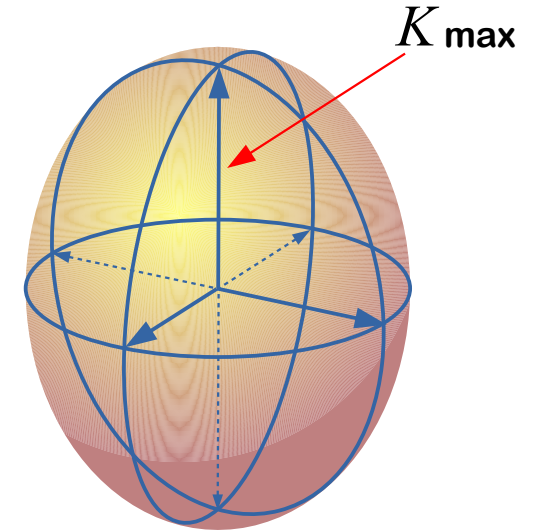
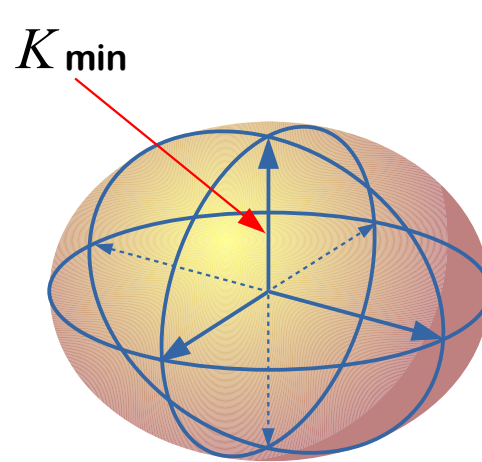
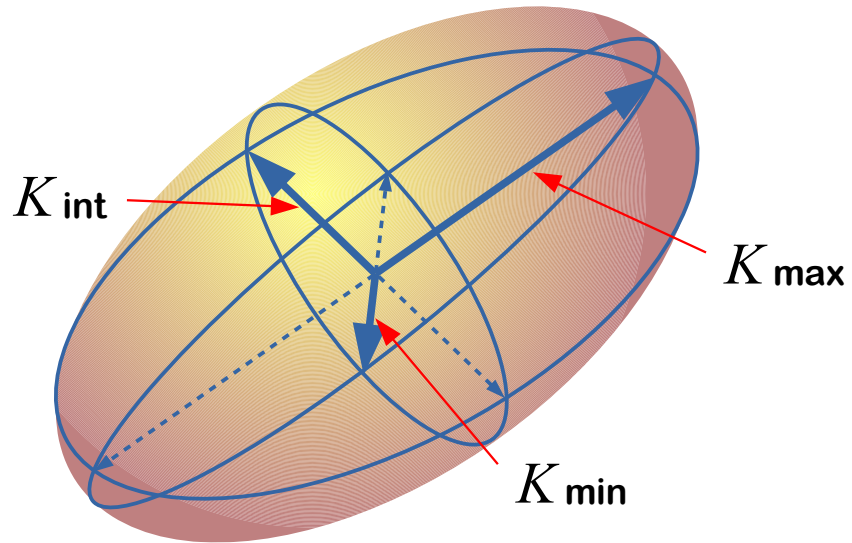


induced magnetization = magnetic susceptibility · magnetic field

AMS := Anisotropy of Magnetic Susceptibility



$$\vec{M} = k \cdot \vec{H}$$

oblate :
 $K_{\min} < 1 < K_{\text{int}} \leq K_{\max}$

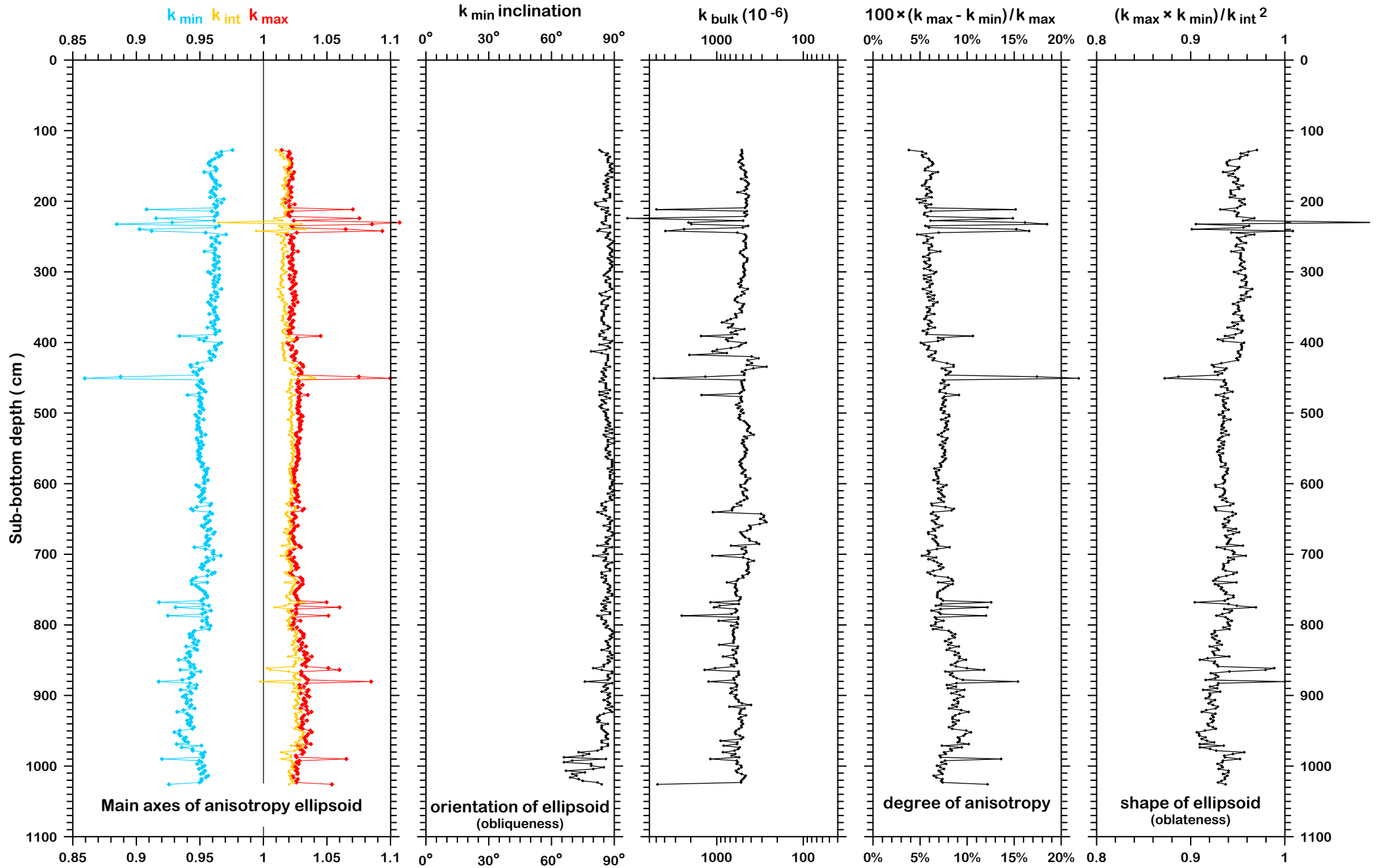
prolate :
 $K_{\min} \leq K_{\text{int}} < 1 < K_{\max}$

degree (AMS) := $100 \times (K_{\max} - K_{\min}) / K_{\max}$

$$\begin{pmatrix} M_x \\ M_y \\ M_z \end{pmatrix} = \begin{pmatrix} k_{xx} & k_{yx} & k_{zx} \\ k_{xy} & k_{yy} & k_{zy} \\ k_{xz} & k_{yz} & k_{zz} \end{pmatrix} \begin{pmatrix} H_x \\ H_y \\ H_z \end{pmatrix}$$

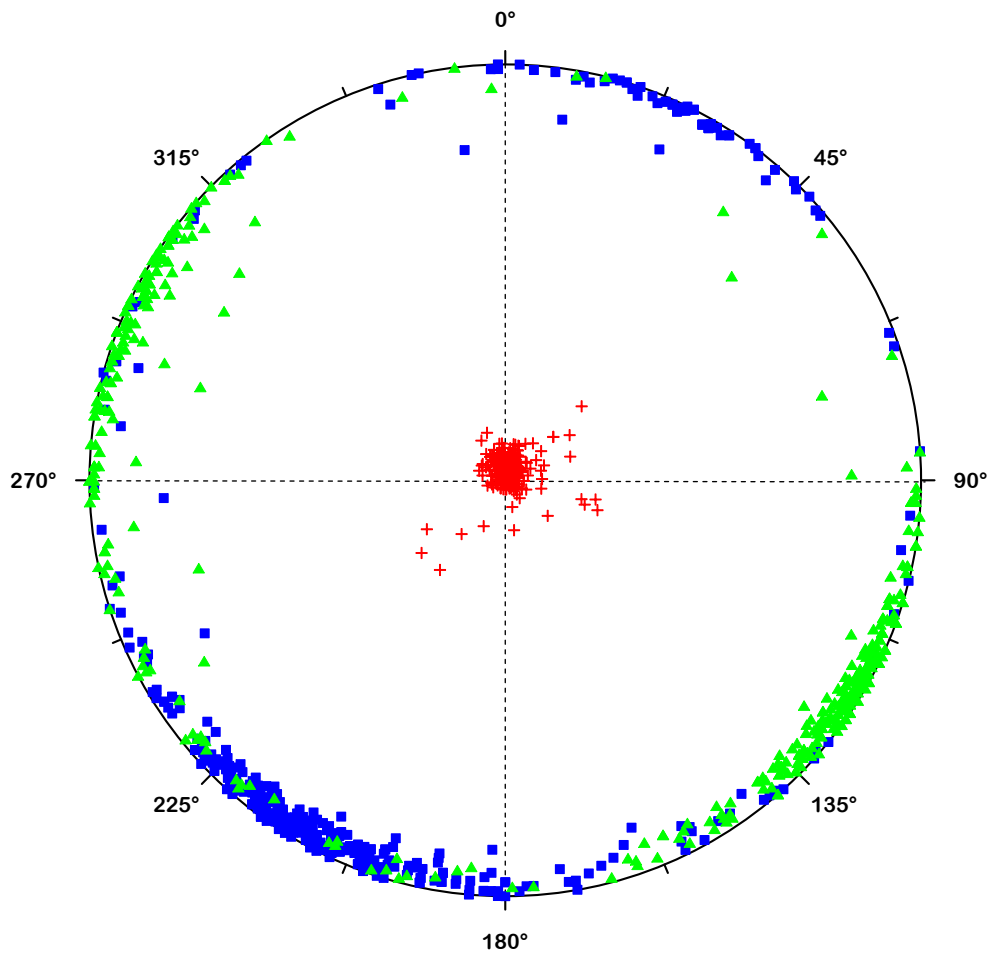
shape (AMS) := $(K_{\max} \times K_{\min}) / K_{\text{int}}^2$
 shape < 1 : oblate
 shape > 1 : prolate

MSM 33-51-3

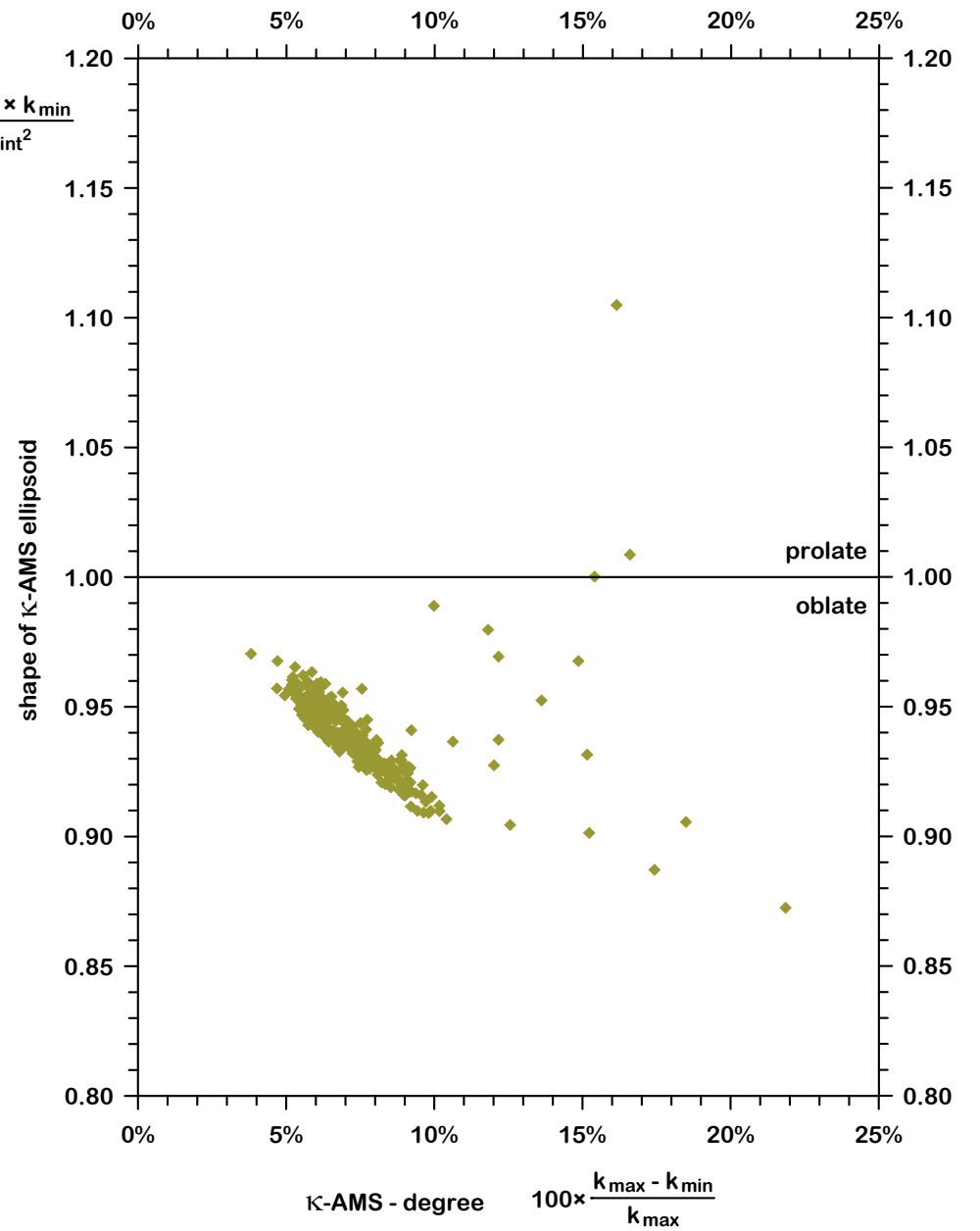


Core MSM33-51-3 GC

κ -AMS - orientation



+ k_{min} \blacktriangle k_{int} \blacksquare k_{max}



κ -AMS - degree $100 \times \frac{k_{max} - k_{min}}{k_{max}}$