| Parameter (Date: 2001 Sep 20-22 (Massey et al. 2007)) | Color used | Apparent magnitude | Non-corrected absolute mag (m - M = distance modulus = 24.1) | Dereddened absolute mag using optically derived E(B-V) = 0.85 | Dereddened absolute mag using X-ray derived E(B-V) = 1.09 |
| --- | --- | --- | --- | --- | --- |
| M\_U (absolute magnitude) | U-B = -0.259 (-0.87 and -1.04) | 21.806 | -2.294 | -8.52 | -9.59 |
| M\_B (absolute magnitude) | B-V = 1.211 (-0.87 and -1.04) | 21.165 | -2.935 | -7.65 | -8.55 |
| M\_V (absolute magnitude) | given | 19.954 | -4.146 | -6.78 | -7.51 |
| M\_R (absolute magnitude) | V-R =1.043 (0.39 and 0.20) | 18.911 | -5.189 | -7.17 | -7.71 |
| M\_I (absolute magnitude) | R-I = 0.820 (0.10 and -0.095) | 18.091 | -6.009 | -7.27 | -7.615 |

Zero points (Jy) for KPNO telescope: source <http://svo2.cab.inta-csic.es/svo/theory/fps/index.php?&mode=browse&gname=KPNO&gname2=Mosaic>

U: 1681.2

B: 3954.5

V: 3632.0

R: 2945.8

I: 2384.1

giving the

Fluxes from non-corrected apparent magnitudes (mJy):

U: 0.003186

B: 0.0135326

V: 0.0378919

R: 0.0803162

I: 0.138333

Sample calculation: V-band apparent magnitude: 19.954

Flux (mJy) = 10^(-19.954/2.5) \* 3632.0 Jy \* (1000 mJy/ 1 Jy) = 0.03789 mJy

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Zero points (Jy) from Johnson system (source: <http://ssc.spitzer.caltech.edu/warmmission/propkit/pet/magtojy/ref.html>) and resulting fluxes (mJy) from apparent magnitude:

U: 1823 —> 0.00345451

B: 4130 —> 0.0141238

V: 3781 —> 0.0394463

R: 2941 —> 0.0801853

I: 2635 —> 0.152891