I just backtraced (bt) after the seg fault. It took me to line 469, which was trying to reference a pointer. I thought the error was probably a NULL pointer exception, so I observed the for loop it was iterating in and made the following change.

Old value = 0

New value = 2

Old value = 2

New value = 248

Old value = 248

New value = 228

Old value = 228

New value = 208

Old value = 208

New value = 188

Old value = 188

New value = 168

Old value = 168

New value = 169

Old value = 169

New value = 149

Old value = 149

New value = 129

Old value = 129

New value = 180

Old value = 180

New value = 160

Old value = 160

New value = 140