Weighted marginal PDFs x = 162SH 2019-05-02 granule: 05160312 Marginal PDF group1 Marginal PDF group2 5.0 5.0 2.5 2.5 Marginal PDF group3 Weighted mean over group & wavenumber 5.0 2.5 2.5 0.0  $-\pi/2$  $-\pi/4$  $\pi/4$  $\pi/2$  $-\pi/2$  $-\pi/4$  $\pi/4$  $\pi/2$ Angle (rad) Angle (rad) Final angle PDF 2 -π/2  $-\pi/4$ π/4  $\pi/2$ Angle (rad)