ENCLOSED ARE STAR CHARTS AND INFORMATION ON SEVERAL DOUBLE STARS IN THE
SPRING SKY. WE WOULD LIKE TO CONDUCT A SEEING TEST TO SEE HOW THESE STARS CAN
BE SPLIT WITH THE TELESCOPES AVAILABLE TO SAC OBSERVERS OVER THE NEXT SEVERAL
MONTHS.

THERE ARE SEVERAL QUESTIONS TO BE ANSWERED:
1) IS THE SEEING BETTER IN EVENING OR MORNING TWILIGHT? AFTER MIDNIGHT?
2) DO VERY HIGH POWERS, SUCH AS 400X, PROVIDE A BETTER CHANCE AT SPLITTING
   THESE DOUBLES?
3) DOES ONE TYPE OF TELESCOPE DO A BETTER JOB OF SEPARATING THESE STARS?

GOOD NOTES ARE ESSENTIAL. MAKE CERTAIN THAT YOU WRITE DOWN AT LEAST THESE
FACTS:

  OBSERVER AND LOCATION
  TELESCOPE
  MAGNIFICATION

  HOW WELL IS STAR SPLIT? (CLEAN SEPARATION, JUST TOUCHING, NOTCHED PAIR,
   ELONGATED, NOT SPLIT) AND ANY OTHER NOTES THAT YOU THINK ARE WORTHWHILE
   PROVIDING

AJ AND I ARE DOING THIS IN AN EFFORT TO SEE IF WE CAN CONFIRM OUR NAKED EYE AND
TELESCOPIC SCALE OF SEEING, SO IF YOU HAVE A SEEING ESTIMATE THAT IS DETERMINED
BY A METHOD THAT DOES NOT INVOLVE THESE DOUBLE STARS THEN NOTE THAT, PLEASE.
STF 1647 in Virgo for Seeing Test
8.5 m and 8.8 m; Sep 1.3 Arcsec in PA 240

Local Time: 08:16:49 5-Jun-2004
UTC: 15:16:49 5-Jun-2004
Sidereal Time: 00:46:00
Location: 34° 31' 7" N 112° 5' 7" W
RA: 12h30m49s Dec: +9° 41' Field: 1.1°
Julian Day: 2453162.1367
STF 1699 in Coma Berenices for Seeing Test
8.6 m and 8.6 m; Sep 1.6 Arcsec in PA 7 Deg

Local Time: 08:16:49 5-Jun-2004
UTC: 15:16:49 5-Jun-2004
Sidereal Time: 00:46:00
Location: 34° 31' 7" N 112° 5' 7" W
RA: 12h58m55s Dec: +27° 26' Field: 1.1°

Julian Day: 2453162.1367
STF 1871 in Bootes for Seeing Test
7.3 m and 7.5 m; Sep 1.4 Arcsec in PA 185 Deg

Local Time: 08:16:49 5-Jun-2004
UTC: 15:16:49 5-Jun-2004
Sidereal Time: 00:46:00
Location: 34° 31' 7" N 112° 5' 7" W
RA: 14h41m47s Dec: +51° 22' Field: 1.1°
Julian Day: 2453162.1367

STARS
- <7
- 8
- 9
- 10
- 11

SYMBOLS
- Multiple star
- Variable star
- Comet
- Galaxy
- Bright nebula
- Dark nebula
- Globular cluster
- Open cluster
- Galaxy
- Planetary nebula
- Radio source
- X-ray source
- Other object
- Quasar

Circle represents one degree FOV
STF 2258 in Hercules for Seeing Test
8.7 m and 8.9 m; Sep 2.2 Arcsec in PA 221 Deg

Local Time: 08:16:49 5-Jun-2004
UTC: 15:16:49 5-Jun-2004
Sidereal Time: 00:46:00
Location: 34° 31' 7" N 112° 5' 7" W
RA: 17h56m51s Dec: +48° 36' Field: 1.1°

Julian Day: 2453162.1367