Observing list

West TX K-8 Teacher Workshop

June 18 - 20, 2015

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| **Object** | **Telescope/eyepiece** | **Comments** |
| Saturn | 16” telescope; 21mm | Distinct shaped rings, bright, small, brown colors  |
| Jupiter | 16” telescope; 21mm | Colored bands (clouds), 4 Galilean moons (Io, Europa, Ganymede, Callisto) |
| M97 | 16” telescope; 21mm | Planetary Nebula, which is star similar to the Sun at the end of its life appearing as a gray smudge. |
| M3 | 16” telescope; 21mm | Globular cluster, bright, dense collection of 100,000’s stars |
| Venus  | 16” telescope; 21mm | Appeared as a waxing crescent phase, nearly first quarter, bright |
| Moon | Galileoscope | Waxing crescent phase, bright, near the horizon. |
| Saturn | 0.9m / 36-inch telescope; 20mm | Rings more distinct, more color, brighter, bigger. More moons visible. |
| M104 / Sombrero Galaxy | 0.9m / 36-inch telescope; 20mm | Hazy, dust lane through center. Spiral galaxy. Large bulge in center. 20 million Light-Years away. |
| NGC 6543 / Cat’s Eye Nebula | 0.9m / 36-inch telescope; 20mm | White dwarf visible in the center. Hazy cloud, smudge. |
| M57 / Ring Nebula | 0.9m / 36-inch telescope; 20mm | Clear. White dwarf very faint. |
| M13 / Hercules Cluster | 0.9m / 36-inch telescope; 20mm | Globular star cluster – very bright, dense, looked like a honeycomb. Greenish blue colors |
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| **Telescope** | **Size/type** | **Equipment** |
| Harlan J. Smith Telescope | 2.7m (107-inch) / Reflecting | Immersion Grating Infrared Spectrometer (IGRINS) |
| Hobby Eberly Telescope | 9.2m diameter mirror / Reflecting telescope / 91 individual mirrors | VIRUS (fiber-fed spectrographs). Habitable Zone Planet Finder. Wide Field Corrector. |
| Otto Struve Telescope | 2.1m (82-inch) | CQUEAN |
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