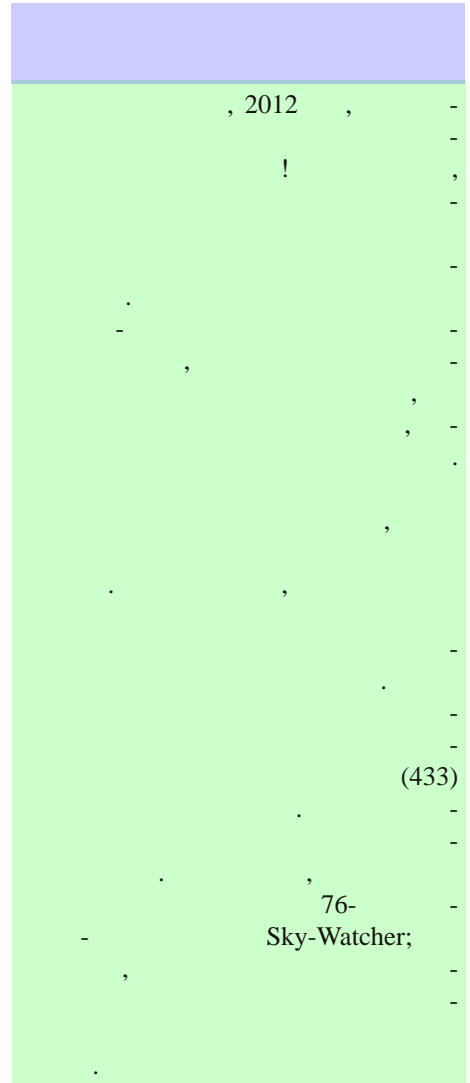
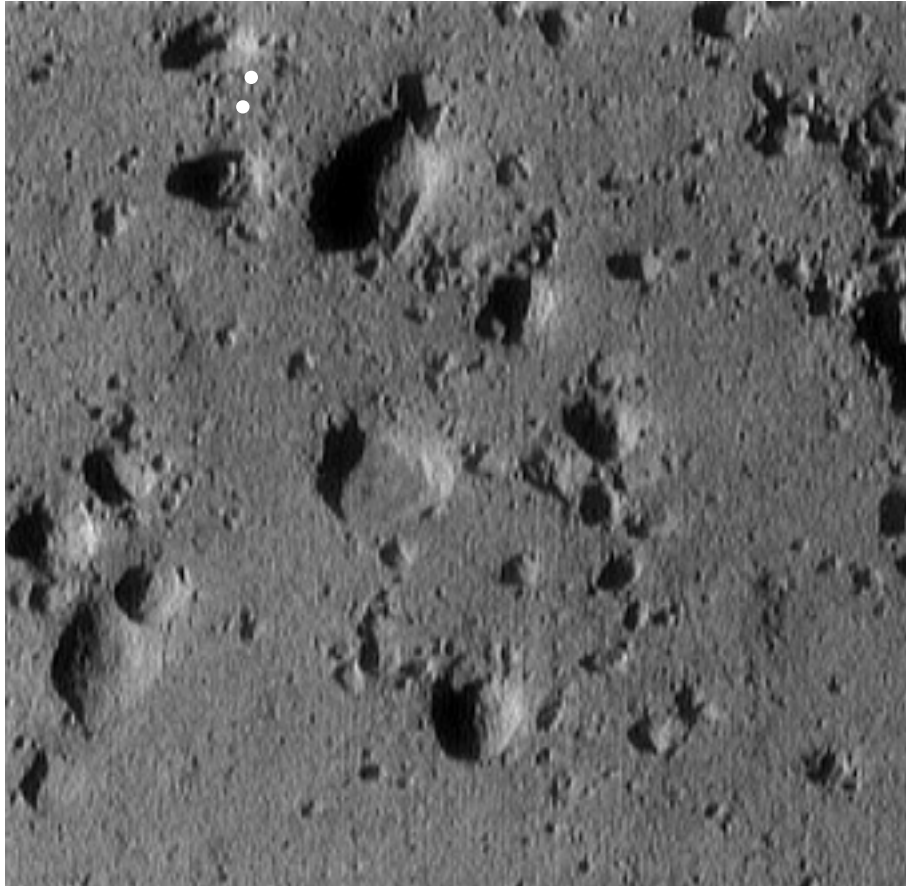




# АСТРОНОМИЧЕСКАЯ ГАЗЕТА

№1 (41)  
5 января 2012 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

<b>(433)</b>	
<b>XXI</b>	
:	
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.

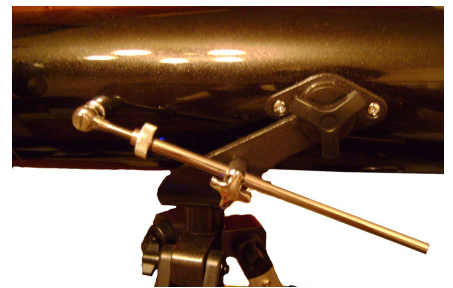


. 2.

. 2

3-5 ( )

10 25



. 6.

30

( 30 )

« » ( . 6).

AZ 1;

Sky Watcher:

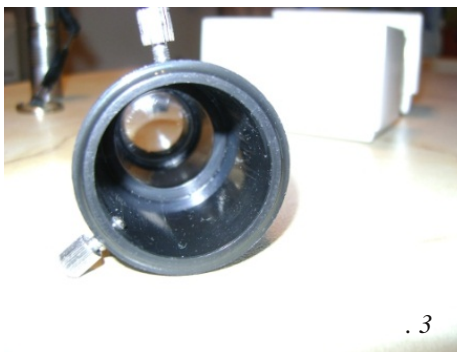
- 25 mm Wide Angle Long eye relief;

- Super 10 mm;

- 2-

6x24;

1:9.2,



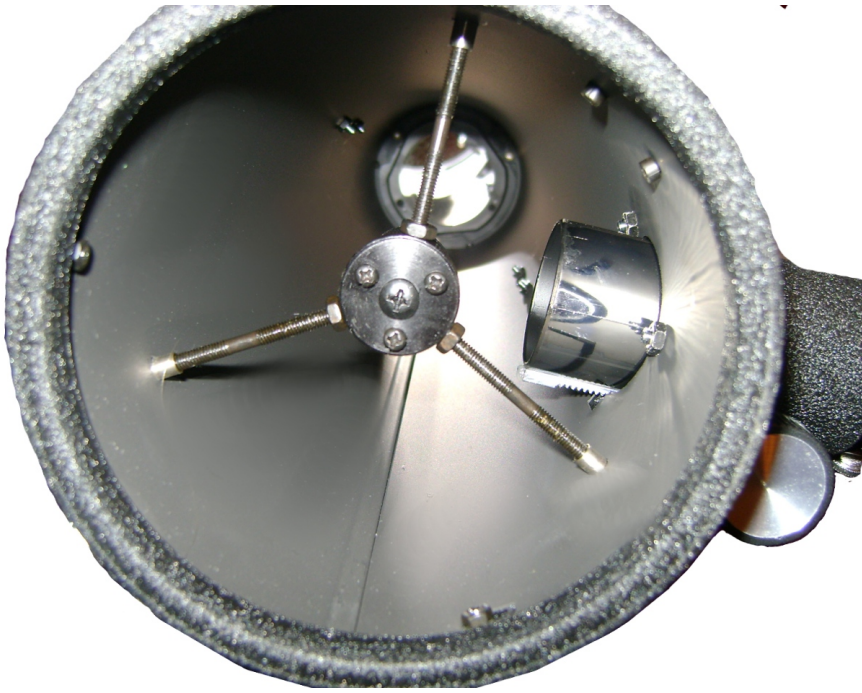
. 3



. 4

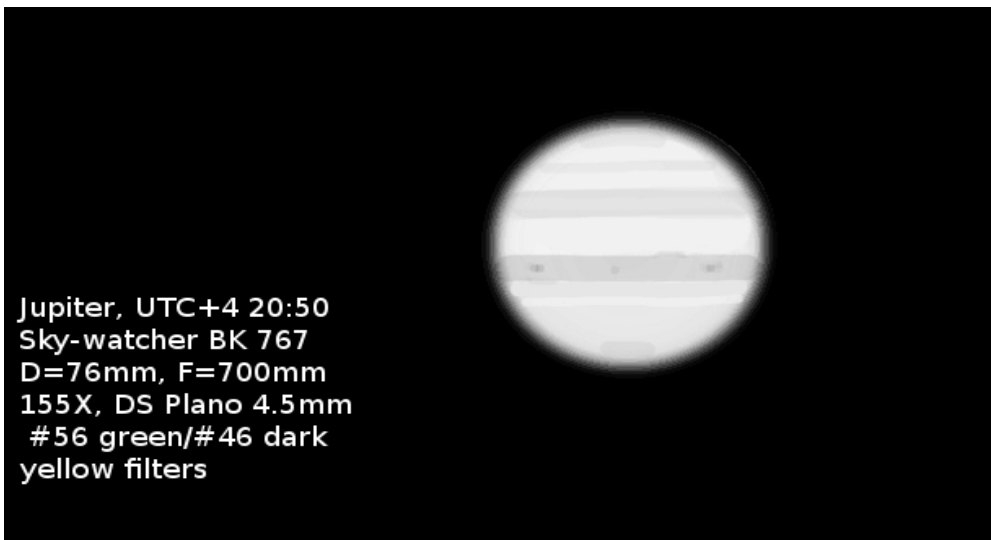


. 5

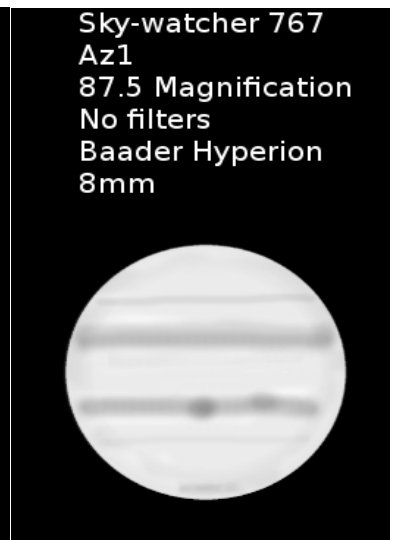


1.5-2 D.

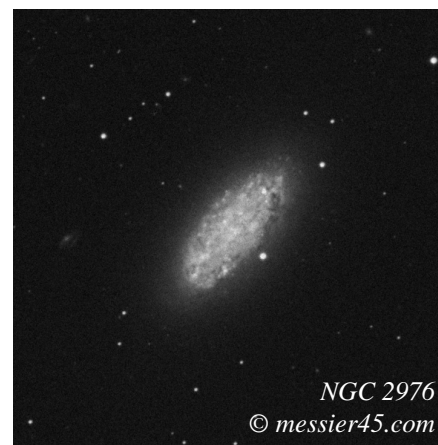
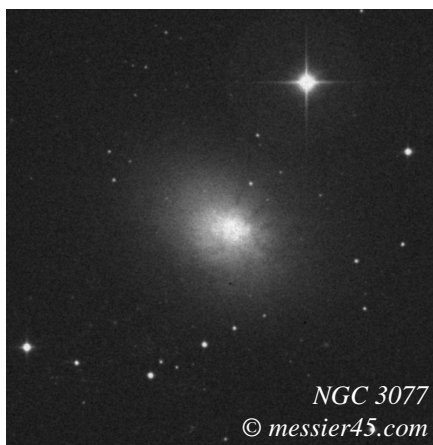
45  
 1.4 D, D=76  
 1:10  
 2-  
 1:5  
 7-8  
 25-  
 155 ( )  
 52-55° ( )  
 87.5  
 10-



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.

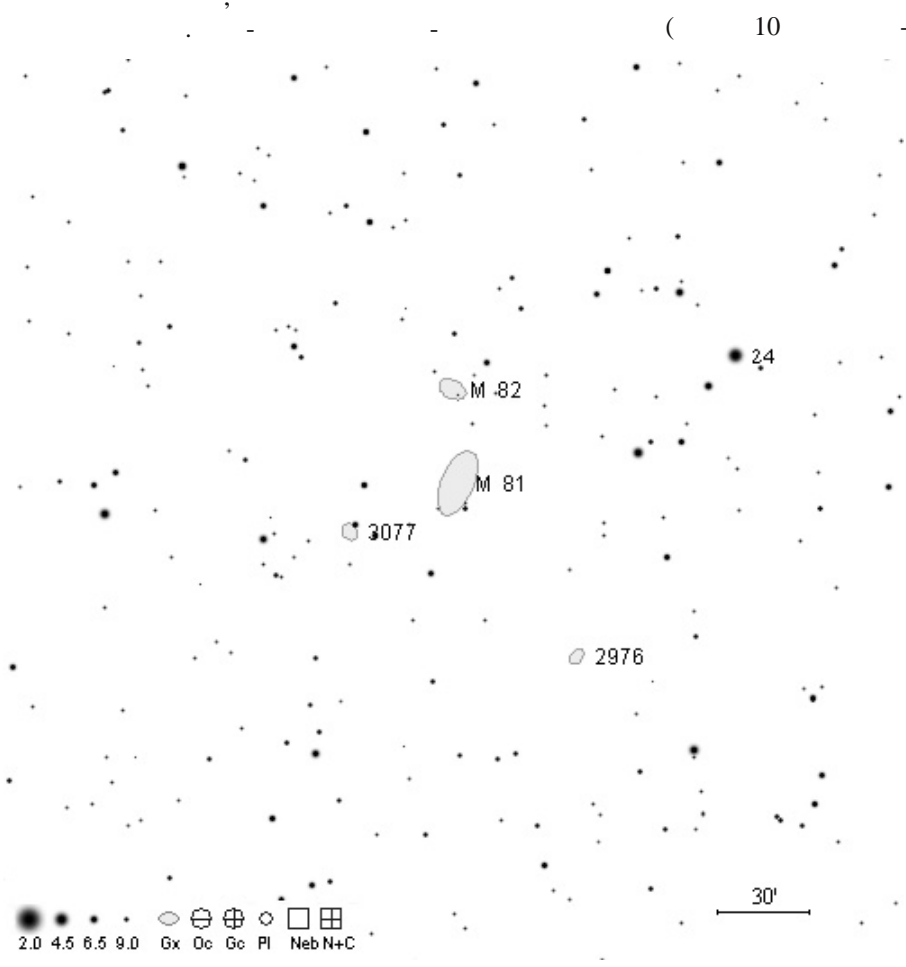
81

81.

81

81 (M81 group).

82



( 3.6 )

81 82

NGC 2976 NGC 3077.

81 ( 3/4 ) (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](http://en.wikipedia.org)  
 - [ru.wikipedia.org](http://ru.wikipedia.org)

Sdp,

1.

NGC

2976

2012 :

8.5m.

96P/Machholz,

C/2009 P1 (Garradd).

1-2m.

(0.12 . . .),

2012 C/2009 P1

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

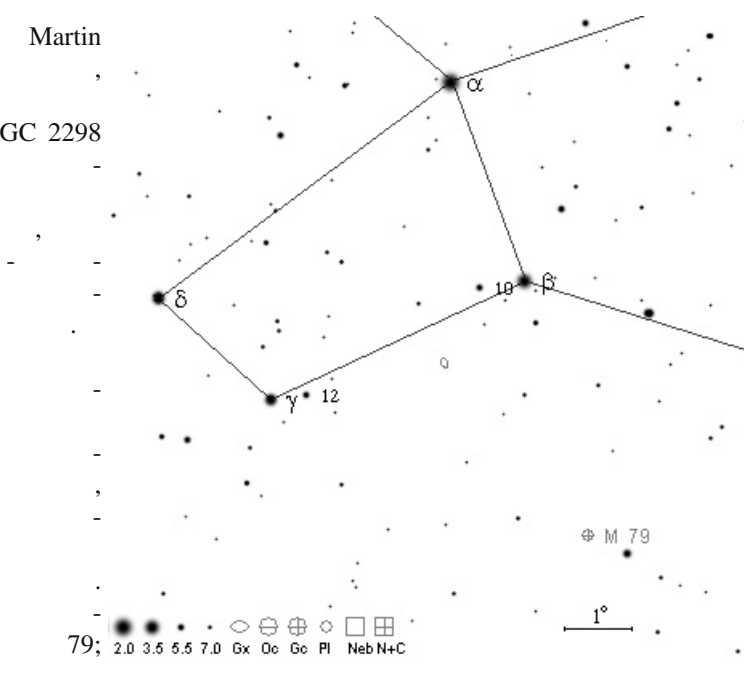
1780 79 26  
 : « - 17  
 ...».  
 ; 79  
 ;  
 :  
 -24  
 ; 79 45 000  
 ;  
 400  
 000 900  
 ;  
 80  
 79

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

Cheng  
 91  
 79 -

2004 Martin  
 79  
 NGC 1851, NGC 2298  
 NGC 2808

*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 )

Stock 2, M24 NGC 6633, IC 4756

«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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: <http://www.waytostars.ru/index.php/gazeta>  
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<http://www.severastro.narod.ru>  
: [agaz@list.ru](mailto:agaz@list.ru)