Histogram of the Number of Satellite Galaxies at Different R-Magnitude Slices 2.0 -1.0 -15 <= rmag < 16 16 <= rmag < 17 8.0 1.5 counts counts 0.6 0.5 0.2 0.0 0.0 -40 -20 80 100 20 40 60 120 -60 0 20 satellites satellites 20 17 <= rmag < 18 **1**8 <= rmag < 19 6 15 counts counts 4 2 · 5 0 -40 **–**25 25 -20 20 60 **-**40 0 80 0 50 75 100 125 150 satellites satellites 50 19 <= rmag < 20 20 <= rmag < 21 80 -40 60 counts 00 00 counts 20 10 0 20 60 -20 0 40 80 100 -20 20 40 60 -40 -40 satellites satellites 5 rmag >= 21 4 counts

10

20

satellites

30

0

-10

40

50