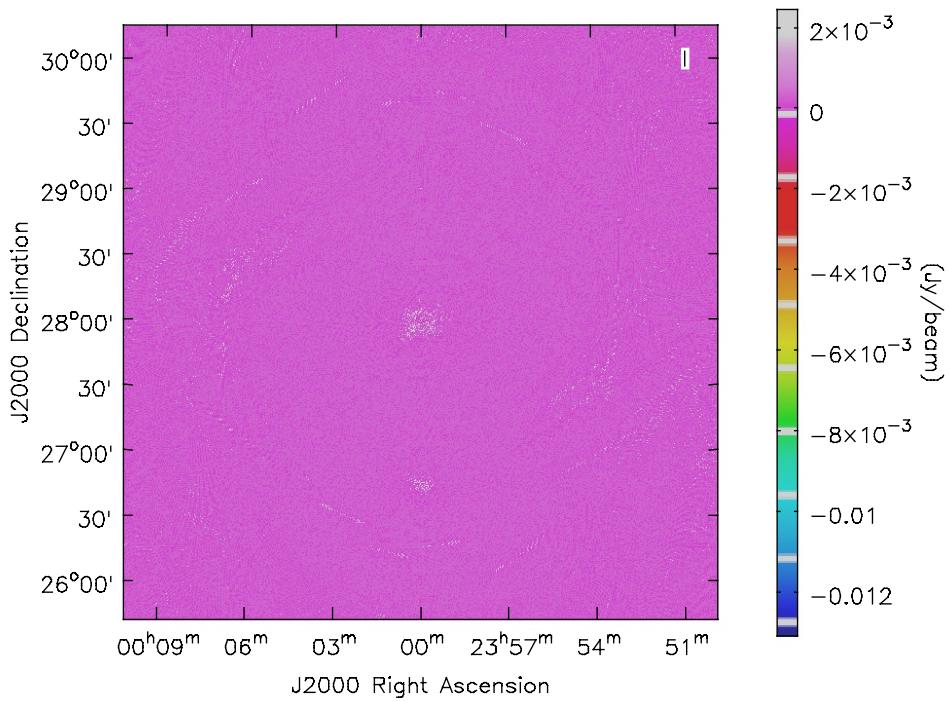


Figure 34: Meqtree SKA simulation and Meqtree-generated dirty image with  $N_a = 100$ ; same as that in previous figures, but in this case image is result of subtracting image from meqtree simulation with cortes beam applied and no pointing errors from image from meqtree simulation with cortes beam applied and pointing errors applied.

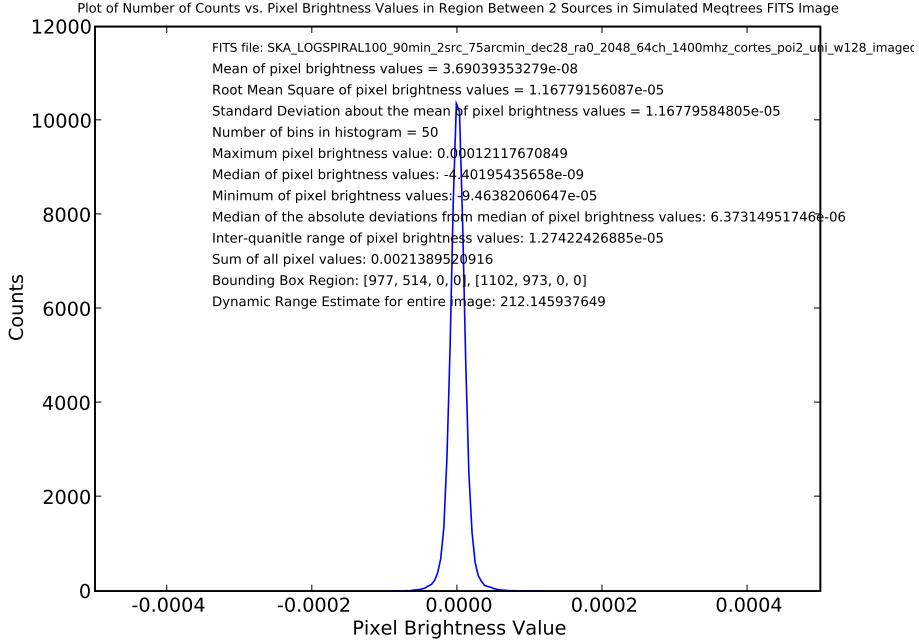


Figure 35: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 34. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

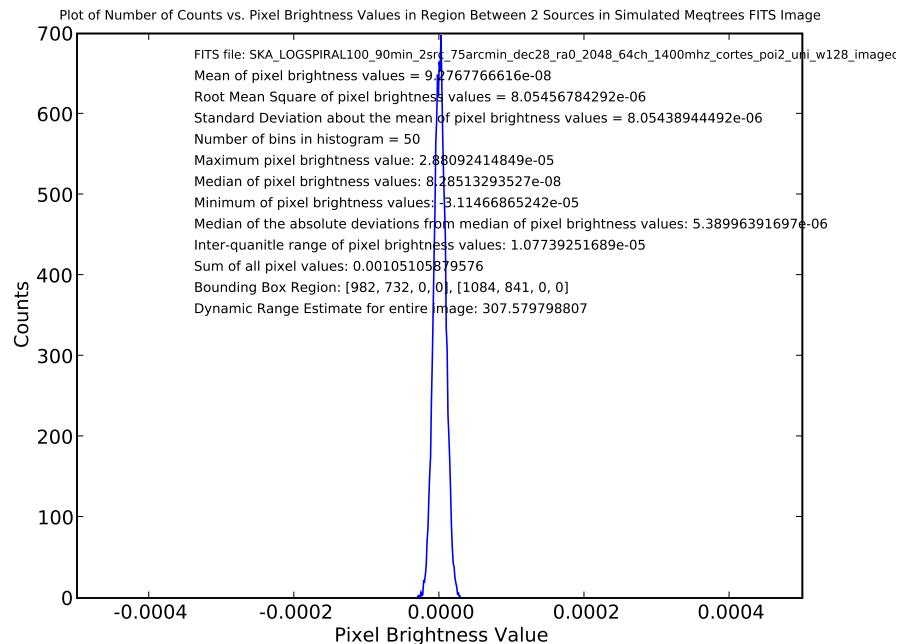


Figure 36: Same as Fig. 35 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 34 in obtaining statistical measures.

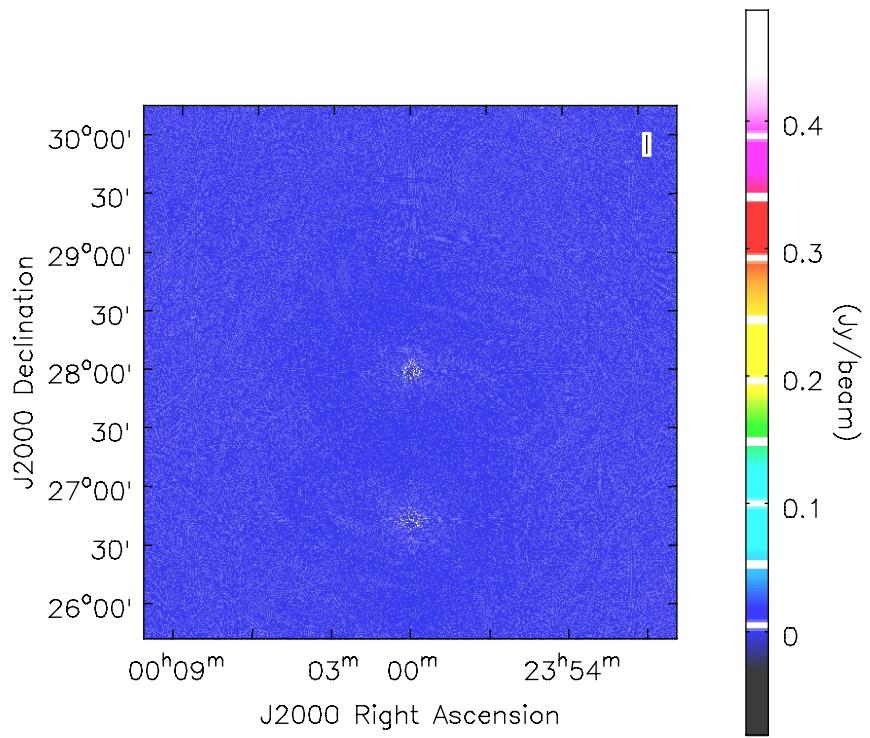


Figure 37: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with  $75'$  separation located at R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $28^{\text{d}}0^{\text{m}}1^{\text{s}}$  and R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $26^{\text{d}}45^{\text{m}}10^{\text{s}}$ , without Cortes beam applied. Simulation:  $N_a = 150$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

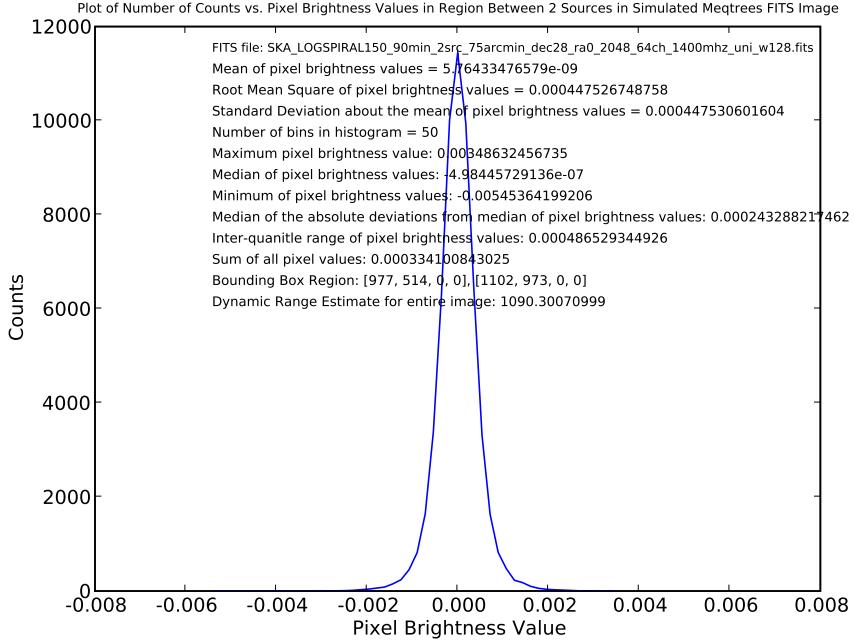


Figure 38: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 37. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

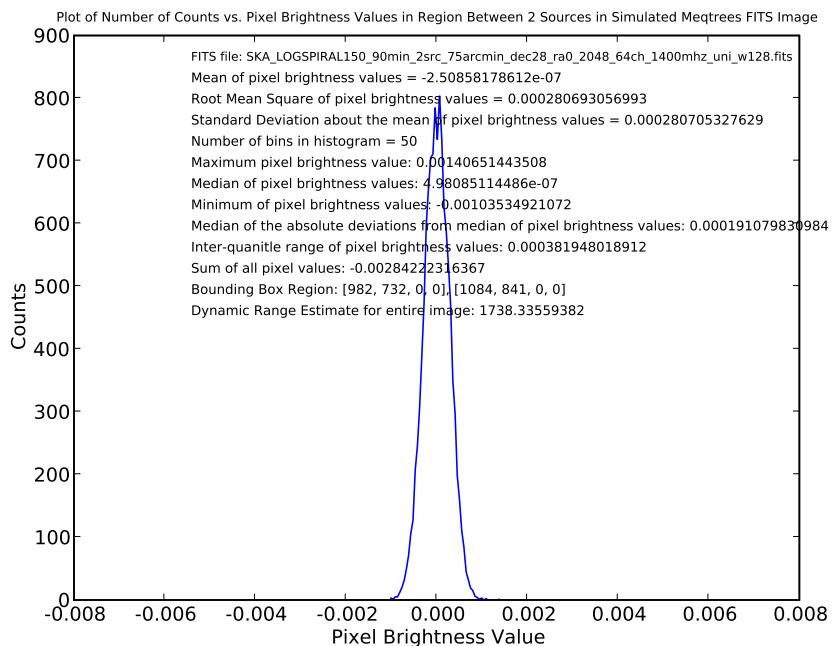


Figure 39: Same Fig. 38 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 37 in obtaining statistical measures.

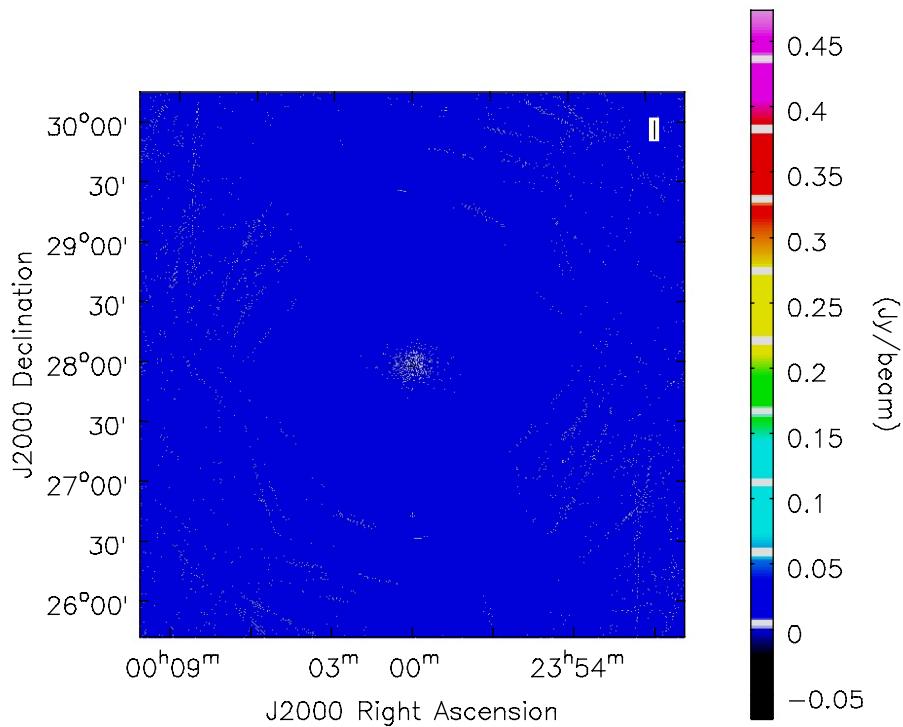


Figure 40: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.: 0<sup>h</sup>0<sup>m</sup>0.1<sup>s</sup>, Dec.:28<sup>d</sup>0<sup>m</sup>1<sup>s</sup> and R.A.: 0<sup>h</sup>0<sup>m</sup>0.1<sup>s</sup>, Dec.:26<sup>d</sup>45<sup>m</sup>10<sup>s</sup> , with Cortes beam but no pointing errors applied. Simulation:  $N_a = 150$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

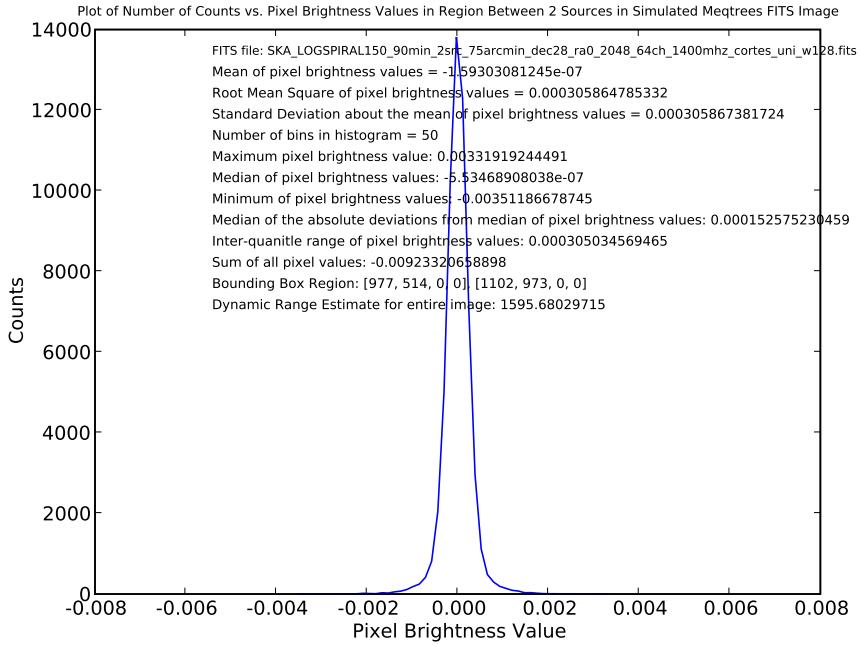


Figure 41: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 40. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

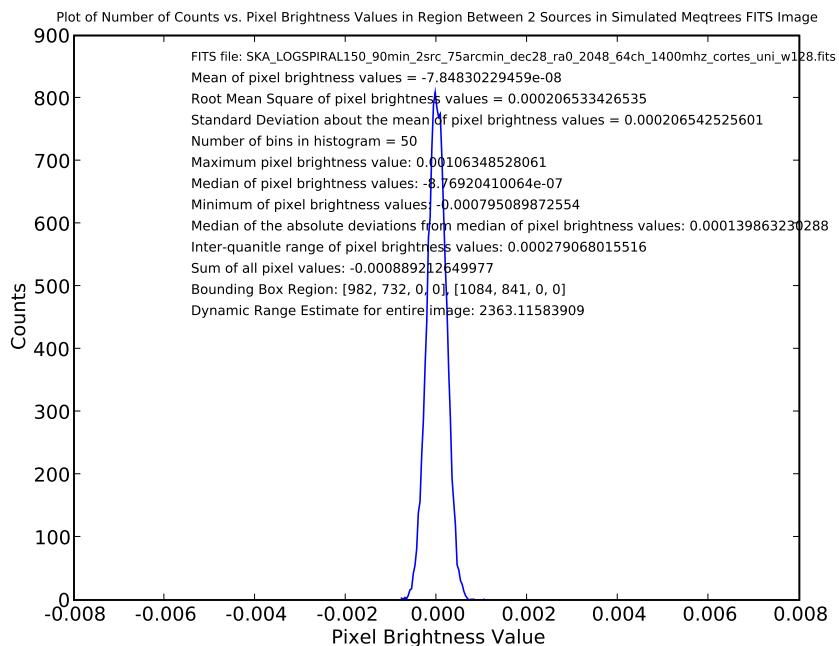


Figure 42: Same as Fig. 41 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 40 in obtaining statistical measures.

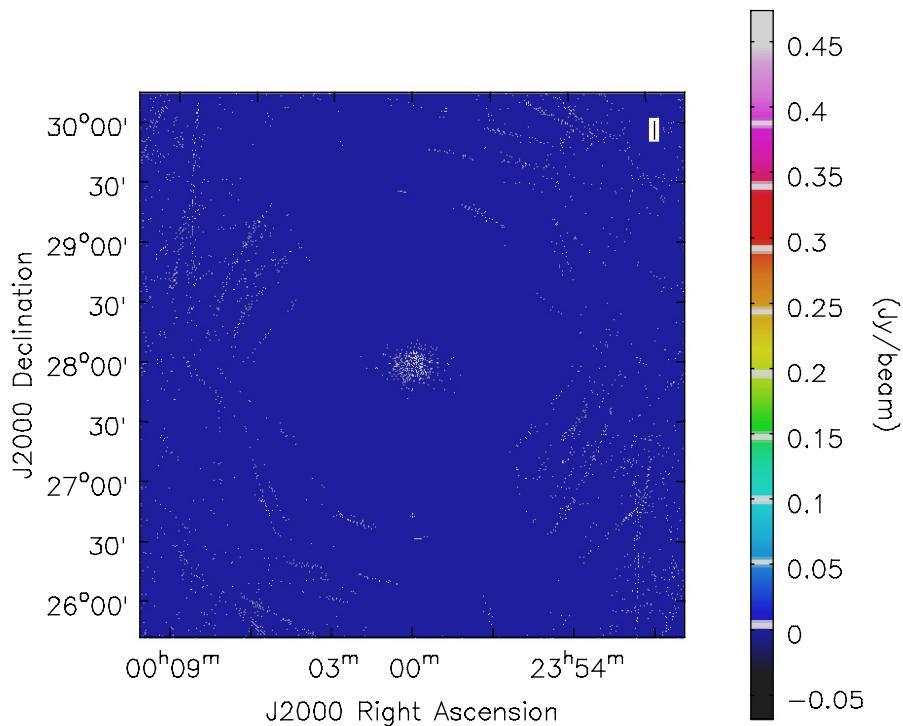


Figure 43: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.: 0<sup>h</sup>0<sup>m</sup>0.1<sup>s</sup>, Dec.: 28<sup>d</sup>0<sup>m</sup>1<sup>s</sup> and R.A.: 0<sup>h</sup>0<sup>m</sup>0.1<sup>s</sup>, Dec.: 26<sup>d</sup>45<sup>m</sup>10<sup>s</sup>, with Cortes beam and pointing errors ( $l_{offset} = 0.00172 \text{ rad} = 5.919'$ ,  $m_{offset} = 0.0004 \text{ rad} = 1.416'$ ) applied. Simulation:  $N_a = 150$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

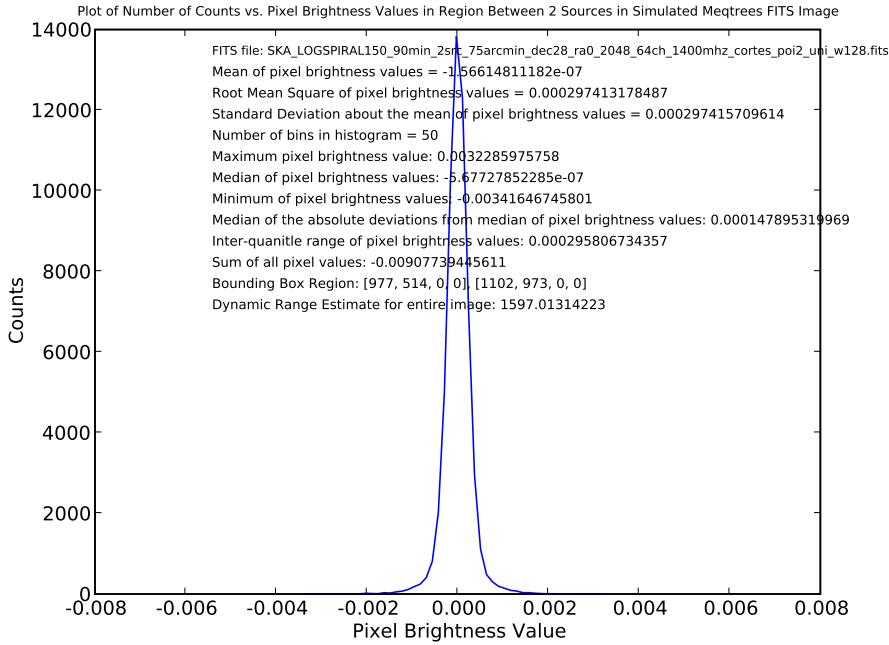


Figure 44: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 43. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

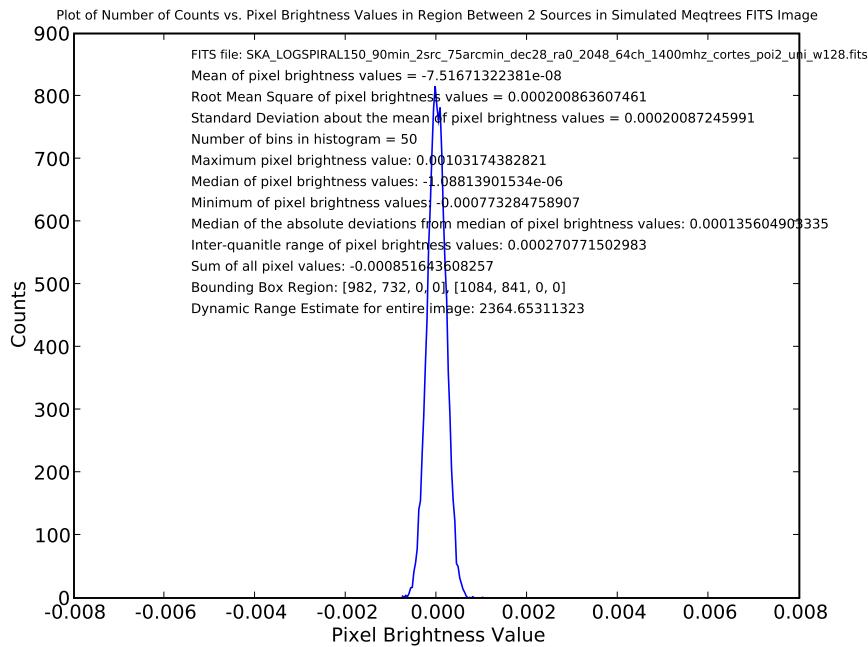


Figure 45: Same as Fig. 44 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 43 in obtaining statistical measures.

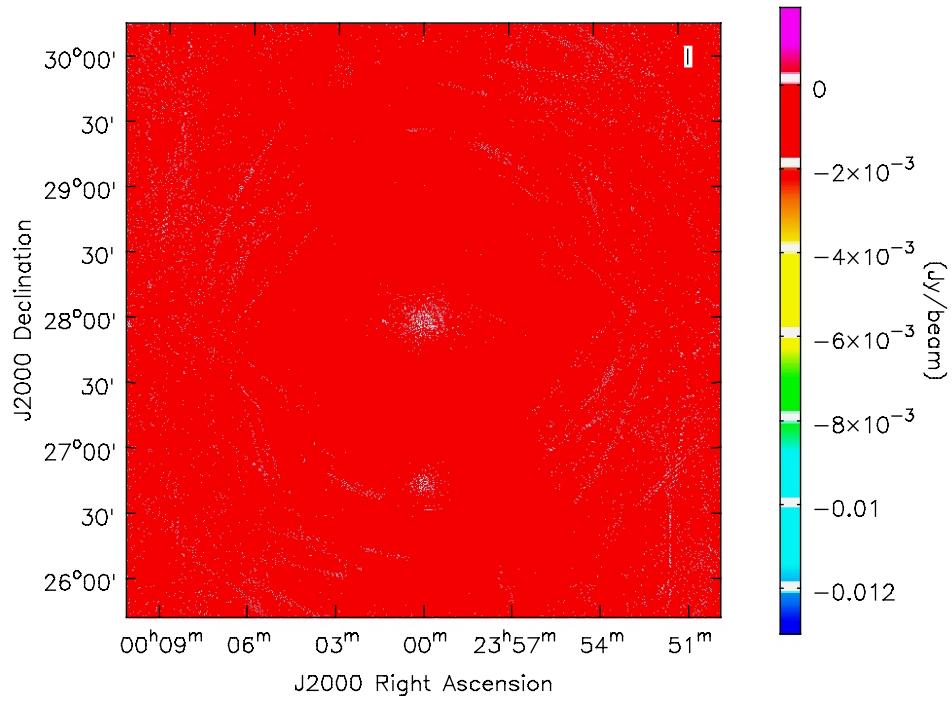


Figure 46: Meqtree SKA simulation and Meqtree-generated dirty image with  $N_a = 150$ ; same as that in previous figures, but in this case image is result of subtracting image from meqtree simulation with cortes beam applied and no pointing errors from image from meqtree simulation with cortes beam applied and pointing errors applied.

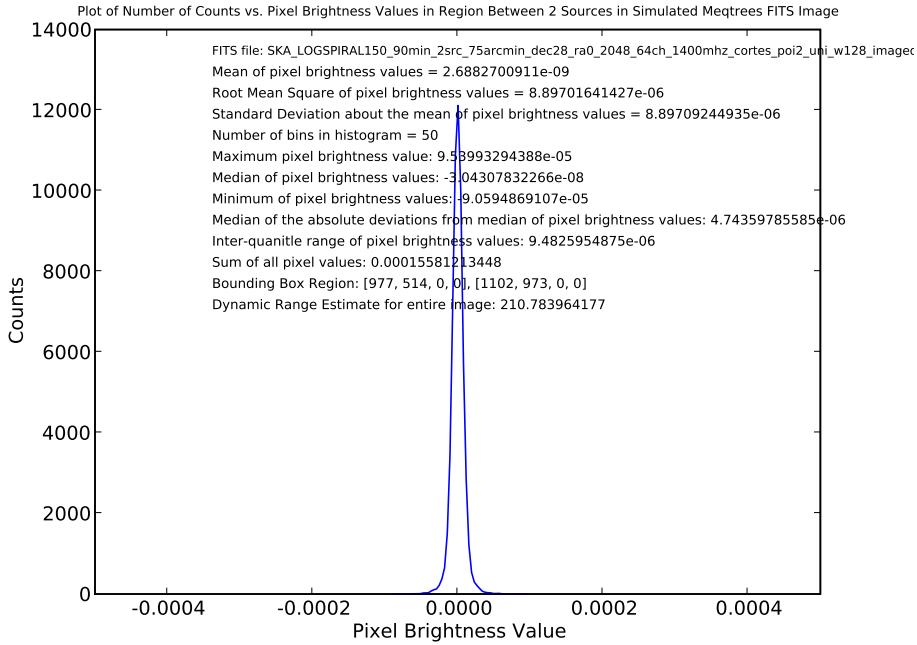


Figure 47: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 46. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

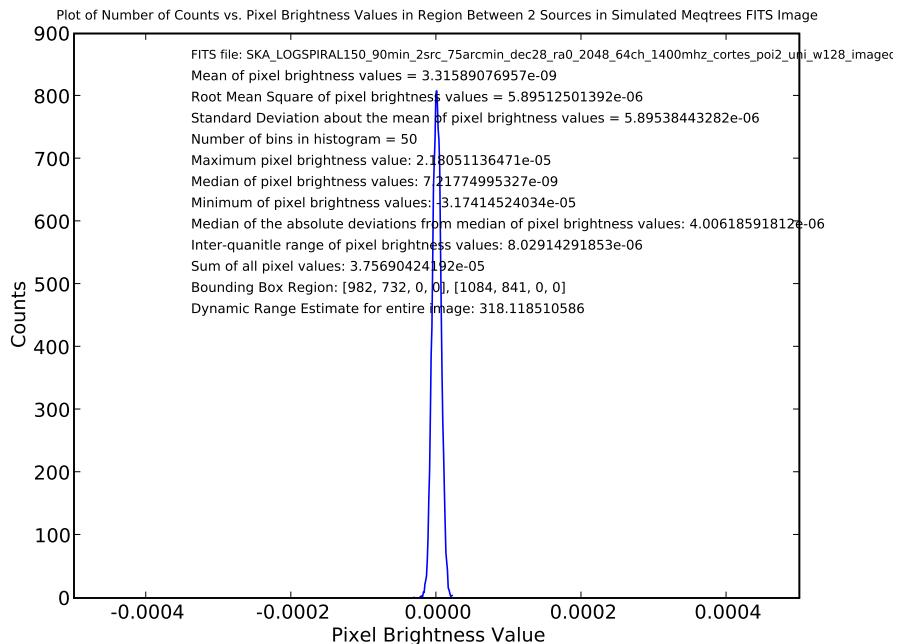


Figure 48: Same as Fig. 47 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 46 in obtaining statistical measures.

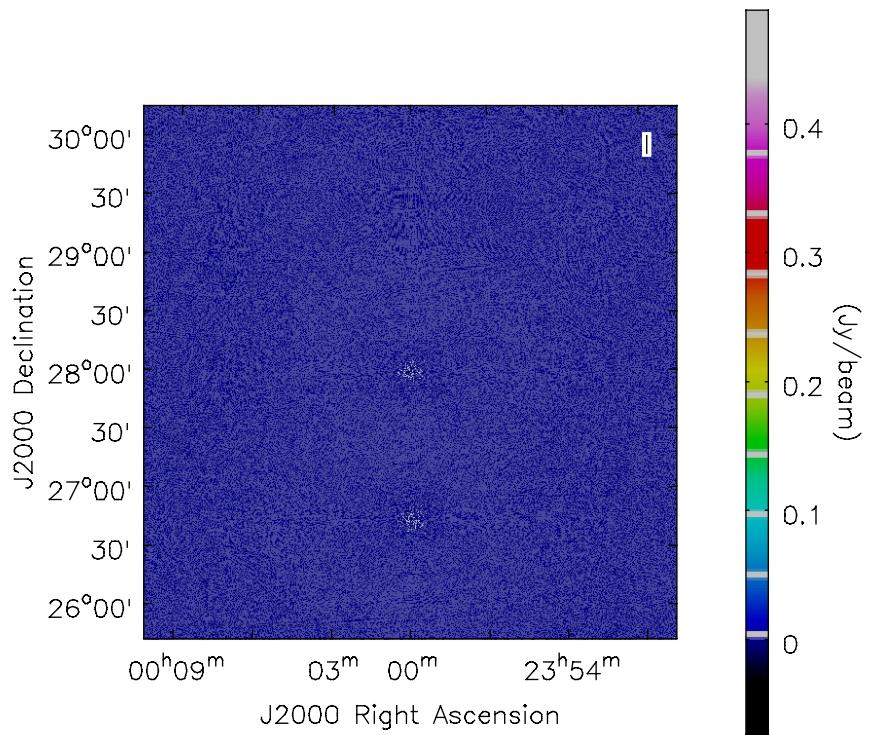


Figure 49: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $28^{\text{d}}0^{\text{m}}1^{\text{s}}$  and R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $26^{\text{d}}45^{\text{m}}10^{\text{s}}$ , without Cortes beam applied. Simulation:  $N_a = 200$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

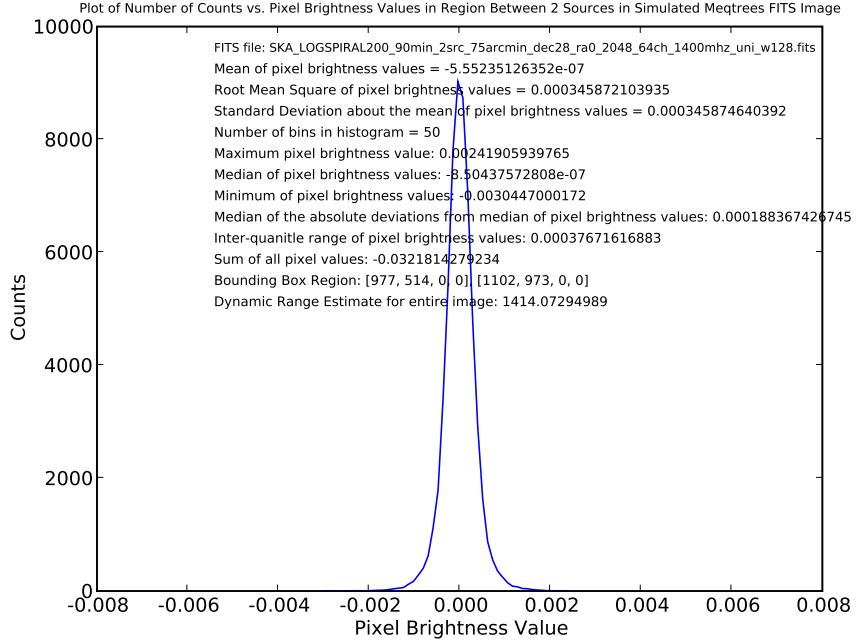


Figure 50: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 49. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

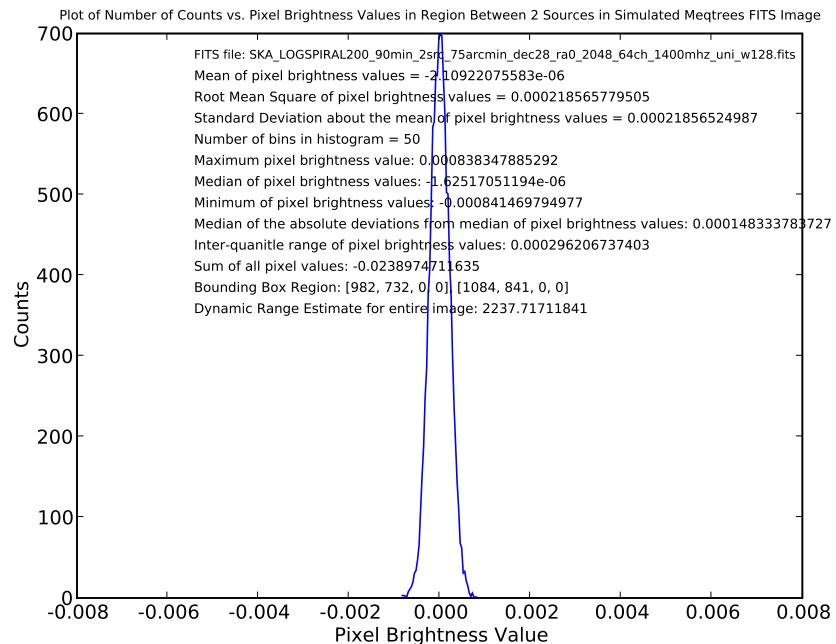


Figure 51: Same Fig. 50 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 49 in obtaining statistical measures.

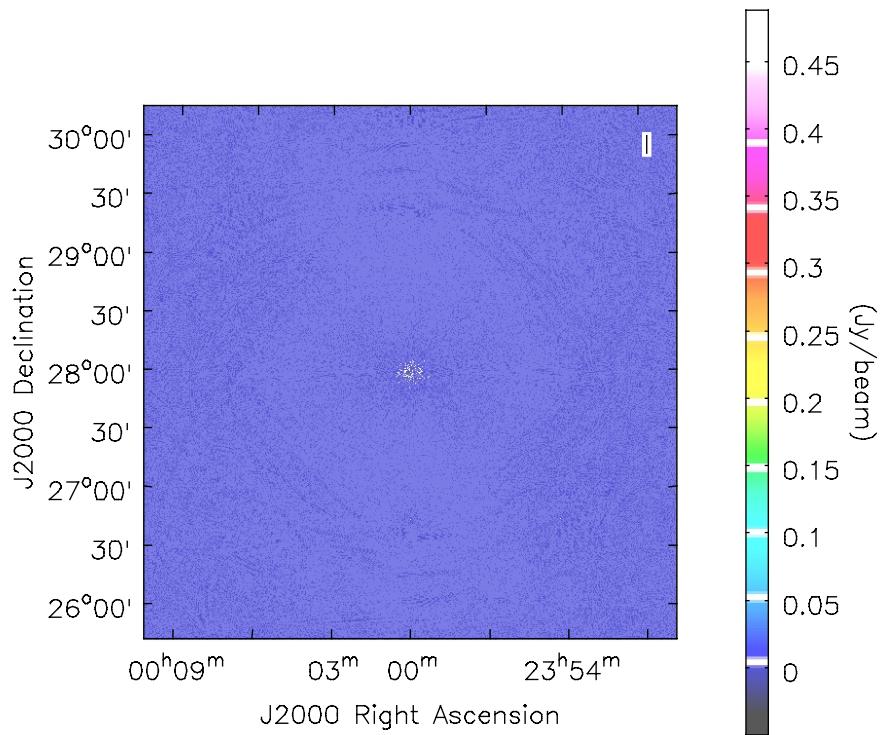


Figure 52: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $28^{\text{d}}0^{\text{m}}1^{\text{s}}$  and R.A.:  $0^{\text{h}}0^{\text{m}}0.1^{\text{s}}$ , Dec.: $26^{\text{d}}45^{\text{m}}10^{\text{s}}$ , with Cortes beam but no pointing errors applied. Simulation:  $N_a = 200$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

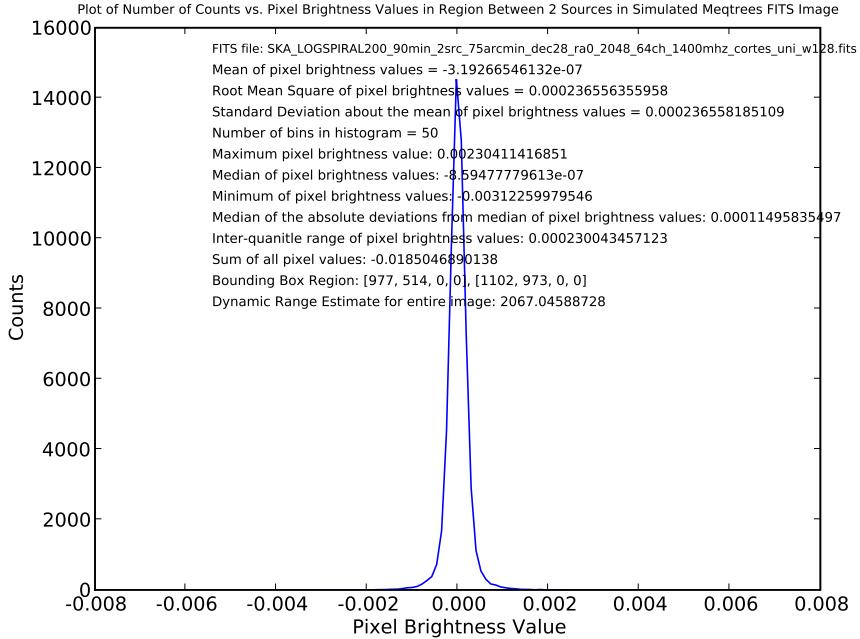


Figure 53: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 52. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

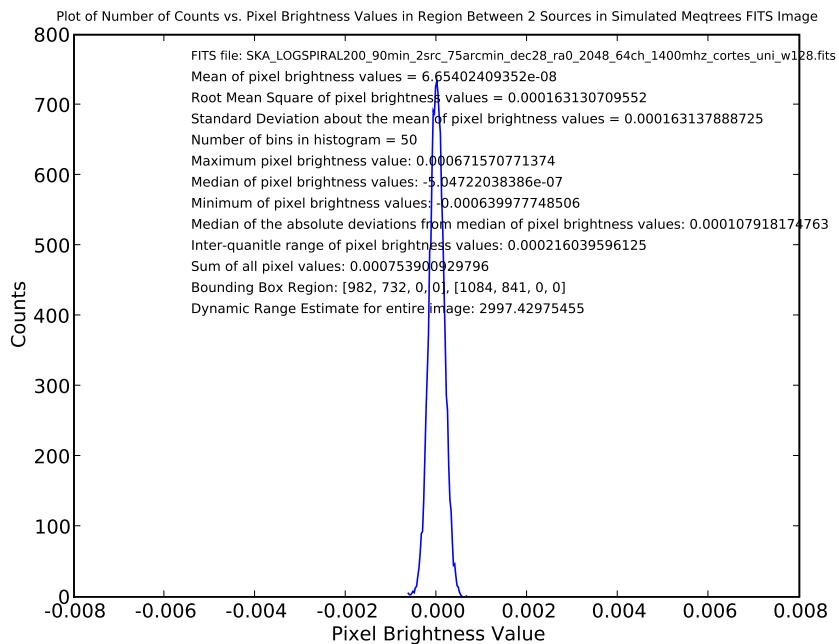


Figure 54: Same as Fig. 53 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 52 in obtaining statistical measures.

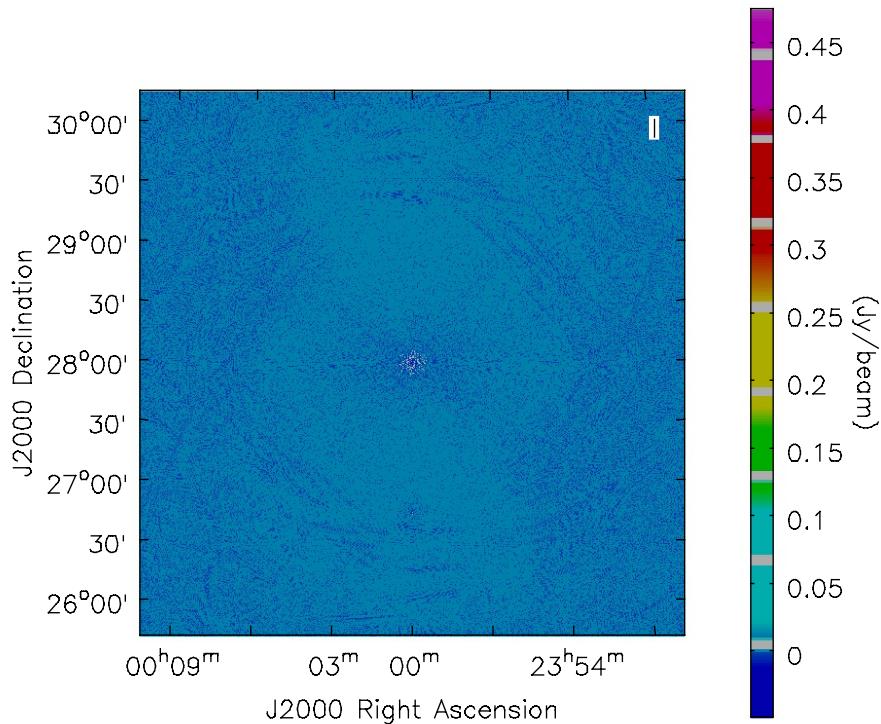


Figure 55: Meqtree SKA simulation and Meqtree-generated dirty image of two 1 Jy point sources with 75' separation located at R.A.: 0<sup>h</sup>0<sup>m</sup>0.1<sup>s</sup>, Dec.:28<sup>d</sup>0<sup>m</sup>1<sup>s</sup> and R.A.: 0<sup>h</sup>0<sup>m</sup>0.1<sup>s</sup>, Dec.:26<sup>d</sup>45<sup>m</sup>10<sup>s</sup>, with Cortes beam and pointing errors ( $l_{offset} = 0.00172 \text{ rad} = 5.919'$ ,  $m_{offset} = 0.0004 \text{ rad} = 1.416'$ ) applied. Simulation:  $N_a = 200$ , same as in previous progress reports; image displayed, zoomed in, and brightness-contrast colormap adjustments with casaviewer; colormap used: 'isophotes'.

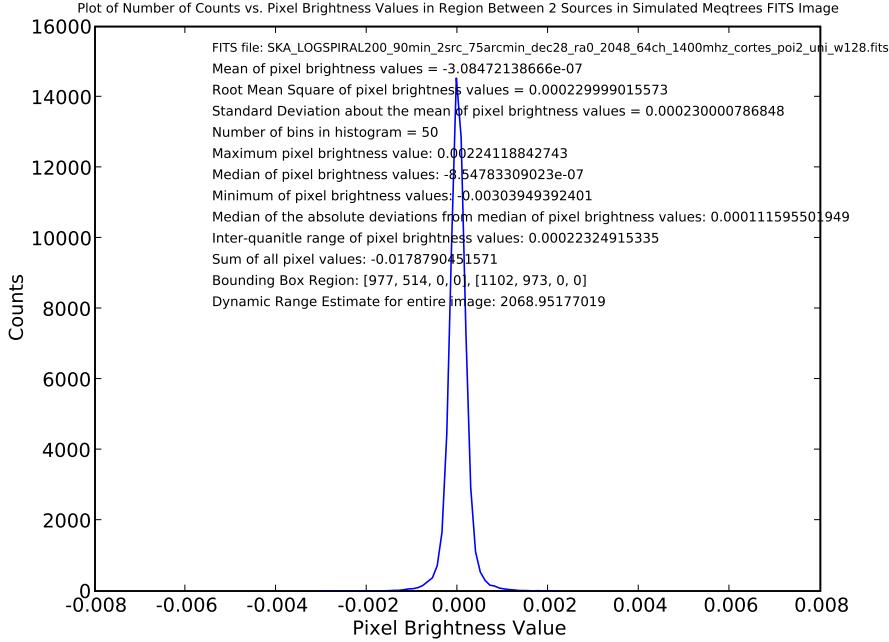


Figure 56: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 55. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) positive pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

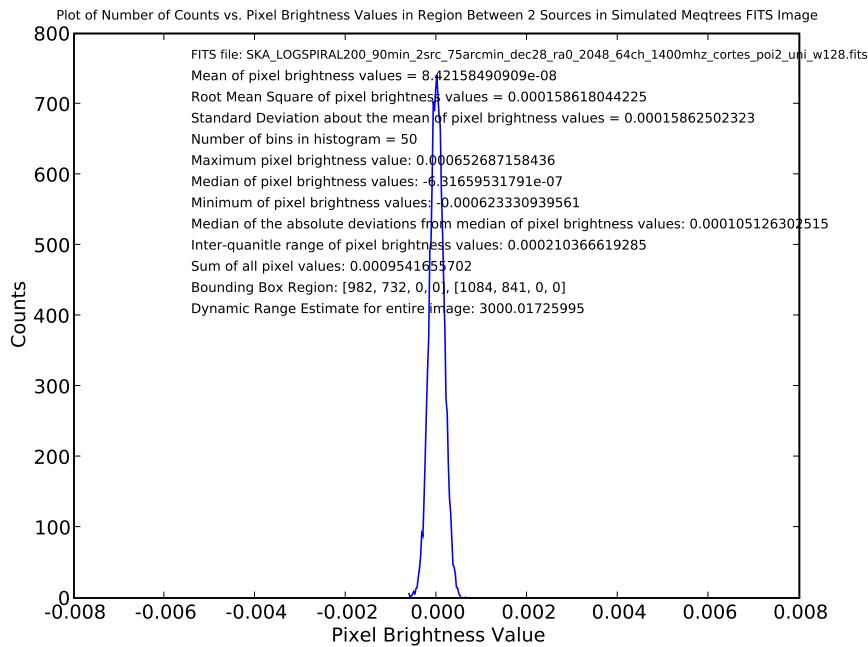


Figure 57: Same as Fig. 56 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 55 in obtaining statistical measures.

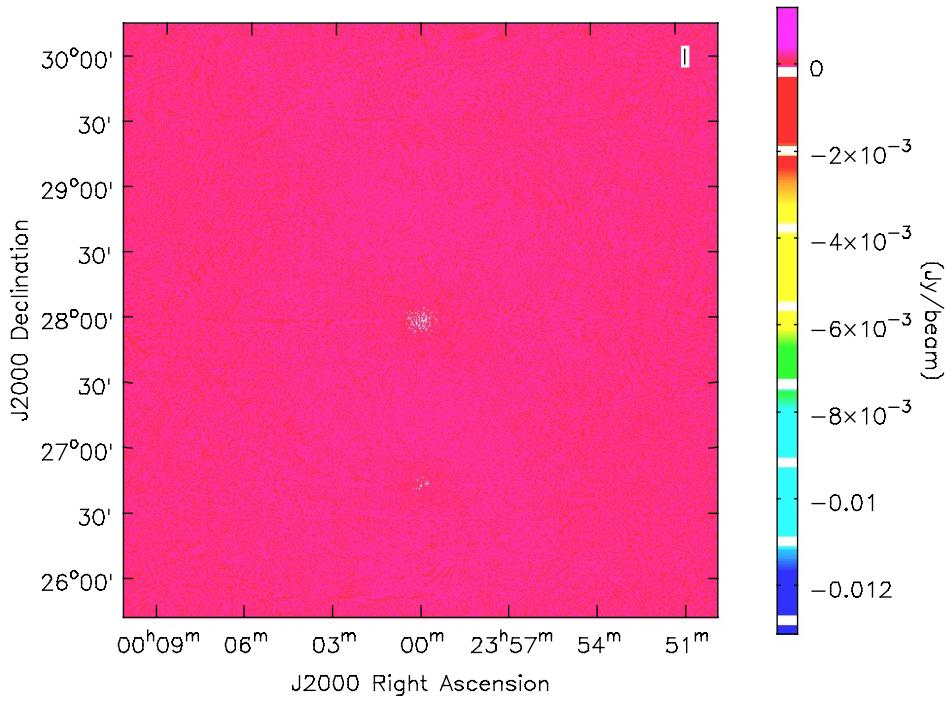


Figure 58: Meqtree SKA simulation and Meqtree-generated dirty image with  $N_a = 200$ ; same as that in previous figures, but in this case image is result of subtracting image from meqtree simulation with cortes beam applied and no pointing errors from image from meqtree simulation with cortes beam applied and pointing errors applied.

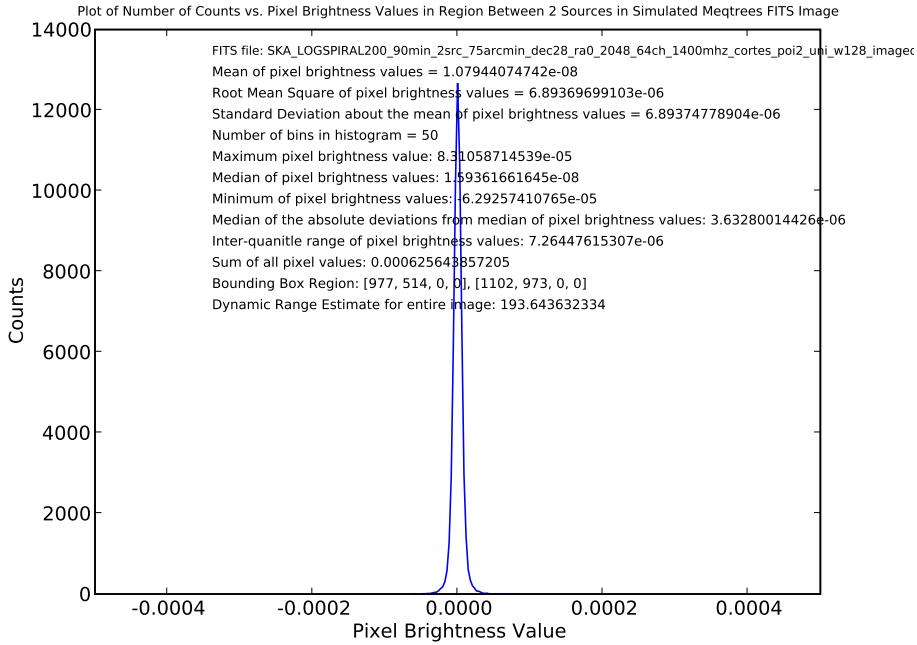


Figure 59: Line plot of counts vs. pixel brightness value for a specified bounding box region (bottom left corner = [977,514,0,0], top right corner = [1102,973,0,0]) between but not including the two point sources in Fig. 58. Statistical measures calculated within the bounding box region are included in the plot. The dynamic range estimate is for the entire image and is taken as the ratio of the brightest (largest) pixel brightness value in the image to the rms of pixel brightness values in the bounding box region.

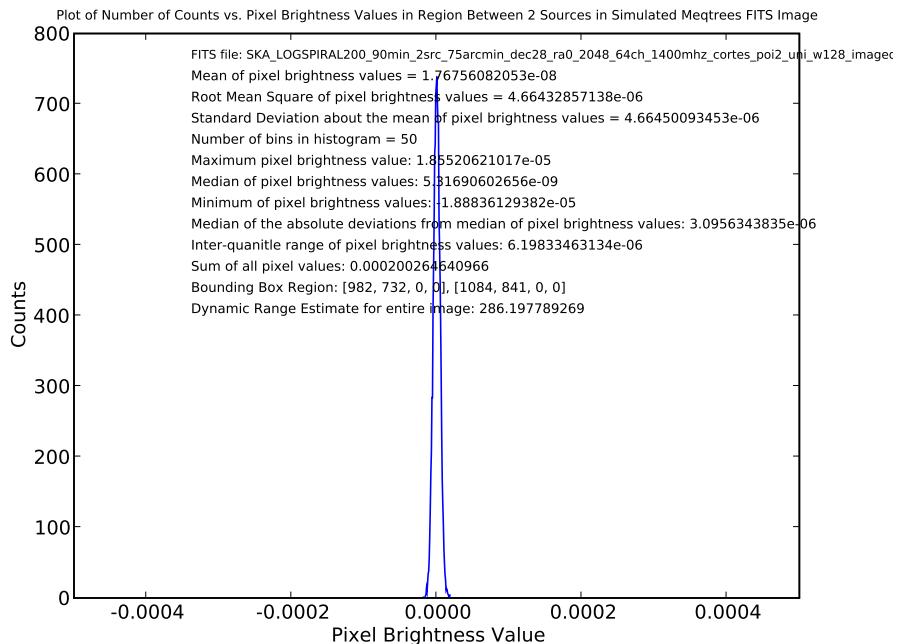


Figure 60: Same as Fig. 59 except smaller bounding box region (bottom left corner = [982,732,0,0], top right corner = [1084,841,0,0]) used between the two point sources in Fig. 58 in obtaining statistical measures.