

## **W0185**

**Processing a Twinned and Highly Mosaic Data Set of Elongation Factor, EF-Tu.** Susan Heffron, Rhonda Moeller, Frances Journak, Univ. of California, Irvine, CA.

*Escherichia coli* Elongation Factor (EF-)Tu was crystallized in the presence of a novel inhibitor. Unfortunately, the only crystals that could be grown were twinned, highly mosaic, and diffracted poorly. To determine whether the inhibitor was present in the crystal, it was necessary to process a rather poor quality data set. The challenges and methods to circumvent each of the problems will be presented. The structure was ultimately solved and the original question answered.