ESRF	**Experiment title:** Structural and functional studies of a)Arrestin, b)β-Arrestin, c)...	**Experiment number**: LS-1678 **BAG**
Beamline: BM14 ID14 3	**Date of experiment**: from: 04.05.2000 to: 06.05.2000 from: 22.06.2000 to: 23.06.2000	**Date of report**: 16.08.2000
Shifts: 6/3	**Local contact(s)**: Stephanie Monaco	*Received at ESRF:*

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Report:

BM14:

No MAD datasets were collected (insufficient beam intensity), but 5 datasets at fixed wavelenght. (1)Arrestin prepared with a modified heparin compound (resolution: 3.2 Å). (2)β-Arrestin complexed wth IP_6 and $HgCl_2$ (resolution: 4 Å). (3-5)Galactokinase, one native data and 2 heavy-atom datasets (a: $UO_2(C_2H_3O_2)_2$, b: $Pt(en)Cl_2$; resolution: all 3.3 Å, the heavy-atom datasets are isomorphous to 5 Å). (nn)Diffraction tests of different preparation of β-Arrestin.

ID14-3 (Beam in hybrid mode, less intensity):

3 datasets were collected: (1) We try to improve the resolution of β-Arrestin (failed, the intensity of the hybrid beam mode was insufficient). (2) The same problem appeared to the native data of Galactokinase. (3)Another dataset of Arrestin with heparin (different cation).

All the recorded datasets are evaluated. The solutions of the difference pattersons (Galactokinase) are in progress (problems with too many sites).