Again me.

i've looked at the source code of VELOVECT.PRO and there are some things
I find suprising.

1)
PRO VELOVECT,U,V,X,Y, Missing = Missing, Length = length, Dots = dots,
$
     Color=color, _EXTRA = extra

that's the 'header'. 'Missing' is written with capital M.
further down it says

if n_elements(missing) le 0 then missing = 1.0e30

isn't IDL type-sensitive?

2) then it says

if n_elements(missing) gt 0 then begin
    good = where(mag lt missing)
    if keyword_set(dots) then bad = where(mag ge missing, nbad)
endif else begin
    good = lindgen(n_elements(mag))
endelse

Strange! this if-block is totally unessesary, i believe how can
'missing' not be greater than 0? if it's not set (or set to a negative
number) in the procedure call, its value is set to 1.0e30 (which is
obviously greater than 0). and if it's set, it's set to a positive
number. so how can it *not* be greater than 0?

any remarks?

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