

Experiment Report Form

The double page inside this form is to be filled in by all users or groups of users who have had access to beam time for measurements at the ESRF.

Once completed, the report should be submitted electronically to the User Office using the **Electronic Report Submission Application:**

<http://193.49.43.2:8080/smis/servlet/UserUtils?start>

Reports supporting requests for additional beam time

Reports can now be submitted independently of new proposals – it is necessary simply to indicate the number of the report(s) supporting a new proposal on the proposal form.

The Review Committees reserve the right to reject new proposals from groups who have not reported on the use of beam time allocated previously.

Reports on experiments relating to long term projects

Proposers awarded beam time for a long term project are required to submit an interim report at the end of each year, irrespective of the number of shifts of beam time they have used.

Published papers

All users must give proper credit to ESRF staff members and proper mention to ESRF facilities which were essential for the results described in any ensuing publication. Further, they are obliged to send to the Joint ESRF/ ILL library the complete reference and the abstract of all papers appearing in print, and resulting from the use of the ESRF.


Should you wish to make more general comments on the experiment, please note them on the User Evaluation Form, and send both the Report and the Evaluation Form to the User Office.

Deadlines for submission of Experimental Reports

- 1st March for experiments carried out up until June of the previous year;
- 1st September for experiments carried out up until January of the same year.

Instructions for preparing your Report

- fill in a separate form for each project or series of measurements.
- type your report, in English.
- include the reference number of the proposal to which the report refers.
- make sure that the text, tables and figures fit into the space available.
- if your work is published or is in press, you may prefer to paste in the abstract, and add full reference details. If the abstract is in a language other than English, please include an English translation.

	Experiment title: Methyltransferase-ribosomal RNA interaction and elongation factor RNA interaction	Experiment number: 30-01-728
Beamline: BM30A	Date of experiment: from: February 5 2005 to:February6 2005	Date of report: 09/06/05
Shifts: 3	Local contact(s): Lilian Jacquamet	<i>Received at ESRF:</i>
Names and affiliations of applicants (* indicates experimentalists): *FOURMY Dominique (researcher ICSN-CNRS) *YOSHIZAWA Satoko (researcher ICSN-CNRS) *SOLER Nicolas (pHD student ICSN-CNRS) * HUSSON Clotilde (pHD student ICSN-CNRS)		

Report:

Report for the 3 shifts (proposal n°30.01728) for the 1st semester of 2005:

We have collected a full data set for the mRNA binding domain of SelB from *Escherichia coli* in complex with the mRNA SECIS hairpin. Crystals diffracted up to 5 Å and we need to improve the diffraction of the crystals. We have obtained new crystals of the *Escherichia coli* SelB mRNA binding domain in complex with SECIS mRNA hairpin (100µm x 60µm x 60µm) using additive screens and changing the cryoprotectant.

Crystals of the methyltransferase RlmAII diffracted to 10 Å. We have now obtained new crystals of the protein-RNA complex that are larger (250µm x 100µm x 30µm) than the one previously tested. These crystals were obtained using different crystallization conditions and now the crystals are collected from drops where there is no precipitate which was not the case for the previous samples tested.

This experiment was our first one at ESRF and we look forward to do more experiments in order to improve our data.