

# Constellation Close-Up: Leo

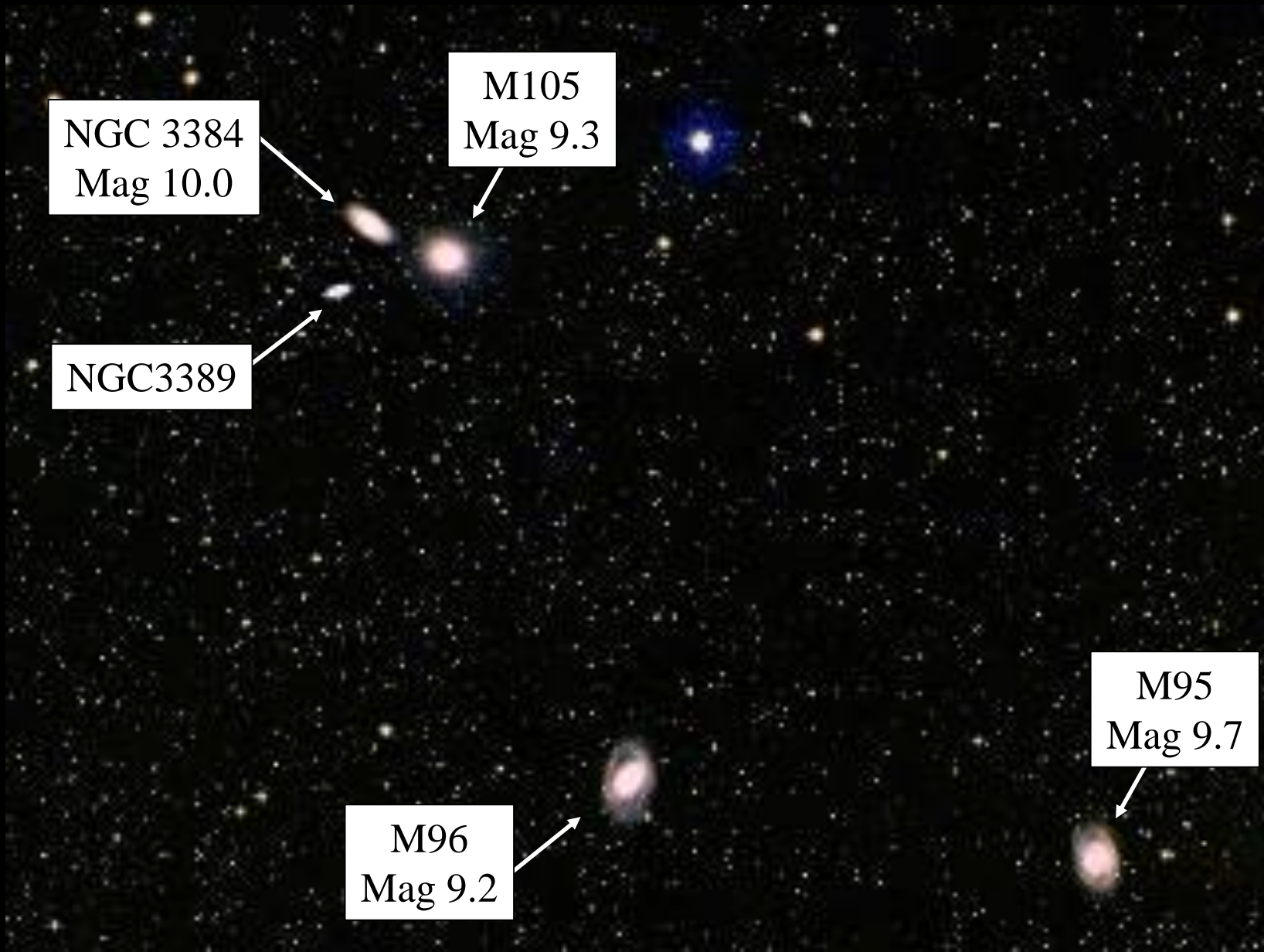
*Les Lamb & James Appleton*

## Topics:

1. Introduction to Leo (Les)
2. Galaxies in Leo (Les)
3. Leo's position on the ecliptic (James)
4. Double stars in Leo (James)
5. The Leonid meteor shower (James)



# M96 Galaxy Group



NGC 3384  
Mag 10.0

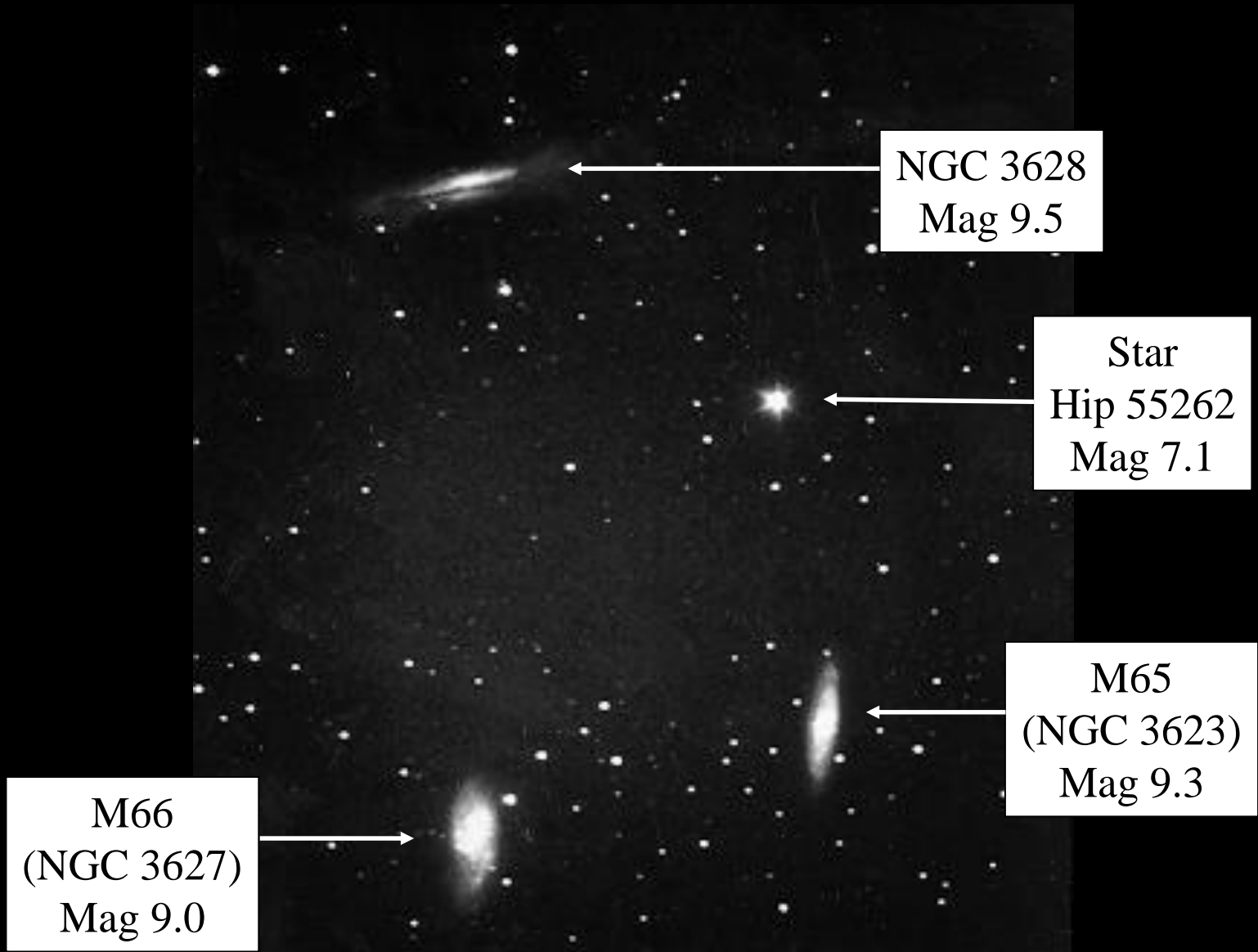
M105  
Mag 9.3

NGC3389

M96  
Mag 9.2

M95  
Mag 9.7

# M65 Galaxy Group





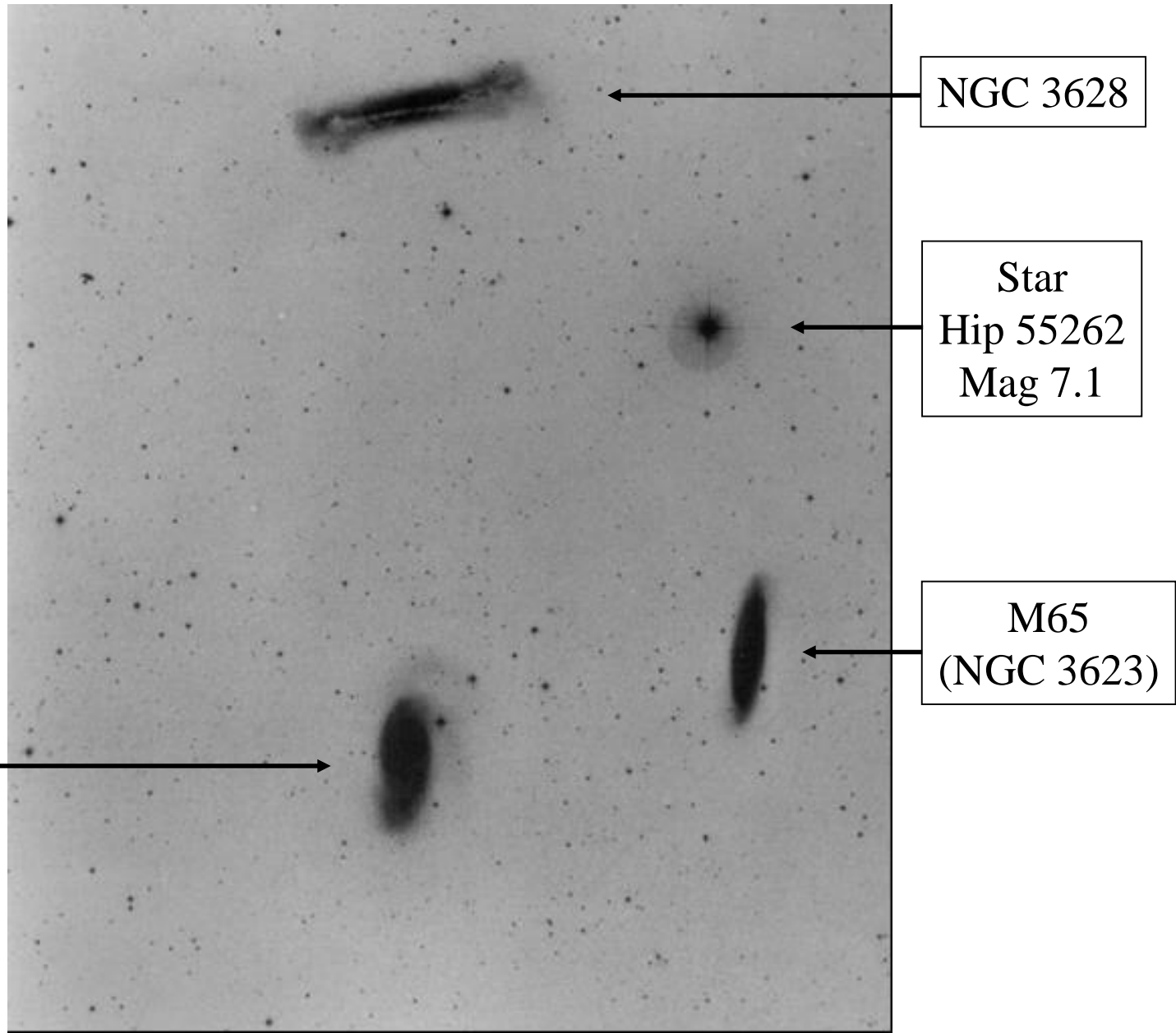
**M66**



**M65**



# M65 Group – Special Emulsion





# Lunar Occultations of Regulus

<b>Date</b>	<b>Time (UT)</b>
24 Apr 1999	21:24
30 Mar 2007	03:28
07 Oct 2007	05:24
29 Mar 2026	19:23
18 Sep 2036	03:59



# Grazing Occultations of Stars in Leo

## Close to Orwell Park, 1600-2200

<b>Date</b>	<b>Star</b>	<b>Mag</b>
22 Sep 1612	30 Leo, eta Leo	3.5
31 Oct 1619	29 Leo, pi Leo	4.7
06 Jan 1961	31 Leo, A Leo	4.4
25 Jan 1978	14 Leo, omicron Leo, Subra	3.5



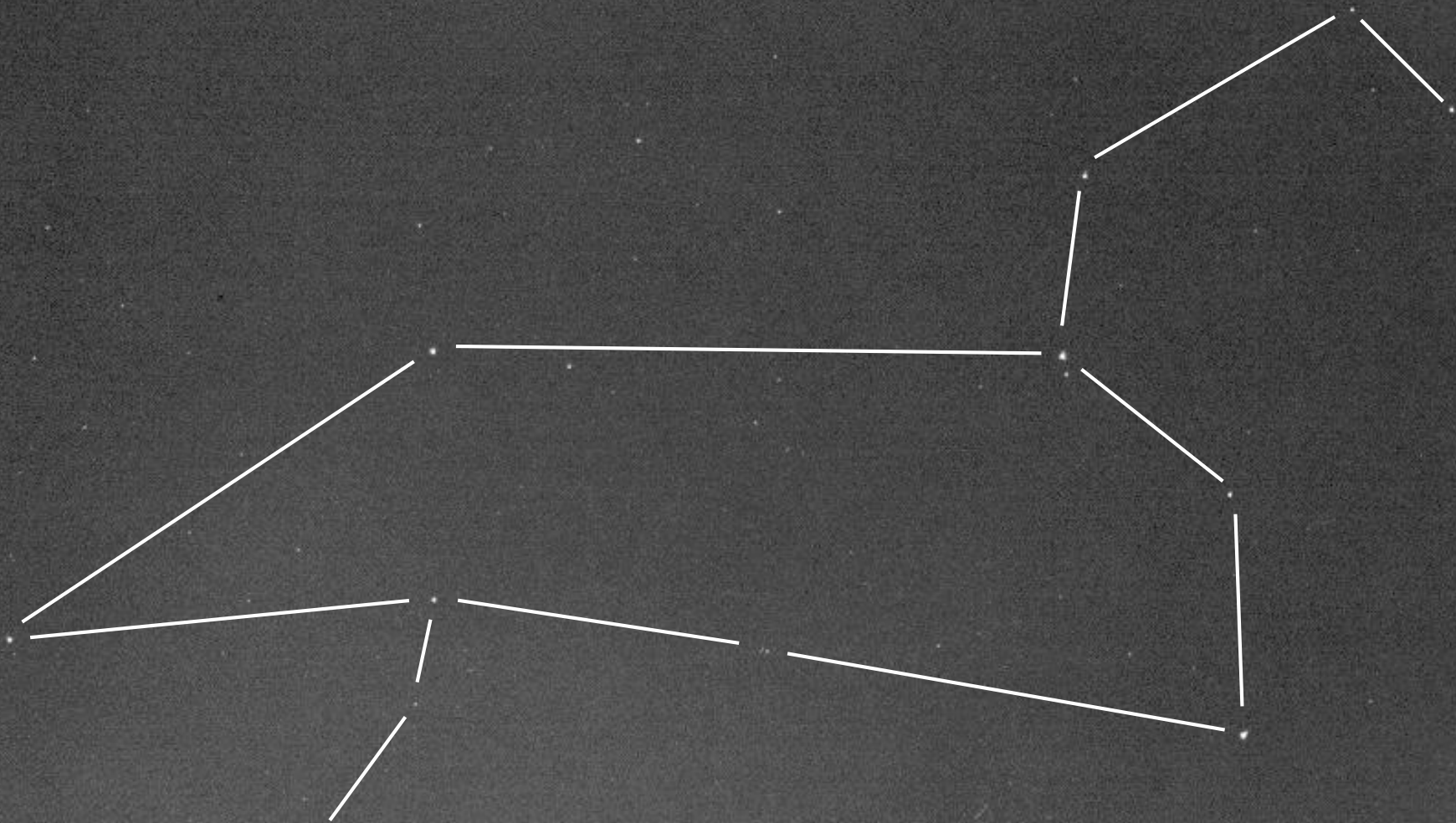
# Double Stars in Leo

Star	Magnitudes	Separation	Notes
Regulus	1.4, 7.7	177''	Problem with glare from primary. Secondary is itself double: mags 8 & 13, sep 2.6''. Couldn't split in 10''.
Zeta Leo, 35 Leo	3.0, 5.0	Very large!	Nice in binoculars. Zeta white, 35 slightly yellowish.
Gamma Leo	2.2, 3.5	4.4''	Fine pair, yellowish. Needed x200 to split.
88 Leo	6.4, 8.4	8.4''	Yellowish/reddish colour contrast to me-officially yellowish/whitish.
Iota Leo	4.0, 6.7	1.7''	Close binary – couldn't split in 10''
Kappa Leo	2.1, 4.5	2.1''	Close binary
Omega Leo	5.9, 6.5	0.6''	Very close binary

# Regulus



# Photograph – 45s on Fuji 400 ASA





# Photograph – 5m Kodak 1000 ASA

