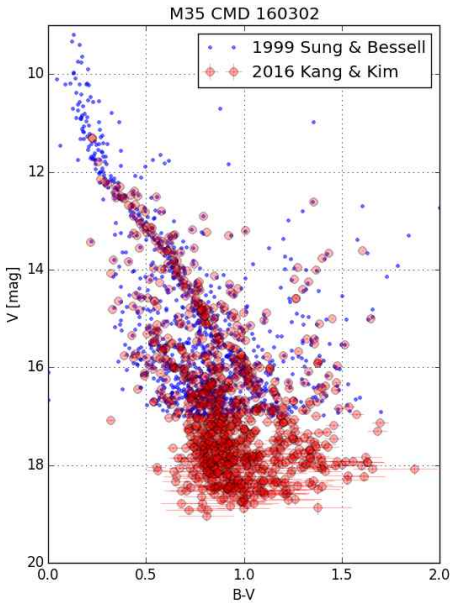
Update: 2016. 12. 12.

NYSC 1M 원격제어망원경 소개자료

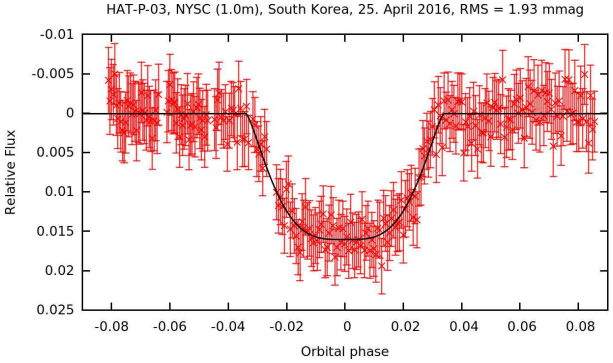
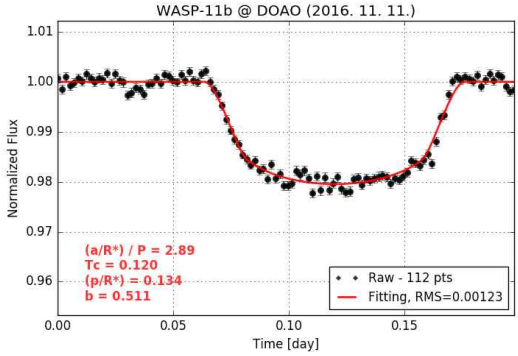
○ 1M 망원경 사양

- 광학계: 주경 D = 1000mm, 부경 D = 250mm, F-ratio = 8.0
- CCD (FLI ProLine-16803): 4096×4096 pixels (9㎛), 36mm×36mm
- Field of View = 15.8×15.8 arcmin^2
- 분광기: Shelyak eShel Spectrograph, R~10,000, λ ~ 3000 - 8000 Å

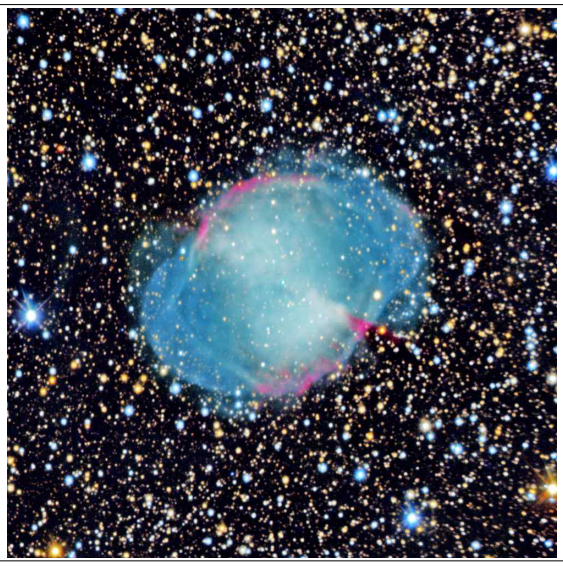
○ M35 산개성단 측광 (2016. 3. 2.)

M35 합성 이미지 (BVI)	M35 BV 색-등급도
평균시상: 2 - 3 arcsec	측광: Source Extractor, 한계등급: V < 20
	

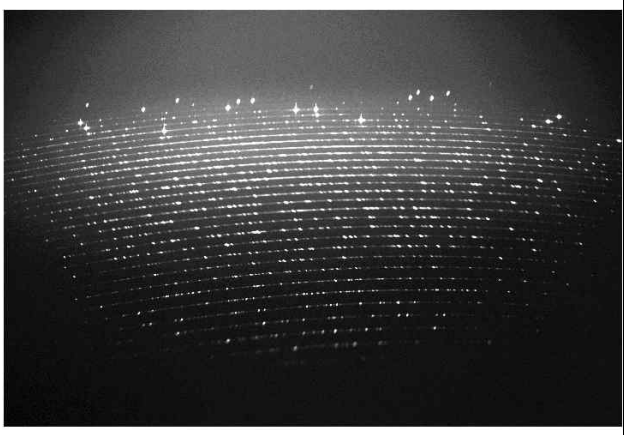
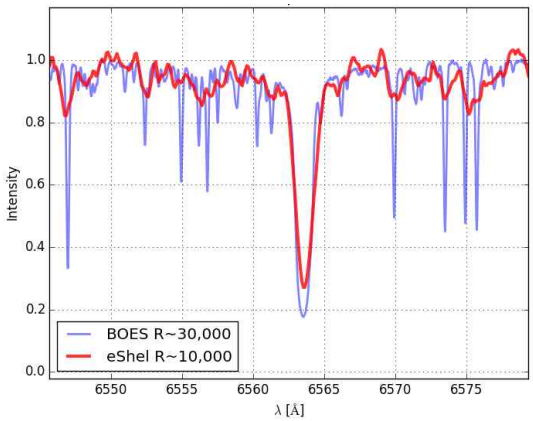
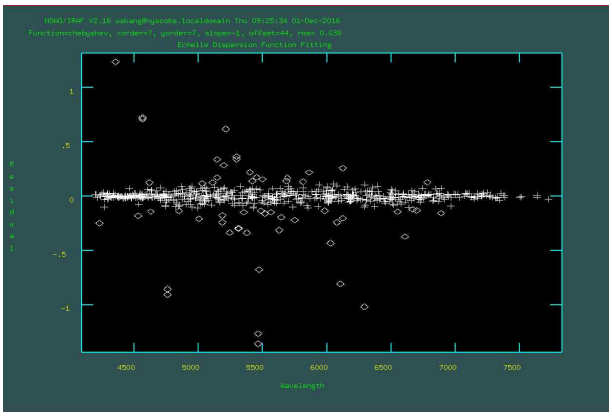
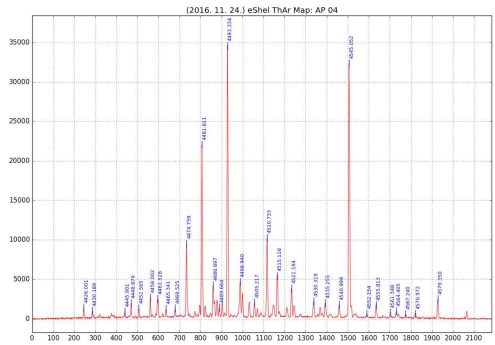
○ 외계행성 식현상 관측

HAT-P-3 (2016. 4. 25.)	WASP-11 (2016. 11. 11.)
자료분석: Tobias C. Hinse(KASI)	자료분석: Wonseok Kang(NYSC)
	

○ Deepsky 이미징 관측

M1 게성운	M3 구상성단
	
M101 나선은하	**M27 행성상성운**
	
NGC6888	**M16 독수리성운**
	

○ 분광 스펙트럼

Th-Ar Lamp 이미지	Pollux 스펙트럼
eShel 분광기 원본 이미지	노출시간: 1000초(구름), 자료처리: IRAF
	
파장동정 결과 (2016. 11. 24.)	**Th-Ar 파장동정 Map 예시 (AP01)**
RMS ~ 0.03 angstrom	AP01 - AP25 (25개 apertures)
	

○ 성상 분석 및 auto-guiding 자료

이미지 성상 분석 자료	Auto-guiding 성능 자료
평균 FWHM ~ 1.62 arcsec (best)	RMS < 0.5 arcsec