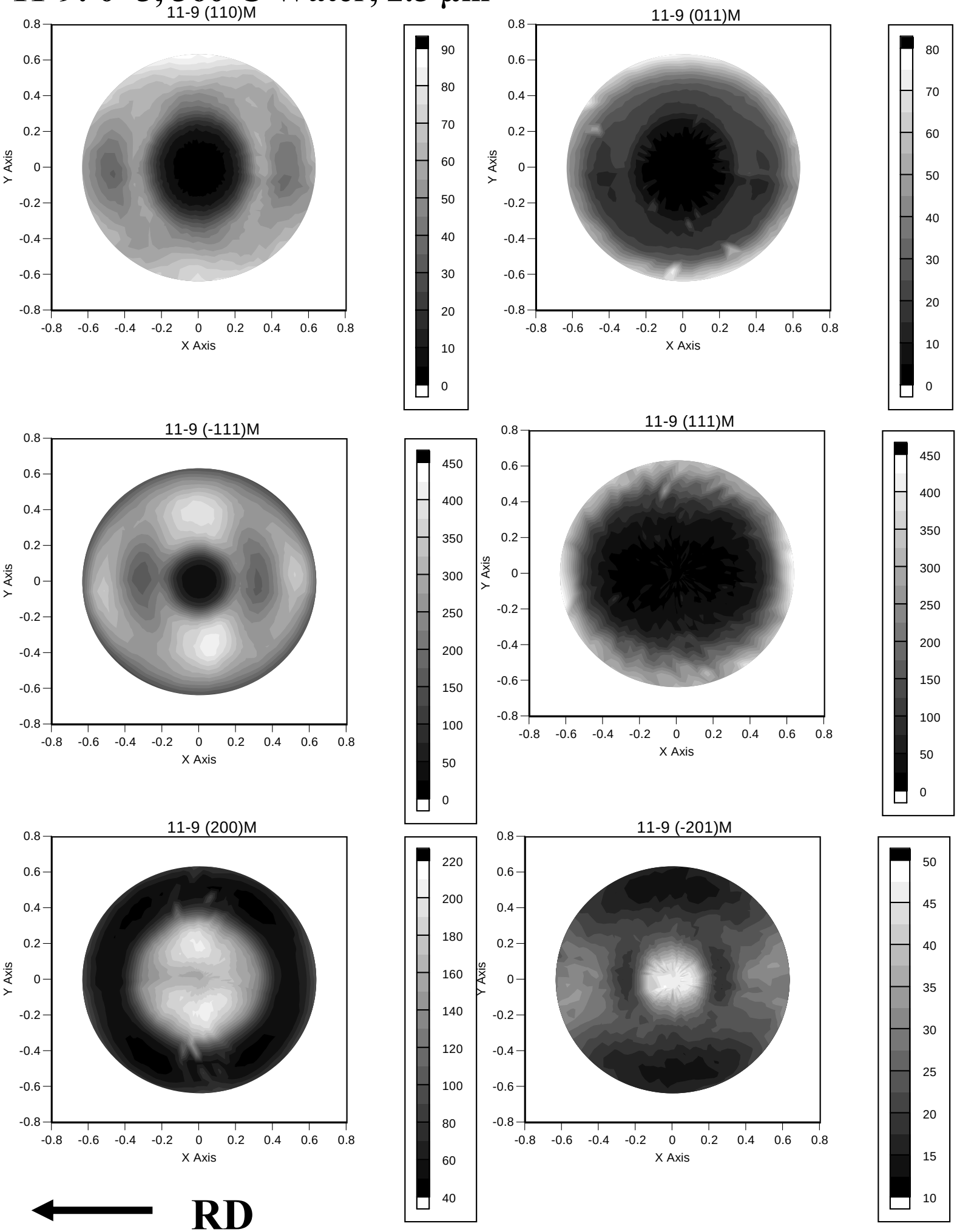
APPENDIX - E

Pole Figures from Model Alloy Oxides in Frontal Geometry

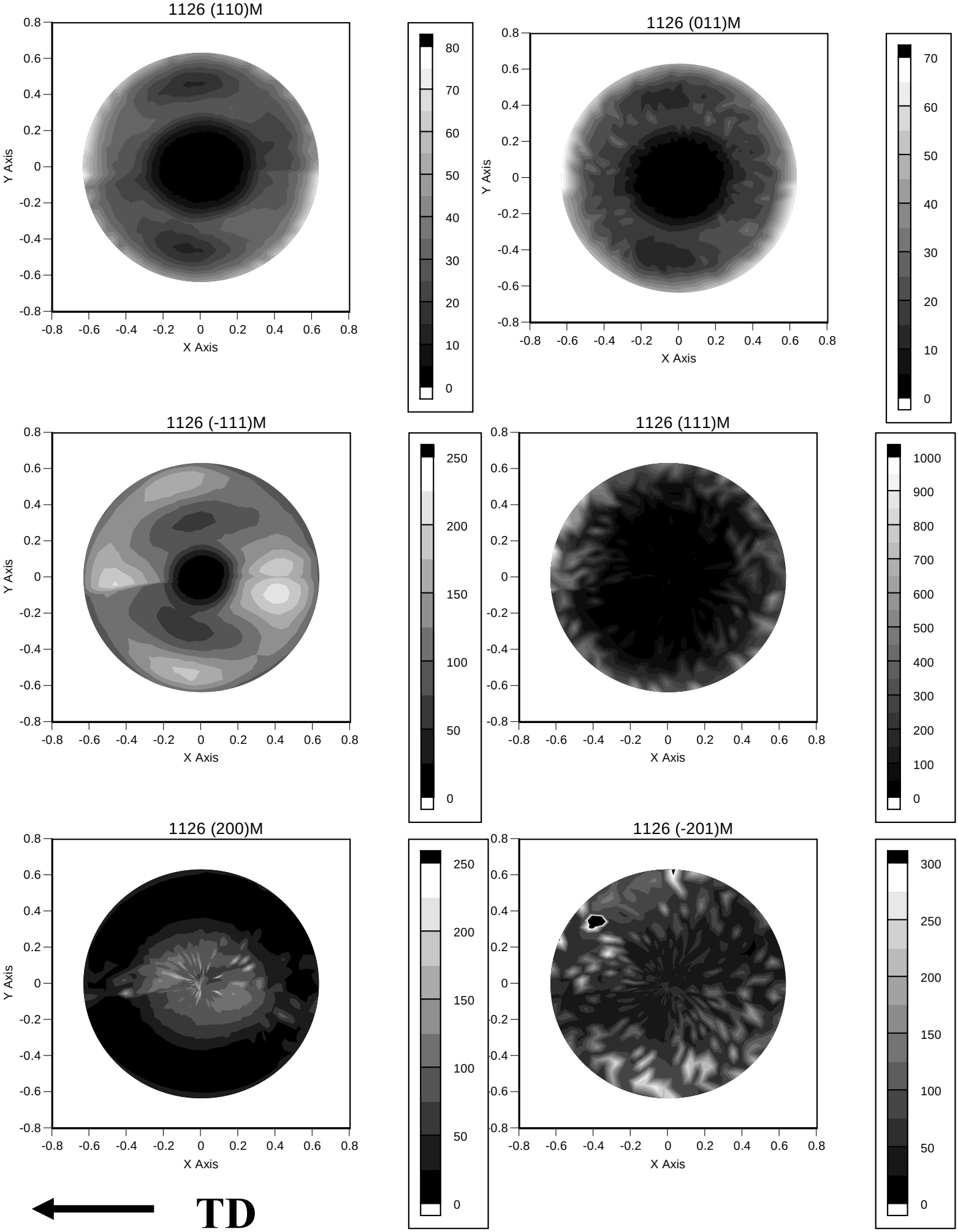
1BM Pole Figures

360°C Water

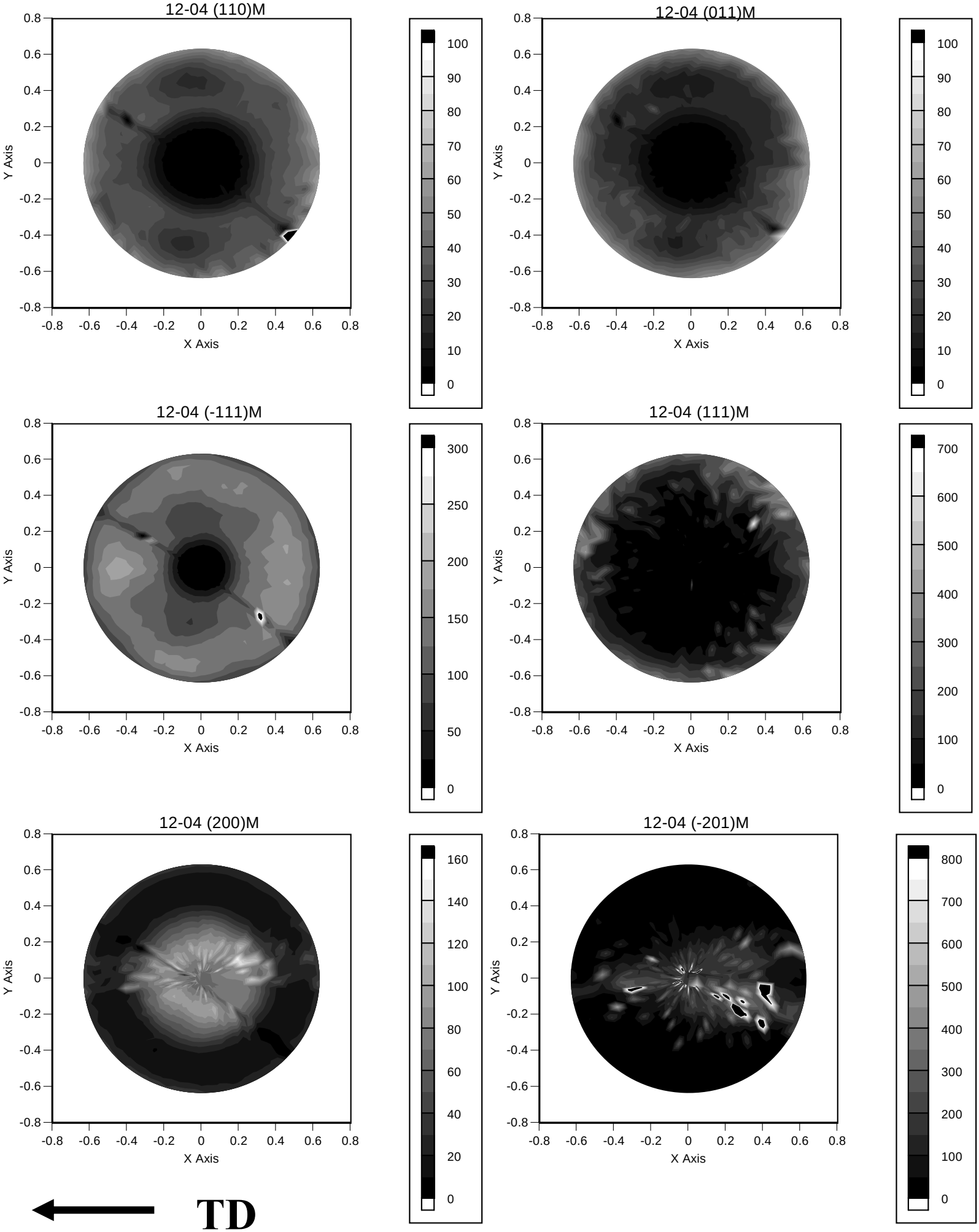
11-9: θ=3, 360°C Water, 2.5 µm



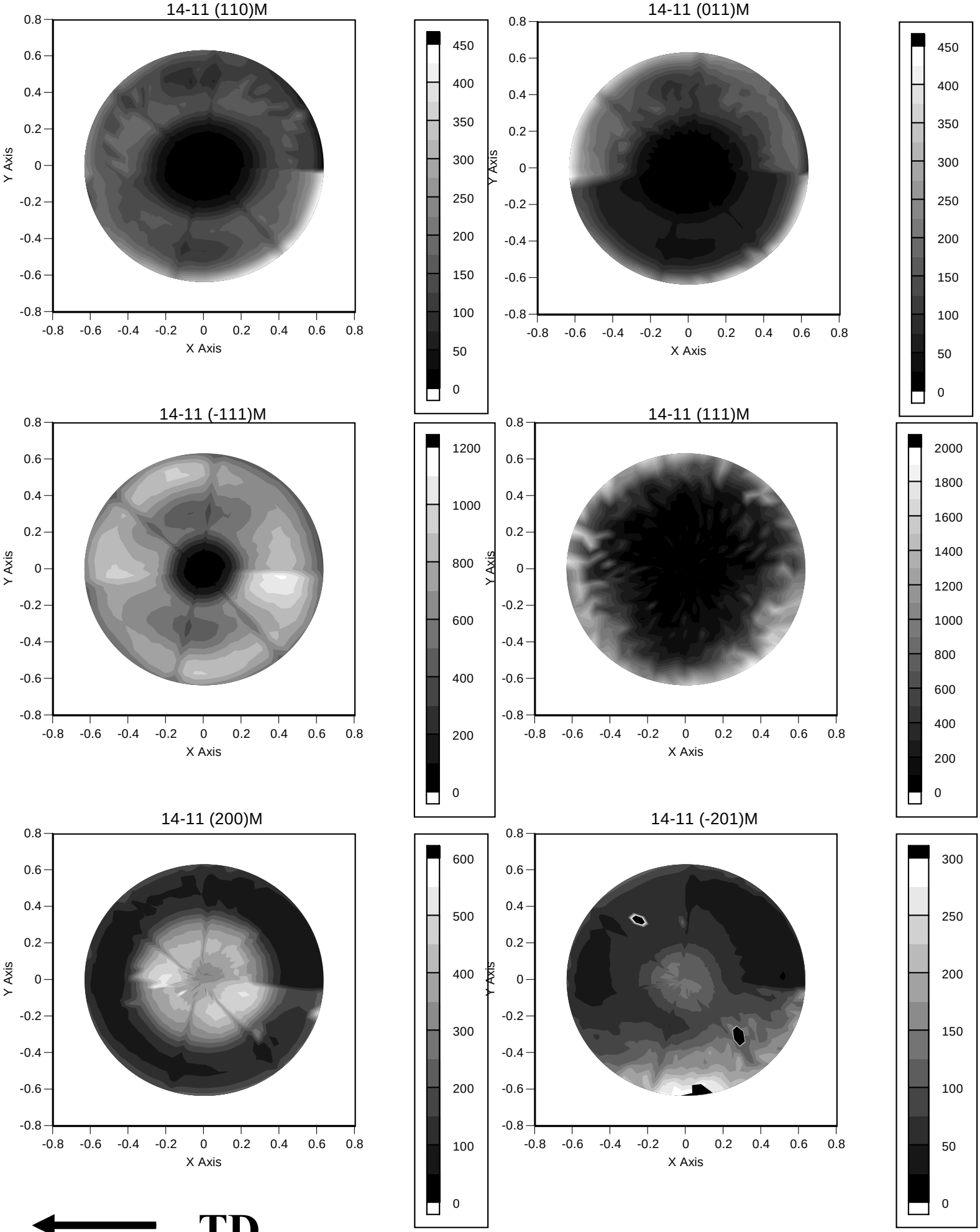
11-26: 360°C Water, 72 hrs, 0.7 µm



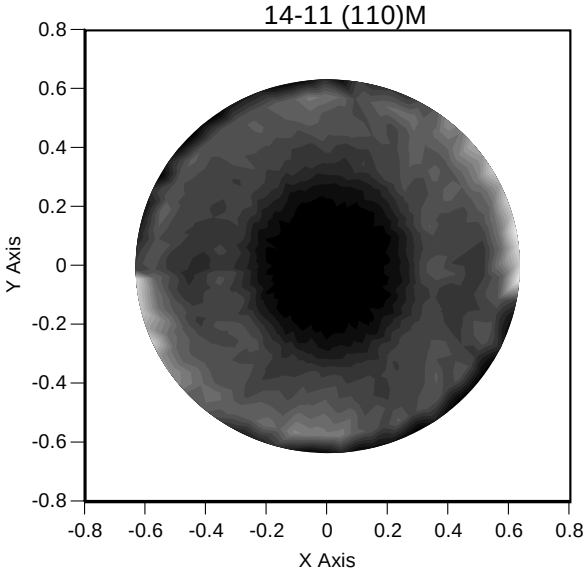
12-04: 360°C Water, 1.53 µm

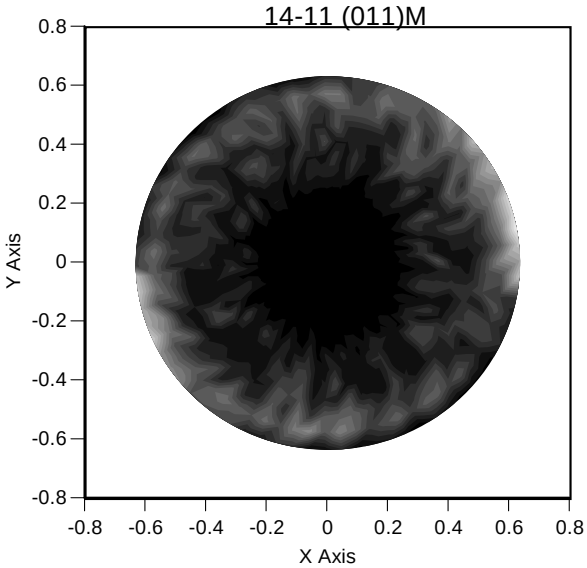


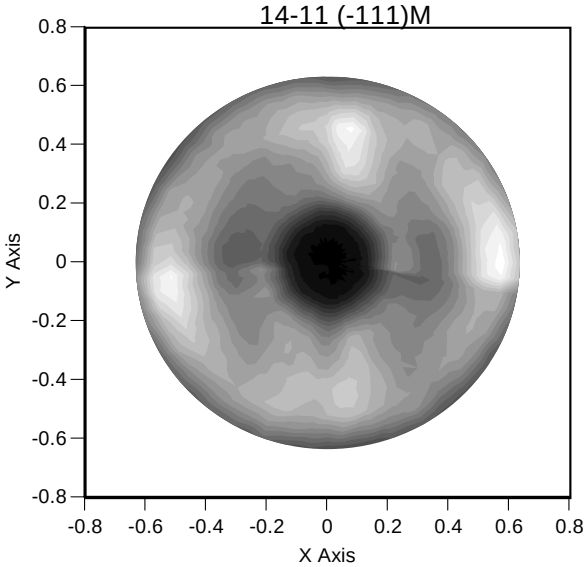
14-11: 360°C Water, 1.6 µm

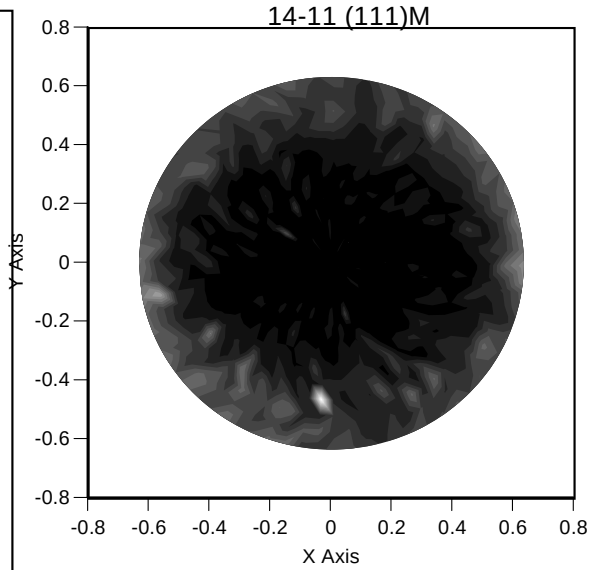


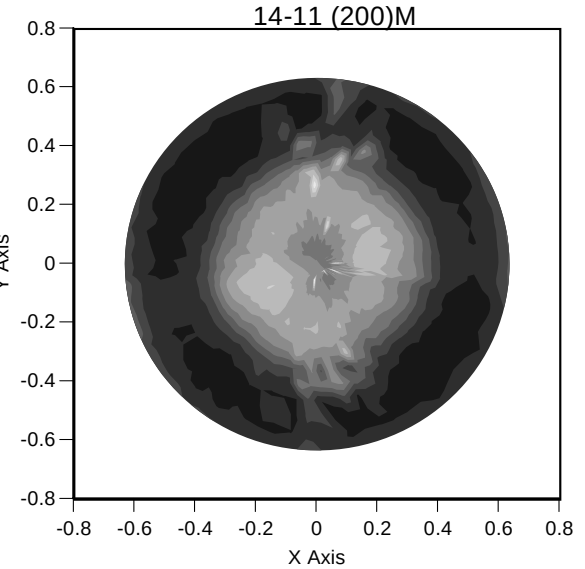
14-11: 360°C Water, 1.6 µm

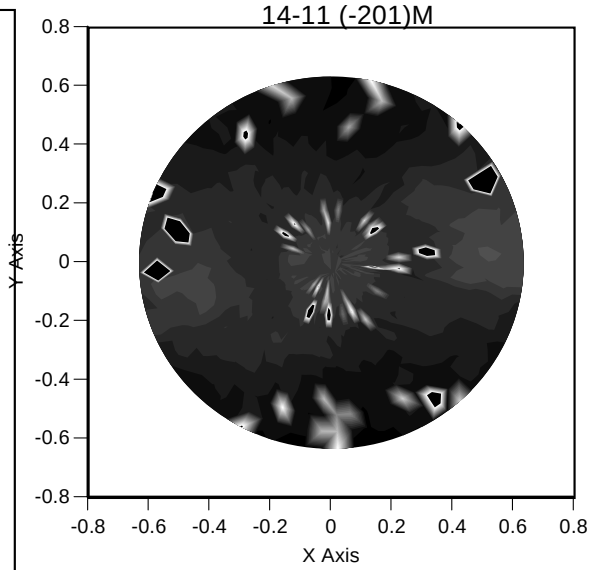






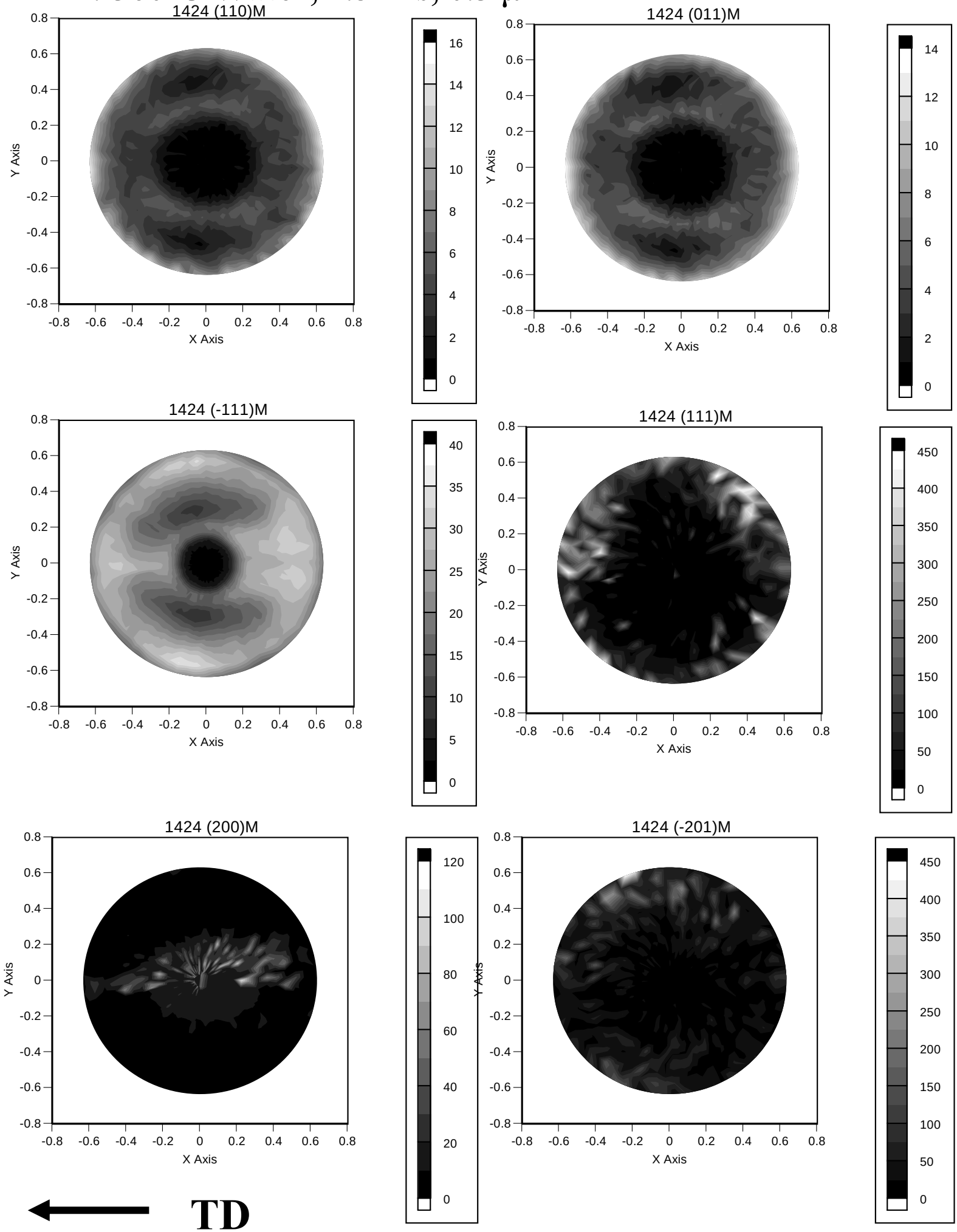




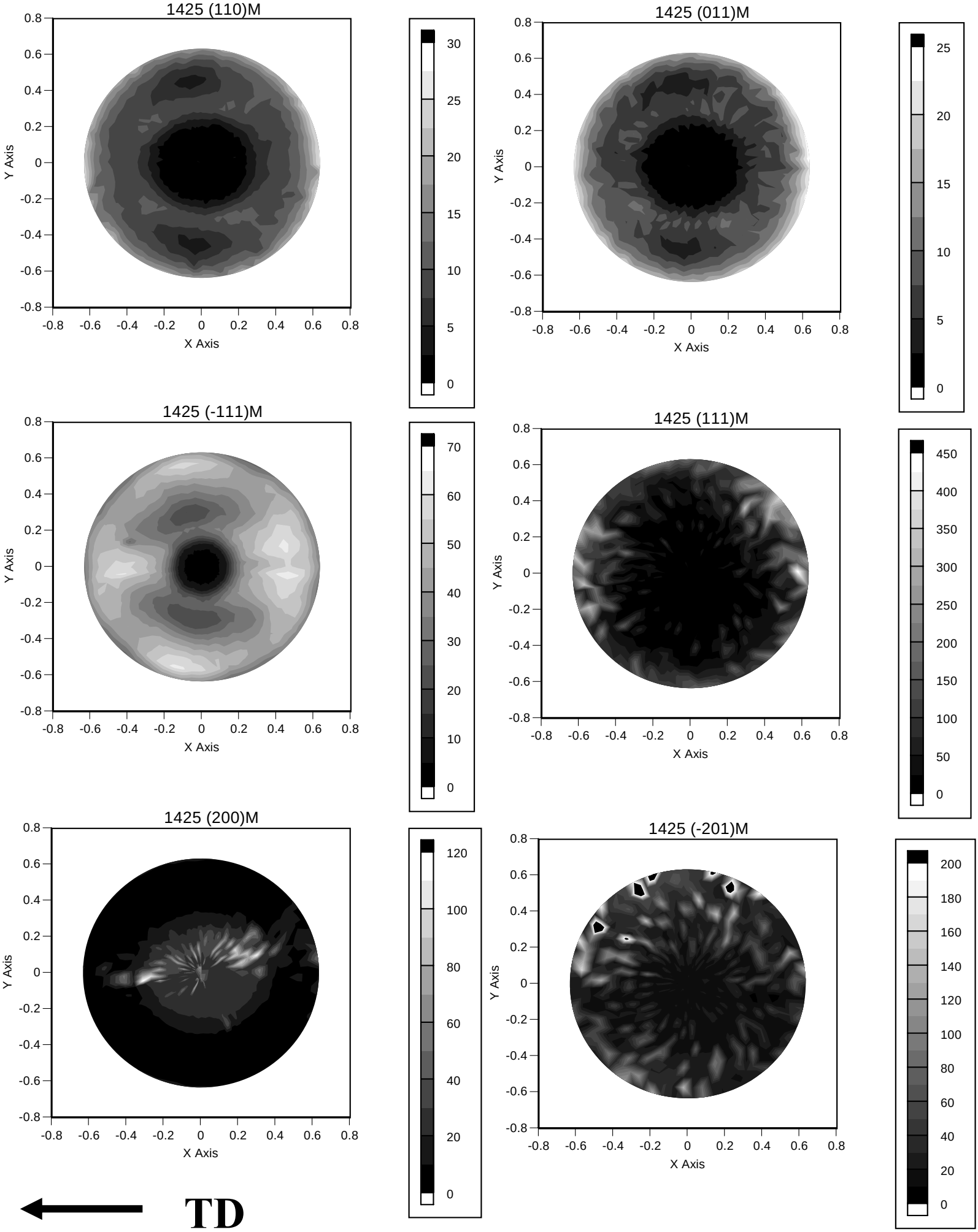


RD

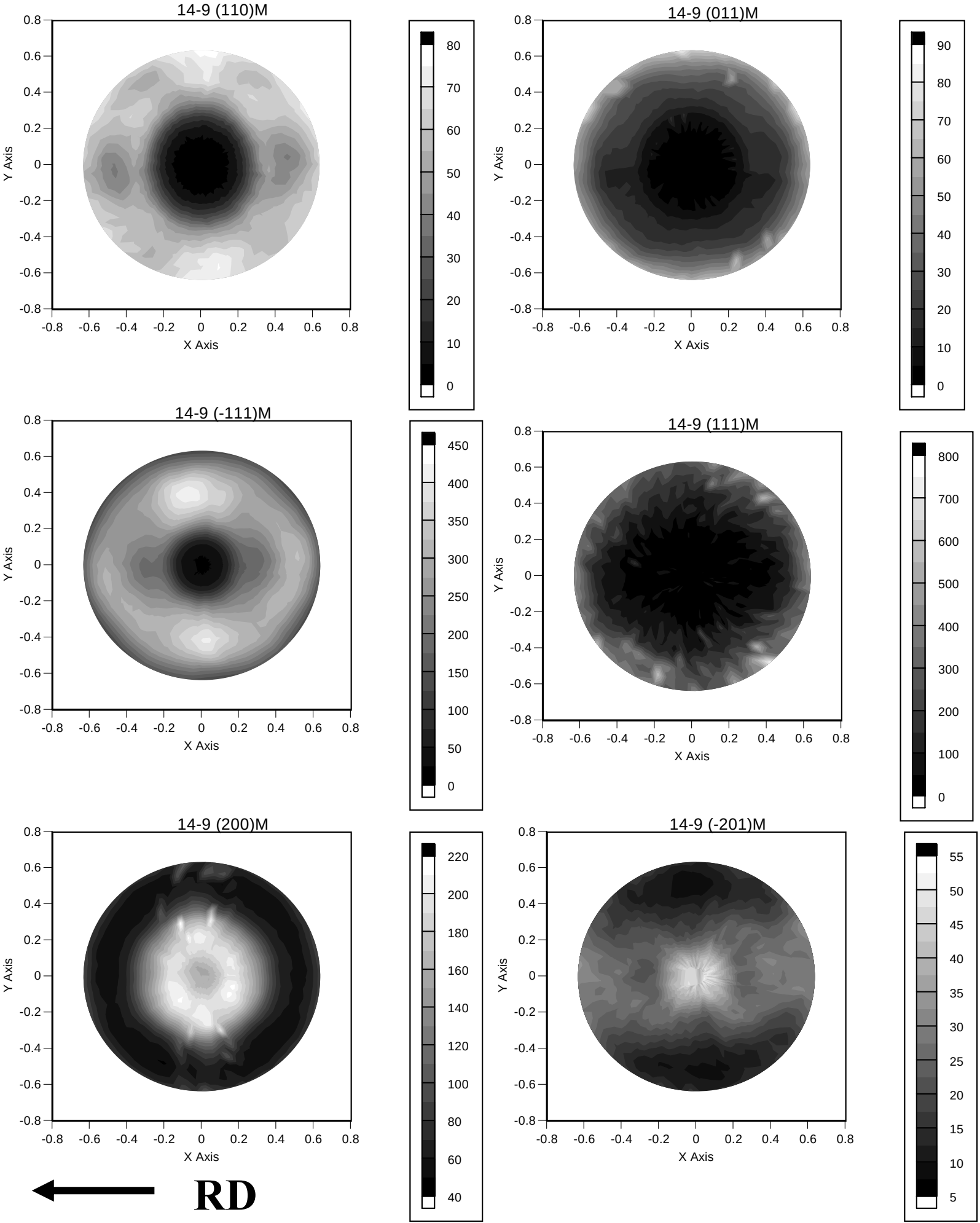
14-24: 360°C Water, 2.5 hrs, 0.3 µm



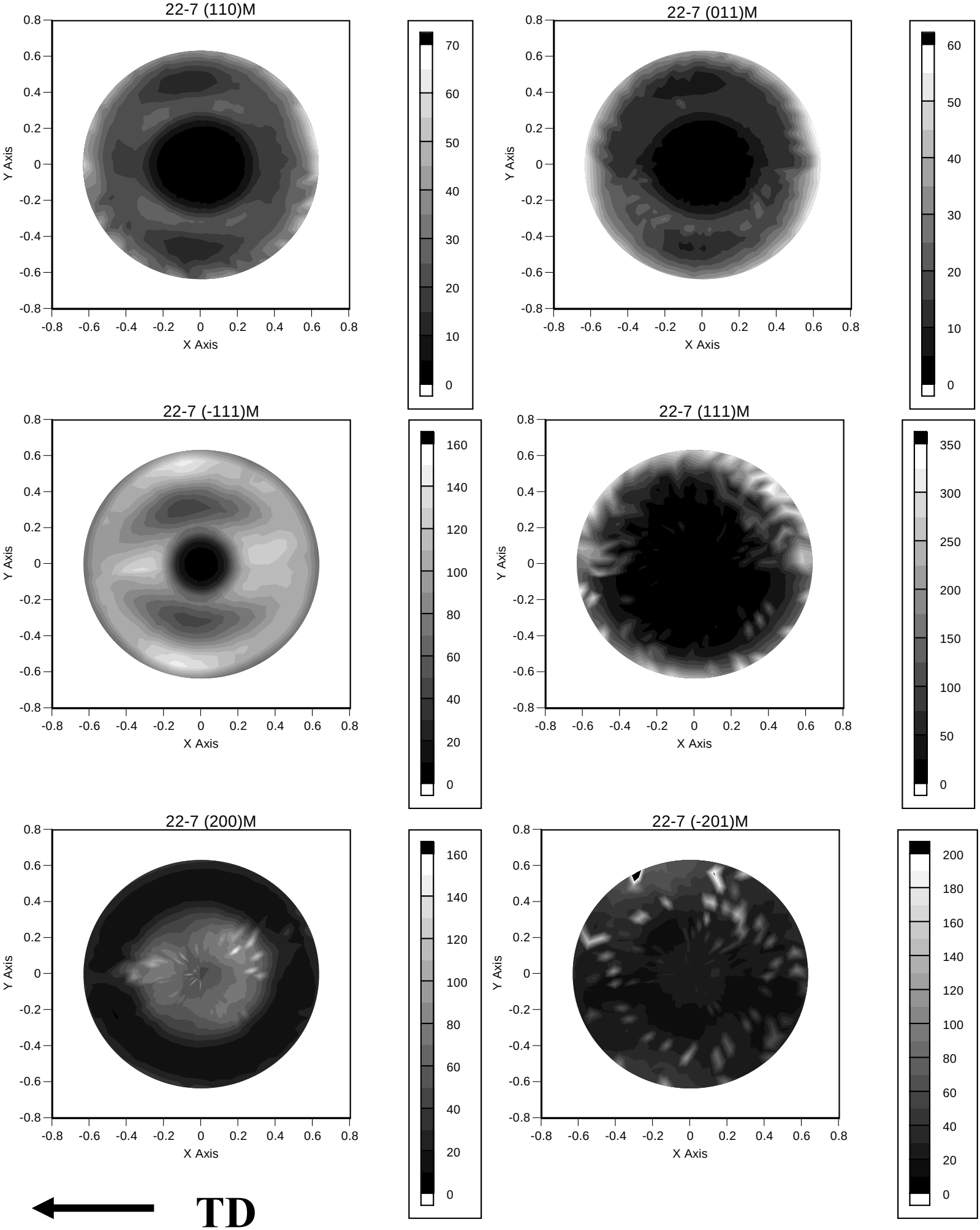
14-25: 360°C Water, 24 hrs, 0.5 µm



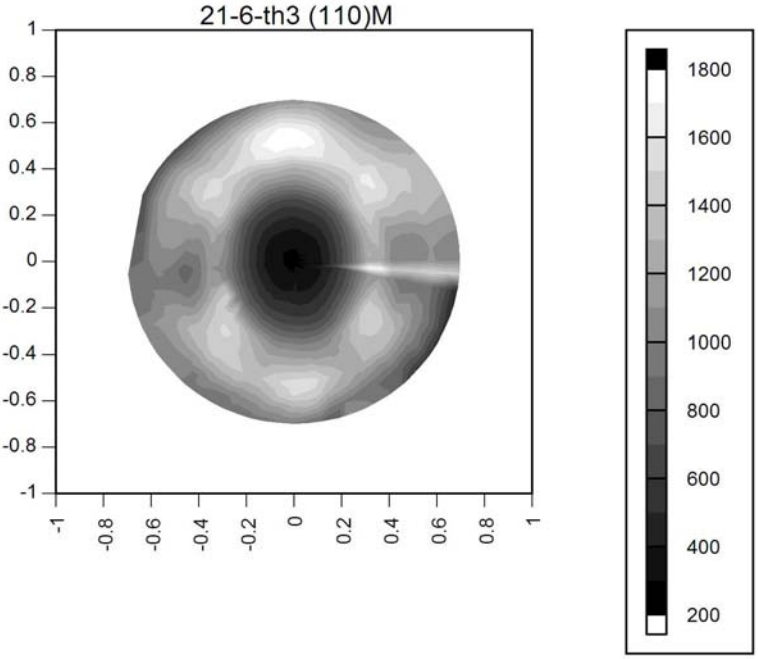
14-9: θ=3, 360°C Water, 2.3 µm

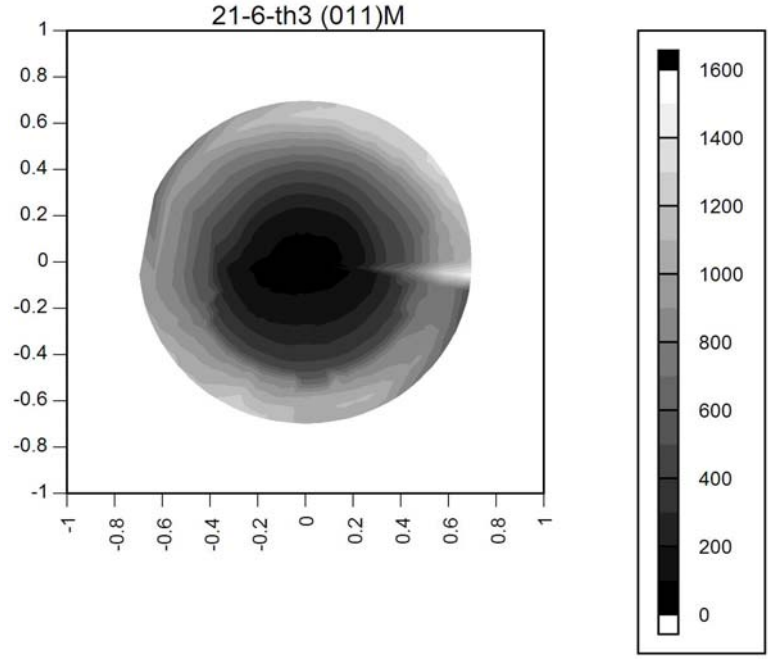


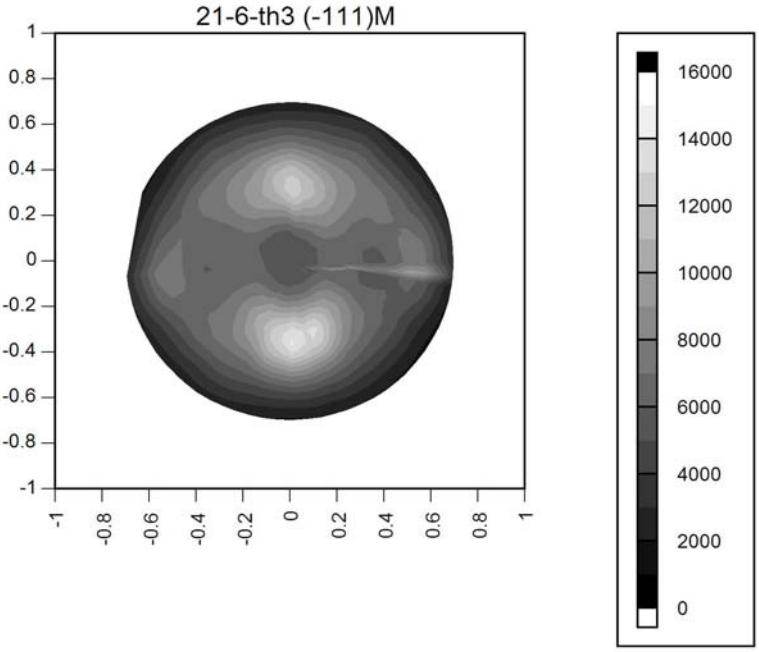
22-7: 360°C Water, 0.95 µm

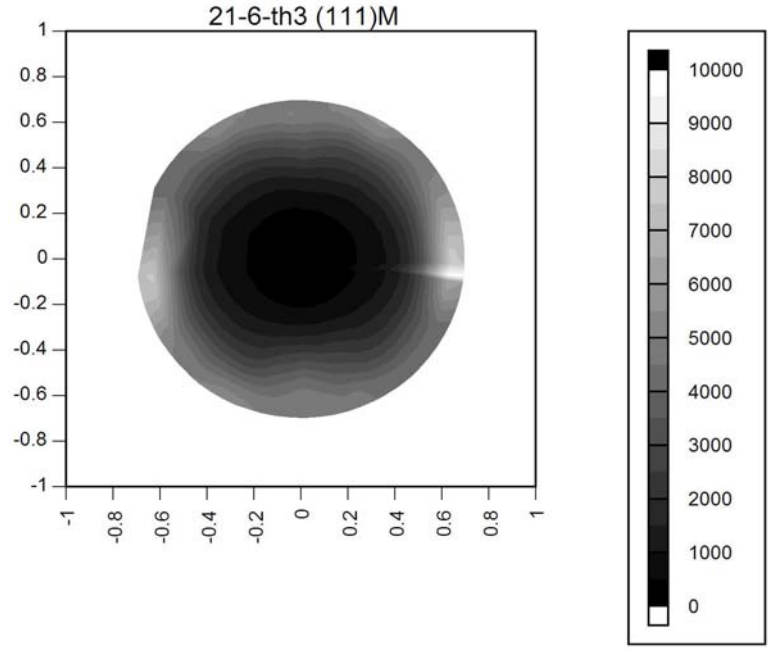


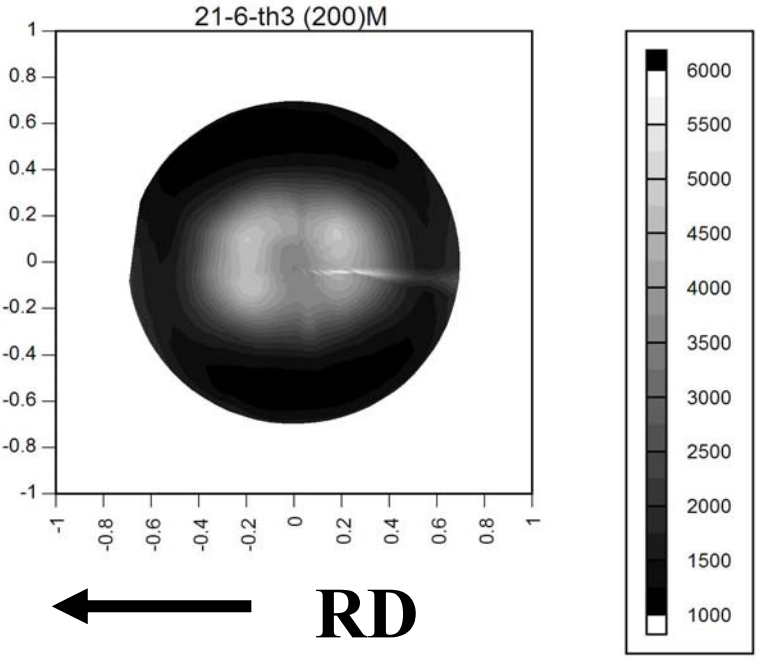
21-6: θ=3 (gjc), 360°C Water, 60 dd, 22.92 μm

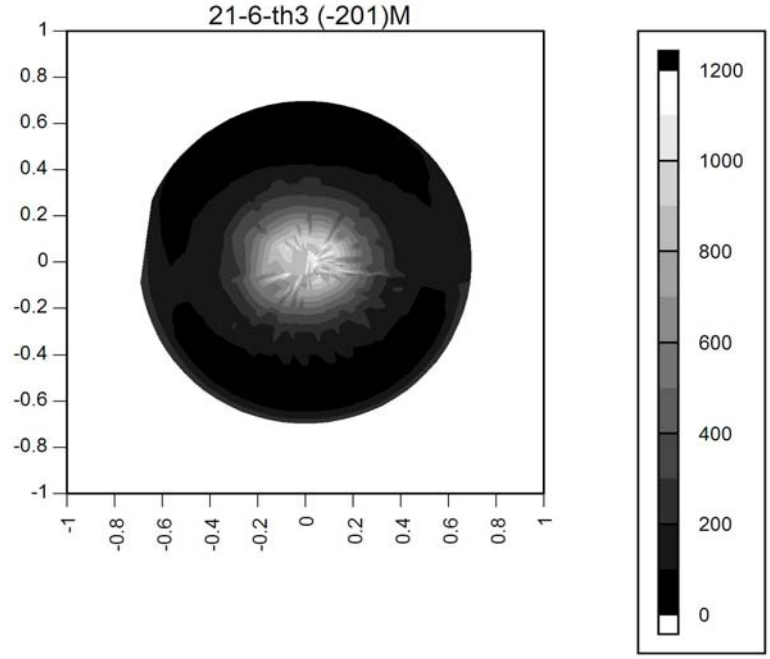






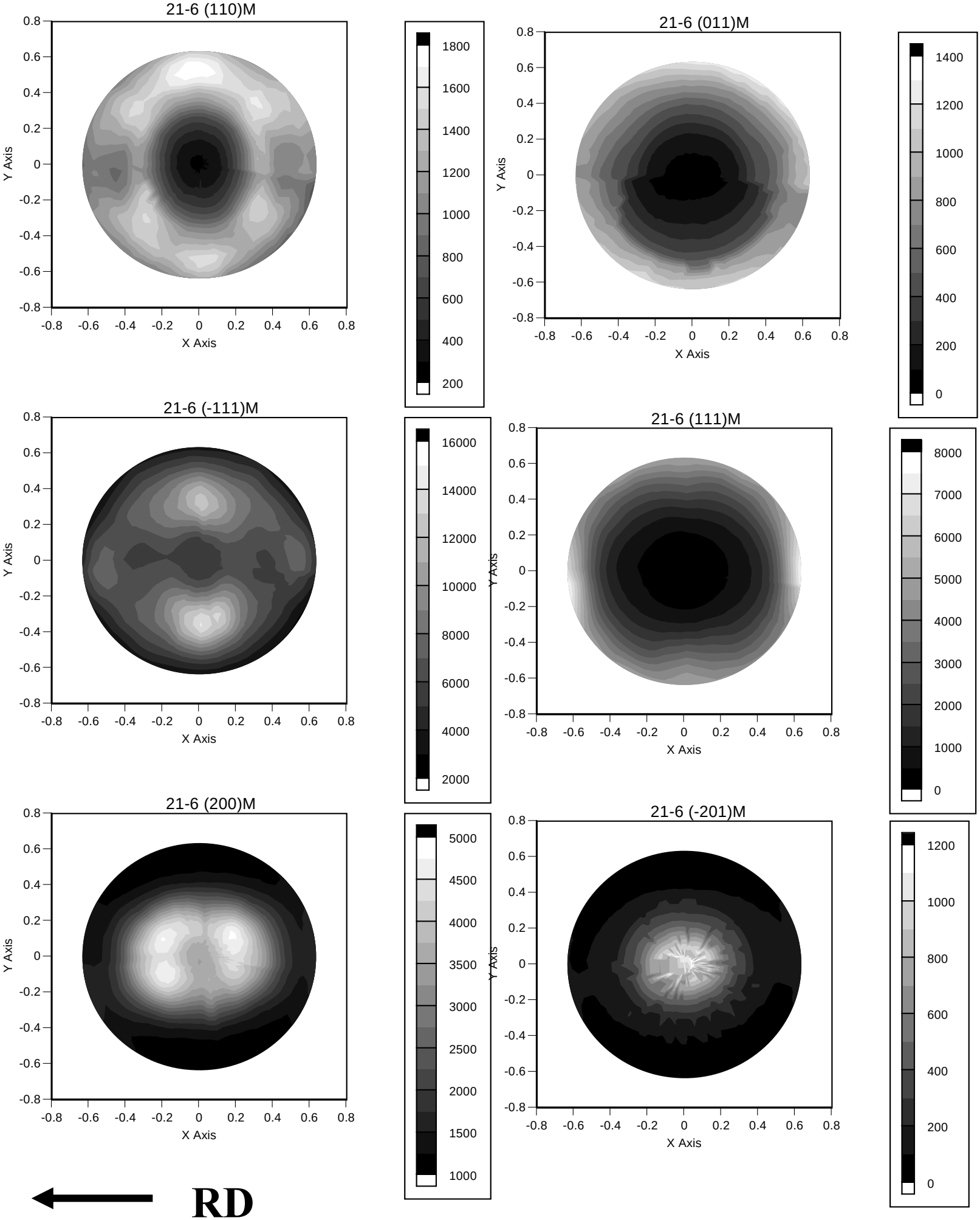




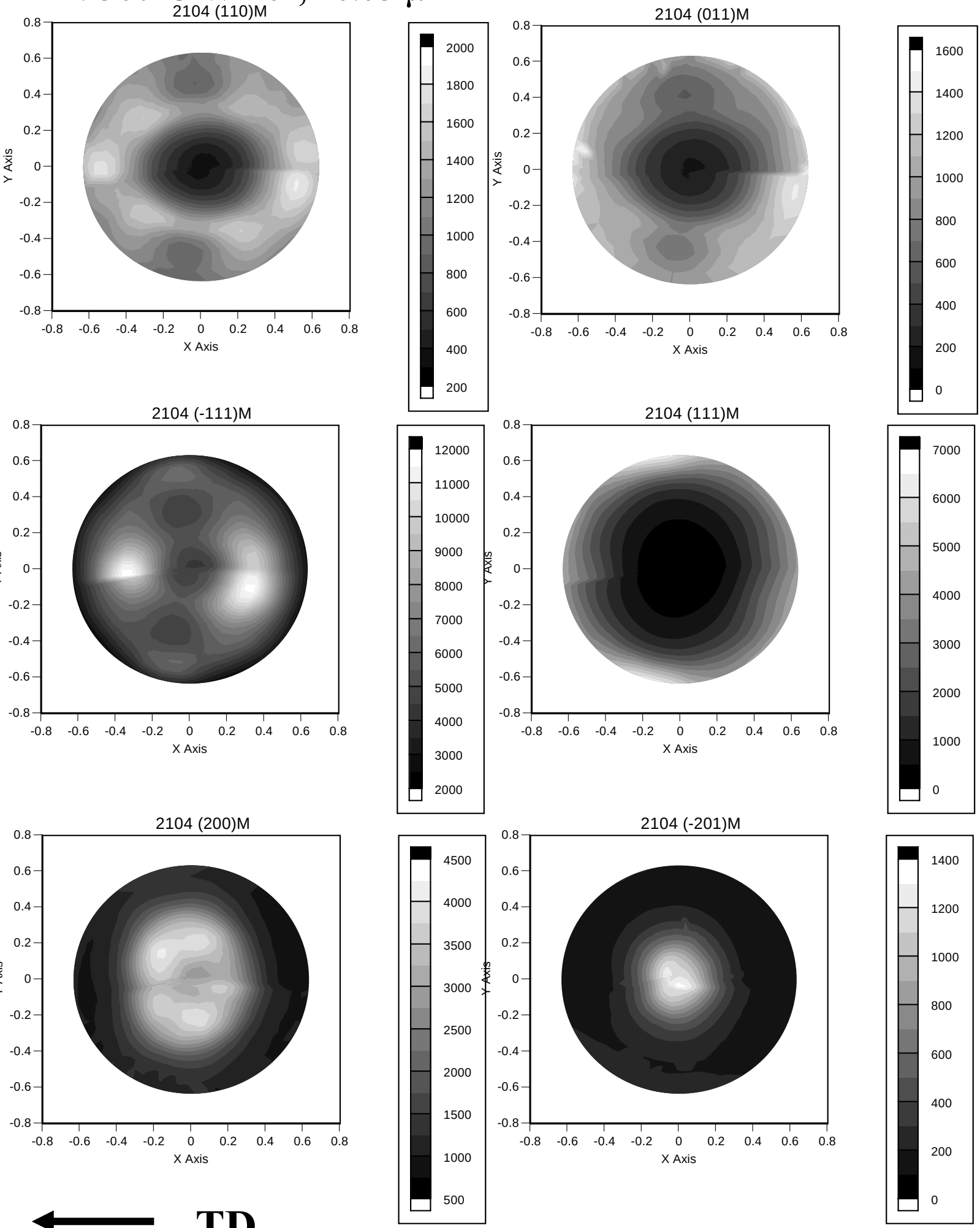


RD

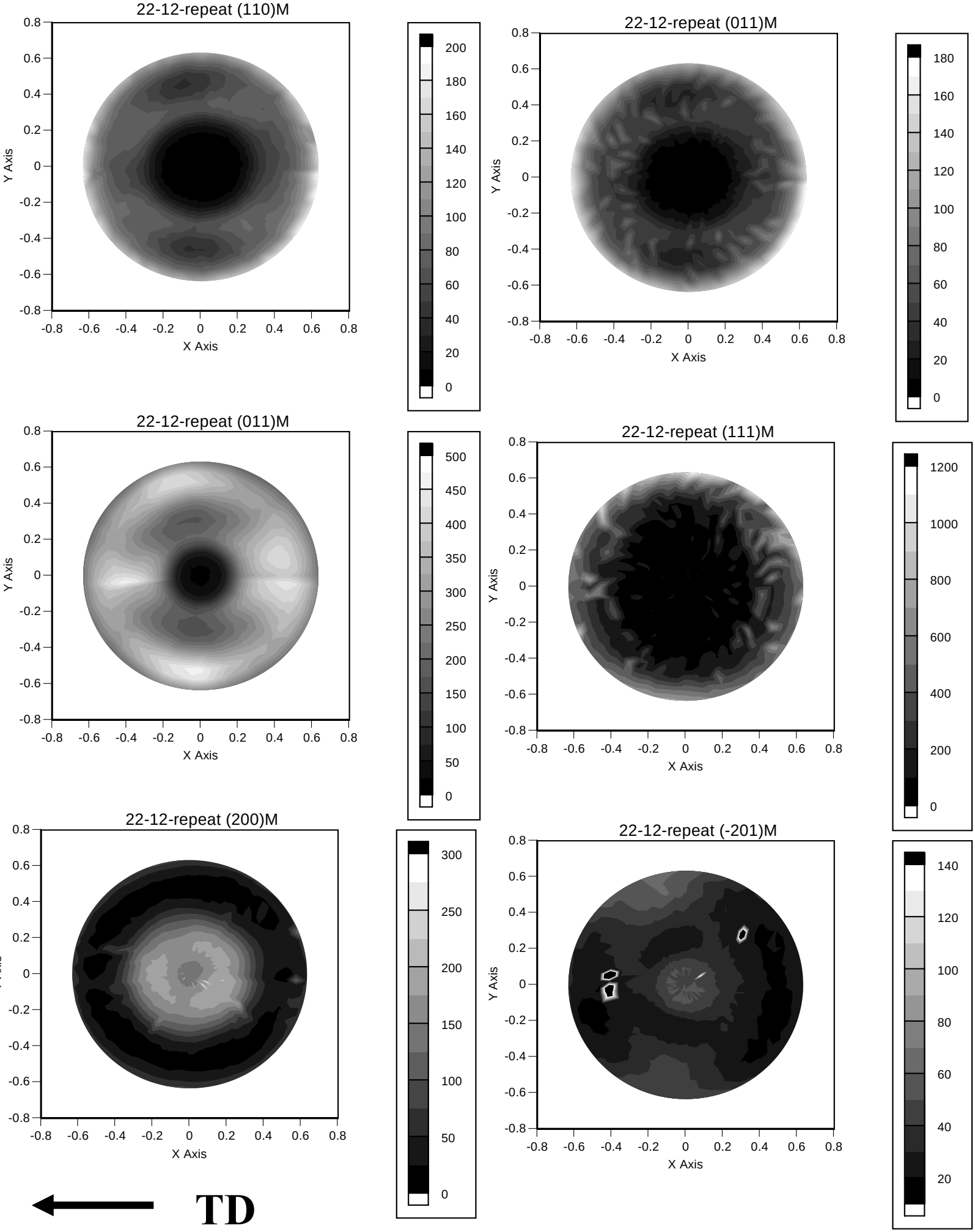
21-6: θ=3, 360°C Water, 22.9 µm



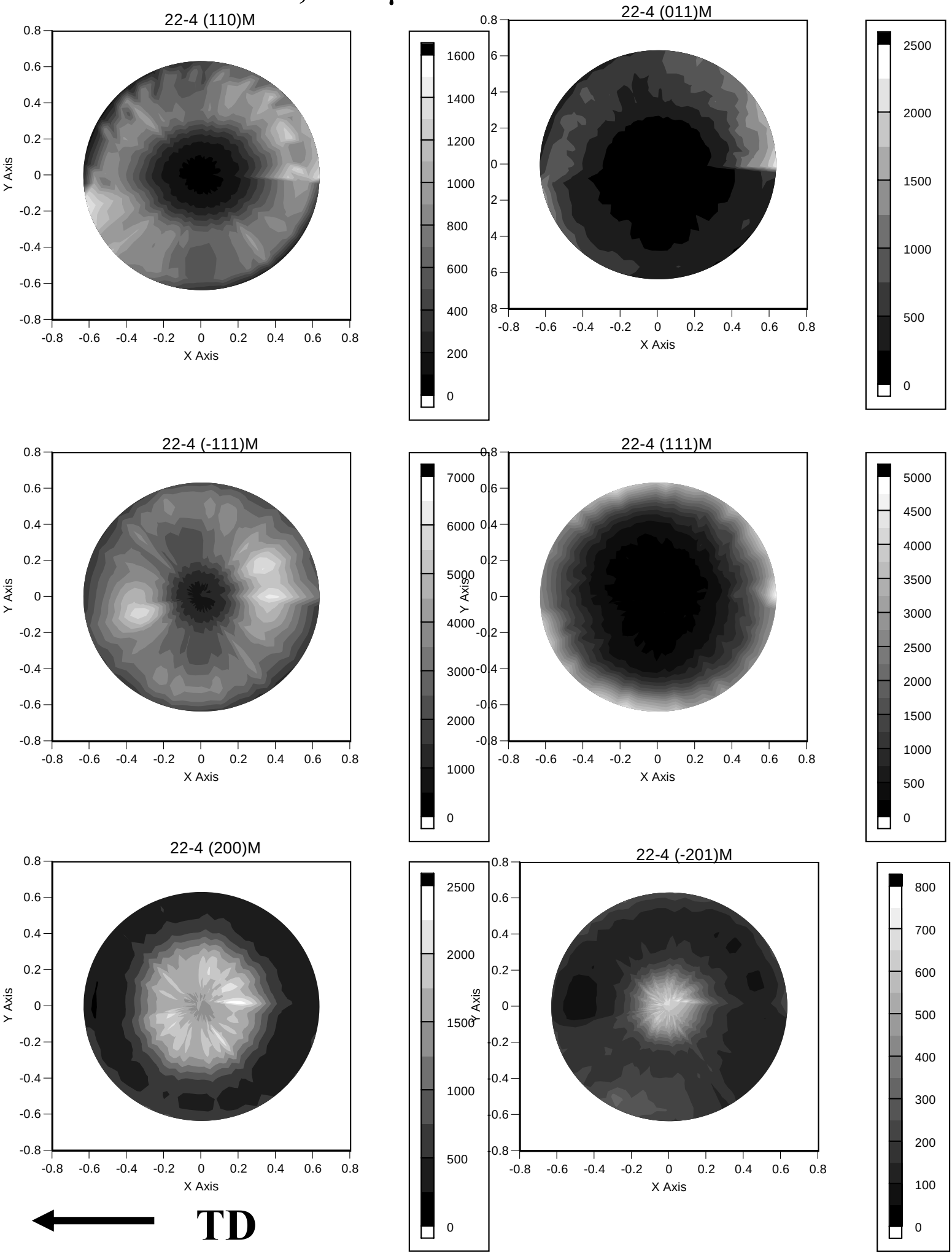
21-4: 360°C Water, 46.73 µm



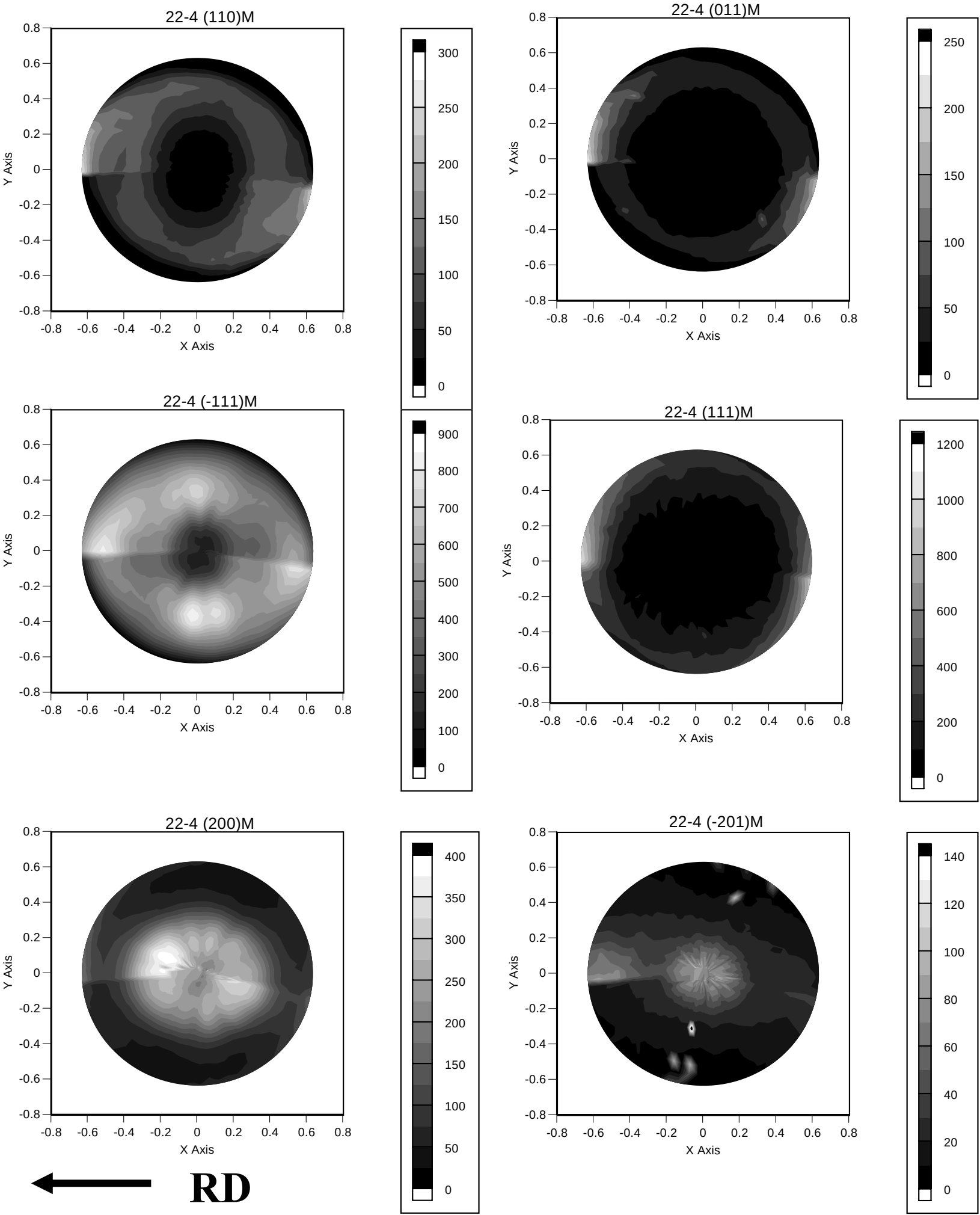
22-12: 360°C Water, 1.03 µm



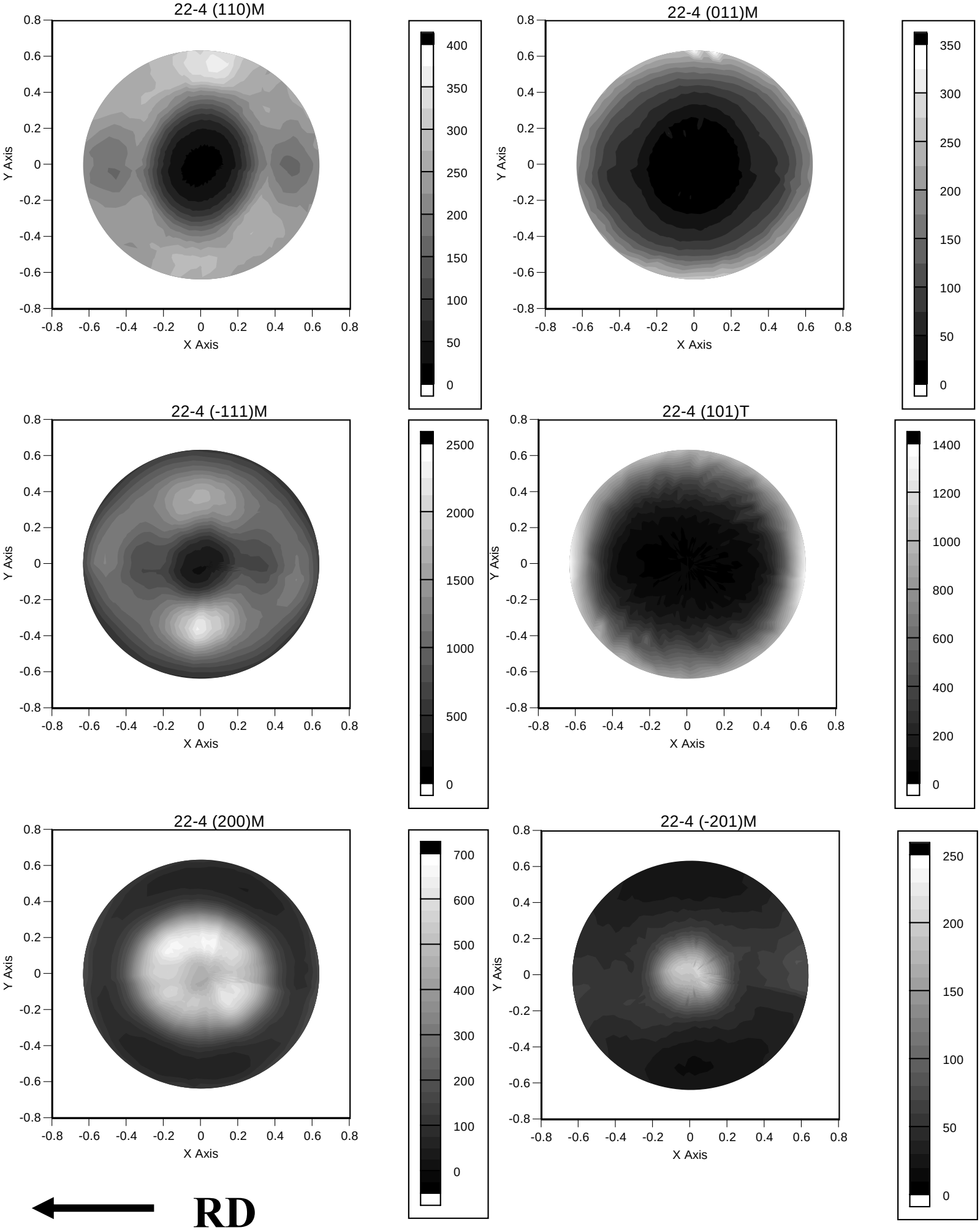
22-4: 360°C Water, 3.51 µm



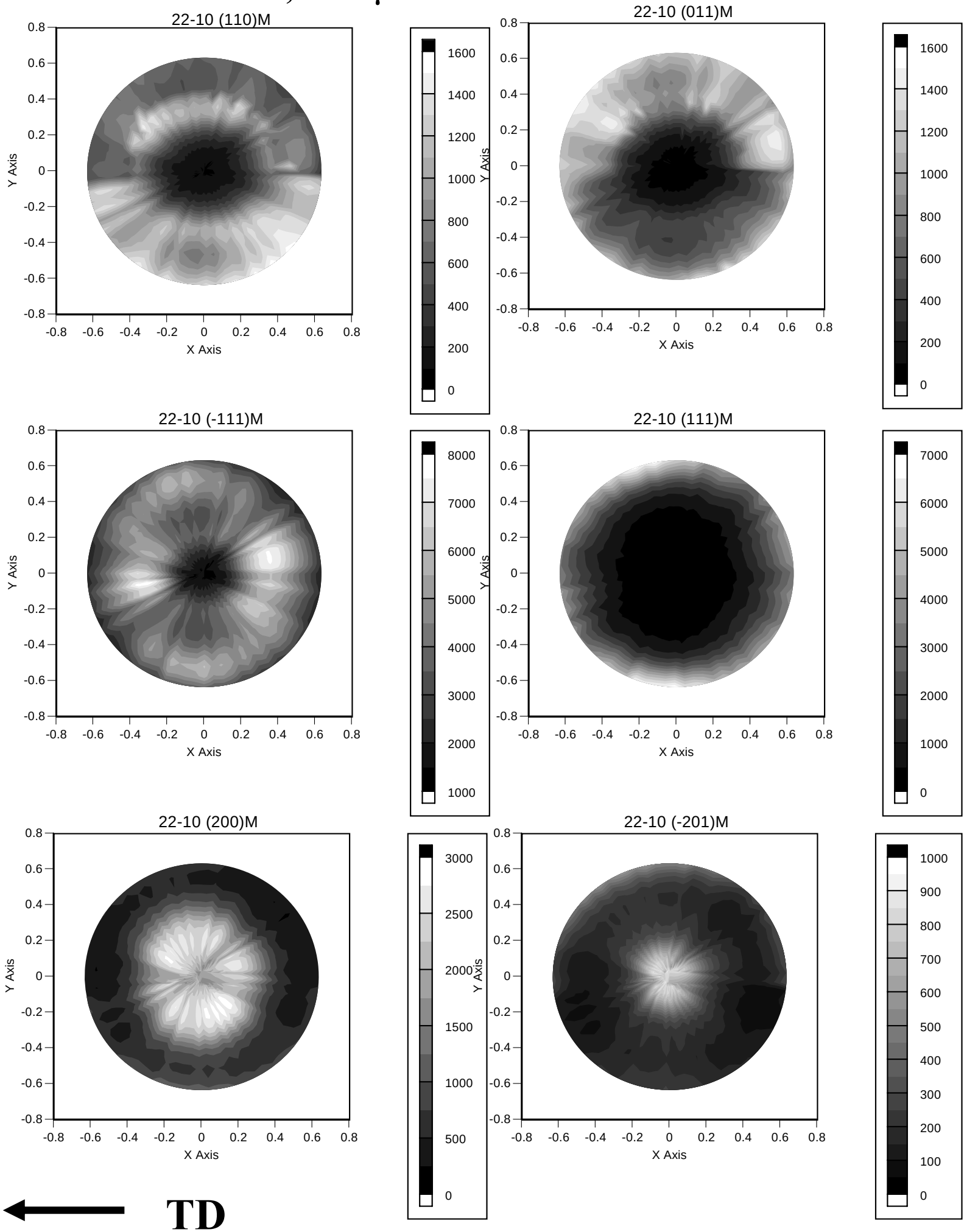
22-4: 360°C Water, 3.51 µm



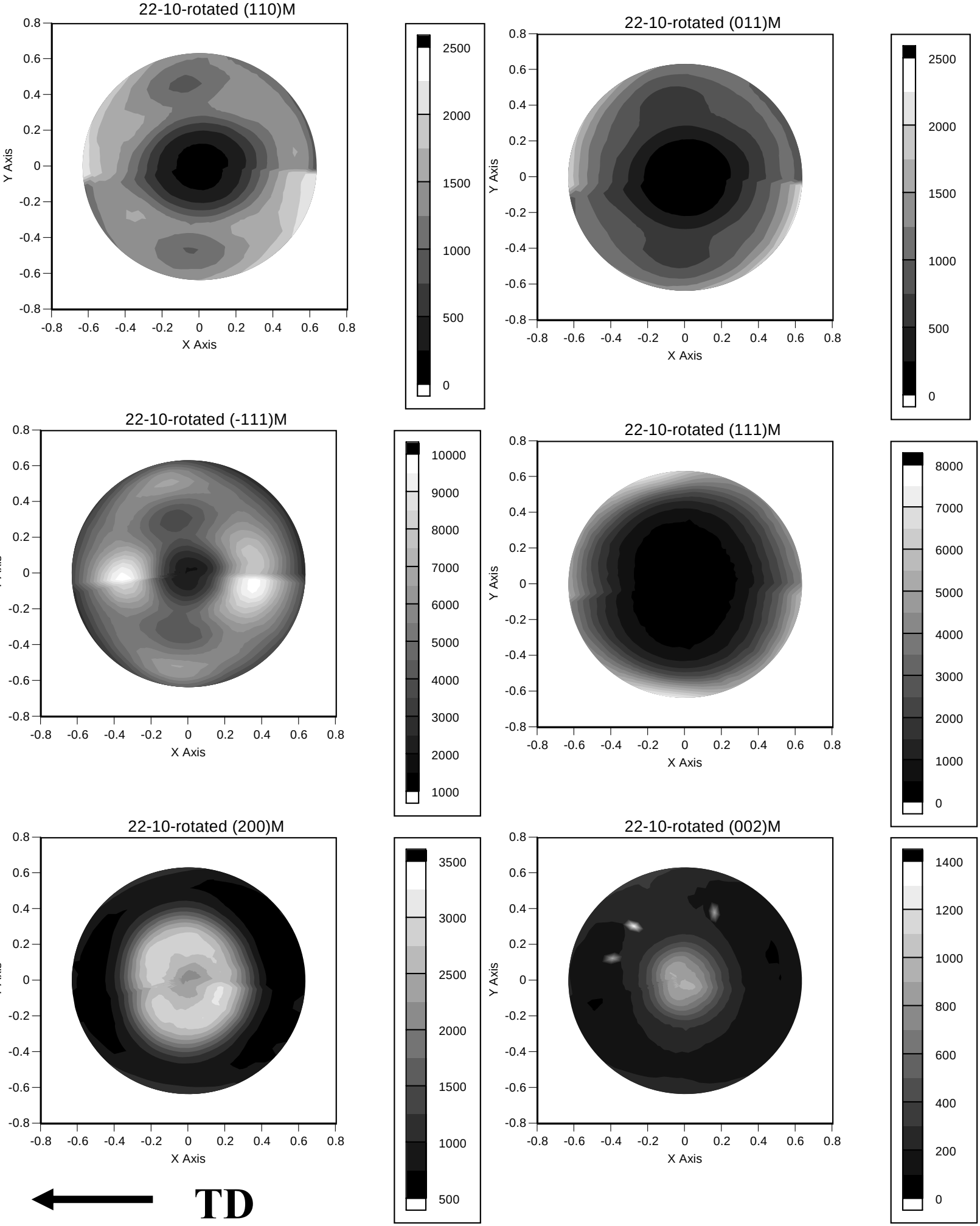
22-4: θ=3, 360°C Water, 3.5 µm



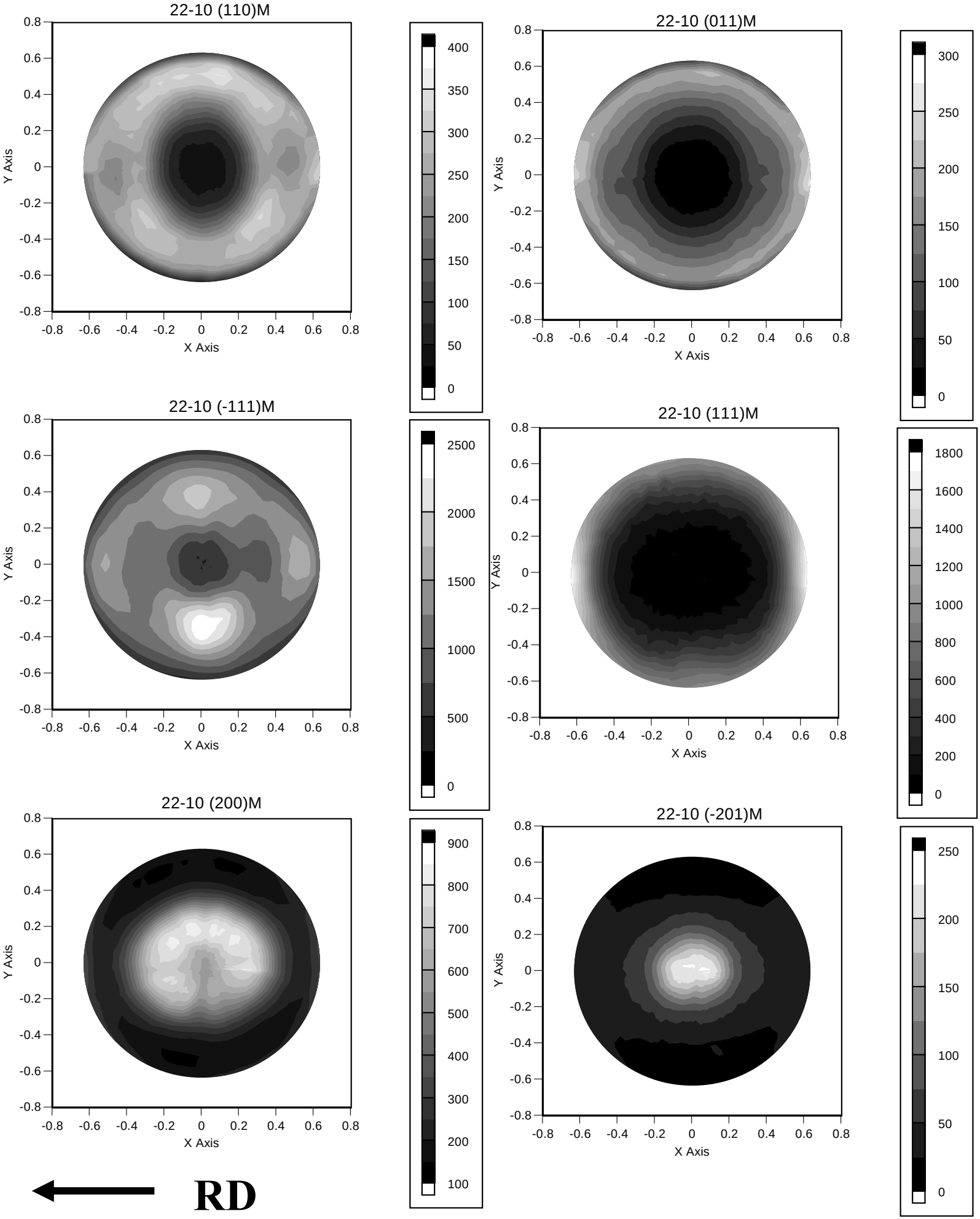
22-10: 360°C Water, 7.06 µm



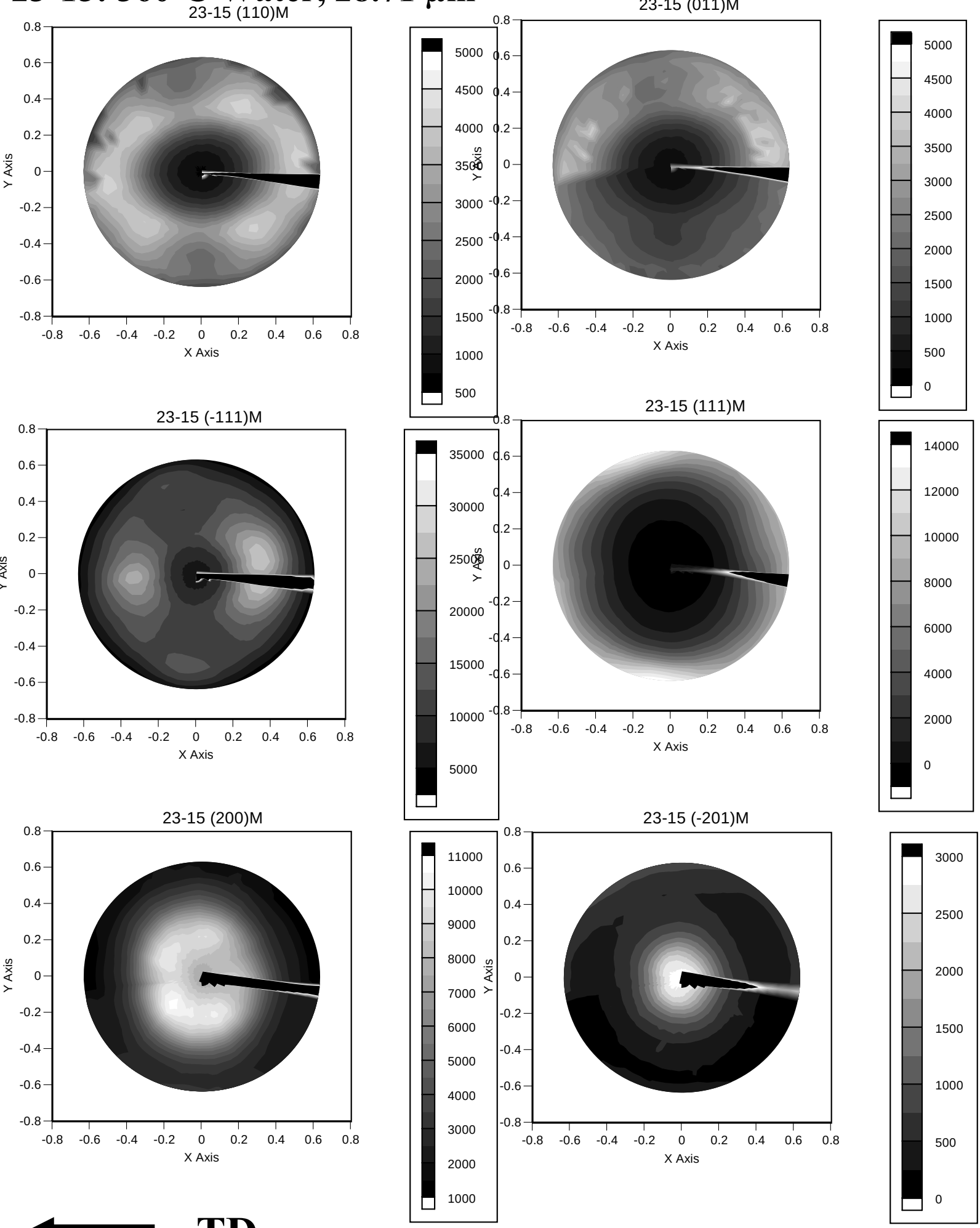
22-10: Rotated, 360°C Water, 7.06 µm



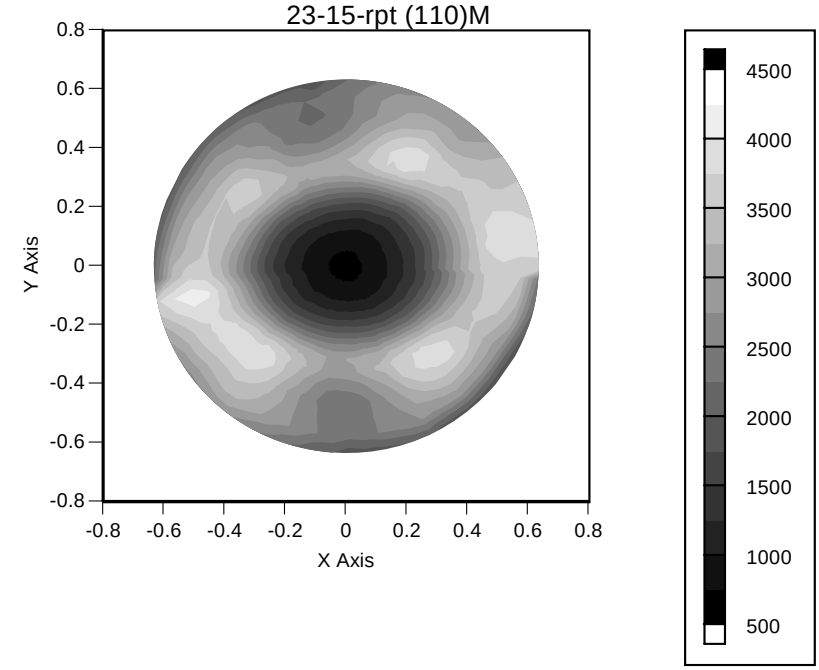
22-10: 360°C Water, 83.3 dd, 7.06 µm

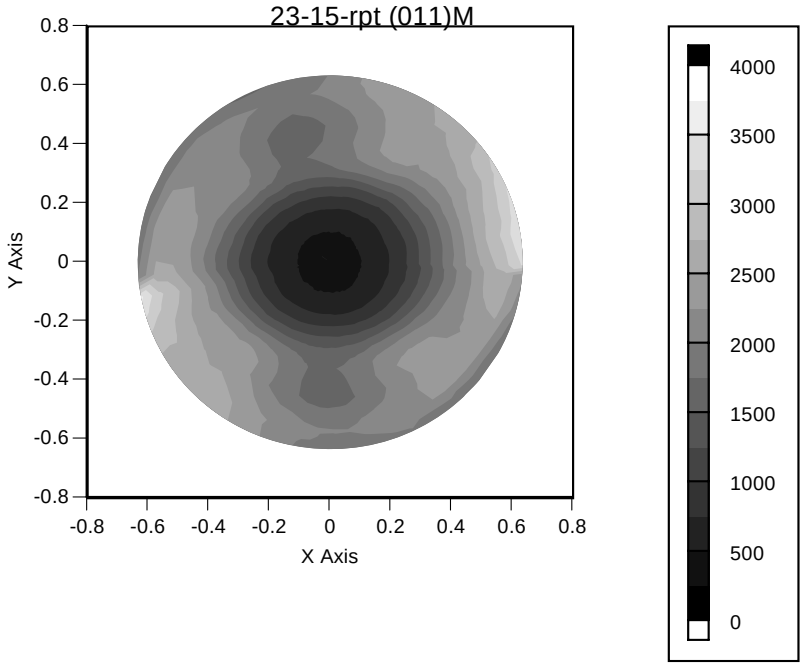


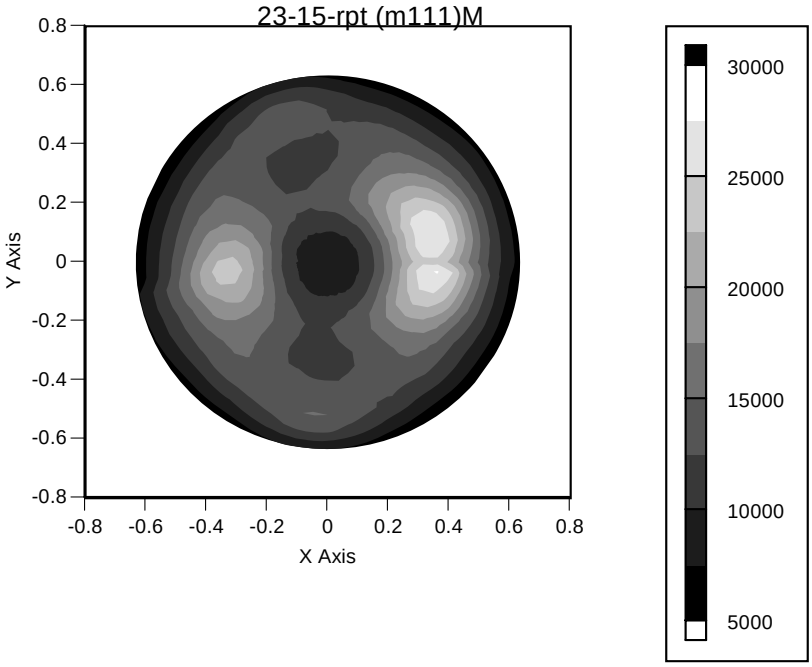
23-15: 360°C Water, 28.71 µm

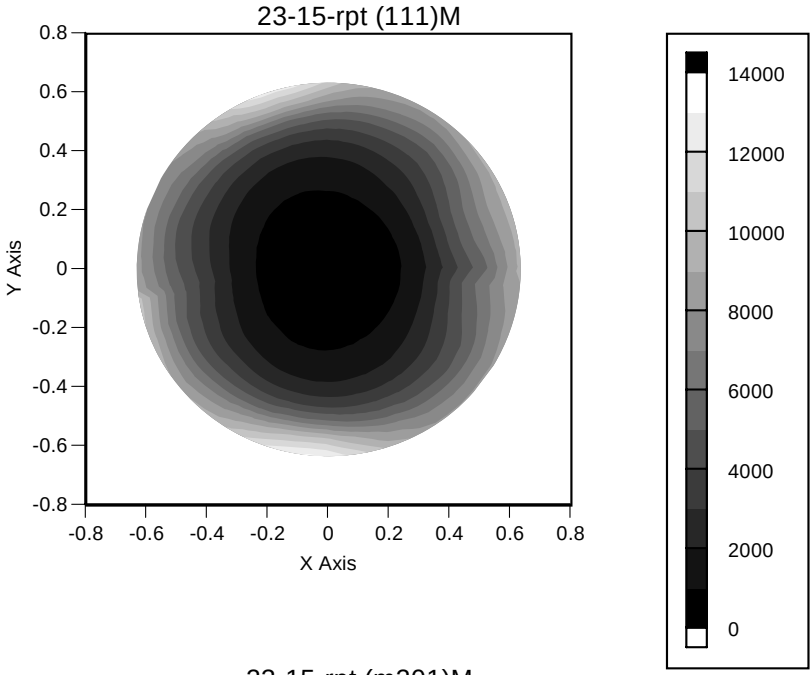


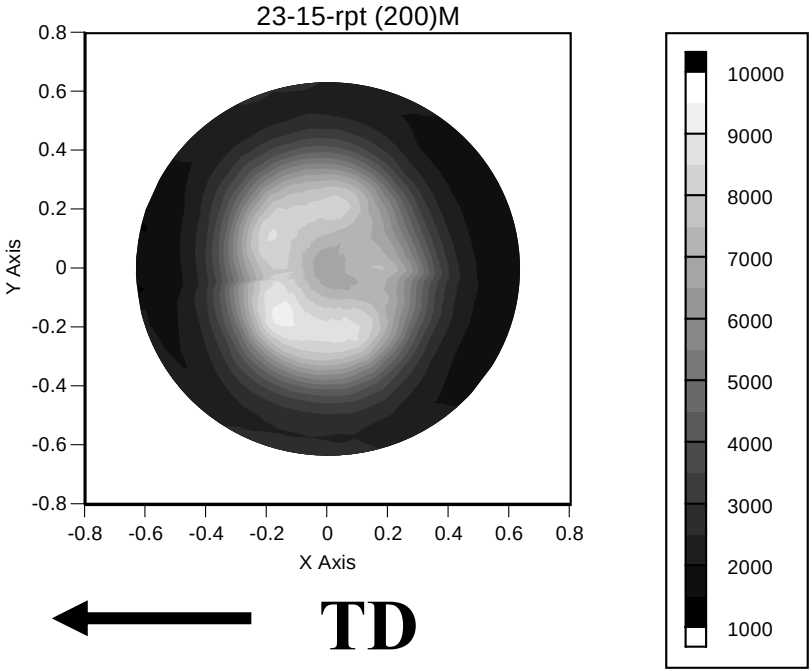
23-15: Repeat, 360°C Water, 28.71 µm

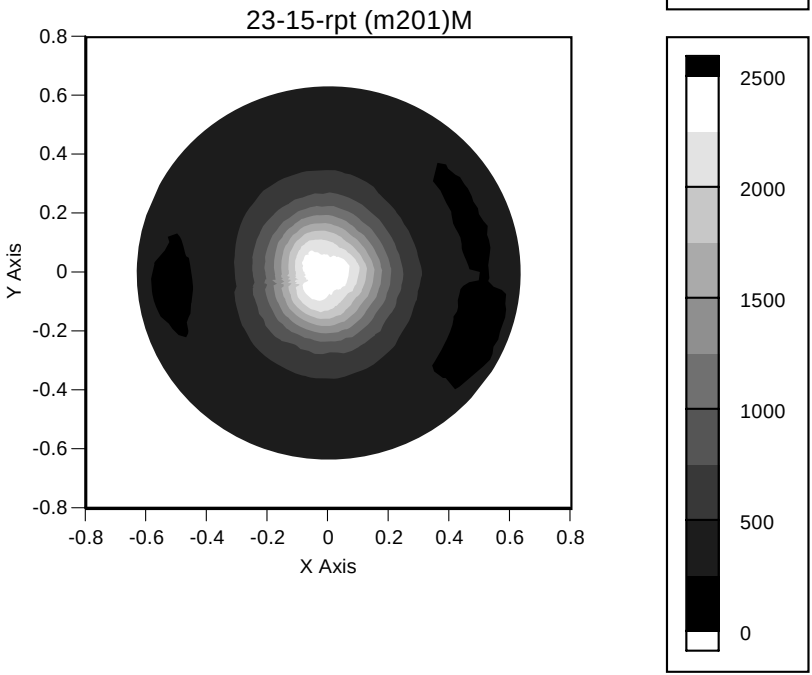






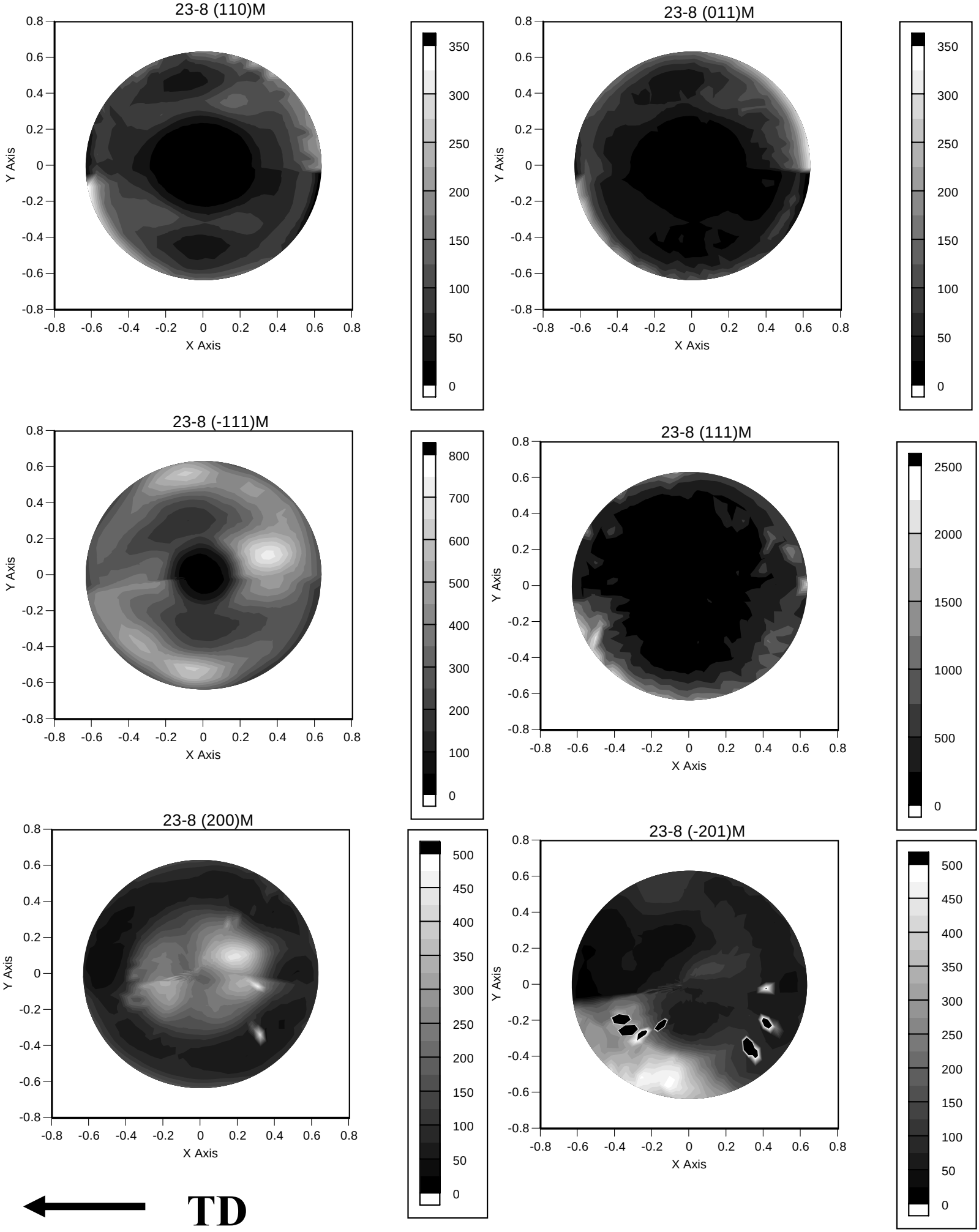




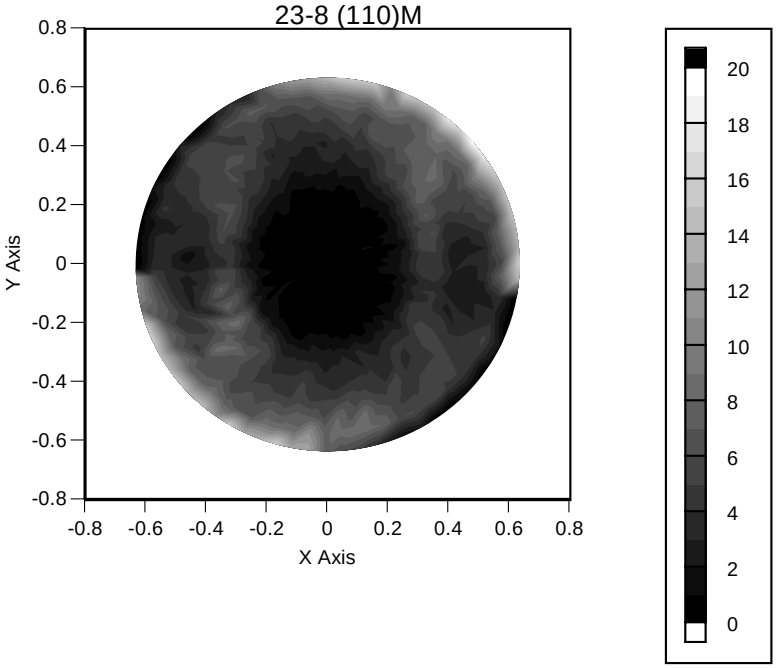


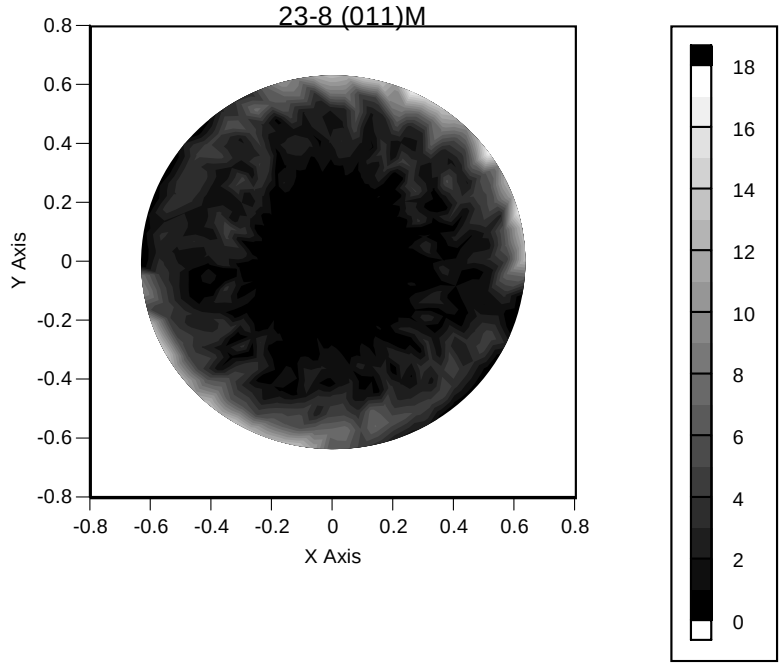
TD

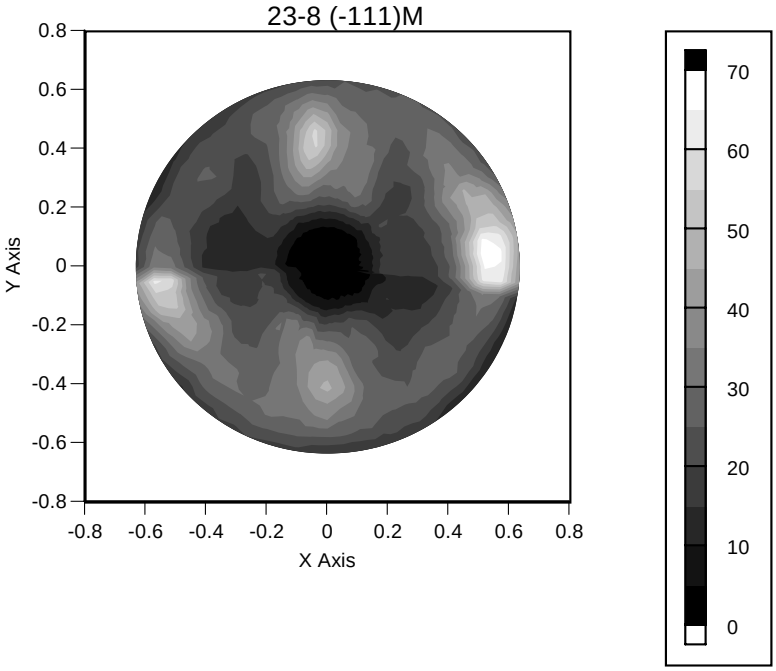
23-8: 360°C Water, 1.06 µm

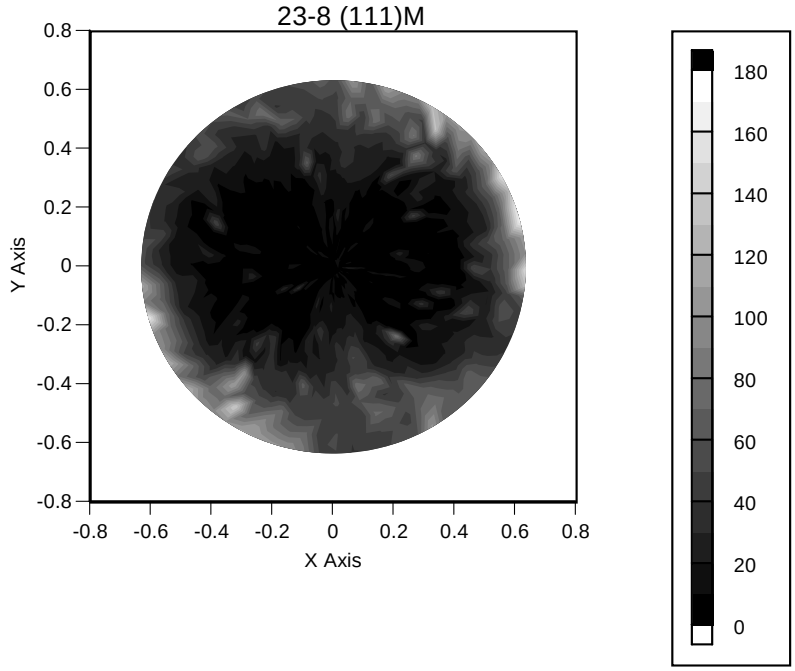


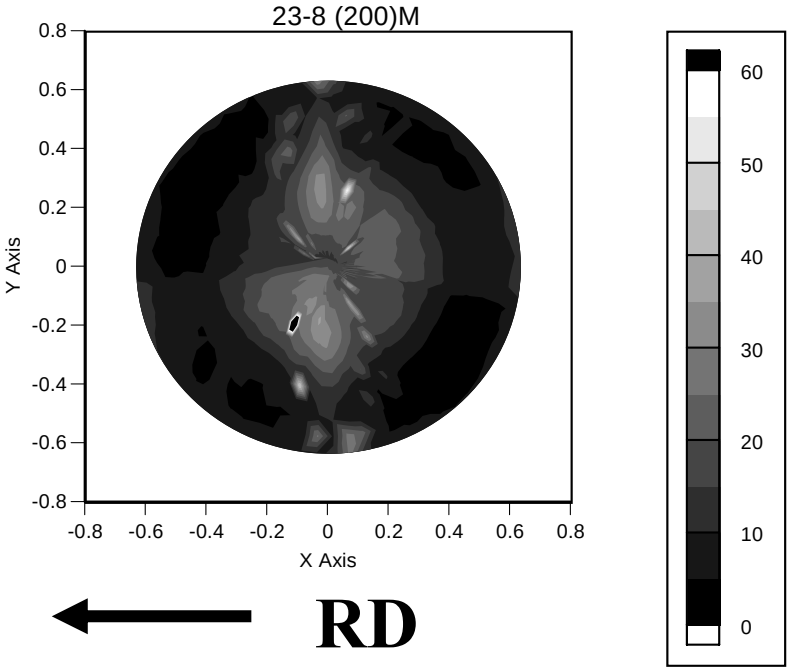
23-8: 360°C Water, 1.1 µm

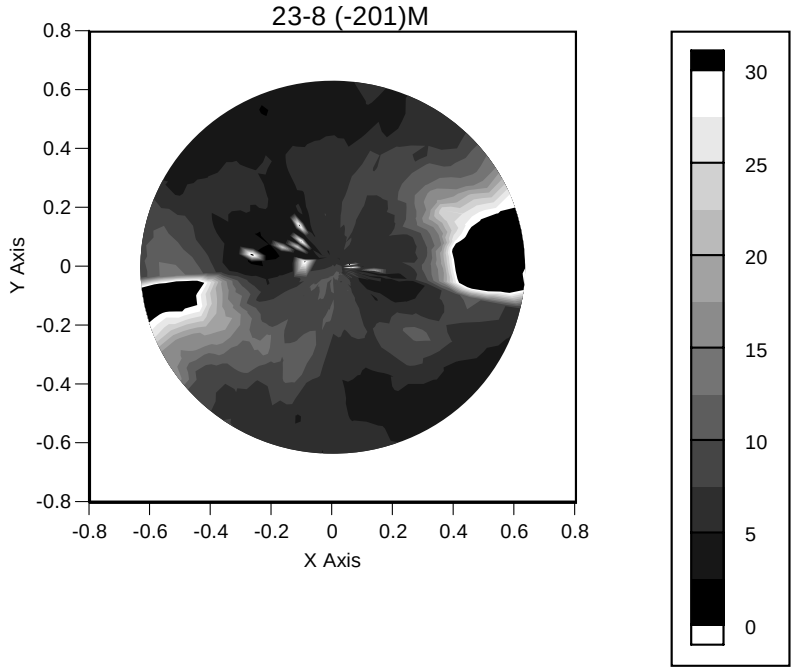






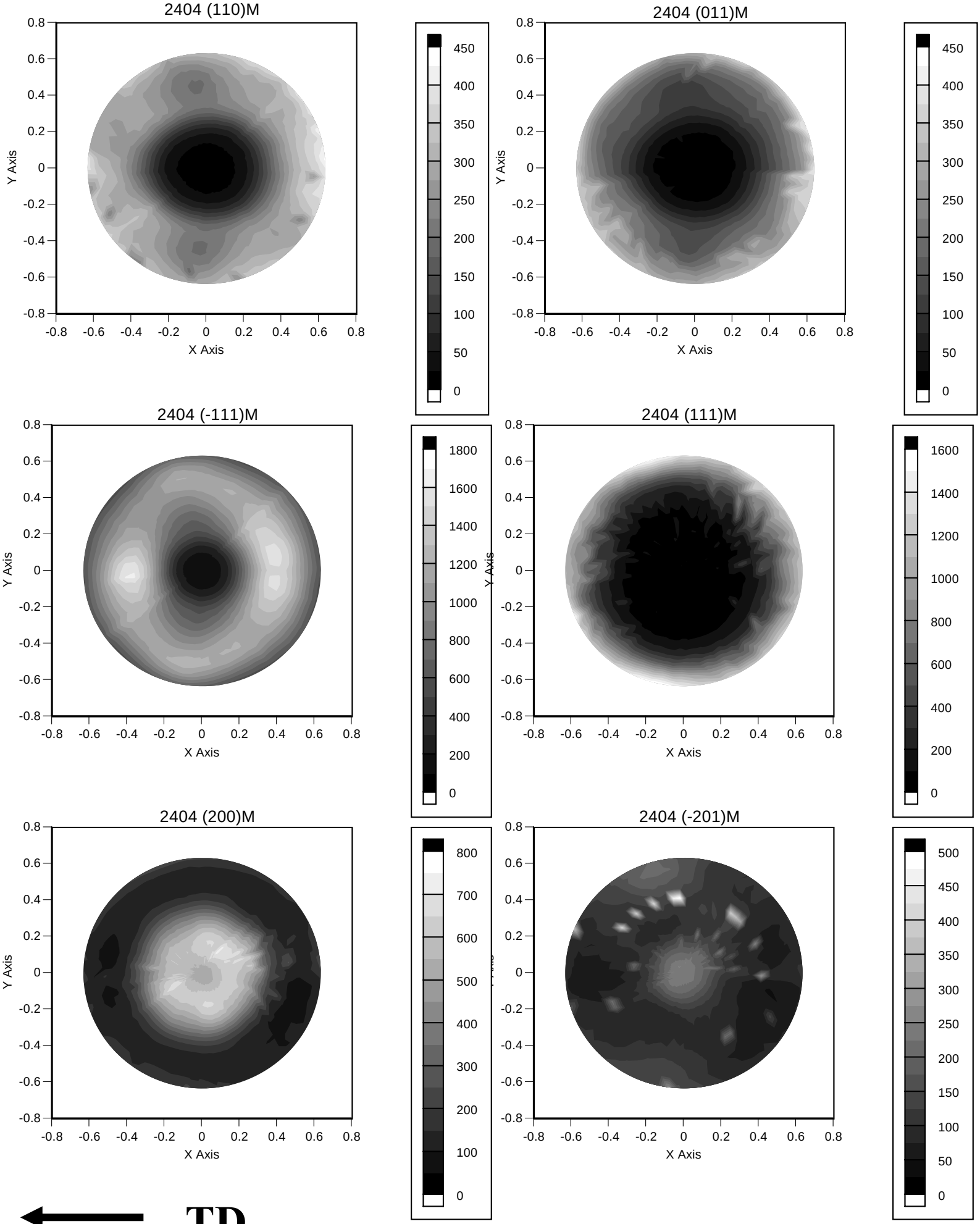




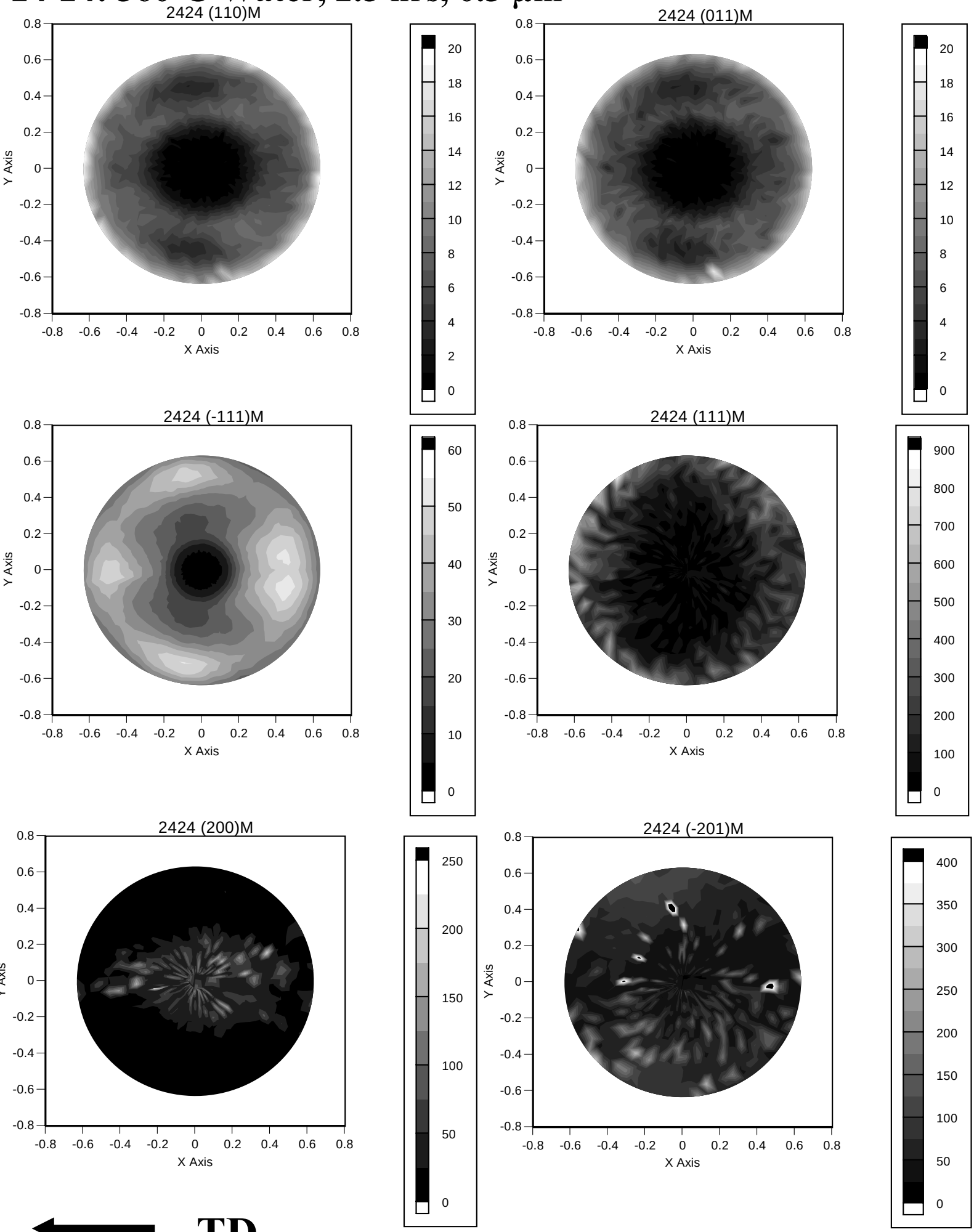


RD

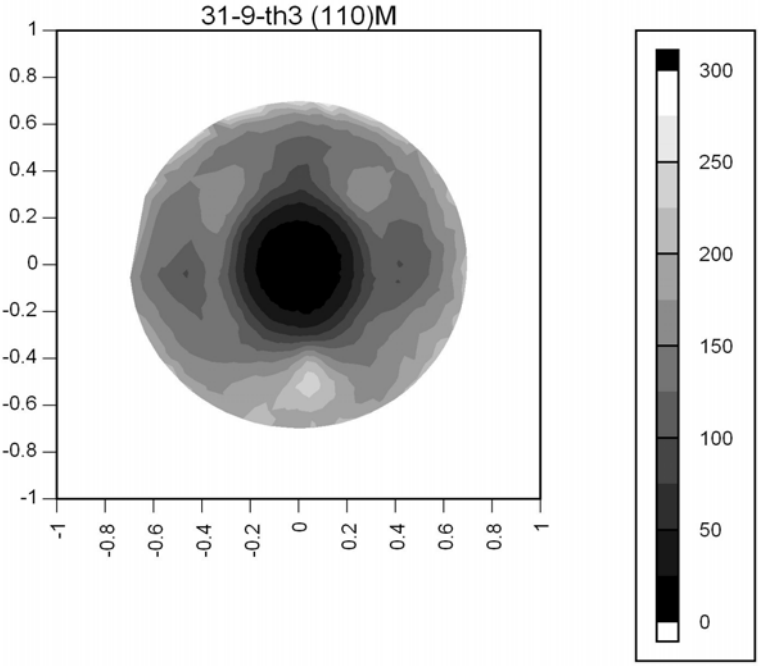
24-4: 360°C Water, 3.6 µm

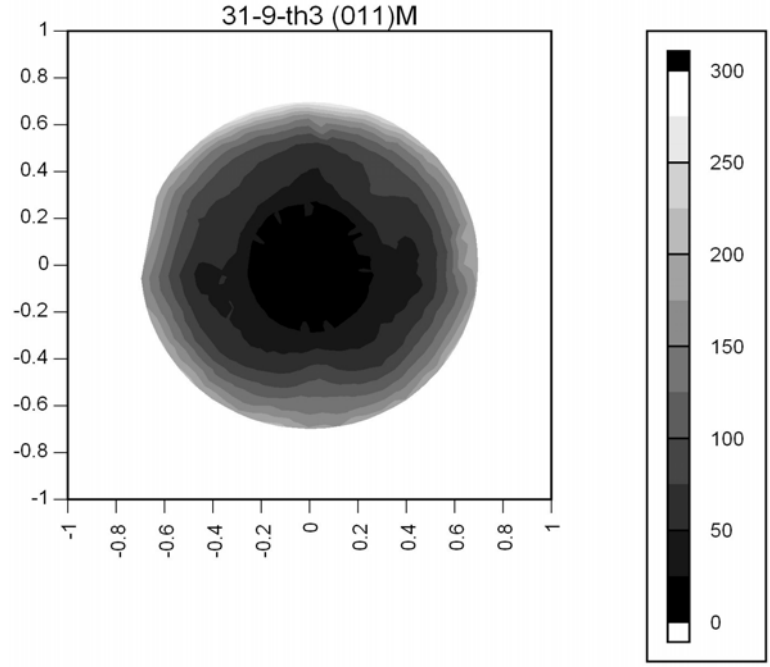


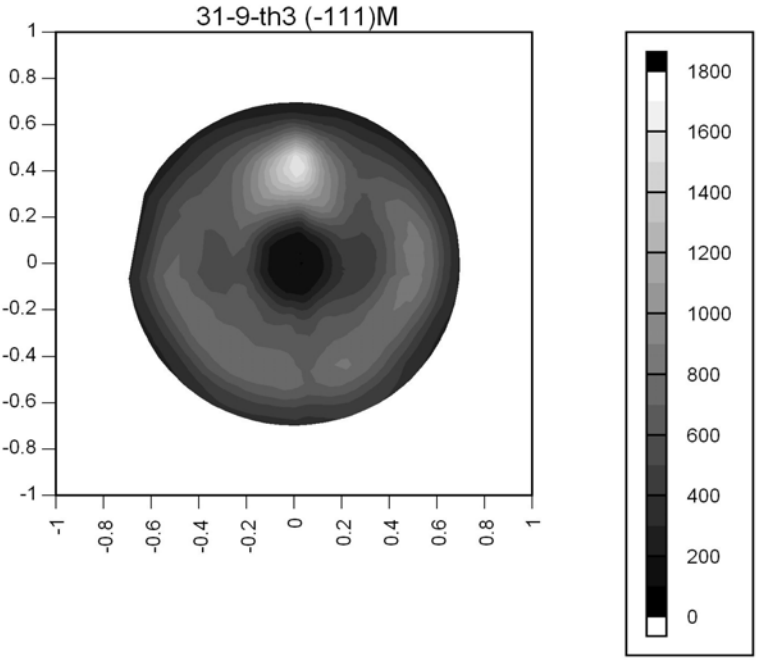
24-24: 360°C Water, 2.5 hrs, 0.3 µm

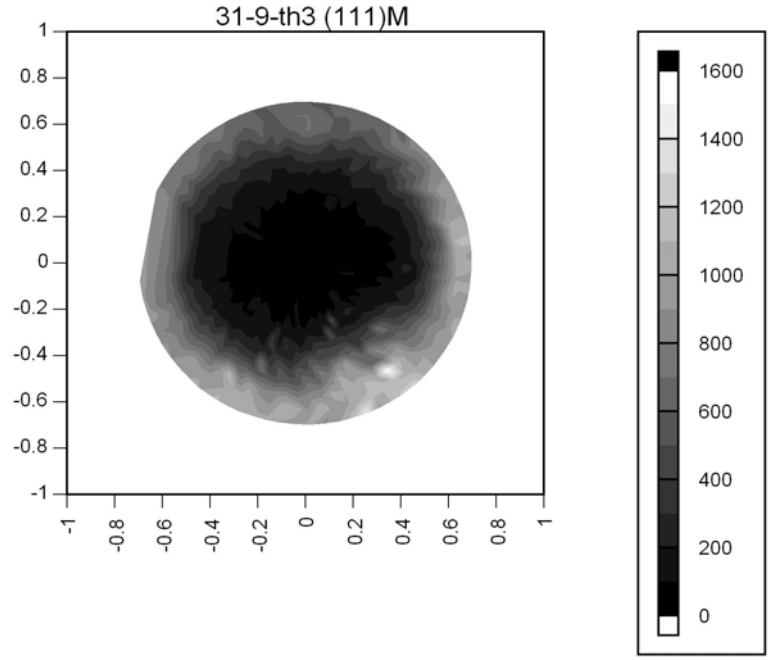


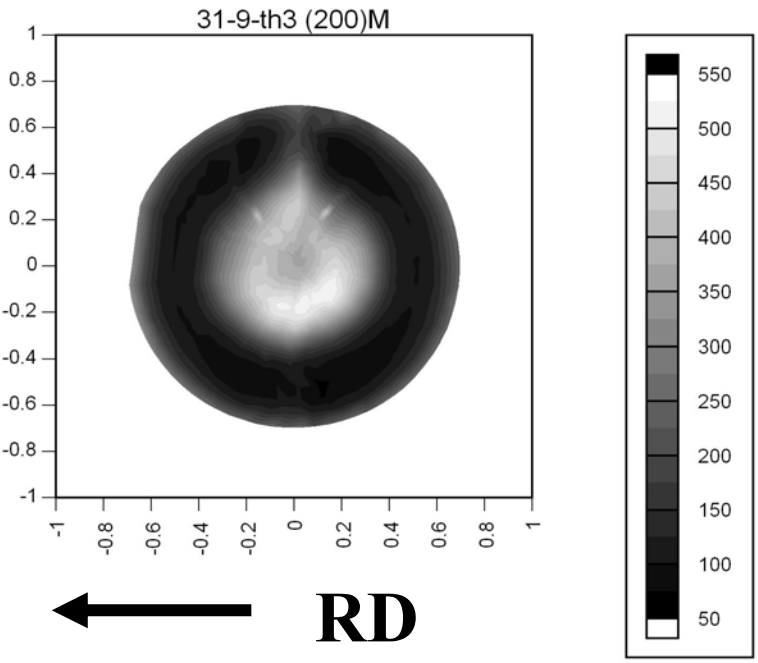
31-9: θ=3, 360°C Water, 372.3 dd, 4.13 µm

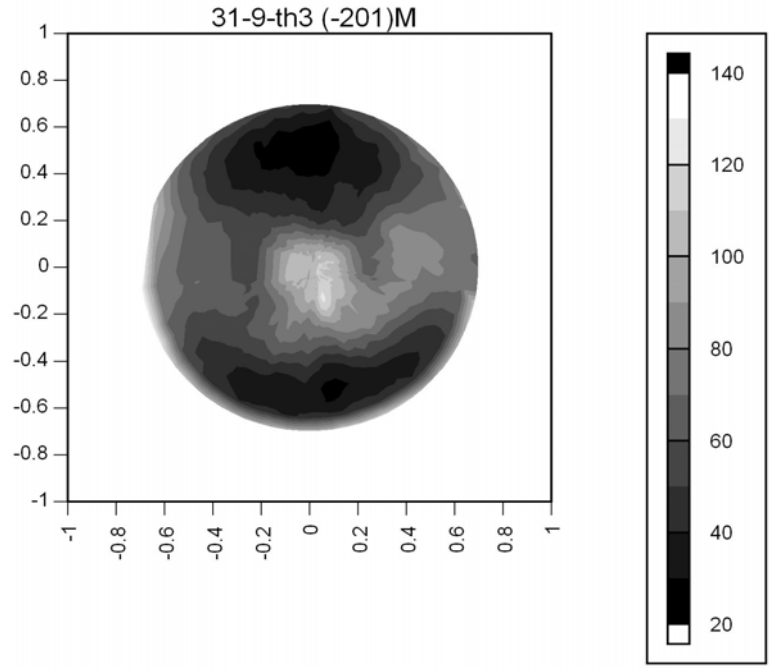






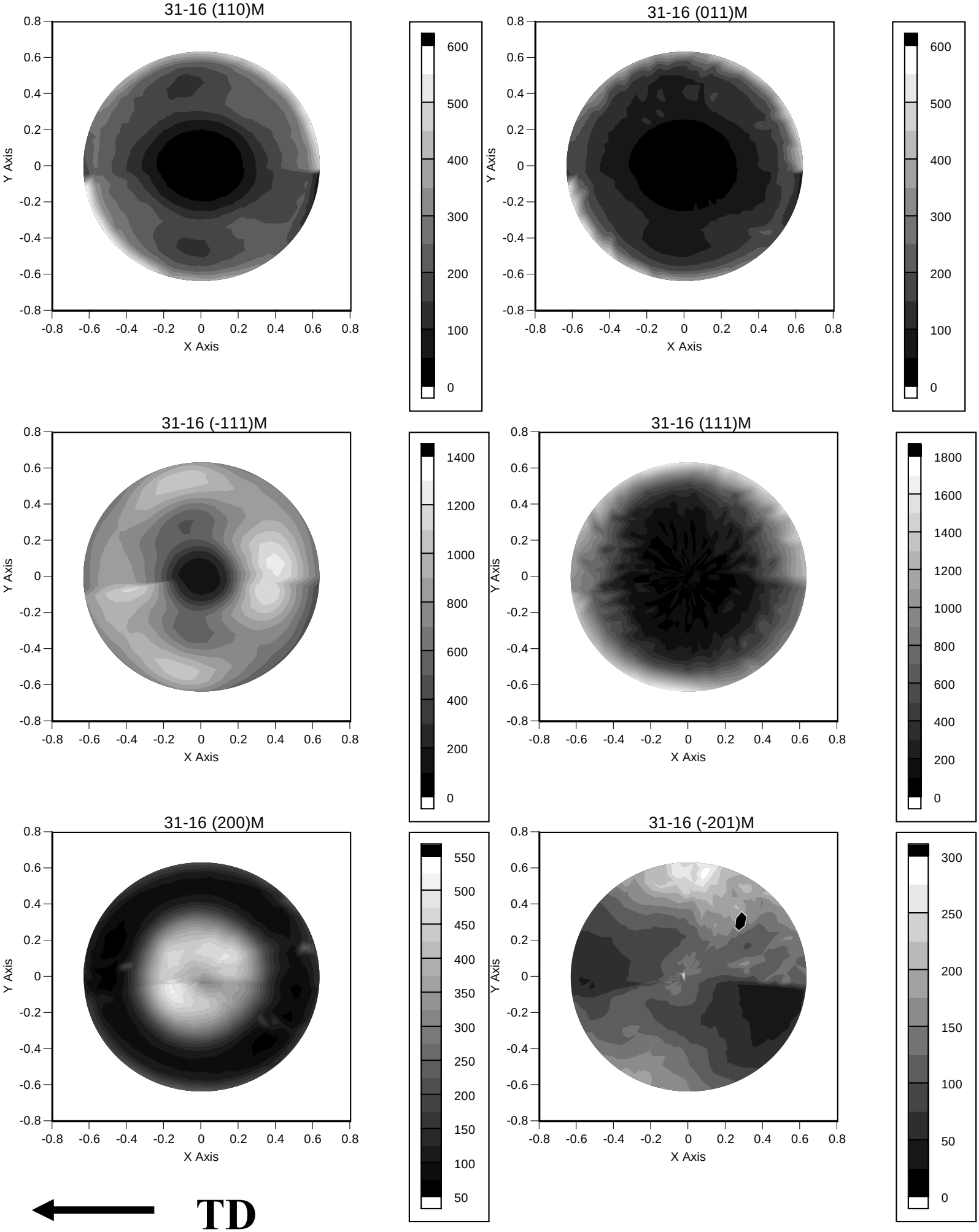




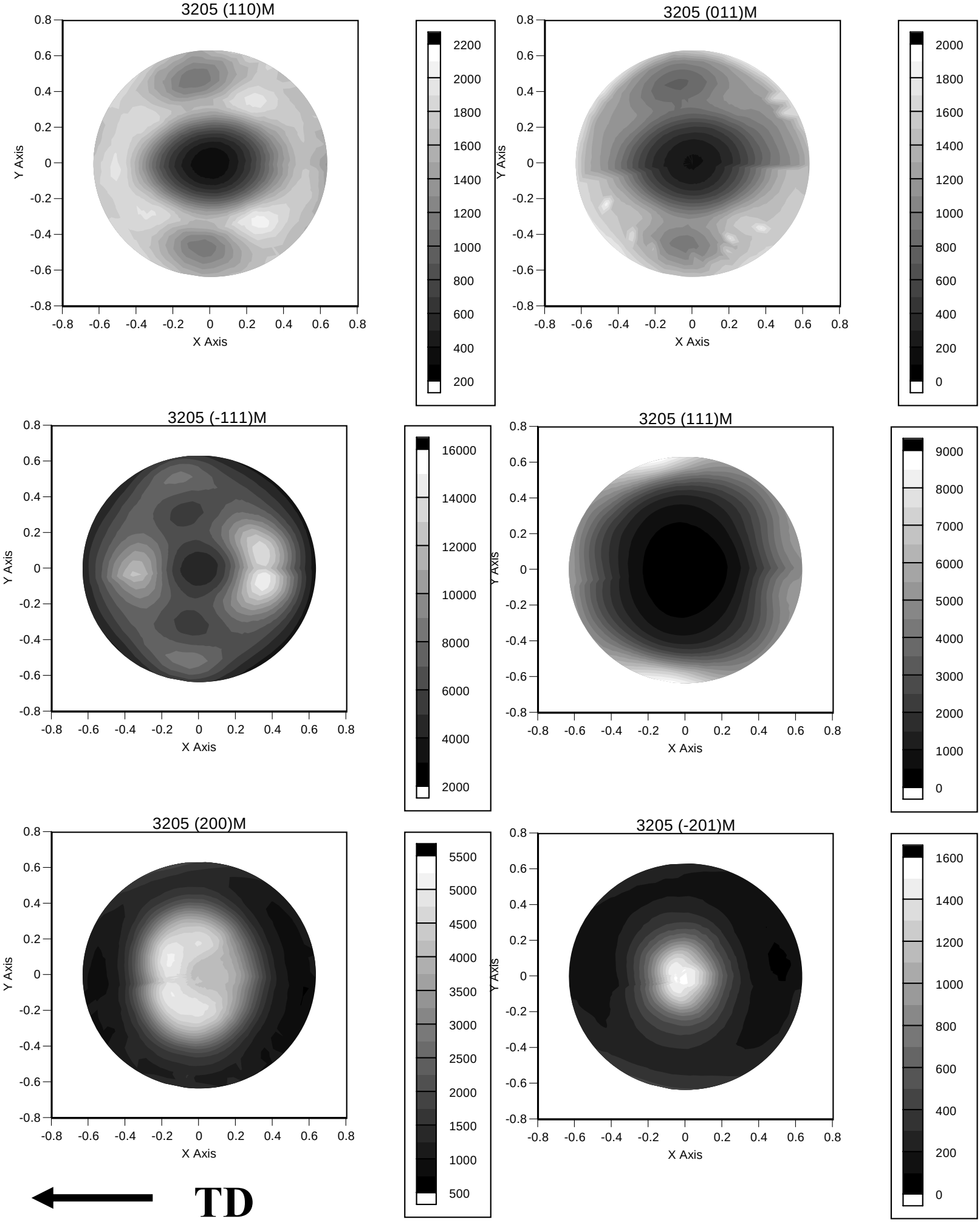


← RD

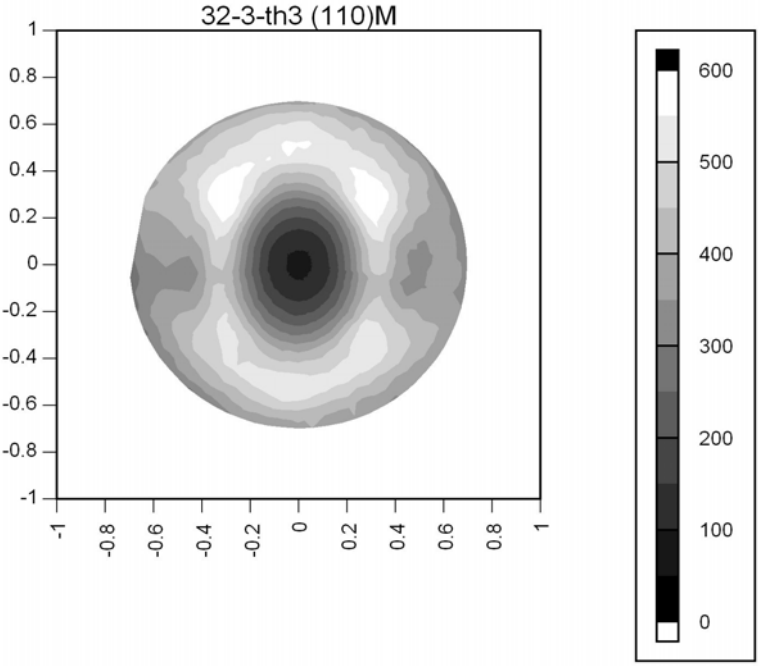
31-16: 360°C Water, 4.64 µm

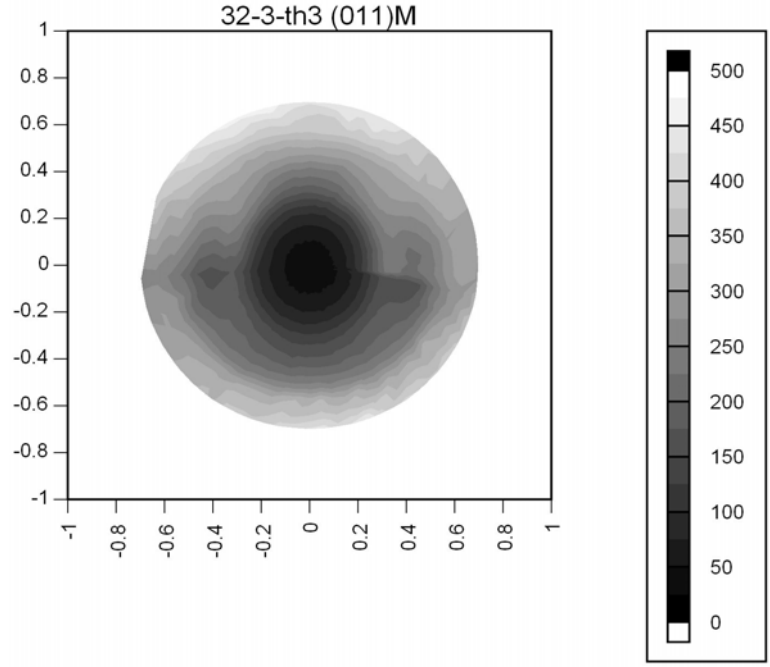


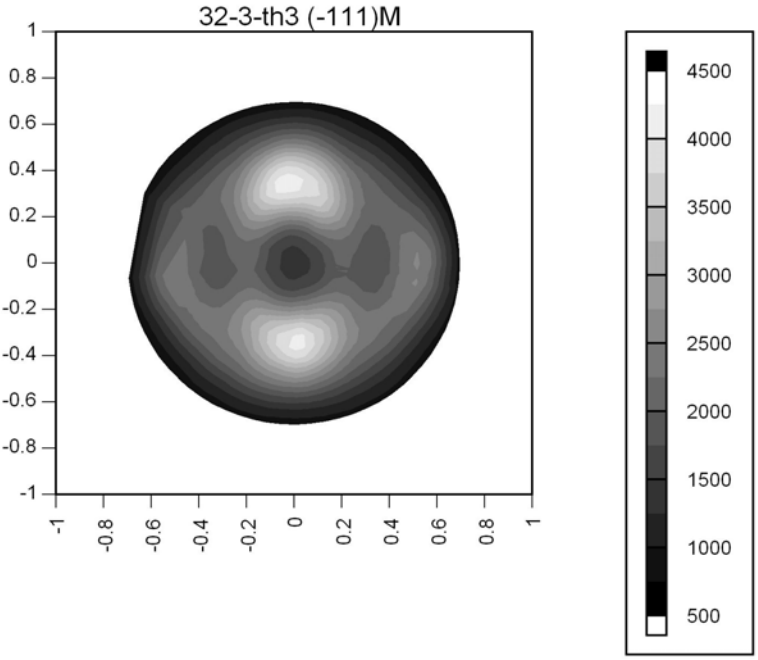
32-5: 360°C Water, 20 µm

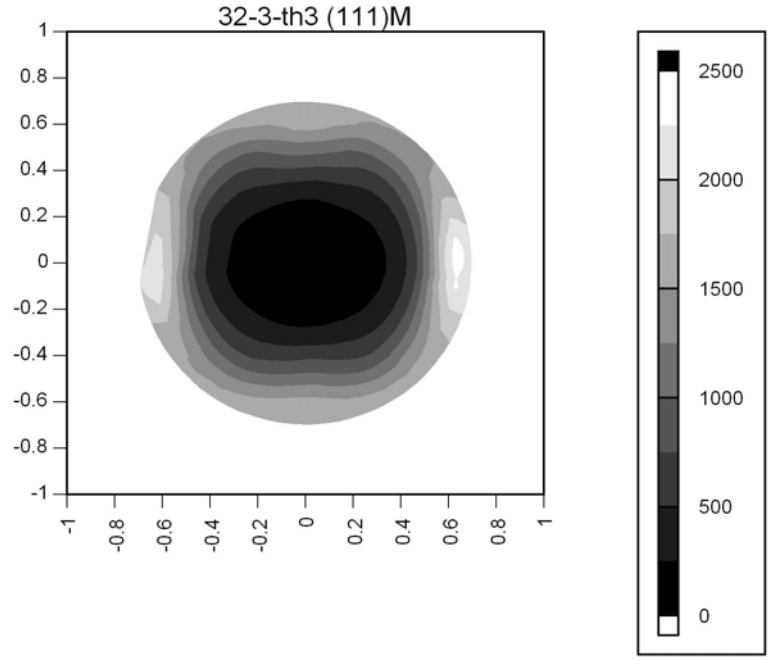


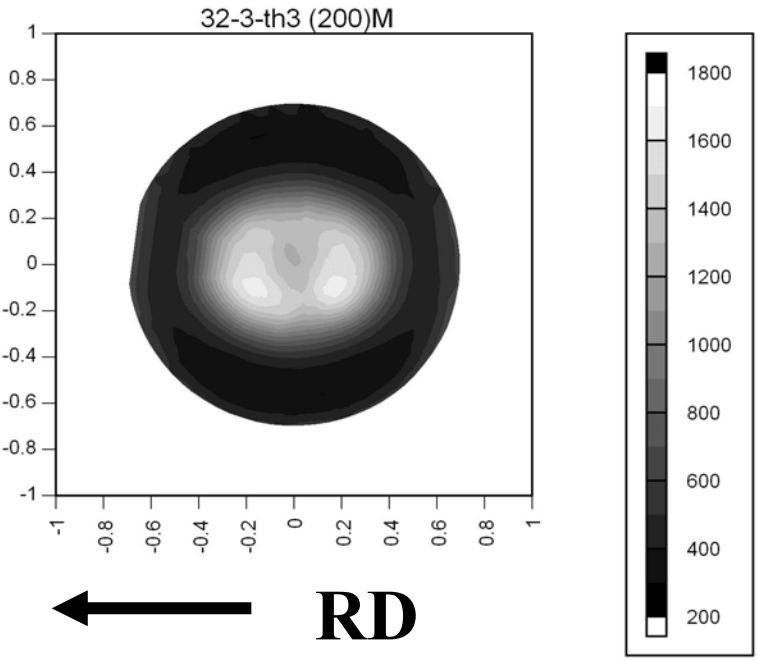
32-3: θ=3, 360°C Water, 90dd, 29.05 µm

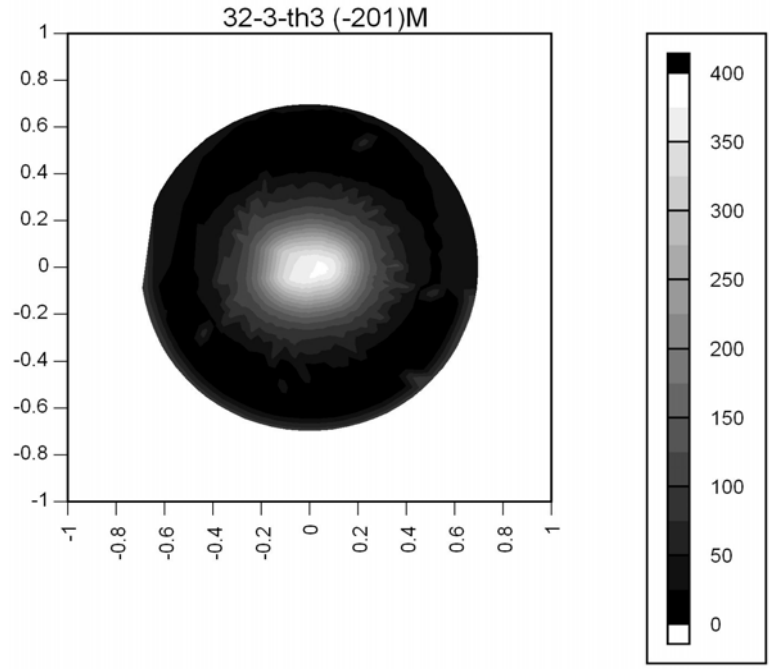






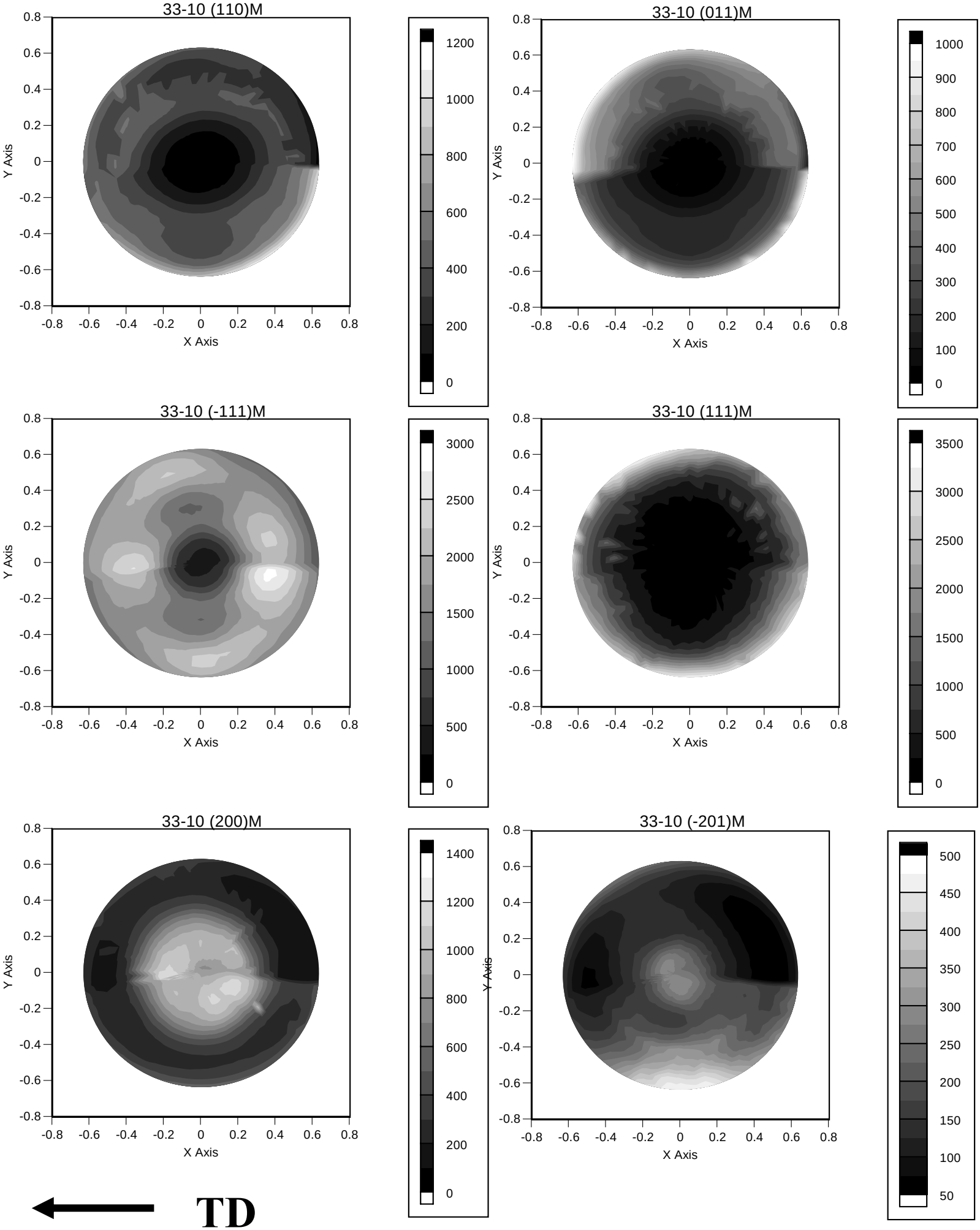




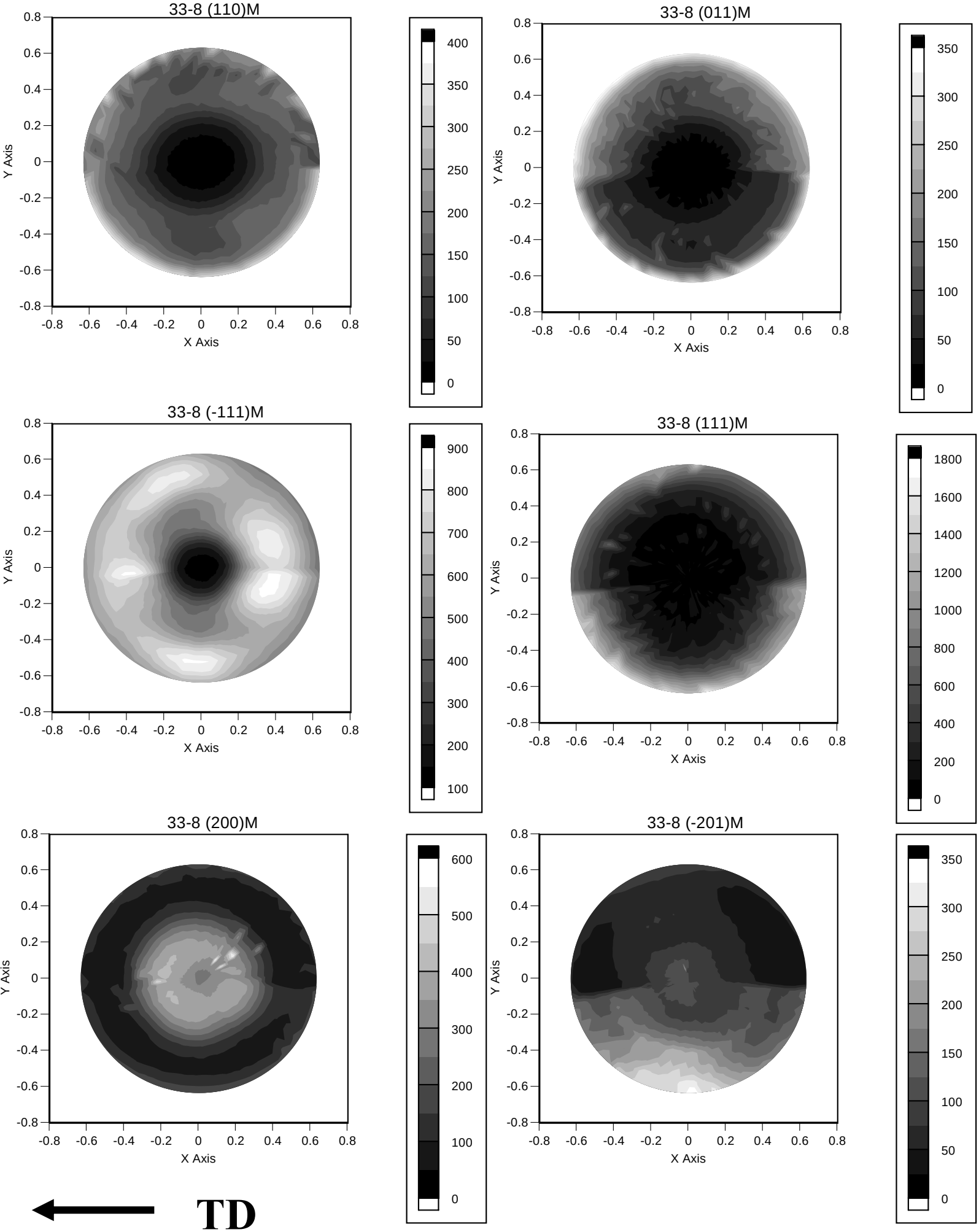


RD

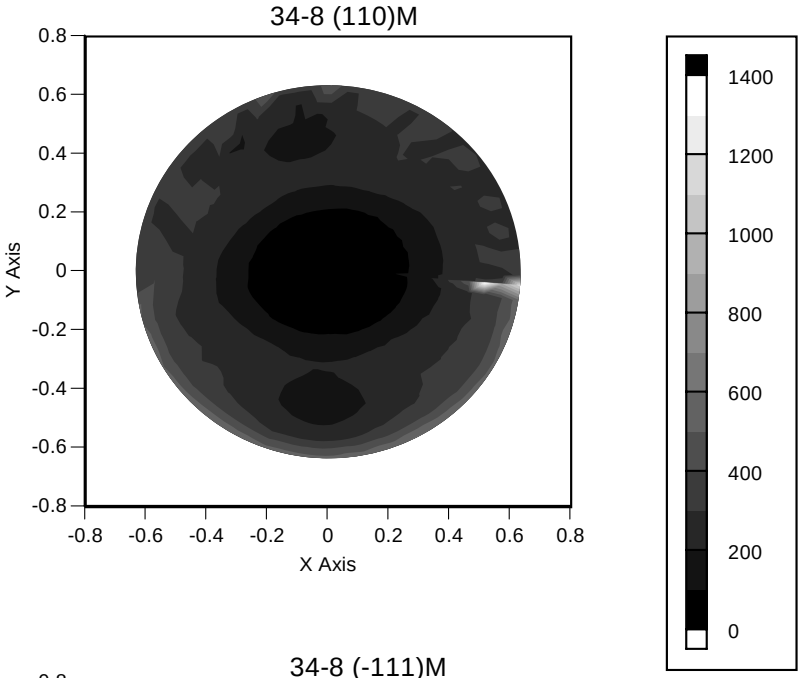
33-10: 360°C Water, 2.83 µm

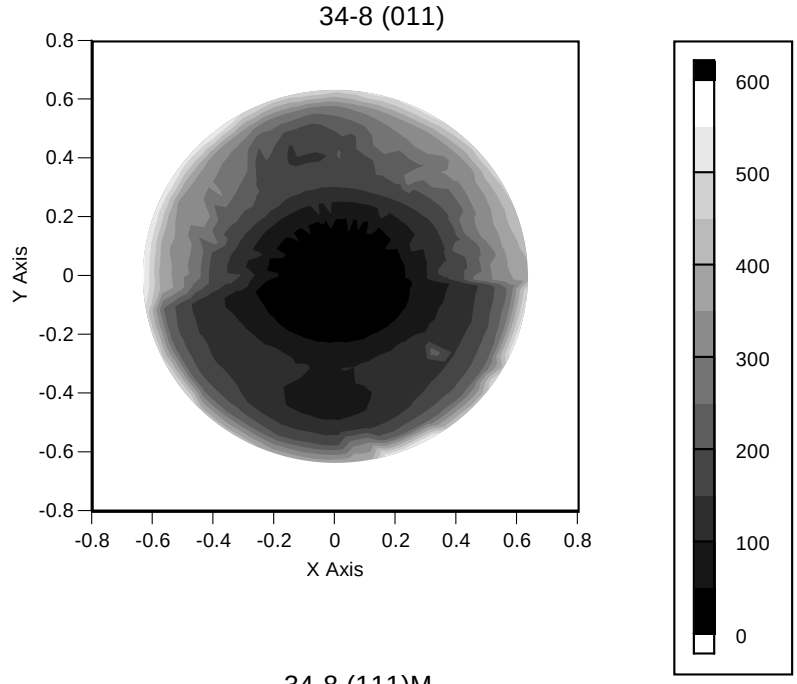


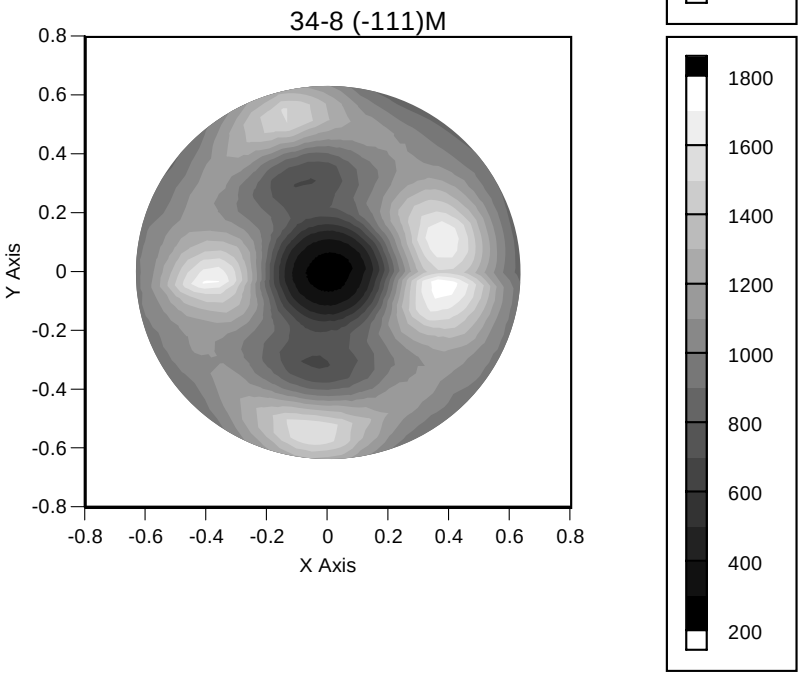
33-8: 360°C Water, 1.78 µm

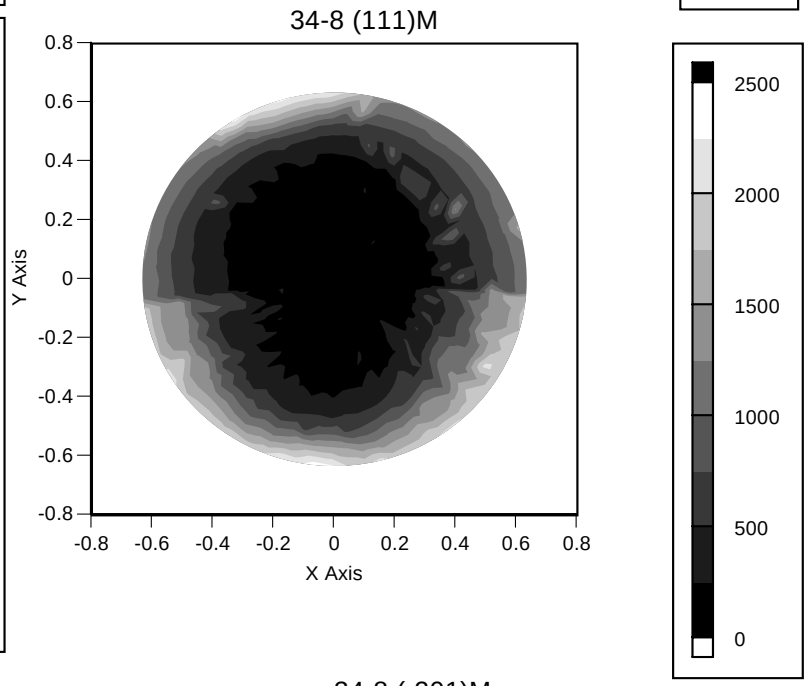


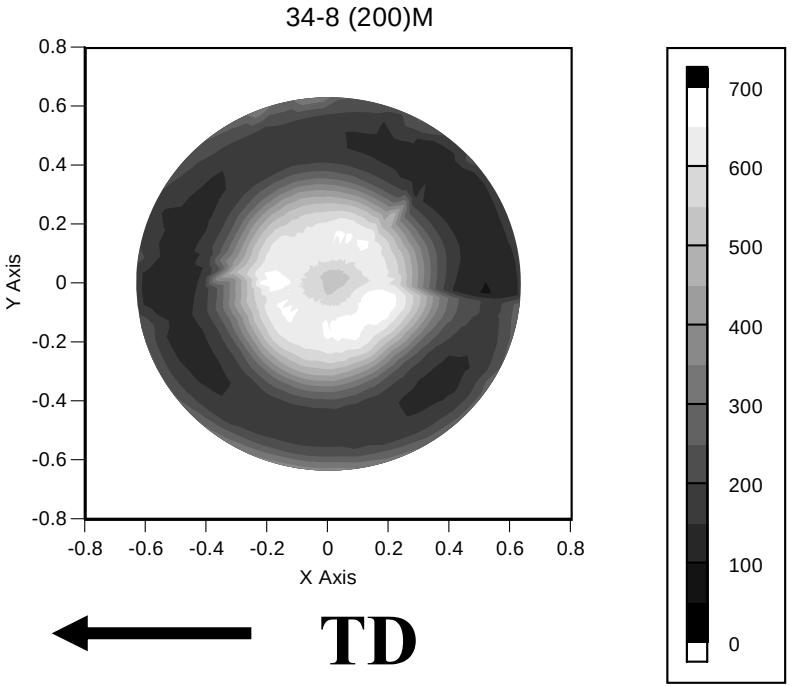
34-8: 360°C Water, 1.95 µm

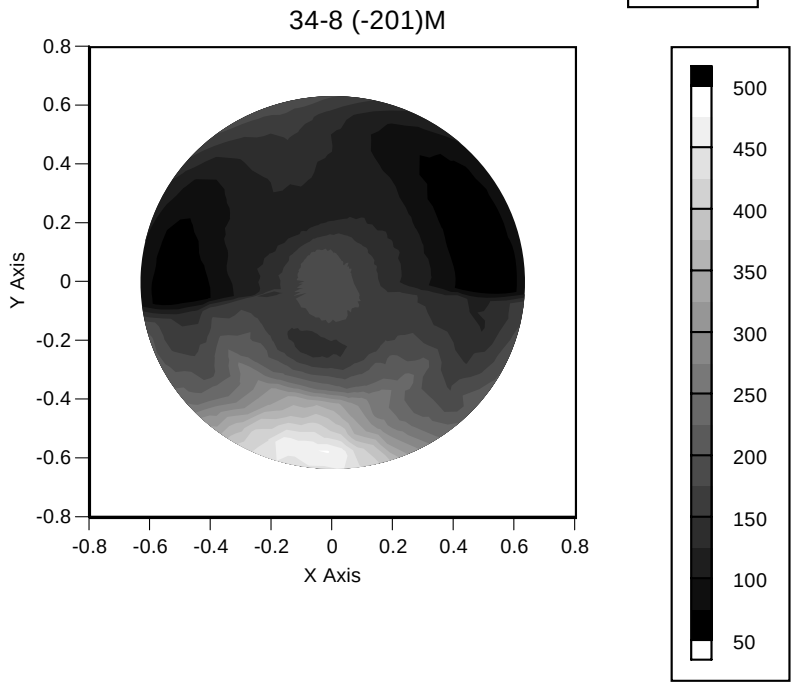






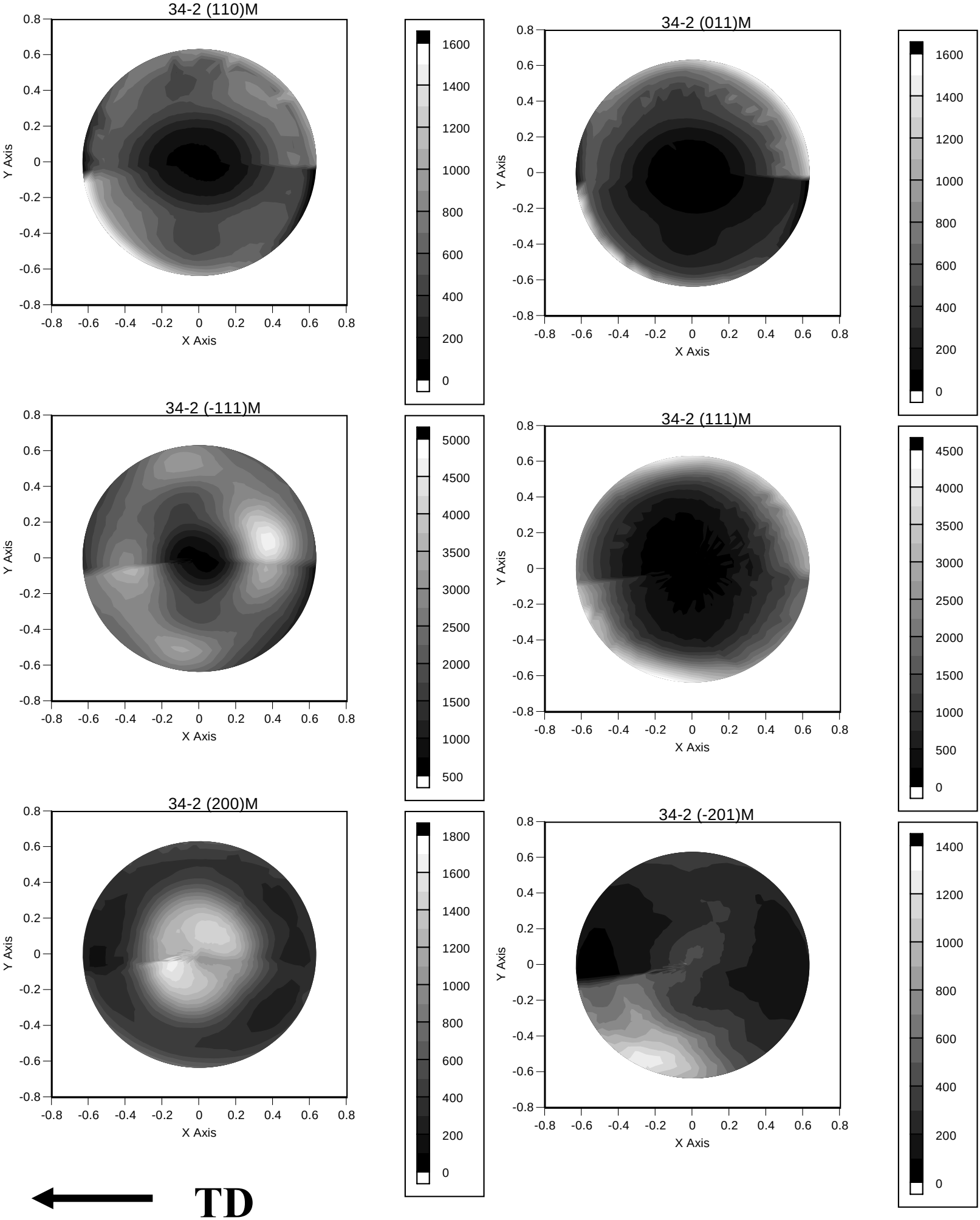






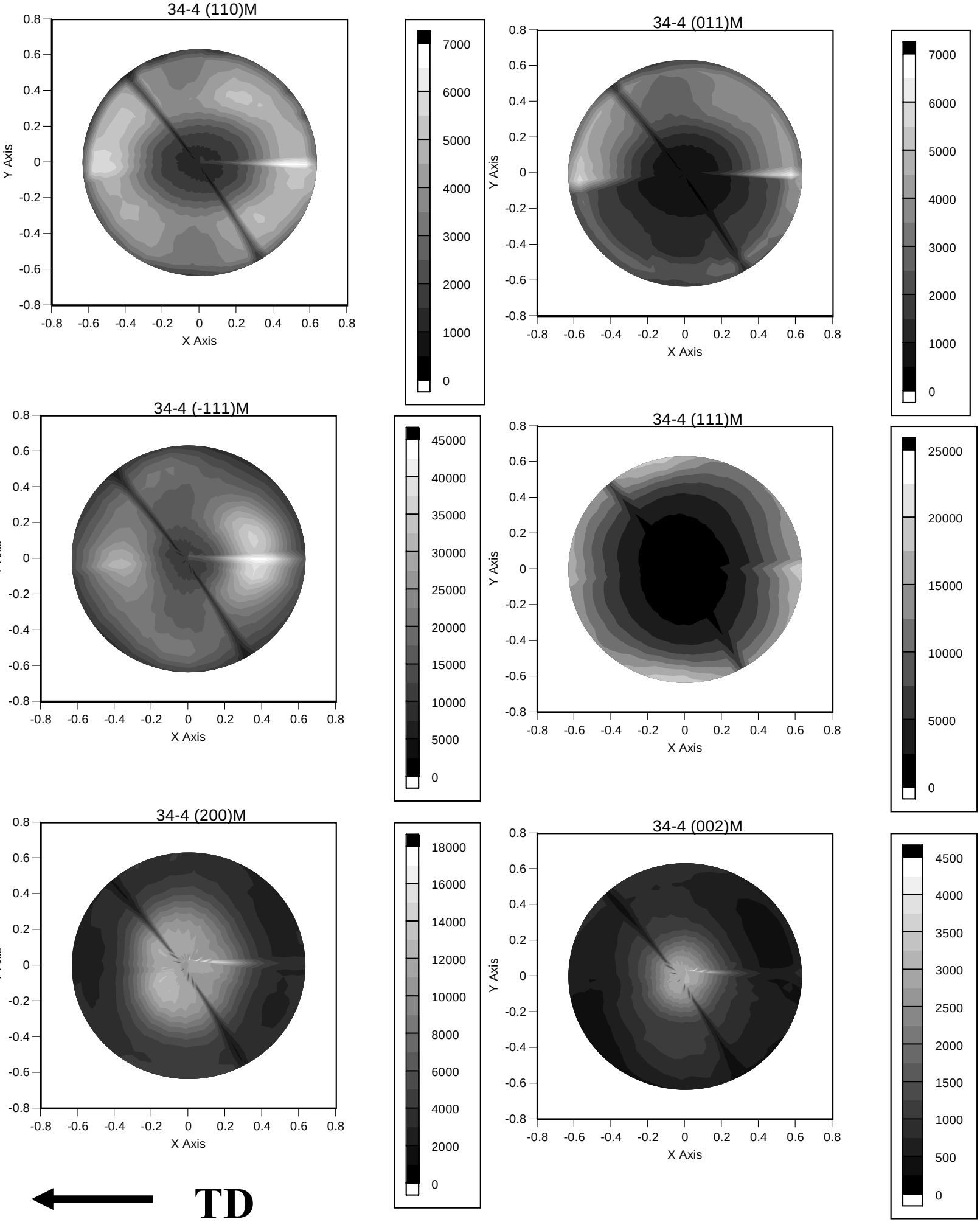
TD

34-2: 360°C Water, 4.58 µm

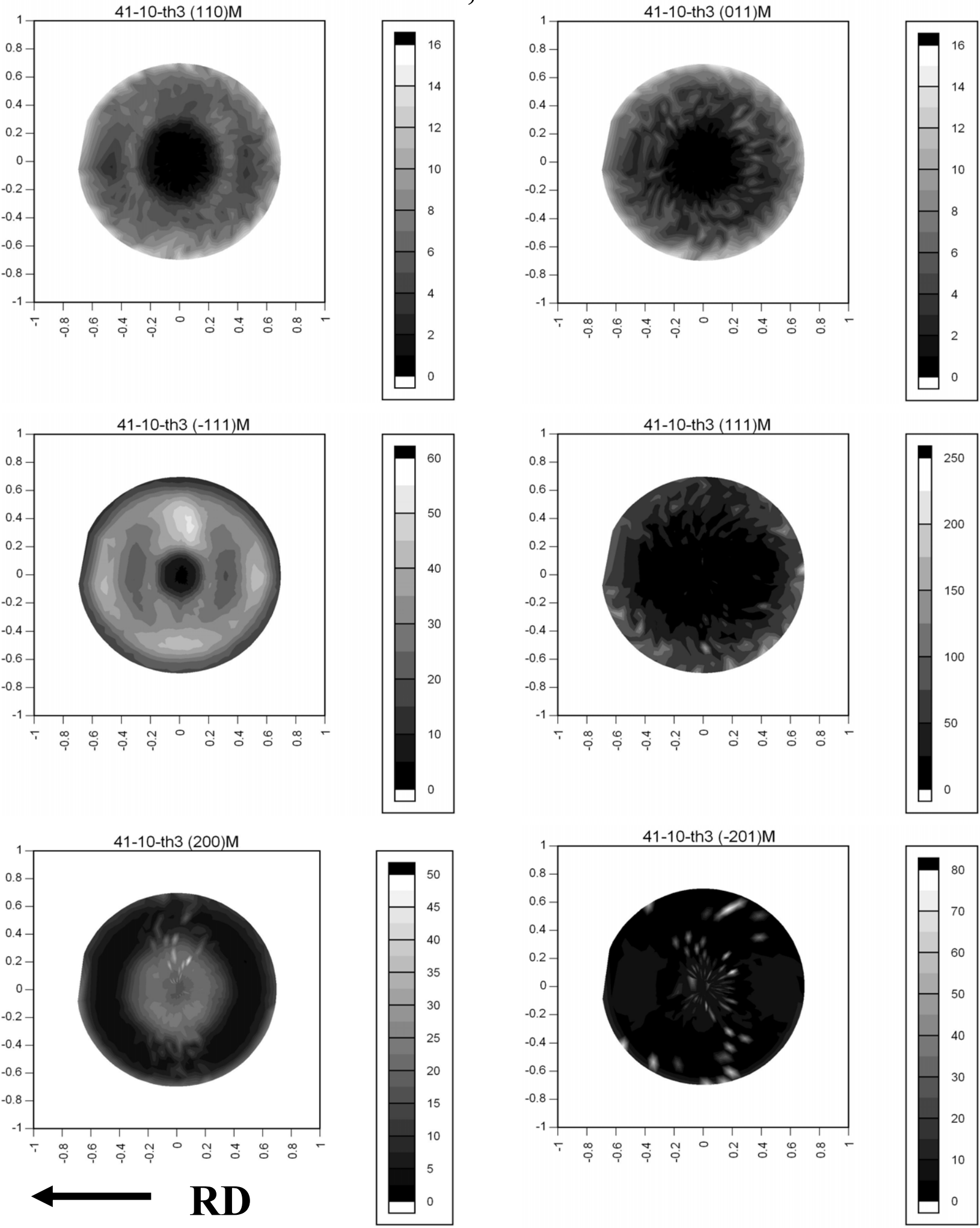


TD

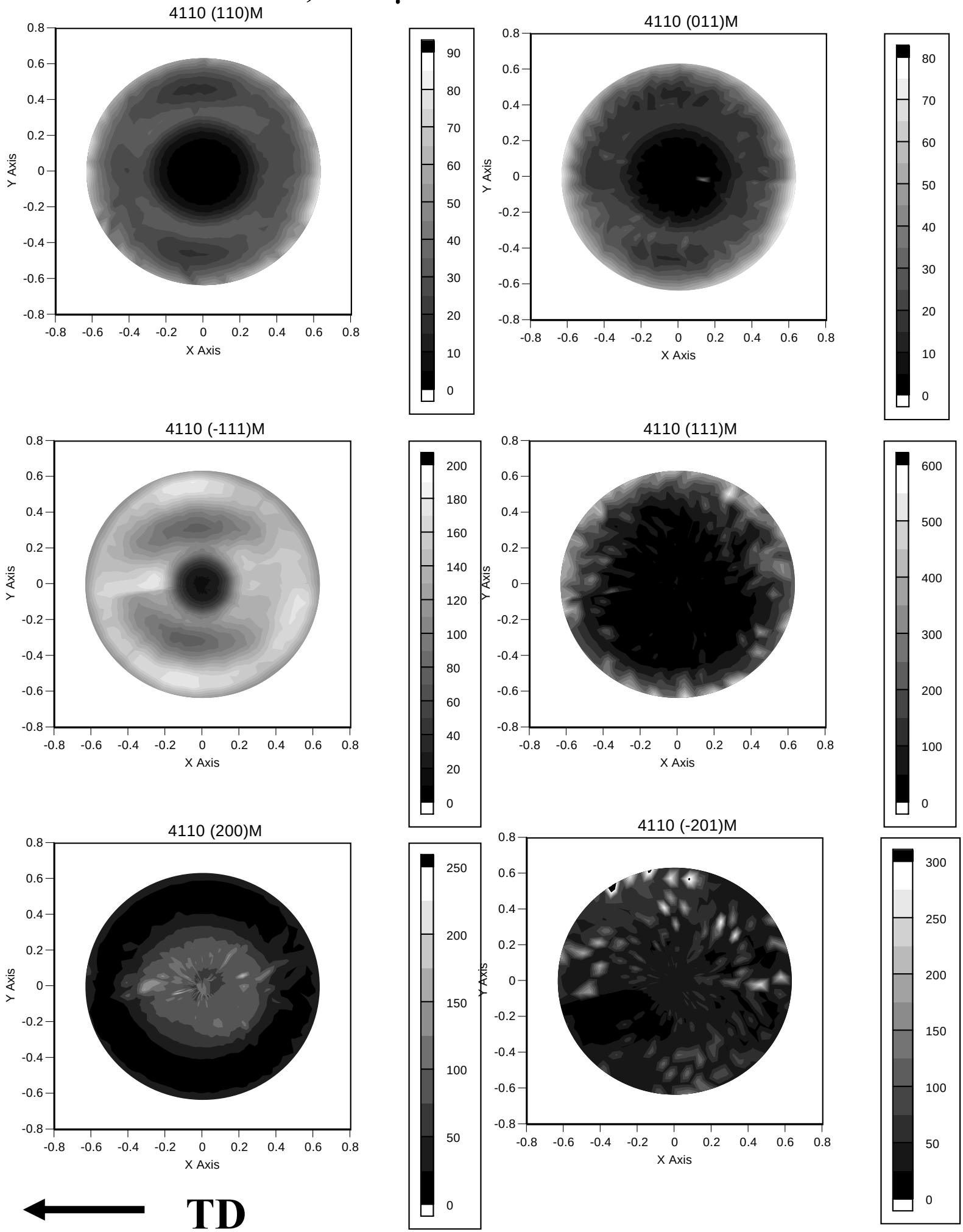
34-4: 360°C Water, 14.76 µm



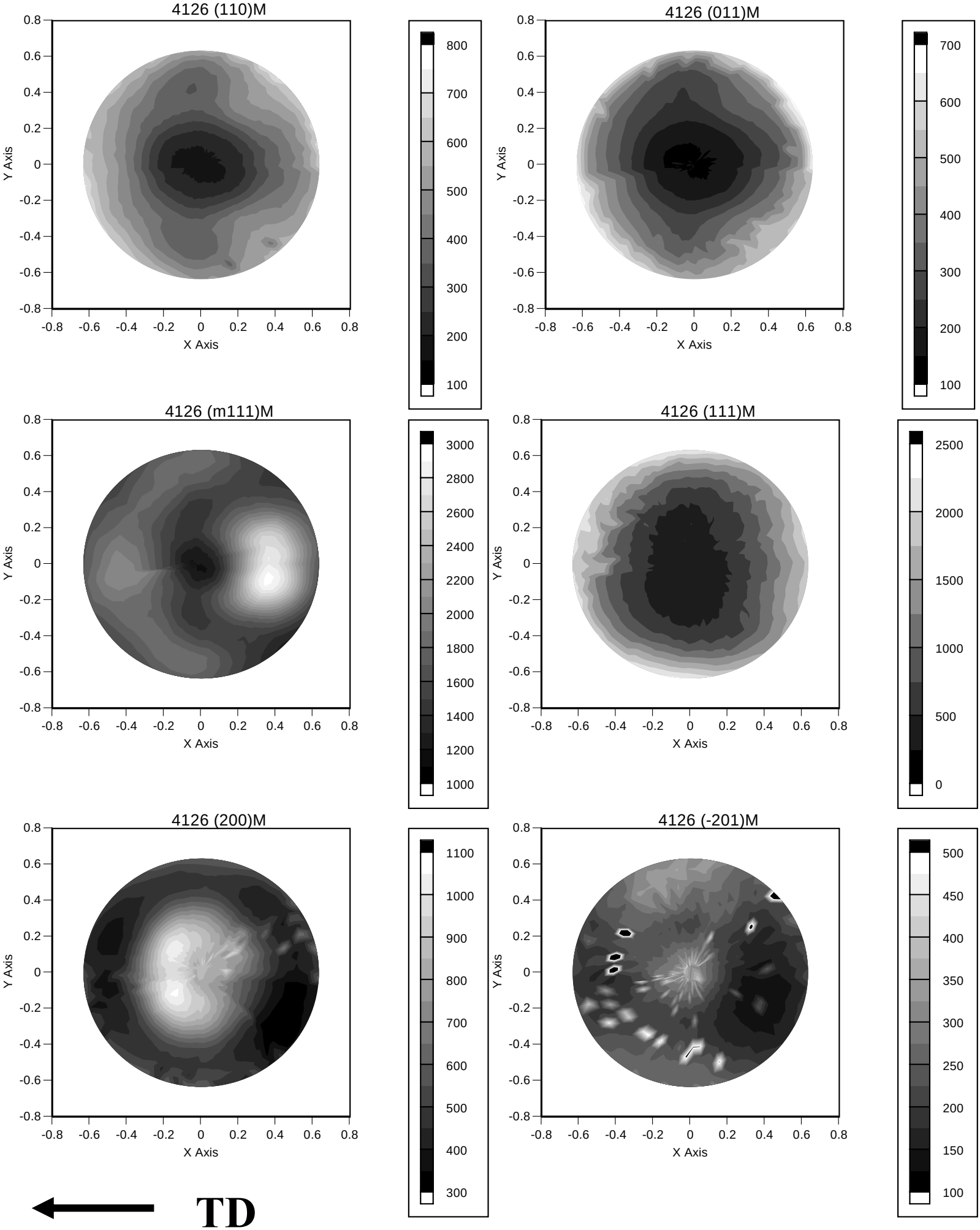
41-10: θ=3, 360ºC Water, 14dd, 1.09 µm



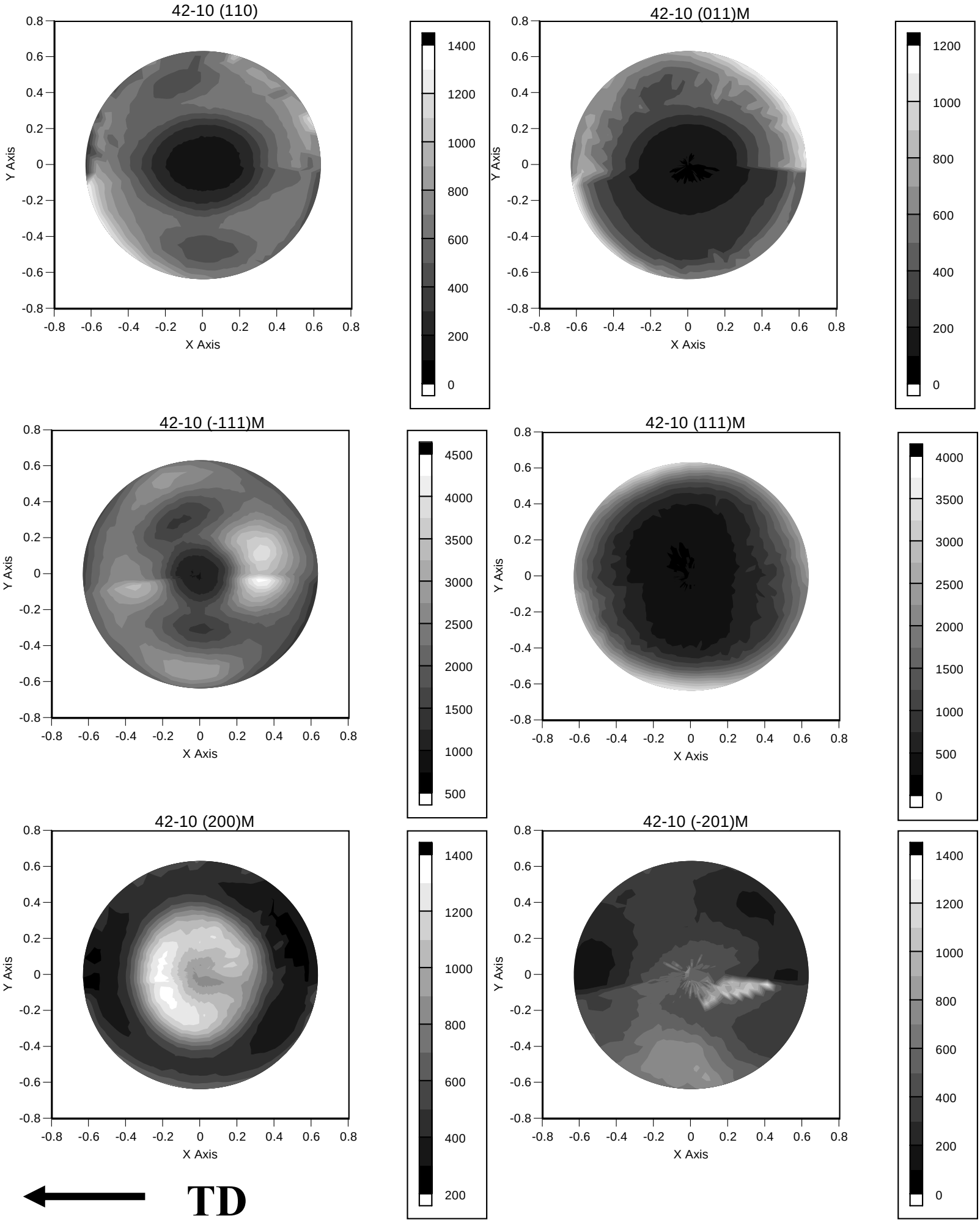
41-10: 360°C Water, 1.09 µm



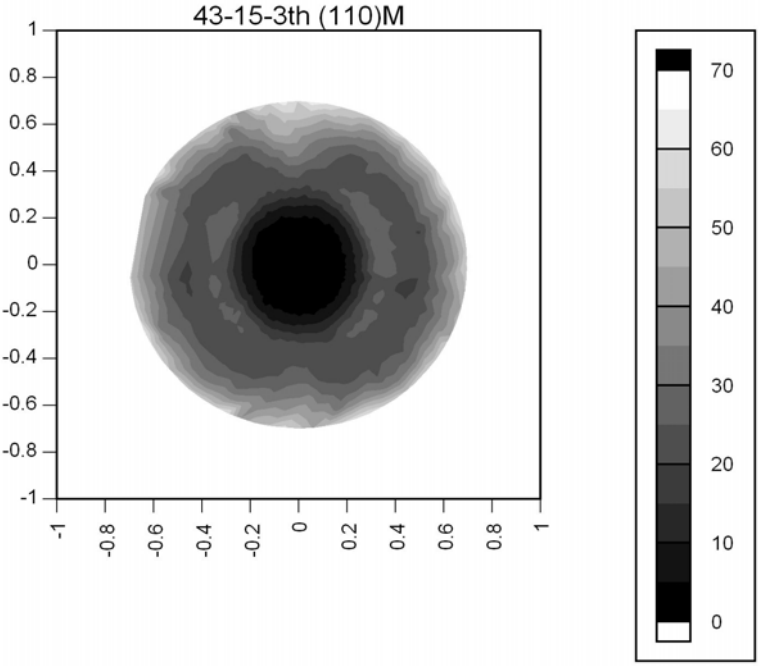
41-26: 360°C Water, 72 hrs, 3.9 µm

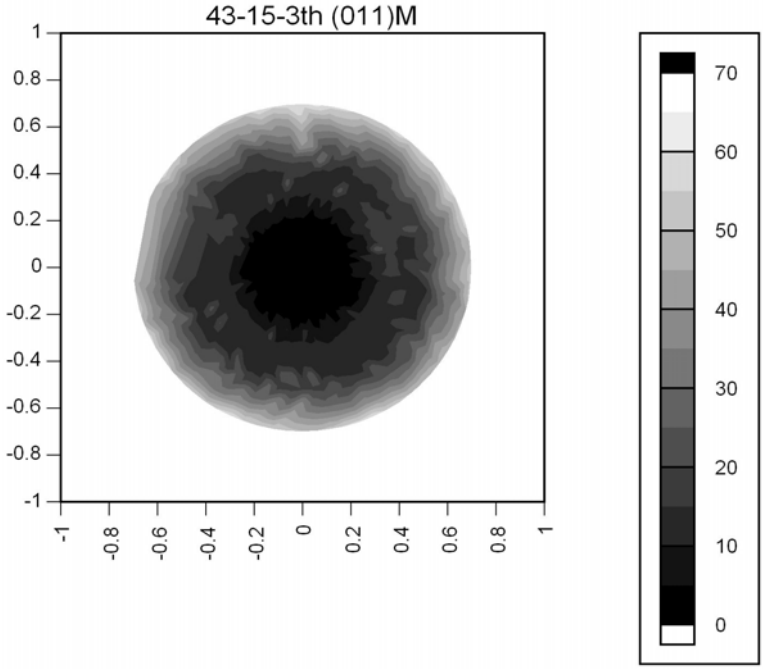


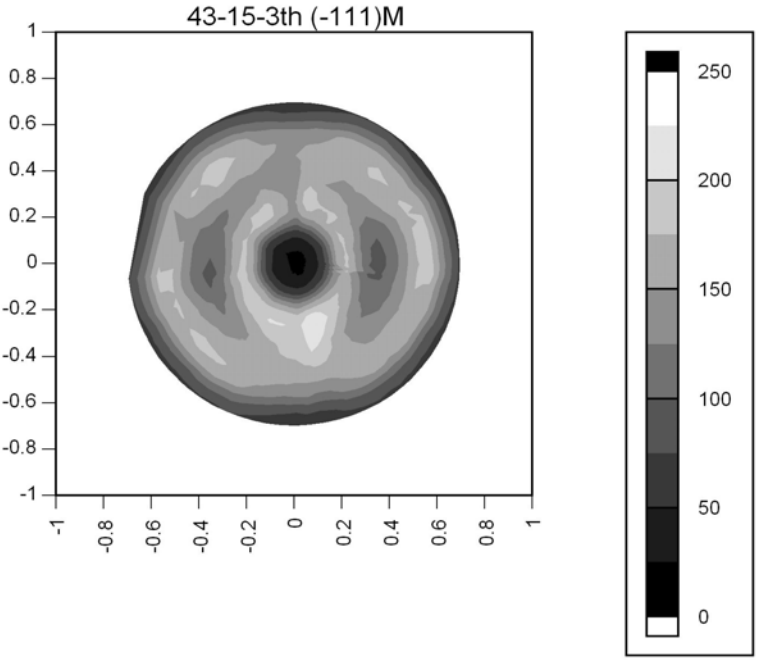
42-10: 360°C Water, 1.09 µm

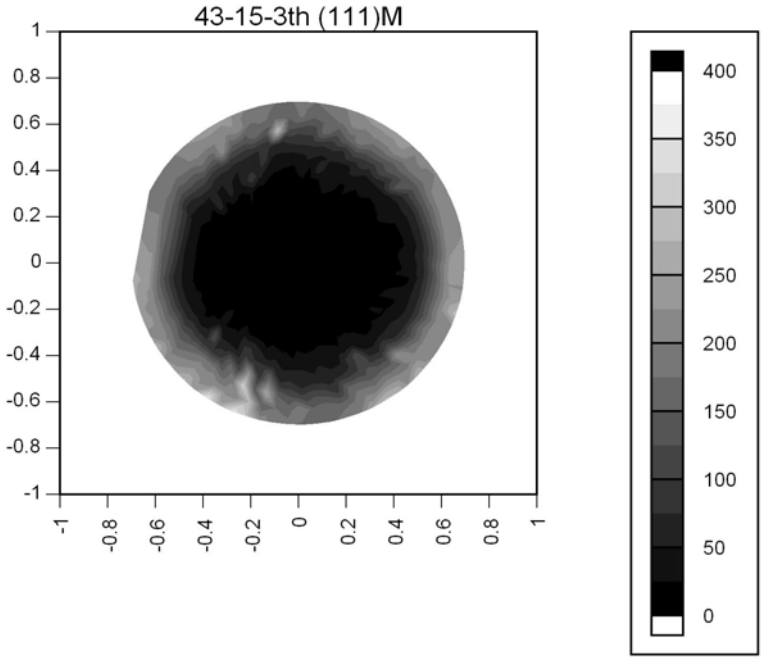


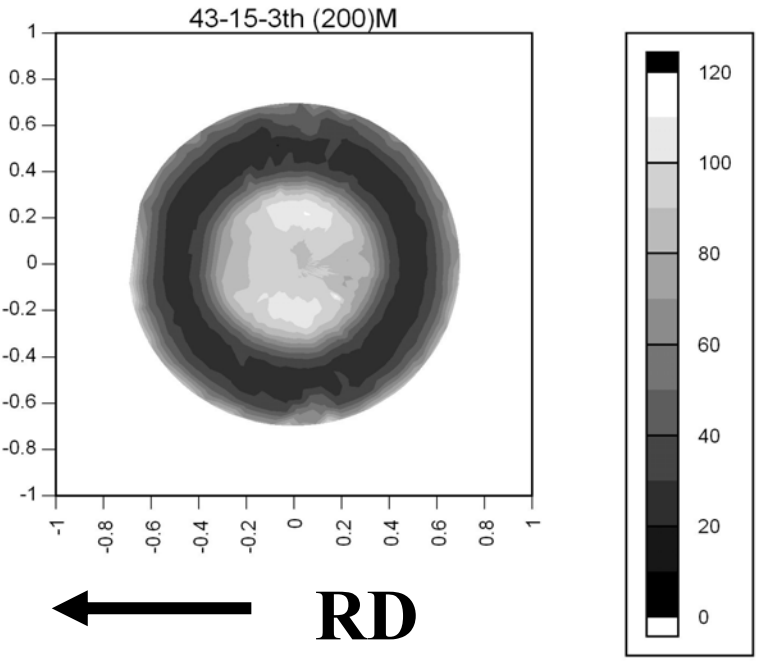
43-15: θ=3, 360°C Water, 116dd, 2.08 µm

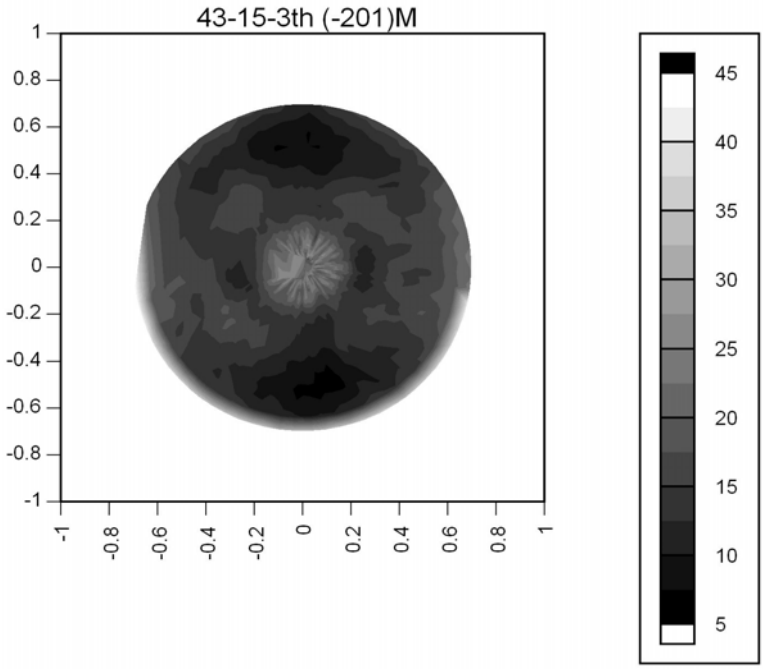






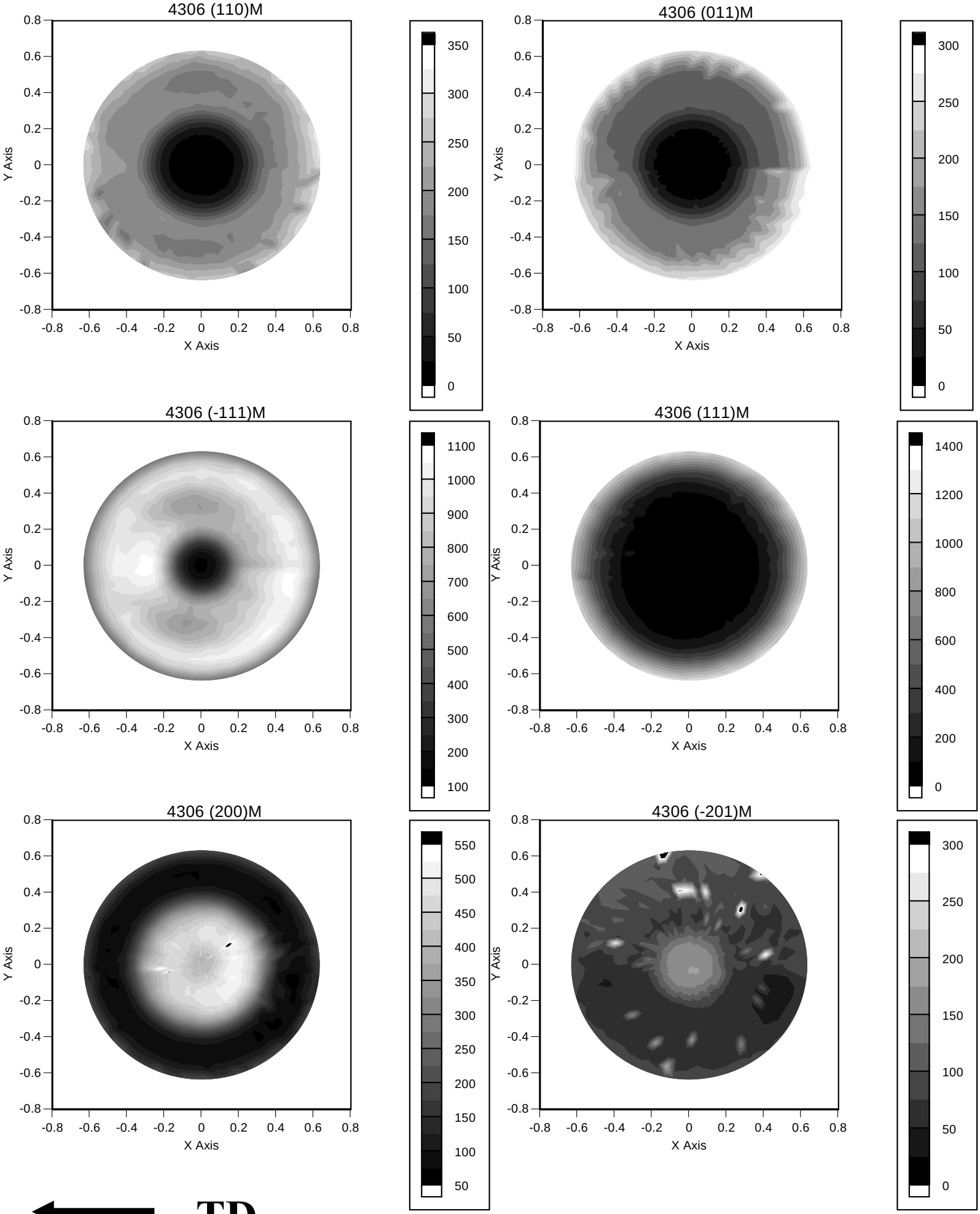




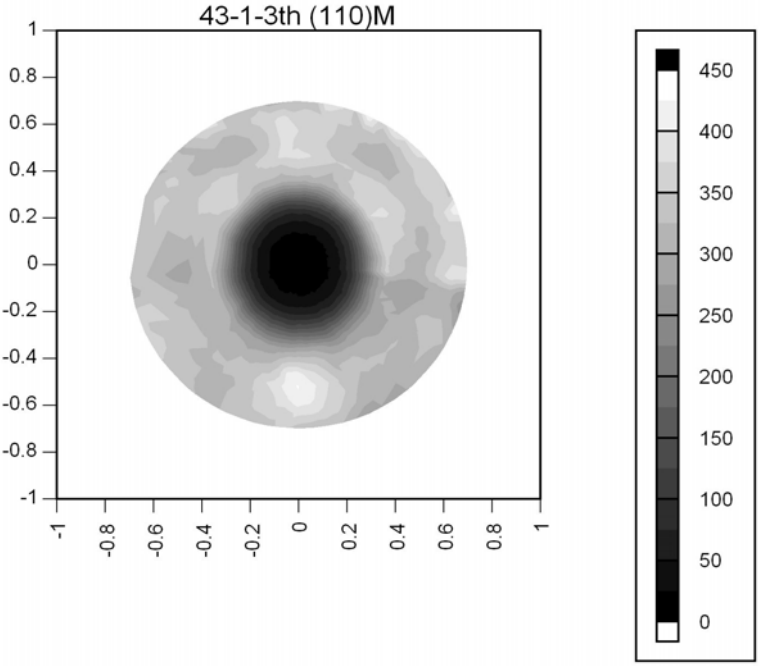


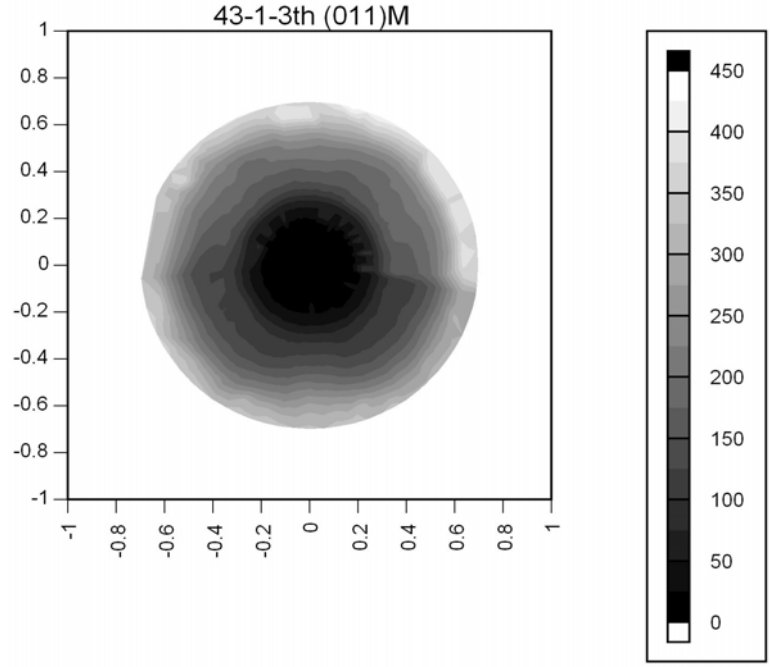
← RD

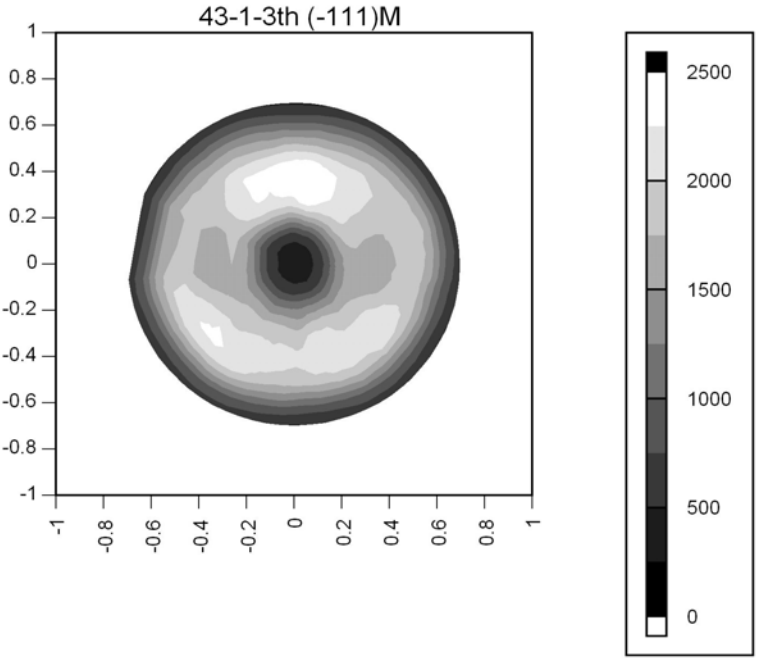
43-6: 360°C Water, 3.93 µm

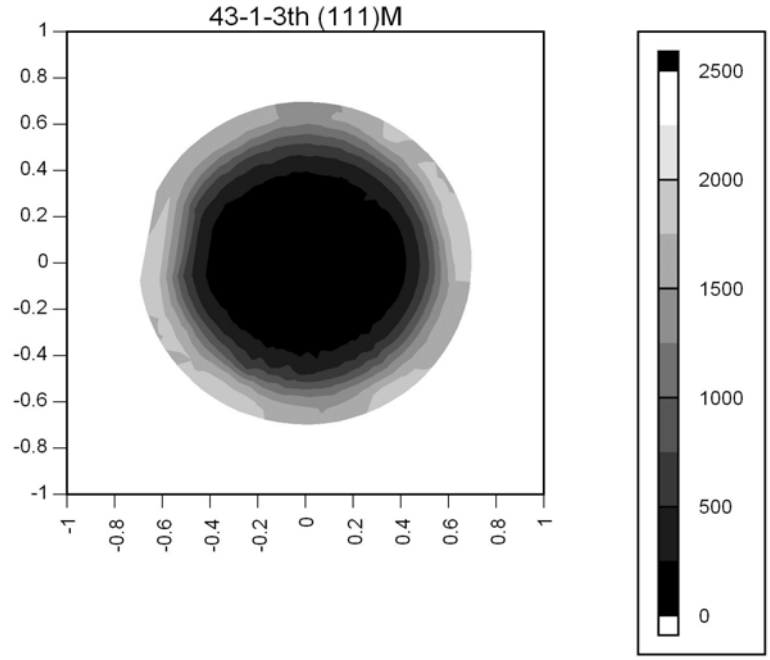


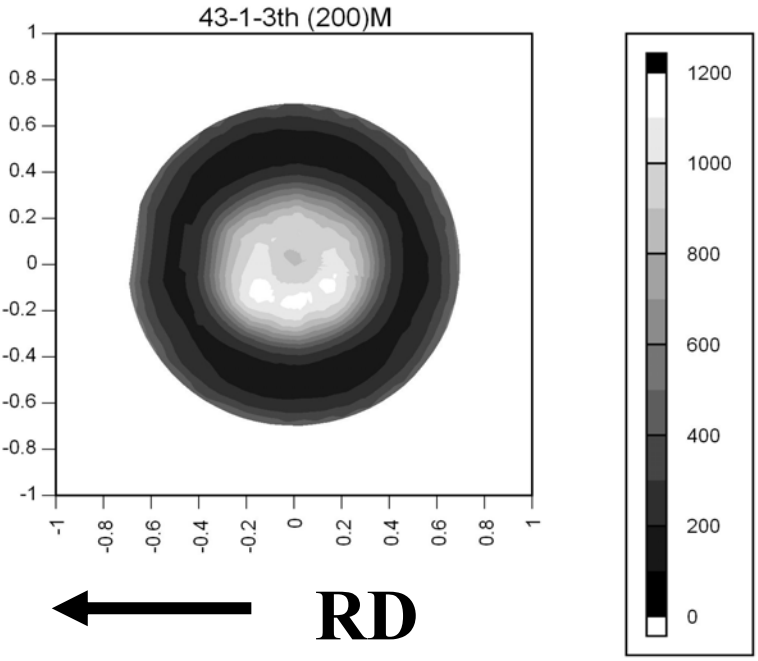
43-1: θ=3, 360°C Water, 353 dd, 6.93 µm

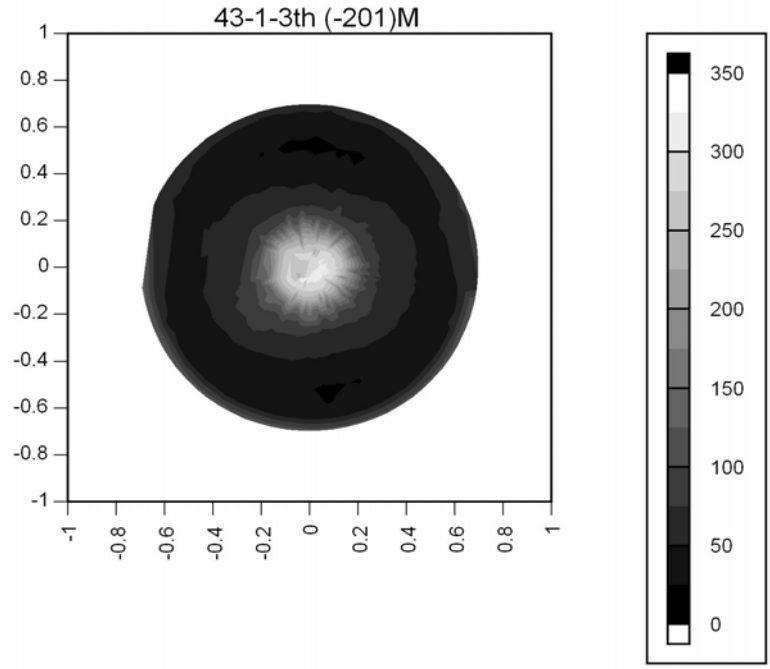






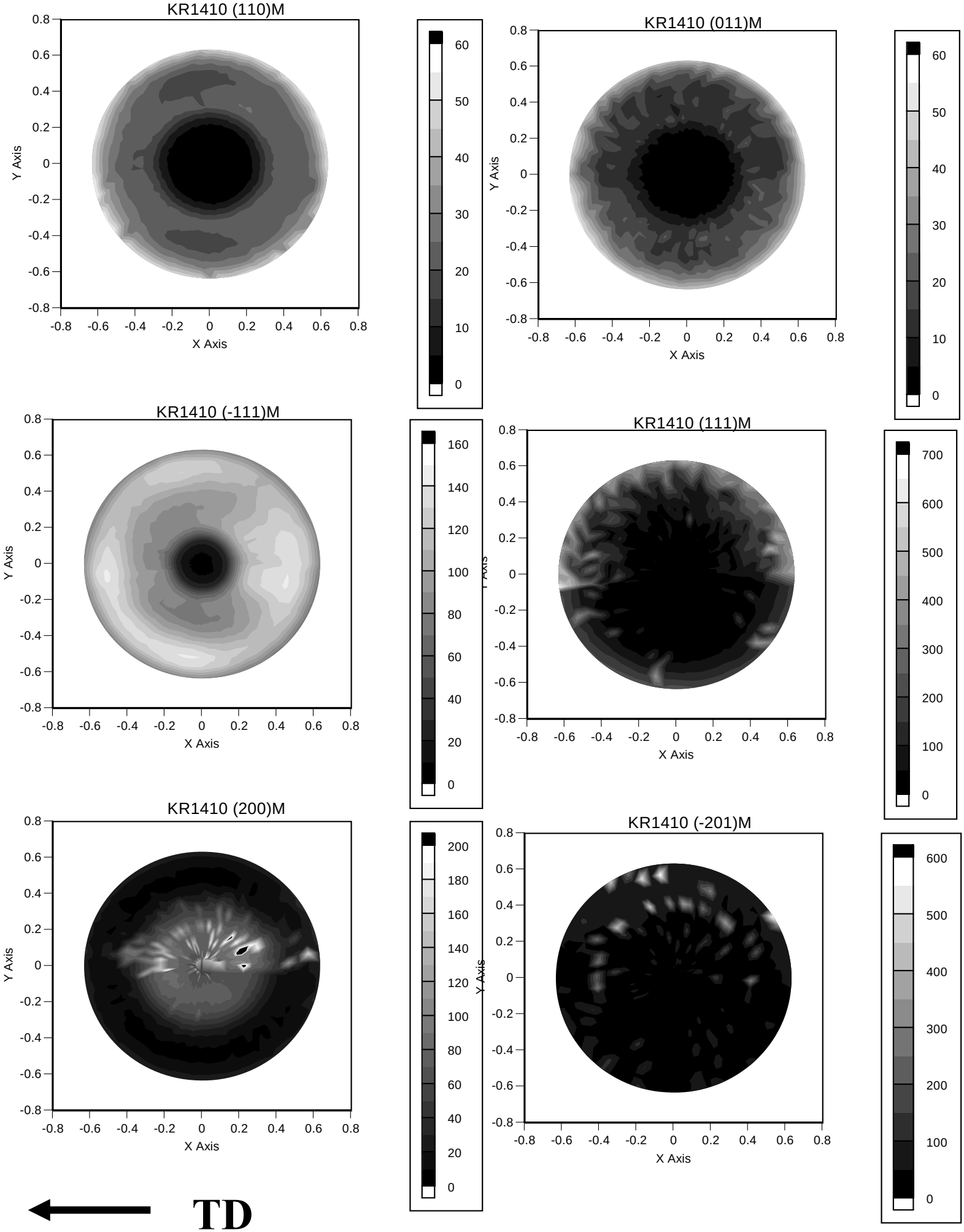




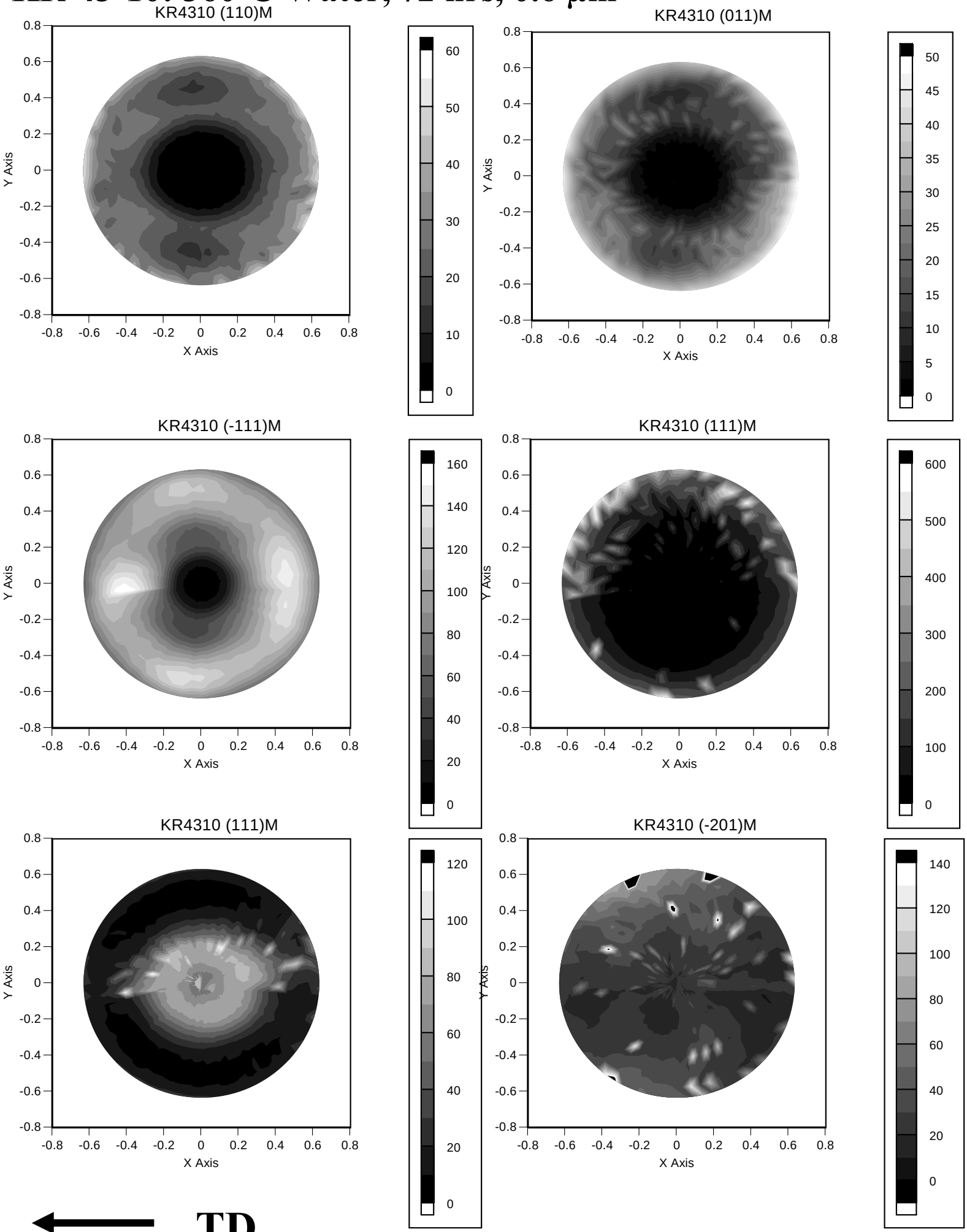


RD

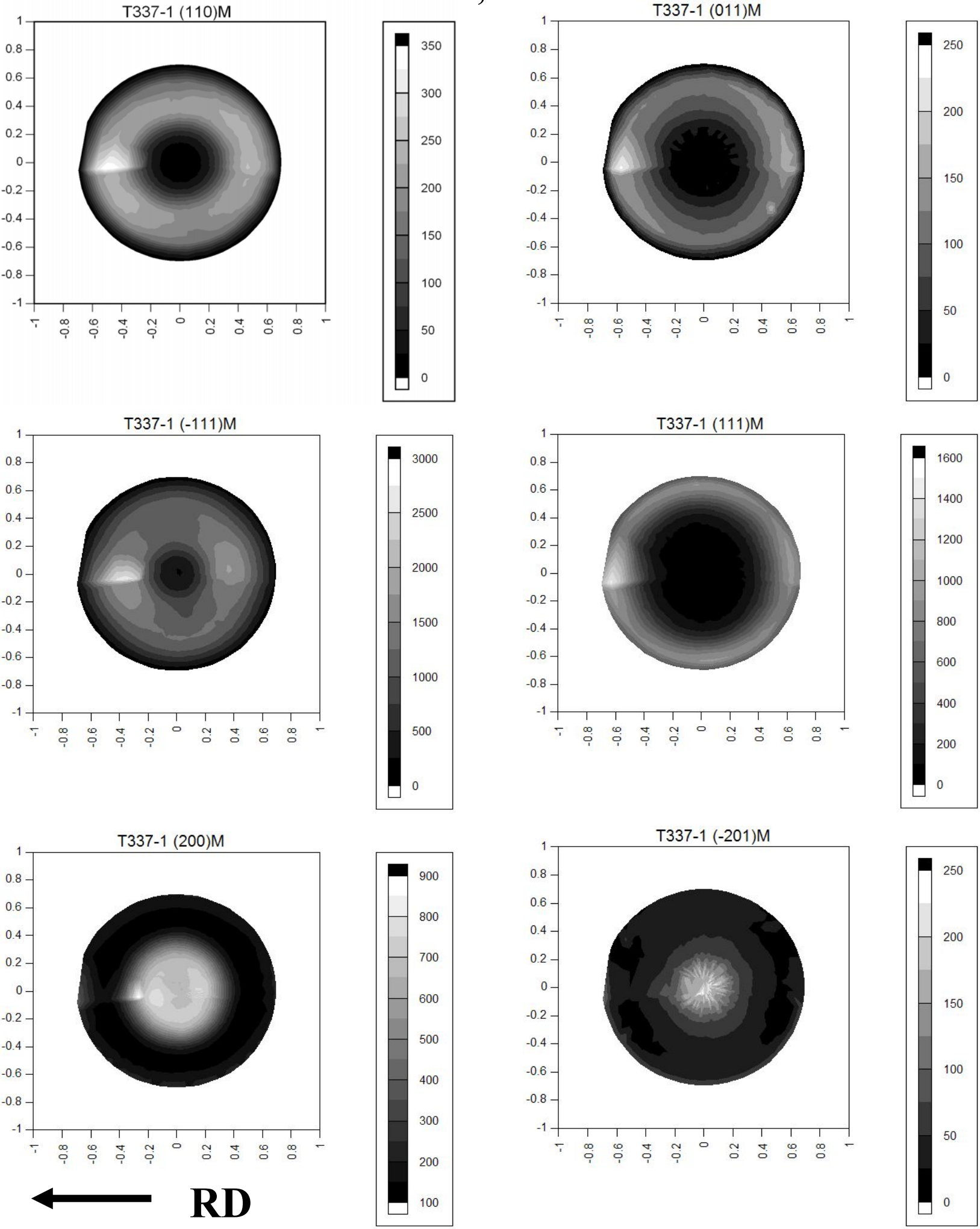
KR-14-10: 360°C Water, 72 hrs, 0.7 µm



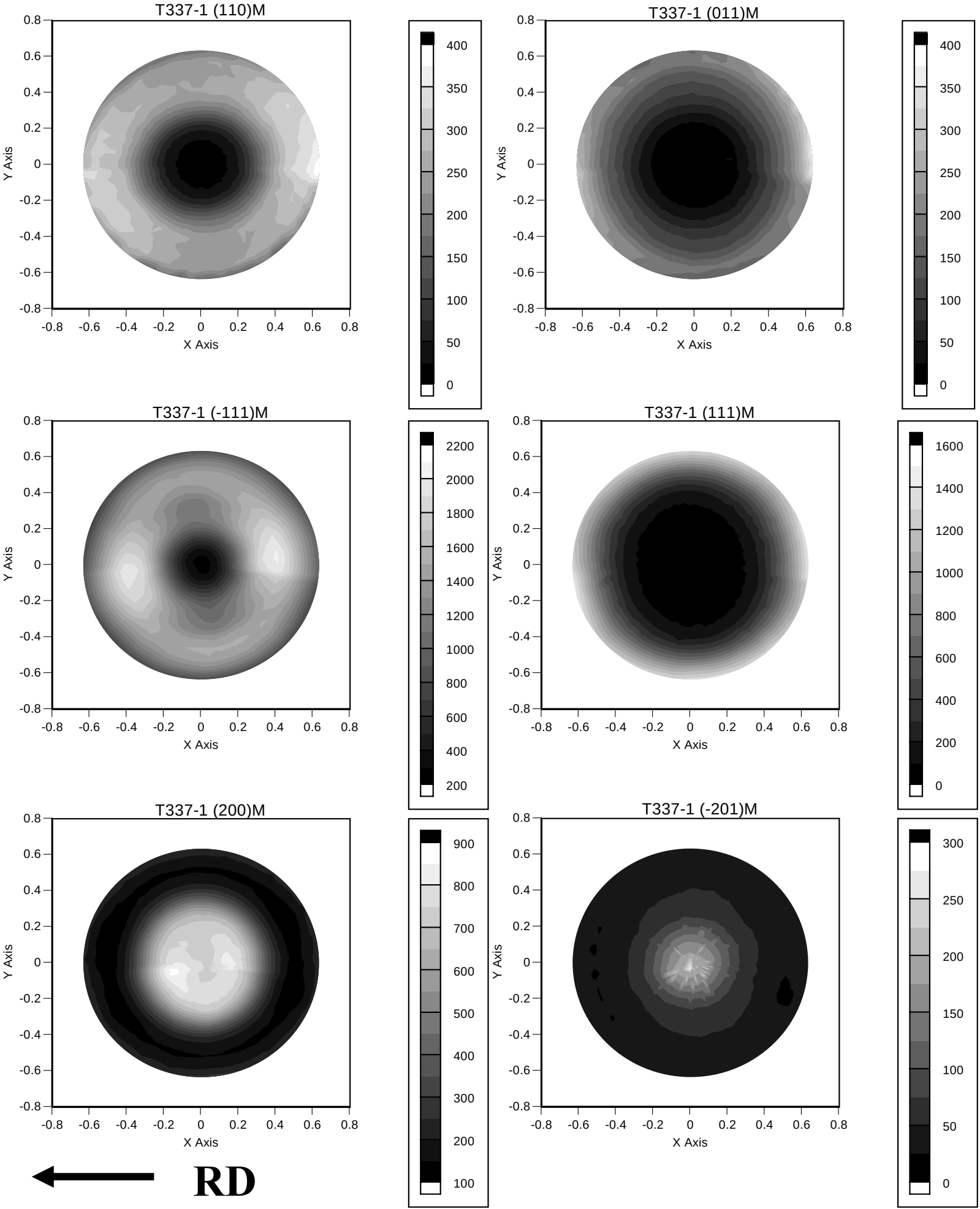
KR-43-10: 360°C Water, 72 hrs, 0.6 µm



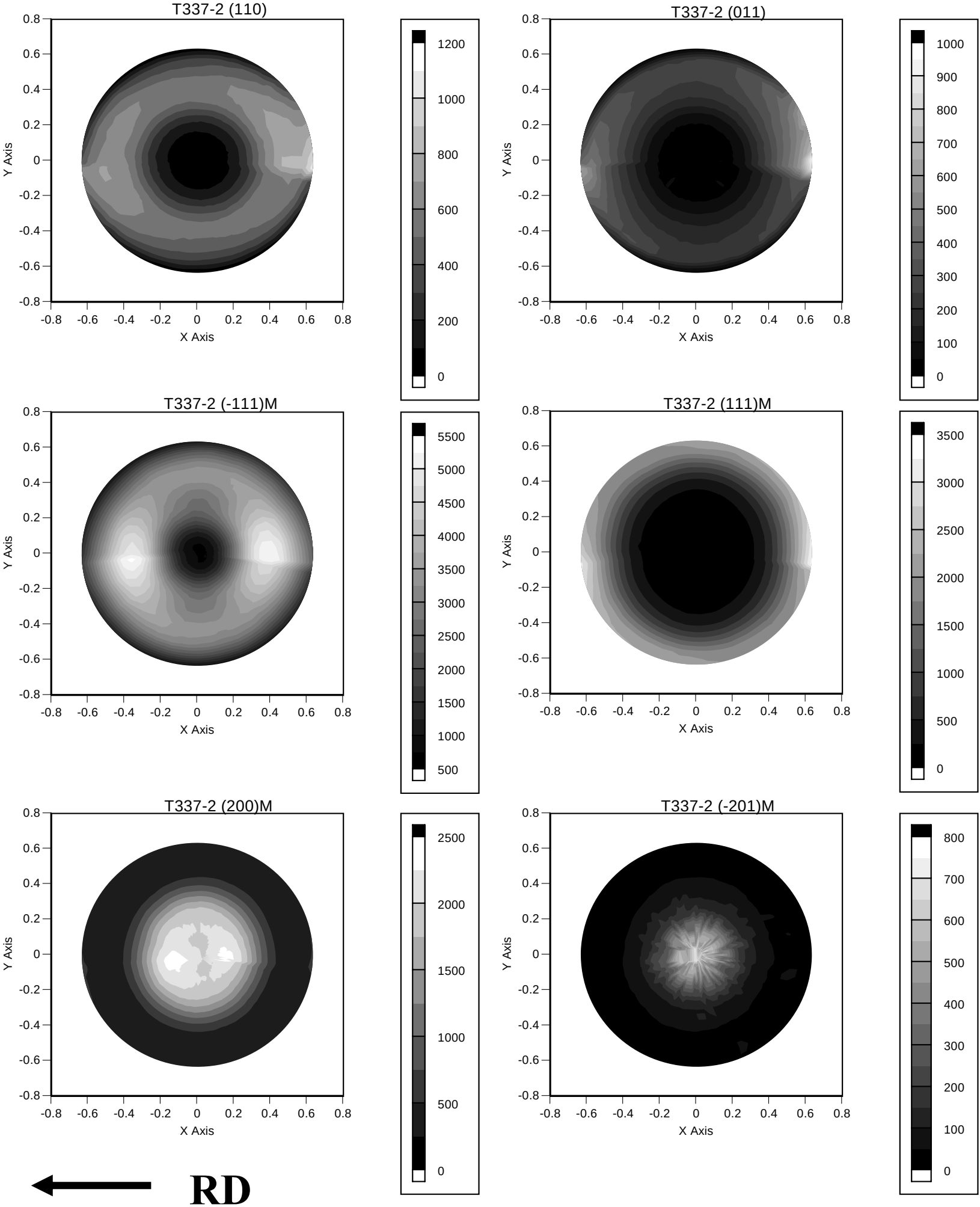
T337-1: θ=3 (gic), 360°C Water, 257dd, 6.56 µm



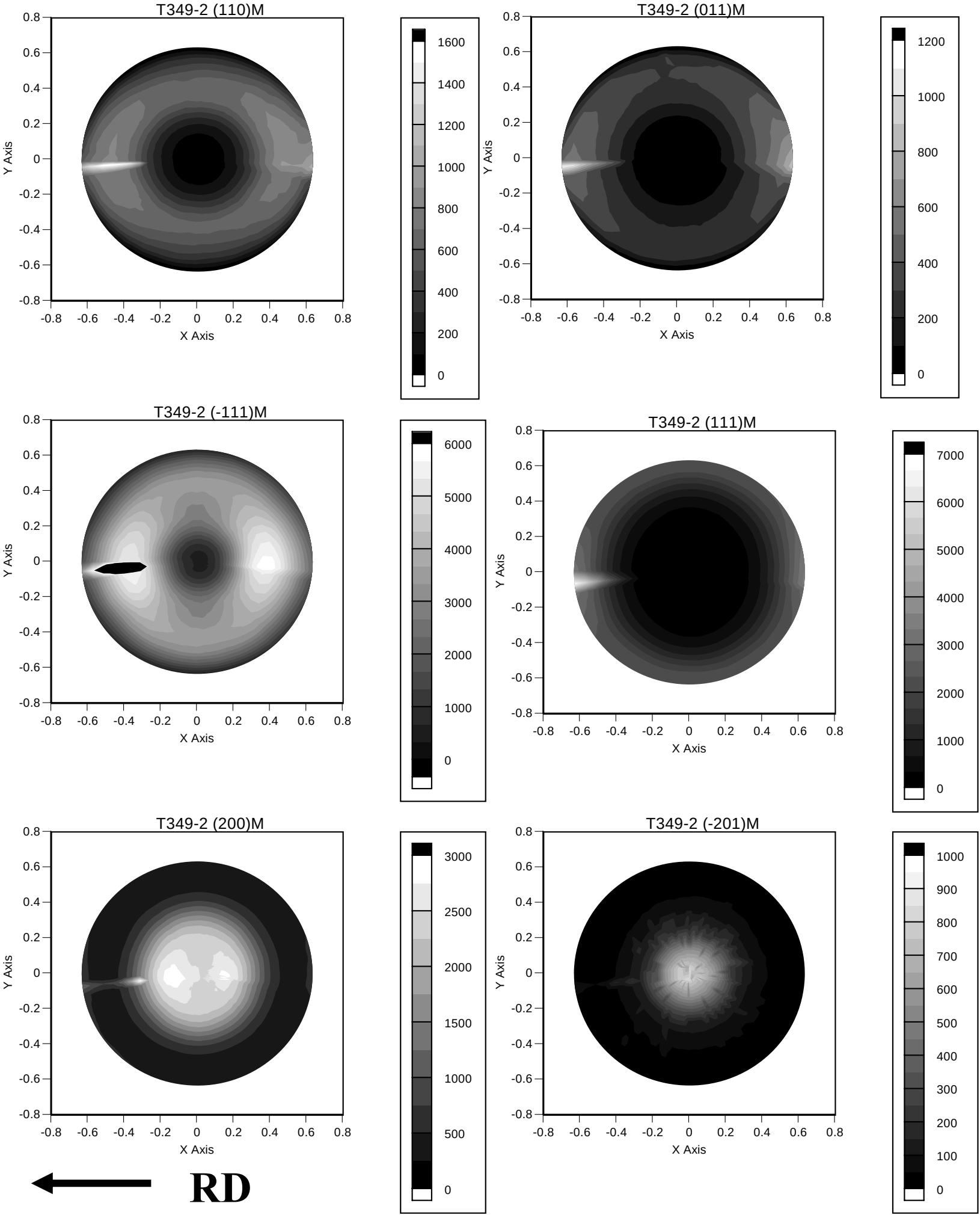
T337-1: 360°C Water, ZIRLO, 6.56 µm



T337-2: θ=4, 360°C Water, ZIRLO, 13.1 µm

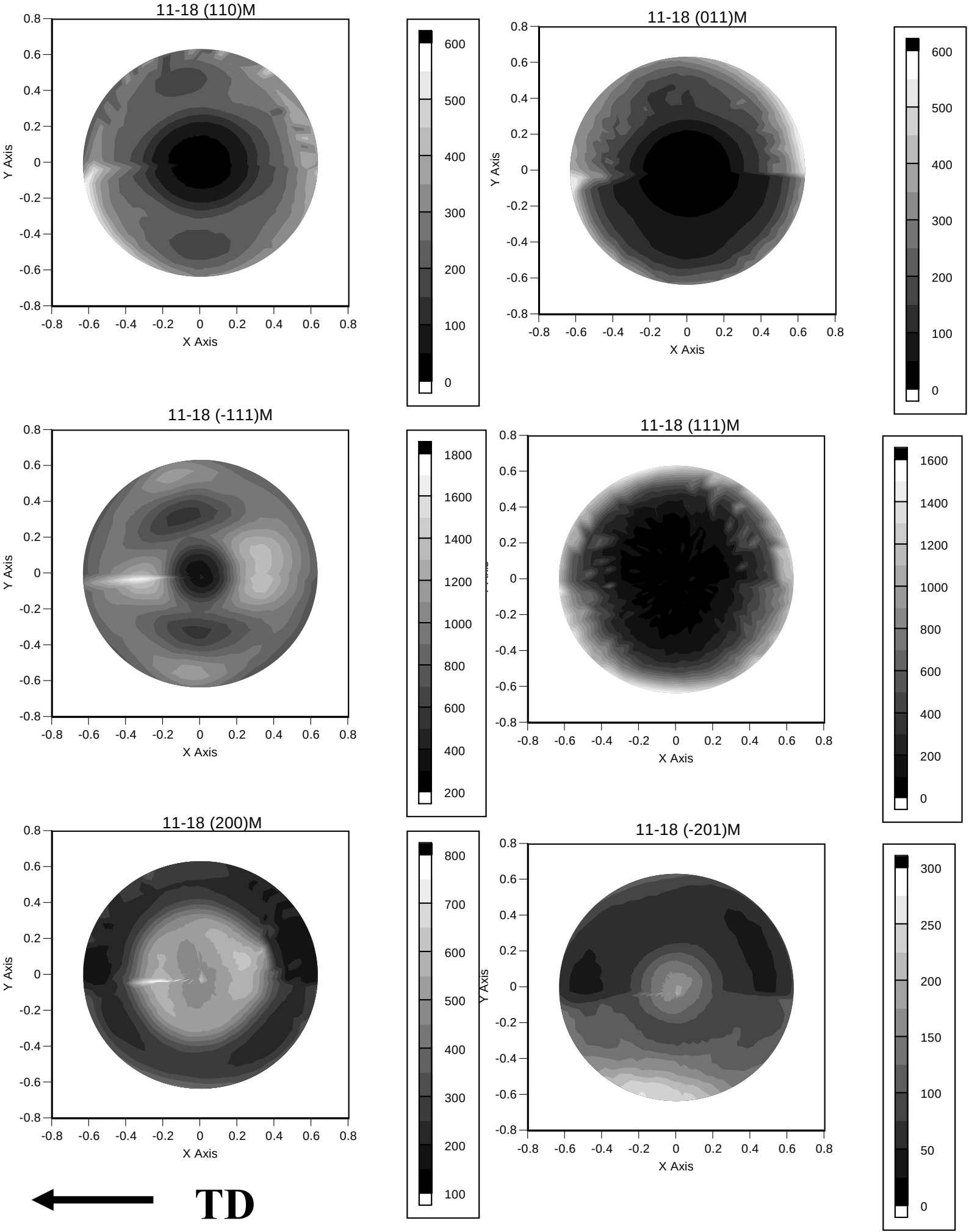


T349-2: θ=4, 360oC Water, ZIRLO, 16.4 µm

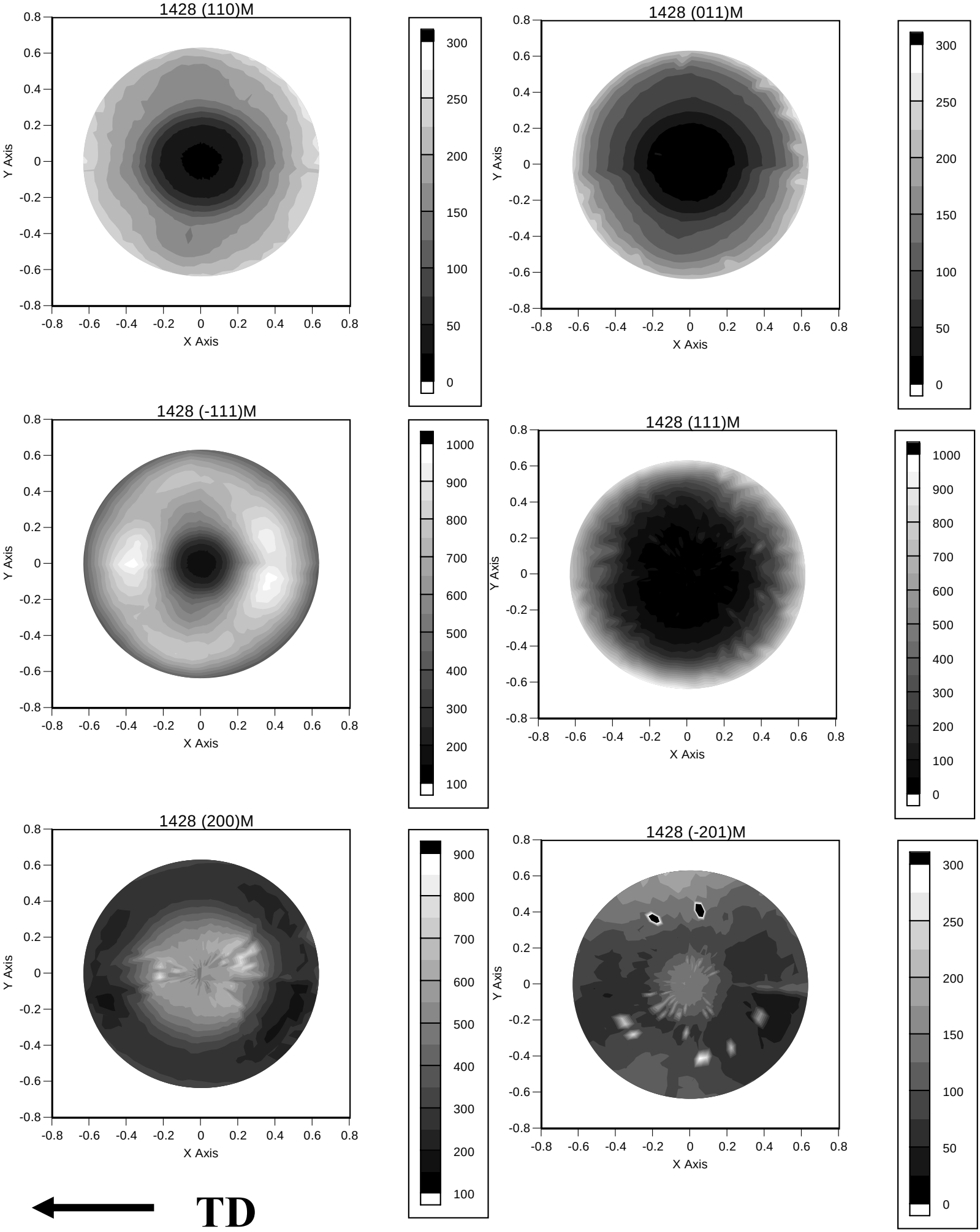


500°C Steam

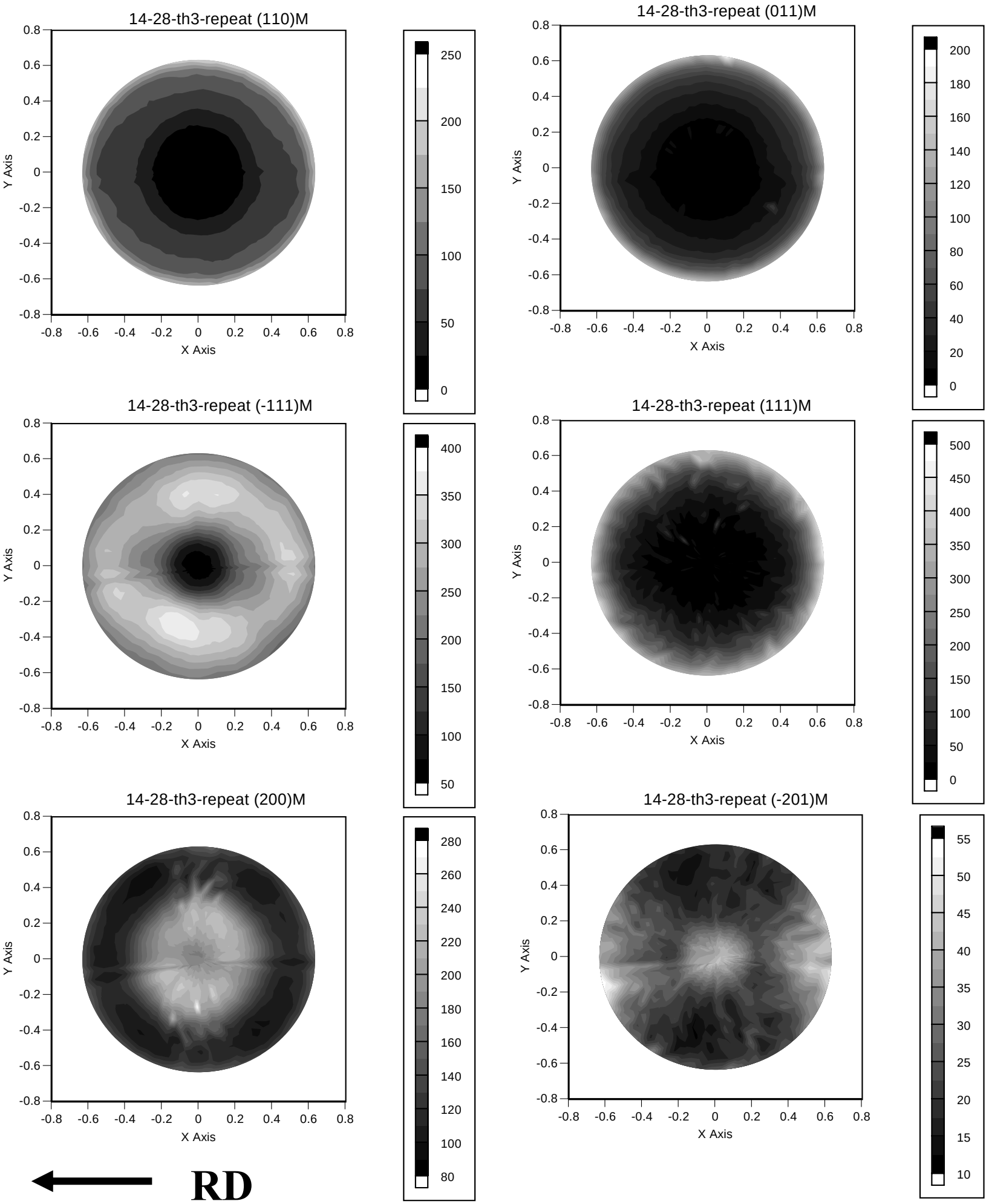
11-18: 500°C Steam, 3.9 µm



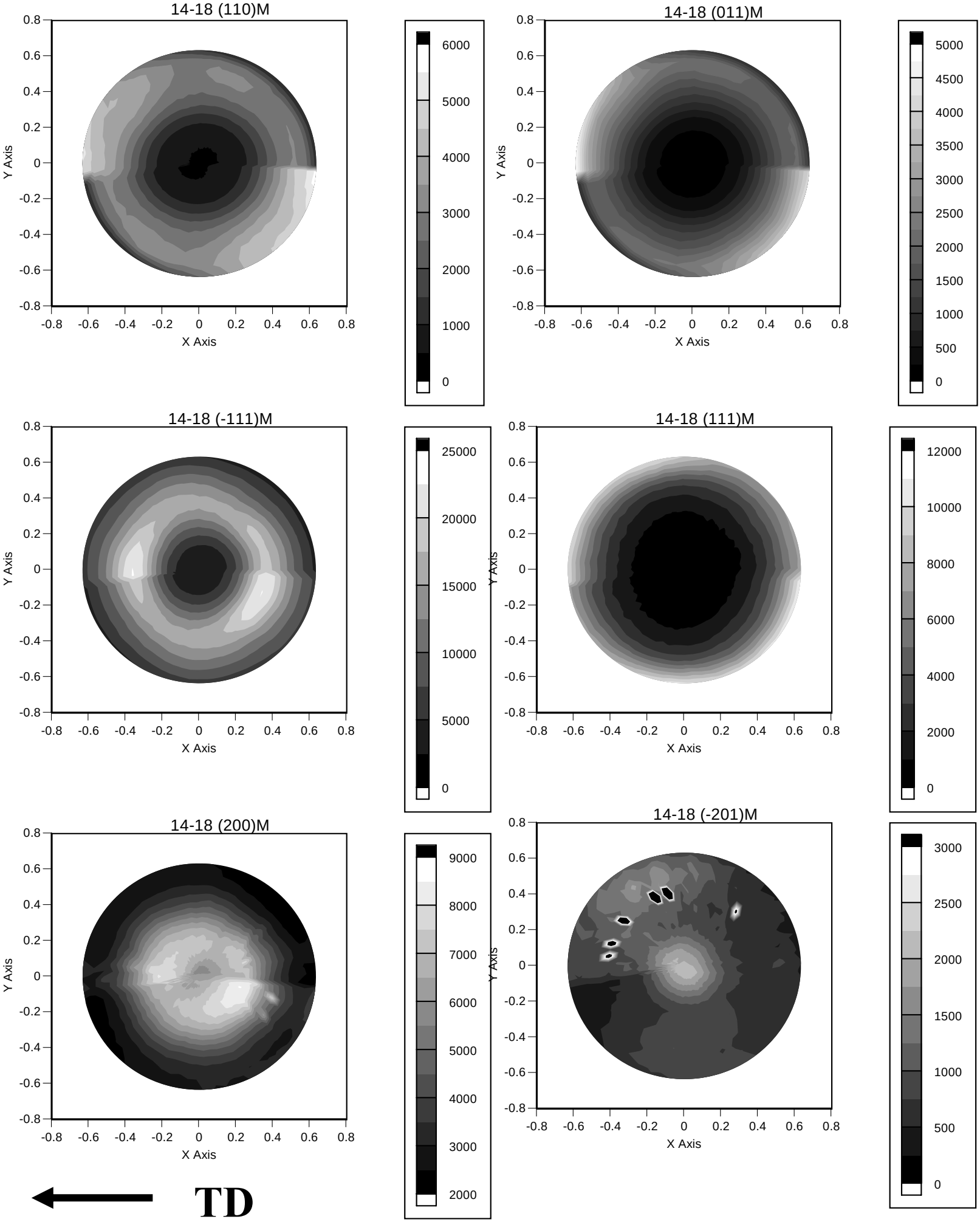
14-28: 500°C Steam, 3.33 µm



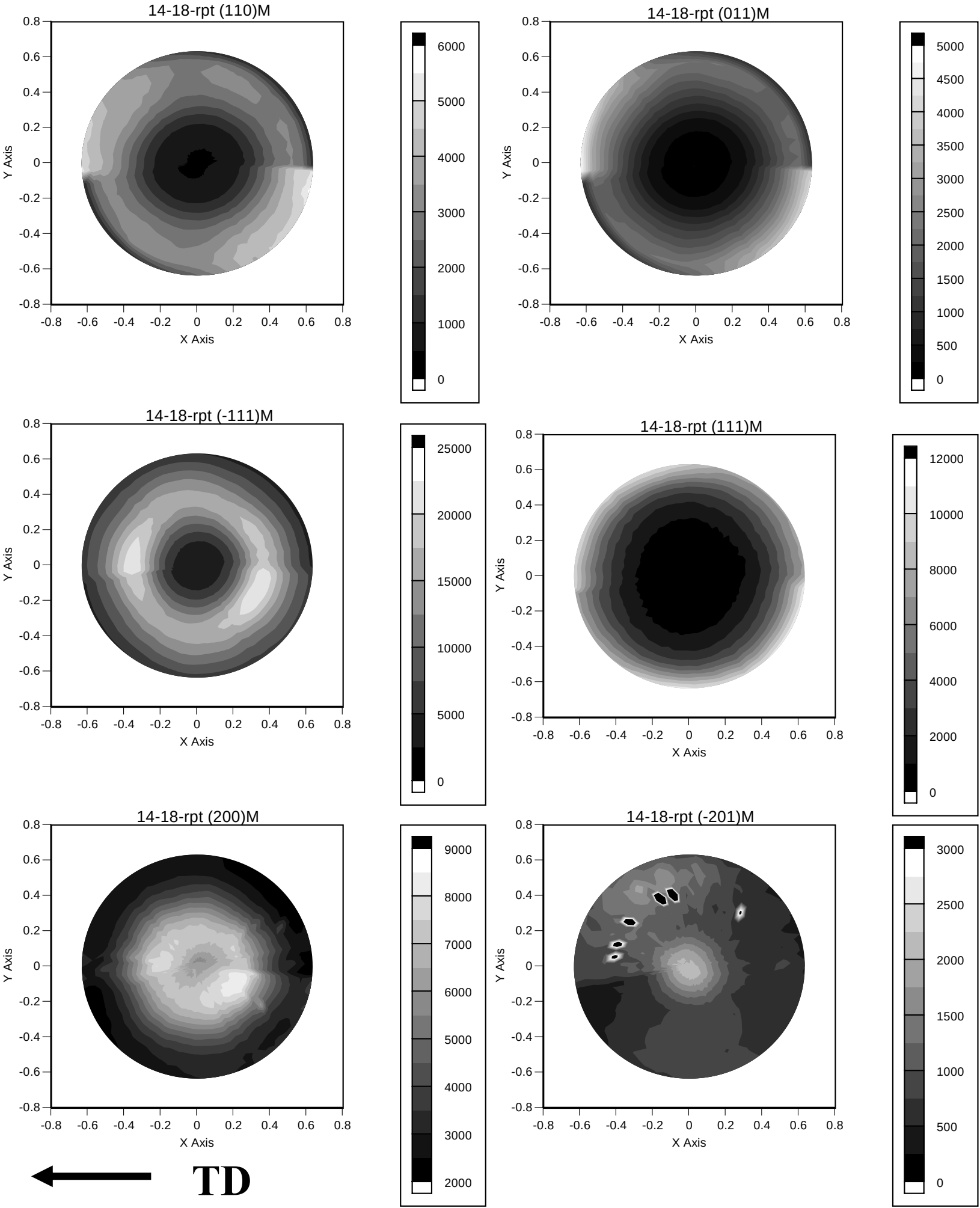
14-28: θ=3, 500°C Steam, 3.3 µm



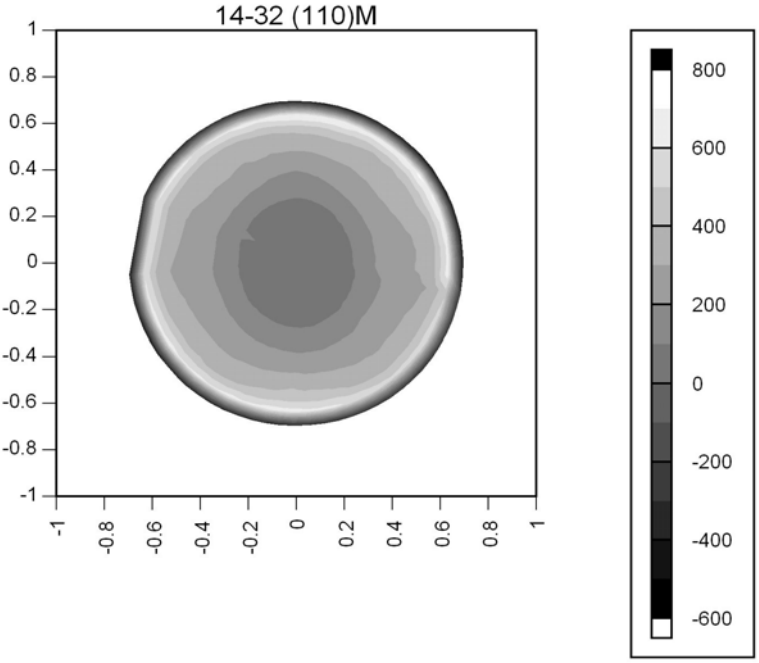
14-18: 500°C Steam, spall

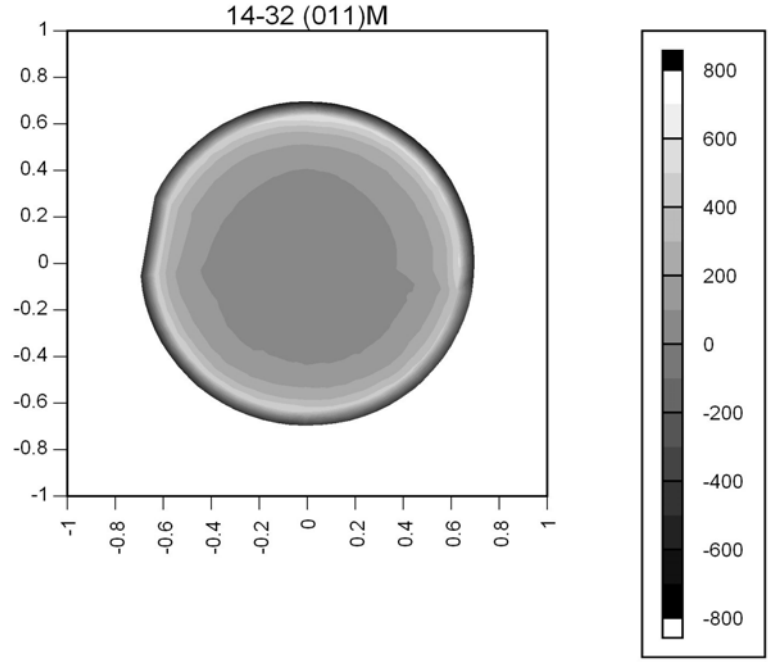


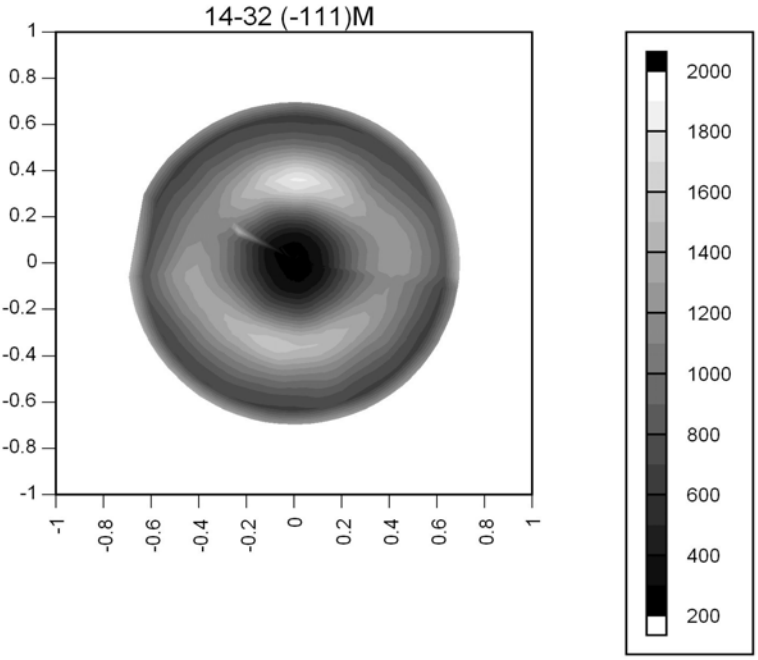
14-18: repeat, 500°C Steam, spall

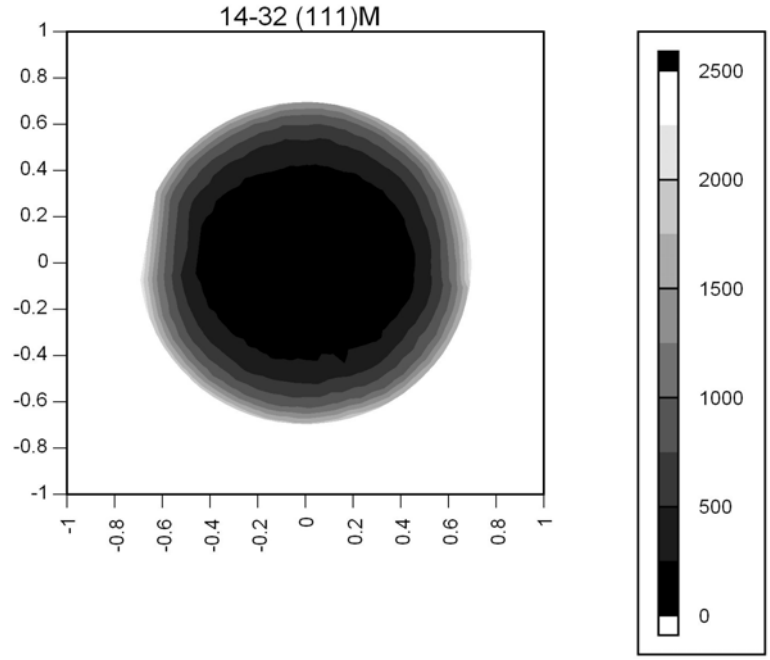


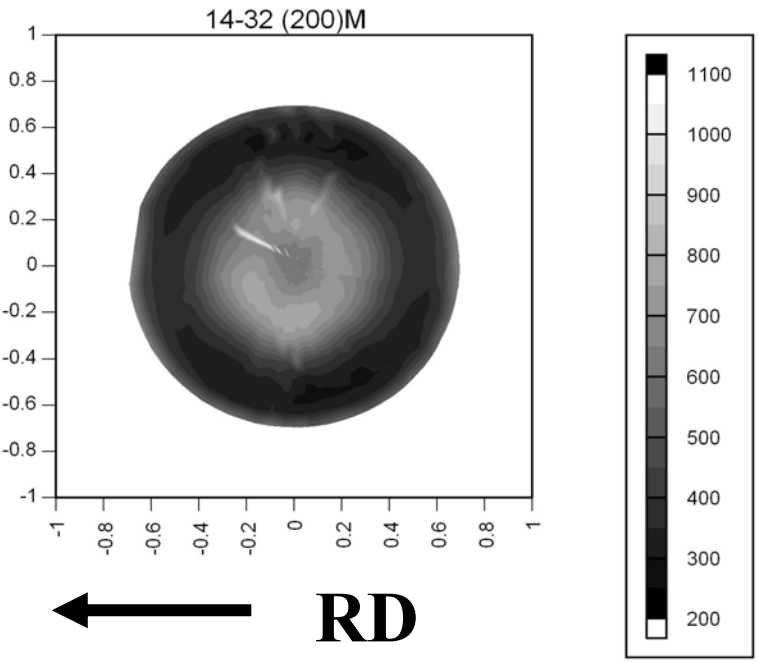
14-32: 44 dd, 500°C Steam, 7.33 µm

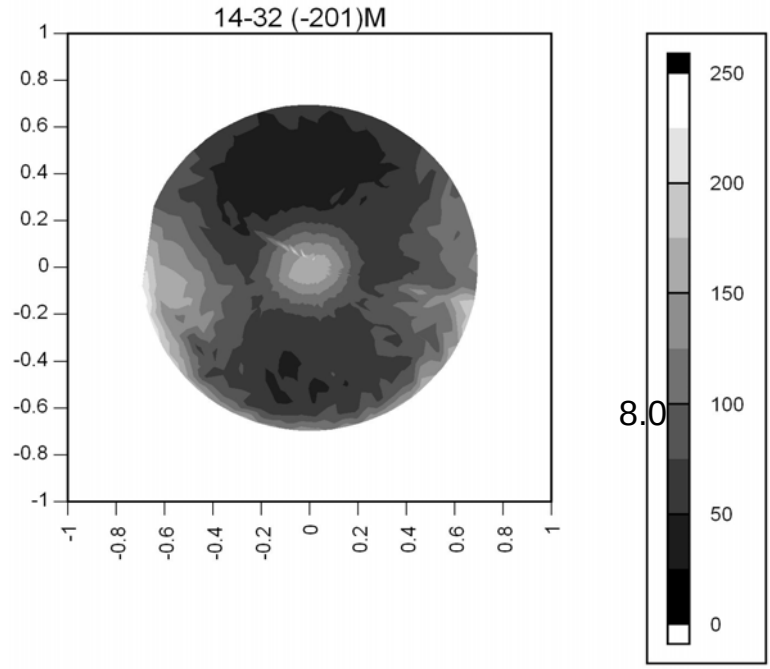








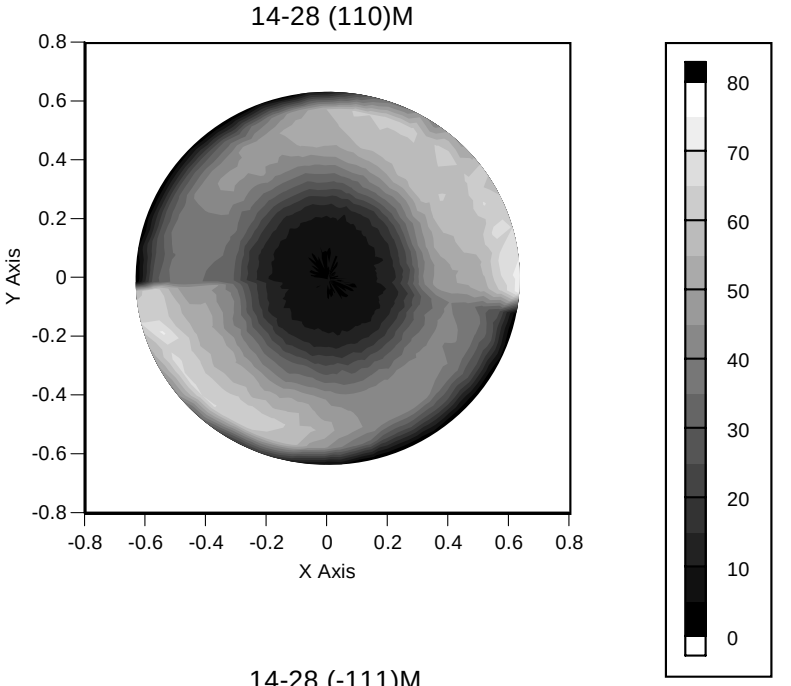


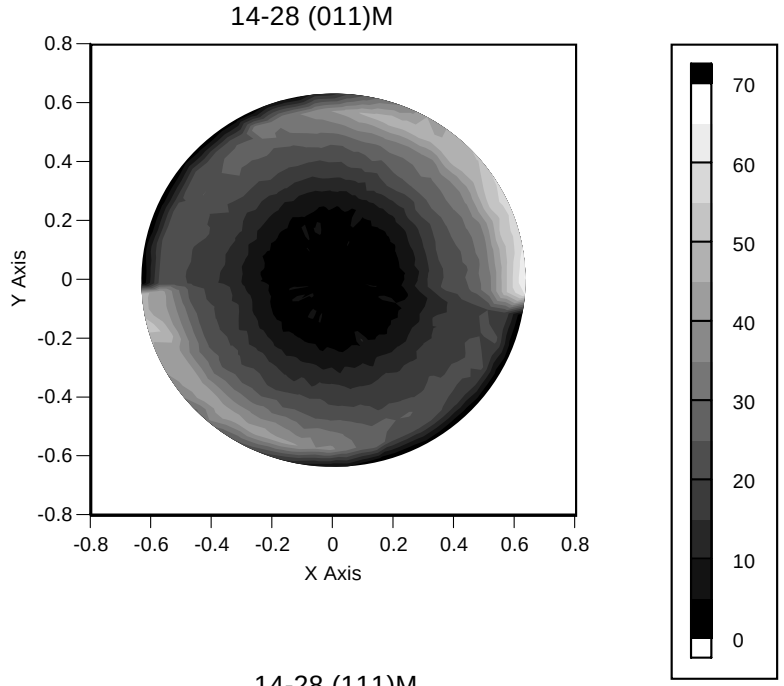


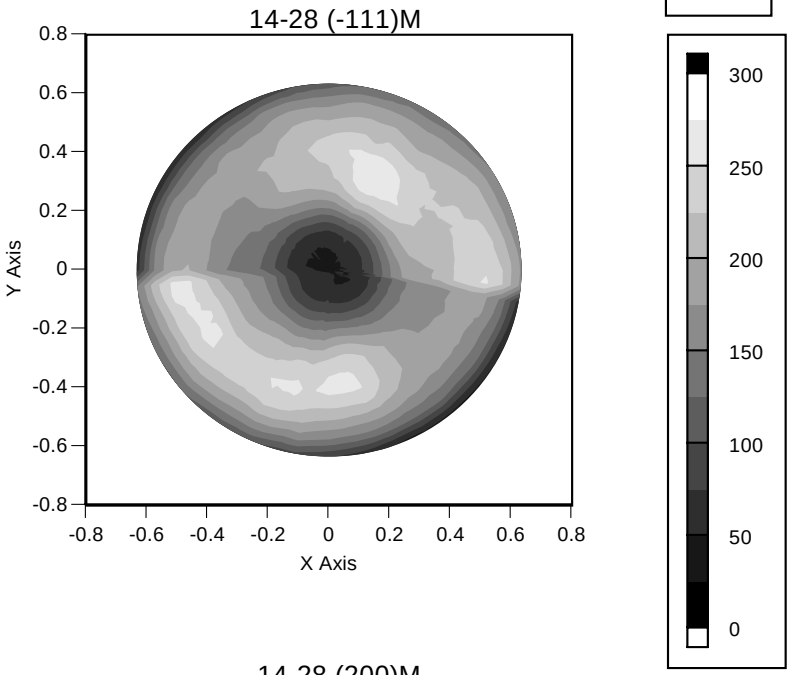
8.0

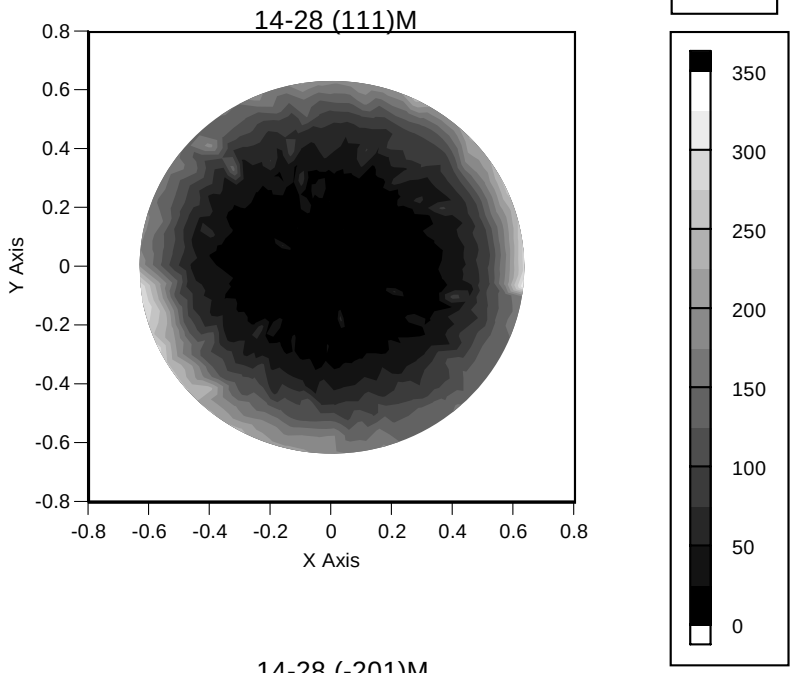
RD

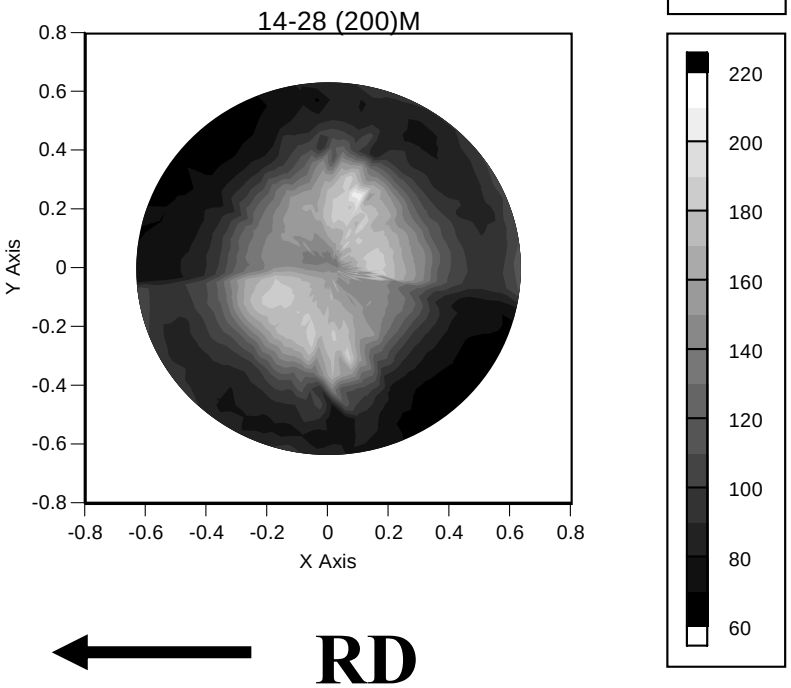
14-28: 500°C Steam, 3.3 µm

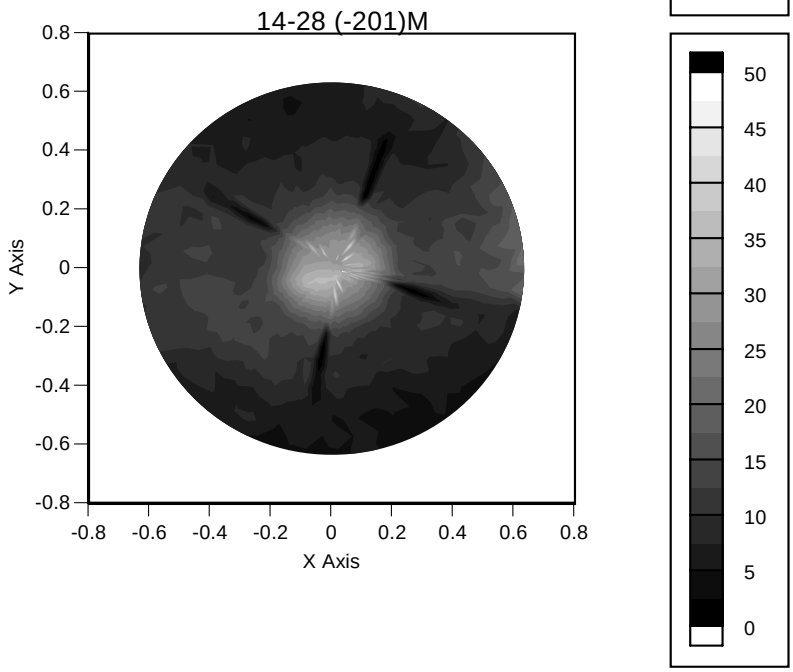






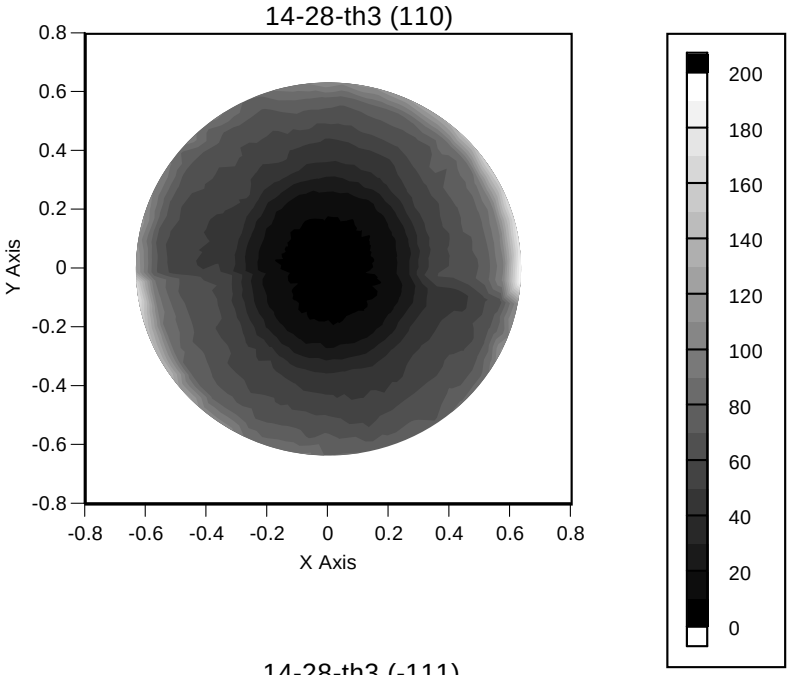


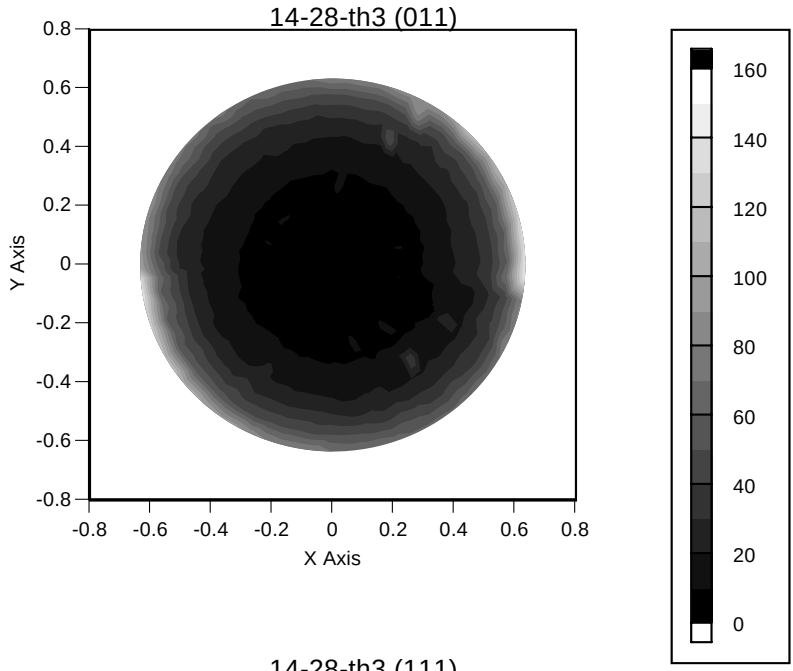


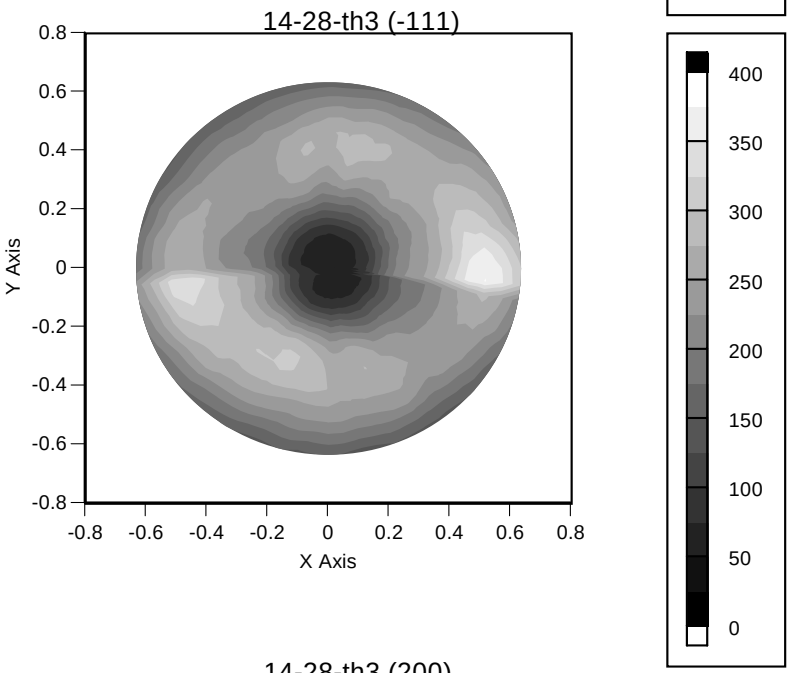


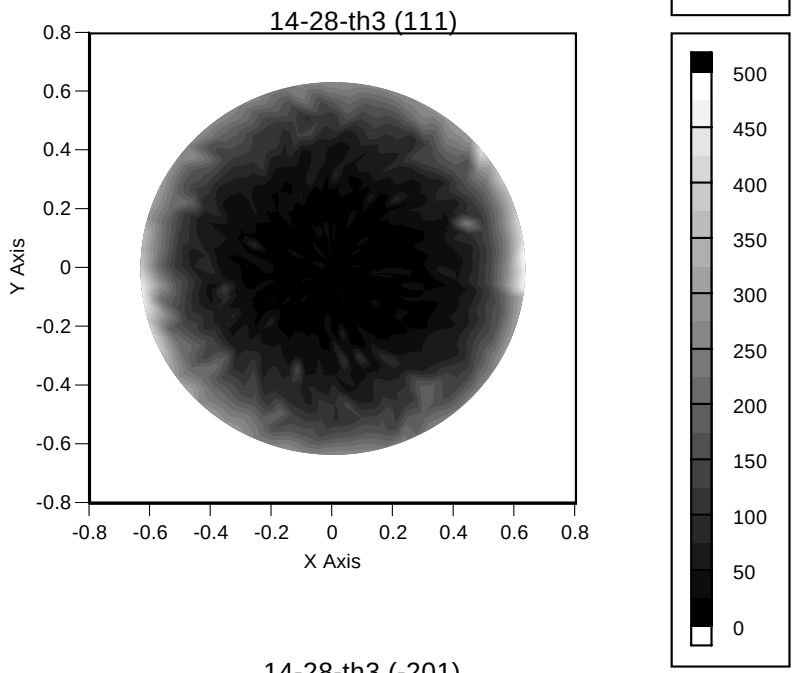
← RD

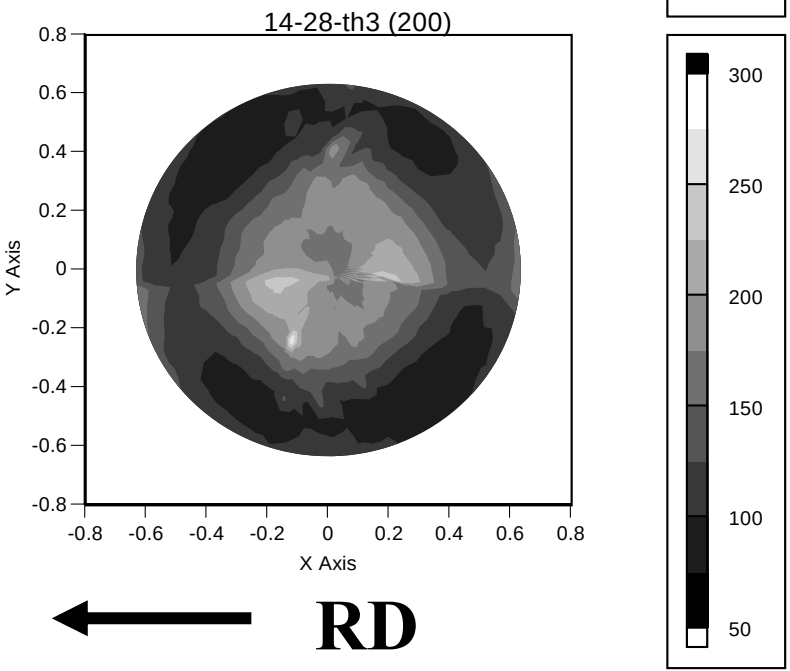
14-28: θ=3, 500°C Steam, 3.3 µm

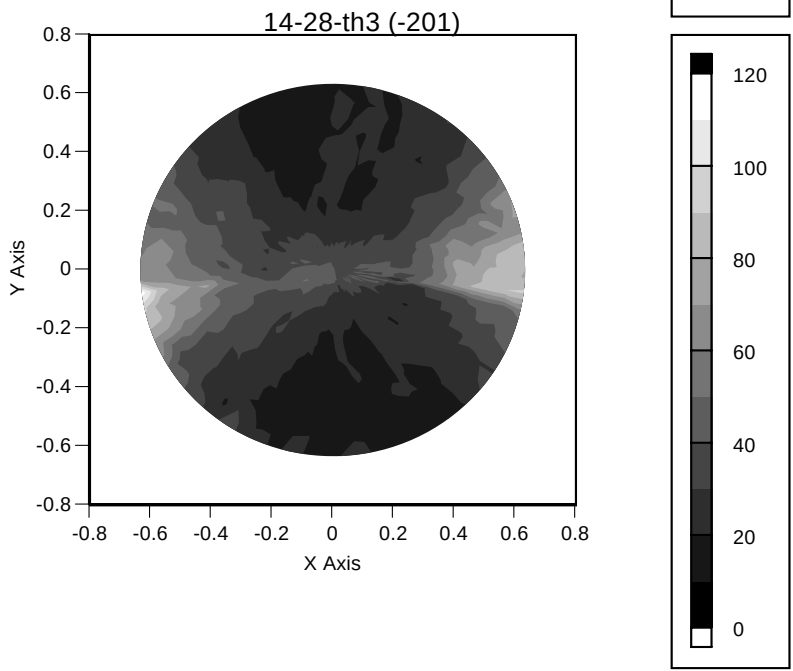






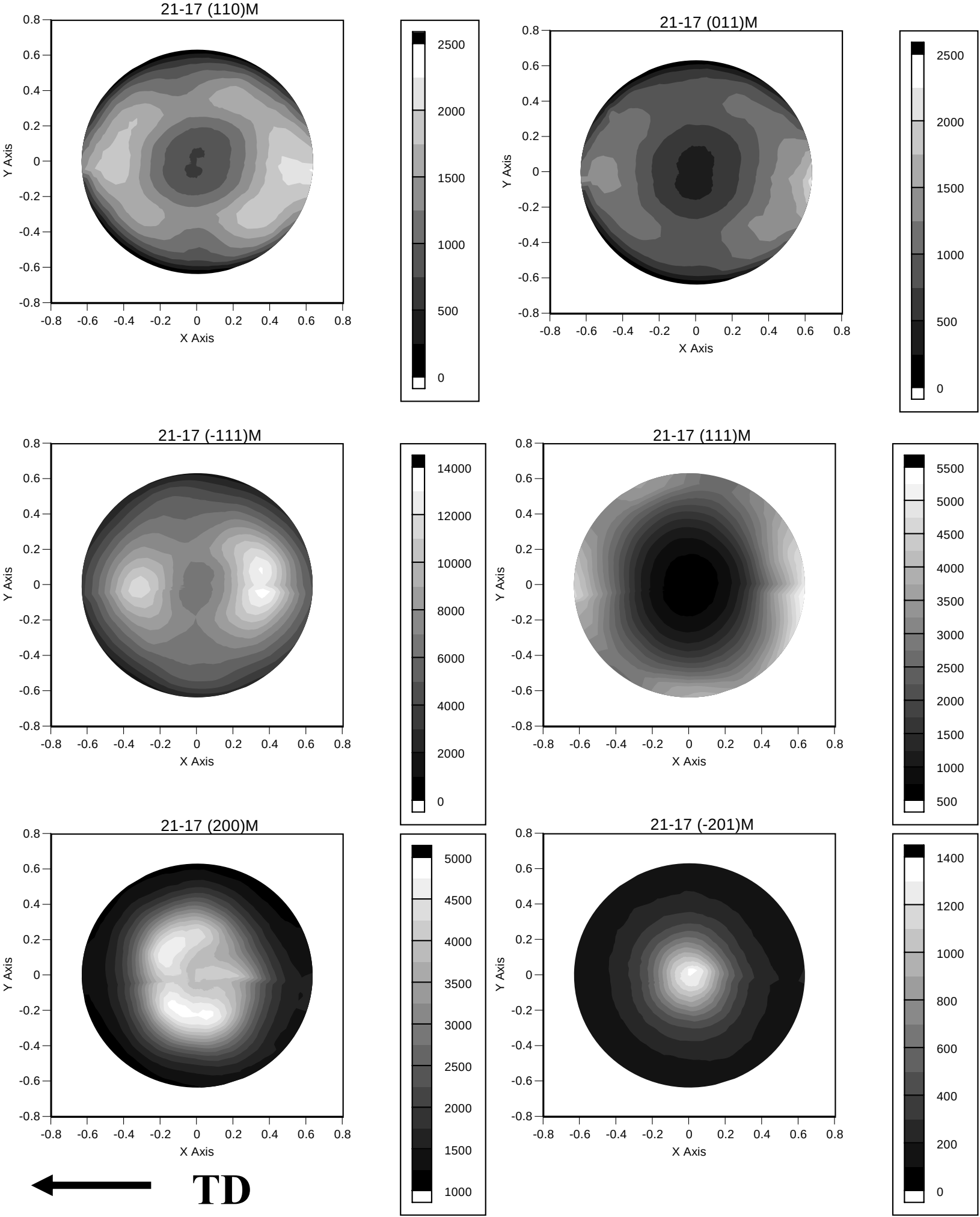




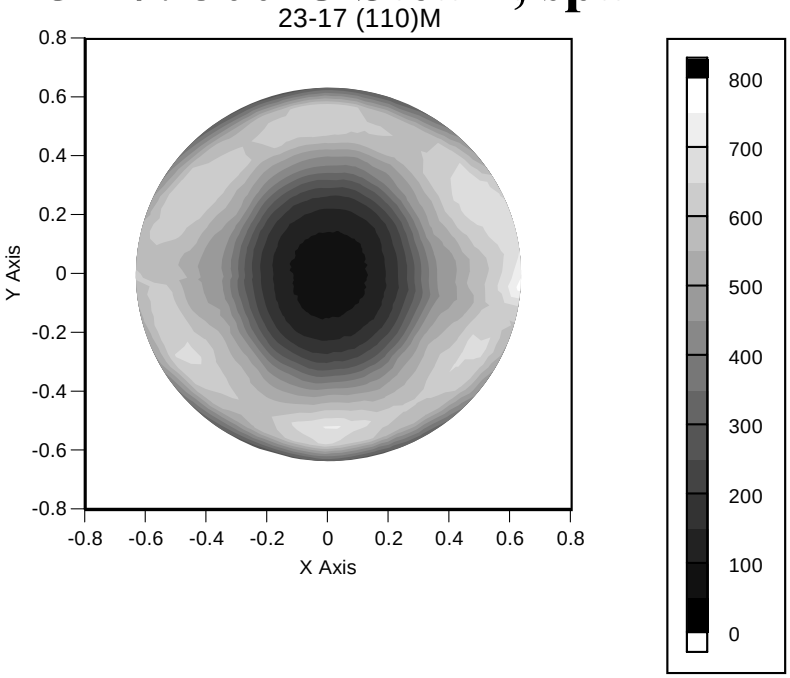


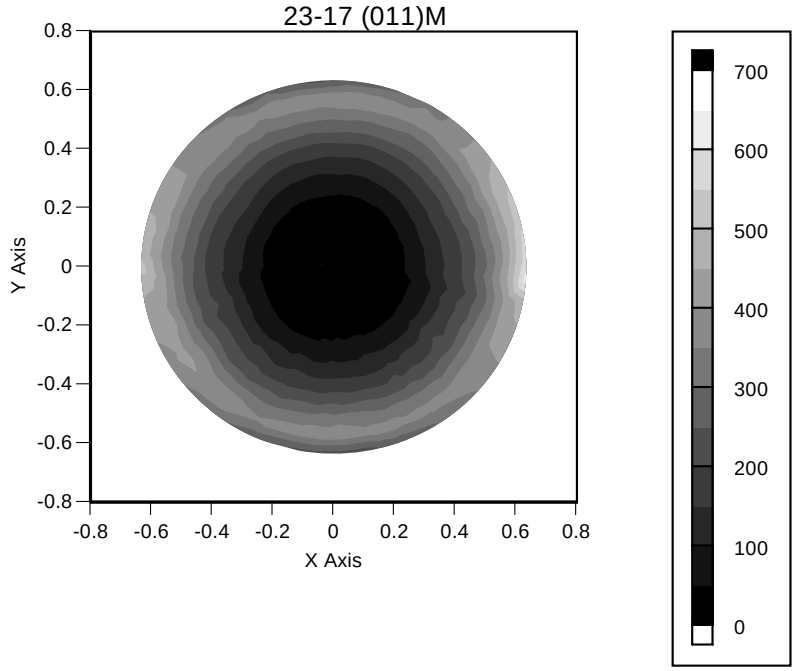
RD

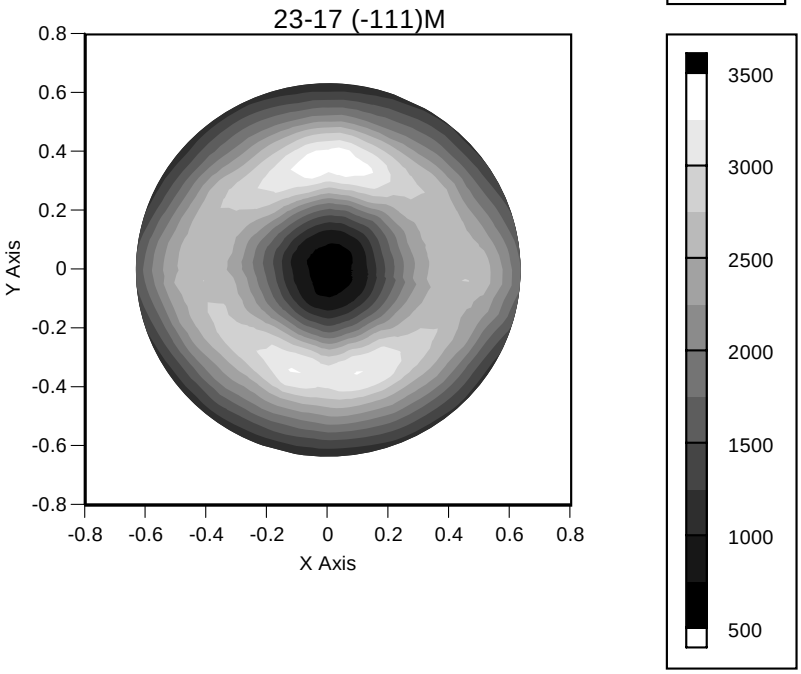
21-17: 500°C Steam, 56.9 µm

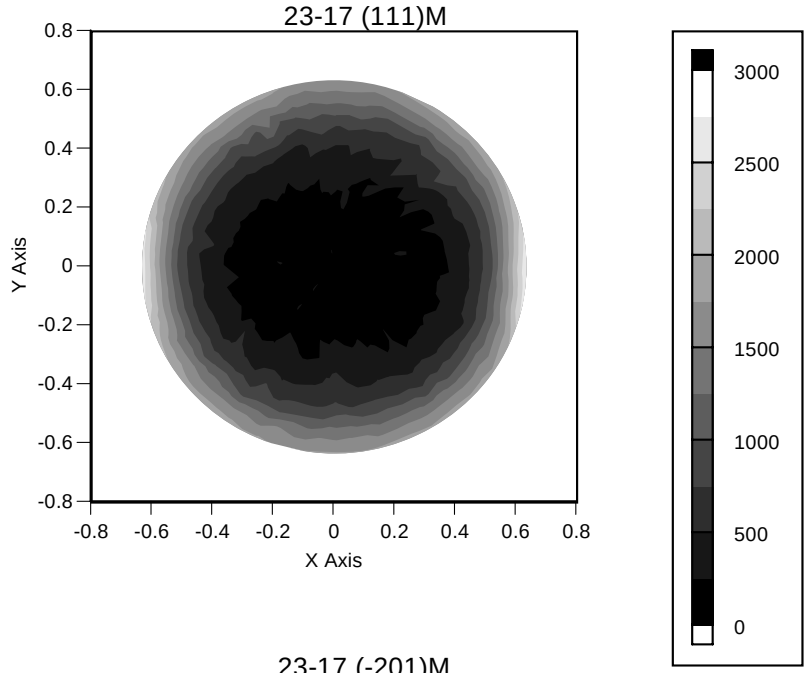


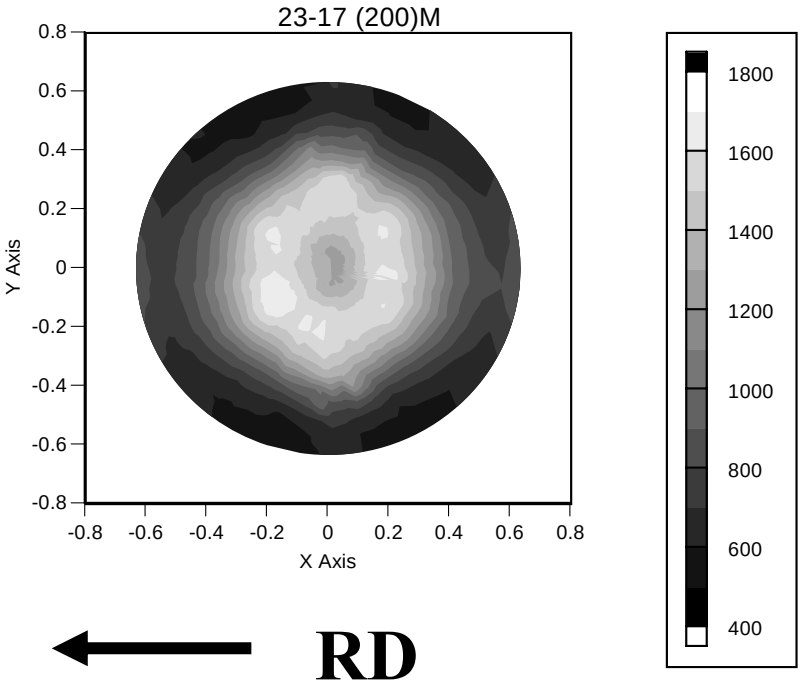
23-17: 500°C Steam, spall

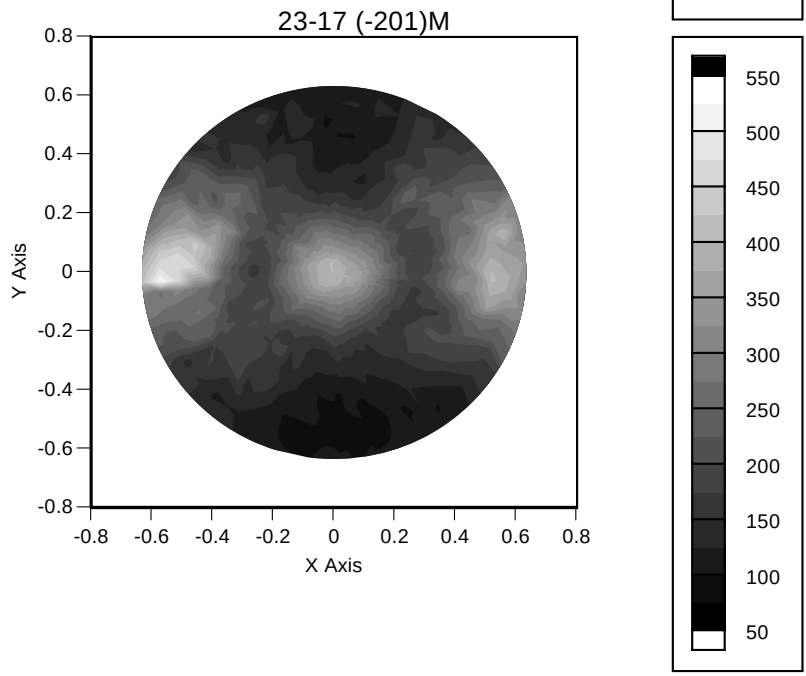






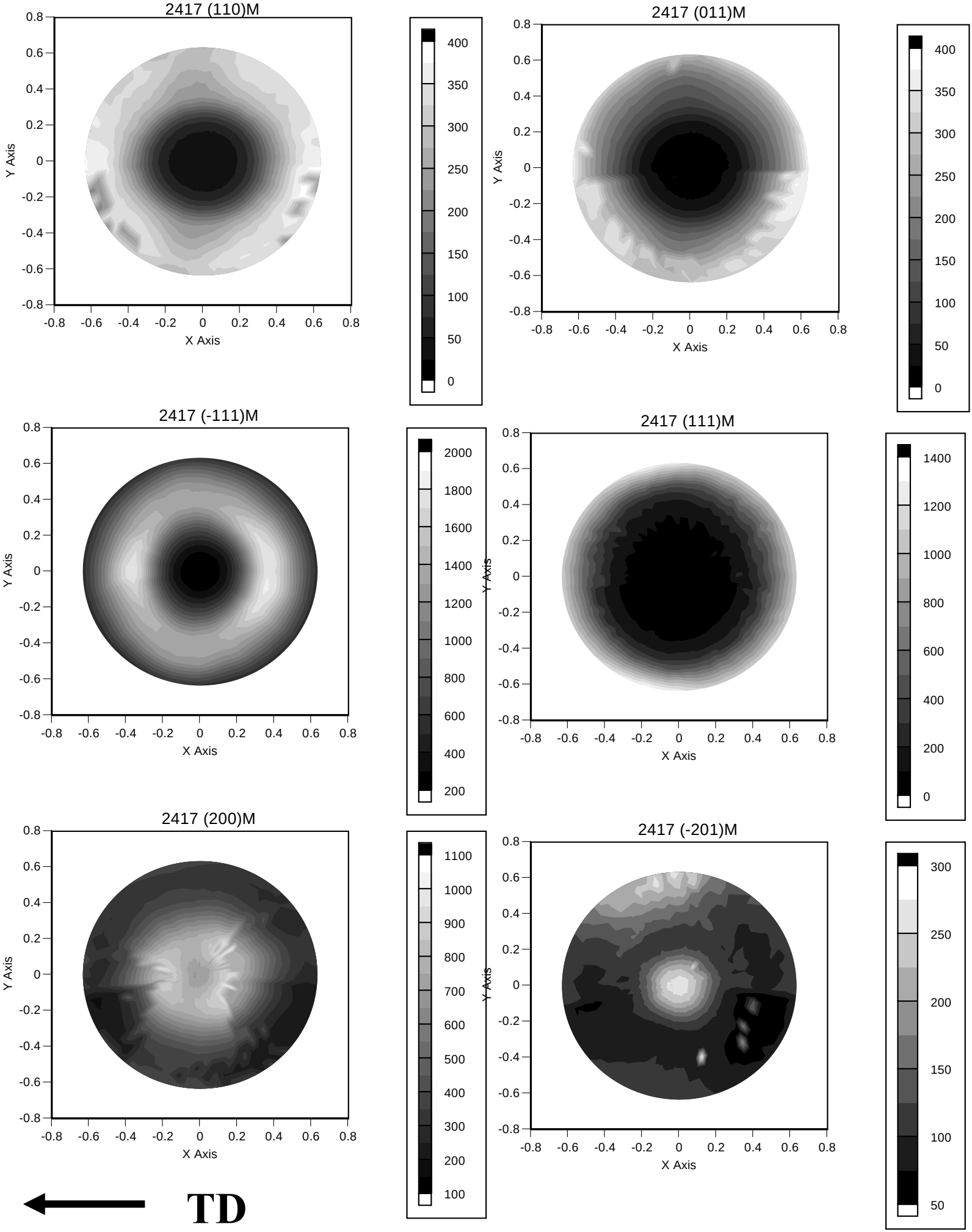




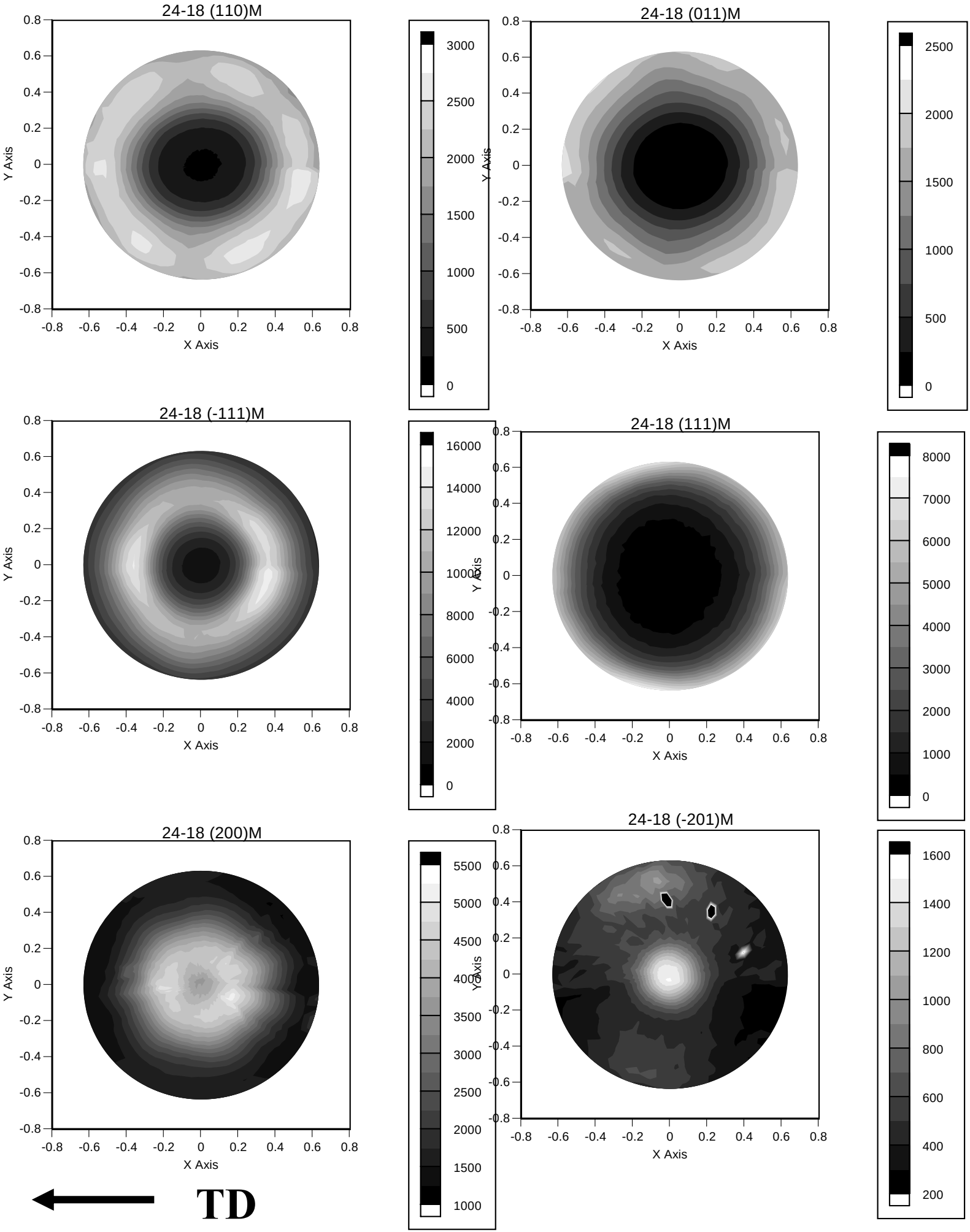


RD

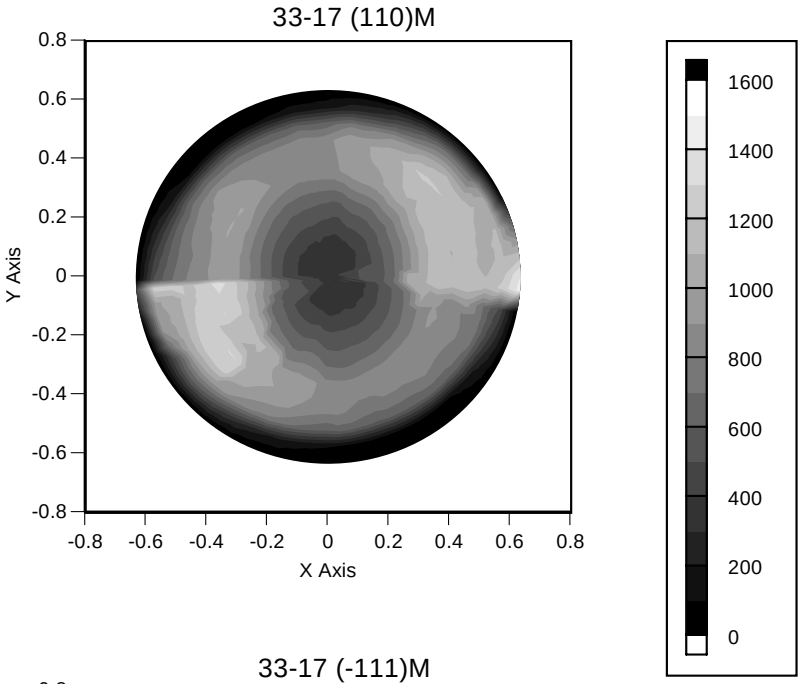
24-17: 500°C Steam, 5.04 µm

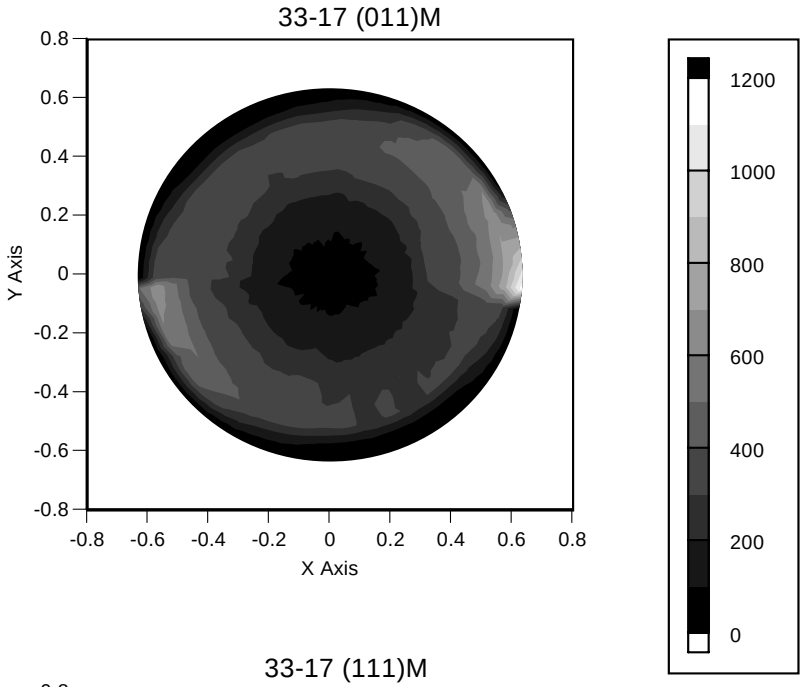


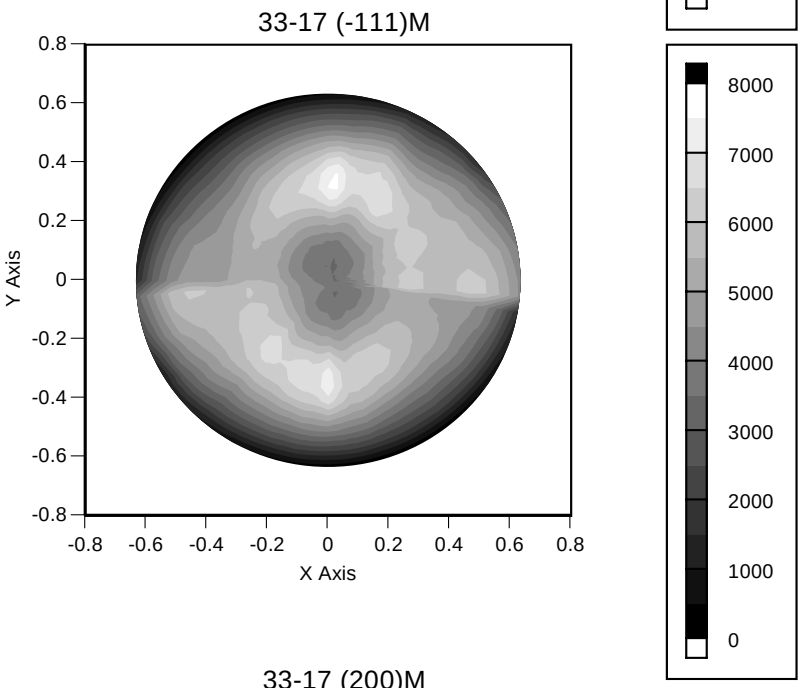
24-18: 500°C Steam, 13.3 µm

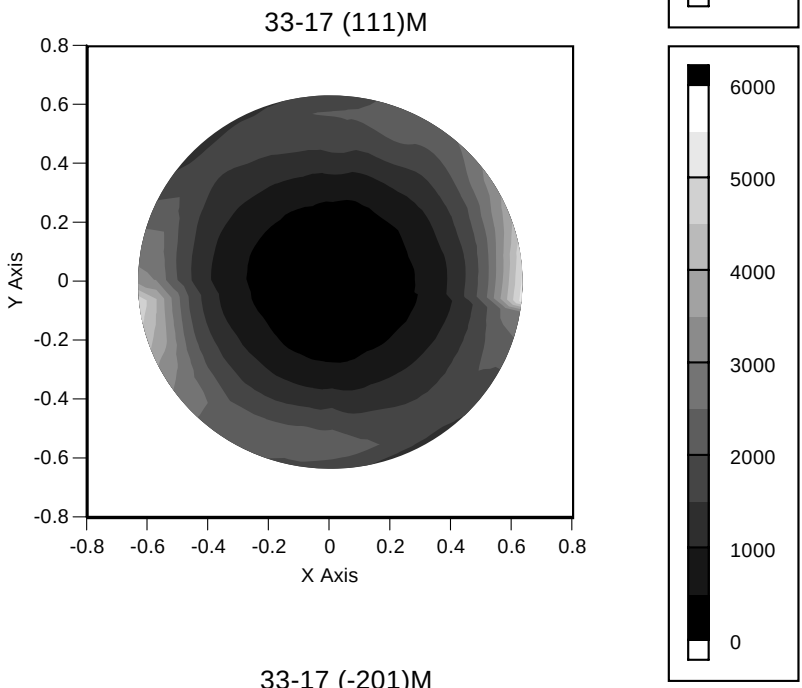


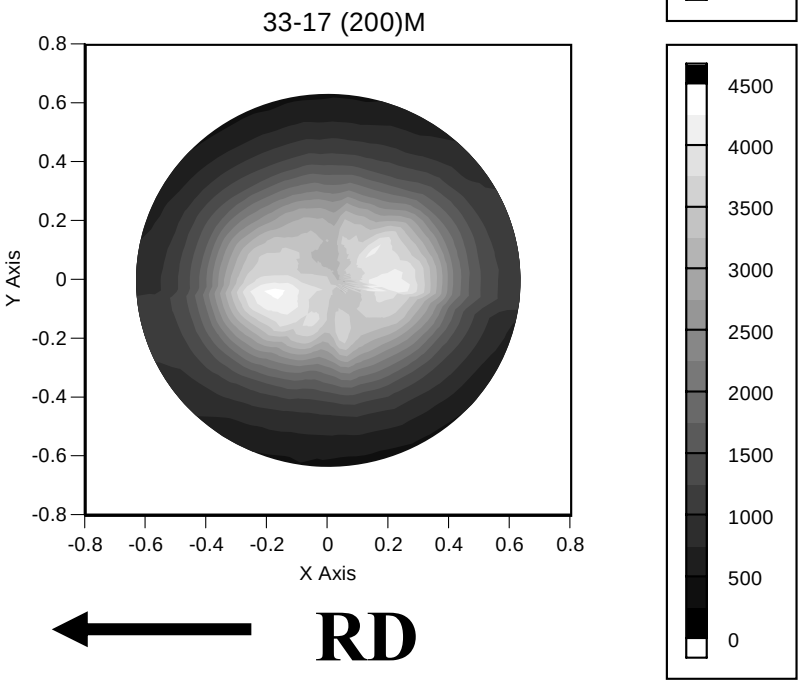
33-17: 500°C Steam, 32 µm

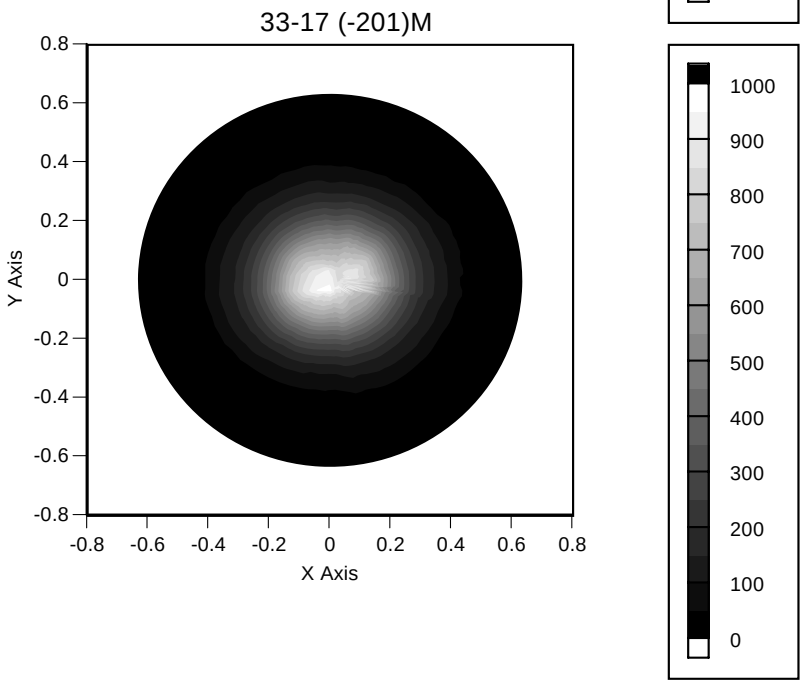






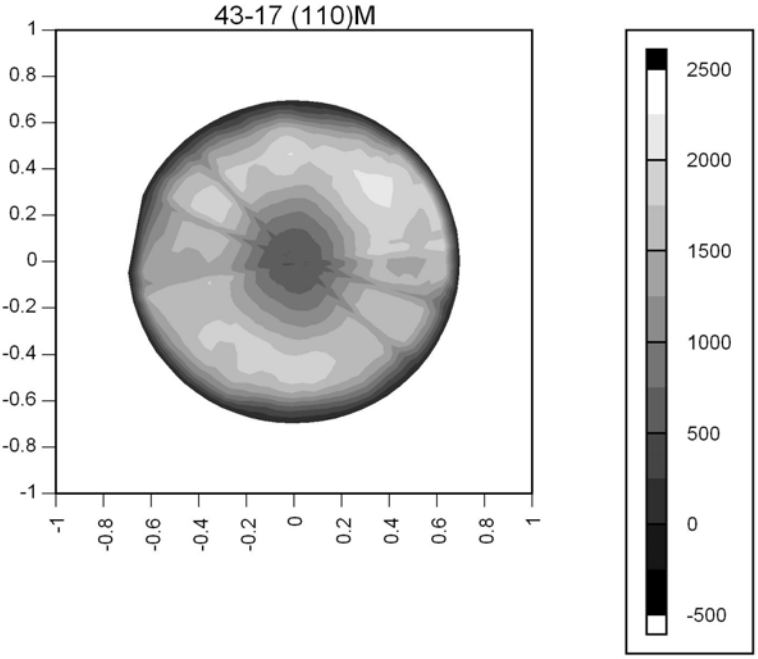


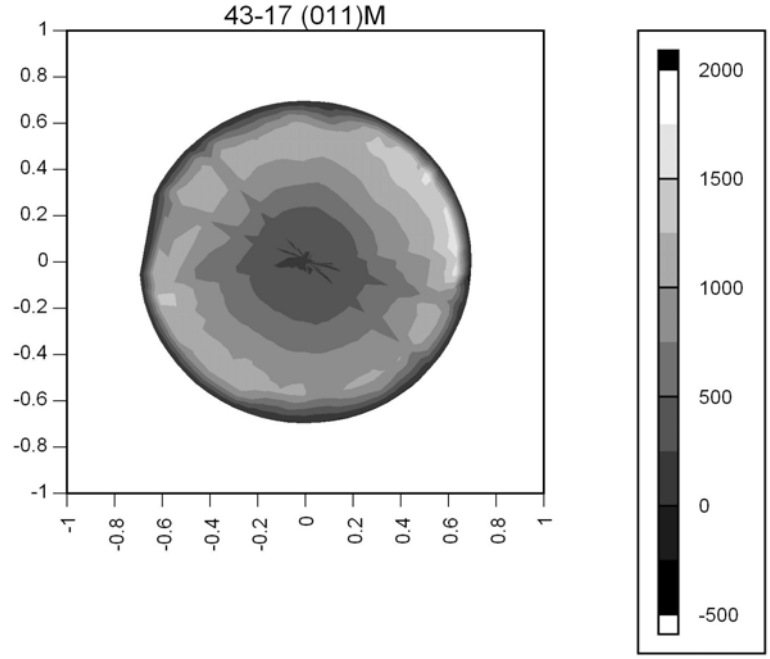


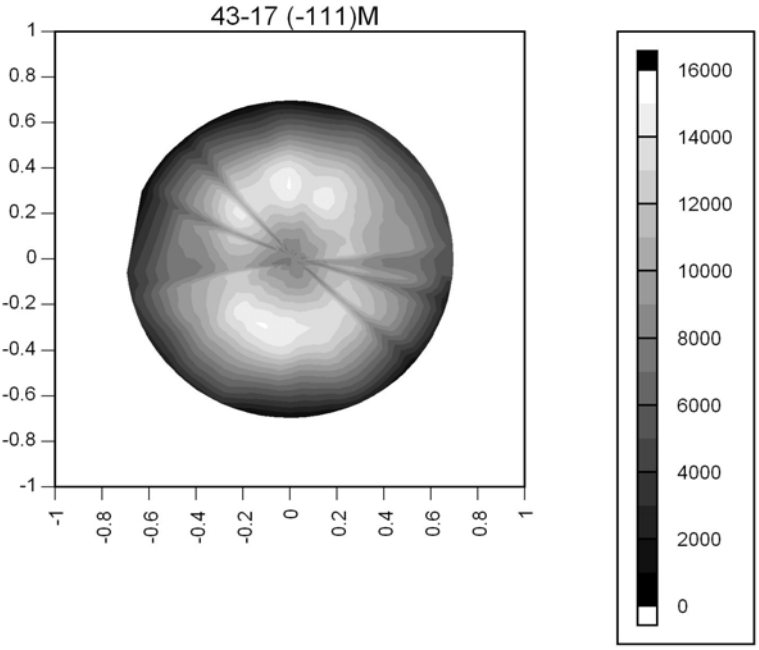


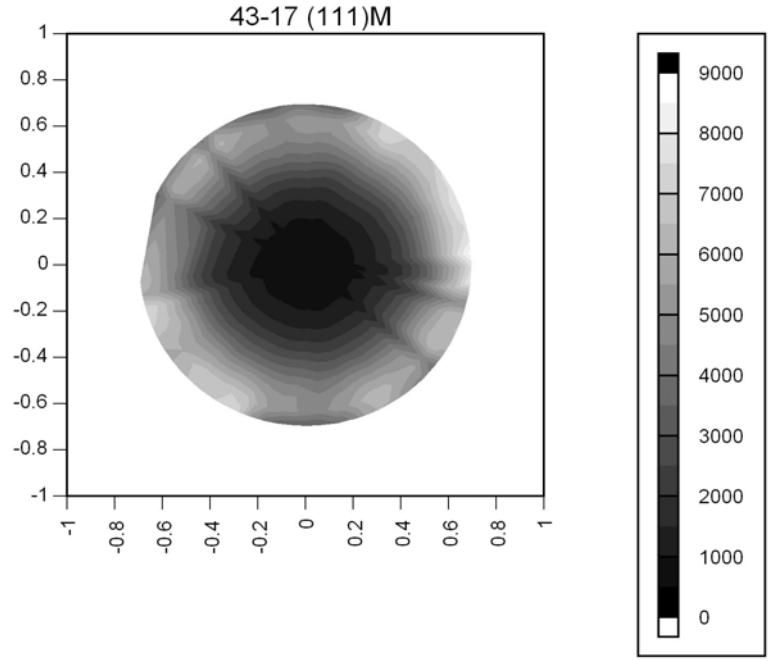
RD

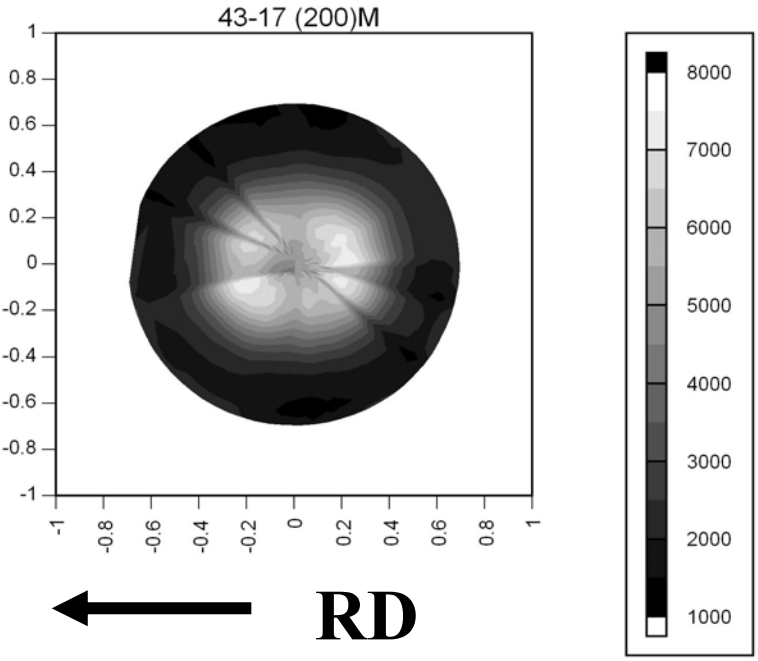
43-17: 500°C Steam, 0.5 dd, 46 µm

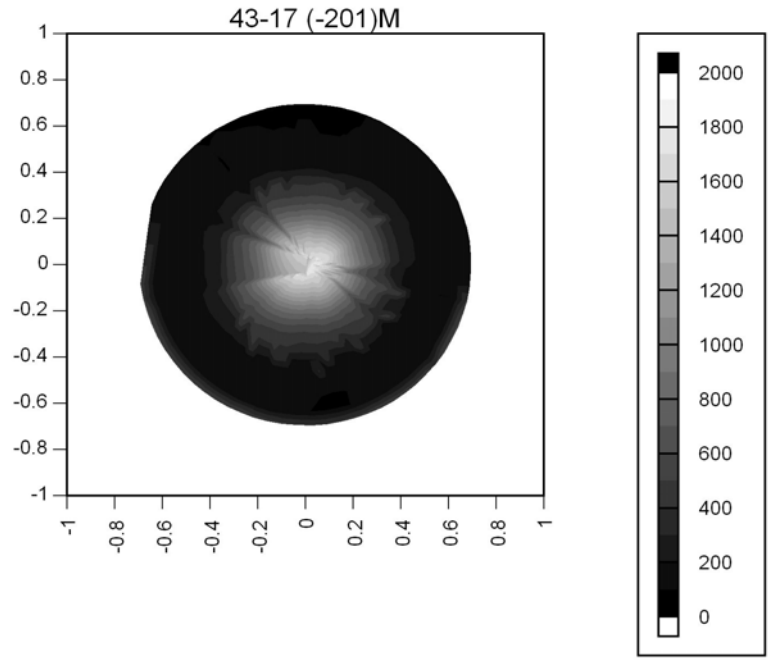






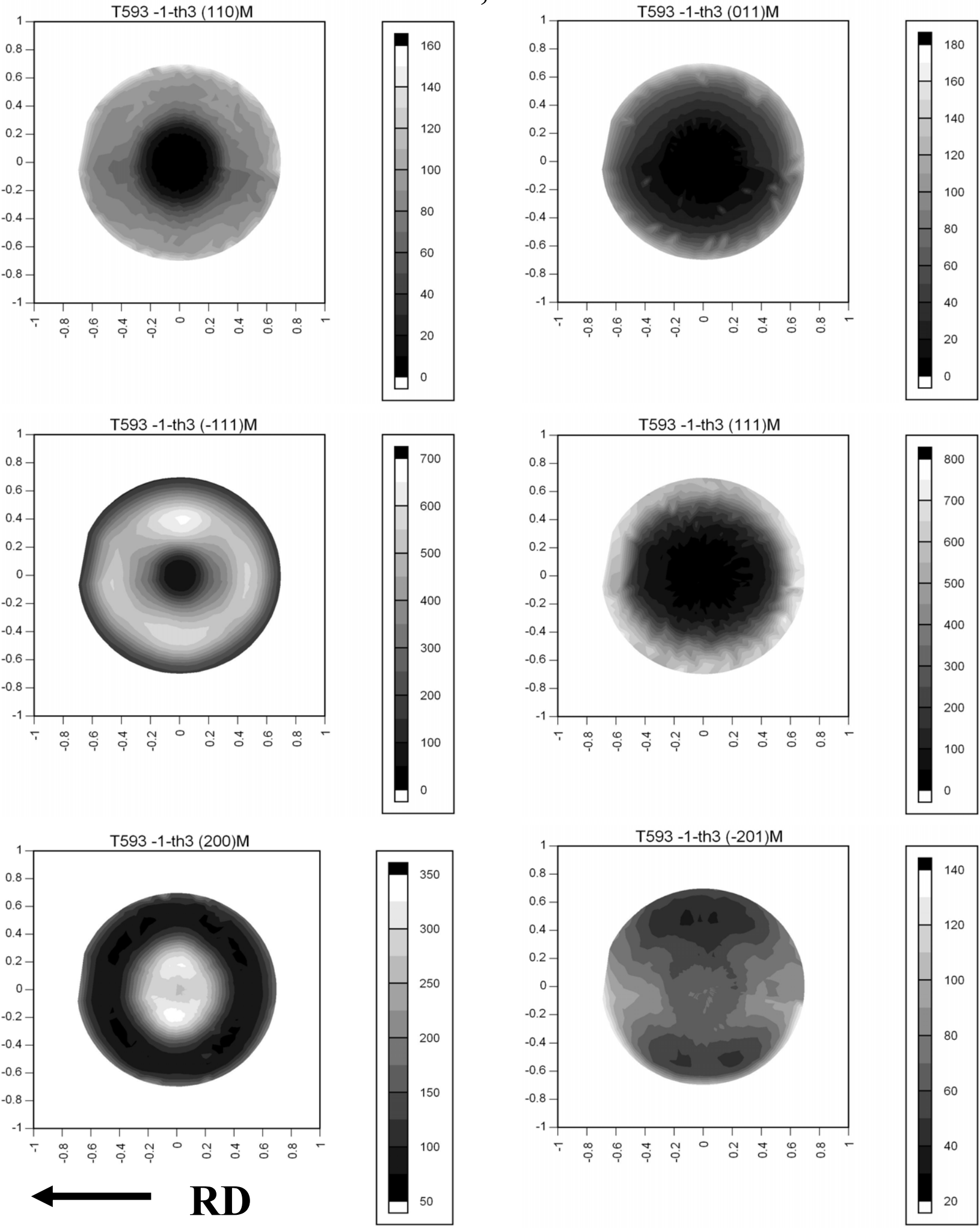






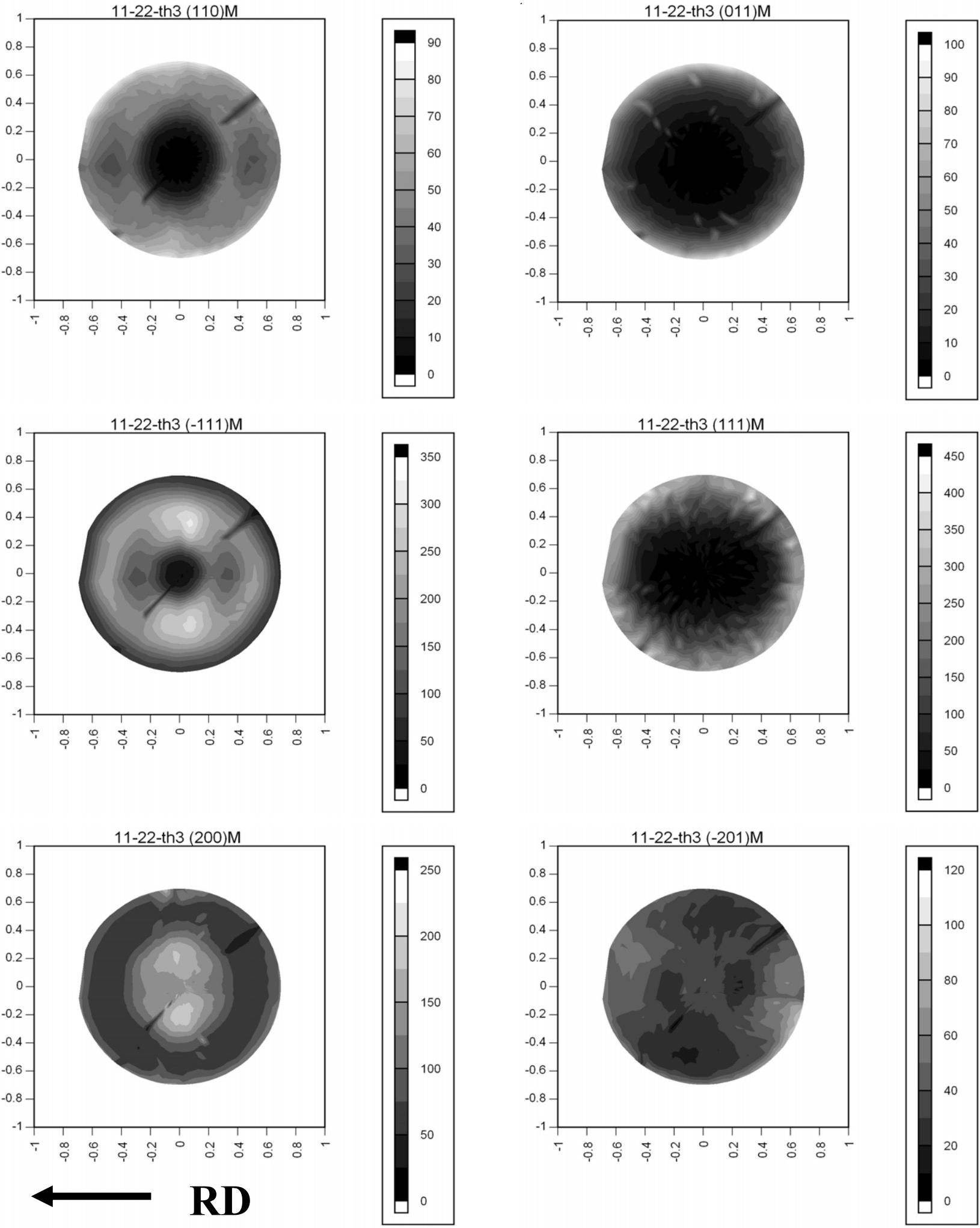
RD

T593-1: θ=3, 1dd, 500°C Steam, 2.48 µm

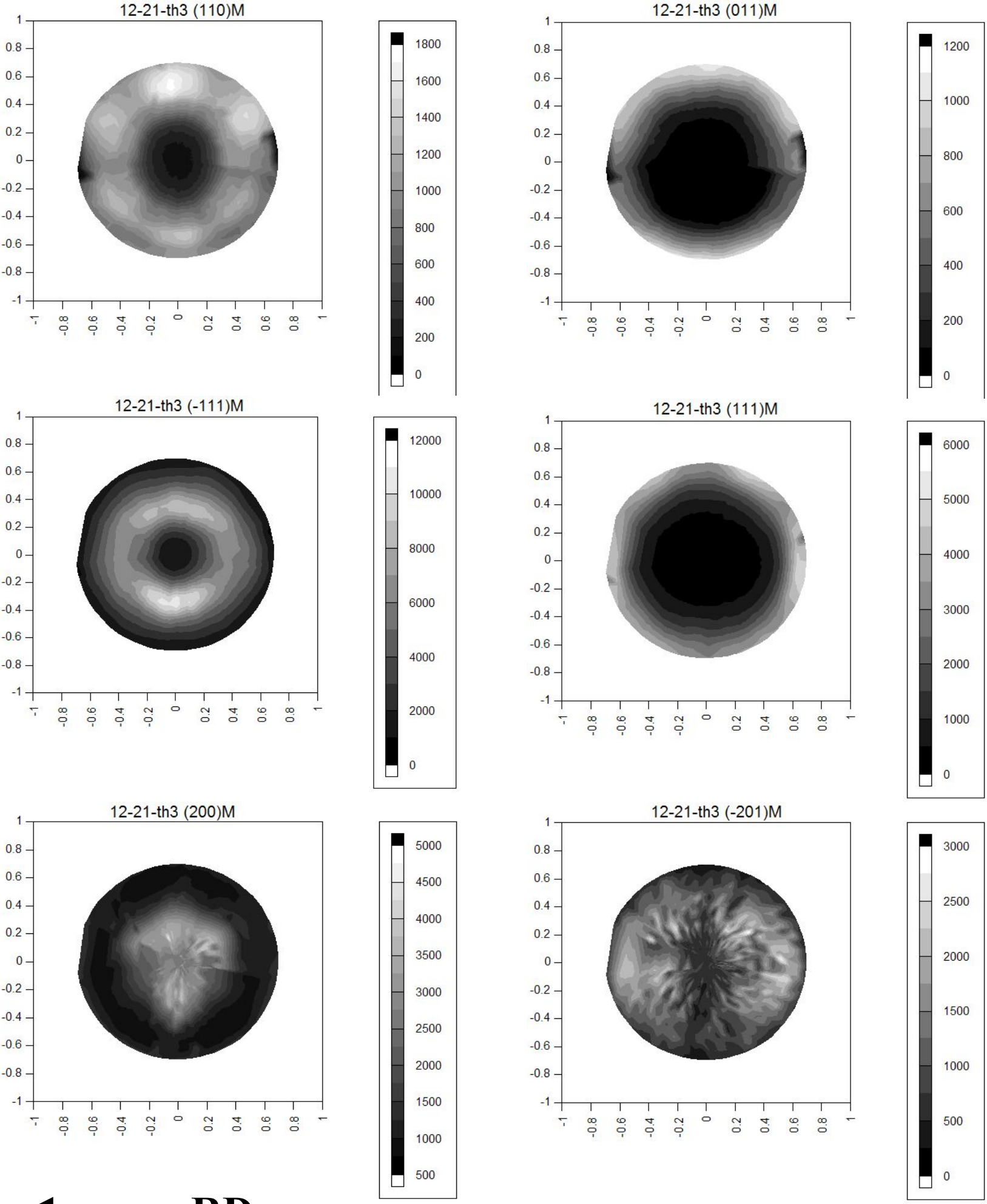


500°C SCW

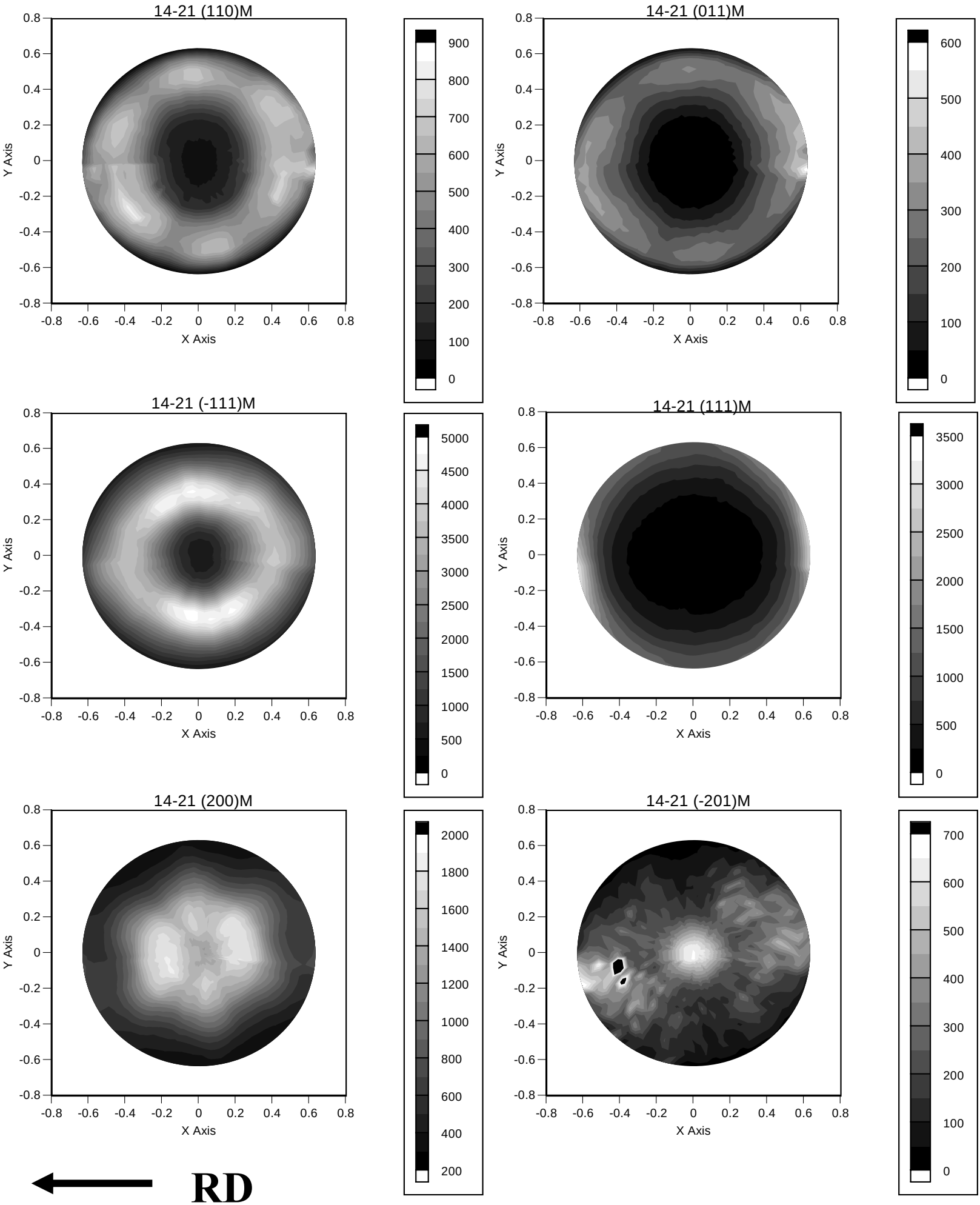
11-22: θ=3, 1 dd, UM 500°C SCW, 2.75 µm



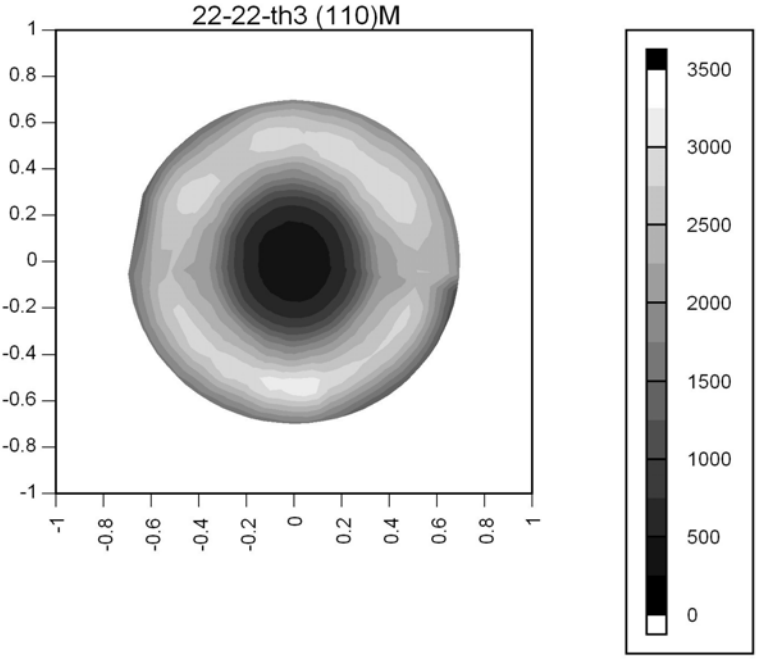
12-21: θ =3, UM 500ºC SCW, 150dd, 14.05 µm

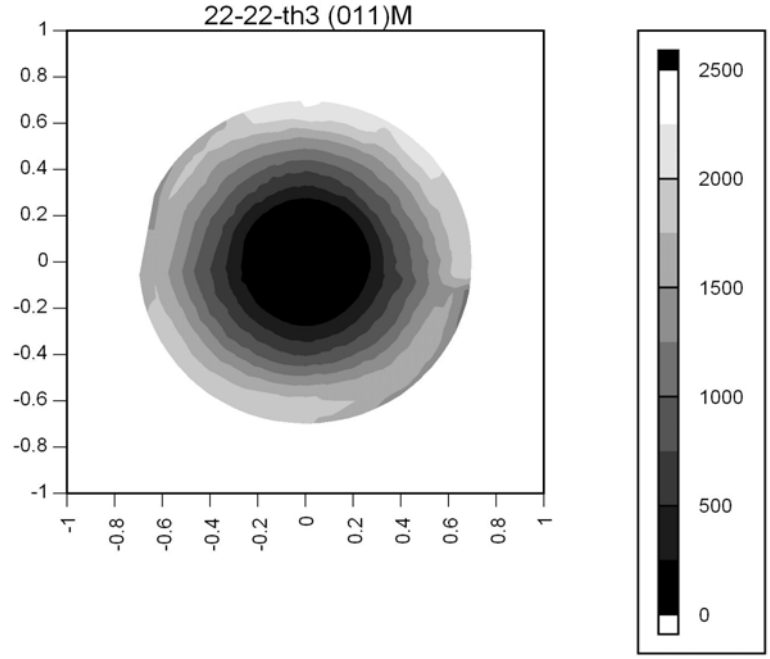


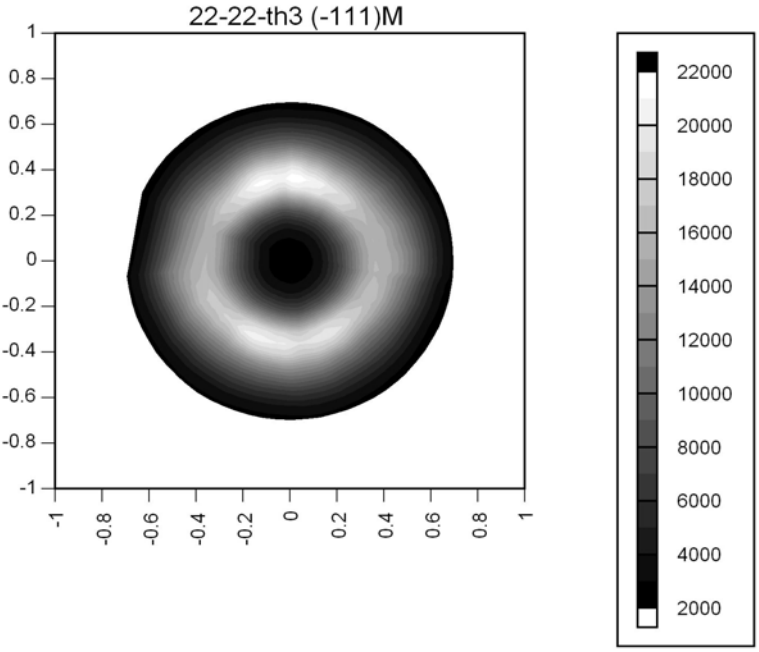
14-21: 500°C SCW, ? µm

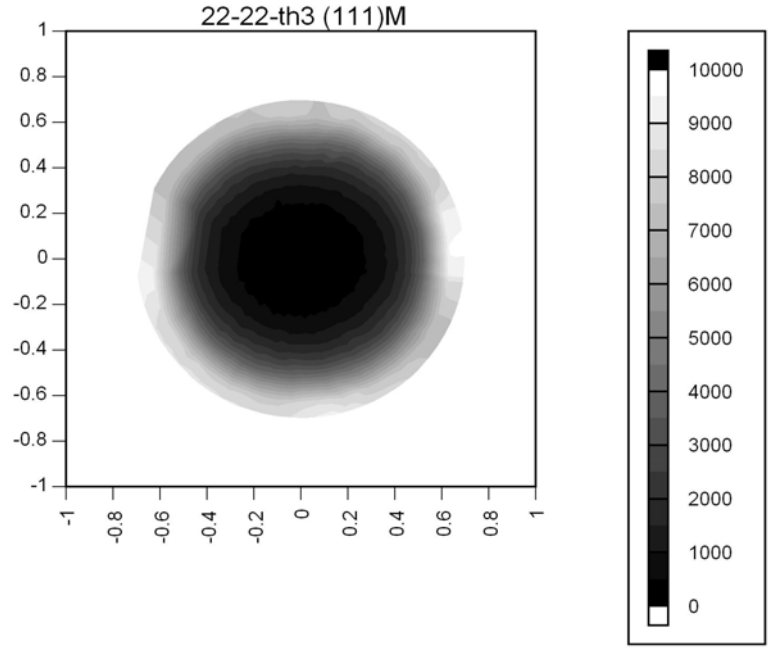


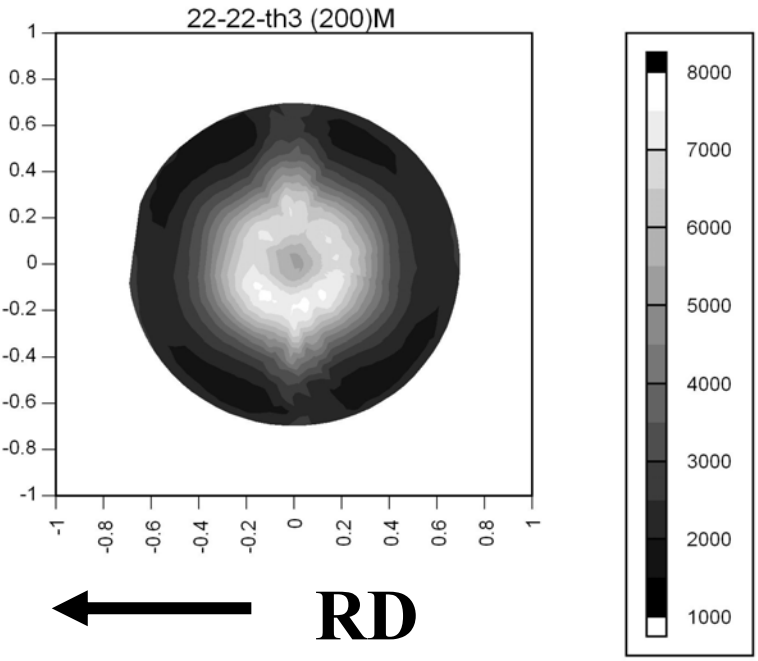
22-22: θ=3, UM 500°C SCW, 150dd, 13.61 µm

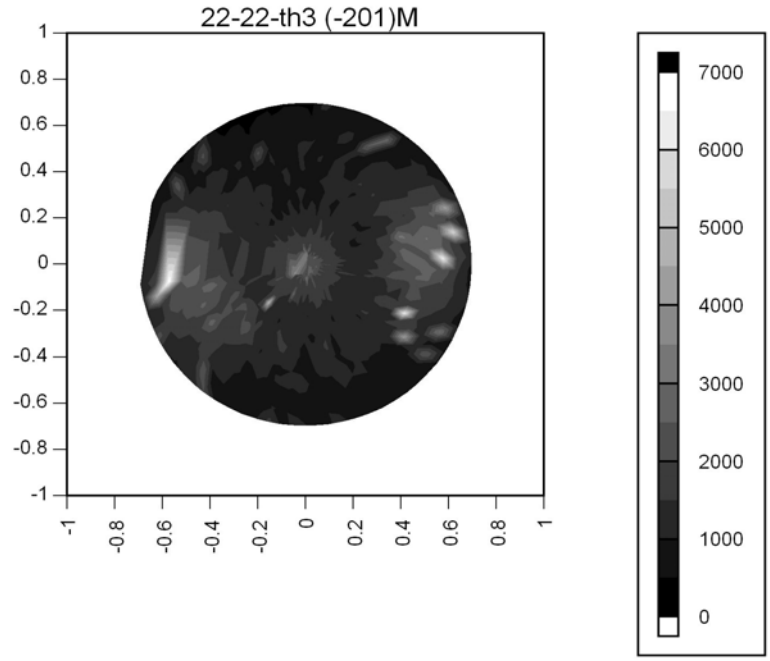






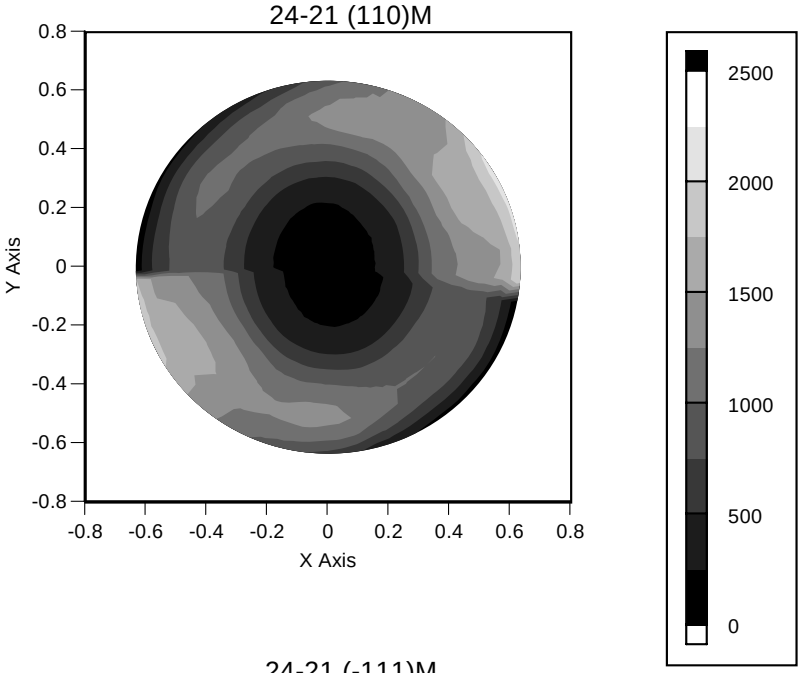


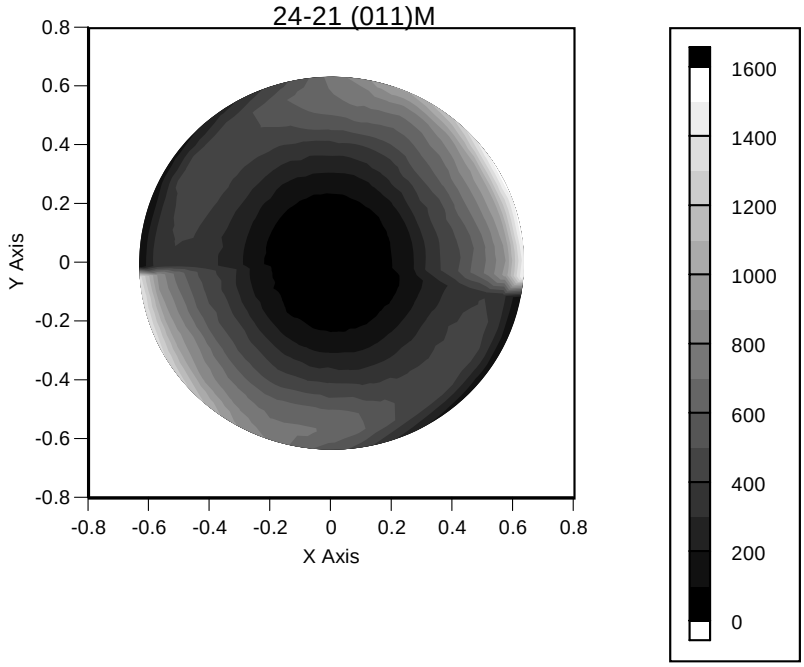


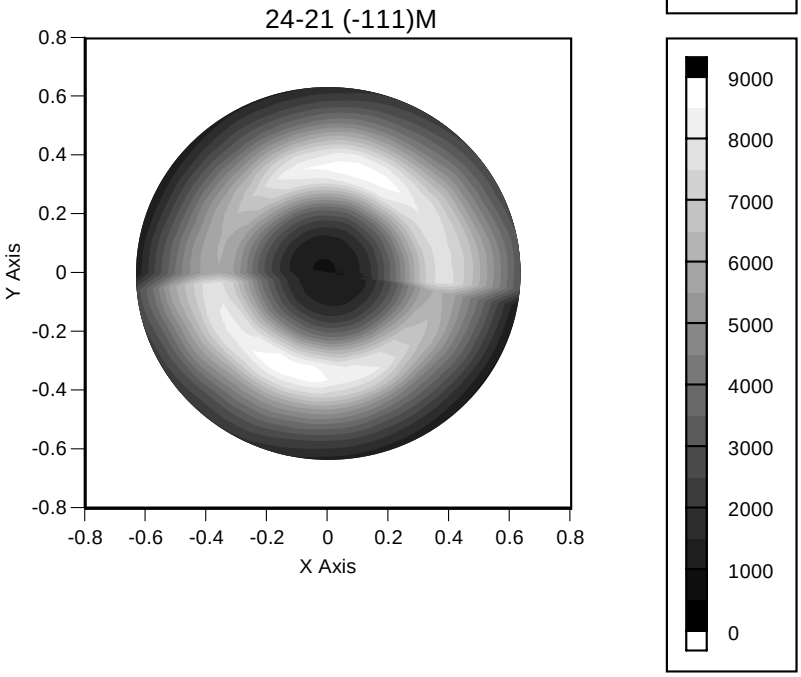


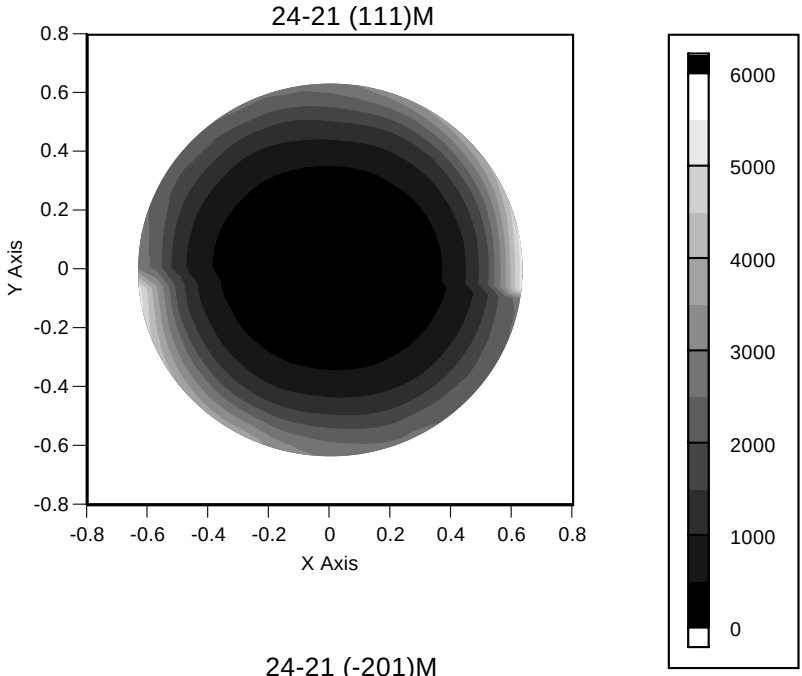
RD

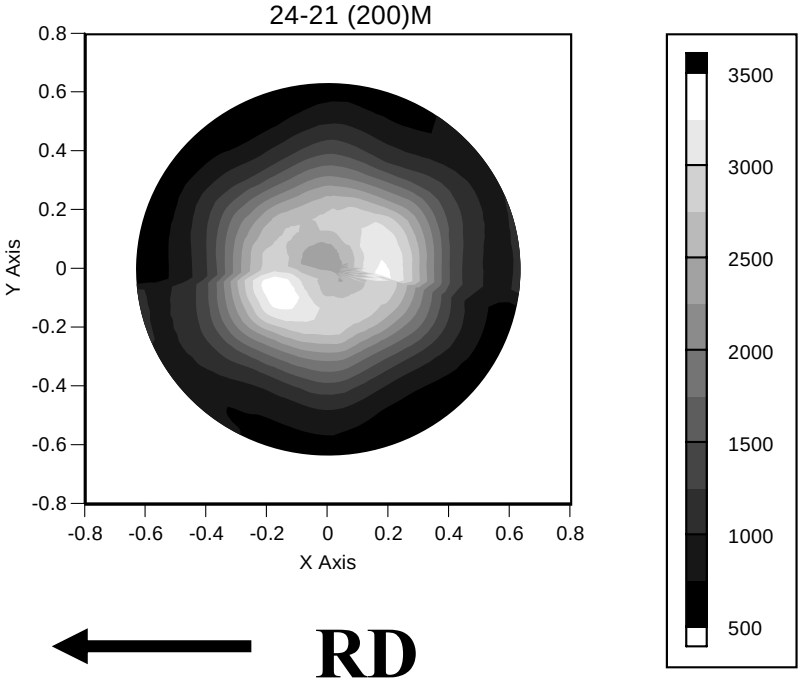
24-21: 500°C SCW, ? µm

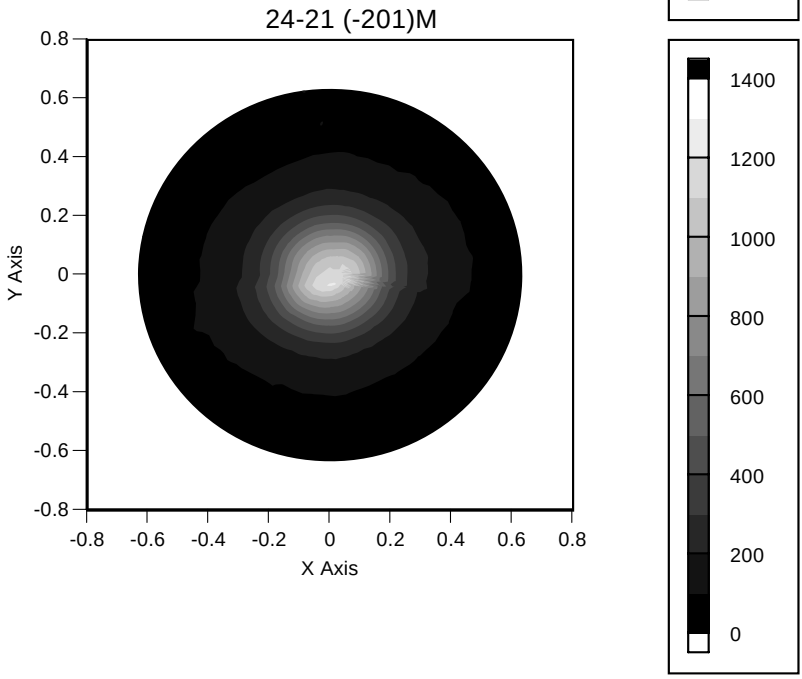








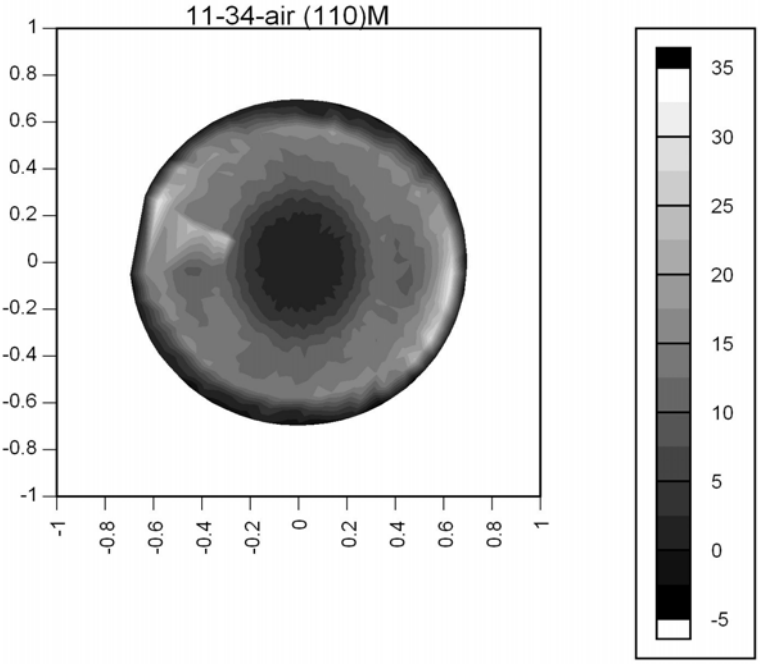


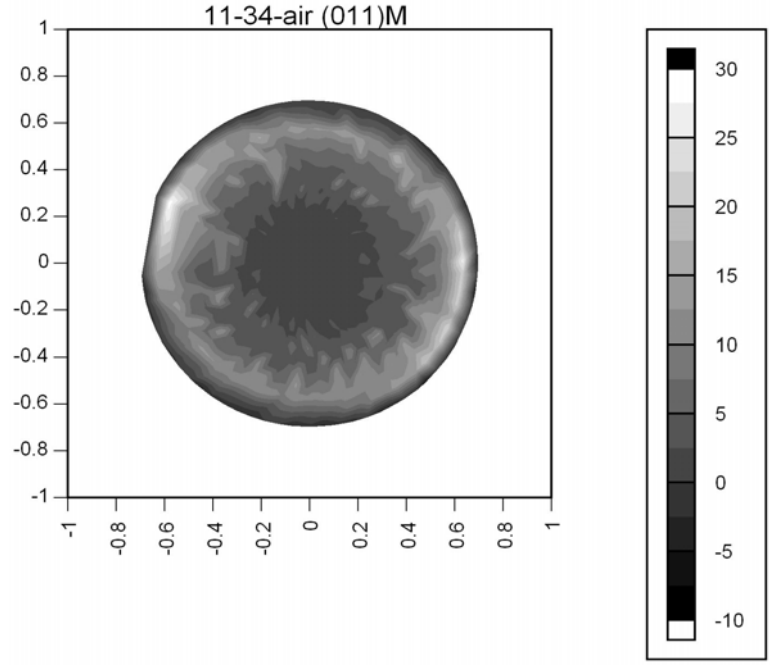


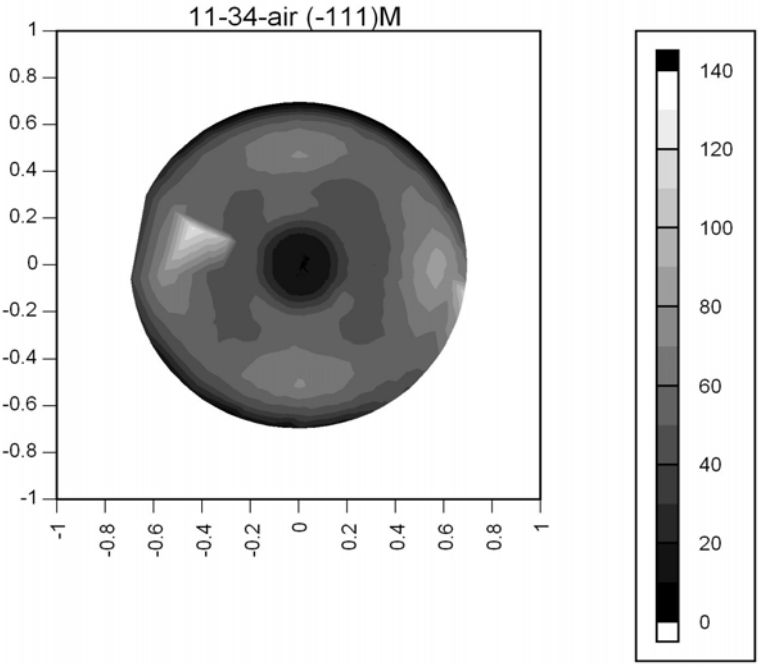
RD

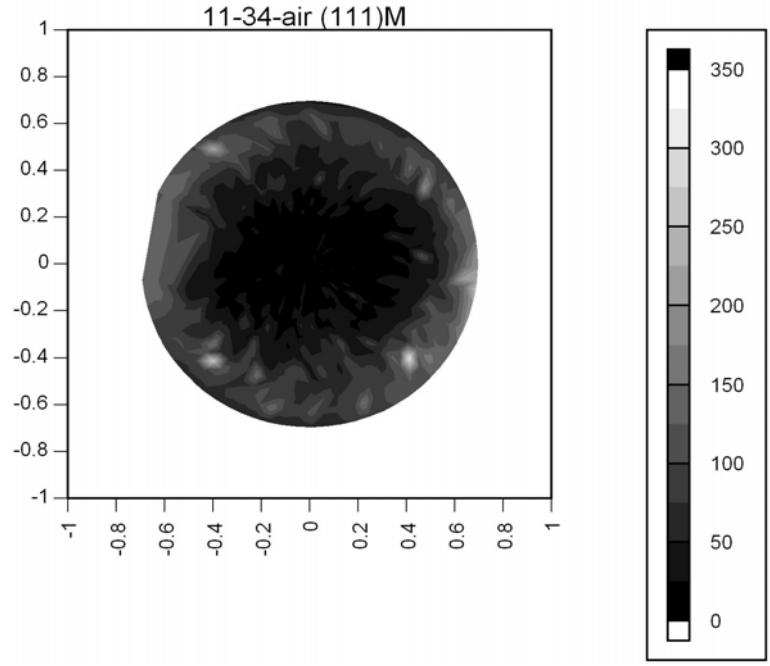
550°C Air

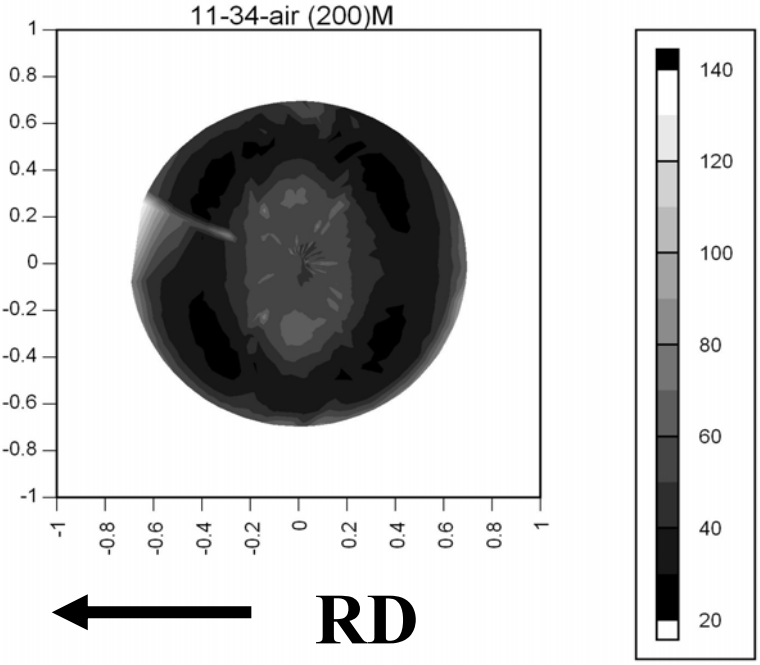
11-34: 550°C Air, 28 hrs, 1.38 µm

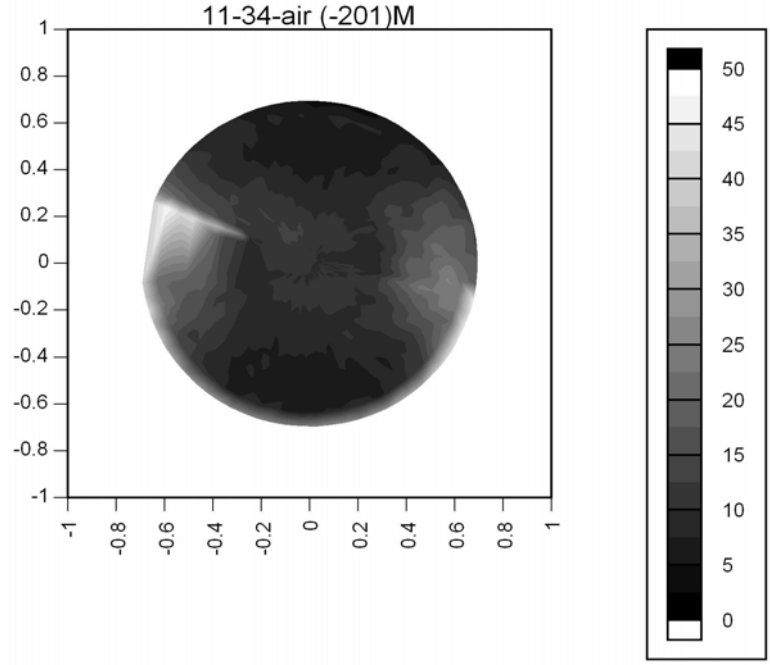






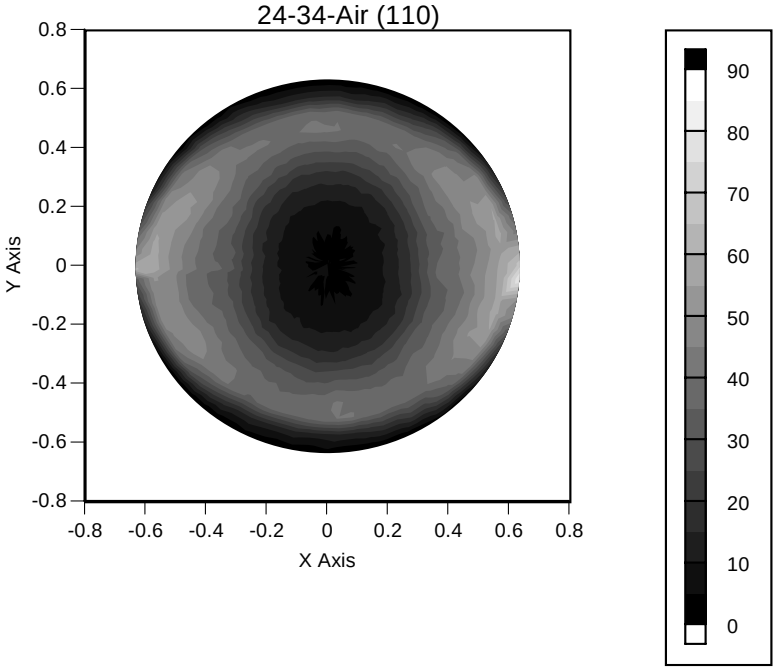


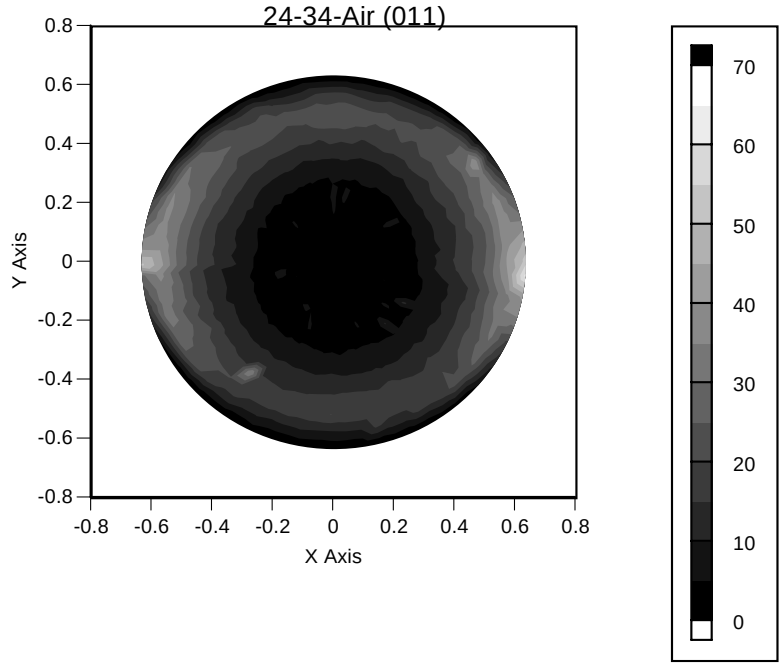


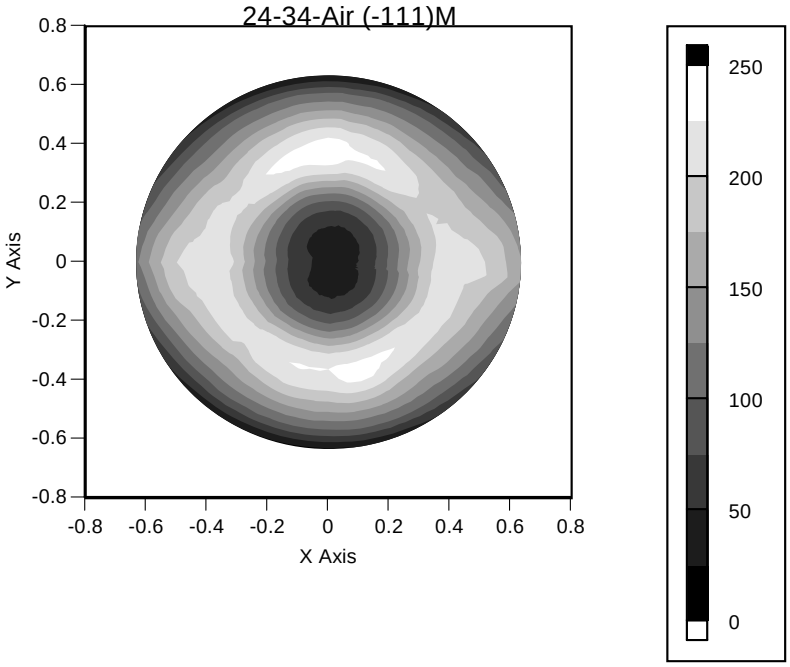


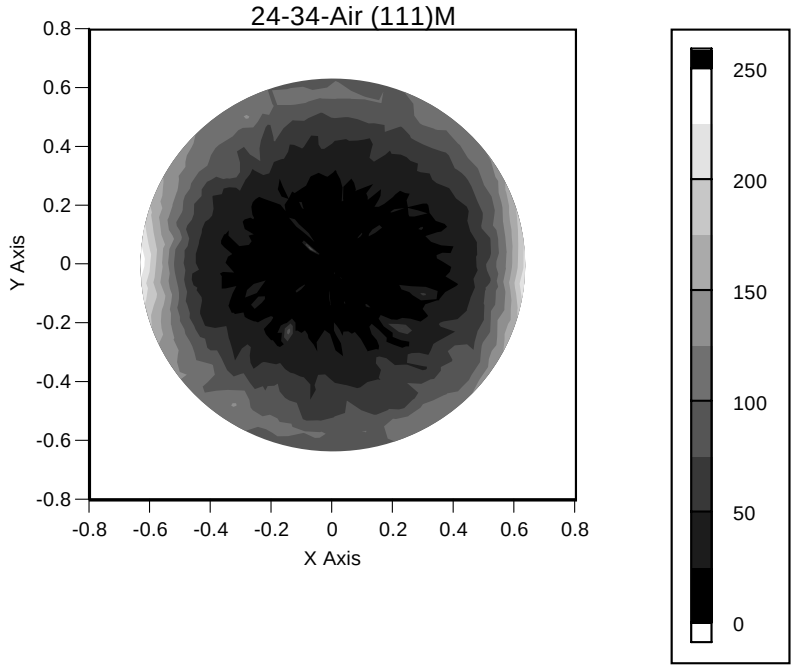
← **RD**

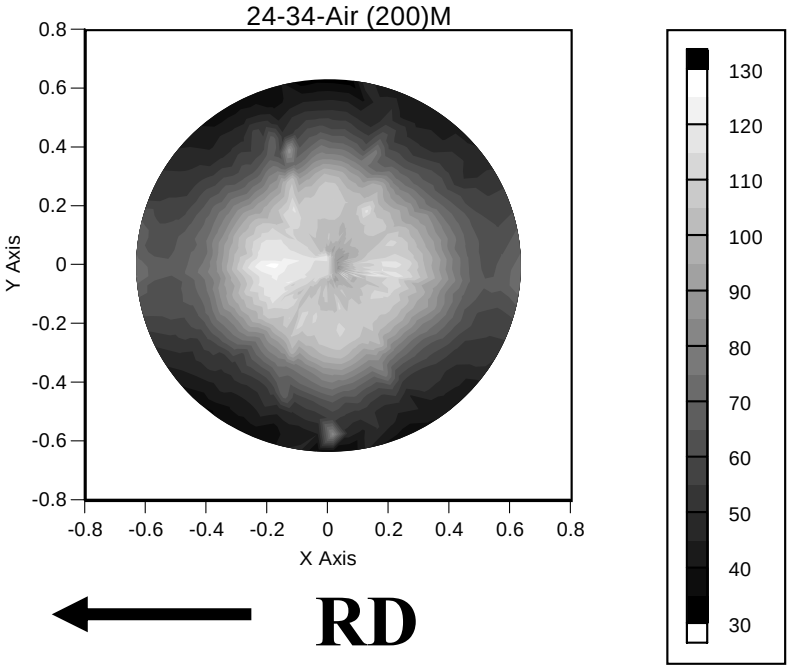
24-34: 550°C Air, 28 hrs, 4.3 µm

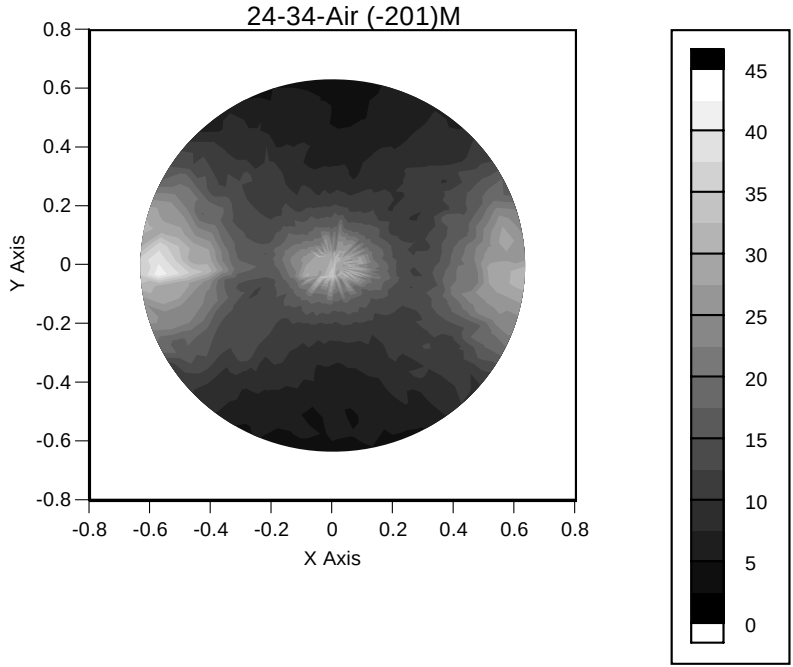


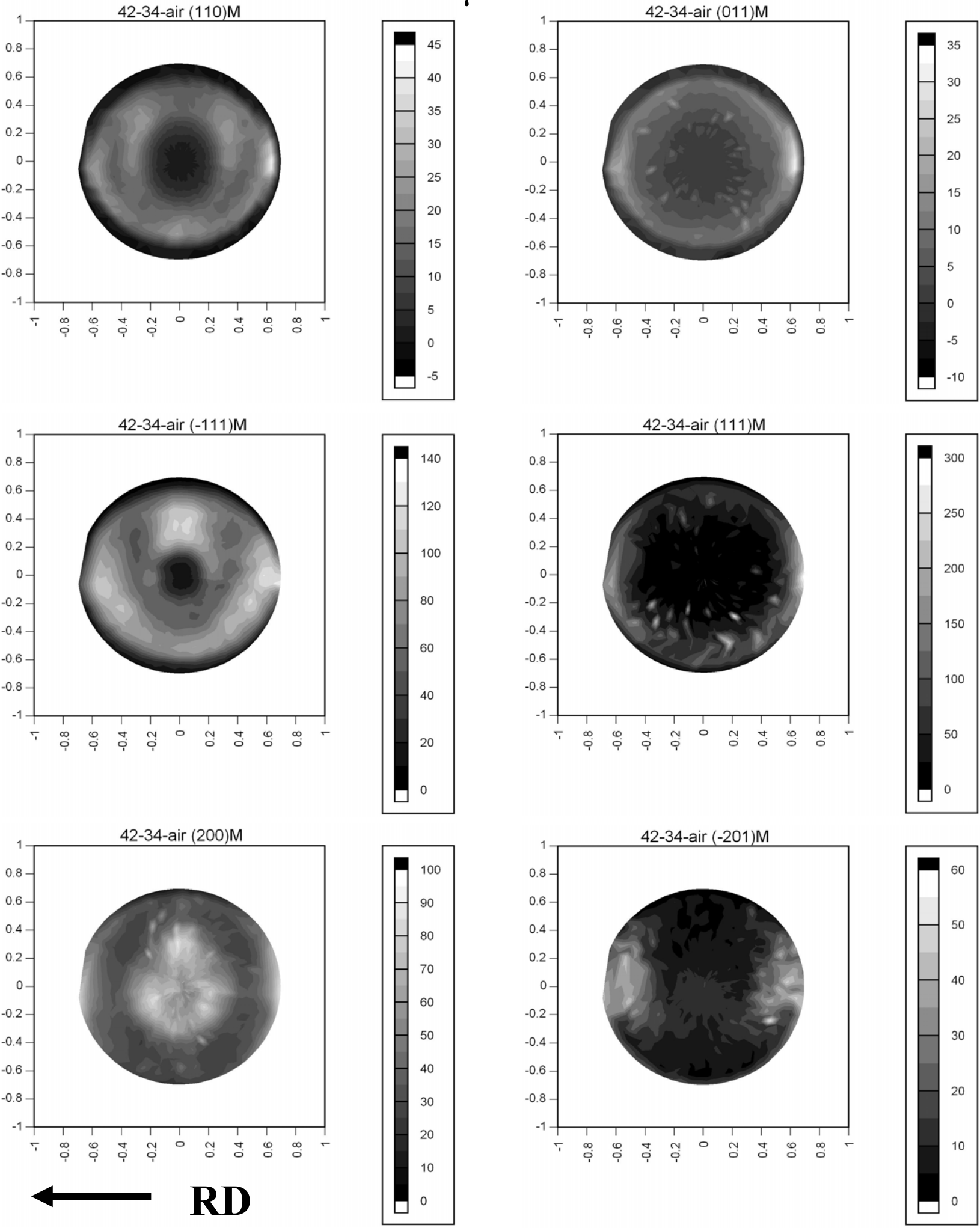










RD

42-34: 550°C Air, 28 hrs, 2.04 µm