Histogram of the Number of Satellite Galaxies at Different R-Magnitude Slices 1.0 1.0 -15 <= rmag < 16 16 <= rmag < 17</p> 8.0 8.0 counts 0.6 counts 0.0 0.2 0.2 -0.0 + 0.0 30 40 -40 20 50 40 60 10 **-**20 0 20 80 100 0 satellites satellites 6 ■ 17 <= rmag < 18 **1**8 <= rmag < 19 15 5 counts . counts 2 5 1 · 0 -50 -50 100 150 -50 100 -150 -100 0 50 0 150 satellites satellites 100 20 <= rmag < 21 19 <= rmag < 20 80 80 counts 04 04 60 40 -20 20 100 200 300 400 -25 25 50 75 100 -100 **-**75 **-**50 0 satellites satellites 5 rmag >= 21 4 counts -10 10 20 30 **-**20 0 40 50

satellites