

L1,L2,L3 = width of organ O at brain longitude x, brain latitude y

First interval t1 to t2 = 391 days

MRI 1 at t1
Date Aug 12, 2012
L1 = 38.72 mm

Second interval = 392 days

MRI 2 at t2
Date Sept 7, 2013
L2 = 35.47 mm
RA1 = $\frac{35.47 - 38.72}{391}$
= -8.3 um / day

MRI 3 at t3
Date Oct 4, 2014
L1 = 36.55 mm
RA2 = 2.8 um/day

dRA from t2 to t3 = $\frac{2.8 - (-8.3)}{13}$
= +0.85 um/day/month