Initial analysis suggested bad data dets but additional analysis using an older version of SHELX has proved that the data sets are OK and the structure could be solved.

4.-6 [2x2] Co(II)
Crystals at three different temperatures were studied (27 K 50 K 127 K) in order to observe a possible spin-crossover phenomene over this temperature range. One day diffraction time was lost setting up the helium cryostat to obtain the required low temperatures. Data were then collected at the three temperatures given above. But ice build up around fibre and crystal at the two lower temperatures preventing a good data set quality. High quality is required to determine exact Co-N distances. Only the data set at 127 K provided good quality to solve the structure.

All the here reported solved structures will be included in appropriate publications soon, what did not happen yet.

ESRF	**Experiment title:** **Anomalous diffraction of Supramolecular Inorganic Architectures**	**Experiment number**: CH 832
Beamline: ID 11	**Date of experiment**: from:13th february to:18th February	**Date of report**: 30.08.2000
Shifts: 15	**Local contact(s)**: G. Vaughan	*Received at ESRF:*

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Report:

11 catagories of samples were taken to Grenoble and 26 crystals were mounted for study. The planned anomalous diffraction was not carried out, since the concerning samples did not have a suffisant crystal quality. Thus, the work was continued by normal x-ray diffraction mesurements. Finally six data set could be collected. The data sets are discussed below:

1. [4x4] Pb(II)
We tried to obtain the structure from the data set. But problems are thelack of long range diffraction and/or diffraction at high angle. The 16 leads are easily obsrved in the expected gris arrangement but the organic ligand are not retrievable. Over 600 non hydrogen atoms will have to be refined (not including solvent molecules). Because of the uniqueness of that molecule the efforts to obtaine a better data set should be persisted in a forthcoming experiment!

2. Bis-receptor
Data for the VB-5-Bisreceptor were coolected on very small but stable crystals. The data set is o.K. and the structure resolved.

3. 2.5 turn helix