



Experiment title:

Crystallographic studies of Src tyrosine kinases

Experiment

number:

LS570

Beamline:

BM4

Date of Experiment:

from: 10-10-96

to: 12-10-96

Date of Report:

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Shifts:

6

Local contact(s):

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Report:

For this visit we brought along many crystals of our Src construct (**chicken Src, SH3-SH2-kinase**). We had hoped to collect a couple of datasets from frozen crystals. Unfortunately, it turned out that the freezing protocol was not yet good enough. In the end we collected the datasets from crystals which were mounted in glass capillaries. One dataset was of a native crystal and the other dataset of a heavy atom derivative. After this ESRF-visit John Williams established a good freezing protocol at home and while visiting the DESY synchrotron and during a subsequent visit to BM 14 on the 17 November, 1996, John Williams collected a very good dataset to 2.2Å resolution. With this dataset the structure could be solved by molecular replacement and the structure is currently being refined.