

Sample Submission for Single Crystal X-Ray Crystallography Service

What to do if you would like to submit a sample to XRD service?

- ❖ To save your and our time, please, first of all show the potential sample to one of us (Dmitry Yufit or Andrei Batsanov) for examination under microscope. About 30-40% of samples are rejected at this stage as non-crystalline materials or non-single crystals.

We can not re-crystallize the rejected samples for you but we will be happy to give you an advice on crystallization and the first one will be to refer you to

How to grow good single crystals by O.Chetina.

<http://www.dur.ac.uk/crystallography.group/Links.html>

- ❖ If your sample is of acceptable quality, we will guide you through the rest of the submission process. It consists of registration in **DIMAS** – Durham Integrated Management and Access System (<http://dimas.dur.ac.uk/dimas>) (for the first time users); filling the on-line form, printing it down and handling the sample together with the form to one of us.
- ❖ XRD service is not a self-service, however if you expect to study a number of crystals during your long stay in Durham and would like to collect your own data we will be happy to discuss the options with you and your supervisor.

- ❖ Usual turnaround time from the submission of the sample to receiving results of final model refinement vary from several hours to several weeks (in a worst case scenario), however usual time is 2-4 working days (for ~75% of the samples).