

FIGURES LEGENDS

Supplemental eFigure1 Peripapillary and Macular Choroidal Fold Pattern Schematic in the Right and Left Eye of each Crewmember with Choroidal Folds. Bruch's membrane surface roughness indicates the location of peripapillary and macular choroidal folds relative to the optic nerve head (red circle) and fovea (green circle) in both eyes of each crewmember. Peaks in the Bruch's membrane surface layer are represented by positive black marks while troughs are represented by negative light grey marks. Fold pattern schematics for each eye were constructed using the radial scan pattern centered over the optic nerve head and macular raster scan. Letters represent the superior (S), nasal (N), and inferior (I) directions relative to the optic nerve head. Schematics were generated from Bruch's membrane surface roughness and thus markings are representative of choroidal fold pattern.

Supplemental eFigure2 Localized Choroidal Vessel Expansion Coincides with Choroidal Fold Development in the Right Eye of One Crewmember. These example images highlight one instance where the expansion of a large choroidal blood vessel during spaceflight appears to coincide with a region of choroidal fold development, though the timing of these changes relative to each other is unknown and may be concomitant. It is important to note that this isolated observation is not exclusively representative of the changes within this crewmember, or within the rest of the cohort.

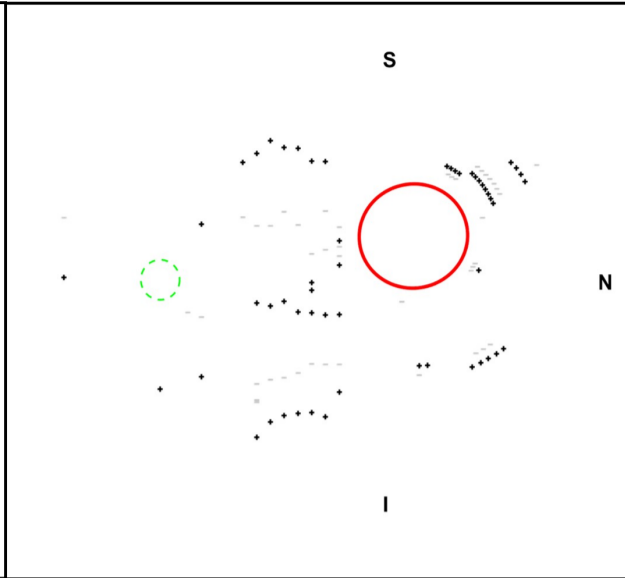
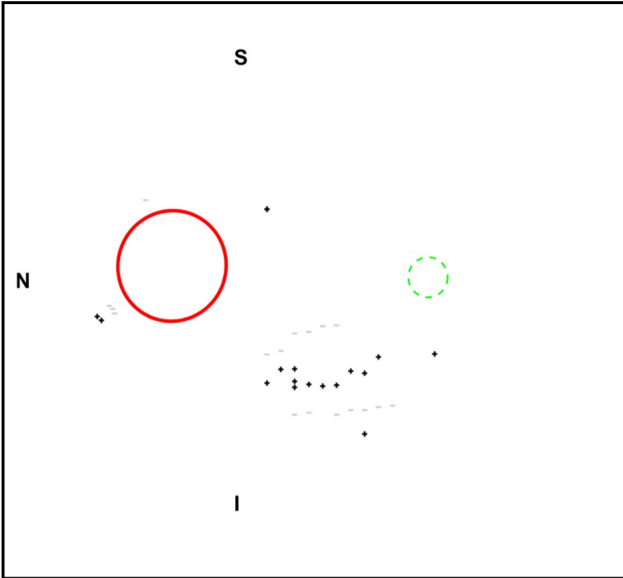
FIGURES

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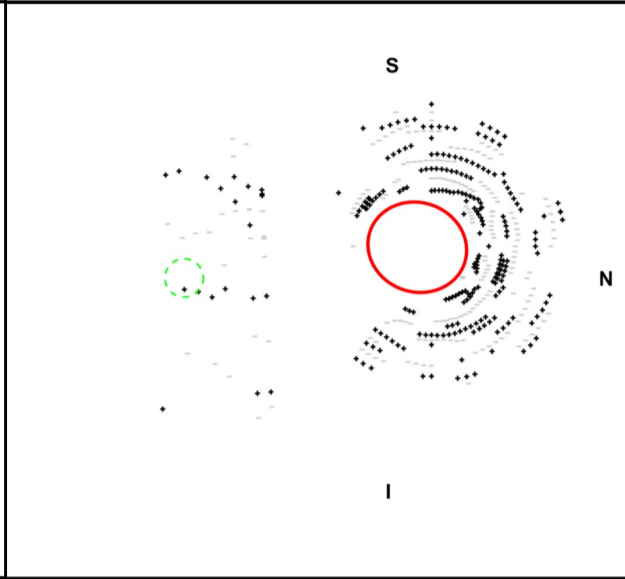
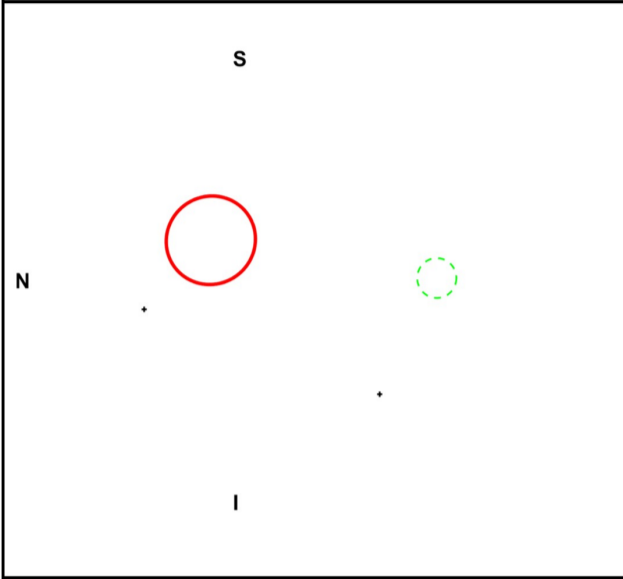
LEFT EYE

RIGHT EYE

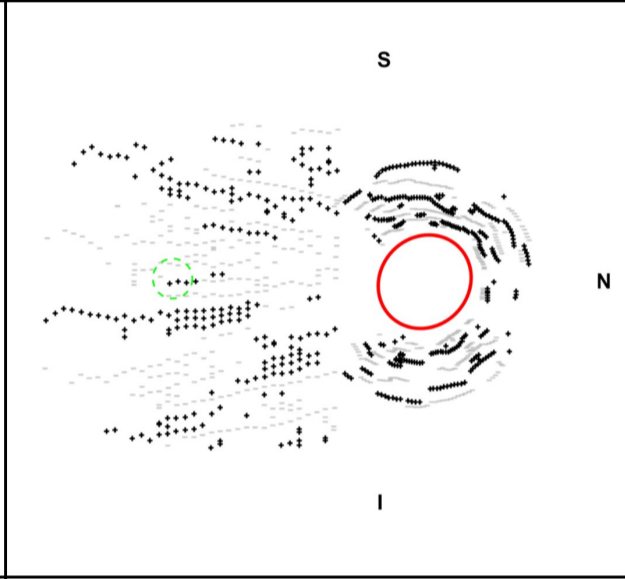
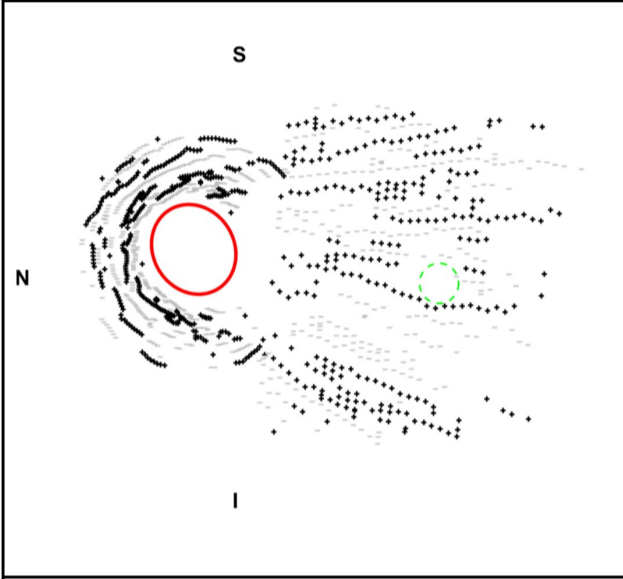
CASE 1



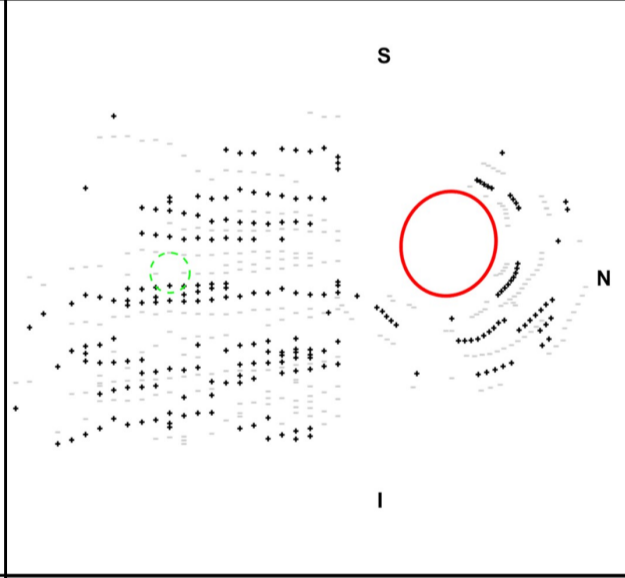
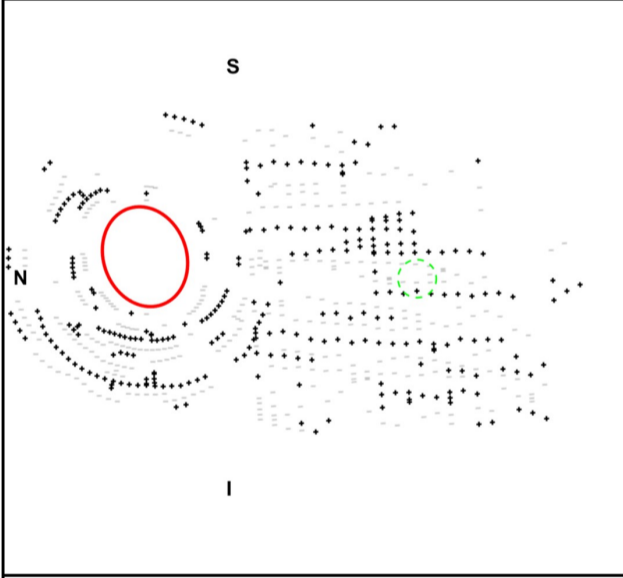
CASE 2



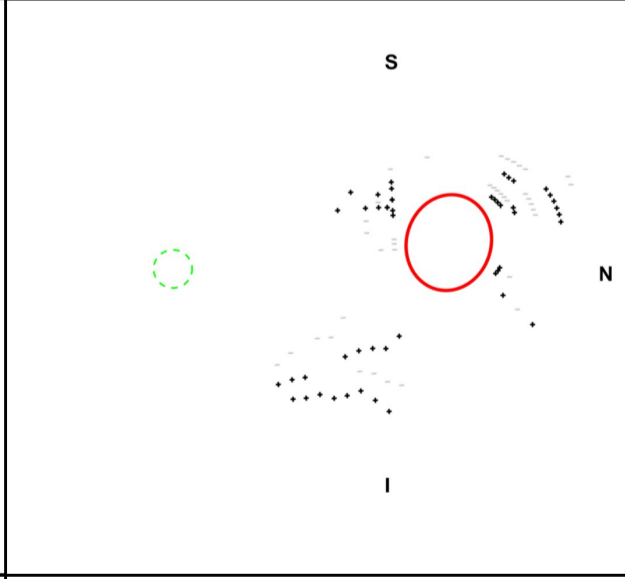
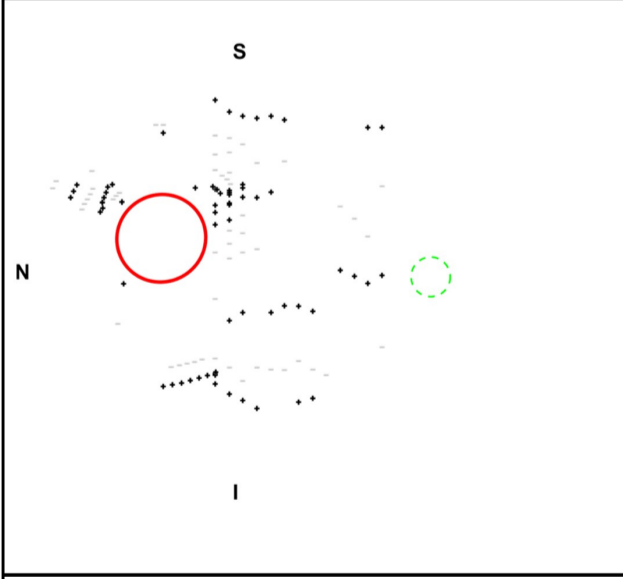
CASE 3



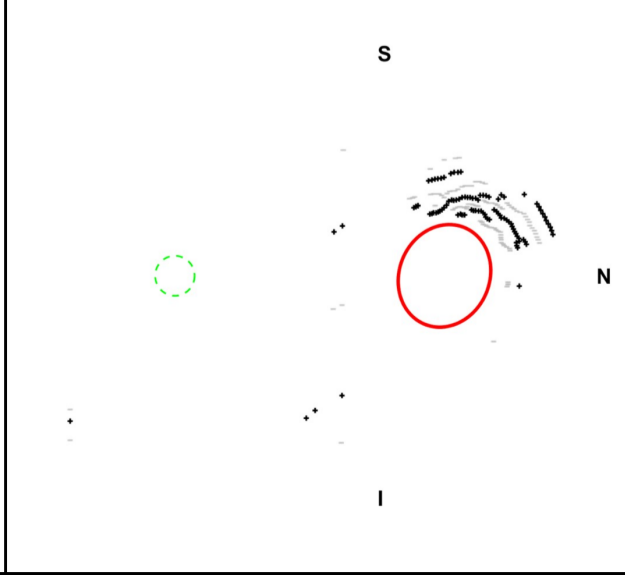
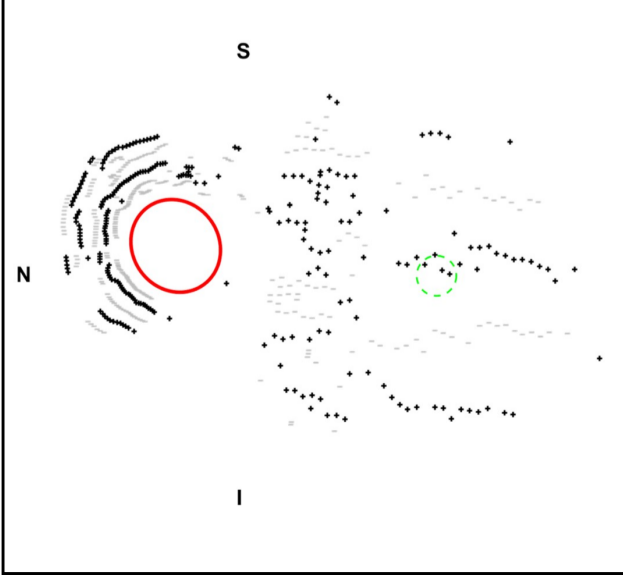
CASE 4



CASE 5

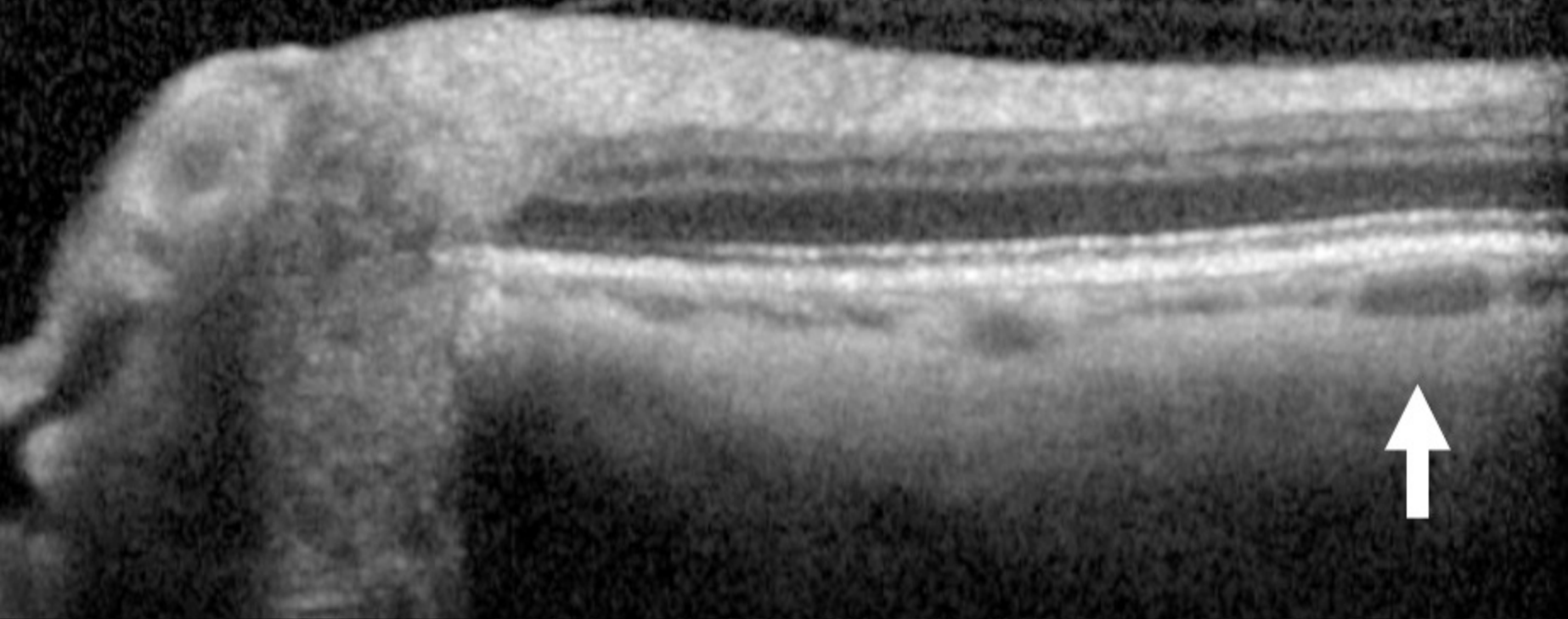


CASE 6



Supplemental eFigure2 Localized Choroidal Vessel Expansion Coincides with Choroidal Fold Development in the Right Eye of One Crewmember.

BEFORE FLIGHT



DURING FLIGHT

