ESRF	**Experiment title:** Structure determination of Epsilon toxin of *Clostridium perfringens*	**Experiment number:** LS1672
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Shifts: 1	**Local contact(s):** Stephanie Monaco	*Received at ESRF:* 28 AOUT 2000

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Report:

During this period of our experimental time on Epsilon-toxin project, crystals of an activated form of this protein were used. These new crystals were grown from new crystallization conditions in an attempt to overcome the problem of isomorphism. Two data sets were obtained, one using K_2PtCl_4 as the heavy atom compound and the other using CsF. Sadly though the datasets still do not scale well with native datasets but inspection of the anomalous Patterson of the K_2PtCl_4 dataset reveals promising peaks, but still not enough phasing power to solve the structure.

Summary of the data sets:

	K_2PtCl_4	CsF
Diffraction Limit (Å)	3.7	2.5
Rmerge (%)	6.8	4.3
Ranom (%)	6.9	
I/sd	20.6	18.1
Comp (%)	99.9	99.4
Mult (%)	4.5	2.6