SUN

Star Master Instructions
{Numbers are places to go to on the diagram.}

The SUN can be added to the STAR DISK without the Nautical Almanac.

The new day starts with the SUN crossing the 180 degree Longitude

(LONG.) at 24/00 on the outer rim. Some times the SUN is ahead or

behind, a few known degrees, we also know the DECLINATION (DEC.) of

the first day of each Month, we can interpolate close values on other

days for both GHA & DEC..

VALUES DEC.& LONG.

Jan S23-179Feb S17176 Mar S8177 Apr N5179

May N15181 May N15181 Jun N22180 Jul N23179

Aug N18178 Sep N8180 Oct S3182 Nov S14184

Dec S22183 Jan S23179.

Place the star Disk on to the Base Disk and point the pointer ARIES to

the desired Month and Day {1}

Place the TRANSFER ARM on the Star Disk.

Move the pointer on the Transfer Arm to the above GHA on the rim for

The interpolated GHA and DEC. For the Month and Day. Through the slot

place a grease marker to mark the mock SUN, the above values will give

a indication of how long to replace with anew SUN.

EXAMPLE

Feb 1 {2} DEC.S17 {3}GHA176

The Time difference caused by the sun

not being at time 00 at midnight is

called the "Equation of time."

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{3}GHA176

{1}Aries to Desired
Month & Day.FEB 1

{2}Mark
Sun17S@
GHA176

FEB