On Mon, 17 Nov 2008 13:40:45 -0800 (PST), Keflavich
<keflavich@gmail.com> wrote:

>   Does anyone know how to implement this algorithm using a median
> stack of each pixel instead of simply adding / averaging?

The 'dual histogram loop' approach to drizzling, which you use, loops
over the index-frequencies and not over the index-values like e.g. the
'single histogram' loop does. In the first case, intermediate results
(partial sums) are calculated each iteration while in the second case,
final results (total sums) are calculated each iteration.

As far as I know, there is no 'intermediate' median (i.e. the
equivalent to a partial sum). So maybe the single histogram loop is
what you need:

```
data=[1,2,3,4,5]
inds=[4,4,1,2,1]

mx=max(inds)
vec3=fltarr(mx+1)
h=histogram(inds,reverse_indices=ri,OMIN=om)
for j=0L,n_elements(h)-1 do if ri[j+1] gt ri[j] then $
    vec3[j+om]=median(data[ri[ri[j]:ri[j+1]-1]])
```

Does this help?