

**Errata for “Cohomology of Arithmetic Families of (φ, Γ) -modules”
(as of September 14, 2014)**

• **Remark 2.2.16** (pointed out to us by Rebecca Bellovin) The statement that “[Conjecture 2.2.15] is also known for the essential image of the functor \mathbf{D}_{rig} ” is not quite accurate. That would become true if we weakened Conjecture 2.2.15 by only requiring the conclusion after replacing K with an unspecified finite extension (because this is needed to ensure that a free representation turns into a free (φ, Γ) -module; see the technical definition of L just before Proposition 4.2.8 of the paper “Familles de représentations de de Rham et monodromie p -adique” of L. Berger and P. Colmez).

• **Theorem 6.3.9** paragraph 2 of the proof, line 2-3, remove “(resp. $[-1, 2]$)”, i.e. $C_{\varphi, \gamma_K}^\bullet(M^\vee(\delta)/t_\sigma)$ is quasi-isomorphic to some complex of locally free coherent sheaves concentrated in degree $[0, 2]$ (as opposed to just $[-1, 2]$); this is exactly the statement of Corollary 6.3.3.