

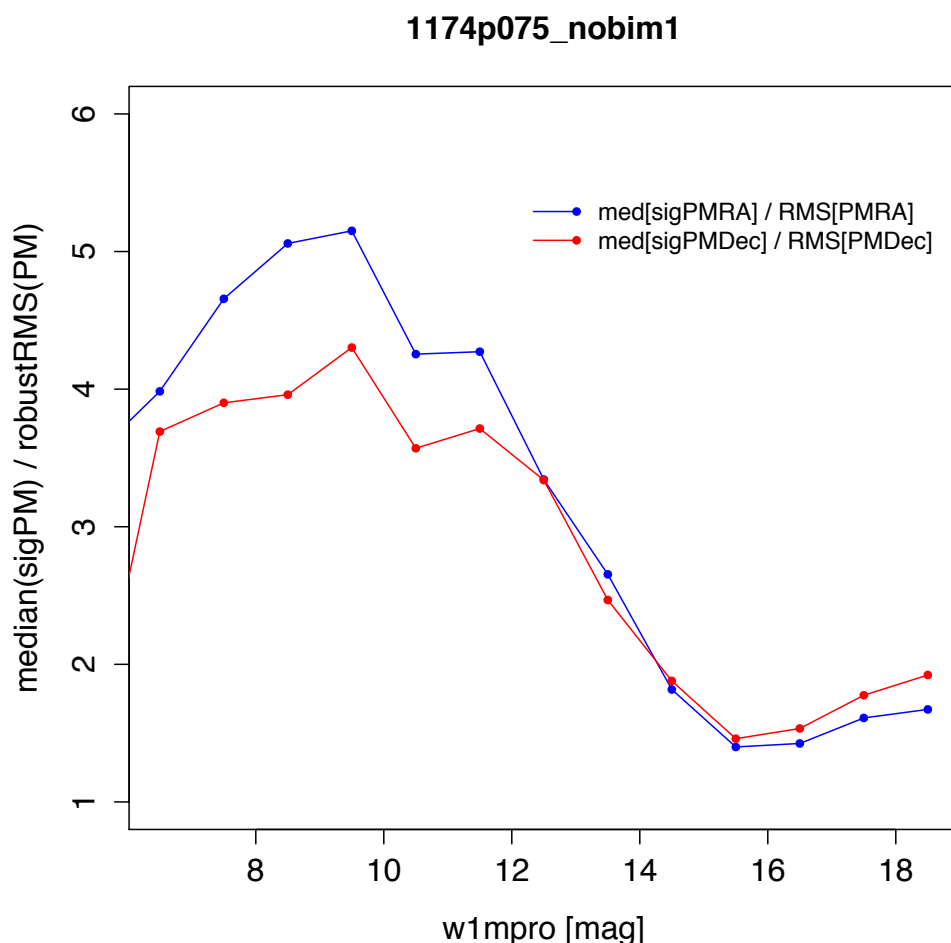
From: Frank Masci <fmasci@ipac.caltech.edu>
Subject: Fwd: proper motion uncertainties are ultraconservative
Date: May 17, 2013 11:04:20 AM PDT
To: fmasci@ipac.caltech.edu

6 Attachments, 5.9 MB

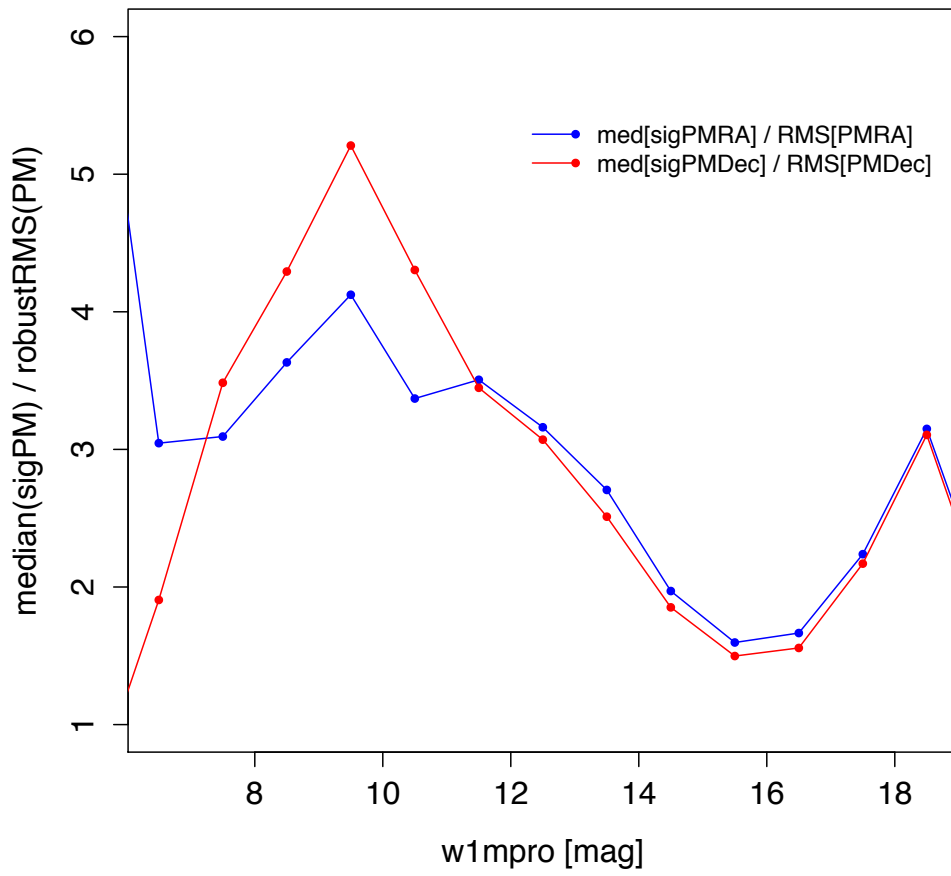
From: Frank Masci <fmasci@ipac.caltech.edu>
Subject: Re: proper motion uncertainties are ultraconservative
Date: May 17, 2013 8:55:34 AM PDT
To: Roc Cutri <roc@ipac.caltech.edu>
Cc: Davy Kirkpatrick <davy@ipac.caltech.edu>, John Fowler <jwf@ipac.caltech.edu>, Sergio Fajardo-Acosta <fajardo@ipac.caltech.edu>, Roc Cutri <roc@ipac.caltech.edu>, Carl Grillmair <carl@ipac.caltech.edu>, tim
Bcc: Frank Masci <fmasci@ipac.caltech.edu>

As a followup, I also plotted something similar. Attached are the mag-binned ratios: $\langle \text{sigPM} \rangle / \text{rms(pm)}$ for the recently run tiles: 1174p075_nobim1 and 3012p545_ac51. The latter is the same tile Roc looked at (srt1 run). Aside from differences in bin-size and the robust metrics used, these plots are qualitatively similar to Roc's where the ratio is mag-dependent.

Regards, Frank

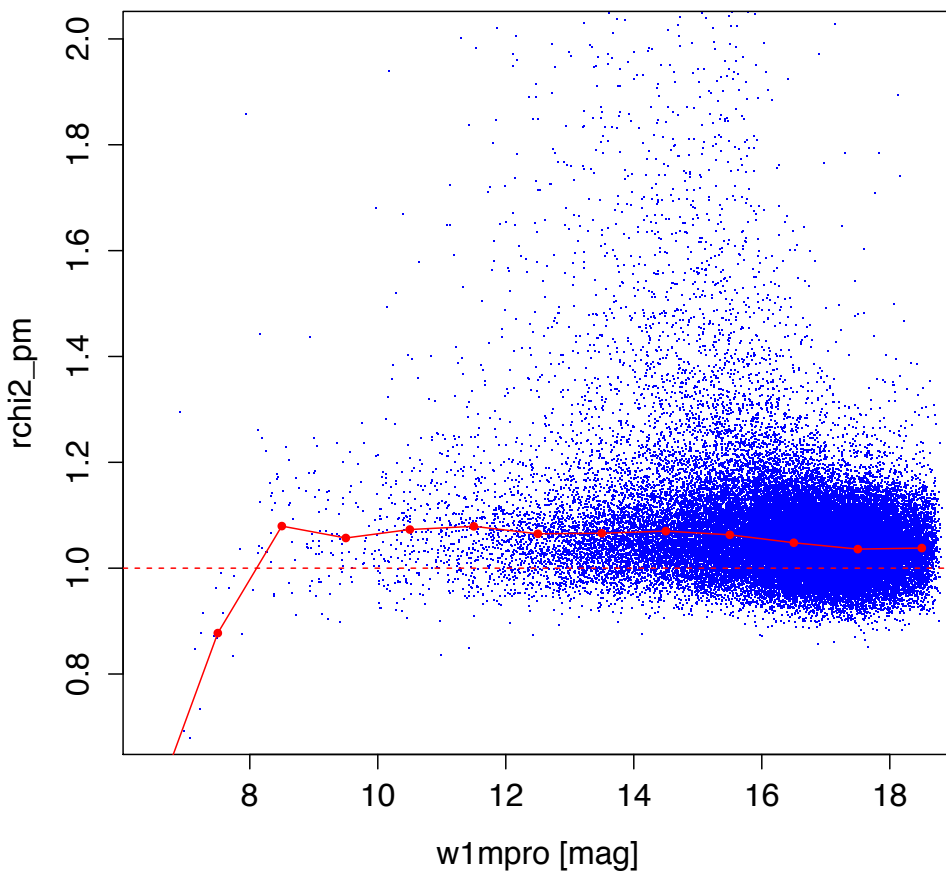


3012p545_ac51

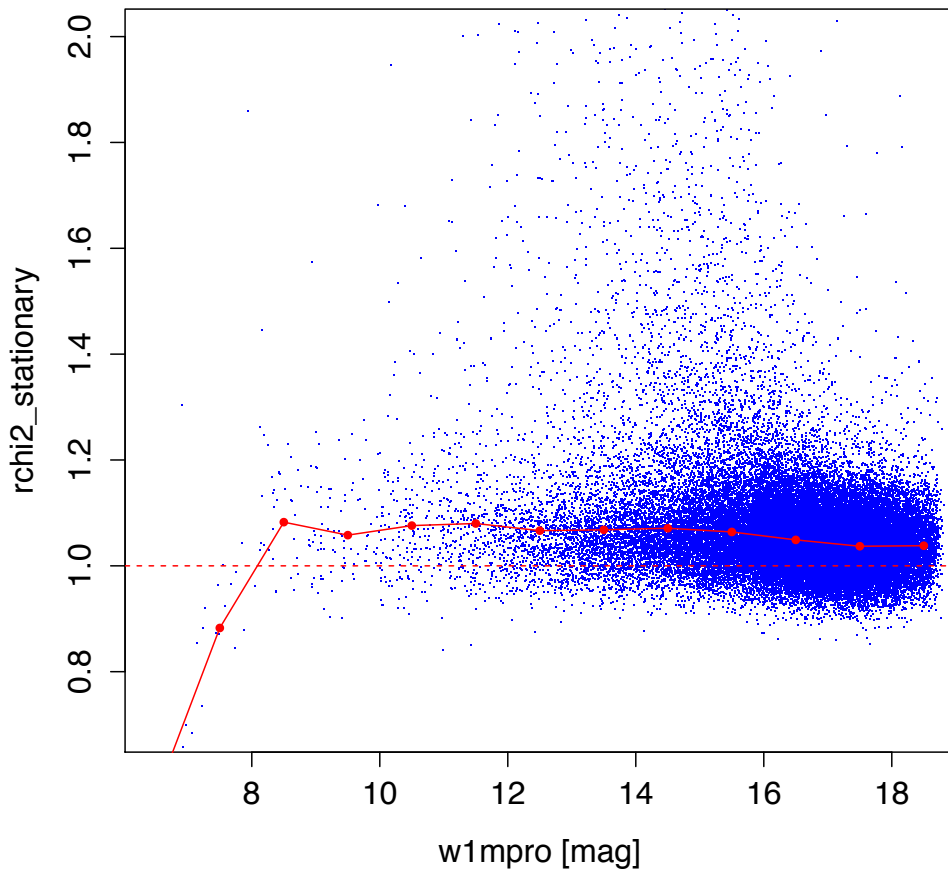


Chi-square vs mag plots for stationary and pm-fits:

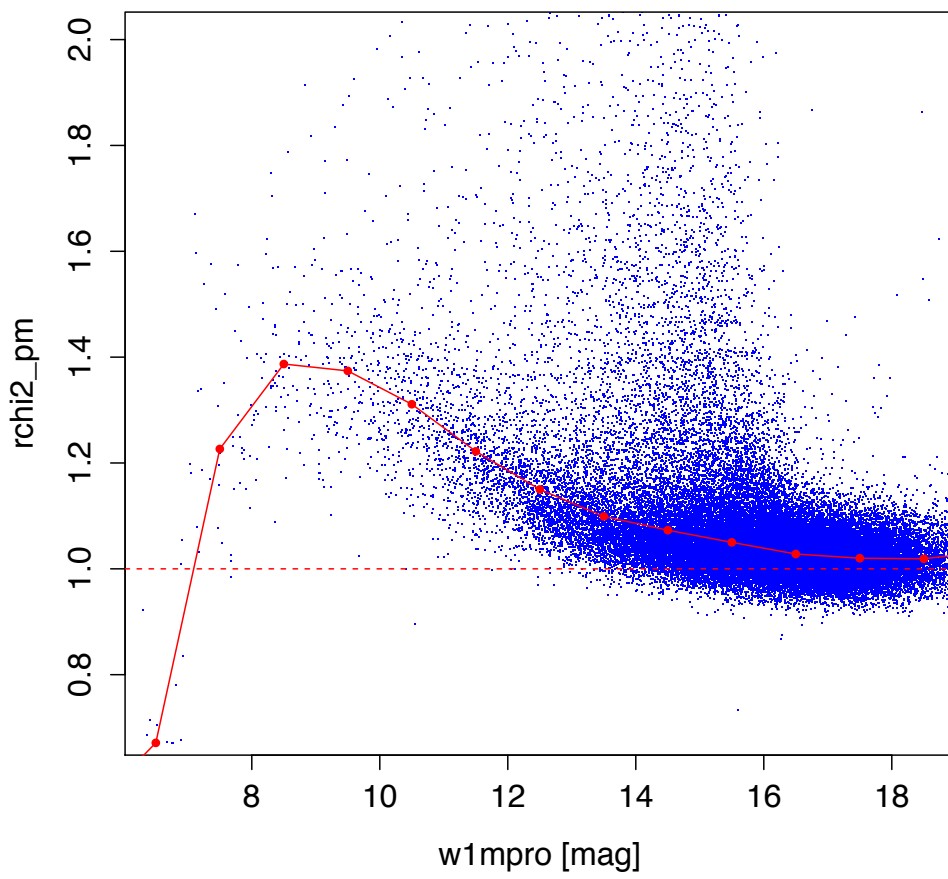
1174p075_nobim1



1174p075_nobim1



3012p545_ac51



3012p545_ac51

