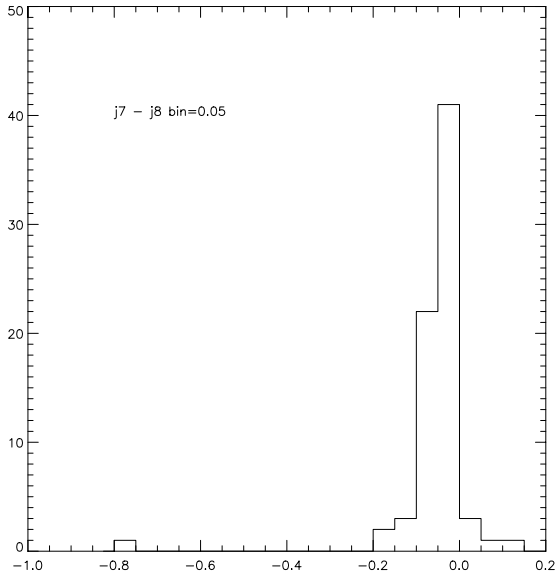
Carina IRSF/SIRIUS Data 2003/04

by WP Chen 2004/4/13

Kaushar sent me a file **j7j8both.txt** which contains the positional and photometric data of stars in the overlapping region of the J-band images between pointing #7 and #8. It contains 74 stars. I wrote a small idl procedure **j7j8both.pro** to read in the data, and plot the histogram of (j7-j8) [mag] as shown below. It is plotted with the U Tubingen routine

i> **plothist, mj1-mj2, bin=0.05**



The single outlier to the left, J1-J2 = -0.769 belongs to the last data entry, #74 (#73 in IDL!).

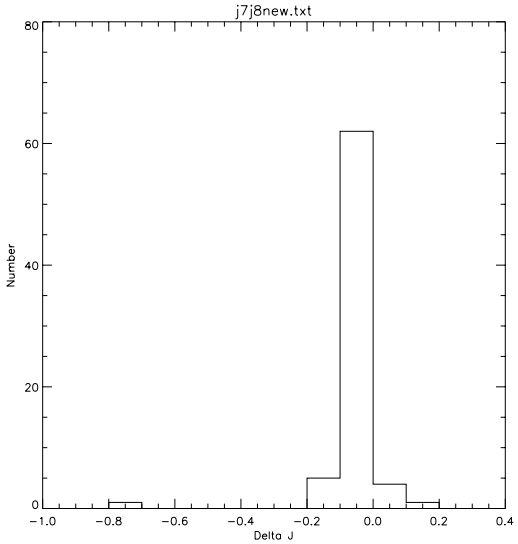
Kaushar sent me (April 13, 2004) a revised file, **j7j8new.txt**, now with 73 stars, which corrects the error in negative declination values and contains double-precision ra and dec in degrees. I also modified my program, now called **compboth.pro** to take care of some double-precision variables. The original second entry in **j7j8both.txt** has been left out from the revision **j7j8new.txt**,

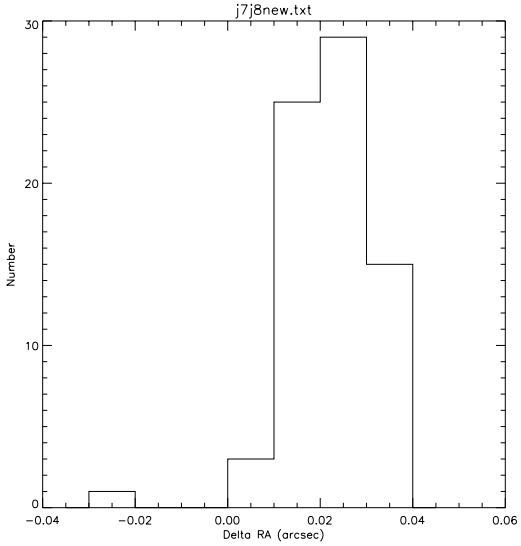
10 45 26.170 -59 50 4.430 161.35904 -58.16544 16.913 0.013
10 45 23.493 -59 50 2.240 161.34789 -58.16604 17.592 0.032

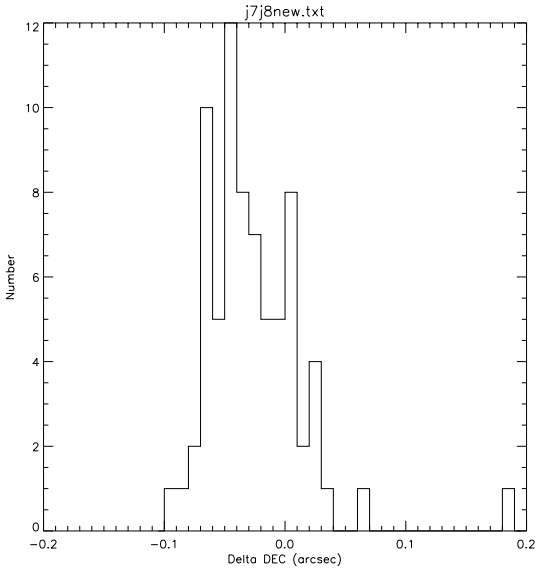
The last entry is still the strangest of all. The RA difference (RAS1-RAS2) is all positive and averages to ~+0.02”, but entry #73 has -0.02. The DEC difference is of the same order, with a naveraged offset of -0.02”. The J-magnitude difference is average to -0.04 mag, except the last entry (#73) which has J1-J2 = -0.769. #73 reads below. It could be a mismatch.

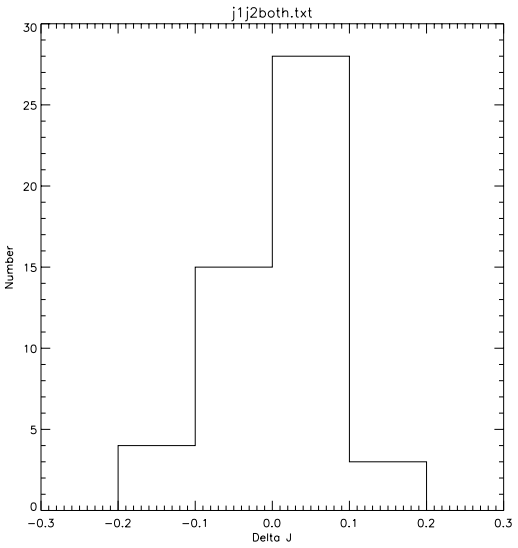
10 45 23.990 -59 43 44.150 161.3499583 -59.7289306 **14.768** 0.243
10 45 24.012 -59 43 44.080 161.3500500 -59.7289111 **15.537** 0.009

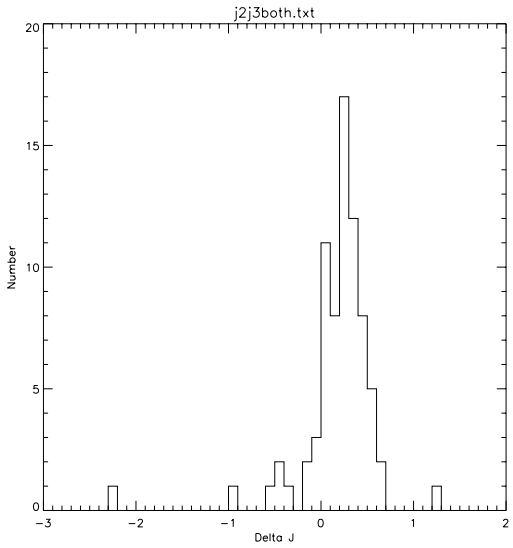
For j7j8 data

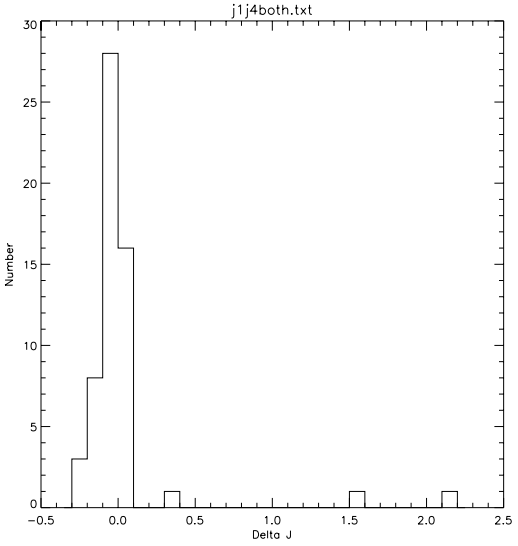


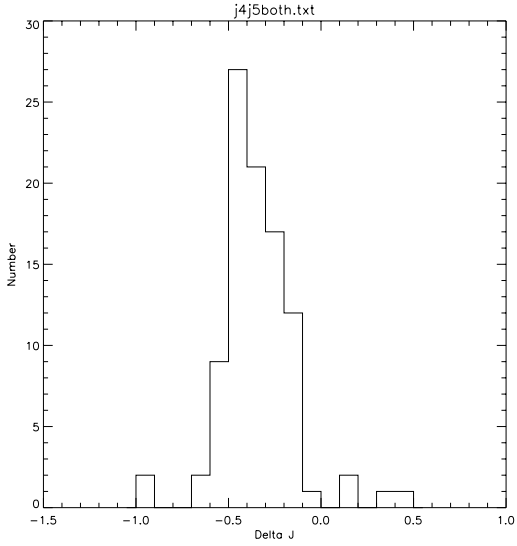


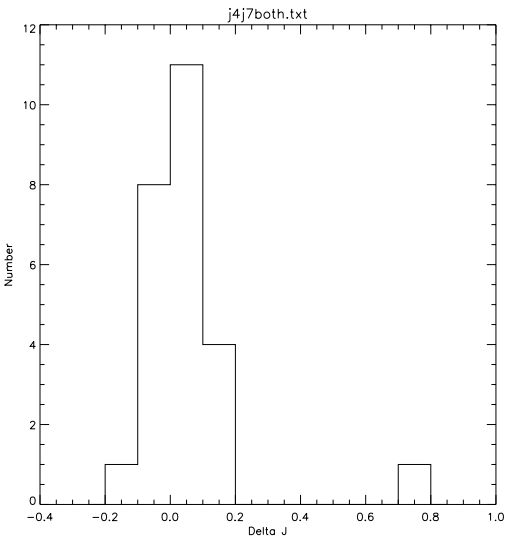


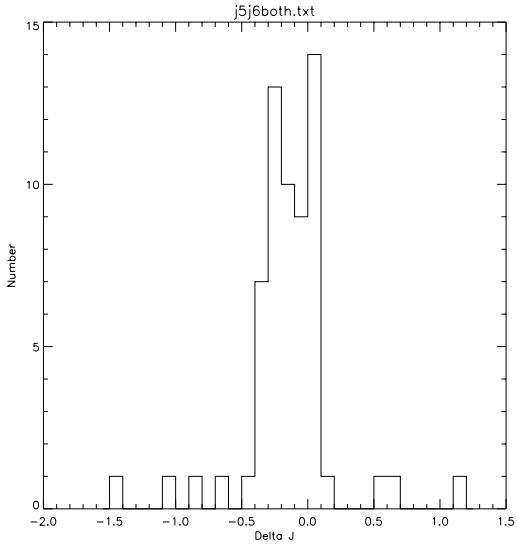

j1j2both.txt
Number
Delta J

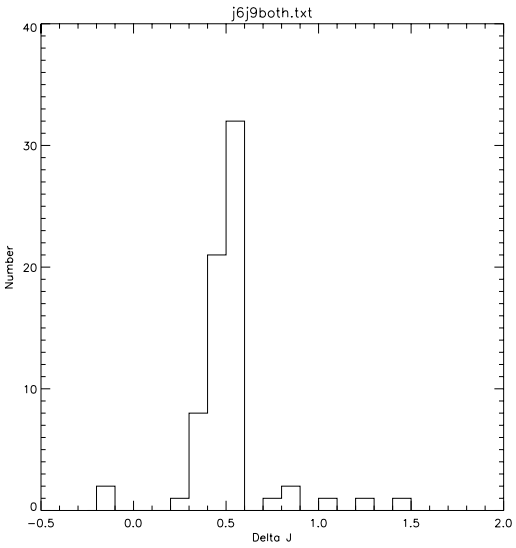

j2j3both.txt
Number
Delta J

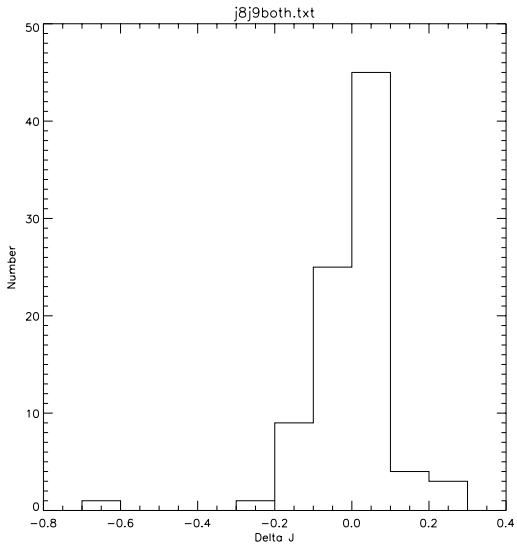

j1j4both.txt
Number
Delta J


j4j5both.txt
Number
Delta J


j4j7both.txt
Number
Delta J


j5j6both.txt
Number
Delta J


j6j9both.txt
Number
Delta J
40
30
20
10
0
−0.5
0.0
0.5
1.0
1.5
2.0


j8j9both.txt
Number
Delta J
50
40
30
20
10
0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
0.4