



S–lang–related Bugs: get_mcounts_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).

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