

STA D or R CIRCLE SETTING MEAN

$\pi @$ $\frac{15}{22}$ / $\frac{14}{23}$
 22/23 D $0^{\circ} 00' 11''$ 05.5"
 R $180^{\circ} 00' 00''$

$\frac{15}{22}$ D $89^{\circ} 52' 29''$ 24"
 R $269^{\circ} 52' 19''$
 m = $89^{\circ} 52' 18.5''$

22/23 D $90^{\circ} 05' 40''$ 37"
 R $270^{\circ} 05' 34''$

$\frac{15}{22}$ D $179^{\circ} 58' 06''$ 58.5
 R $359^{\circ} 57' 51''$
 m = $89^{\circ} 52' 21.5''$

FINAL MEAN $89^{\circ} 52' 20''$

$\frac{15}{22}$ D $0^{\circ} 00' 12''$ 09.5"
 R $180^{\circ} 00' 07''$

15/14 D $90^{\circ} 09' 48''$ 47.5"
 R $270^{\circ} 09' 47''$
 m = $90^{\circ} 09' 38''$

$\frac{15}{22}$ D $90^{\circ} 05' 41''$ 37.5"
 R $270^{\circ} 05' 34''$

15/14 D $180^{\circ} 15' 10''$ 05"
 R $0^{\circ} 15' 00''$
 m = $90^{\circ} 09' 32.5''$

FINAL MEAN $90^{\circ} 09' 35''$

15/14 D $0^{\circ} 00' 09''$ 04.5"
 R $180^{\circ} 00' 00''$

$\frac{14}{23}$ D $89^{\circ} 48' 59''$ 56"
 R $269^{\circ} 48' 53''$
 m = $89^{\circ} 48' 51.5''$

15/14 D $90^{\circ} 05' 40''$ 37"
 R $270^{\circ} 05' 34''$

$\frac{14}{23}$ D $179^{\circ} 54' 36''$ 25.5
 R $359^{\circ} 54' 15''$
 m = $89^{\circ} 48' 48.5''$

Final mean = $89^{\circ} 48' 50''$