ESRF	**Experiment title:** Threonine synthase : MAD data collection on SeMet crystal	**Experiment number:** LS1506
Beamline: BM30	**Date of experiment:** from: 7 nov 1999 8h to:8 nov. 1999 23h	**Date of report:** 28-2-2000
Shifts: 5	**Local contact(s):** R. Kahn	*Received at ESRF:*

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Report:

MAD data were measured on a selenomethionine crystal soaked in a DTT solution. The structure was solved using this data set and another one measured on BM14 with an oxidized crystal.

The crystals are triclinic with 2x14 methionines per asymmetric unit. 26 sites were found and the structure is being refined. The table below gives data quality.

	Reduced MAD data set		
Unit cell	57.8Å, 62.2Å, 76.8Å, 109.5°, 97.5°, 112.8°.		
Wavelength (Å)	0.9795 (peak)	0.9797 (edge)	0.9729 (remote)
Resolution (Å)	20 - 2.53	20 - 2.53	20 - 2.50
No. of reflections	105840 (6600)	106729 (6626)	108563 (9293)
Unique refl.	28359 (3129)	28358 (3223)	29154 (3953)
Completeness	95.7 (85.6)	96.3 (88.2)	95.8 (88.8)
Multiplicity	3.7 (2.1)	3.7 (2.1)	3.7 (2.4)
R-sym (edge)	.053 (.151)	.050 (.100)	.046 (.113)
R-anom.	.073 (.133)	.044 (.109)	.047 (.112)
Anom. compl.	90.5 (49.7)	93.5 (68.1)	92.6 (71.2)