

Pozorovanie Slnka
v Centre voľného času
v Košiciach









Bezovec 2020



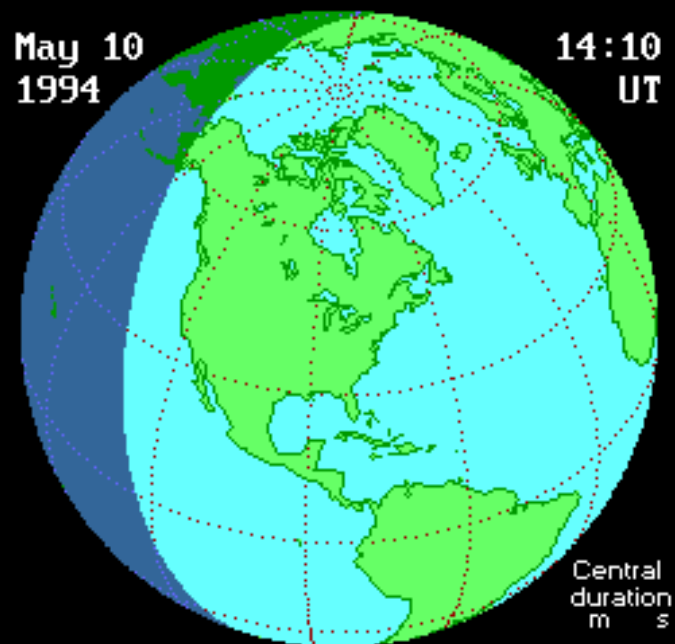
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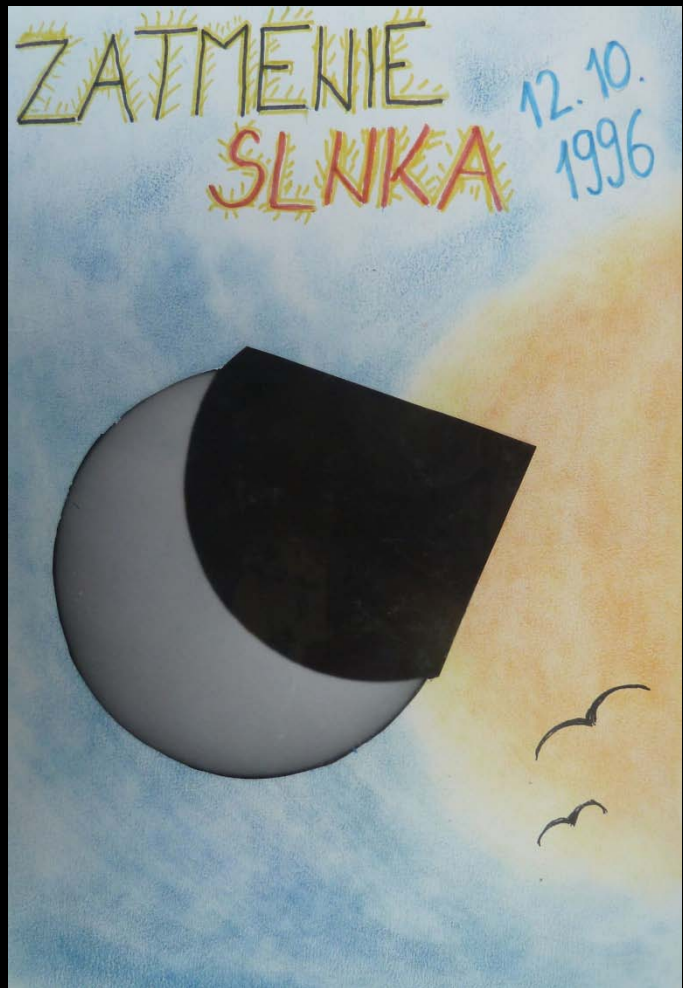




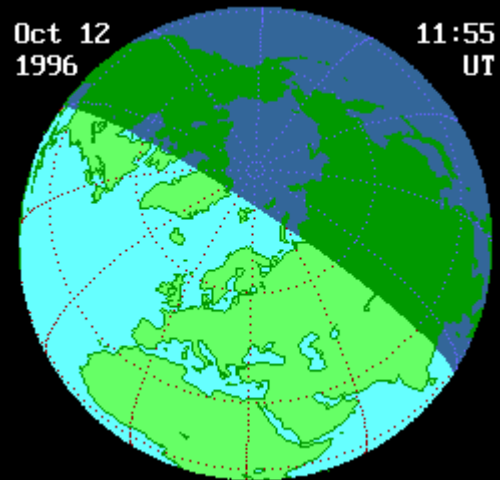


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Zatmenie Slnka 1996
12. októbra 1996



Zatmenie Slnka 1999

11. augusta 1999



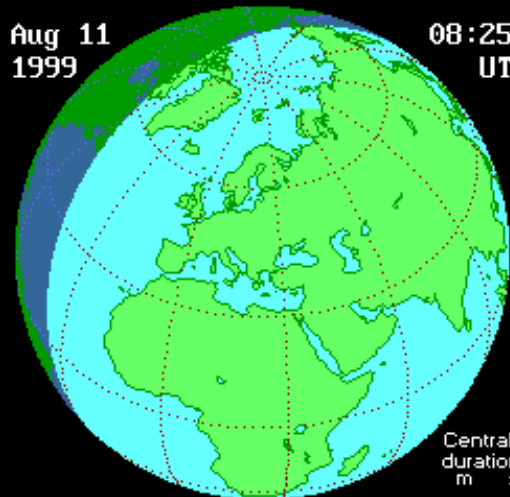
11 8 1999
12:48:45



11 8 1999
12:48:51

Aug 11
1999

08:25
UT



Central
duration
m s



11 8 1999
12:49:24



11 8 1999
12:49:28

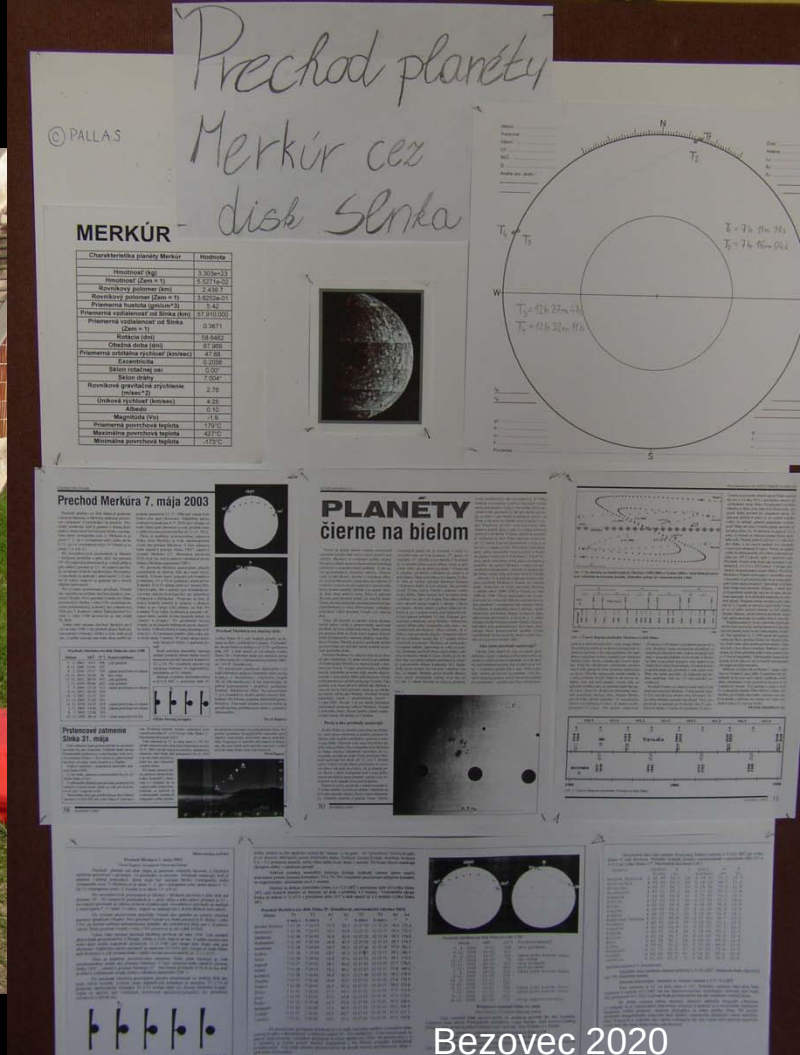
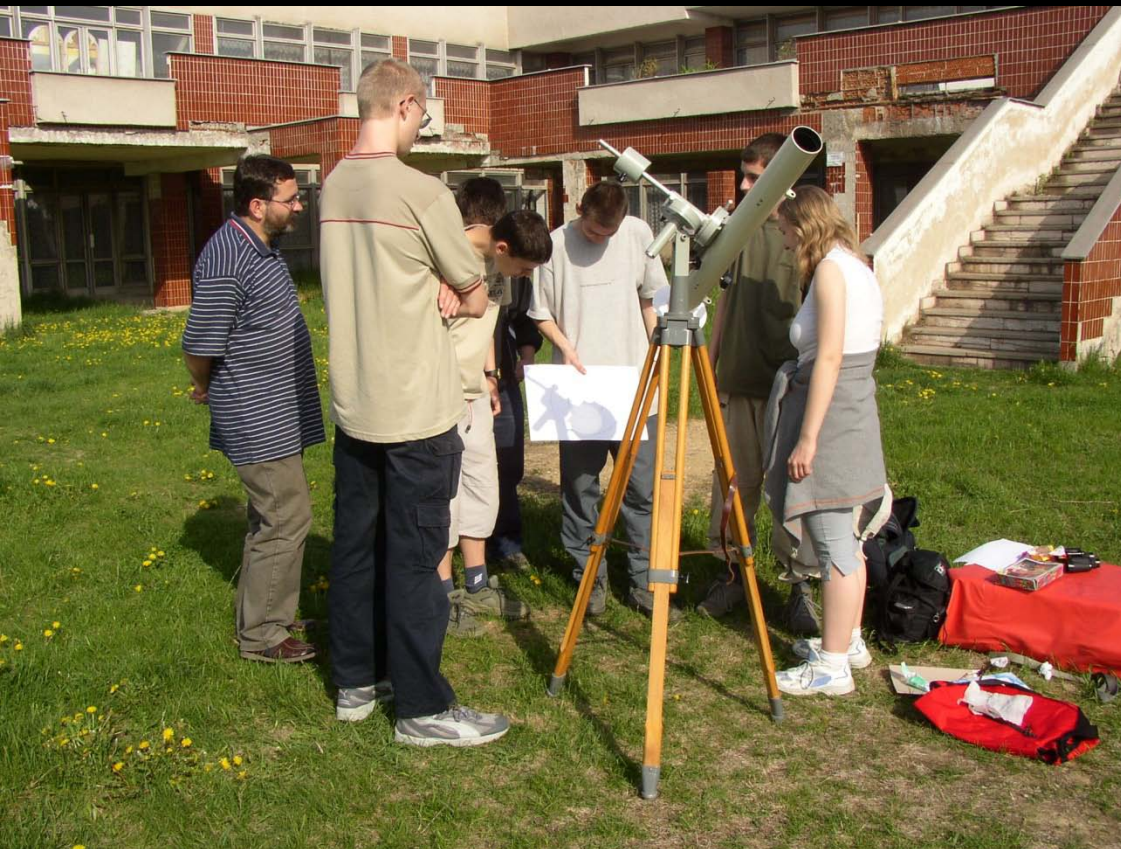
11 8 1999
12:50:37

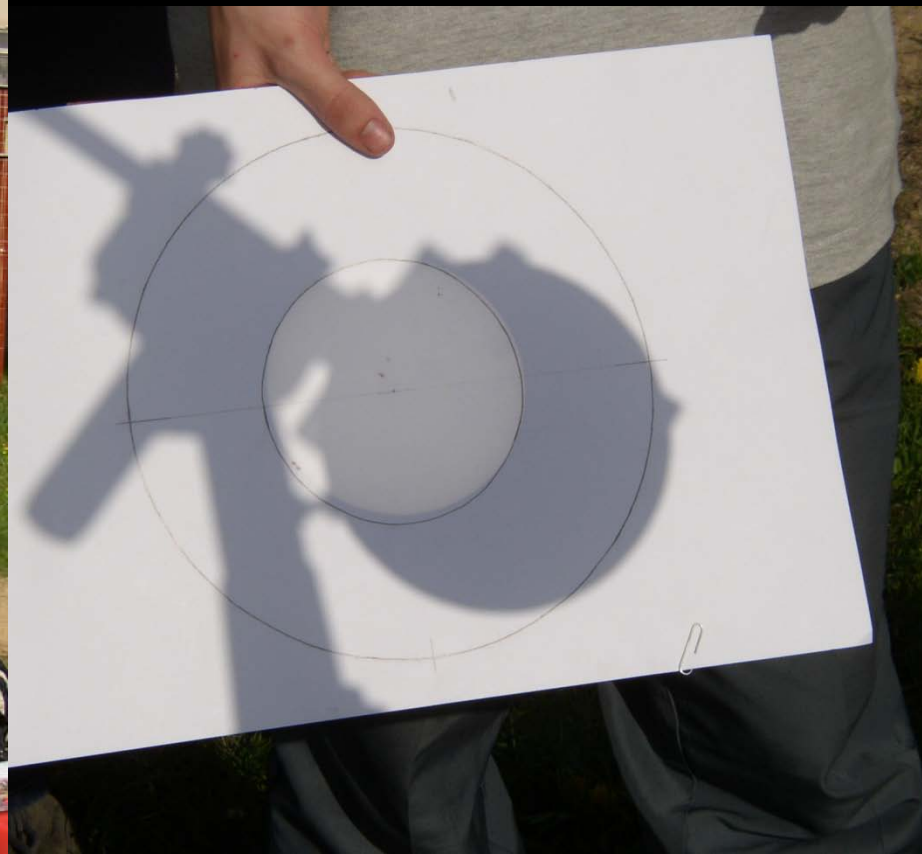


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Merkur Transit 2003

7. máj 2003



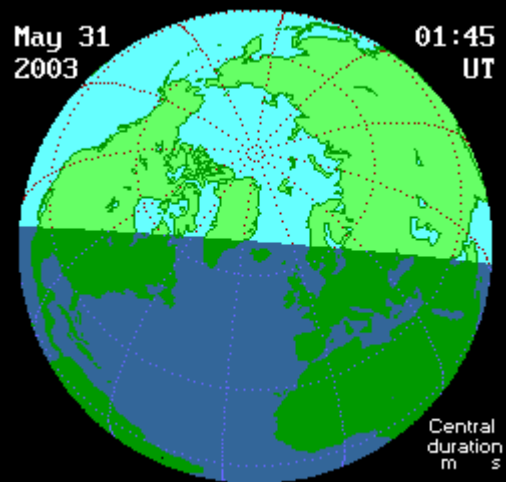


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Merkur Transit 2003 7. máj 2003



Zatmenie Slnka 2003 31. mája 2003



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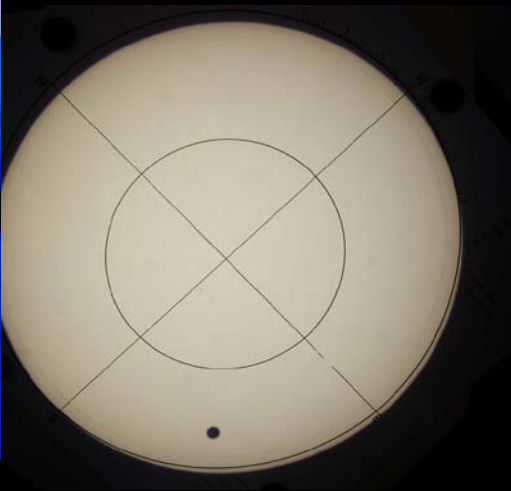


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Zatmenie Slnka 2003 31. mája 2003

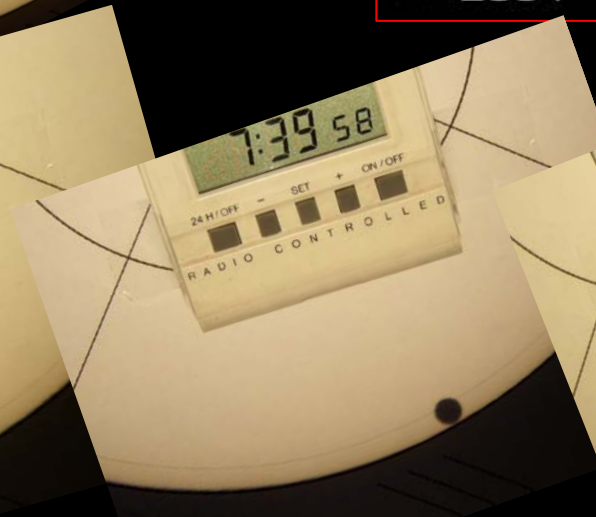


Venus Transit 2004 8. jún 2004



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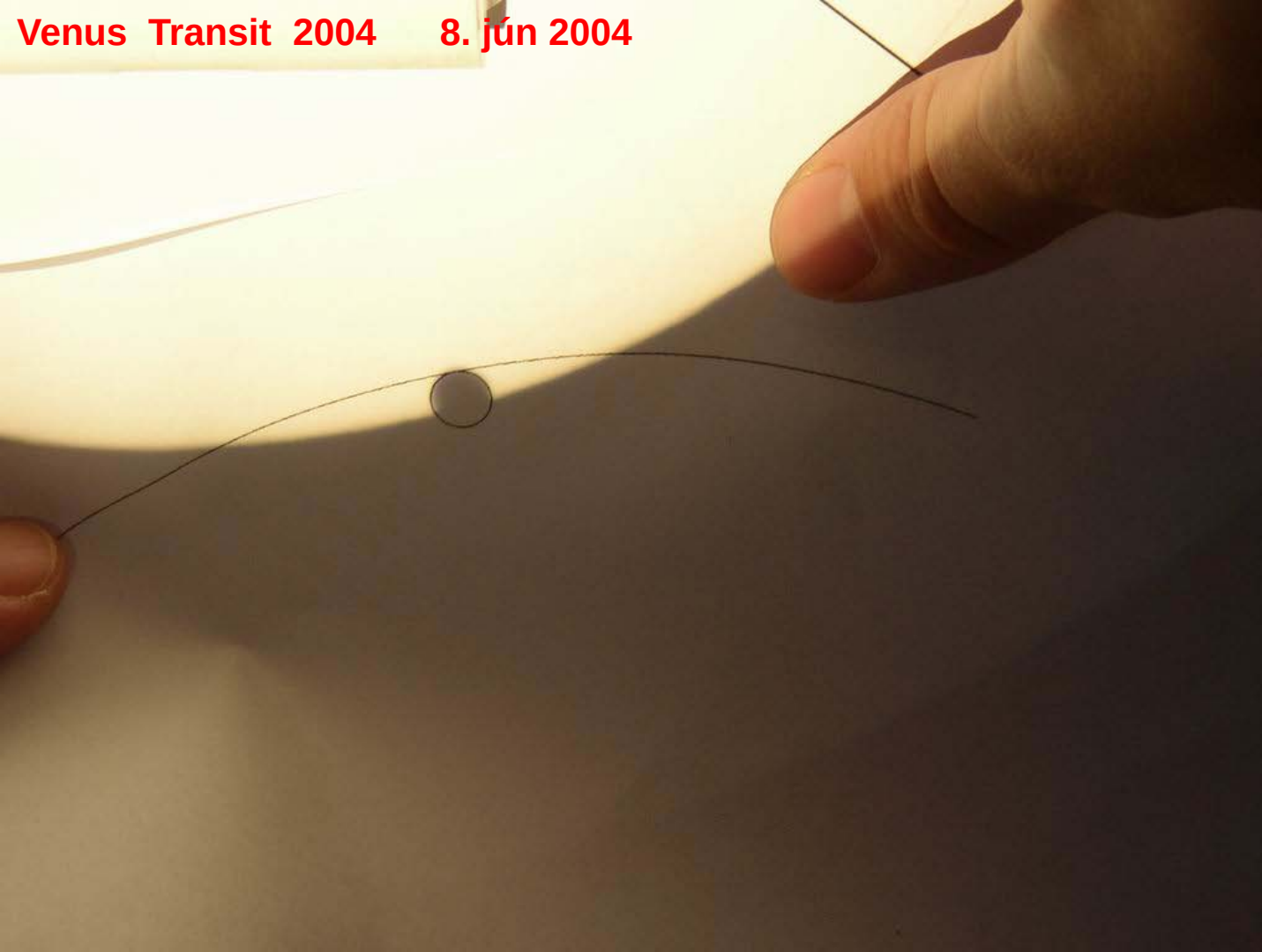
Venus Transit 2004 8. jún 2004



Venus Transit 2004 8. jún 2004

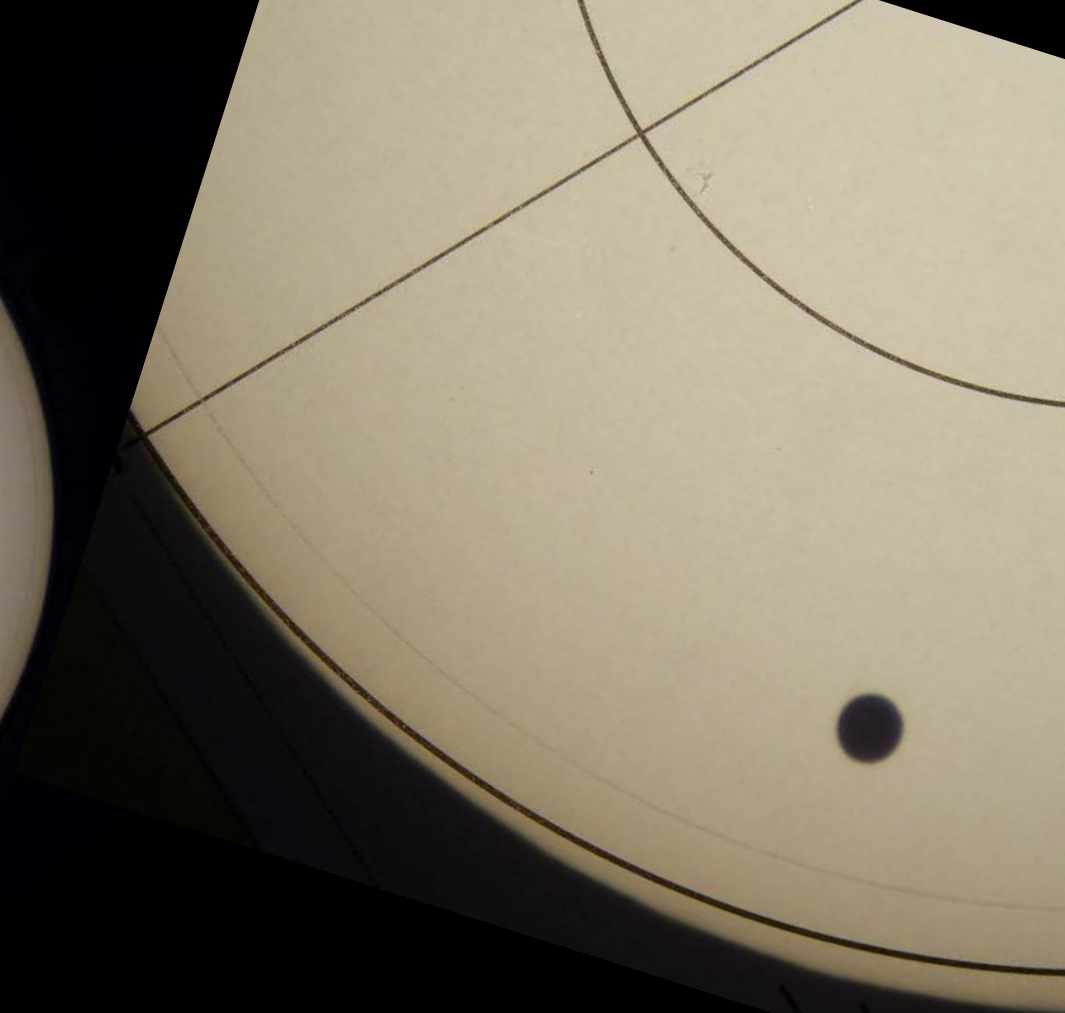
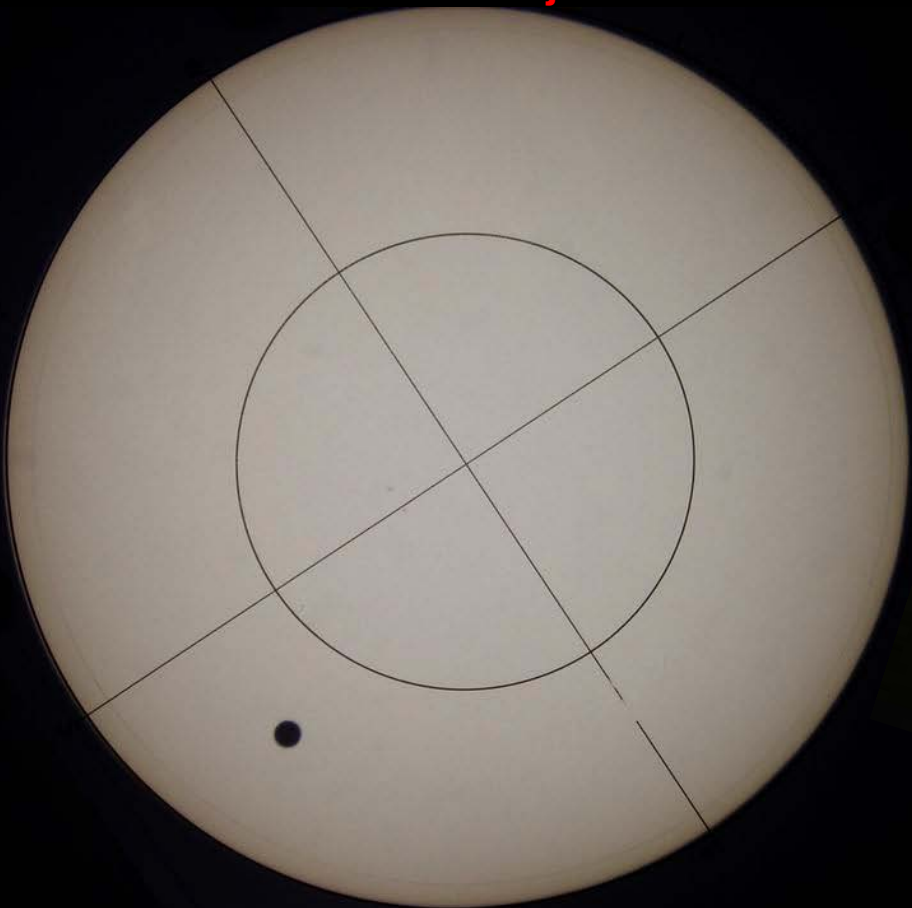


Venus Transit 2004 8. jún 2004



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Venus Transit 2004 8. jún 2004



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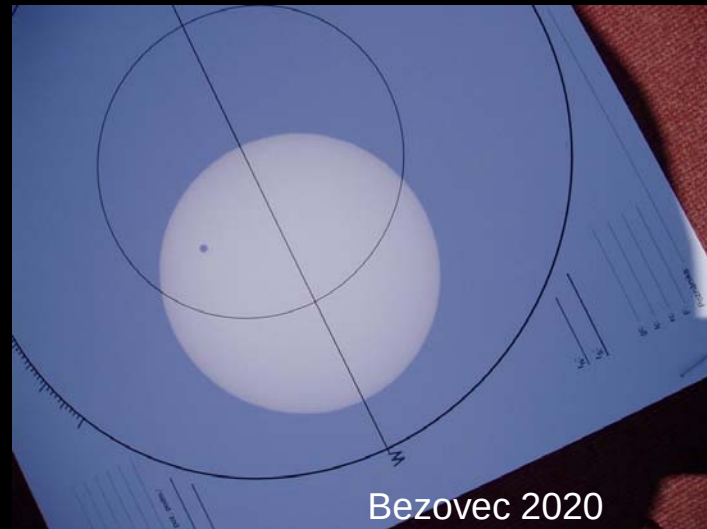
Venus Transit 2004

8. jún 2004

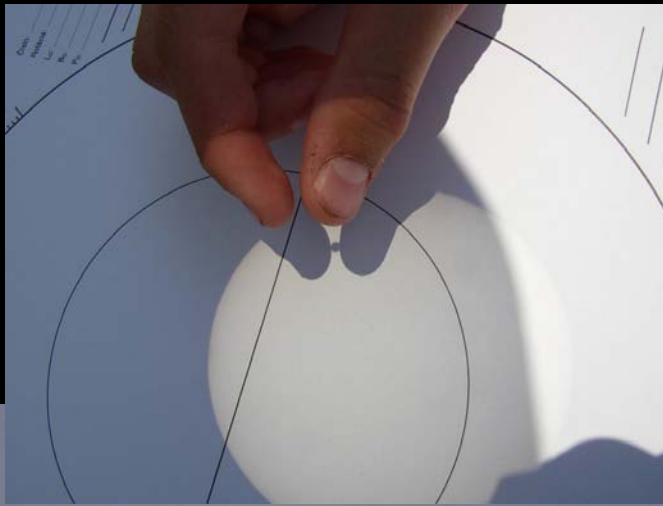


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Venus Transit 2004 8. jún 2004



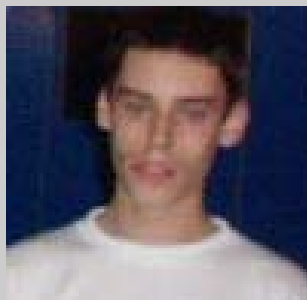
Venus Transit 2004 8. jún 2004



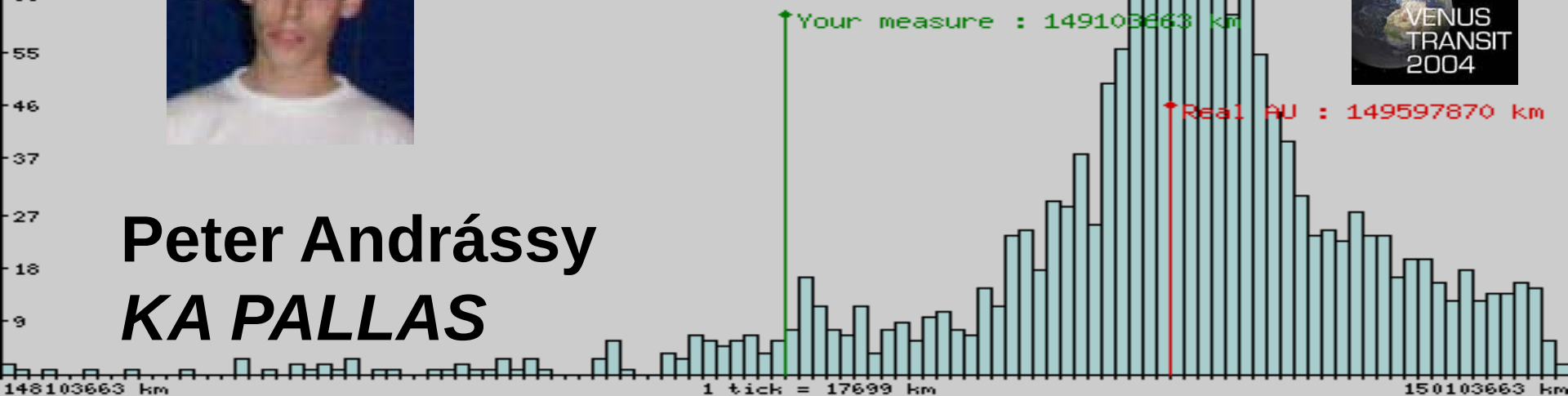
Venus Transit 2004 8. jún 2004



93 observers
Venus Transit 2004 8. jún 2004



Peter Andrassy
KA PALLAS



Refraktor 63/840 – projekčná metóda

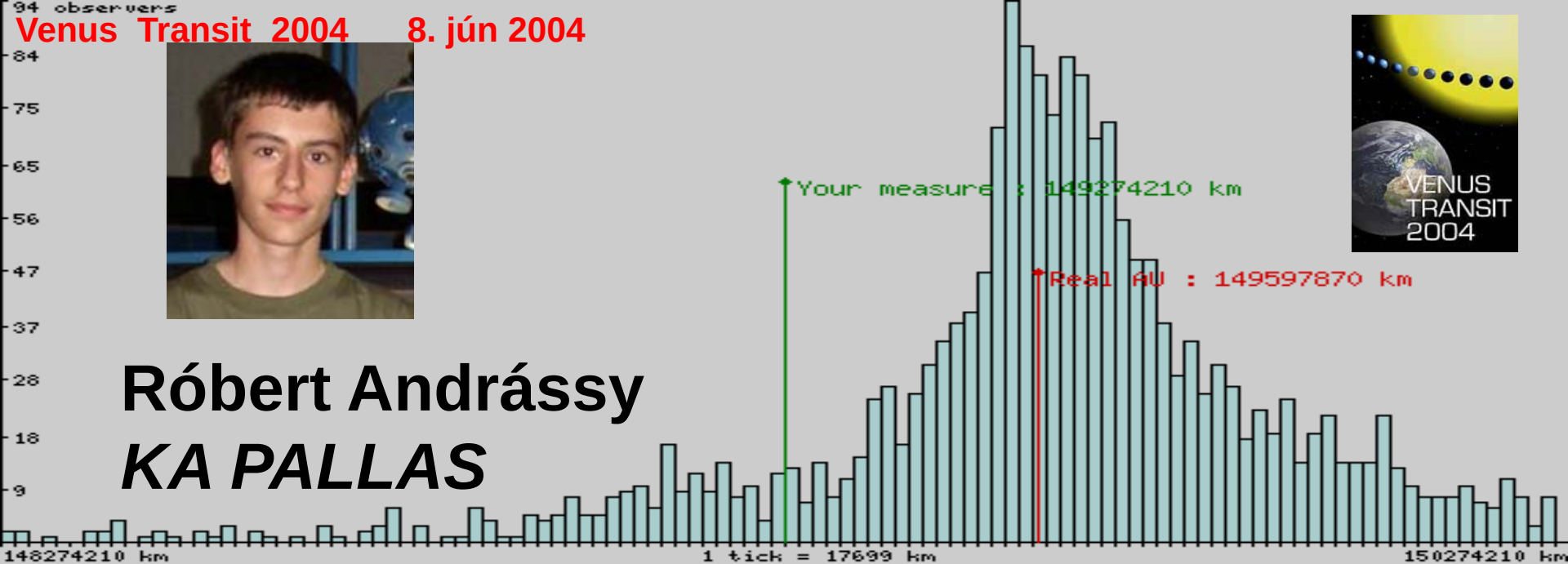
- 1.Kontakt : nemerany
- 2.Kontakt : **5 h 38 min 00,00 s**
- 3.Kontakt : **11 h 04 min 13,00 s**
- 4.Kontakt : nemerany

Nameraná AU : **149 103 663 km**
Paralaxa Slnka : **8,8233 "**
Chyba : **0,330 %**



Róbert Andrassy

KA PALLAS



Refraktor 63/840 – priame pozorovanie pomocou filtra

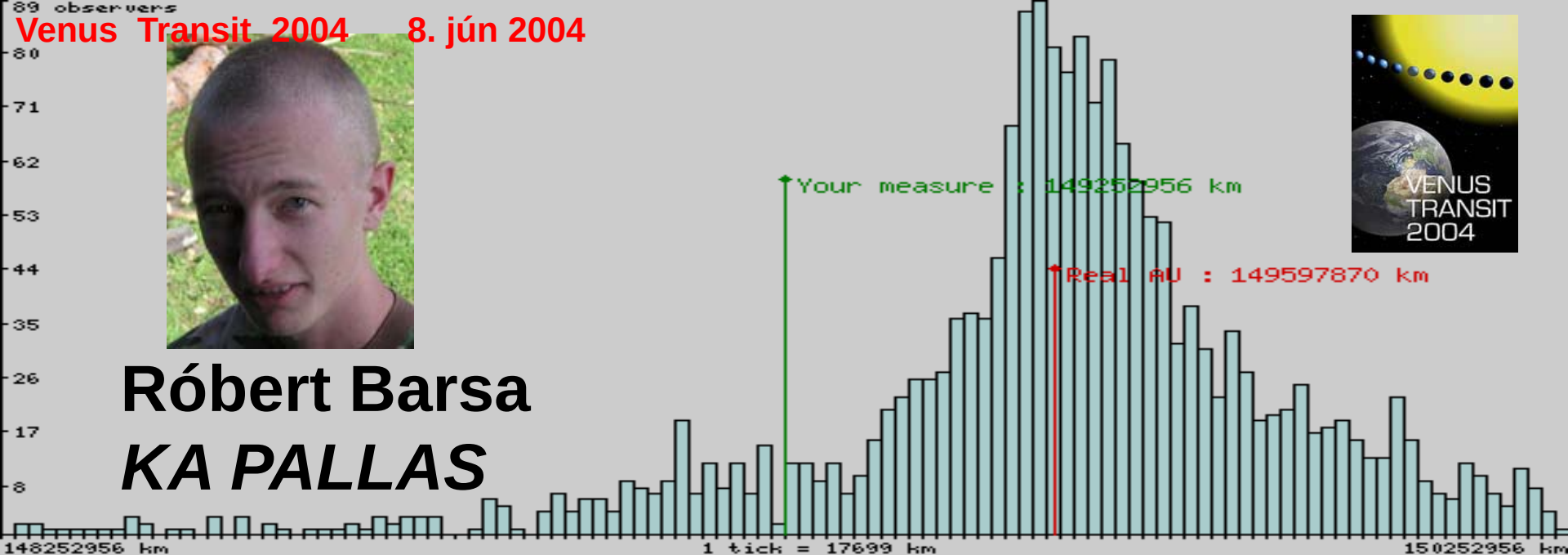
- 1.Kontakt : nemerany
- 2.Kontakt : 5 h 38 min 25,00 s
- 3.Kontakt : 11 h 03 min 56,00 s
- 4.Kontakt : nemerany

Nameraná AU : **149 274 210 km**
Paralaxa Slnka : **8,8132 "**
Chyba : **0,216 %**

89 observers
Venus Transit 2004 8. jún 2004



Róbert Barsa
KA PALLAS



Refraktor coudé 150/2250 – projekčná metóda

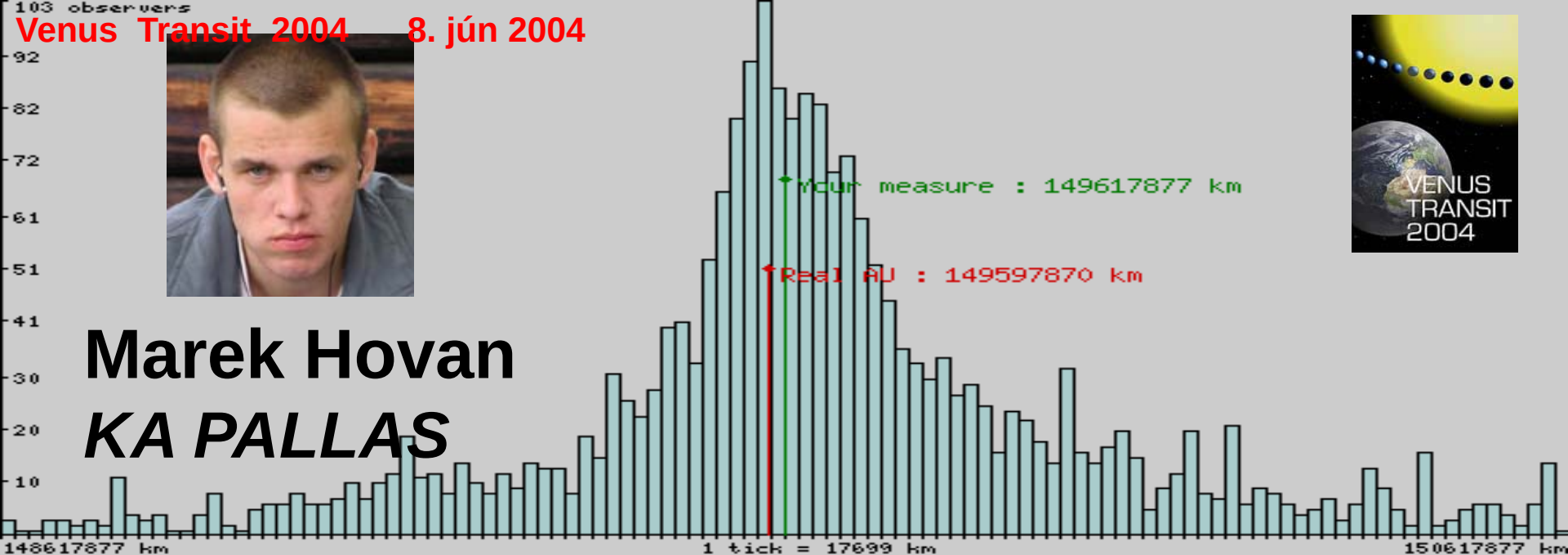
- 1.Kontakt : nemerany
- 2.Kontakt : 5 h 38 min 56,00 s
- 3.Kontakt : 11 h 04 min 32,50 s
- 4.Kontakt : nemerany

Nameraná AU : **149 252 956 km**
Paralaxa Slnka : **8,8145 "**
Chyba : **0,231 %**



Marek Hovan

KA PALLAS



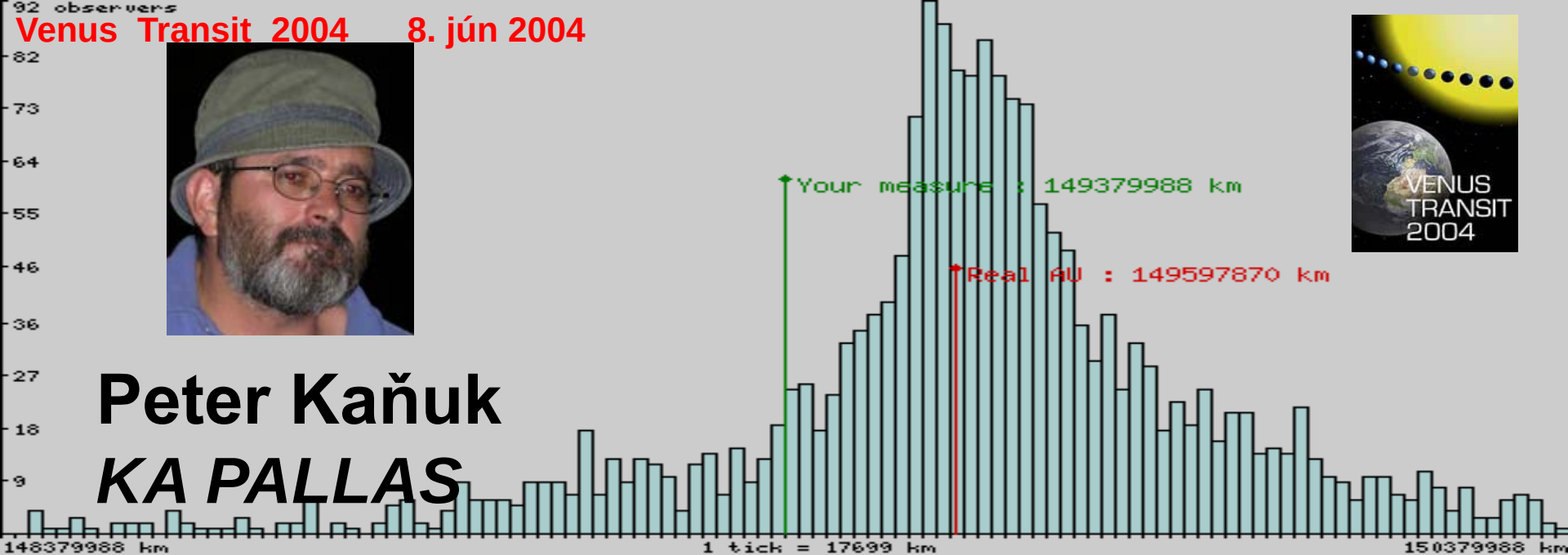
Refraktor 63/840 – projekčná metóda

- 1.Kontakt : 5 h 22 min 35,00 s
- 2.Kontakt : 5 h 37 min 15,00 s
- 3.Kontakt : 11 h 05 min 25,00 s
- 4.Kontakt : 11 h 21 min 25,00 s

Nameraná AU : **149 617 877 km**
 Paralaxa Slnka : **8,7934 "**
 Chyba : **0,013 %**



Peter Kaňuk
KA PALLAS



Refraktor 100/1000 – priame pozorovanie pomocou filtra

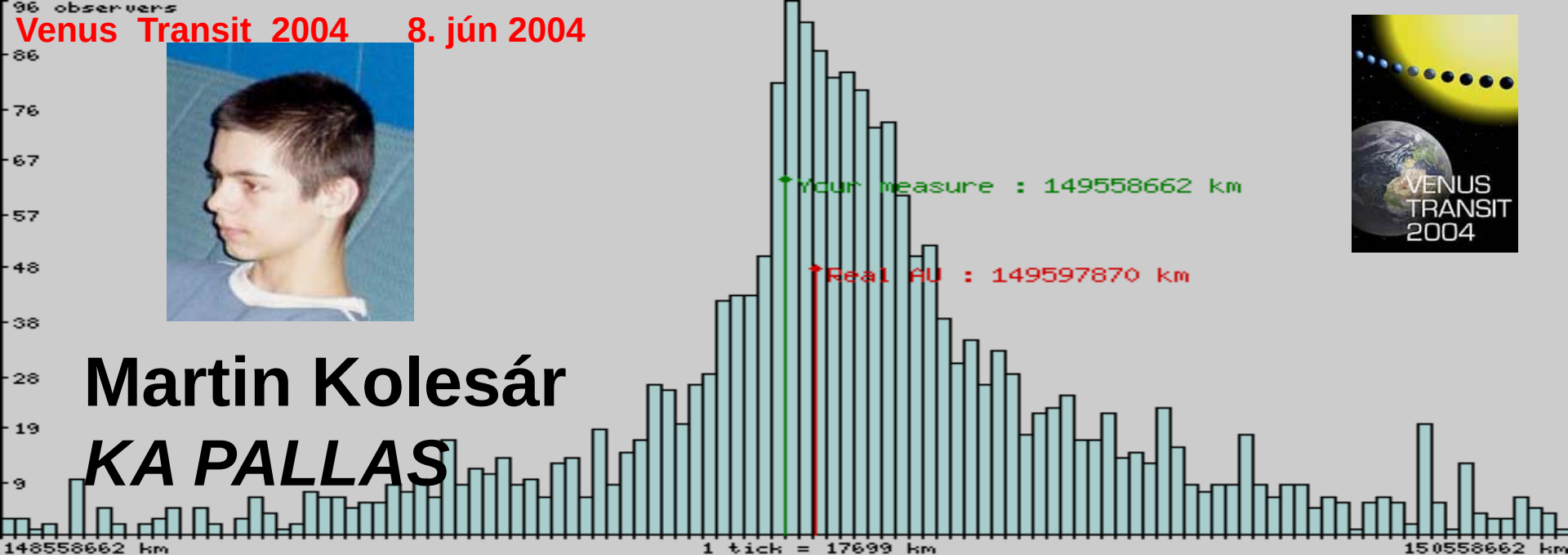
- 1.Kontakt : nemeraný
- 2.Kontakt : **5 h 38 min 48,35 s**
- 3.Kontakt : **11 h 03 min 53,38 s**
- 4.Kontakt : nemeraný

Nameraná AU : **149 379 988 km**
Paralaxa Slnka : **8,8050 "**
Chyba : **0,146 %**

observers
Venus Transit 2004 8. jún 2004



Martin Kolesár
KA PALLAS



Refraktor – projekčná metóda

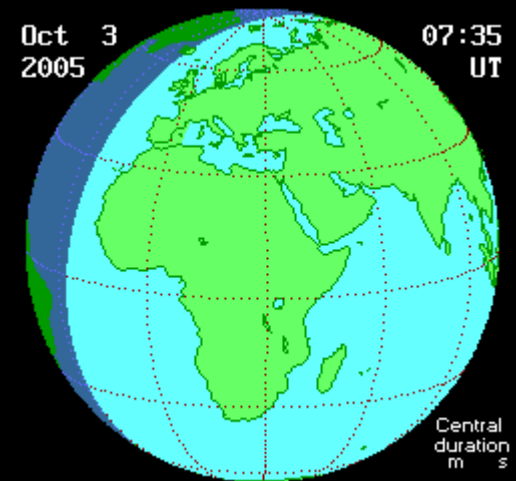
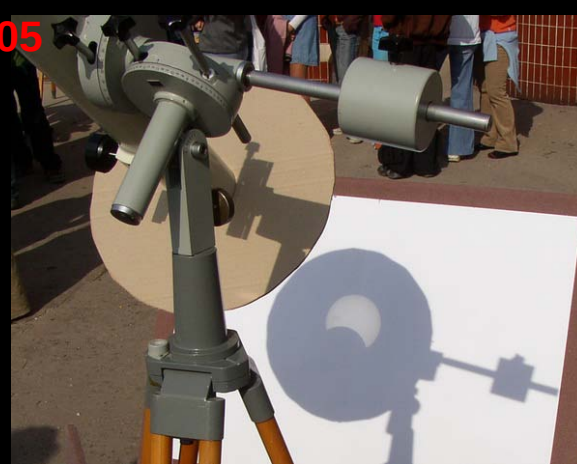
- 1.Kontakt : nemerany
- 2.Kontakt : 5 h 38 min 56,00 s
- 3.Kontakt : 11 h 03 min 17,00 s
- 4.Kontakt : nemerany

Nameraná AU : **149 558 662 km**
Paralaxa Slnka : **8,7965 "**
Chyba : **0,026 %**

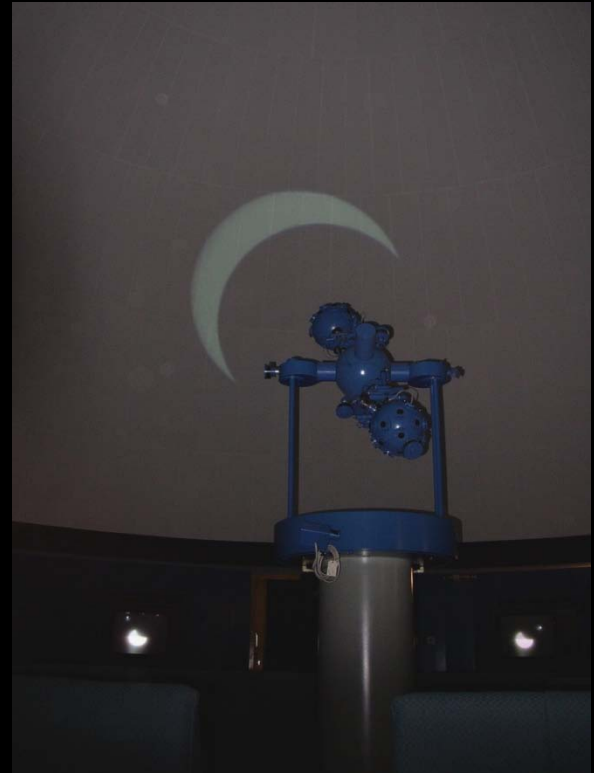
Tabuľka meraní (zdroj: [www stránka vt-2004.org](http://www.stranka.vt-2004.org))

Meno a číslo kontaktu :	Nameraný čas [hh mm ss]	AU : [km]	Paralaxa S: [“]	Rozdiel AU: [km]	R. Par.: [“]	Chyba: [%]
Peter Andrásy 2.k	5 38 0.00	148952240	8.8323	645630	0.0381	0.432
3.k	11 4 13.00	149255086	8.8143	342784	0.0202	0.229
Róbert Andrásy 2.k	5 38 25.00	149155740	8.8202	442130	0.0261	0.296
3.k	11 3 56.00	149392680	8.8062	205190	0.0121	0.137
Róbert Barsa 2.k	5 38 56.00	149408495	8.8053	189375	0.0112	0.127
3.k	11 4 32.50	149097417	8.8237	500453	0.0295	0.335
Marek Hovan 1.k	5 22 35.00	150958107	8.7149	1360237	0.0792	0.909
2.k	5 37 15.00	148584299	8.8541	1013571	0.0600	0.678
3.k	11 5 25.00	148678475	8.8485	919395	0.0544	0.615
4.k	11 21 25.00	150250628	8.7559	652758	0.0382	0.436
Peter Kaňuk 2.k	5 38 48.35	149346079	8.8090	251791	0.0148	0.168
3.k	11 3 53.38	149413898	8.8050	183972	0.0108	0.123
Martin Kolesár 2.k	5 38 56.00	149408493	8.8053	189377	0.0112	0.127
3.k	11 3 17.00	149708830	8.7876	110960	0.0065	0.074

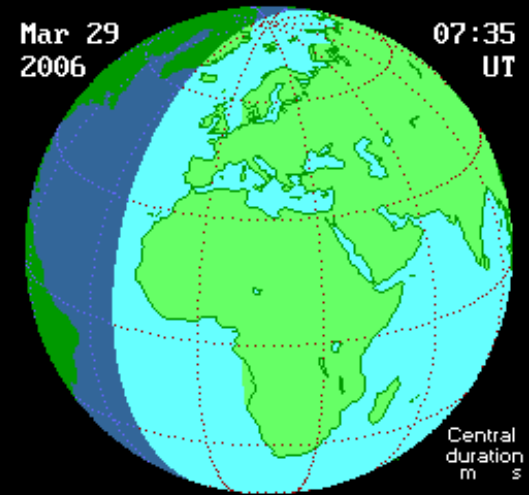
Zatmenie Slnka 2005 3. októbra 2005



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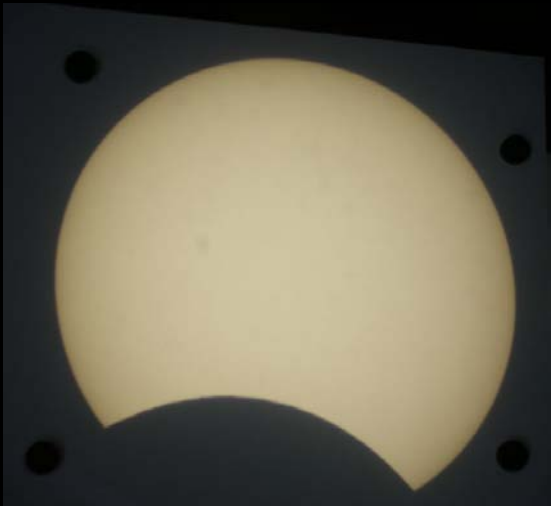
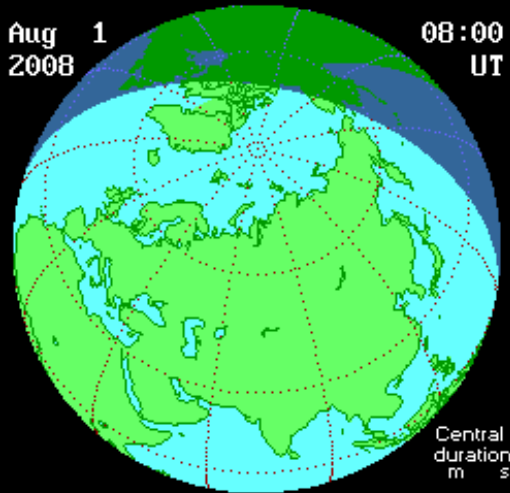


Zatmenie Slnka 2006 29. marca 2006



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Zatmenie Slnka 2008 1. augusta 2008



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Zatmenie Slnka 2008 1. augusta 2008



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Zatmenie Slnka 2008 1. augusta 2008



Zatmenie Slnka 2008 1. augusta 2008



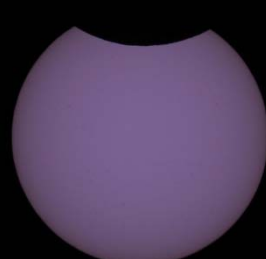
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Zatmenie Slnka 2008 1. augusta 2008



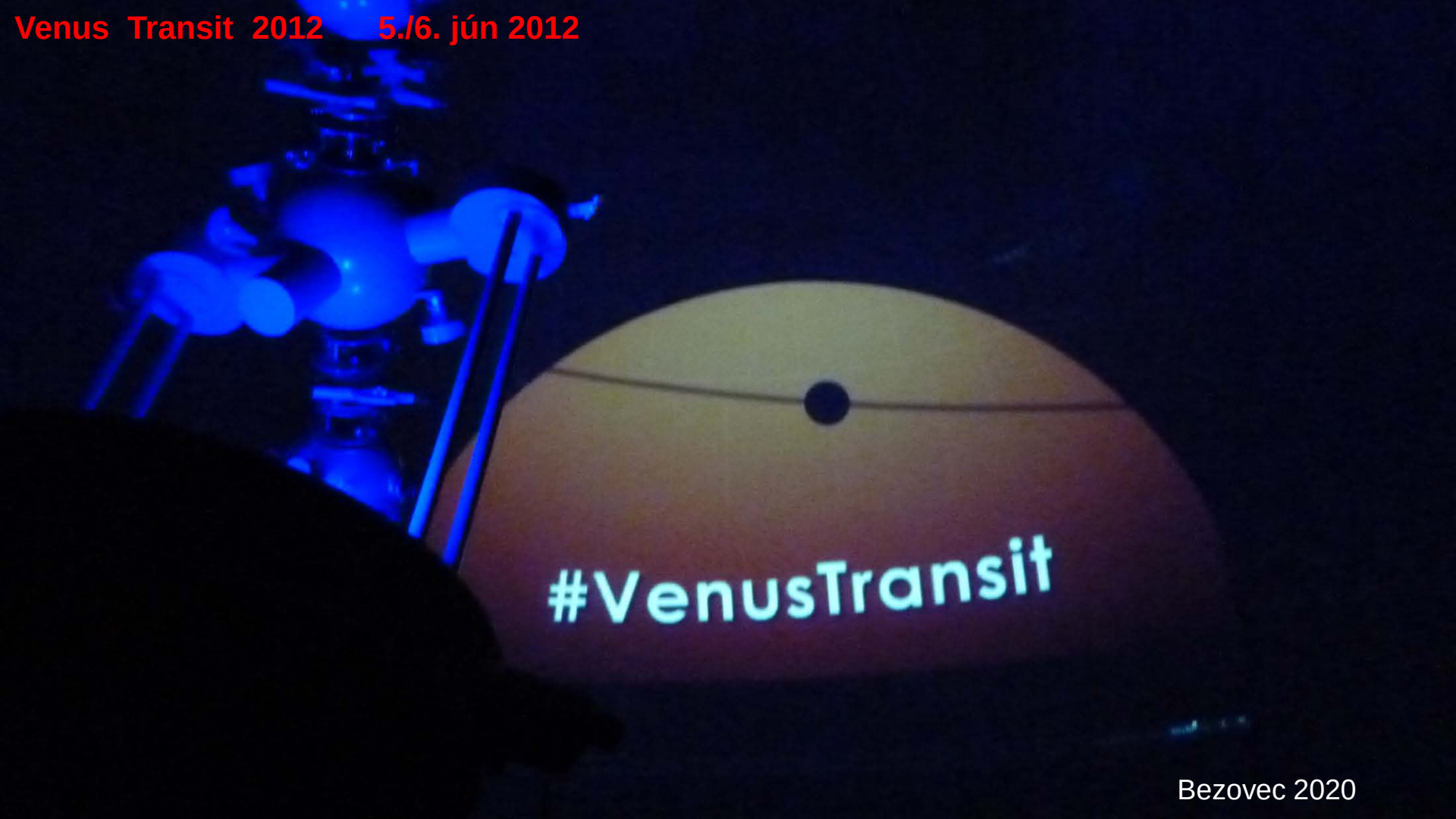
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Zatmenie Slnka 2008 1. augusta 2008



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Venus Transit 2012 5./6. jún 2012



#VenusTransit

Venus Transit 2012 5./6. jún 2012



A008_C001



NASA HI



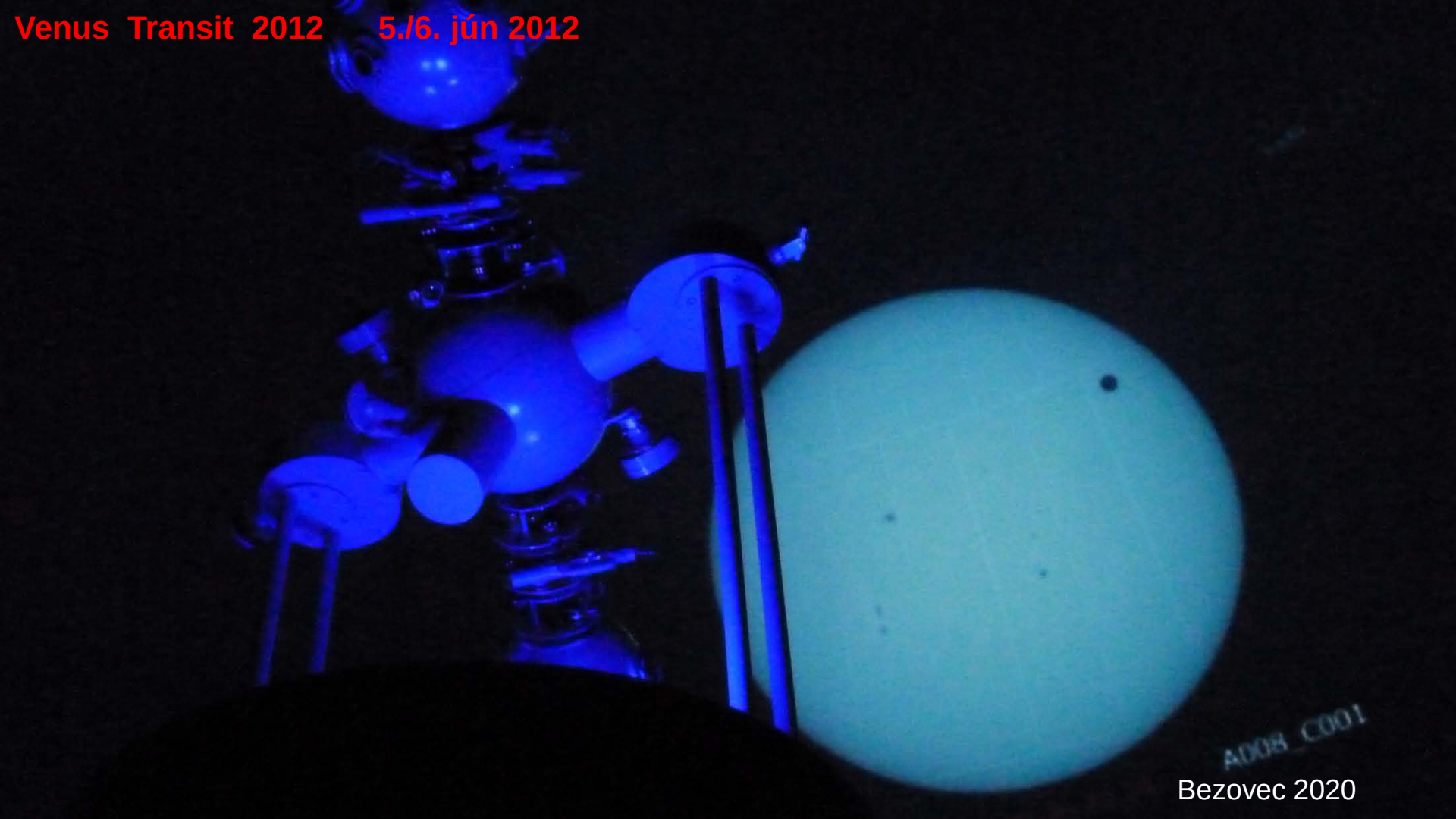
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Venus Transit 2012 5./6. jún 2012



Bezovec 2020

Venus Transit 2012 5./6. jún 2012



A008_C001

Bezovec 2020

Venus Transit 2012 5./6. jún 2012



Bezovec 2020

Venus Transit 2012 5./6. jún 2012



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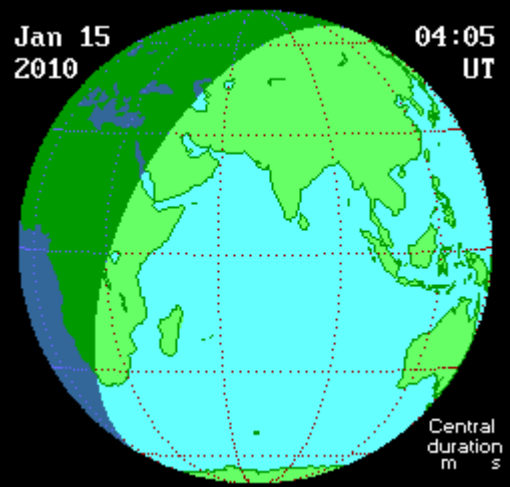
Venus Transit 2012 5./6. jún 2012



Foto: Peter Begeni

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Zatmenie Slnka 2015 15. januára 2015



Zatmenie Slnka 2015 15. januára 2015



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Zatmenie Slnka 2015 15. januára 2015



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Zatmenie Slnka 2015 15. januára 2015



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Zatmenie Slnka 2015 15. januára 2015



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Zatmenie Slnka 2015 15. januára 2015



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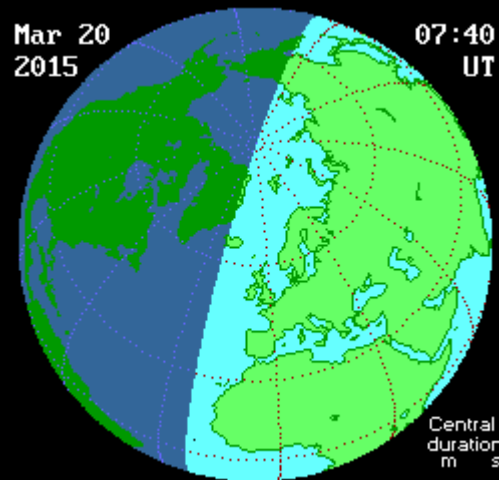


Zatmenie Slnka 2015 20. marca 2015



Mar 20
2015

07:40
UT



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Zatmenie Slnka 2015 20. marca 2015



Zatmenie Slnka 2015 20. marca 2015



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Zatmenie Slnka 2015 20. marca 2015



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Zatmenie Slnka 2015 20. marca 2015



Bezovec 2020

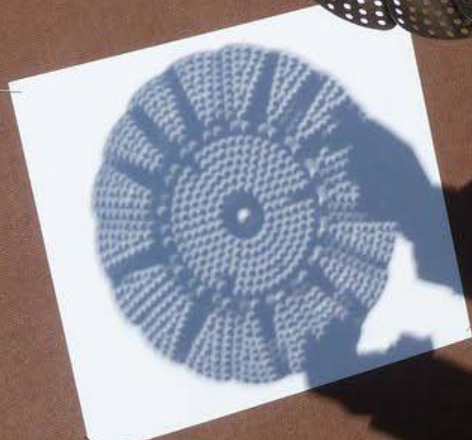


Zatmenie Slnka 2015 20. marca 2015



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Zatmenie Slnka 2015 20. marca 2015



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Zatmenie Slnka 2015 20. marca 2015



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Zatmenie Slnka 2015 20. marca 2015



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Merkur Transit 2016 9. máj 2016



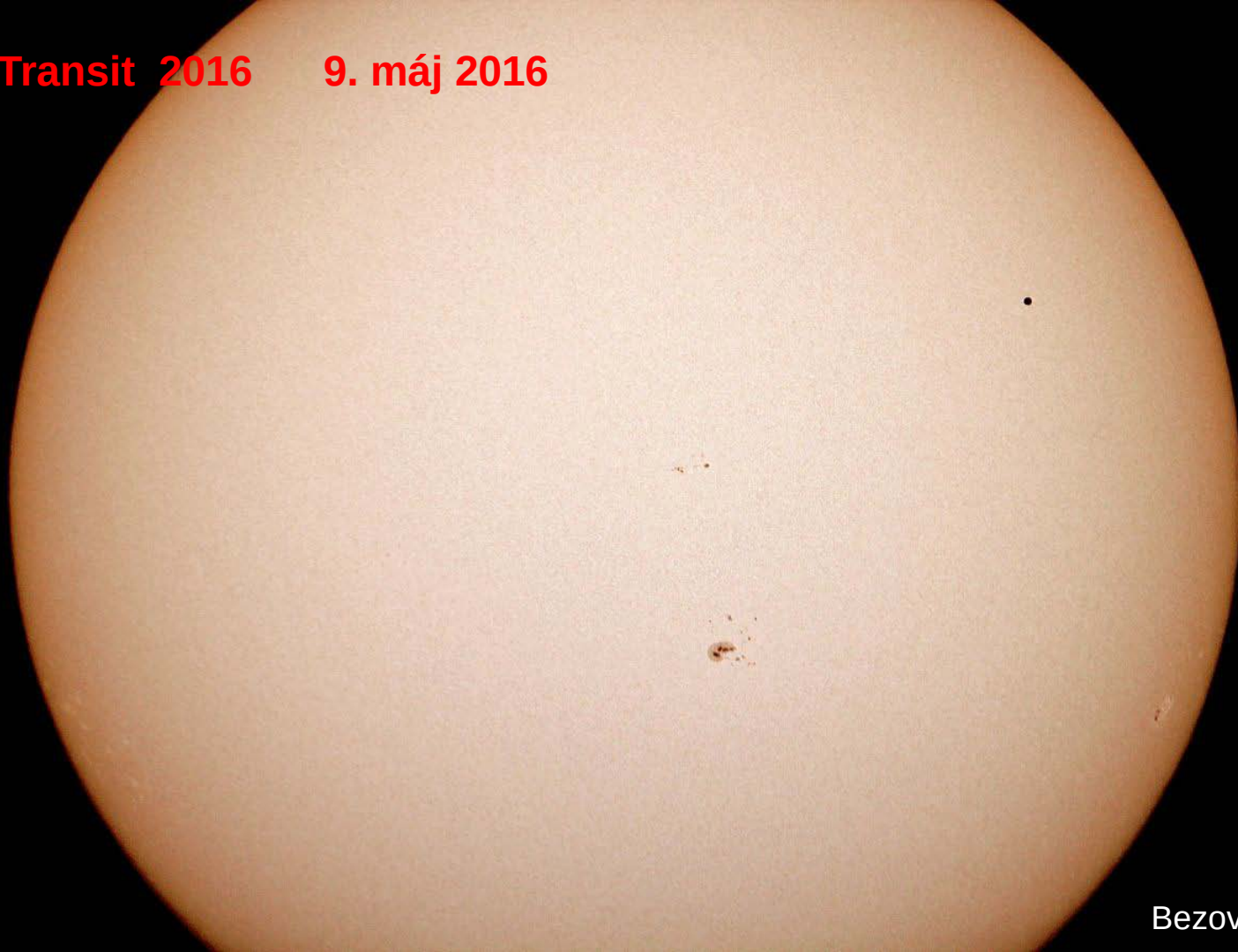
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Merkur Transit 2016 9. máj 2016



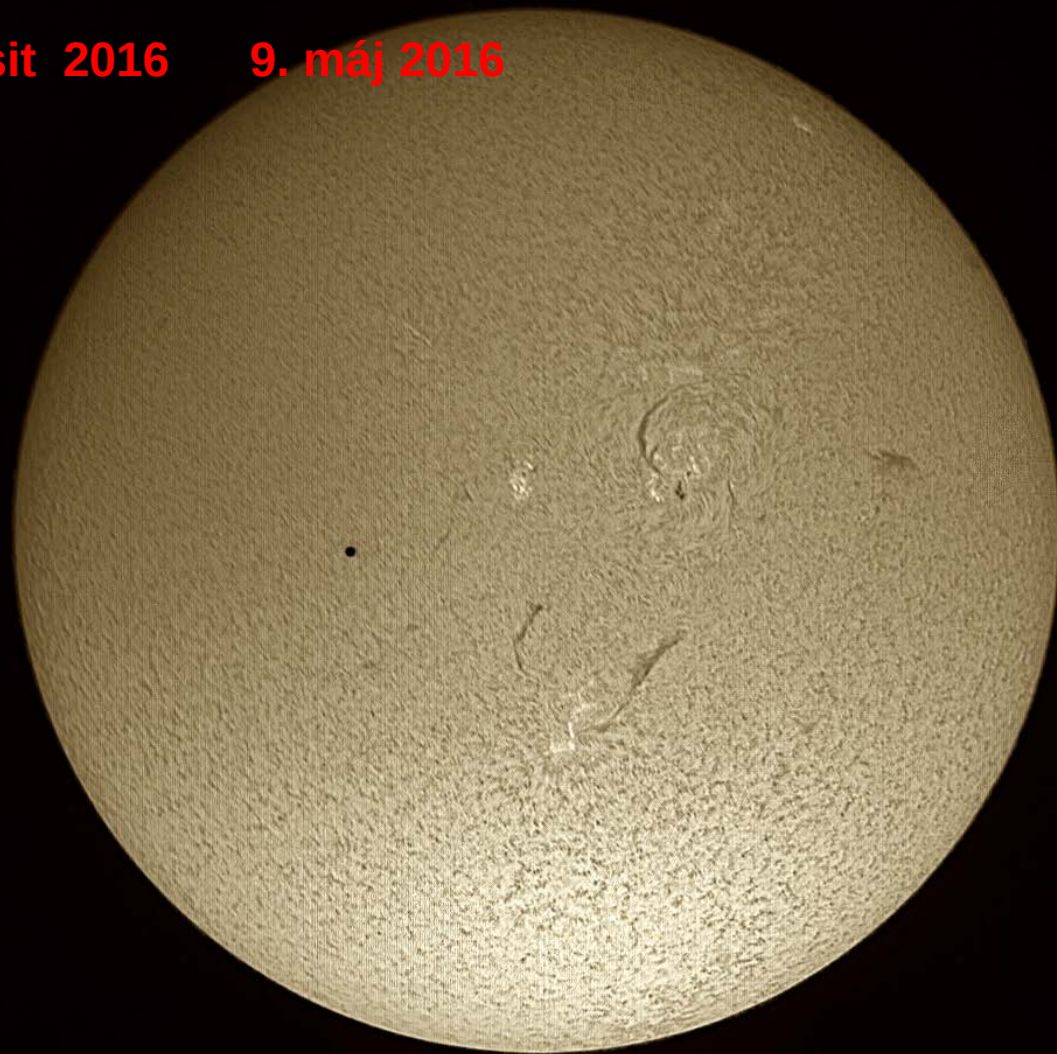
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Merkur Transit 2016 9. máj 2016



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Merkur Transit 2016 9. máj 2016



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Ďakujem
za pozornosť