

# Some Targets for the LAAS Public Star Party on Saturday, November 9, 2013

Sunset at 4:54 p.m. PST

At 6:00 p.m. PST the Sidereal Time (Right Ascension at Griffith Observatory's Meridian) is 21 hrs. 24 mins.

## SHOWCASE OBJECTS

### The Moon

7 days old (1<sup>st</sup> Quarter is tonight at 9:57 p.m. PST); in Aquarius, midway between Altair & Fomalhaut.

**Prominent features near the terminator:** vertical pair of craters Aristoteles & Eudoxus in the North; vertical pair of craters Godin & Agrippa near the middle; and large crater Maurolycus in the South.

**Venus** In Sagittarius above the "teapot's" spout, low in the West at sunset, due to set around 7:30 p.m. PST

**Andromeda Galaxy (M31)**

## OTHER PLANETS

**Neptune** in Aquarius; 22:19.3 -11:11

**Uranus** on the border between Pisces and Cetus; 00:34.8 +02:58

## MULTIPLE STARS

(SAO Numbers are included for use by computerized go-to mounts)

### Prominent white doubles:

Zeta (ζ) Aqr (in Aquarius; SAO # 146107; 22:28.8 -00:01)

8 Lac (in Lacerta; SAO # 072508; 22:35.9 +39:38)

Eta (η) Cas (in Cassiopeia; SAO # 021732; 00:49.1 +57:49; challenging magnitude differential)

Mesarthim (Gamma (γ) Ari; in Aries; SAO # 092680; 01:53.5 +19:18)

### Prominent doubles of various colors:

Albireo (Beta (β) Cyg; orange & blue; in Cygnus; SAO # 087301; 19:30.7 +27:58)

Gamma (γ) Del (orange & grey-green; in Delphinus; SAO # 106475; 20:46.7 +16:07)

Epsilon (ε) Equ (yellow & blue; in Equuleus; SAO # 126429; 20:59.1 +04:18; the primary is itself a tight double)

61 Cyg (two deep-yellow nearby stars; in Cygnus, SAO # 070919; 21:06.9 +38:45; Piazzzi's "flying star")

Delta (δ) Cep (orange & blue; in Cepheus; SAO # 034508; 22:29.2 +58:25; the original "cepheid variable")

Almach (Gamma (γ) And (orange & blue; in Andromeda; SAO # 037734; 02:03.9 +42:20)

### Triple Stars

Struve 2816 (in Cepheus; SAO # 033626; 21:39.0 +57:29)

## PROMINENT OPEN CLUSTERS

M29 & M39 in Cygnus. NGC 7160 in Cepheus (looks like a fish swimming in a pond, viewed from above).

NGC 457 in Cassiopeia (the "flying owl" cluster). NGC 869 & 884 in Perseus (the "double cluster")

## PROMINENT GLOBULAR CLUSTERS

M15 in Pegasus. M2 in Aquarius

## GALAXIES THAT MIGHT BE VISIBLE IN URBAN SKIES

NGC 253 in Sculptor. M33 in Triangulum.

## RED CARBON STARS

(SAO Numbers are included for use by computerized go-to mounts)

T Lyr; (in Lyra; SAO # 067087; 18:32.3 +37:00; a variable star between mags. 7.5 and 9.0)

Mu (μ) Cep (in Cepheus, SAO # 033683; 21:43.6 +58:48; "Herschel's Garnet Star," although technically not a carbon star, may be the brightest "almost red" star in the northern sky, usually around 4<sup>th</sup> magnitude)

Compiled by Herbert Kraus