Notes from reading code 7/29 + 7/30

destripe_ms112.c

- allocate_2d_f is used on RrsS, bufferf1, bufferf2 bowtie
  - RrsS stores Rrs values from bufferf2[nya][i] (in for loop i) LINE 432
  - bufferf1 stores physical values associated with floating point data values in buffer1[iy]
    *buffer1[iy] * 0.001
  - bufferf2 holds Rrs values? because Rrss values come from bufferf2
  - bowtie not used for our purposes.

evaluate_each_nx_ny_value_

int nx0, ny0, nx1, ny1, nx2, ny2, nya, nyb

- nx0 - used as a parameter for read_ms112
  buffer0[nx0 * (ny0-nya) + iy]
  for loop nx0 * nya
  buffer1[nx0 * ny0 + iy]
- ny0 - used as a parameter for read_ms12 used with nya

ny2 = ny0 + ny1 + nyb } total # of rows to destripe

*(ny0+iy) in a lot of places
bufferf2[ny0][i]

- nx1 -
  - RrsS allocated to 2df (ny1 * nx1) for rows
  - nx1 used as # of columns for bufferf1, bufferf2, binary-M, bawtie
  - used in malloc for buffer1
  - * nx1 * ny2 used in for loop for changing vals for buffer1
  - * used nx1 * ny1 for for loop in filling in RrsS
- parameter for read-ms112
  - ny1 - used as a parameter for read-ms112
  - used as a parameter for allocate 2d.
  - used to malloc space into buffer1
  - used to access space in buffer1
  - * used nx1 * ny1 for for loop in filling in RrsS
  - nx2 - used as a parameter for read-ms112
  - used in for loop to fill buffer1
  - ny2 - used as a parameter for read-ms112.
    - * ny2 is the # of total rows to destripe.
    - ny2 * nx1 is used for for loop to fill buffer1.
  - nya
    - used when reading the data from the previous adjacent granule (if supplied)
  - nyb - same details as nya

Conclusions

* nx0 may be a starting value for x values of the image
* ny0 may be a starting value for y values of the image - used in combination with nya
* nx1, ny1, ny2 seem to define the image more often
* ny1 is both used to malloc and access space in buffer1
* ny2 is a sum of several vars (ny0, ny1, nyb) and is # of rows to destripe.