



Experiment title: Towards sub-picosecond temporal resolution in X-ray diffraction studies.	Experiment number: LS-1106	
Beamline: ID14, EH3	Date of Experiment: from: 14 December 98 to: 16 December 98	Date of Report: 22 February 99 <i>Received at ESRF:</i>
Shifts: 6	Local contact(s): Dr. Wim Burmeister	

Names and affiliations of applicants (*indicates experimentalists):

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Report:

This beamtime was applied for, on the advice of the corresponding beamline scientist Dr. Wim Burmeister, as a backup against technical failures during an experiment LS922 (of the same title). As LS922 was performed in June 1998, Dr. Burmeister informed us in February 1998 that there was no time to reschedule this experiment during the first half of last year in the event of technical failures, and so we were advised to reapply for this beamtime. However, there were no technical hitches in June and we were extremely pleased with the results from LS922 (report submitted in August 98, and is attached. One manuscript is now in preparation). We therefore judged that it was unnecessary to repeat this experiment and instead, with the agreement of Dr. Burmeister, we collected diffraction data on some other protein intermediates being trapped within our laboratory (for which we have a long-term beamtime allocation). A full report on these experiments will, therefore, be submitted in August of this year, as there were no methodological aspects of this experiment for which further beamtime is being requested in the current application round.