





-  REE  $\text{PO}_4$  (own data, Smithsonian reference sample, Spectral Evolution PSR 3500)
-  REE  $\text{PO}_4$  (published in Ropp, 1969)
-   $\text{CePO}_4$  (published in Chen et al. 2014)
-  REE $_2\text{O}_3$  (USGS spectral library, only  $\text{Tb}^{3+}$  given as  $\text{TbCl}_3$ , Kokaly et al. 2017)