



S–lang–related Bugs: get_bmcounts_sum

Bugs

1. *Problems calculating flux and counts over a range.*

The behavior described in this bug applies to the following commands:

- ◆ `[B]EFLUX`,
- ◆ `[B]PFLUX`,
- ◆ `[B]DCOUNTS`,
- ◆ `[B]MCOUNTS`,
- ◆ and the corresponding "get" commands (e.g. `get_eflux`).

Given $x > 0$:

1. `"EFLUX (0 : x)"` returns the same value as `"EFLUX"` (i.e. the flux over the full range of the dataset), when it should return the flux integrated from the start of the dataset to x .
2. `"EFLUX (x : 0)"` returns the same value as `"EFLUX (x)"`. This should return an error since $x > 0$, so the range isn't sensible.

Workaround:

replace 0 with a small decimal, e.g. 0.001. Then case 1 gives the correct answer (flux from the start of the dataset to x), and case 2 gives 0 (which at least tells you that you did something wrong).

The Chandra X–Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL: http://cxc.harvard.edu/sherpa3.4/bugs/sl_get_bmcounts_sum.html

Last modified: 21 September 2006

S-lang-related Bugs: get_bmcounts_sum – CIAO 3.4