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Commit 3cb854e

hugovk authored 2 weeks ago · 3 / 53 · Verified

Only read as much data from gzip-decompressed data as necessary (#9521)

main (#9521) · 12.2.0

1 parent 2696e96 commit 3cb854e

1 file changed +12 -11 lines changed

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Filter files...

src/PIL

FitsImagePlugin.py

1 file changed +12 -11 lines changed

Search within code ⚙️

src/PIL/FitsImagePlugin.py

```

@@ -128,17 +128,18 @@ class FitsGzipDecoder(ImageFile.PyDecoder):
128 128
129 129     def decode(self, buffer: bytes | Image.SupportsArrayInterface) ->
      tuple[int, int]:
130 130         assert self.fd is not None
131 -         value = gzip.decompress(self.fd.read())
132 -
133 -         rows = []
134 -         offset = 0
135 -         number_of_bits = min(self.args[0] // 8, 4)
136 -         for y in range(self.state.ysize):
137 -             row = bytearray()
138 -             for x in range(self.state.xsize):
139 -                 row += value[offset + (4 - number_of_bits) : offset + 4]

```

```
140 -         offset += 4
141 -         rows.append(row)
131 +         with gzip.open(self.fd) as fp:
132 +             value = fp.read(self.state.xsize * self.state.ysize * 4)
133 +
134 +             rows = []
135 +             offset = 0
136 +             number_of_bits = min(self.args[0] // 8, 4)
137 +             for y in range(self.state.ysize):
138 +                 row = bytearray()
139 +                 for x in range(self.state.xsize):
140 +                     row += value[offset + (4 - number_of_bits) : offset + 4]
141 +                     offset += 4
142 +                 rows.append(row)
142 143         self.set_as_raw(bytes([pixel for row in rows[::-1] for pixel in row]))
143 144         return -1, 0
144 145
```



Comments 0



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