1 kpc
0.1 kpc
10 kpc
(giants)
10 kpc
V Magnitude
13
14
15
16
17
18
19
A0
A5
F0
F5
G0
G5
K0
K5
M0
M5
Spectral Type (main sequence)

0
5
10
15
0
0.5
1
1.5
Maximum Change in Airmass

0
10
20
30
40
13
14
15
16
17
18
Magnitude of Brightest Comparison Star