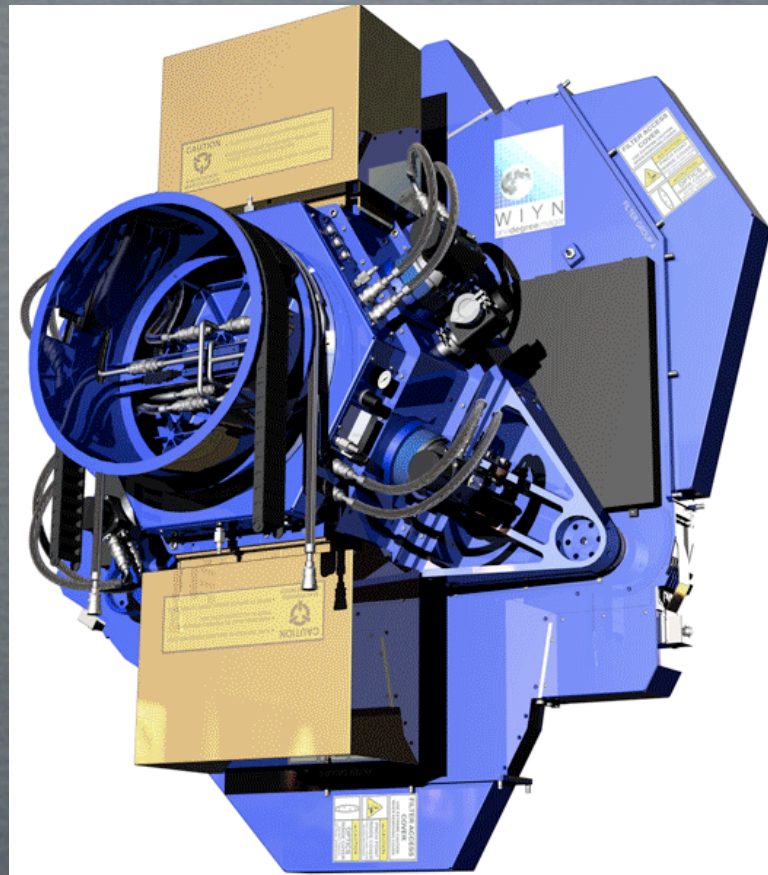


ODI Science: What's Planned ... And What's Next ?



Pierre Martin
AAS, Pasadena, June 2009



Programs planned around several key characteristics of ODI

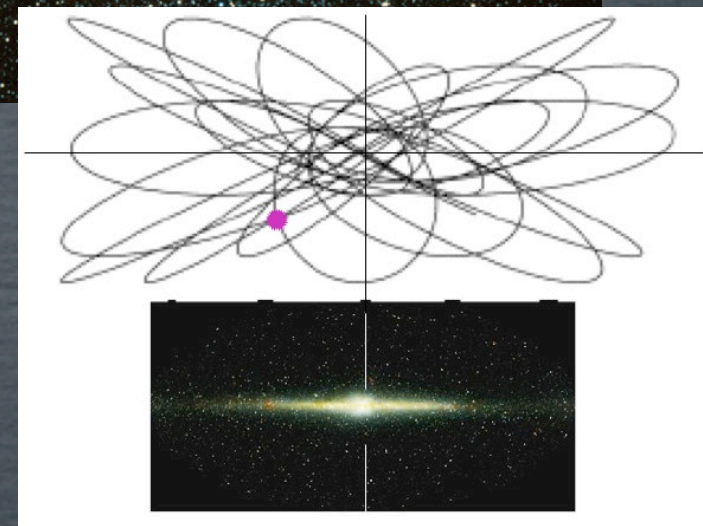
- Superb Image Quality
- Wide Field-of-View
- Narrow-band Imaging
- Time-domain (queue)
- Excellent blue sensitivity
- High-precision astrometry



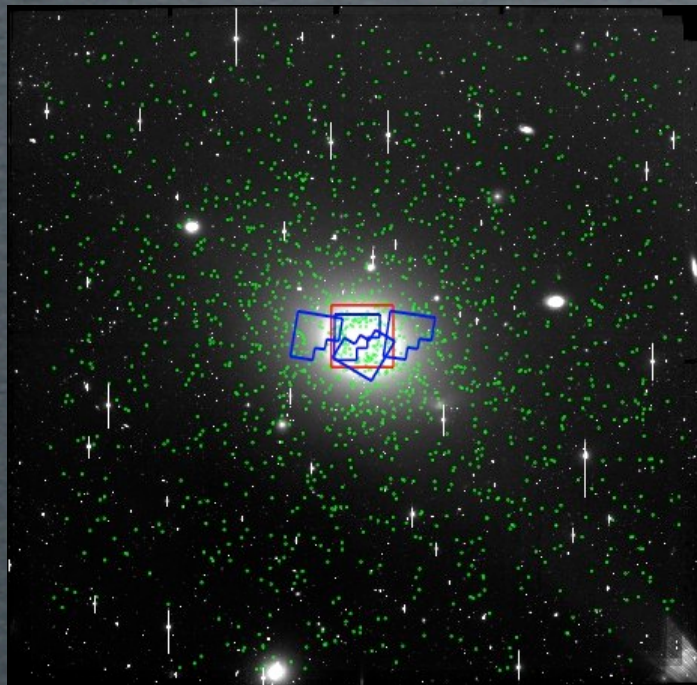
Programs planned cover a very broad range of astrophysics

- Galactic Astronomy

- Open Clusters
- Variable Objects
- Proper Motions/Astrometry
- M-dwarf flaring
- Globular Clusters
- Dwarf Galaxies/Star Streams
- Small Bodies in Solar System

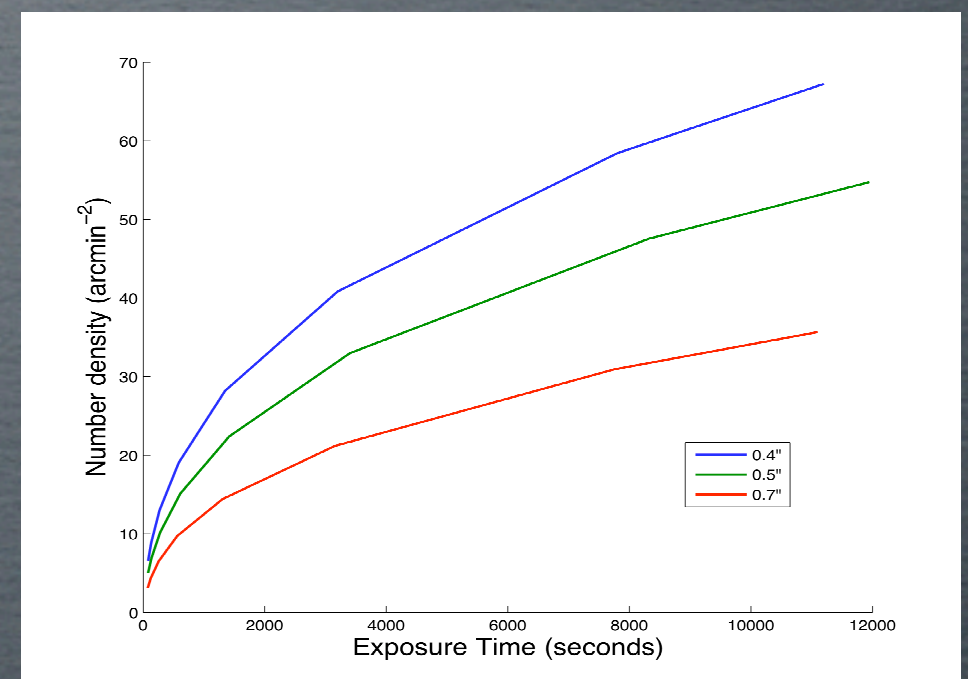
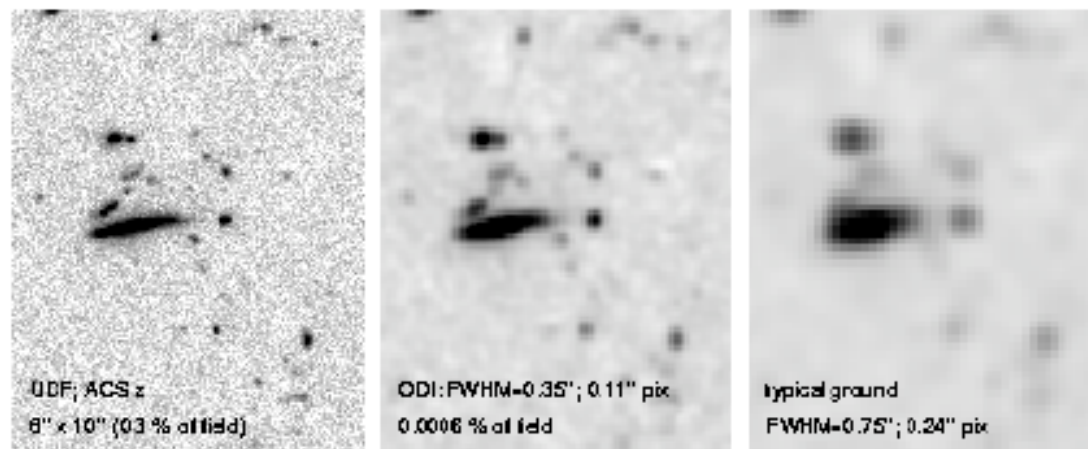


- Local Universe
 - Local Group Survey
 - Virgo H α Survey
 - Globular Clusters around Giant Galaxies
 - Low-mass Galaxies
 - Global SF in Nearby Galaxies
 - “Living” M31 and M33



- Cosmology

- High- z Galaxy Morphology
- Galaxy Clusters
- Weak and Strong Lensing
- Emission-line Object Surveys
- Variable Extragalactic Objects
- Supernovae



What's Next ?

- *What can ODI do for you ?* Are there any scientific themes not explicitly included so far which should be explored with ODI ?
- Among the projects mentioned, which ones have enough common interests (scientifically, strategically or operationally) to be merged ? What about your project ?
- What is the importance of the availability of a data pipeline and archiving for your project and *what should these capabilities offer* ? What about queue observing?
- Filters? Importance of non-sidereal guiding?



Anything you can think of !!!

