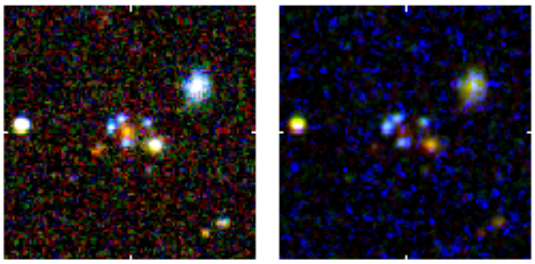
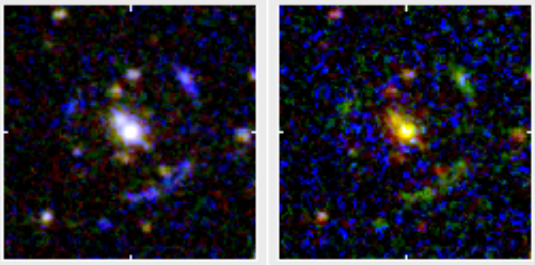
Strong Lens in DES footprint

David Finley January 3 2013

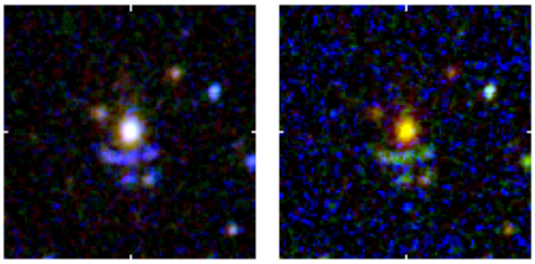
1. Phil Marshall email of January 2, 2013 7:59:52 PM CST gives a link the CASSOWARY list of strong lenses at http://www.ast.cam.ac.uk/ioa/research/cassowary/. Three of them look like this:



CSWA 20
ObjId 587742611340001632
RADec 220.4548069 14.68904854
ugriz L 24.6 25.1 22.7 20.7 20.2
ugriz S 20.1 20.1 19.9 19.9 19.7
No SDSS spectrum
Z_L 0.741[9] Z_S 1.433[9]



CSWA 22 a.k.a. Hall's Arc
ObjId 587727230523080836
RADec 26.73337065 -9.49791496
ugriz L 21.6 20.3 18.5 17.8 17.6
ugriz S 21.0 20.4 19.9 19.2 19.5
SpecObj 187123470625144832
Z_L 0.44[11] Z_S 1.944[18]



CSWA 24 a.k.a. SDSS J151118.73+471340.3
ObjId 587733412060987606
RADec 227.82806483 47.22787249
ugriz L 24.4 20.1 18.4 17.6 17.1
ugriz S 22.9 22.3 23.1 22.2 22.2
SpecObj 295775162215694336
Z_L 0.452[6] Z_S 0.98[6]

2. Table 7 in des docdb 6292 by Jim Annis "The DES Footprint: the change from v11 to Round82" has four sub-footprints for DES one of which (called Round 82) has -3 < RA < 45, -25 < dec < 3.

3. CSWA 22 a.k.a. Hall's Arc is located at **RADec 26.73337065 -9.49791496 .**

Conclusion: This strong lens is located in the DES footprint.