internal u expt45 nscale0.9v3.4 10yrs: CumulativeCompleteness PHA 3 pairs in 15 nights SNR=3 detection loss: @ H(<=22.0) = 68.4%1.0 PHA 3 pairs in 15 nights SNR=0 detection loss: @ H(<=22.0) = 95.6%PHA 3 pairs in 15 nights detection loss: @ H(<=22.0) = 60.5%PHA 6 detections in 60 nights detection loss: @ H(<=22.0) = 74.6%PHA 3 pairs in 15 nights SNR=4 detection loss: @ H(<=22.0) = 64.2%PHA 3 pairs in 15 nights SNR=5 detection loss: @ H(<=22.0) = 60.7%0.8 PHA 1 quad in 1 night detection loss: @  $H(\leq 22.0) = 59.3\%$ PHA 3 triplets in 30 nights detection loss:  $\bigcirc$  H(<=22.0) = 26.7% PHA Single pair detection loss: @ H(<=22.0) = 80.0%PHA 3 pairs in 30 nights trailing loss: @ H(<=22.0) = 65.4%PHA 3 pairs in 30 nights detection loss: @ H(<=22.0) = 64.9%PHA 3 pairs in 15 nights trailing loss: 9 H(<=22.0) = 61.0% 0.6 Completeness PHA 4 pairs in 20 nights detection loss: @ H(<=22.0) = 52.5%PHA Single detection detection loss: @ H(<=22.0) = 79.8%0.2 0.0 16 18 20 22 24 26 28

H (mag)