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| | Experiment title: Mechanical twinning processes in intermetallic gamma-TiAl based alloys under mechanical load studied on single fully lamellar grains embedded in a polycrystalline matrix | Experiment number: ME-875 |
| Beamline: | Date of experiment: from: 2004.11.19 to: 2004.11.23 | Date of report: 2023.09.19 |
| Shifts: 16 | Local contact(s): | <i>Received at ESRF:</i> |
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Report:

Fully lamellar, polysynthetic twins have been compressed in situ, while taking 2D and 3D diffractograms, introducing disorder into the intermetallic phases. The splitting of domain orientations in the gamma phase disappears, indicating that the disordered lattice becomes more cubic.

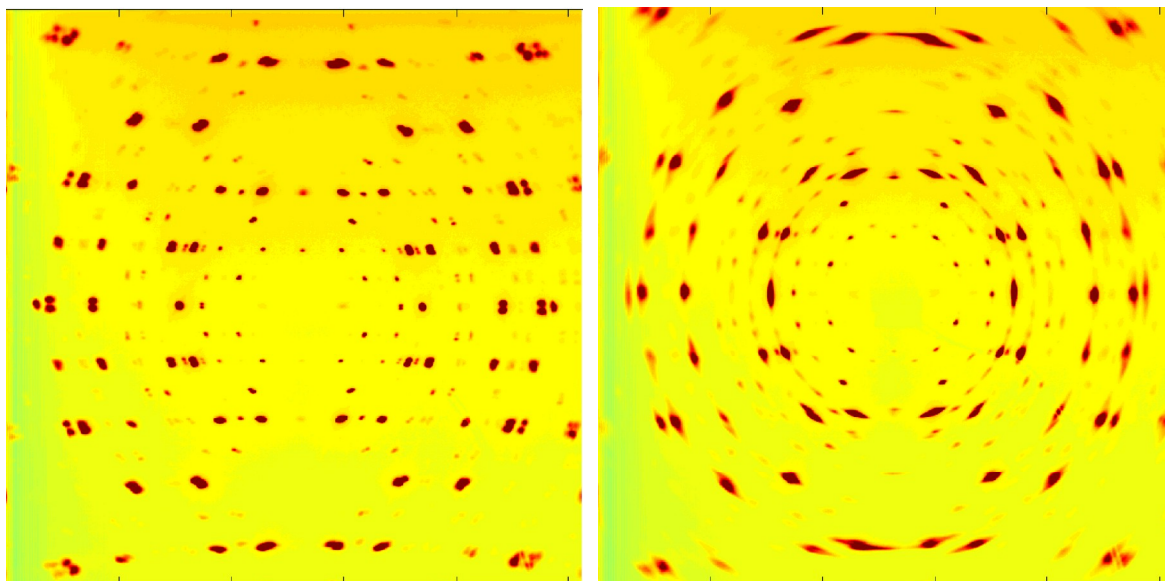


Figure: Before compression (left) and after (right)