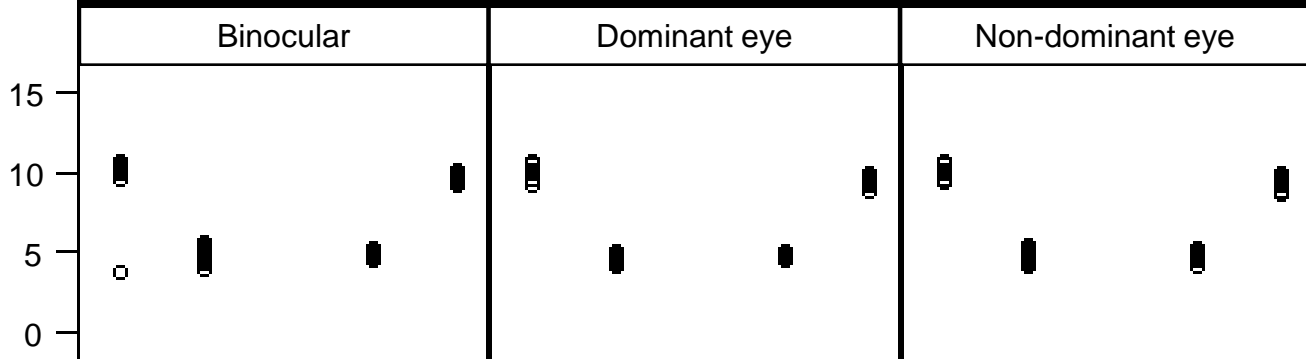
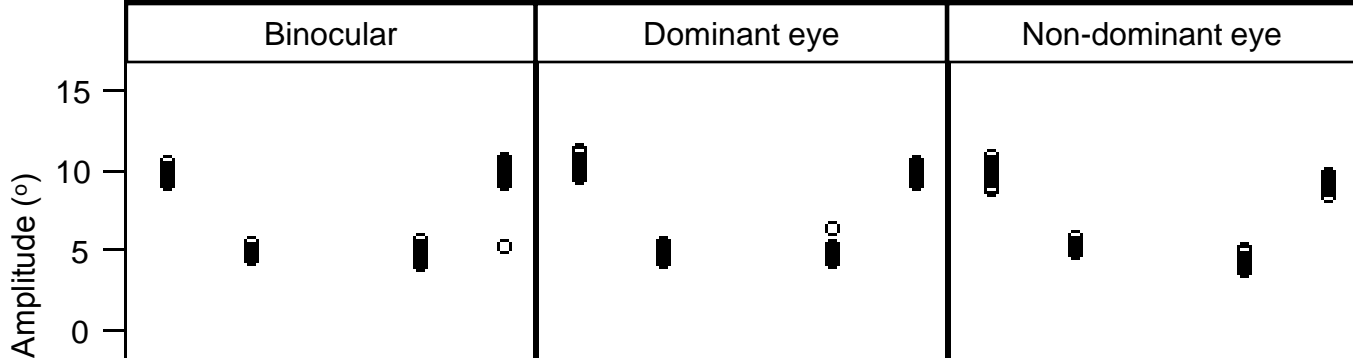


Supplementary Figure 1: Primary saccade amplitude for each target location (minus values on the x-axis represent leftward target locations, positive values represent rightward target locations) across viewing conditions for representative participants in each group (visually-normal, mild amblyopia – stereo⁺, mild amblyopia – stereo⁻, severe amblyopia – stereo⁻, strabismus – stereo⁺, strabismus – stereo⁻). The patient number at the top of each row corresponds to patient ID in Table 1.

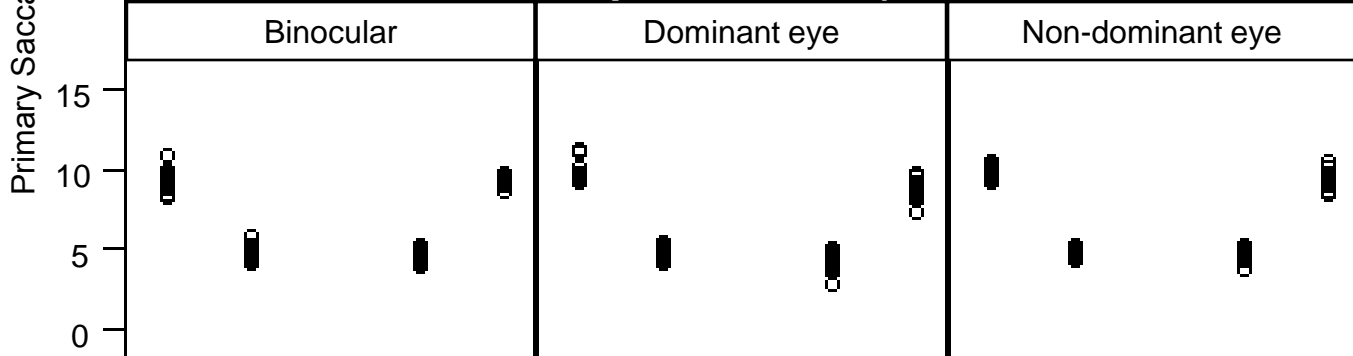
Visually-normal – Participant 1



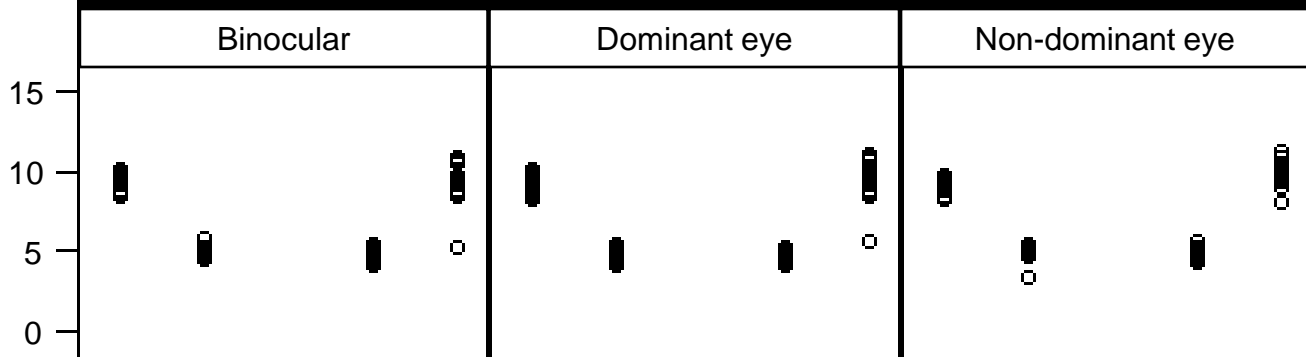
Visually-normal – Participant 2



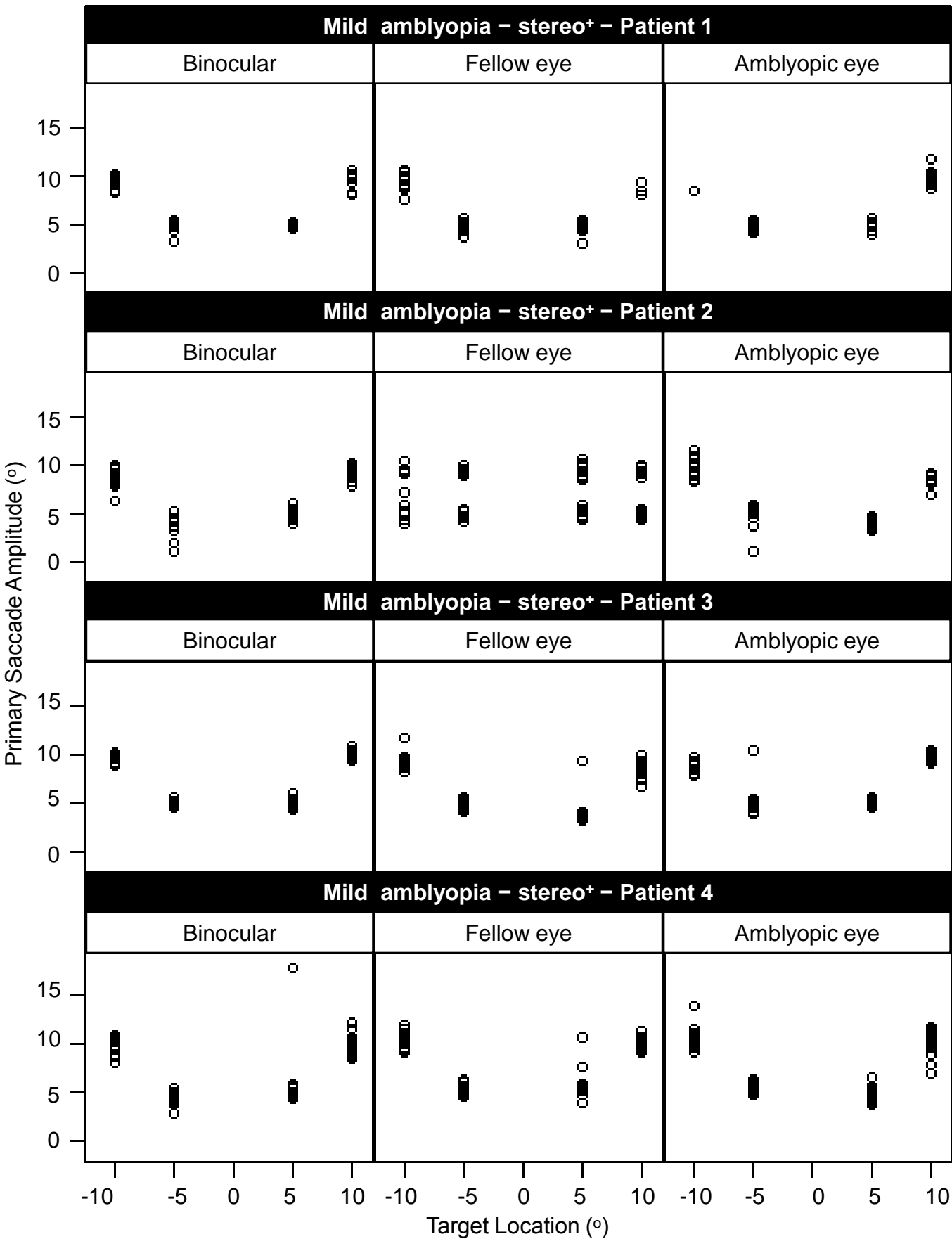
Visually-normal – Participant 3



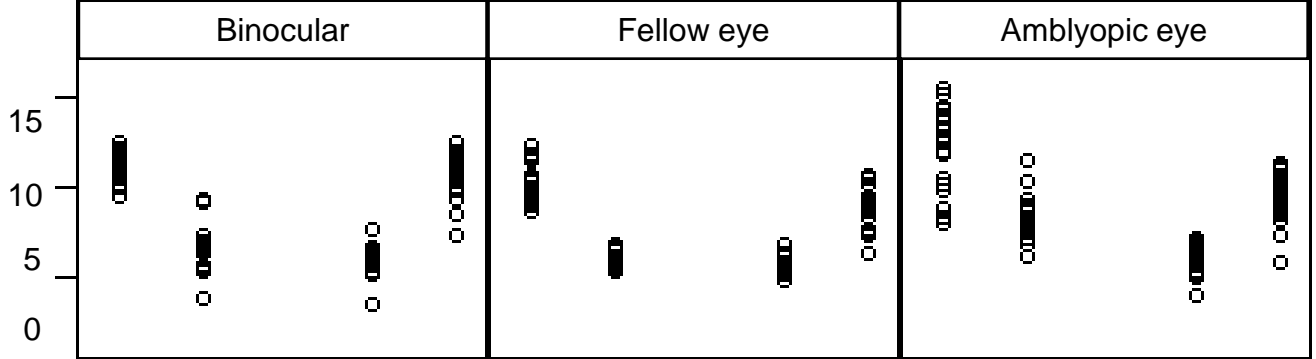
Visually-normal – Participant 4



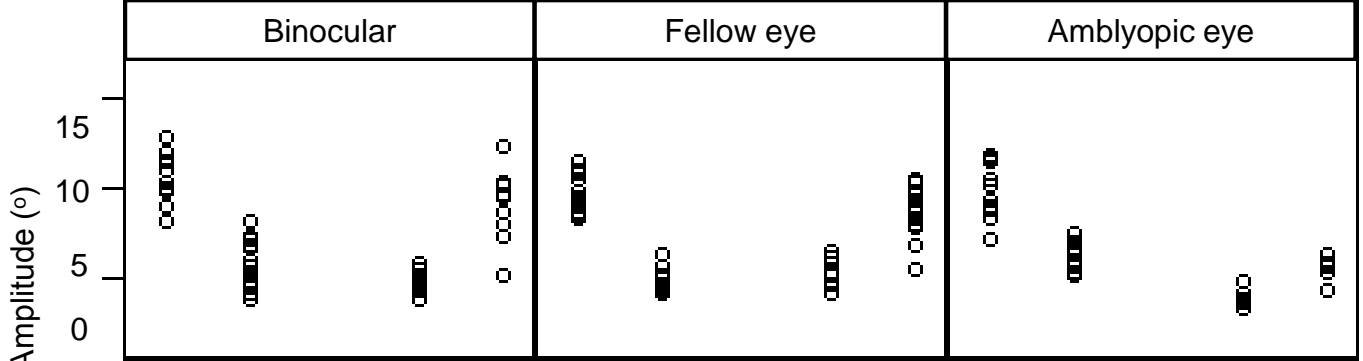
-10 -5 0 5 10 -10 -5 0 5 10 -10 -5 0 5 10
Target Location (°)



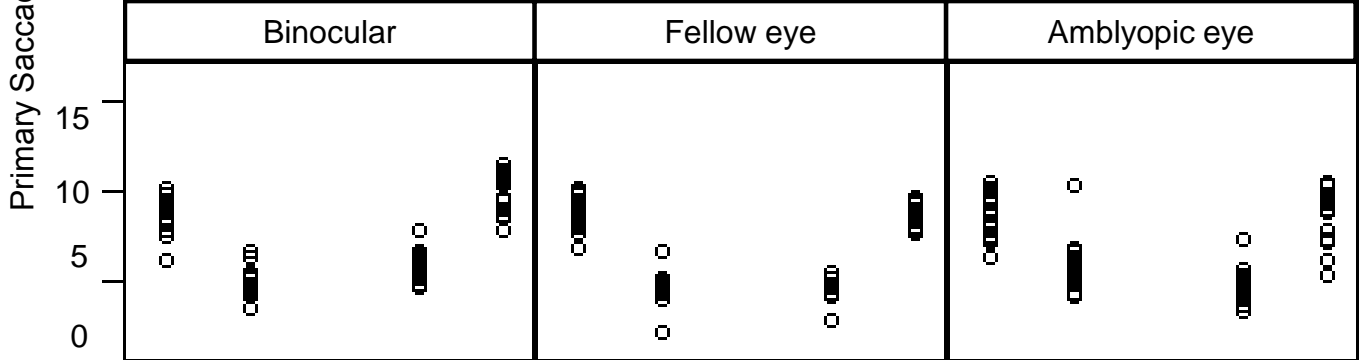
Mild amblyopia – stereo⁻ – Patient 6



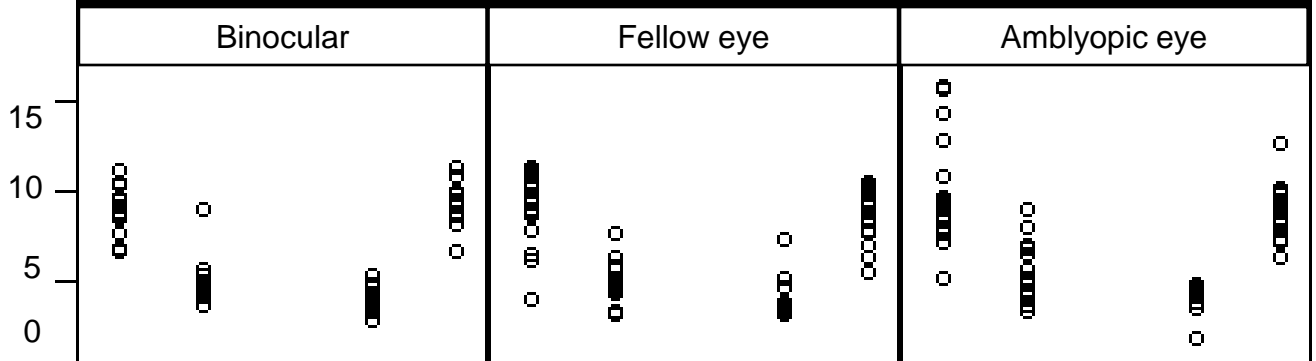
Mild amblyopia – stereo⁻ – Patient 7



Mild amblyopia – stereo⁻ – Patient 8

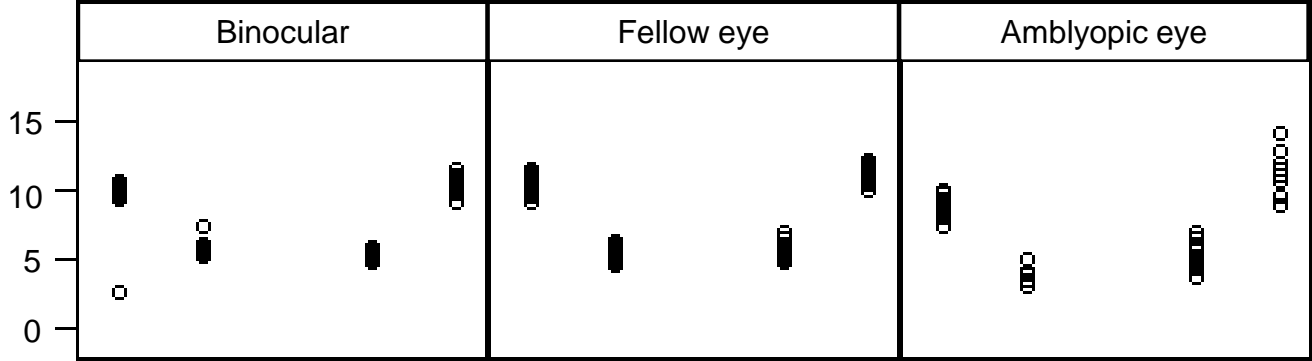


Mild amblyopia – stereo⁻ – Patient 9

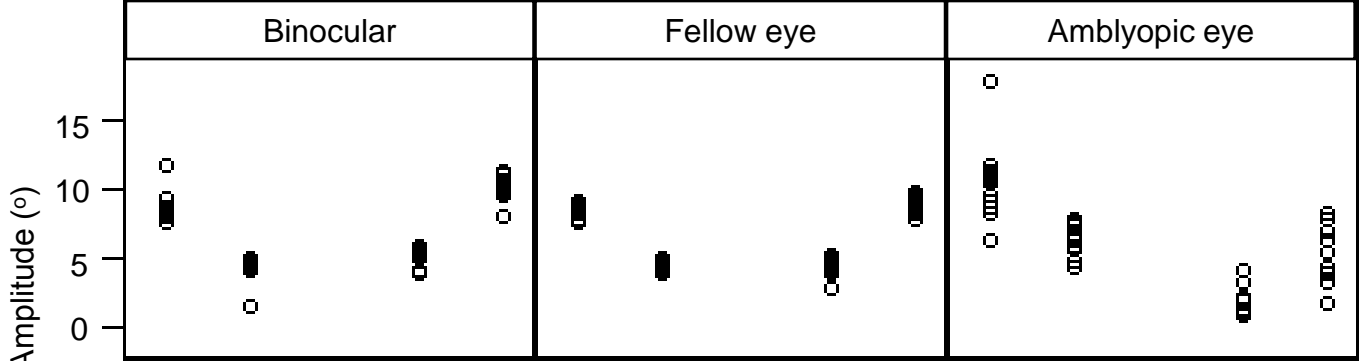


Target Location (°)

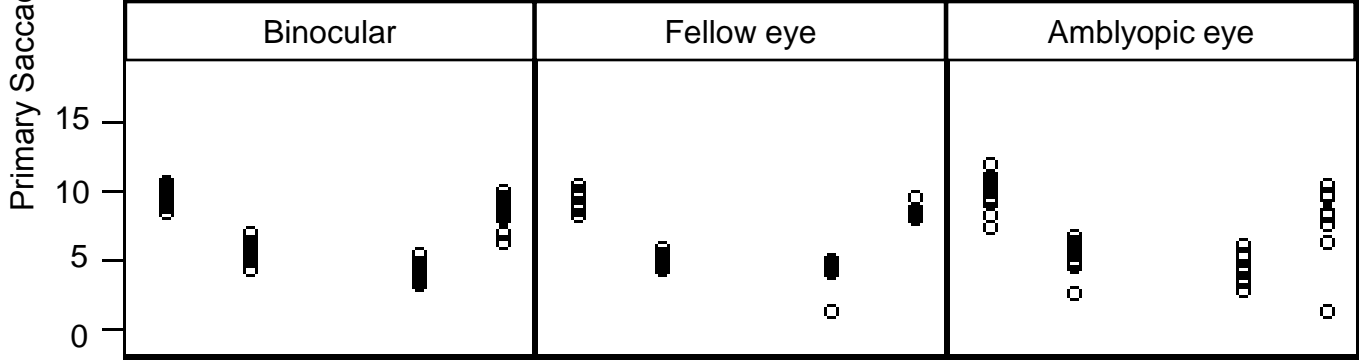
Severe amblyopia – Patient 11



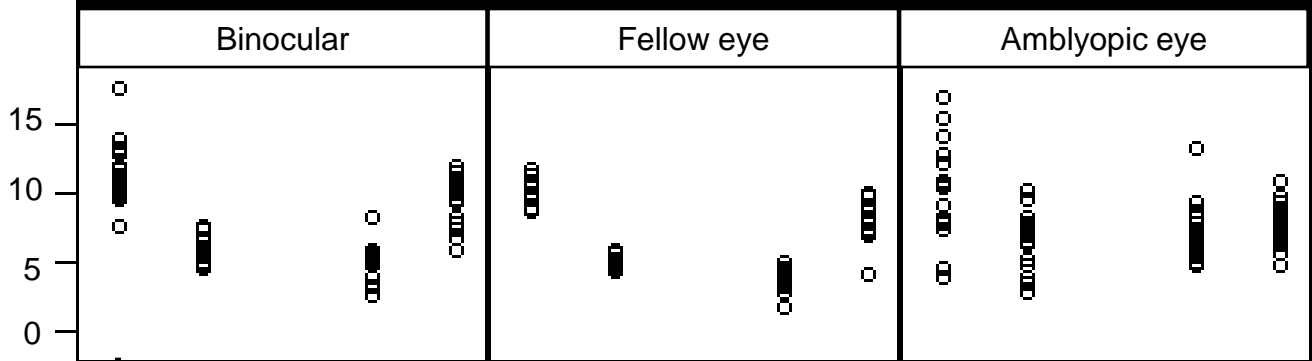
Severe amblyopia – Patient 12



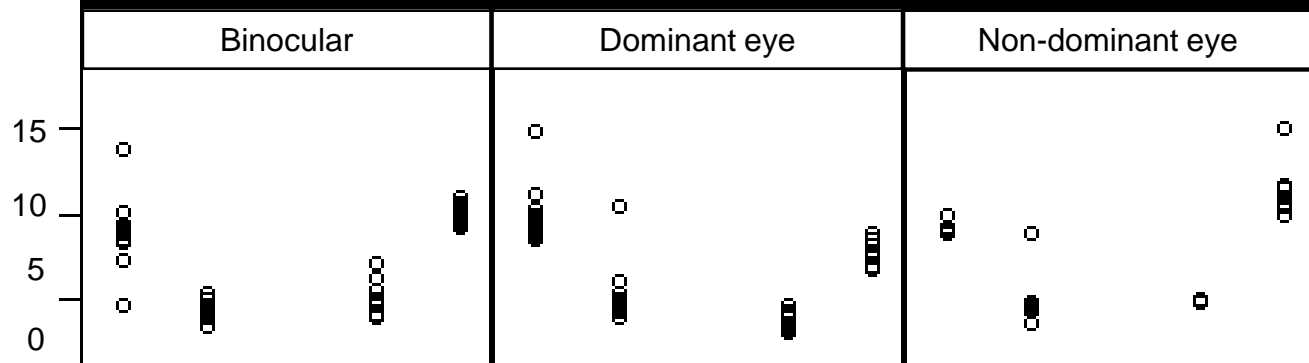
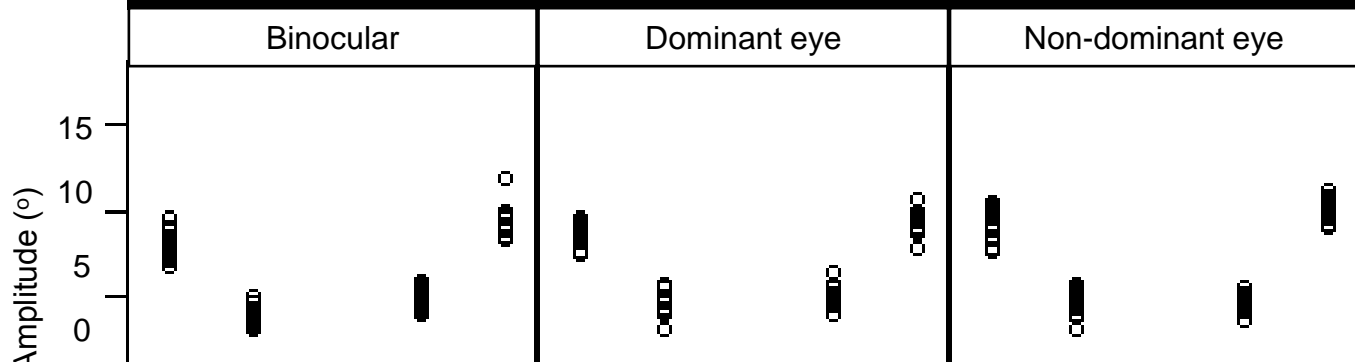
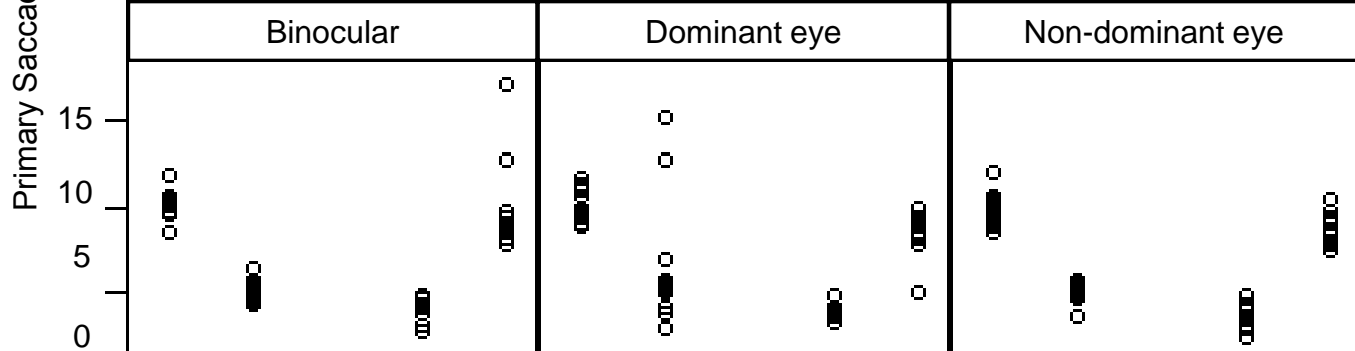
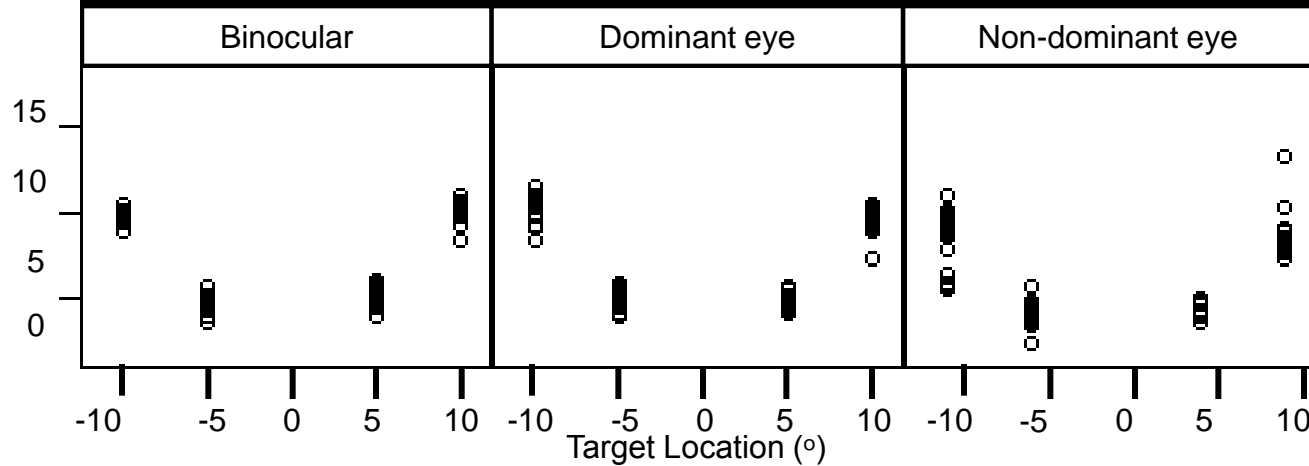
Severe amblyopia – Patient 13



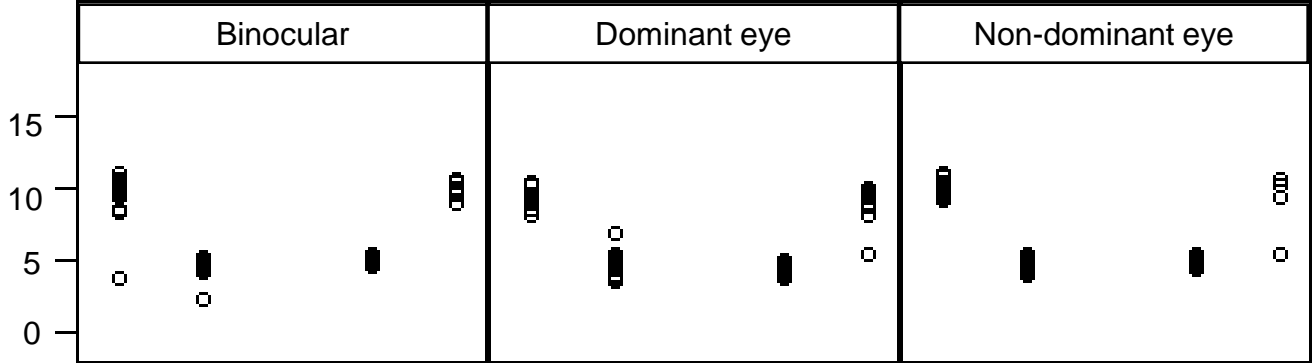
Severe amblyopia – Patient 14



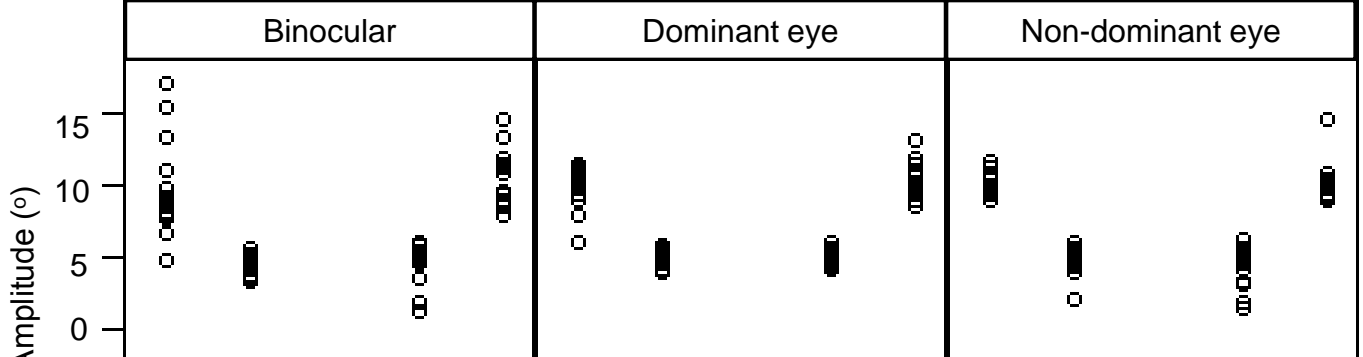
Target Location (°)

Strabismus – stereo+ – Patient 15**Strabismus – stereo+ – Patient 16****Strabismus – stereo+ – Patient 17****Strabismus – stereo+ – Patient 18**

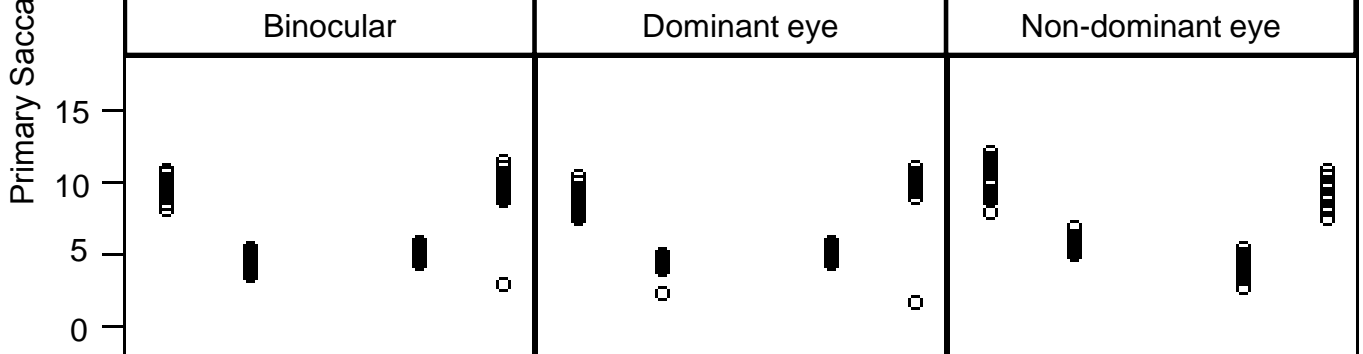
Strabismus – stereo – Patient 19



Strabismus – stereo – Patient 20



Strabismus – stereo – Patient 21



Strabismus – stereo – Patient 22

