

FIGURES of Allaz, Maeder, Vannay & Steck (2006)

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Hereunder is the list and a short description of each pictures (all concerning the aluminosilicate-bearing quartz vein from Alpe Larecc (Central Alps). For complete description, please, refer to the publication! For more information, contact one of the two main authors (maederx@uni-mainz.de or jallaz@geo.unibe.ch)!

Xavier Maeder & Julien Allaz

LIST OF FIGURES... (all are ".jpg" files)

Fig6a	Outcrop of micaschist and aluminosilicate vein cutting schistosity
Fig6b_large	Outcrop of aluminosilicate vein in boudin neck of an older quartz vein
Fig6b_zoom	Zoom in the centre part of fig. 6b (zone of aluminosilicates)
Fig6c	Kyanite from vein oriented parallel to schistosity
Fig6d	Vein containing andalusite and kyanite in fan shape with biotite-rich border
Fig6e	Microphotography of kyanite in fan shape included in large andalusite blast
Fig6f	Microphotography of a relic of kyanite in a large andalusite blast
Fig6g	Rod of kyanite with a side partially replaced by andalusite, the whole enclosed in quartz and plagioclase
Fig6h_LN	Microphotography showing relation between kyanite and muscovite in an aluminosilicate vein
Fig6h_LP	Same as fig. 6h, cross-polarised light
Fig6i	Microphotography of kyanite and staurolite from an aluminosilicate vein found enclosed in staurolite-rich metapelite (host rock)
Fig6i_large	Same as fig. 6i, entire thin section (about 2cm / 4cm)
Fig7a	X-ray mapping of Mg in andalusite (dark blue = kyanite or mix kyanite-andalusite, light blue = border of andalusite, green = Mg-rich external core, red = Mg-rich internal core)

And some "plus"... (all are ".jpg" files)

Conc_Bt	Cutted rock sample showing biotite-rich zone in border of a kyanite-plagioclase-bearing quartz vein
Conc_Bt-Grt-St	Border zone of an andalusite-bearing vein, enriched in biotite, muscovite, staurolite and garnet (this last one is inherited from host rock, see "MnCa-Grt_L060")
Conc_Bt-Ms	Border zone of a quartz vein, enriched in biotite with some muscovite
Mg_And-L014	X-ray mapping of Mg in andalusite (dark blue = border of andalusite blast, light blue = Mg-rich core). Scale bar is 200 micrometers-long.
Mg_And-L050	X-ray mapping of Mg in andalusite (dark blue = border of andalusite blast, light blue to green = Mg-rich core). Scale bar is 200 micrometers-long. Ky are visible in the top-left and bottom-right corners (deep dark blue coloured)
Mg_And-L060	X-ray mapping of Mg in andalusite (dark blue = border of andalusite blast, light blue to green = Mg-rich core, rosa = biotite). Scale bar is 200 micrometers-long.
MnCa-Grt_L060	X-ray mapping of Mn and Ca in garnet from border zone of a vein. A clear increase of Mn in border and in cracks accompanied by reduction in Ca are good signs of garnet resorption. Thus, this mineral do not crystallize during vein opening but its material (Ca, Al and probably Fe and Mg) is diffused and used during vein formation. The garnet analysed is one of the garnet shown in figure "Conc-Bt-Grt-St" (the largest one, upper right corner). Scale bar is 100 micrometers-long.
Kink_Ky	Example of a kinked kyanite from an aluminosilicate bearing vein

(These last figures are not officially published, but are good complements to figure 6 and 9 ;-)