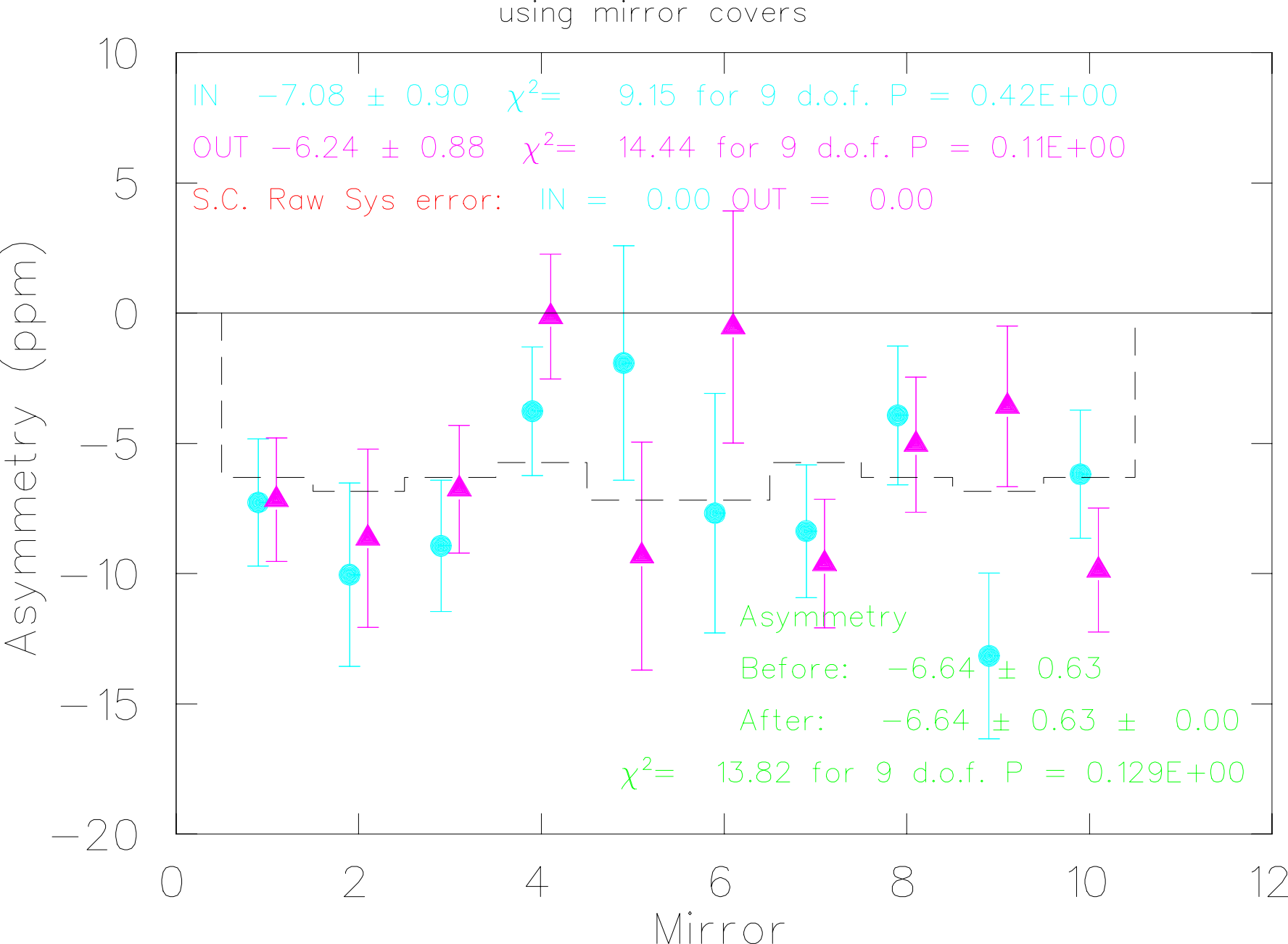using mirror covers