



The bold percentages on the contours are the probability that the fix is inside those contours. This is a relatively good fix, with the hat being well within the the individual LOP's standard deviation of 75 units. The "cross" marks the MPP.

Adding one more LOP tightens up the probability distribution – but not by much. The ellipse between the above 18% and 38% ellipses, having a probability of 28% (unlabeled here), is nearly the same size as the 20% ellipse in the plot to the left. The MPP has changed noticeably.