LERoSI Module Unit Tests - 2018/02/01

```
FILE: LERoSI Module Unit Tests
NAME: test/results/20180201-13.11.00.test.txt
DATE: 2018/02/01
TIME: 13:11:09
 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

[Suite] Group of tests
PNG Loaded Shape: [203, 258, 4]
Write BMP from PNG: true
Write PNG from PNG: true
Write JPEG from PNG: true
Write HDR from PNG: true
BMP Loaded Shape: [203, 258, 3]
Write BMP from BMP: true
Write PNG from BMP: true
Write JPEG from BMP: true
Write HDR from BMP: true
JPEG Loaded Shape: [203, 258, 3]
Write BMP from JPEG: true
Write PNG from JPEG: true
Write JPEG from JPEG: true
Write HDR from JPEG: true
HDR Loaded Shape: [203, 258, 3]
Write HDR from HDR: true
Scale for the rest of the formats
Write BMP from HDR: true
Write PNG from HDR: true
Write JPEG from HDR: true
HDR Loaded Shape: [203, 258, 3]
Writing HDR to memory to read back.
Success!
Scale for the rest of the bitmap test
Write BMP from second HDR: true
  [OK] Image I/O (Internal)
Properties of 'test/sample.png':
  channelLayoutLen:  4
  channelLayoutName: ChLayoutRGBA
  channels:          [ChIdR, ChIdG, ChIdB, ChIdA]
  width:             258
  height:            203
Write BMP from PNG: true
Write PNG from PNG: true
Write JPEG from PNG: true
Properties of 'test/samplepng-out.bmp':
  channelLayoutLen:  3
  channelLayoutName: ChLayoutRGB
  channels:          [ChIdR, ChIdG, ChIdB]
  width:             258
  height:            203
Write BMP from BMP: true
Write PNG from BMP: true
Write JPEG from BMP: true
Properties of 'test/samplepng-out.jpeg':
  channelLayoutLen:  3
  channelLayoutName: ChLayoutRGB
  channels:          [ChIdR, ChIdG, ChIdB]
  width:             258
  height:            203
Write BMP from JPEG: true
Write PNG from JPEG: true
Write JPEG from JPEG: true
Success!
  [OK] Image LDR I/O (User)
```

LERoSI Module Unit Tests - 2018/02/01

```
Testing ChLayoutRGBA:
ChLayoutRGBA.len = 4
ChLayoutRGBA.channels = [ChIdR, ChIdG, ChIdB, ChIdA]
ChLayoutRGBA.ChR = 0 and ChLayoutRGBA.channel(ChIdR) = 0
ChLayoutRGBA.ChG = 1 and ChLayoutRGBA.channel(ChIdG) = 1
ChLayoutRGBA.ChB = 2 and ChLayoutRGBA.channel(ChIdB) = 2
ChLayoutRGBA.ChA = 3 and ChLayoutRGBA.channel(ChIdA) = 3
Testing ChLayoutBGRA:
ChLayoutBGRA.len = 4
ChLayoutBGRA.channels = [ChIdB, ChIdG, ChIdR, ChIdA]
ChLayoutBGRA.ChR = 2 and ChLayoutBGRA.channel(ChIdR) = 2
ChLayoutBGRA.ChG = 1 and ChLayoutBGRA.channel(ChIdG) = 1
ChLayoutBGRA.ChB = 0 and ChLayoutBGRA.channel(ChIdB) = 0
ChLayoutBGRA.ChA = 3 and ChLayoutBGRA.channel(ChIdA) = 3
Testing ChLayoutYCbCr:
ChLayoutYCbCr.len = 3
ChLayoutYCbCr.channels = [ChIdY, ChIdCb, ChIdCr]
ChLayoutYCbCr.ChY  = 0 and ChLayoutYCbCr.channel(ChIdY)  = 0
ChLayoutYCbCr.ChCb = 1 and ChLayoutYCbCr.channel(ChIdCb) = 1
ChLayoutYCbCr.ChCr = 2 and ChLayoutYCbCr.channel(ChIdCr) = 2
Testing ChLayoutYCrCb:
ChLayoutYCrCb.len = 3
ChLayoutYCrCb.channels = [ChIdY, ChIdCr, ChIdCb]
ChLayoutYCrCb.ChY  = 0 and ChLayoutYCrCb.channel(ChIdY)  = 0
ChLayoutYCrCb.ChCb = 2 and ChLayoutYCrCb.channel(ChIdCb) = 2
ChLayoutYCrCb.ChCr = 1 and ChLayoutYCrCb.channel(ChIdCr) = 1
cmpChannels(ChLayoutRGBA, ChLayoutRGBA) = [0, 1, 2, 3]
cmpChannels(ChLayoutRGBA, ChLayoutARGB) = [3, 0, 1, 2]
cmpChannels(ChLayoutRGBA, ChLayoutRGB) = [0, 1, 2]
cmpChannels(ChLayoutRGBA, ChLayoutBGRA) = [2, 1, 0, 3]
cmpChannels(ChLayoutRGBA, ChLayoutABGR) = [3, 2, 1, 0]
cmpChannels(ChLayoutRGBA, ChLayoutBGR) = [2, 1, 0]
  [OK] Channels and channel layout properties
  [OK] Copy channels
 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
END OF FILE LERoSI Module Unit Tests
```