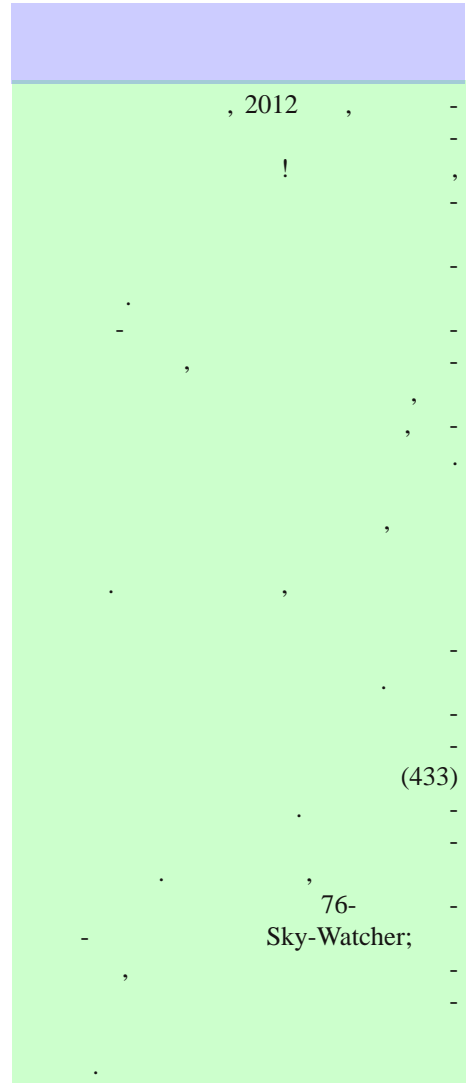
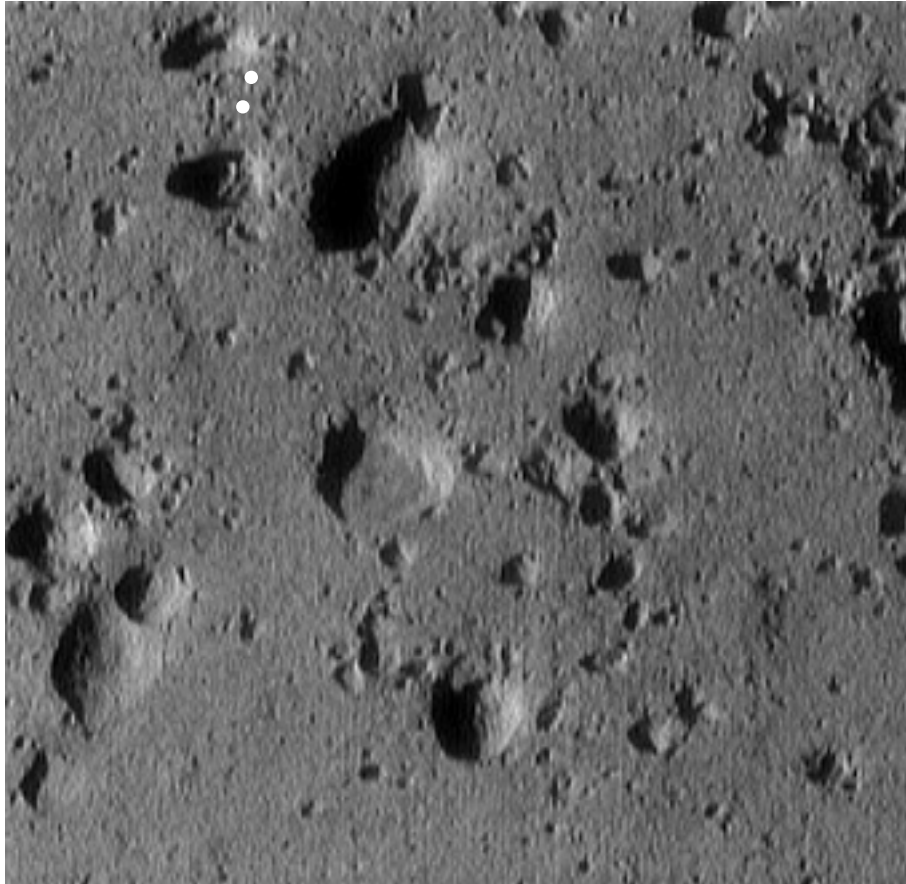




АСТРОНОМИЧЕСКАЯ ГАЗЕТА

№1 (41)
5 января 2011 года

2



Shoemaker (433) NEAR 250 (2001) 10

2012

(433)

0.18

70

),

- 8.1m.

(185)

1901

100

433

1898

1930-

31

1968

1900-

2000

(1036)

34.4×11.2×11.2

1910



6

NEAR Shoemaker 2000

NEAT NASA
20
3 2000
2011
2.5"/min

1 ...
NEAR
Shoemaker
1998
2000
2001
40%
500
9
9

(433)	
XXI	
:	
6.9 - 14.5m	
2011-2012	8.1
2018-2019	8.7
2049	9.5
2055-2056	6.9
2062-2063	9.7
2093	8.2
2099-2100	8.6

Sky-Watcher BK 767AZ1

Sky-Watcher BK 767AZ1.

76
700

(25),

30%.



. 1.

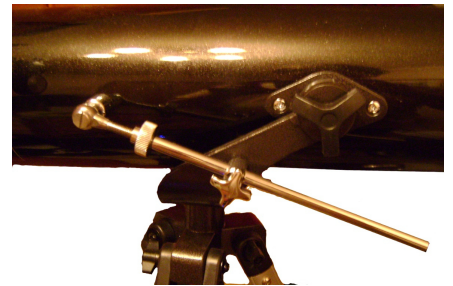


. 2.

. 2

3-5 ()

10 25



. 6.

30

(30)

« » (. 6).

AZ 1;

Sky Watcher:

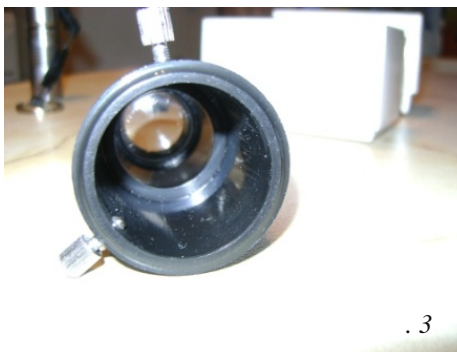
- 25 mm Wide Angle Long eye relief;

- Super 10 mm;

- 2-

6x24;

1:9.2,



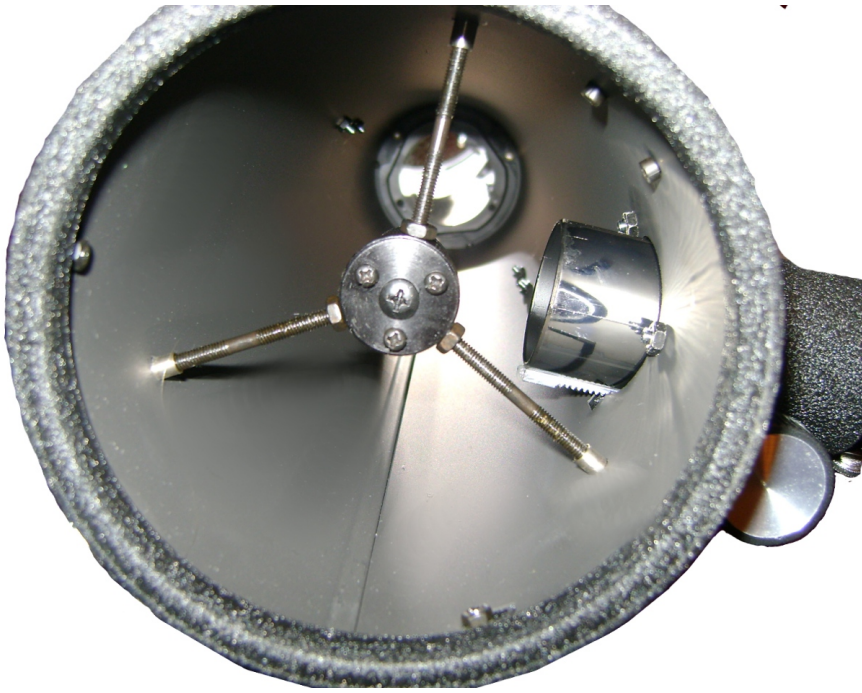
. 3



. 4

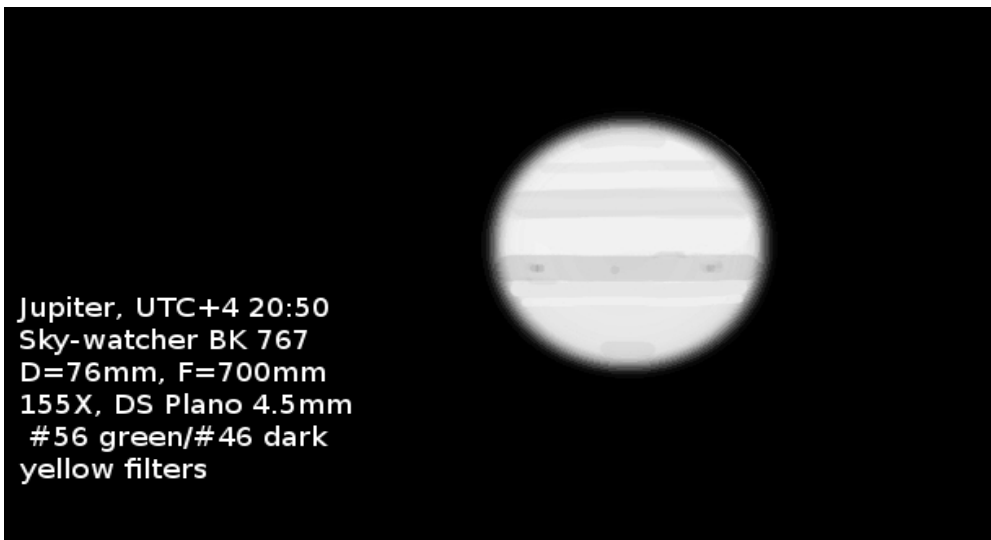


. 5

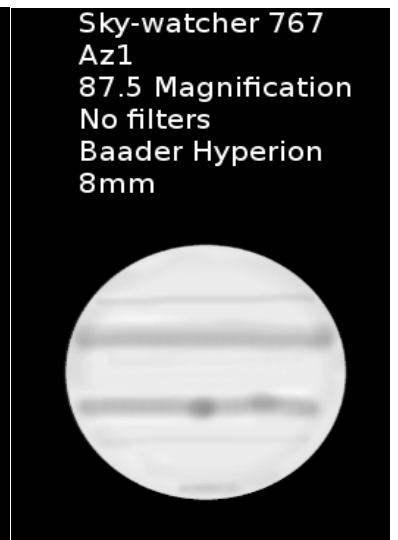


1.5-2 D.

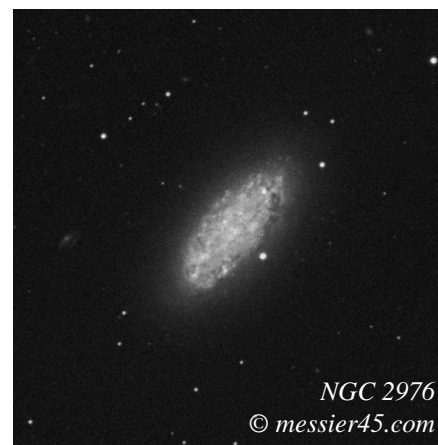
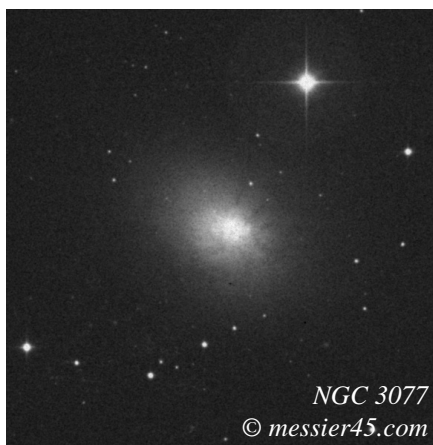
45
 1.4 D, D=76
 1:10
 2-
 1:5
 7-8
 25-
 155 ()
 52-55° ()
 87.5
 10-



Jupiter, UTC+4 20:50
 Sky-watcher BK 767
 D=76mm, F=700mm
 155X, DS Plano 4.5mm
 #56 green/#46 dark
 yellow filters



Sky-watcher 767
 Az1
 87.5 Magnification
 No filters
 Baader Hyperion
 8mm



82.

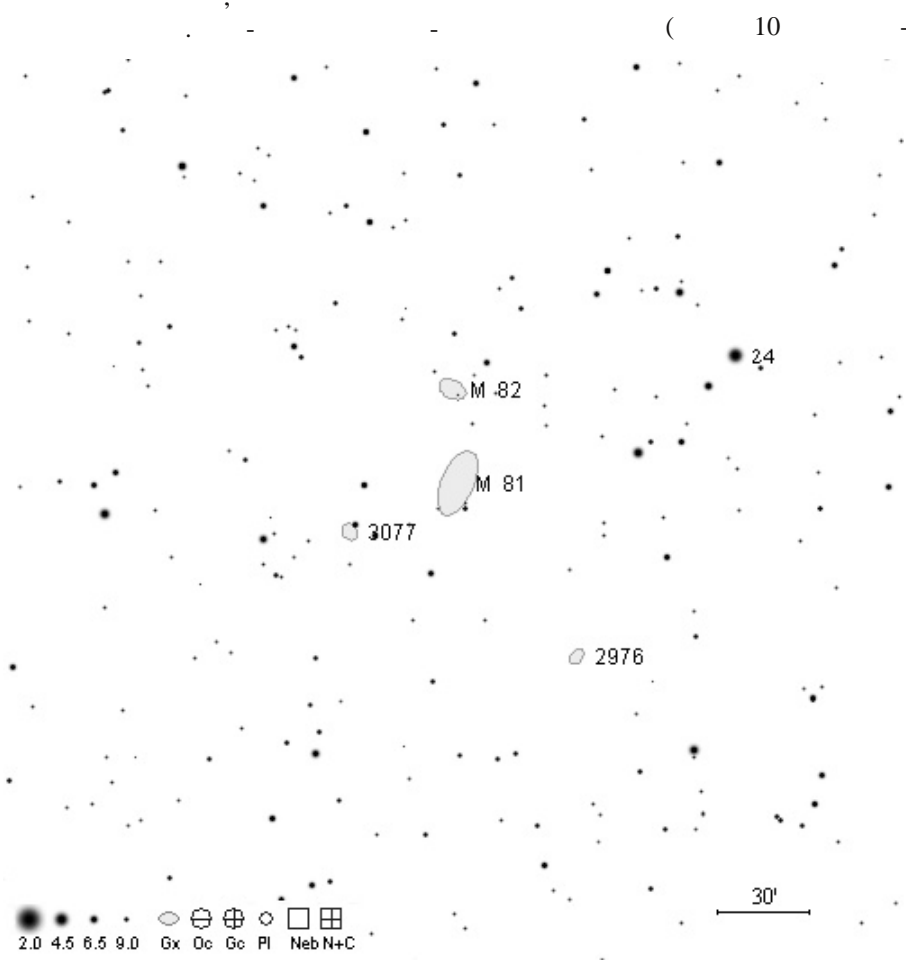
81

81.

81

81 (M81 group).

82



(3.6)

81 82

NGC 2976 NGC 3077.

81 () (9.9m).

), ...

NGC 3077

1943

()

NGC 3077

13 NGC 3077

8

1801 (NGC 2976,)

100-

100

20

20-

NGC 2976.

50

NGC 2976 (10.2m),
81

2.

1943

20 ;

NGC 3077.

- <http://messier.seds.org/>
- en.wikipedia.org
- ru.wikipedia.org

Sdp,

1.

NGC

2976

2012 :

(10m) ;

8.5m.

96P/Machholz,

C/2009 P1 (Garradd).

1-2m.

(0.12 . . .),

2012 C/2009 P1

10m.

6m; C/2009 P1

C/2010 F1 (LINEAR),



C/2009 P1 (Garradd) 7 2012
© . ()



79 (NGC 1904)
45.000
80
6'
 RA.....5h 24.2min
 DEC.....-24d 32min
7.7m

1780
 : «
 ...».
 ;
 ;
 -24

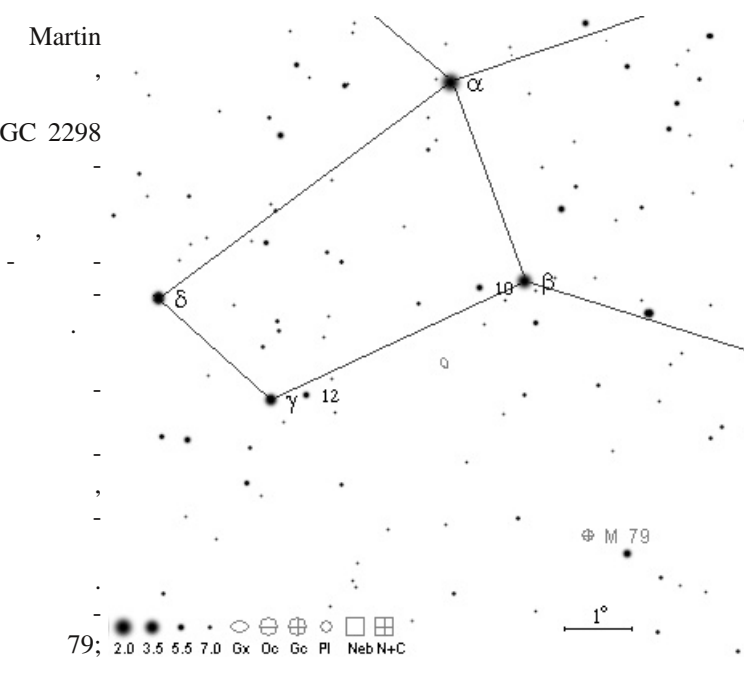
45 000
 , 79
 400
 900
 80
 79

Cheng
 91
 «
 79 -

2004 Martin
 79
 NGC 1851, NGC 2298
 NGC 2808

79
 " " .
 (S.O'Meara)
 79
 (!)
 7.5m,
 10x50 79
 4-
 3',
 5'.

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



1888 . «Touring the Universe through Binoculars» (Philip S. Harrington), «Observing the Night Sky with Binoculars: A Simple Guide to the Heavens» (Stephen James O'Meara), «Viewing the Constellations with Binoculars» (Bojan Kambi)

«Astronomy with an opera-glass» (Garrett Putnam Serviss, 1851–1929), 1903

«Sky and Telescope»
«Binocular Highlight»
(Gary Seronik) –

5–7
?

«».

2 (1.41)

10–20%),

«»

(10 5–7 10–

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R374859142990
41001728330366

« 1 (41), 5 2011 . »

: <http://www.waytostars.ru/index.php/gazeta>

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<http://www.severastro.narod.ru>
: agaz@list.ru