

Jupiter Observation:

Planet Jupiter was observed by SUPARCO officials on 25th September 2011 at 10:00pm to 00:00am PST from SUPARCO HQ Karachi. Planet had altitude of +36 degree with visual magnitude of -2.6 in Eastern direction. A software generated picture of the scene can be seen below,



Figure No.1: Simulated picture of the sky showing the position of the Jupiter at 22:00 hrs PST

The rise time of Jupiter was 20:11 hrs PST, but due to horizon effect it was clearly observer when attained a sufficient height in the sky at about 22:00 local time.

Instrument: LX200 Meade 8 Inch Telescope

Celestron NaxImage Camera

Other assorted telescope and accessories.

Created with

 **nitro**PDF[®] professional

download the free trial online at nitropdf.com/professional

Event was observed before the observing session using software Stellarium. The position of the planet was picked from this software and the equipment was set in the specified direction. The position of planets and its moon as predicted by software before the actual observation was as,



Figure No.2: Planet Jupiter and its four moons as predicted by software (Stellarium)

Image processing was done using software "Registax V5.01".

Following pictures of Jupiter were taken on 25th Sept 2011 at roof top SPARCENT building.



Figure No3: Real image of Jupiter and its four moons captures by 32 mm eye piece using Meade 8"telescope and Celestron NexImage camera.



Figure No.4 & 5: Jupiter with higher magnification using 25 mm

eyepiece. Northern and Southern bands on the surface of Jupiter can easily be seen.