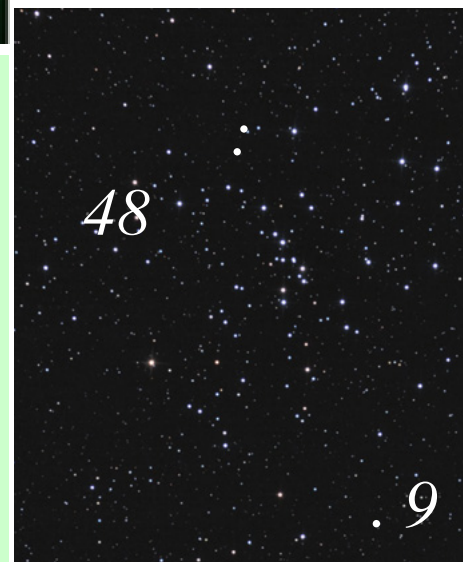
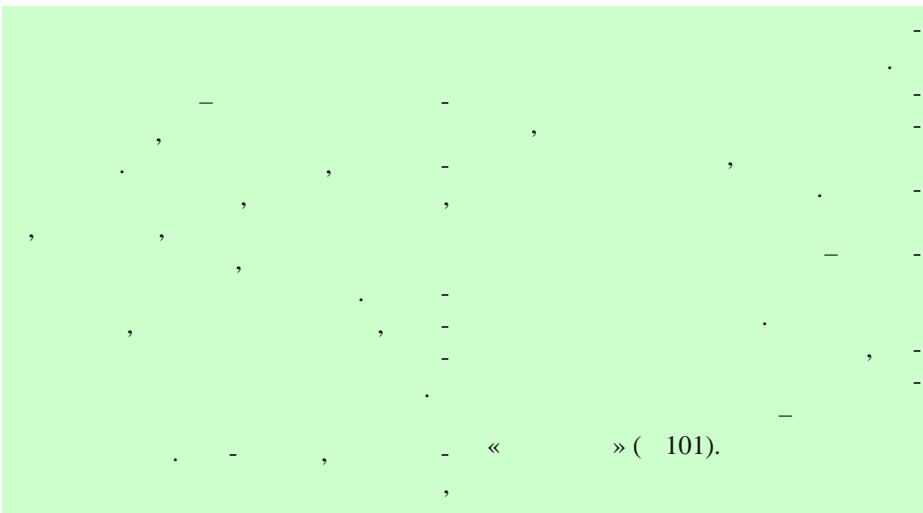
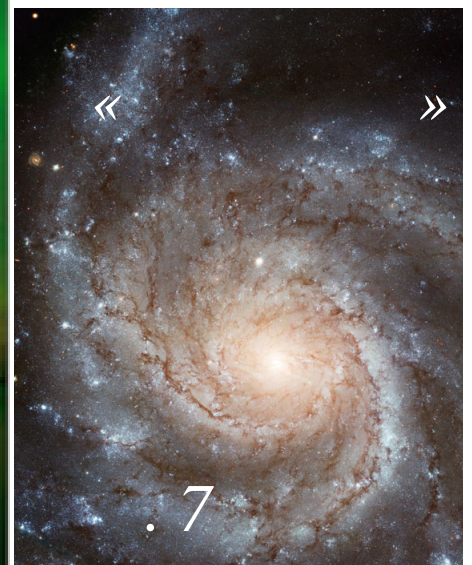
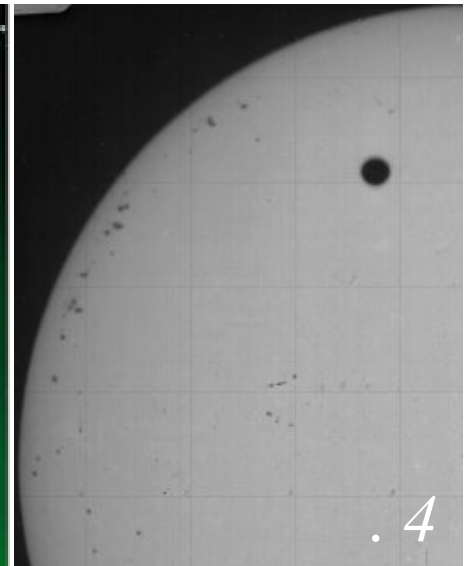




АСТРОНОМИЧЕСКАЯ ГАЗЕТА

№7 (47)
19 апреля 2012 года





(с) Александр Чернухо

2005 .

<http://www.spaceweather.com/>

(<http://www.irf.se/allsky/rtascirf.php>).

20-30



Nikon. D70,
D200, D700.

ISO (ISO
800) D700
ISO 2500.

3 : Nikorr 24-85
f/2.8-4, Sigma 20 f/1.8, sigma 12-24
f/4.5-5.6.

(Nikorr 24-85 f/2.8-4.

Sigma 12-24 f/4.5-5.6

ISO

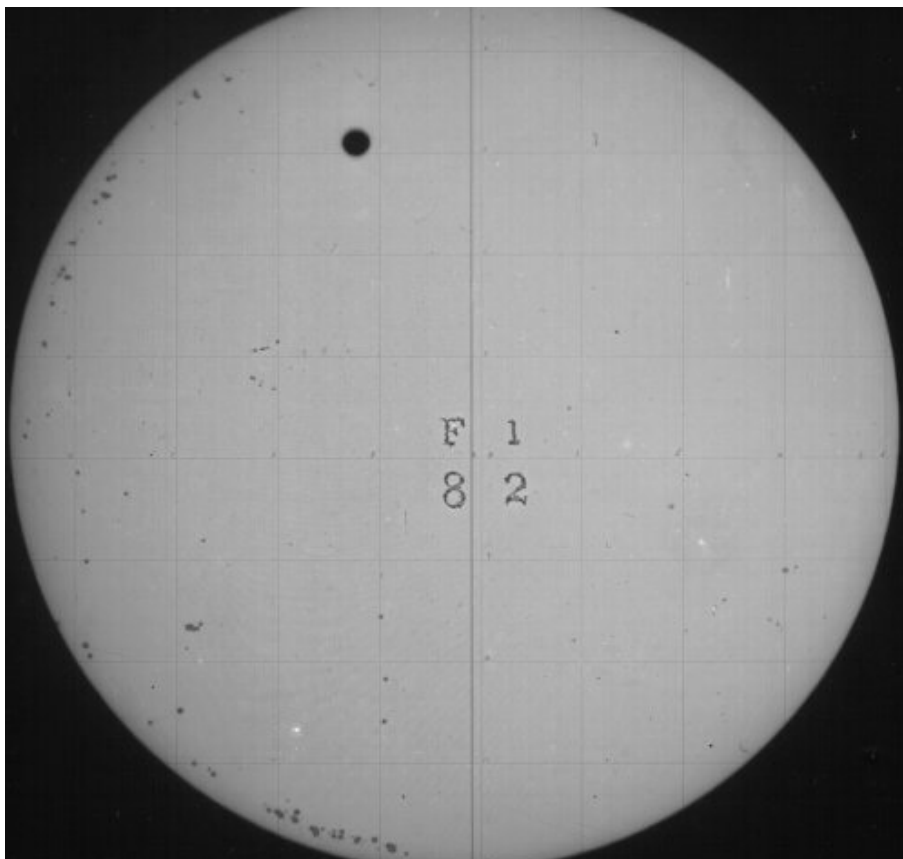
2-3

30



5-6
(45-46) 2012

1882 6



1882

$8.79'' \pm 0.51''$.

6 1882
«Philadelphia Enquirer».

«
»
»

7 1882 , «Boston
Daily Globe».

«
»

7 1882 , «San
Francisco Chronicle».

16 1882
«Scientific American».

«
»
2004 ;

8.842"±0.0118" (148.79±0.2
).

».
1891

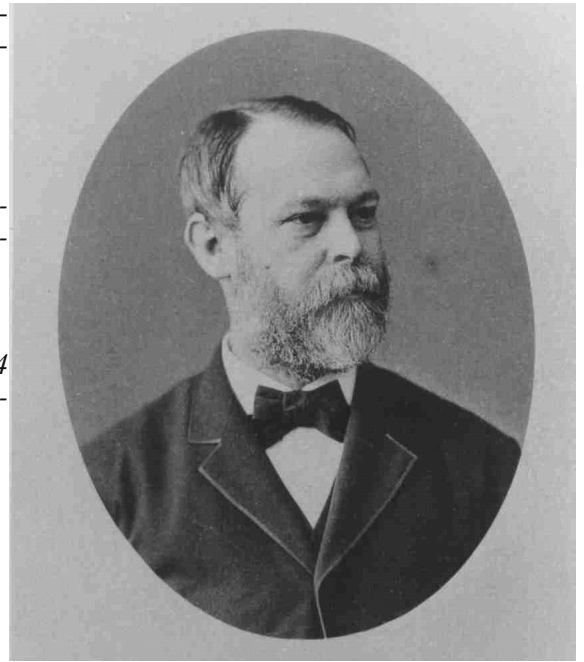
1891
 $8.847'' \pm 0.012''$.

148.68

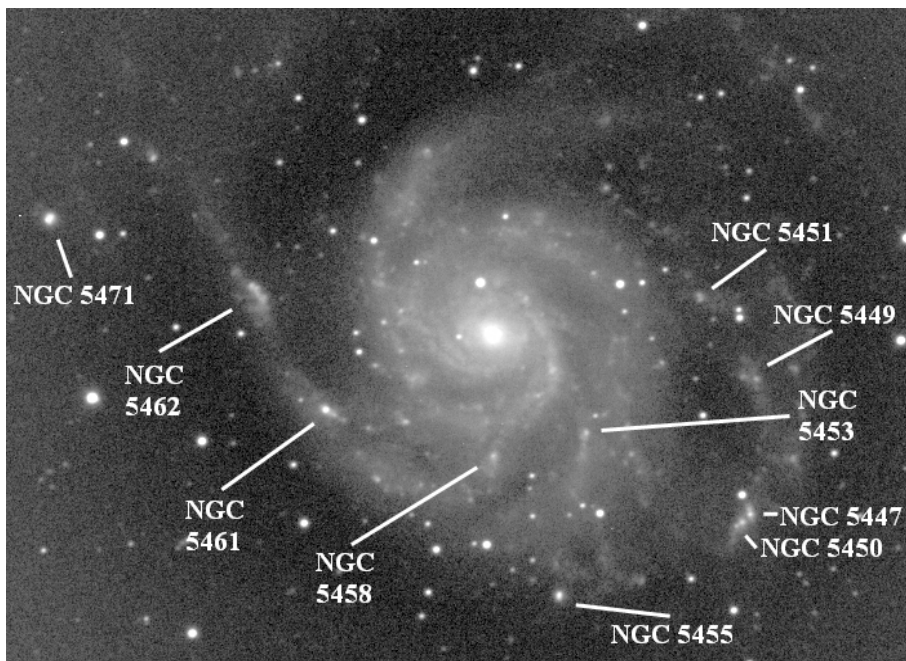
200

8.842"±0.0118" (148.79±0.2
).

1894
 «
 - 149.34 ± 0.096
 ($8.809'' \pm 0.0059''$).
 ? XXI
 2004
 XX
 1896
 Conference
 Internationale des Etoiles
 Fondamentales
 8.80",
 8.809"
 «Proceedings of the
 AAAS 31st meeting», August, 1882
 (Salem, 1883), 77.).
 57
 (1840–1913) «
 1885
 700
 ...».
 - 8.794146".
 «
 1895
 1931
 (433) 1960-
 2004
 «
 », http://sunearthday.nasa.gov/2012/articles/ttt_73.php
 1639

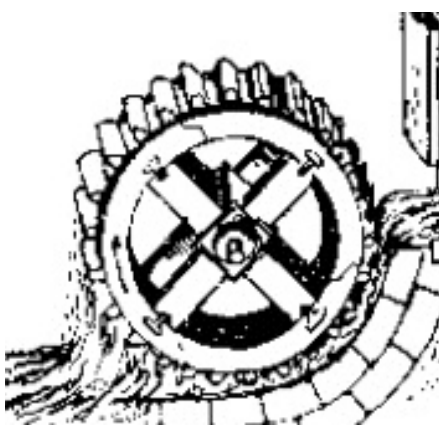
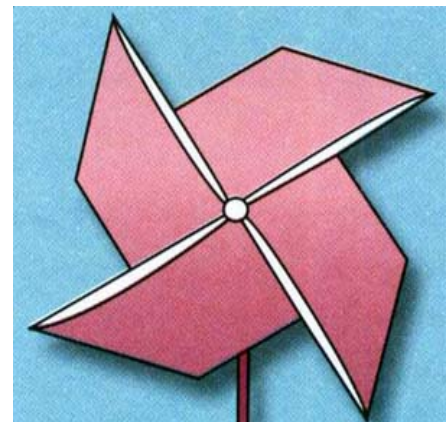


, , ,
 (- 50-
 , 50-70 ,
 10×50. - 2.4"
 , , , 10 ,
 - M32 M110.
 ? !
 8.2m -
 8'.7×6'.5, - 8.0m ?
 21'.9×11'.0, ,
 4.5 . - ,
 , , ()
 7 ,)
 50 . -
 (50/7)² 50 , - 2' = 120".
 , - 10
 , - 10
 , - 12".
 4.25m (-
 , 2.5124.25 ,
 50) , ! -
 6.5m , -
 (, -
 3-4 - 9.5 ,
), - 5'.
 , -
 10.75m - ,
 ! - 10×50 16"-17",
 , -
 , 10 - 10×50 (-
), - 59 And (6.1-6.8/16.9"),
 , - 2.4"! ,
 - ,
 - ,
 - ,
 - 20"-25"
 - 2.4" (120"/50), ,
 () , -



101,
101
101,
101
8x42
11-
20-
NGC 5461 NGC 5462. 30-
101
HII
NGC 5447, NGC 5458, NGC 5461,
NGC 5462.
101,
NGC 5447 -
()

NGC 5455 -
30-
45- 6.6
NGC 5449 -
45- (2.3') 13-
NGC 5450 - NGC 5458 -
NGC 5447.
45- 30-
NGC 5461 -
NGC 5451 - 13.5m. 30-
45-
NGC 5453 - 45-
()



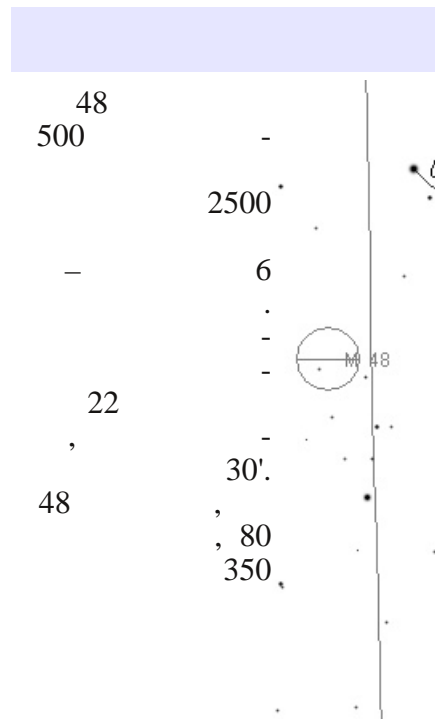
101, 30-
NGC 5471 -
HII ;
45-
MGC



48 (NGC 2548)
22
30'
2510
5.8m
 RA.....8h 13.8m
 DEC.....-5d 45m

48
 19 1771
 «
 ».
 5
 48
 - NGC 2548.
 1959 , T.F. Morris
 NGC 2548.
 1782

« »
 48
 1783
 «
 10 ».
 48: «
 ,
 ».



G K. -
 48 -
 8.2m. -
 48 -
 50 -
 10x50 -

Stoyan R. et al. Atlas of the Messier Objects: Highlights of the Deep Sky — Cambridge: Cambridge University Press, 2008.

