Figure 1. from An Updated 2017 Astrometric Solution for Betelgeuse null 2017 AJ 154 11 doi:10.3847/1538-3881/aa6ff9 https://dx.doi.org/10.3847/1538-3881/aa6ff9

© 2017. The American Astronomical Society. All rights reserved. 300 F 200 **ALMA/eMERLIN** 2015-2012 $\Delta\delta$ (mas) 100 Hipparcos 1991.25 VLA 2004-1996 $\Delta\alpha\cos\delta = 0.09 + -0.19 \text{ mas}$ = 1.40 + -0.48 mas $\Delta\delta$ = 4.51 + -0.80 mas-100 = 26.42 +/- 0.25 mas/yr = 9.60 +/- 0.12 mas/yr -200 E 800 600 400 200 -200 0 $(\alpha$ - $\alpha_{2007}^{Hipp})\cos\delta$ (mas) 300 E 200 ₺ ALMA/eMERLIN 2015-2012 $\Delta\delta$ (mas) 100 Hipparcos 1991.25 VLA 2004-1996 $\Delta\alpha\cos\delta$ = 0.00 +/- 0.71 mas = 0.00 + -0.58 mas= 6.56 + -0.83 mas-100 ₺ = 27.54 +/- 1.03 mas/yr = 11.32 +/- 0.65 mas/yr -200 E 200 -200 800 600 400 0 $(\alpha$ - $\alpha_{2007}^{Hipp})\cos\delta$ (mas)