



	Experiment title: Native data on small G protein	Experiment number: LS-1810
Beamline: ID29	Date of experiment: from: 02/02/01 to: 03/02/01	Date of report: 27/2/01
Shifts: 1	Local contact(s): Andy Thompson	<i>Received at ESRF:</i>
Names and affiliations of applicants (* indicates experimentalists): Dr Nicholas Keep * Mrs Halina Garavini *		

Report: Crystals of an unusual small G protein that does not hydrolyse GTP have been obtained in three conditions. All the crystals are thin flat plates (roughly 20µm thick). The two forms that are easy to reproduce did not give any diffraction despite testing several crystals. A third form which has only given crystals in one drop produced diffraction in some directions to beyond 3.5 Å. Data sets were collected of two fragments of this crystal (one on ID29 and one on ID14/1 on the previous day). Initial analysis indicates that the point group is P4. Further data processing is required to assess the exact space group and how good the data is. More and thicker crystals in this condition are what are required and experiments are underway to obtain these.