Sonic Visualiser - Bug #1761 Audio file reader tests still not quite right

2016-12-02 09:23 AM - Chris Cannam

Priority:	New	Start date:	2016-12-02
Filolity.	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version	n:		
Description			
The svcore aud	dio file reader tests have logic like th	is:	
- take a test	signal		
- encode it ı	using the various (mostly lossy) enco	oders and store the test file in the rep	0
- for the test	t itself, decode the test file and comp	pare with the original test signal	
The problem is	that the test signal is very artificial a	and perceptually motivated lossy enc	oders don't necessarily produce a signal that is
all that similar t	to it. So our naive comparisons are t	too loose and therefore a bit rubbish.	
A better (and s	impler to do) approach would be		
A better (and s - take a test			
- take a test	signal	oders and store the test file in the rep	0
 take a test encode it u 	signal using the various (mostly lossy) enco	•	o ded audio "manually" to make sure the signal
 take a test encode it u decode ea 	signal using the various (mostly lossy) enco	decoder application, check the deco	
 take a test encode it i decode ea looks and sour 	signal using the various (mostly lossy) enco the of those test files using a trusted	decoder application, check the deco	
 take a test encode it t decode ea looks and sour store the c 	signal using the various (mostly lossy) encource the of those test files using a trusted nds sensible, has low noise, no offse decoded versions in the repo	decoder application, check the deco	ded audio "manually" to make sure the signal
 take a test encode it t decode ea looks and sour store the c for the test 	signal using the various (mostly lossy) encours of those test files using a trusted ads sensible, has low noise, no offse decoded versions in the repo t itself, decode the test file and comp	decoder application, check the deco	ded audio "manually" to make sure the signal