Iranian National Observatory

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Iranian National Observatory

A modern observatory in the land of ancient observatories

Project timeline

- 2001- Potential sites identified
- 2002- Seeing measurement began
- 2003- Project approved by the government
- 2006- Project delegated to IPM
- 2007- Site selection concluded
- 2008- Site monitoring began
- 2009- Primary mirror blank ordered
- 2010- INO340 design began
- 2011- Road construction began
- 2012- INO340 Concept frozen
- 2014- Primary mirror polished and arrived
- 2016- Road ready, Secondary mirror ordered
- 2017- Wide field lens system and 1m class telescope
- 2020- INO340 first light





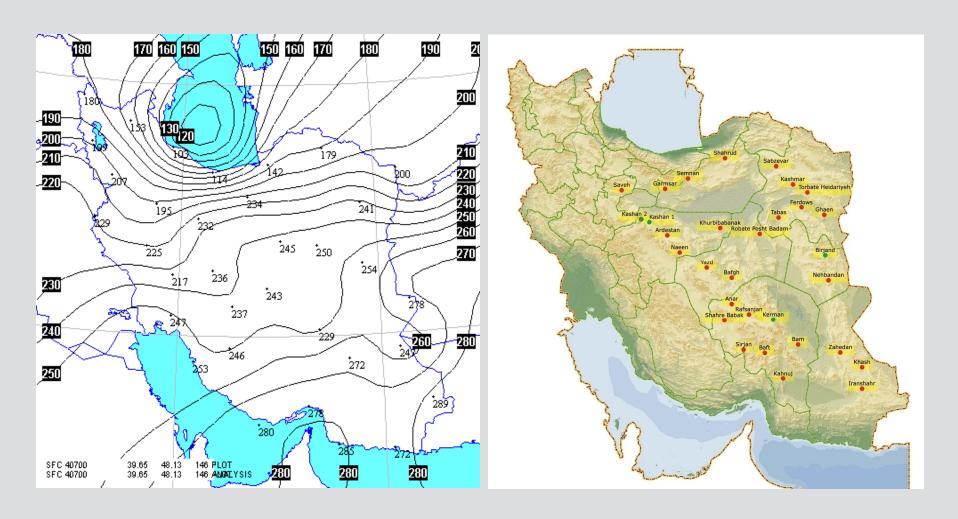
Geographic location







Site Selection











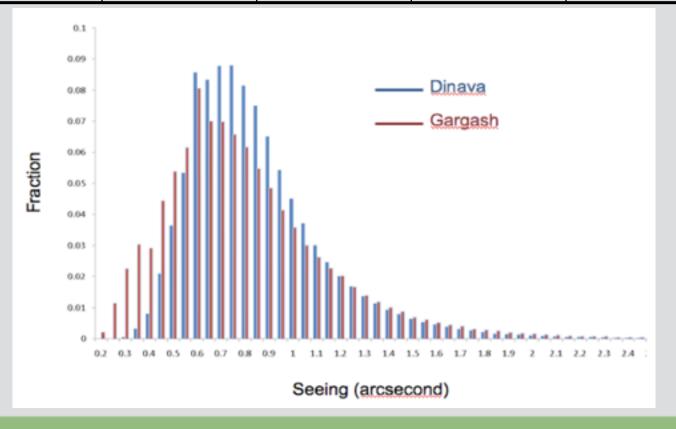






Gargash (3600m) vs Dinava (3000m)

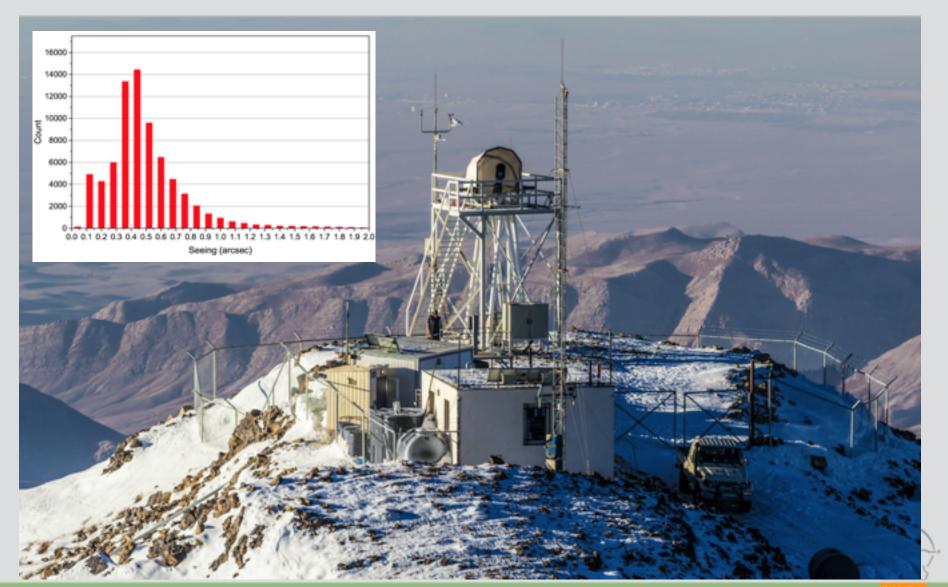
Seeing	1st quartile	2nd quartile	3rd quartile	median
Dinava	0.60" (0.09)	0.74" (0.09)	0.91" (0.09)	0.73" (0.09)
Gargesh	0.54" (0.04)	0.67" (0.04)	0.89" (0.04)	0.68" (0.04)

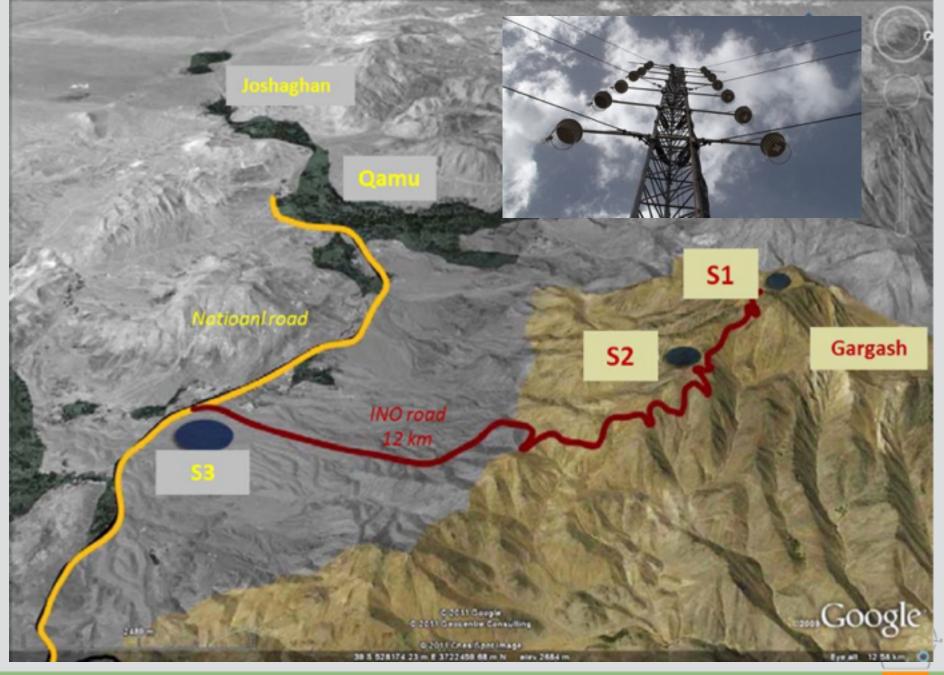






Site Monitoring station



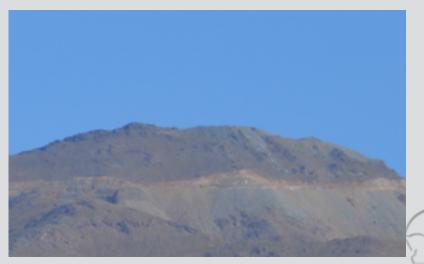


Road construction



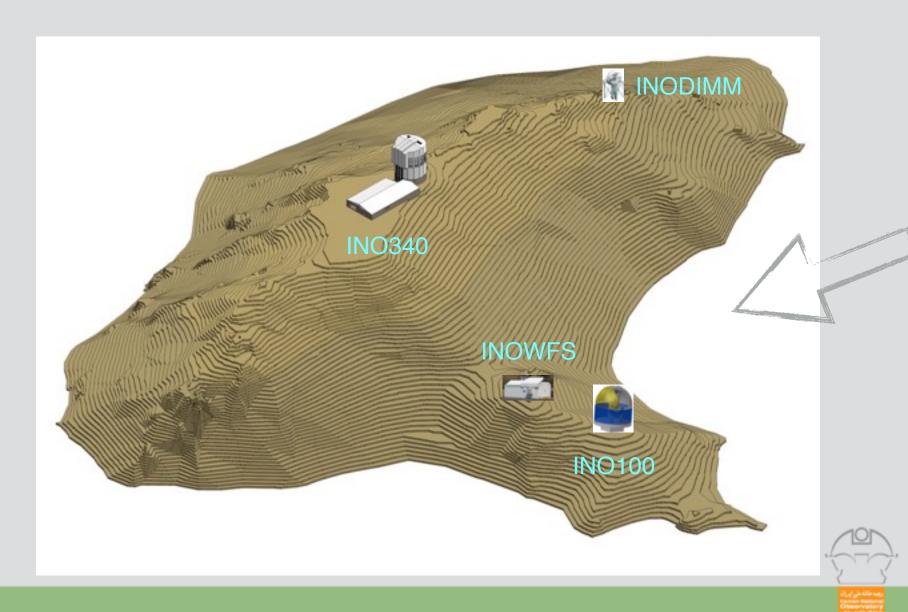








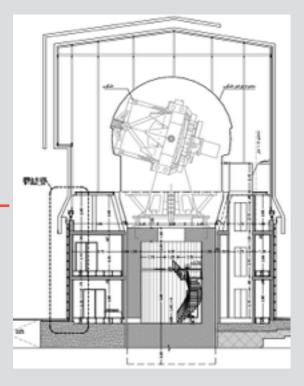
Observing facilities

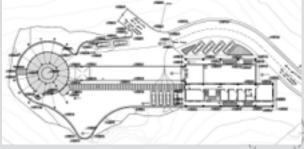




Site Plan - INO340









Site Plan - WFS

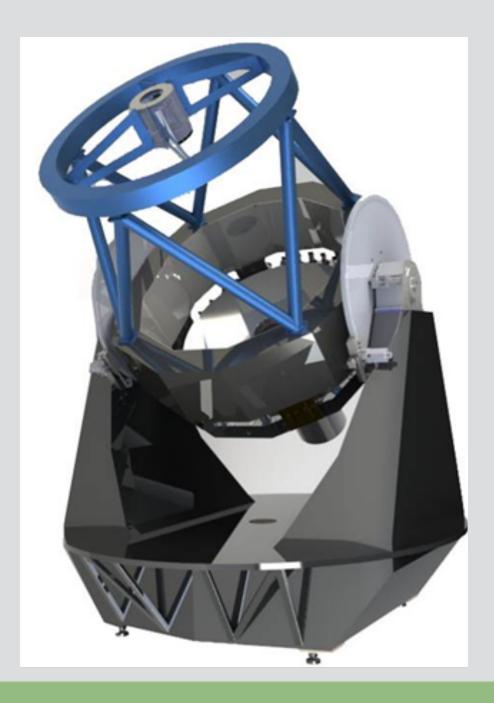




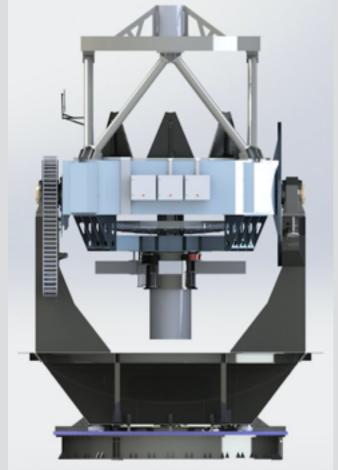








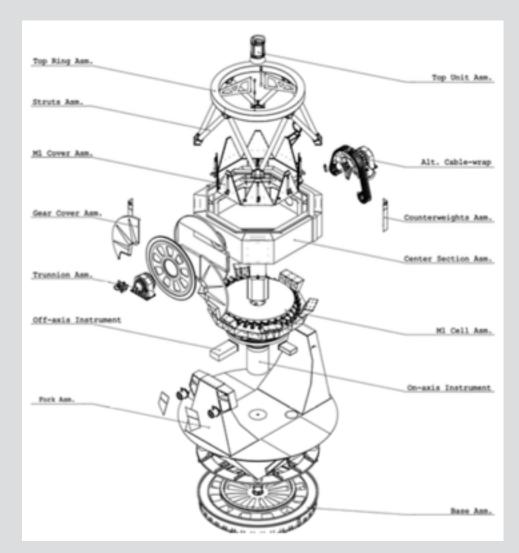
INO340

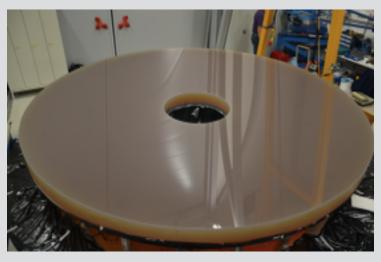






Telescope design

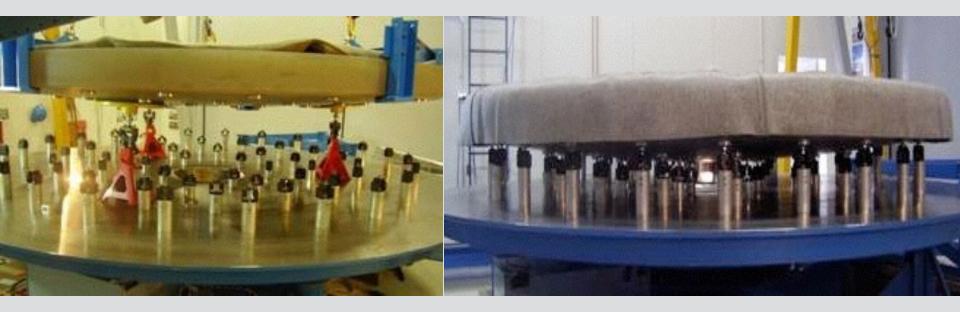


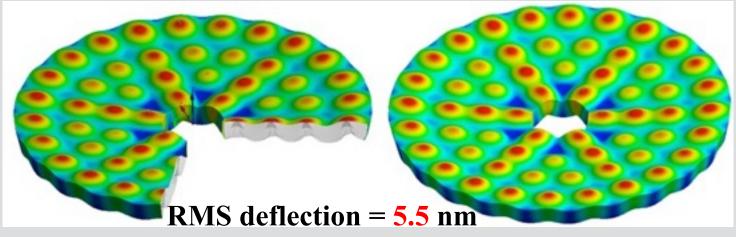






Primary mirror

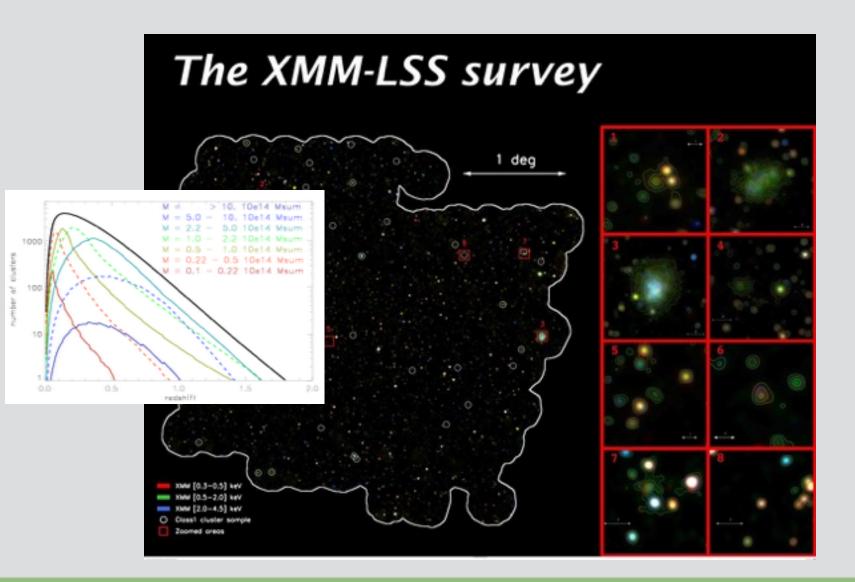








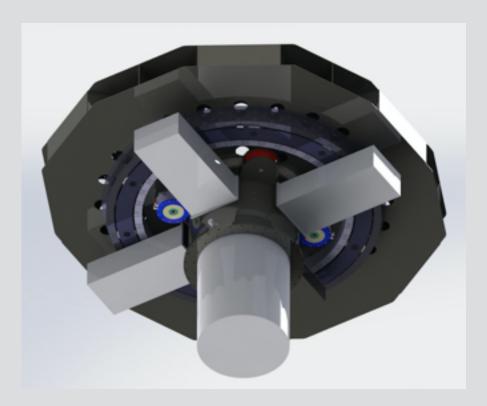
An example of survey program







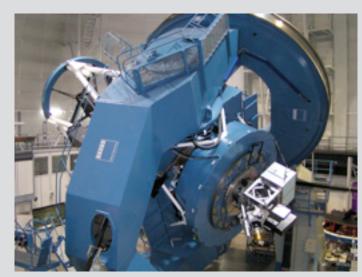
Instruments arrangement



High resolution imaging

Intermediate resolution spectroscopy

Low resolution spectroscopy











School of Astronomy @ IPM

