



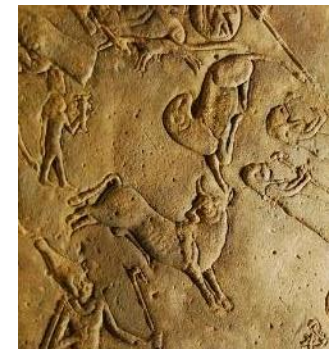
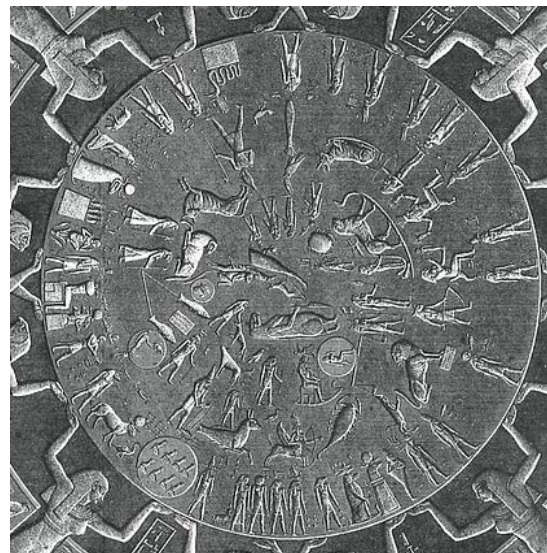
Zodiac tomb, Antribis
cf. Flinders Petrie, *Antribis*, 1908, pl. xxxviii



One-legged Taurus being
killed by Horus
Denderah



Seti I



Denderah ceiling
Paris, Louvre



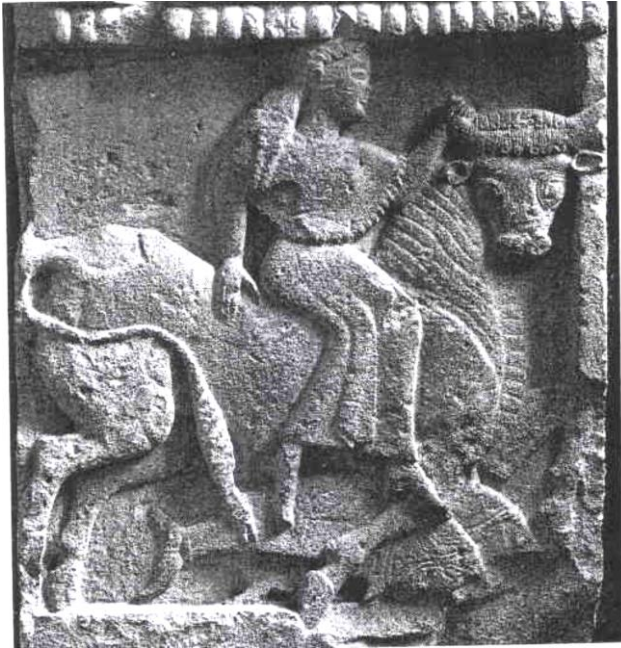
Lion mask and bull,
Silver Tetradrachm from Samos
480-39 BC
American Numismatic society



Europa and Bull
Silver stater from Gortnya (Crete)
350-22 BC
www.thecollector.com



Athena and bull
Di stater from Lucania, signed Molossos
c. 400-350 BC
London, Sotheby's 24 Oct 2011



Rape of Europa
Limestone relief from Selinus, mid-6th C BC
Palermo, Museum Archeologico



Rape of Europa
Agate gem, c. 480 BC
Oxford, Ashmolean Museum



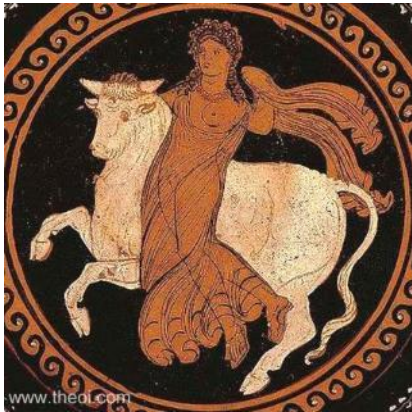
Rape of Europa
Paestan red-figure calyx krater
signed Astaeus, c. 340 BC
Los Angeles, Getty Museum



www. theoi.com



Rape of Europa
Red-figure amphora, attr Policoro pnter.
400-390 BC
London, British Museum
n.b. – flipper on front foot



Rape of Europa
Apulian red-figure kylix, 330-320 BC
Vienna, Kunsthist.Mus
www. theoi.com



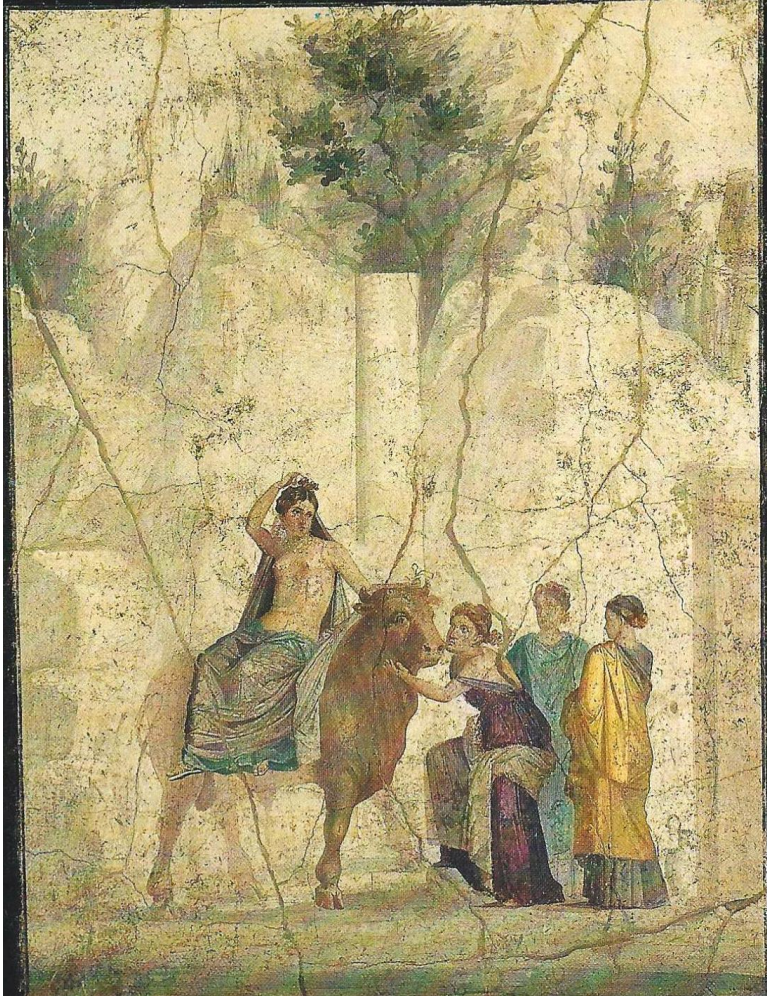
Garlanded sacrificial Bull
From Tarquinia, 1st C BC – 1st C AD
London, British Museum



Magenta ware Lamp fillers
London, British Museum



Mother Earth with Air and Water
Marble, 13-9 BC
Rome, Ara Pacis, east wall



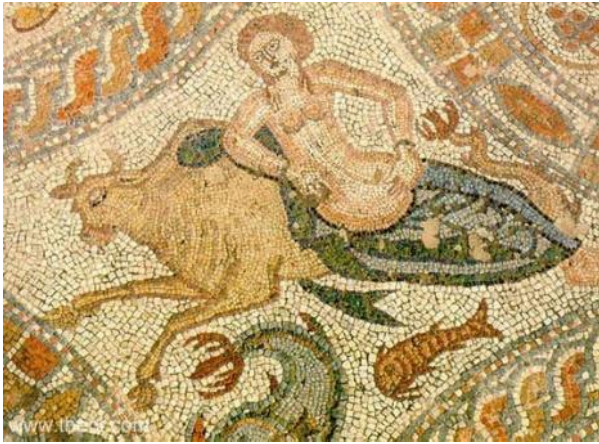
Rape of Europa
Fresco (Imperial style II), from Pompeii. 1st C BC
Naples, Mus Archeologico
www.theoi.com



Rape of Europa
From Roman Villa at Torre tre Teste (nr Paestum)
2nd C AD
Ny Carlsberg Glyptothek, Copenhagen



Rape of Europa
Mosaic, Roman (Imperial)
Sparta, Archaeological Museum
www.theoi.com



Rape of Europa
mosaic, Roman (Imperial)
Naxos, Archaeological Museum
www.theoi.com
n.b. – fish-tail



Rape of Europa
mosaic, Roman (Imperial)
Nimes, Arch. Mus
www.theoi.com
n.b. – fish-tail



Rape of Astypalaia by Poseidon and Europa by Zeus
mosaic, Roman (Imperial)
Zeugma Museum, Gaziantep (Turkey)
n.b. – fish-tail



Rape of Europa Mosaic, Roman (Imperial)
mosaic, 1st C AD
Chantilly, Chateau (www.theoi.com)
n.b. – fish-tail

Classical images – Roman

Taurus



Orpheus mosaic
Paphos
n.b. – extended leg



Orpheus mosaic
From Palermo, 200-239 AD
Museum Antonino Salinas, Palermo
© Marie-Lan Nguyen



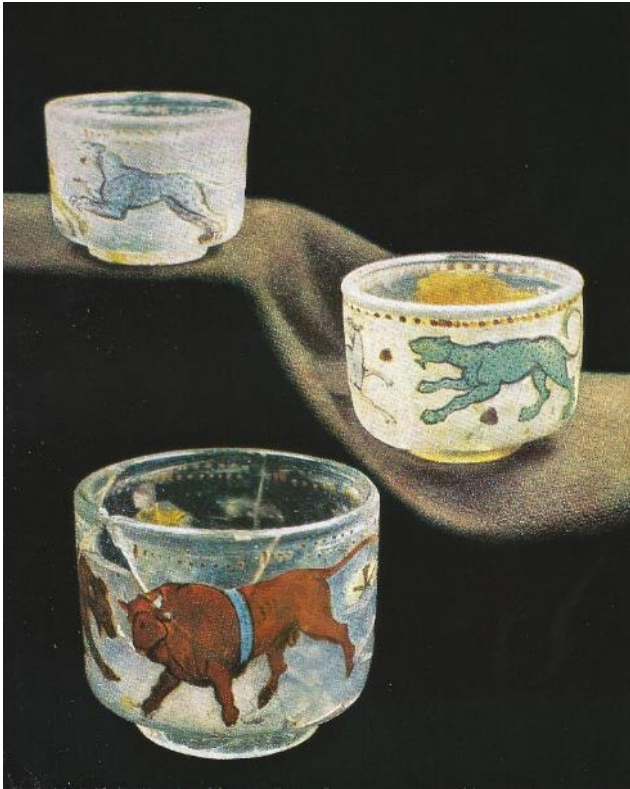
Orpheus mosaic
From Lepcis Magna, 2nd C AD



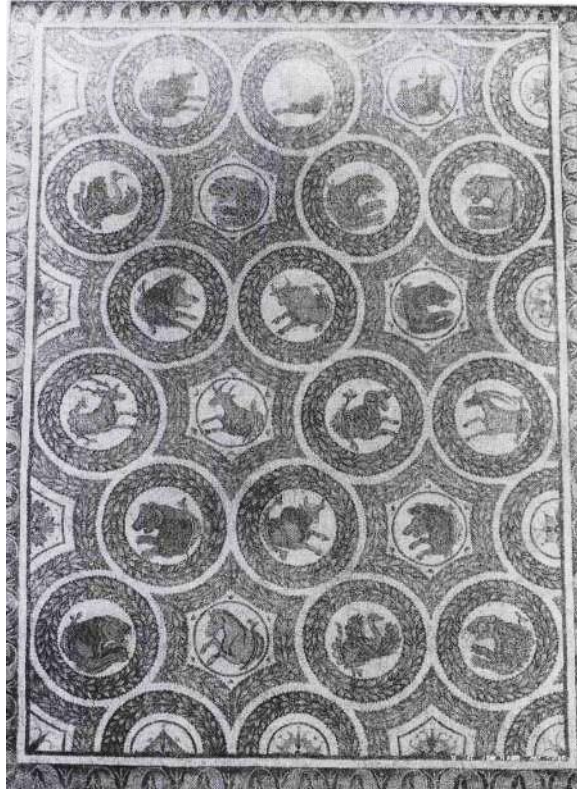
Orpheus mosaic
From Miletus
Berlin, Pergamon Museum

Classical images – Roman

Taurus



Painted cups
From Nordrup and Himlingoje
Copenhagen, National Museum
n.b. – band around waist



House of the Protomai (room IX)
Floor mosaic, second half 4th C AD
Tunis, Bardo Museum
From Nordrup and Himlingoje
Copenhagen, National Museum





Bull-leaping

Fresco

Villa Selene, Libya

n.b. – band around waist

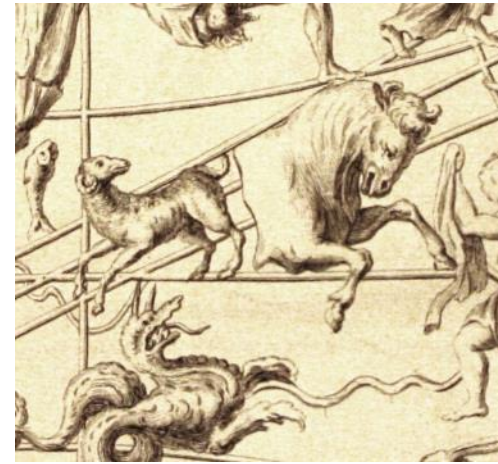
Classical globes

Taurus



Naples, Farnese Atlas
© Petr Hadrava

n.b. – half-bull faces to right, short horns, front legs splayed



Bentley's Manilius



Paris, Kugel Globe

n.b. – U-shaped horns, right leg tucked under

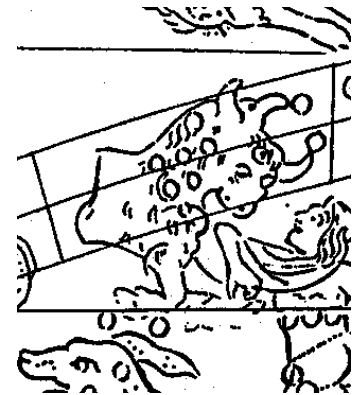


Mainz globe

n.b. – U-shaped horns, triangle of stars in neck



(drawing © Kunzl)



Germanicus mss

Taurus

l. = z stemma



Leiden, Univbibl
Voss lat 4° 79
n.b. – half-bull facing left, short horns, left leg tucked under



Boulogne-sur-Mer, Bibl. Mun.
Ms 188
same



Bern, Burgerbibl,
Ms 88
same



planetary schema with zodiac



planisphere
lying down, left



vs. planet schema
lying down, right

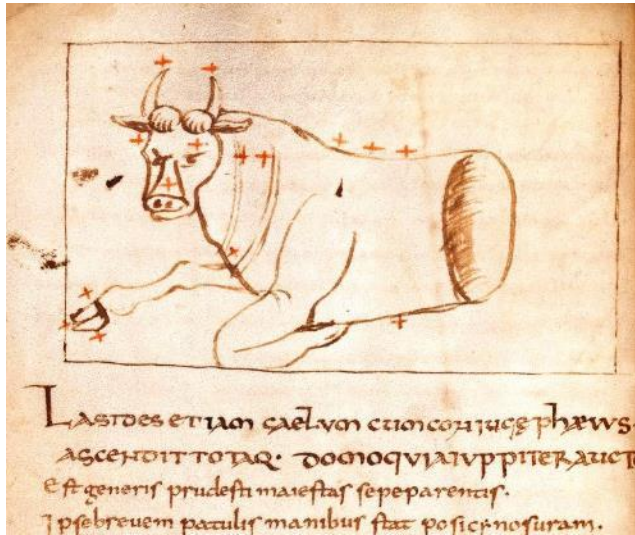


planisphere

Germanicus mss

II and III. = O stemma (O¹ or v)

II.



Basle, OBU
Ms AN. IV. 18
n.b. – half-bull, faces left, right leg extended, left leg tucked under



vs. planisphere
n.b. – half-bull to right, legs forward

III.



Aberystwyth, NLW
Ms 735 C
n.b. – faces right, X on face, right leg tucked under, clouds at cut-off



vs. schema
to right, legs tucked



vs. summer hemisphere
to right, legs tucked

Taurus



vs. planisphere
n.b. – to to right, both legs extended



vs. zodiac
to right, right leg extended

Germanicus mss

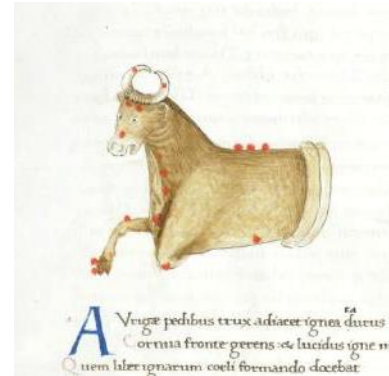
IV. = O stemma (O² or μ)



Madrid, Bib nac
Ms 19 (16)
n.b. – faces left, left leg tucked under

Taurus

Va. = O stemma (O² or μ = Siciliensis)



Cologne, Bib Bodmer
Cod lat 7
similar, bands at cut-off



NY, Pierpont Morgan Libr
Ms M 389
same

Vb.



Vatican, BAV
Barb lat 76
similar

VI.



London BL
Egerton 1050

n.b. – to left, left leg tucked under,
clouds at cut-off; double-drawing

VII.



London BL
Add 15819
similar



Naples, Bib naz
XIV D 37
same

= fragmentum ... repertum in Sicilia

VIIIa.



Madrid Bib Nac
Ms 8282
same



Vatican, BAV
Barb lat 77
same



Vienna, Schottenstift
Ms 51
same

VIIIb.



Vatican, BAV
Urb lat 1358

n.b. – faces left, both legs extended

VIIIc.



Florence, Bibl Laurenziana
Plut 89 sup 43

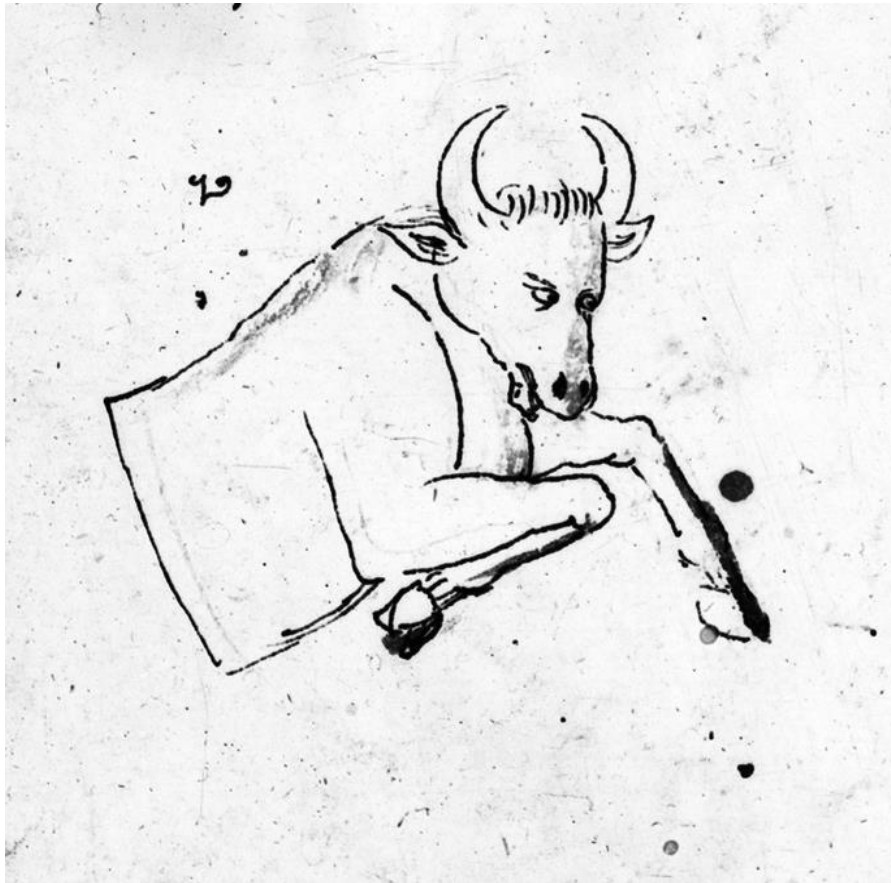
n.b. – left leg tucked under, right extended;
swimming

IX.



Montpellier
Ms H 452

n.b. – full bull walking to the left



Vatican BAV,
Vat grec 1087
n.b. – faces right, right leg tucked under, left leg extended



Planisphere
Half-bull to right, both legs tucked under



summer hemisphere
Half bull, walking to right



zodiac rota
Right leg tucked under

Cicero

missing from manuscript

London, BL
Harley 647

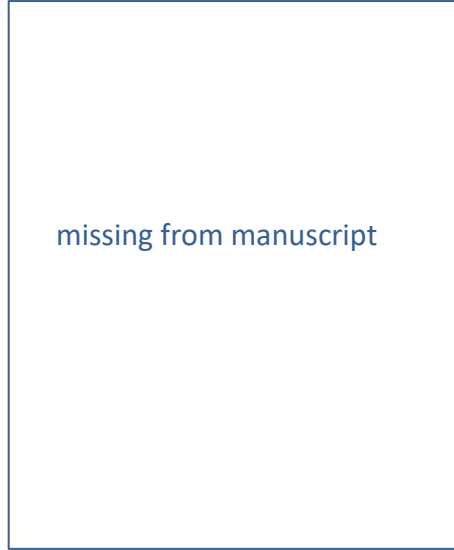
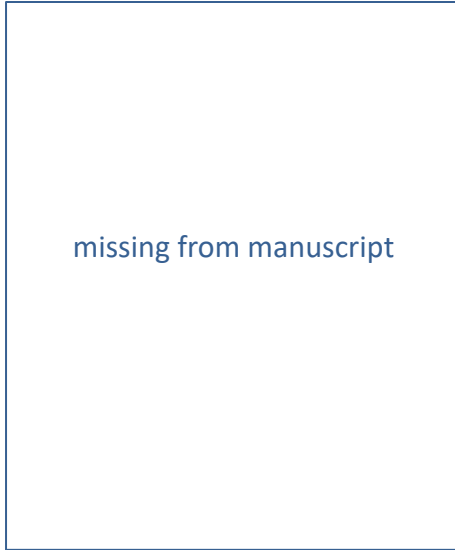
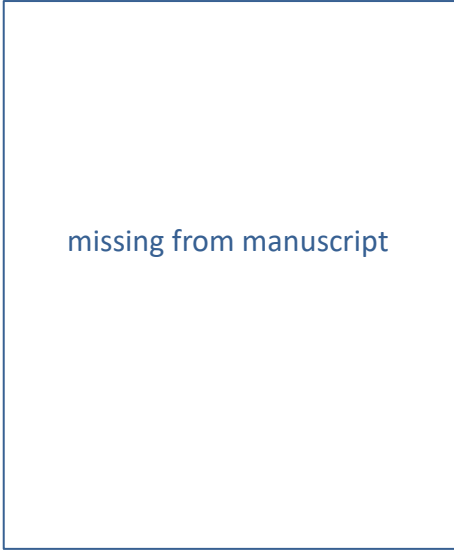
missing from manuscript

London, BL
Harley 2506

Taurus



London, BL
Harley 647 – planisphere
n.b – faces left, left leg tucked under,
right leg extended



London, BL
Cotton ms Tib B.V., pars 1

London, BL
Cotton Ms Tib C. 1

Gottweig,
Stiftsbibl Ms 7

I.



Dresden, Landesbibl.
Ms D C 183 –
n.b. – half-bull to right, right leg tucked under, left leg extended



Dresden – summer hemisphere
n.b. – to right, right leg tucked, left leg extended



Dresden – zodiac rota
same



globe
Full bull walks to left



Paris BN
Lat 12957
n.b. – similar



Paris – summer hemisphere
half-bull to right, right leg tucked, left extended

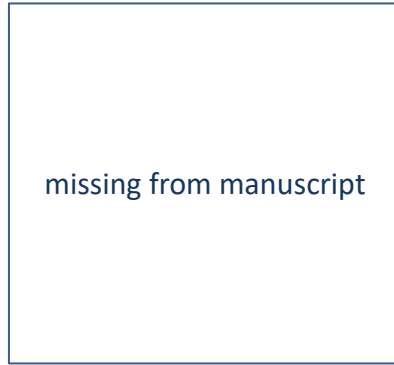


rota



globe
full bull to left, raised right leg

I.



Prague, Univbibl
Ms IX. C. 6 (1717)

n.b. – full bull, lying to right, right leg tucked
under, left leg extended, tongue out

Prague – winter hemisphere

1a.



St Gallen, Stiftsbibl
Ms 902

n.b. – half-bull to right, right leg tucked under, left leg extended

ibucule siue plades nominant: In gemiculo anteriore
npalesi. b. dual: In dextro genitilo unā. In collo dual
fo tres inuente splendida unā. In pectore unā. Sunt
o. x & octo



Adarcturi minoris dorsū constitutus ad arcturū ma
tendit ad pedē videlicet eius pedē tendent. hic ē inor
quar tū arctū circulus hunc recipit apedib. vsq ad
is reliquū autē eius excedit ab arctico. a est auo sol fa
ut ergo sicut euri. pēdes aut ethiopū rex. andromede

St Gallen, Stiftsbibl
Ms 250
same



summer hemisphere
to right, both legs tucked under



zodiac rota
same



globe
full bull walks to right



summer hemisphere
full bull lies to right



zodiac rota
half-bull to right, both legs tucked under

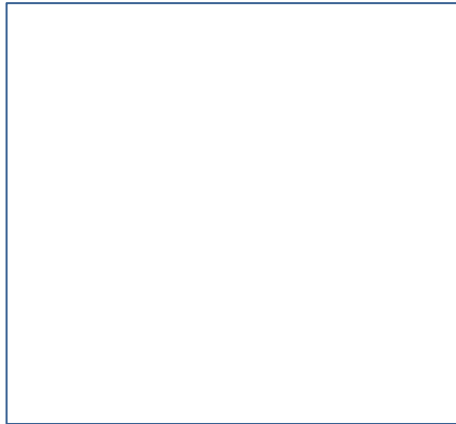


globe
full bull walks left

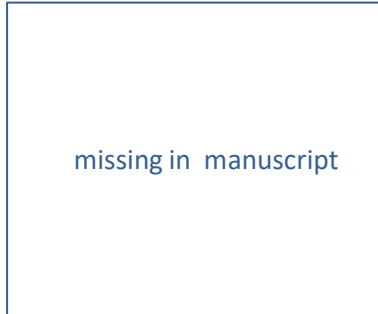
Revised Aratus Latinus

Taurus

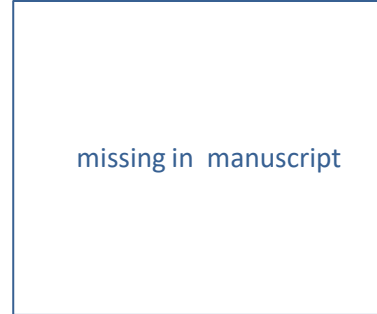
Ib.



Gottweig, Stiftsbibl.
Ms 7 (146)



summer hemisphere



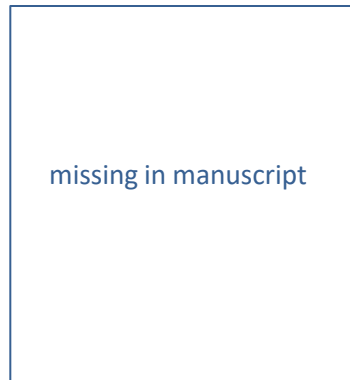
zodiac rota



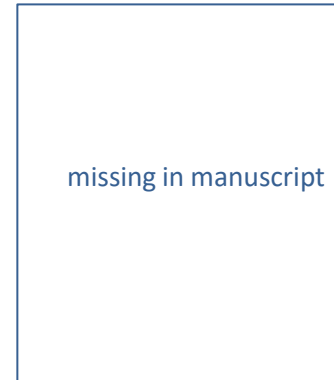
globe
full bull walks to left



Siena, Bib com
Ms L. IV. 25



summer hemisphere



zodiac rota

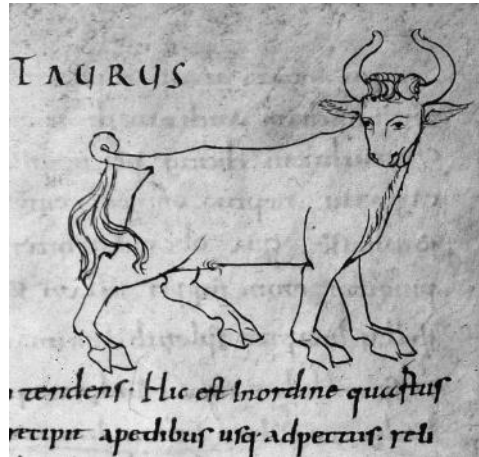


globe

I. (distant relative)



Paris BN
n.a. 1614
n.b. – full bull, lying to left, both front legs extended



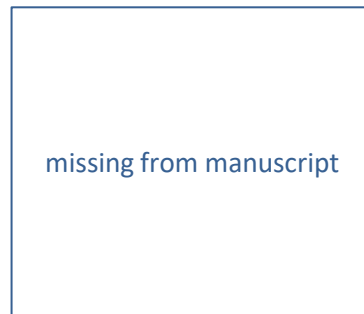
Munich, Staatsbibl.
Clm 560
n.b. – full bull walking to right, head turned back



Vatican, BAV
Reg lat 1324
n.b. – two-legged centaur shoots to right



summer hemisphere
n.b. – half-bull to right



summer hemisphere



summer hemisphere
left leg tucked

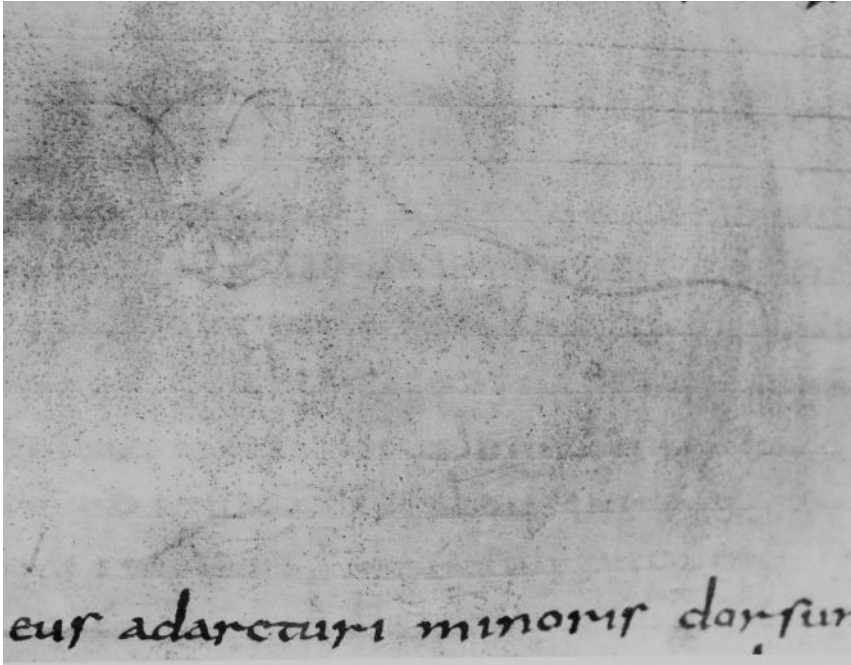


globe
full bull to left



zodiac rota
right leg raised

II.



Cologne, Dombibliothek

Ms 83.11

n.b. – underdrawing of half-bull facing to the left

I.



Oxford, Bodleian
Laud misc 644

n.b. – half-bull to left, left leg tucked under,
right leg extended



Padua, Bibl Antoniona
Ms Anton 27

similar, no stars



Venice, Bib Marciana
Ms VIII, 22

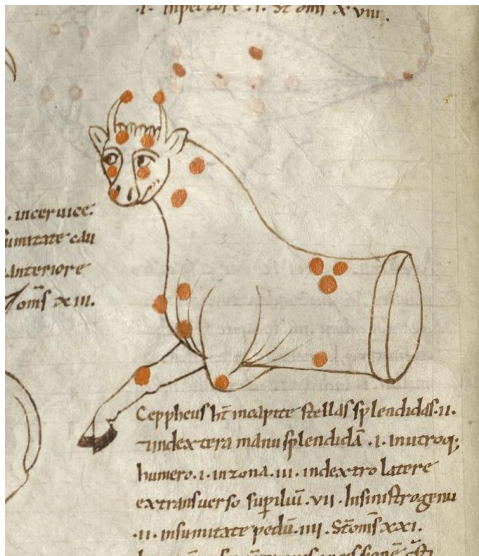
similar



Paris BN
lat. 14754

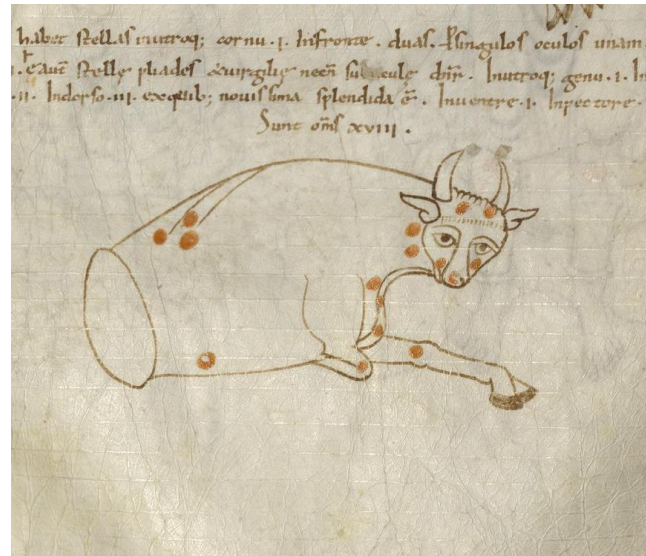
similar

1a.



Dijon
Bib mun, Ms 488

n.b. – half-bull to left with left leg tucked under, right leg extended



zodiac series

half-bull to right, right leg tucked under, left extended



zodiac rota

half-bull to right, both legs extended

Ila.



Paris, BN
Lat 5543

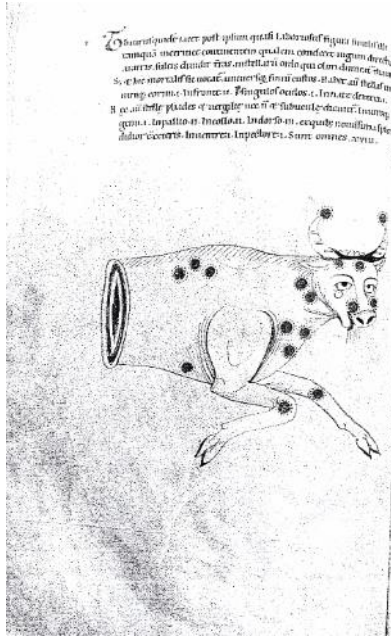
n.b. – half-bull to right, right leg tucked under, left leg extended, X on face



Paris, BN
Lat 5239

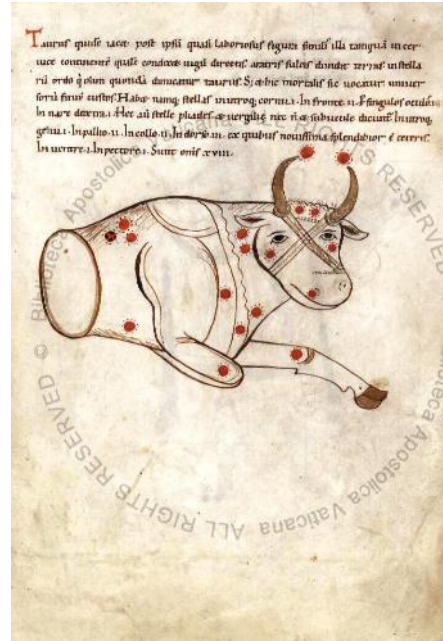
Same (later hand adds rear half of bull)

lib.



Klosterneuburg,
Stiftskirche, Ms 685

n.b. – half-bull to right, right leg tucked under, left leg extended



Vatican, BAV
Vat lat 643

similar, with X on face



Zwettl, Stiftskirche
Ms 296

closer to Klosterneuburg, horns different



zodiac rota

full bull standing on hind legs



zodiac rota

similar



zodiac rota

similar

III.

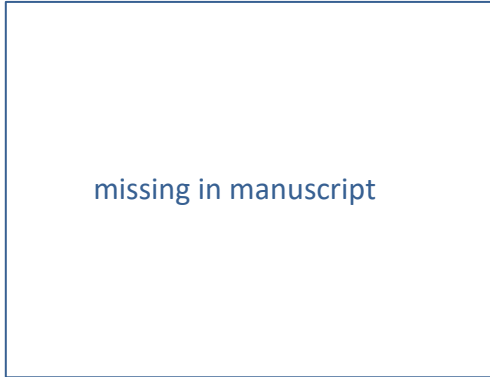


Laon
 Bib. mun, Ms 422
 n.b. – half-bull to right, right leg tucked under, left extended



Rouen,
 Bibl. mun, 26
 n.b. – full bull reclining to right, right leg tucked under

Singletons



Amiens
Bibl mun, Ms 222



Durham, Cathedral Libr
Hunter 100



Freiburg-im-Bresgau
Ms 35

n.b. – full-bull reclines to right, tail between legs



Taurus on calendar page
full-bull walks to left on
groundline

Singletons



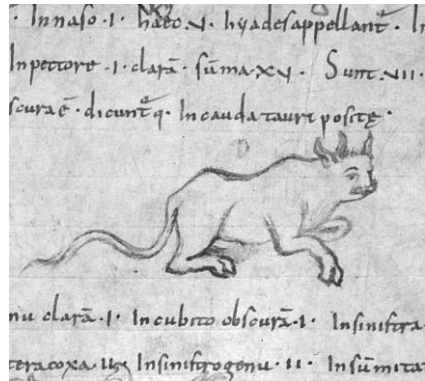
Montecassino,
Badia, Ms 3

n.b. – half-bull to right, right leg tucked
under, left leg extended



rota
half-bull leaps to right

1a.



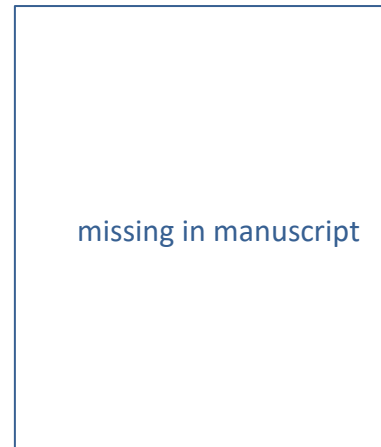
Berlin, Staatsbibl
 Ms lat 130 (Phill 1832)
 n.b.– full bull reclining to right, left leg
 tucked under, right leg extended



Berlin planisphere
 n.b. – half bull reclining to right,
 tight leg tucked under, left leg
 extended



Monza, Bib capit
 Ms F. 9/176 (246)
 n.b. – full bull reclines to left, right leg tucked under,
 tail between legs, on a rocky outcrop



winter hemisphere

1a.



Madrid, Bib Nac
Ms 3307

n.b. – full bull reclines to left, right leg tucked under, tail
between hind legs

1b.



Vatican BAV,
Vat lat 645

same

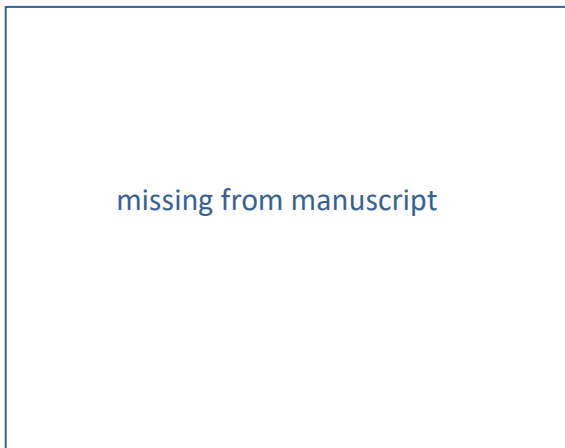
II.



Munich, Staatsbibl. Ms clm 210
n.b. – full bull reclines to right, left leg extended,
ground line



planisphere
half-bull to left, left leg tucked under,
right leg extended



Vienna, ONB
Vindob 387



zodiac rota
reclining to right, left leg tucked, tail over back

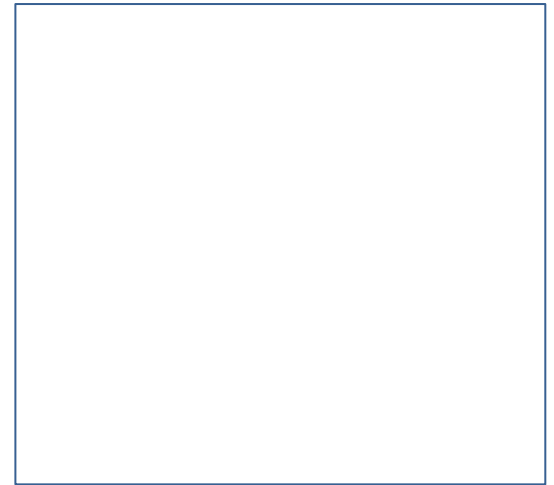
III.



Austin TX, Harry Ransom,
 Univ of Texas, Ms 29
 n.b. – full bull reclining to left, front legs
 crossed, figure 8 in tail



St Petersburg, Nat Libr
 Ms Q v IX, no 2
 n.b. – similar, tail curled through hind legs



Paris BN
 lat n.a. 1614
 bow drawn, cape, horns



summer hemisphere
 half-bull to right, legs extended

IV.

brades appellantur in ungula .iij. in collo .ij. in dorso .ij. Clavam clar
 re .j. in pectore unam claram. Summa .xv. Sunt & septem stelle
 antides uel plades uocant. quarū sex uidentur. septima obscura et
 uida tauri postae.



Paris BN
 lat 12117

n.b.— bull with hind-quarters tucked under, head
 back, left leg raised



Vatican BAV,
 Reg lat 309
 same

De ordine ac positione

Taurus

V.



Los Angeles, Getty Mus
Ludwig XII, 5

n.b. – half bull to right, both legs extended



Paris BN,
lat 8663

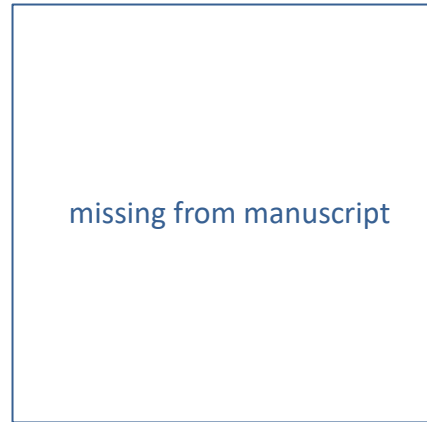
n.b. – full bull facing left, front legs crossed, tail between legs

Singletons



Vienna, ONB
Vindob 12600

n.b. – full bull facing left, front legs crossed, tail between legs



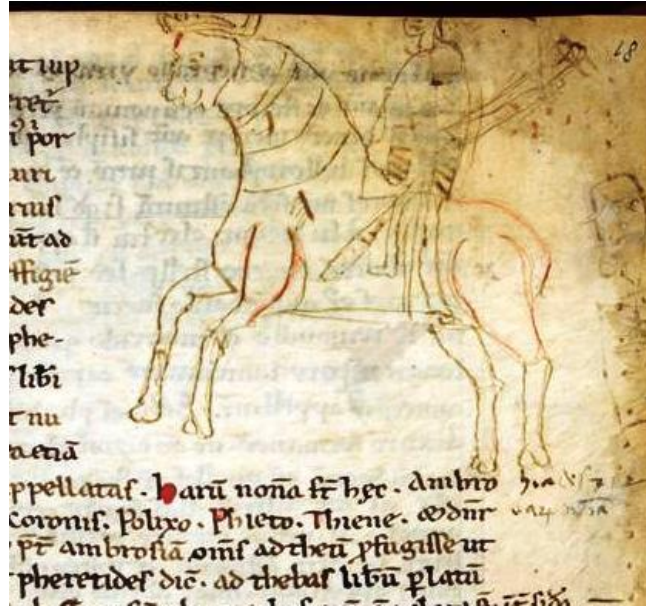
Reykjavik
Ms 1812

Hyginus

1a.

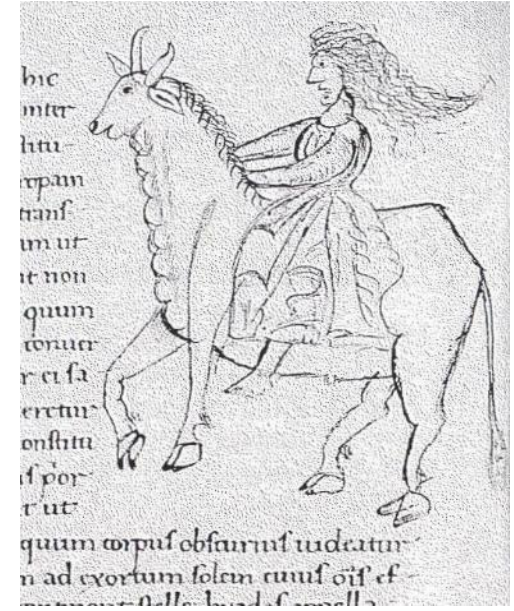


S Paul im Lavantthal
 Ms 16/1 (XXV. 4. 20
 n.b. – full-bull walking to right with
 tail between legs (stain or erasure
 of figure on back?)



Florence, Bibl. Laurenziana
 Ms. Plut. 29.30
 n.b. – n.b. – full-bull walking to right with
 figure (Europa?) on back

Taurus



Leiden, Univ.-bibl.
 Voss 8°18
 similar

Ib.



Wolfenbüttel, Herz Aug
 Ms 18. 16. Aug 4°
 n.b. – full-bull reclines to right, front legs bent,
 tail between legs



London BL
 Arundel 339
 same

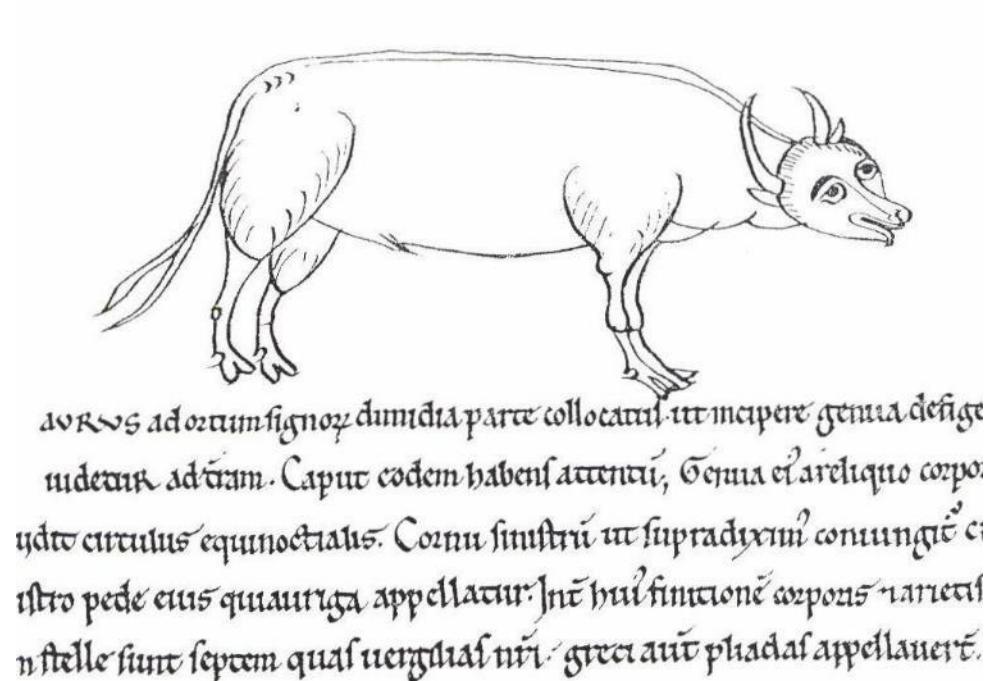
Ic. (singleton)



Vienna ONB
Vindob 51

n.b. – half-bull to left, left leg tucked under,
right leg extended

II. (singleton)



Leiden Univ-bibl
Voss lat 4° 92

n.b. – full-bull stands to right

III.



Leiden Univ-bibl
Voss lat 8° 15

n.b. – half-bull faces to the right, right leg tucked under, left leg extended, X on face



Vatican BAV
Reg lat 123

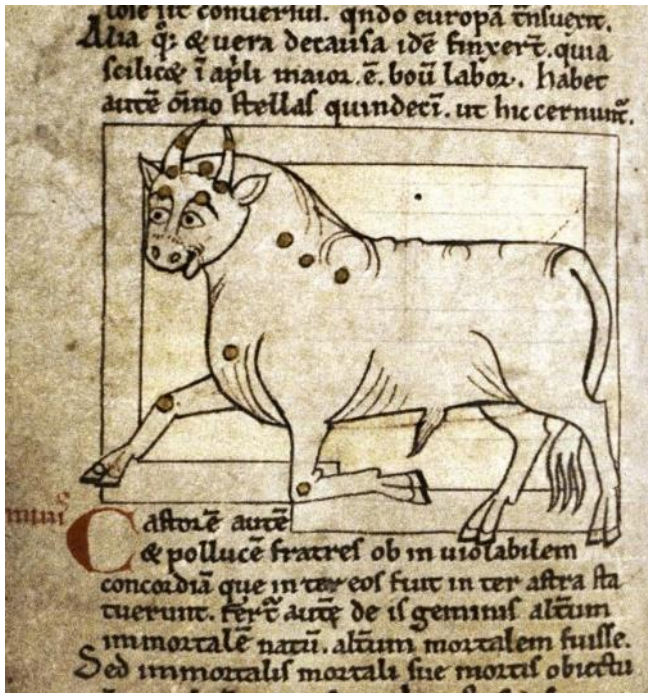
Similar, but with X on face



planisphere

Half-bull to left, both legs extended

IV.



Oxford, Bodleian Libr
Bodley 614

n.b. – full bull trots to left, left leg extended



Oxford, Bodleian Libr
Digby 83 (SC 1684)

Similar, but position of front legs differ and animal has odd musculature highlighted

V. (singleton)



Baltimore, Walters Art Gallery

Ms 734

n.b. – full bull facing left, right leg crooked, long horns

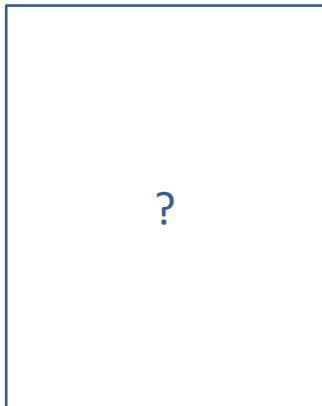
VI. (singleton)



Berlin, Staatsbibl.
Ms 8° 44 (Rose 962)

n.b. – half-bul to left with head turned back to right, long horns, Pleiades in box above head

VI- related: German Star Books ('secundum Hyginum')



Lyon, Bib mun, Pal des
Arts 45



Lyon, Bib mun
Ms 172
similar, clouds at cur-off

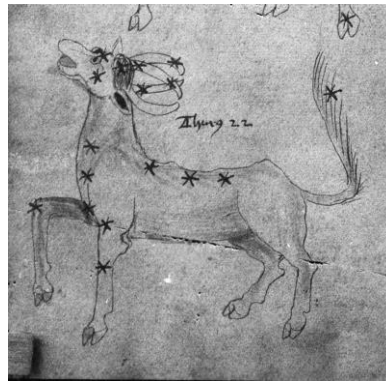


Munich, Staatsbibl
Germ 595
full-bull walking to left, bellows, crossed horns, tail raised

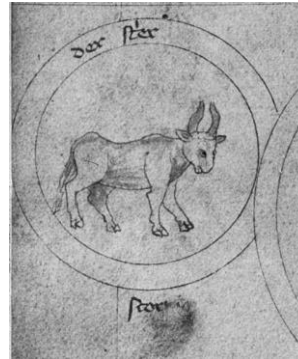
VI- related: German Star Books ('secundum Hyginum')



Munich, Staatsbibl
CIm 59
similar, legs straight



Vatican BAV
Pal.lat. 1369
like Munich 595



with planet gods



Vatican BAV
Pal.lat. 1389
similar, but horns not crossed
and tail lowered



Wolfenbüttel Herz Aug
Guelf 81 24 Aug 2
same, tail raised

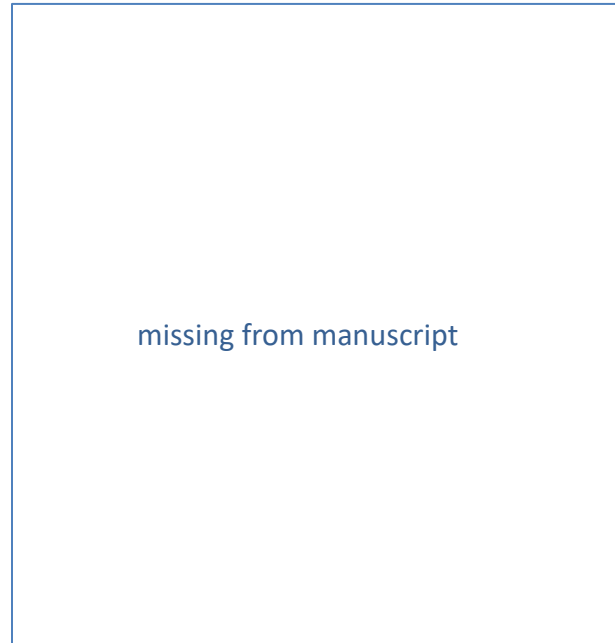
VII. (singleton)



London BL,
Roy Ms 13. A. XI

n.b. – full bull to left, left leg tucked under, right leg extended

VIII. (singleton)



Munich, Staatsbibl.
Clm 10270

Hyginus

IXa.

Taurus



Cambridge, Fitzwilliam Mus
Ms 260
n.b. – half-bull to left, both legs
extended, ring of stars in front of
nose



Florence, BN
Magl XI. 141
similar, without stars



Milan, Bibl. Ambrosiana
T. 47 sup
similar, bands at cut-off, stars near nose

missing from manuscript

Oxford, Bodleian Libr
Can. class lat 179



Siena, Bib com
Ms L. VI. 25
same



Vatican, BAV
Vat lat 3109
similar, no stars on nose, horns
curled back, water/clouds



Vatican, BAV
Vat lat 3109
similar, no stars



Verona, Bibl capitolare
Ms CCLXI
same, stars near nose

Hyginus

Taurus

IXb.

IXc.



missing from manuscript

Oxford, Bodleian Library
Can misc 46

n.b. – similar, no stars, clouds at cut-off

Milan, Bibl Trivulziana
N. 690 (E 83)

similar, with stars around nose

Vatican, BAV
Vat lat 3110

similar, with circle of stars, no clouds

Florence, BNC
Magl XI. 114,1

Hyginus

IXd. (distant singleton)



Florence, Bibl Laurenziana
Ashburnam1148

n.b. – full-bull walks to left, stars by nose

IXf.



New York, Public Library
Spencer Ms 28

similar, no stars near nose, clouds



Freiberg, Andreas-Möller-Bibl.
Cl XI 40 9

same

IXg.

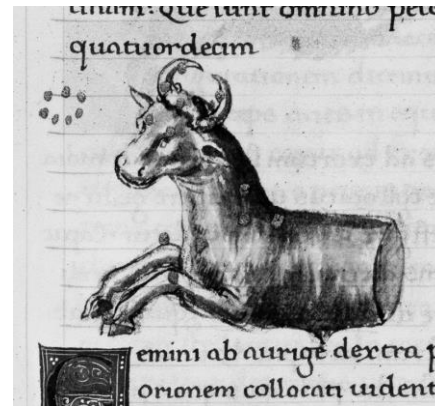


Florence, Bib Laurenziana
Plut 89, sup 43

same, stars near nose, clouds

Taurus

IXe.



Pavia, Bibl Univ
Aldini 490

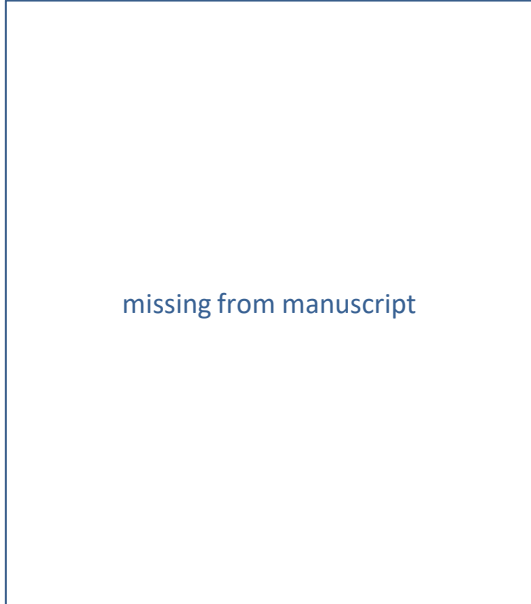
n.b. – half-bull to left, both legs extended, circler of stars by nose



Vatican., BAV
Urb lat 1358

same

X. (singleton)



Vatican, BAV
Chigi H. IV. 20

XI. (singleton)



Cortona, Lib del Comune
Ms 184 (256)

n.b. – half-bull faces left, both legs tucked under, lyre-shaped horns, no stars



Cambrai, Bibl Mun.
Ms 933 (832)

n.b. – full bull walks to left, right leg raised



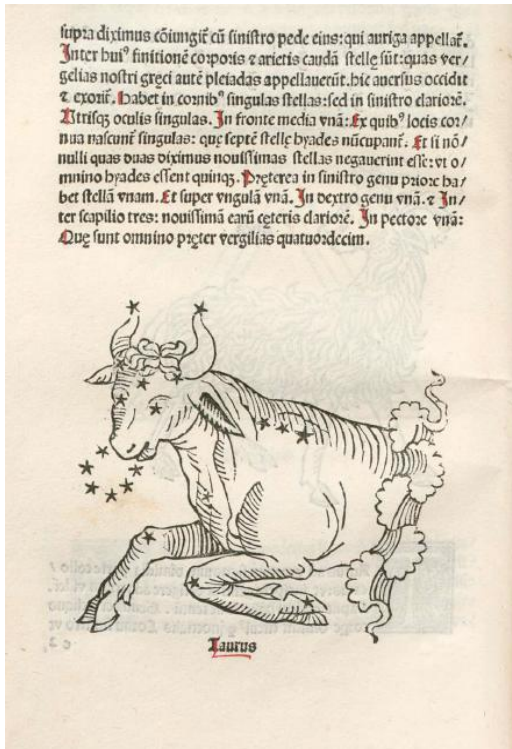
Cambridge, Trinity College
Ms R 15 32

n.b. – full-bull to left, tail raised



Leiden, Univ.-bibl.
Gronovius 21

Venice: Ratdolt, 1482



n.b. – half-bull faces to left, left leg tucked under, right leg extended, stars near nose, clouds at cut-off

Also: cf Michael Scot



Vienna ÖNB

Vindob 3111

same, but note labels for

Athlantides/Hyades/Siutide (?= Sucleae) and

Pliades/Vergiliae

Basinio da Parma

Taurus

1a.



Rimini, Cassa di Risparmio
(London Sotheby's sale 1992)

n.b. – half-bull to left, both legs extended,
stars near nose

1b.



Cambridge, CUL
Dd IV 64

same

11a.



Oxford, Bodleian Libr
Bodley 646

n.b. – same, with circlet of stars near
nose



Parma, Bib Palatina,
Parm 1008

same, with label



Venice, Bibl Marciana
XII, 194 (4148)

same, with labels

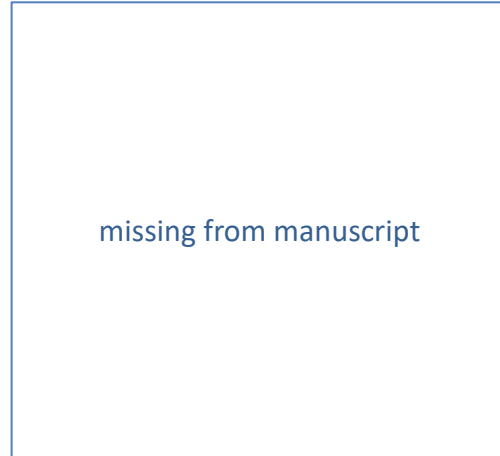
Basinio da Parma

IIb.



Parma, Bibl Palatina
Parm 27

n.b. – half-bull to left, front legs
extended, circlet of str's near nose,
clouds at cut-off



Rome Bibl Casanatense
Ms 4059



Munich, BSB
CIm 15743

similar, double line of stars for Pleiades
like BdP 1a and 1b, but clouds like
Parma 27

III.

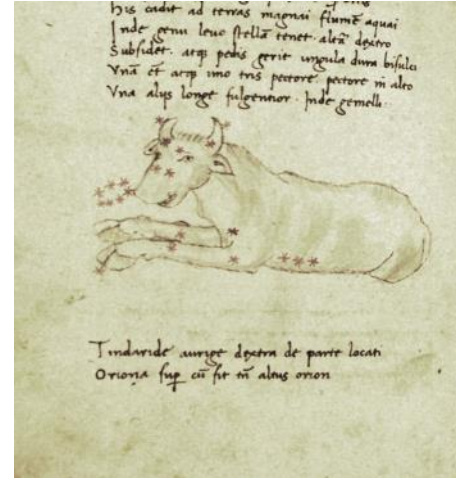


Bologna, Bibl Com

Ms 173

n.b. – half-bull to left, both legs extended, double-line of stars near nose

IV.

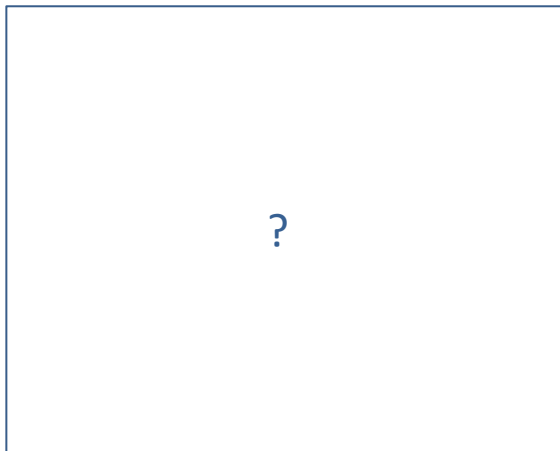


London, Wellcome Coll

WMS 122

n.b. – full-bull to left, front legs extended, circlet of stars near nose

V.



Ravenna, Bib Classense

Ms 120

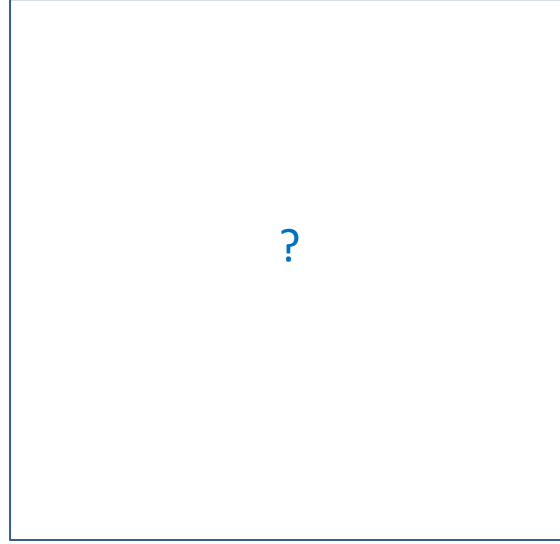
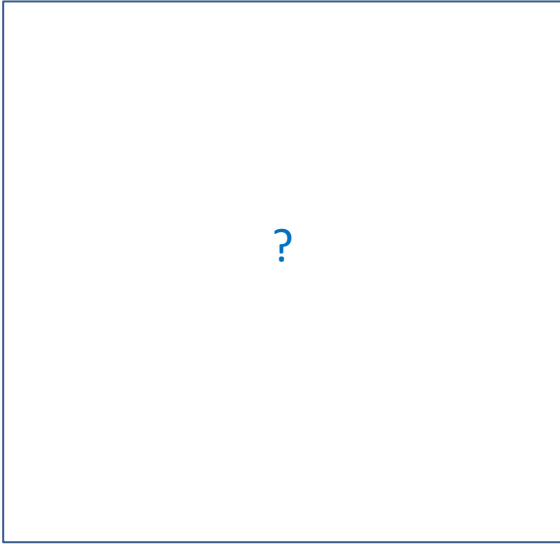
VI.



Florence, Bibl Marucelliana

Ms C. CCL

see Hyginus, 1482 edn, with added labels



Krakow,
Rps BJ 3706

Padua, Bibl. Universitaria
Cod 983

N Italian Group – Ia.



Munich, Staatsbibl
CIm 10268

n.b. – half-bull to left, left leg tucked under, right leg extended, groups of stars in front of nose and on the cut=off.

labelled: hec stella dicitur caput diaboli.



Oxford, Bodleian Libr
Bodley Ms 266

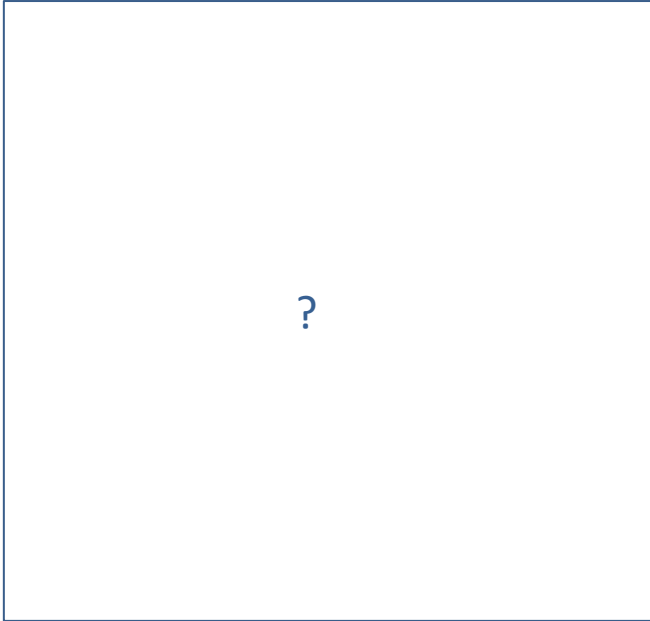
same, without labels

Que sunt capite dicuntur Yades apud Grecos et Surcule a Latinis ... Sunt enim 5 in fronte Thauri.

Que sunt posteriori parte Thauri circa culum et caudam dicuntur Pliades apud Grecos et Virgilie a Latinis. (ed. Ackermann 2019, pp. 150-51)

n.b. – there is no buttocks or tail

N Italian Group – Ib.



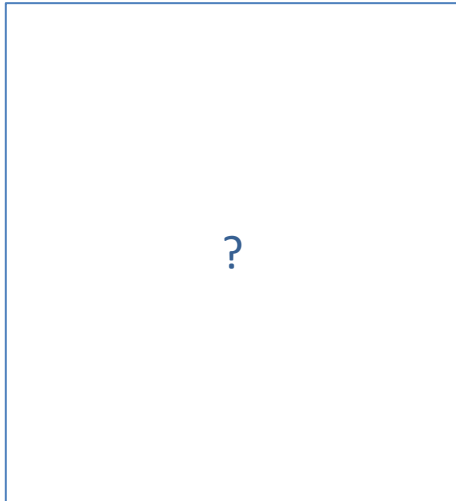
Vatican, BAV
Vat lat 4087 A



St Petersburg, Nat Libr
Ms lat F V IX, no. 1

n.b. – half-bull facing left, left leg tucked under, right leg extended circle of stars on cut-off

N Italian Group – Ic.



Warsaw, BN,
B Baw 46

N Italian Group – Id.



Vienna, ONB
Vindob 3394
n.b. – full-bull reclines to the right, both
legs tucked under, circlet of stars on
haunch

N Italian Group – Ie.



Padua, Bibl Seminario
Cod. 48
n.b. – full-bull prances to the left, both
forelegs forward, stars near nose and on
haunch

Venetian Group – IIa.

Venetian Group – IIb.



London BL
Add 41600

n.b. – full-bull stands to left, no stars
marked

London, Wellcome Coll
Ms 509

same

Milan, Ambrosiana
Ms I 90 sup

similar

n.b. – note capud diaboli label
behind tail

Bohemian Group – IIIa.



Vienna, ONB
Vindob 2352

n.b. – half-bull to the left, front legs straight, stars in the cut-off

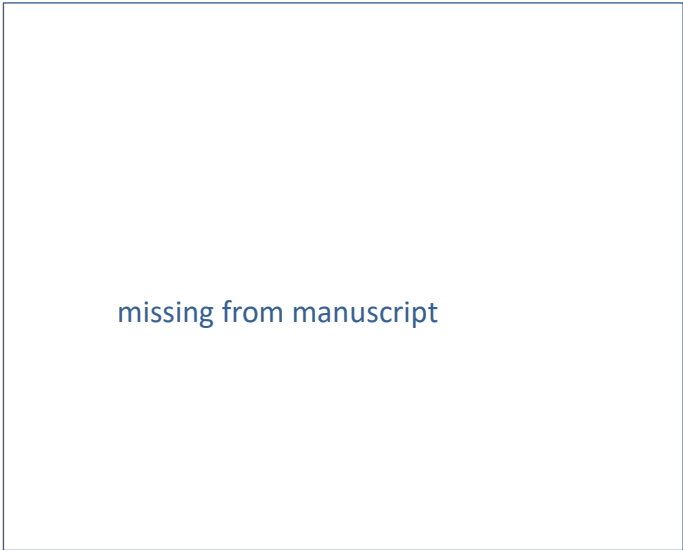


Vienna, ONB
Vindob 2378

similar
n.b. – caput algol
caput dyaboli

Bohemian – IIIc.

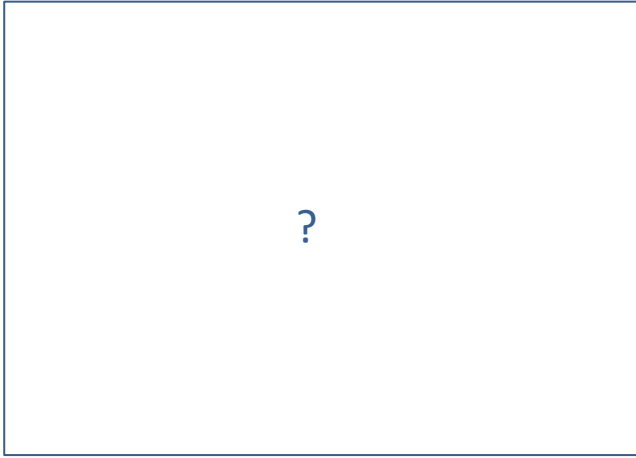
Bohemian – IIIId.



Vienna, ONB
Vindob 5442

Cambridge, MA
Harvard, Houghton
Libr., Typ 43
n.b. – full-bull walks to left, no stars

Michael Scot



Edinburgh, Royal Observatory
Ms Cr 3. 23

Taurus

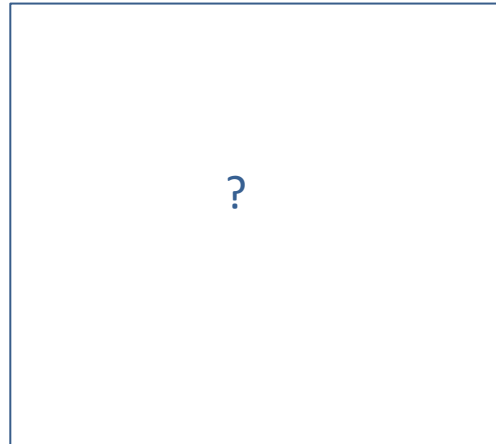


Florence, BNC
Magl. XXII, 22



Klosterneuburg, Augustiner Ch-Stift,
Ms CCI 125

n.b. – half-bull facing right, both legs extended, biting left knee, straight horns



Krakov, Bibl Jagiellonska
Rps 573



Prague, Narodni Knihova
Ms XXXVI A 3

n.b. — full-bull stands to left, straight horns, stars on flank



Seville, Bibl Columbina
Ms. 7.7.1

n.b. — full-bull walks to right, left leg raised, in landscape

Michael Scot
German mss – IVa.

Taurus



Darmstadt, Hess Hochschulbibl.
Ms 266
n.b. – full-bull walks to left



Salzburg, Studienbibl
2 G 8/13
similar to Darmstadt



Vatican, BAV
Pal lat 1370
similar to Darmstadt



constellation – half bull, head turned, stars above back



calendar - same



Berlin, Staatsbibl
Ms germ fol 244 – planet god
full-bull stands to left

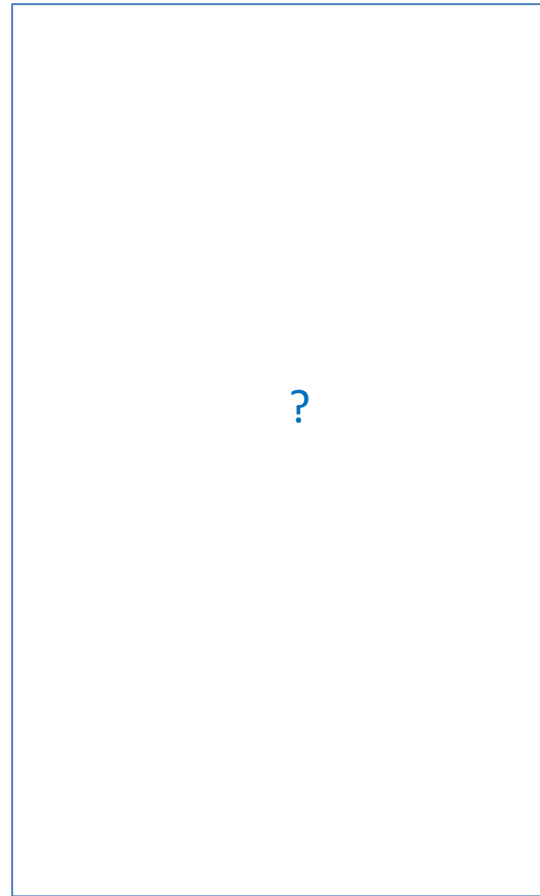
Michael Scot

Taurus

German mss – IVa.



Paris, BN
Allem 106
calendar
full-bull to right



prosopa



Zodiac signs
full-bull to right



tables
full-bull reclining to left

German mss – IVb.



Tubingen Univ.-bibl.
Ms d 2
main image - Taurus



Taurus as Venus house



prosopa



calendar pages



zodiac rota



Venus house



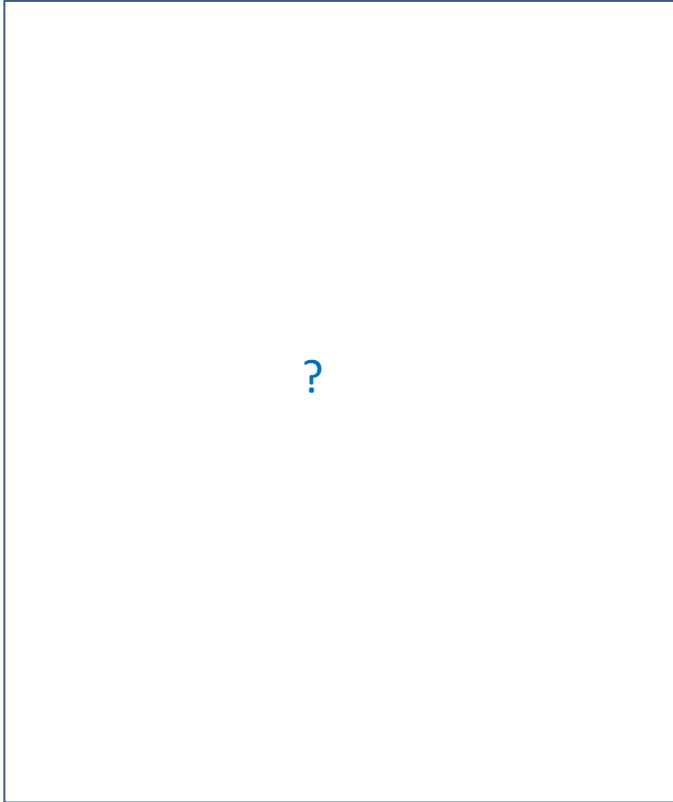
paranatellonta rota, northern and southern hemispheres



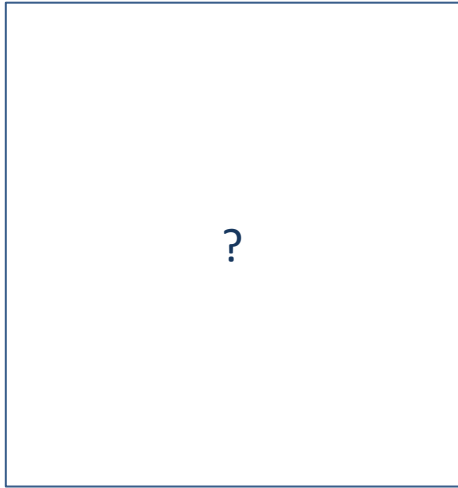
Michael Scot

Taurus

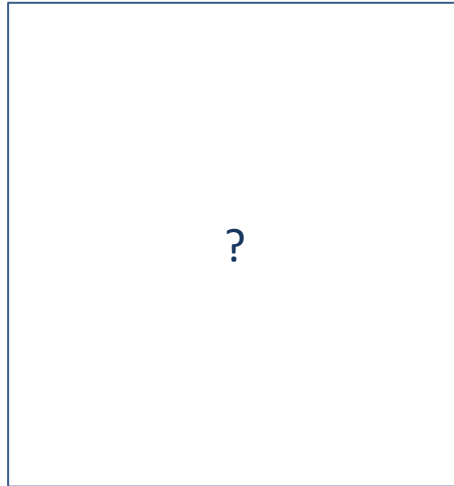
German mss – IVb.



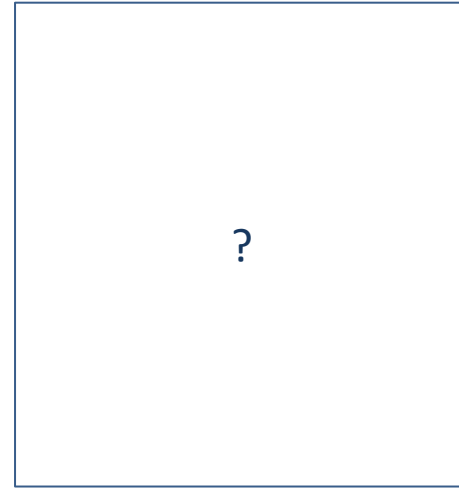
Wolfenbüttel, Herz Aug Bibl
Ms Guelph 29 14 Aug 4°



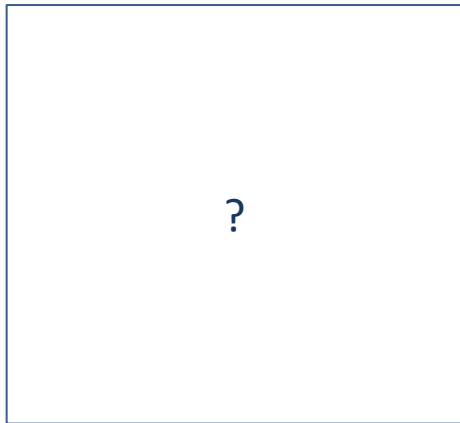
Coburg, Bayerisches Landesbibl.
Ms 5



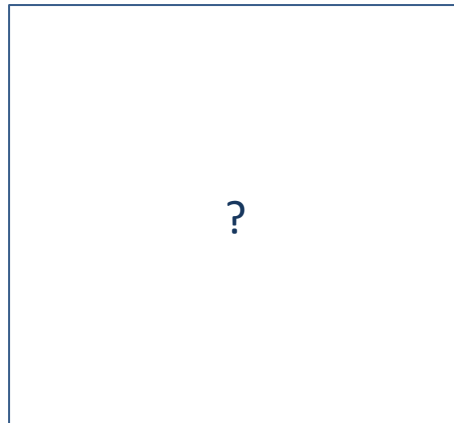
Edinburgh, Royal Observatory Libr.
Ms Cr 4 6



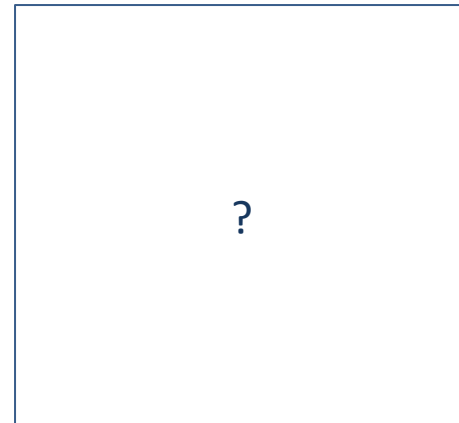
Freiburg, Univ-bibl.
Ms 458



Heidelberg Univ-bibl.
Pal germ 832



Karlsruhe, Badische Landesbibl.
Ms K 2790



Nürnberg, Germanisches Nationalmus.
Ms 7082

Venice: Ratdolt, 1482

Bartolommeo da Parma



Cambridge, Emmanuel College
 Ms 70
 n.b. – full-bull walking to right in
 landscape, left leg bent, stars on rump



Metz, Bibl mun
 Ms 287
 n.b. – half-bull to left, left leg tucked under, right
 leg extended, stars in cut-off

Michael Scot - derived

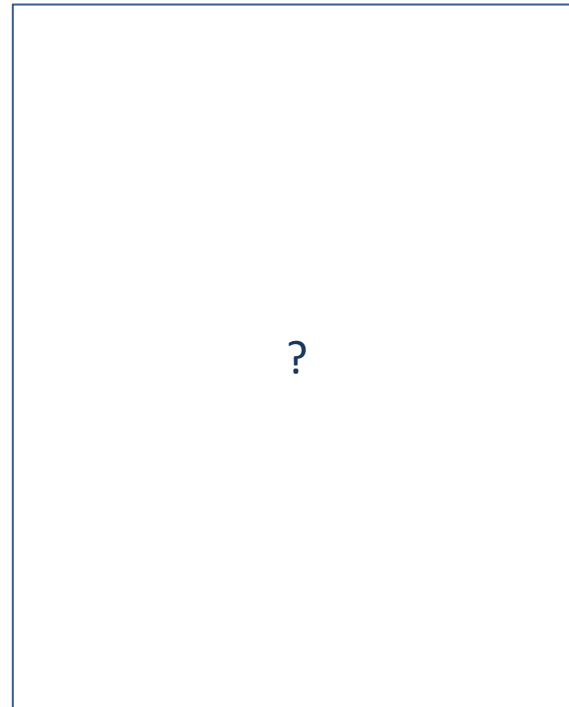
Taurus

Fazio degli Uberti



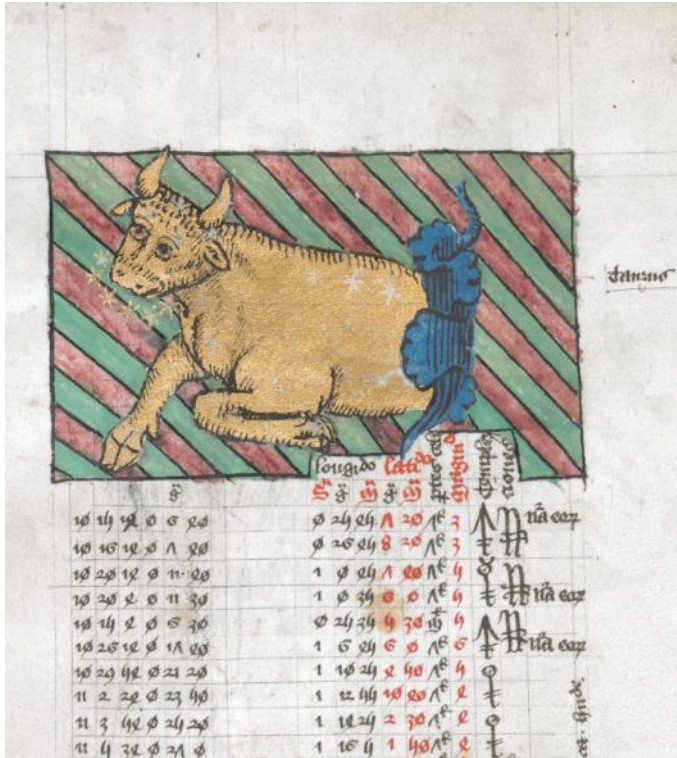
Paris, BN,
Ital 81

n.b. – full-bull walks to left, with left leg raised



Modena, Bibl Estense
Ital 483 (α. P. 47)

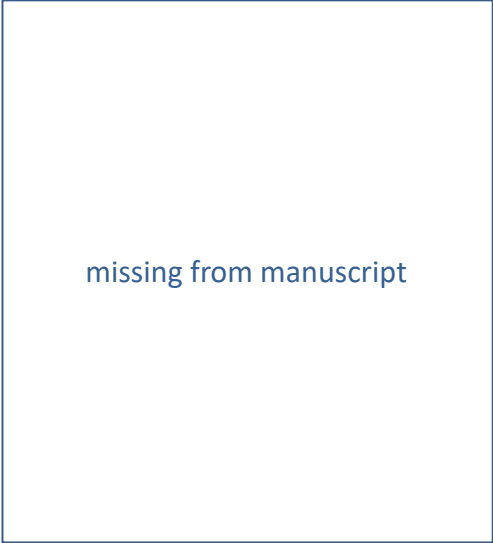
Guido Bonatti



London, BL
Arundel Ms 66

n.b. – half-bull facing to the left, left foot tucked under, right leg extended, cut-off in clouds

StellacioTauri



Paris BN
Lat 6561

n.b. – full-bull walking to right, no stars marked

Paris BN
Fr 612

n.b. – reclines to tight, tail between legs

Paris BN
Lat 7344



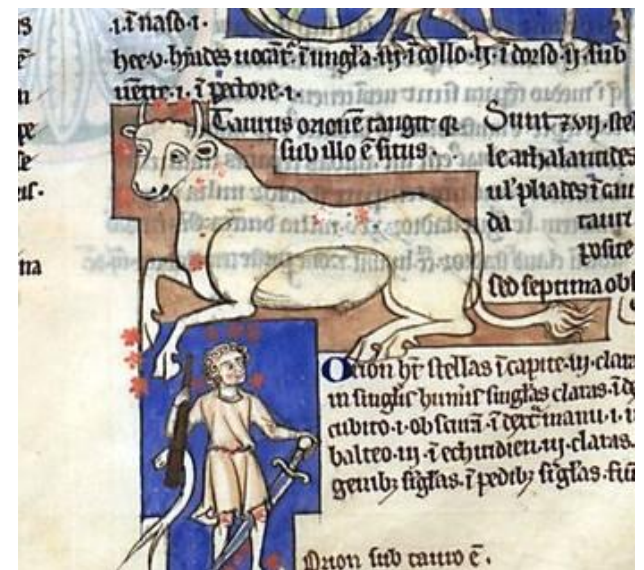
Hague
Ms 72.A.83

n.b. – full-bull walking to left, right leg bent



Hague
Ms 128 C

same



Paris, BN
Lat 8865

n.b. – full bull reclining to left

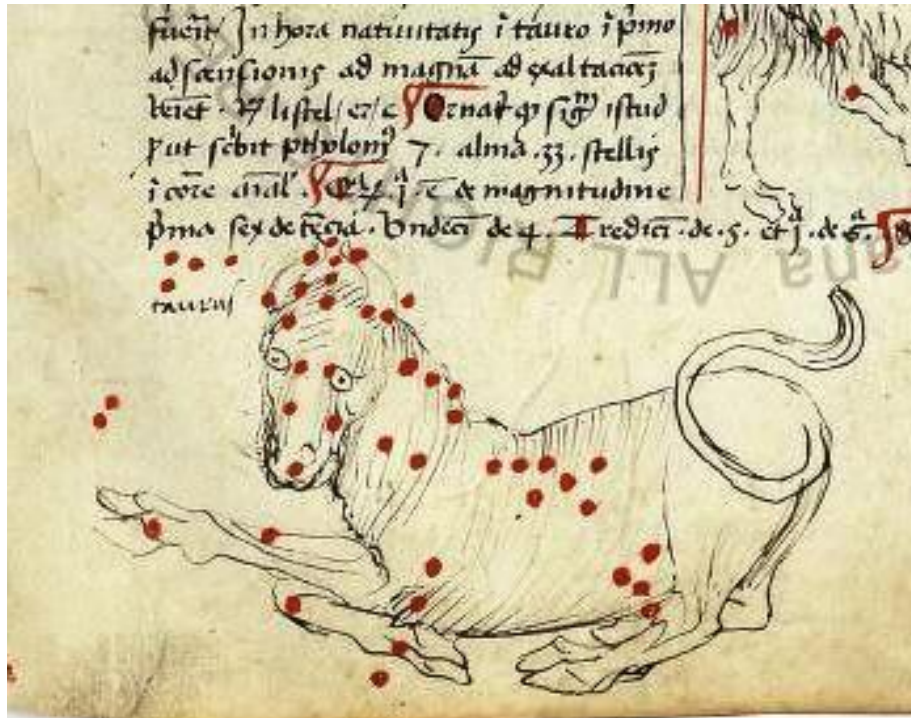


Chantilly, Petit Château
Ms 724 (1596)
n.b. – full-bull standing to left

Leiden, Univ-bibl
Ms 1° 31
walking, very long horns

Ghent
Ms 92
Reclining to left, right leg tucked
under, left extended

Wolfenbüttel, WDB,
Ms Gud lat 1
similar



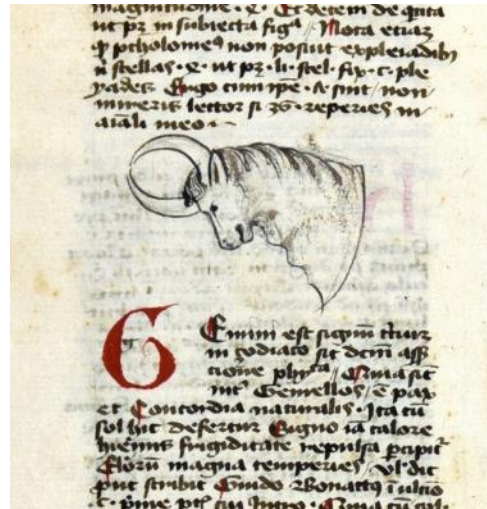
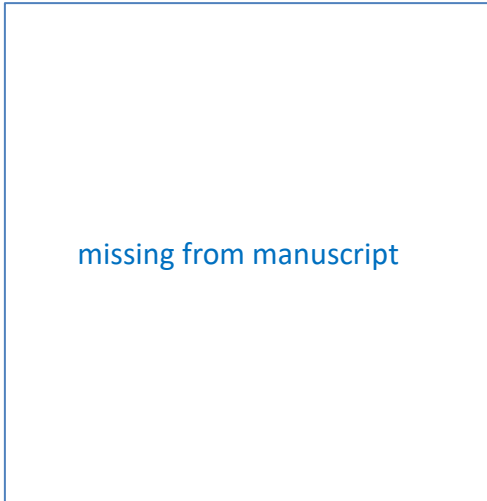
Vatican BAV
Val Lat 3121

n.b. – full-bull reclining (?) to left, left leg tucked under, right leg extended, tail curled around haunch



Madrid, BN
Ms 1983

n.b. – half-bull facing left, both legs tucked under, no stars



Florence, Bibl. Laurenziana
Aedil 170

n.b. – head and neck of bull facing left



London, Lambeth Palace
Ms 35

n.b. – half-bull facing left, both legs tucked under, surrounded bystars



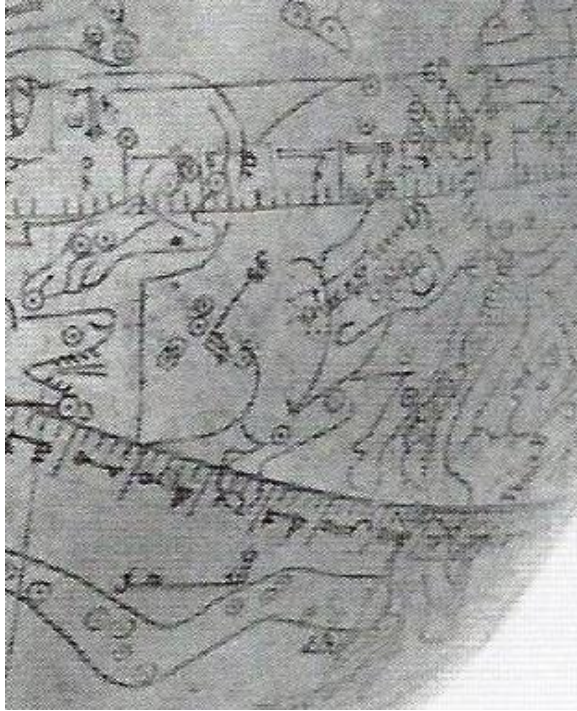
Florence, Bibl Laurenziana
Plut 40 53

n.b. – half-bull to left, both legs extended, emerges from clouds

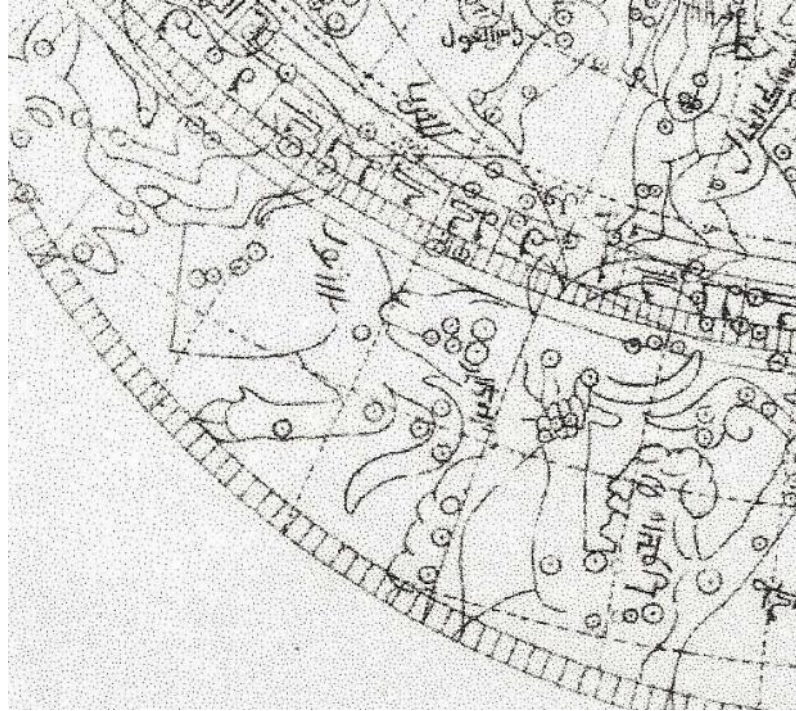


detail from planisphere

half-bull, left left tucked under, right extended

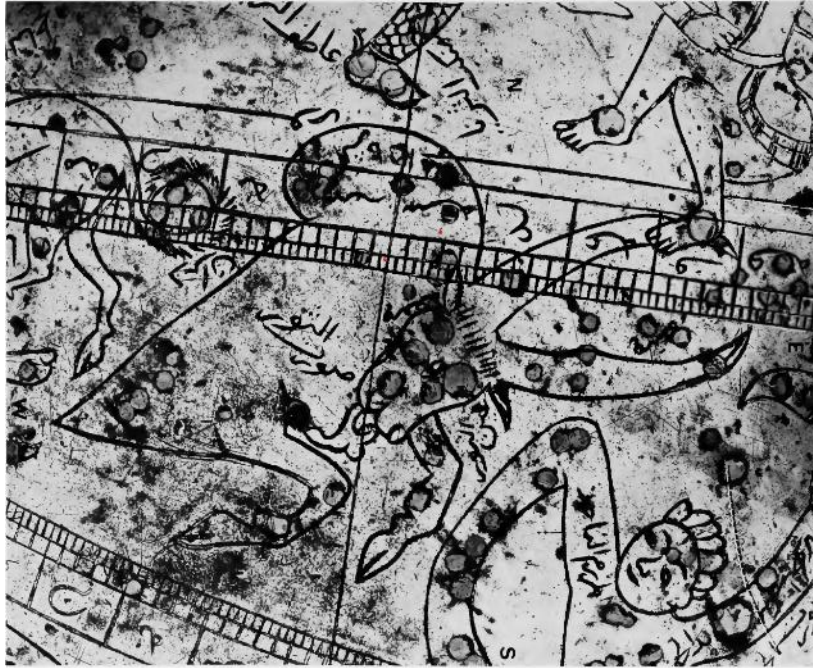


Florence, Mus delle Scienze, no. 2712
dated 1025 AD
n.b. – half-bull to right, both legs bent



Paris globe GA 325
n.b. – same

Eastern Globes



Smithsonian Mus, no 72-3085
cf: Savage-Smith 1985, p. 165

n.b. – half-bull to right, both front legs bent,
hump on back, long horns

Taurus



BM – Malcolm globe
n.b. – similar

missing from manuscript

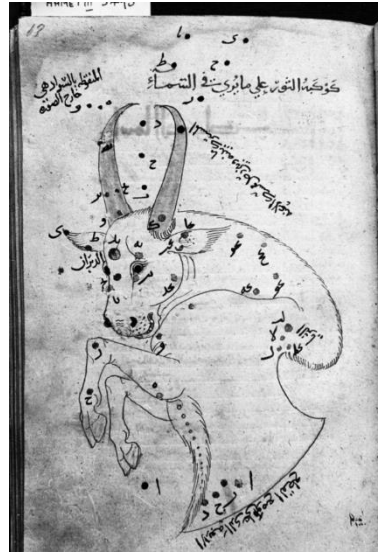
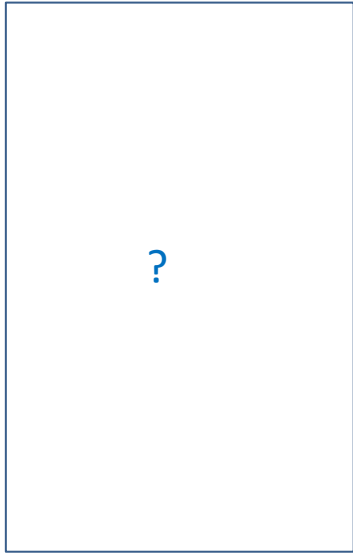


?

?

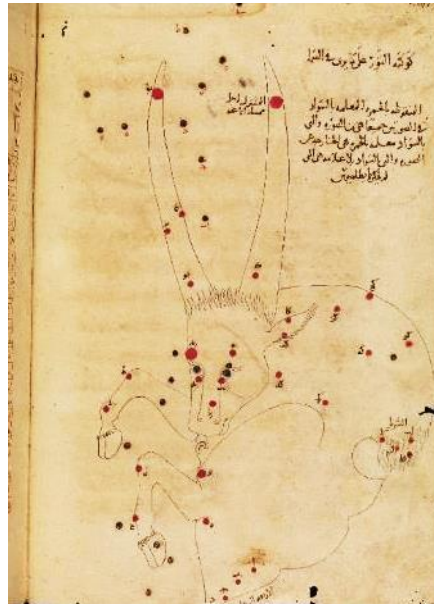
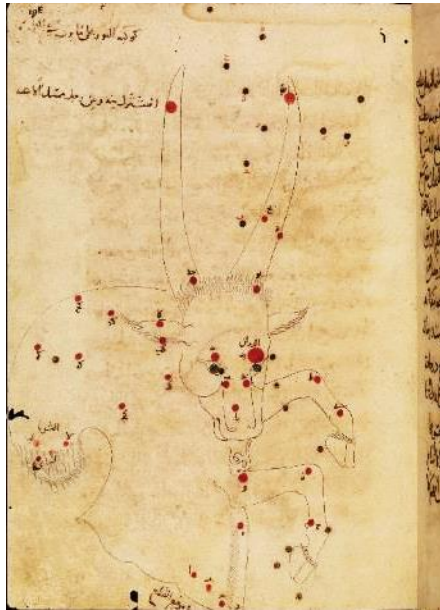
Doha, Mus of Islamic Art
Ms 2. 1998. SO (= Sotheby's 1998, lot 34)
Dated April 1125 AD; Baghdād
n.b. – half-bull, hump, both legs bent, long horns

Istanbul, Süleymaniye Libr
Ms Fatih Kütüphanesi 3422
1125/26 AD; Mārdin
similar



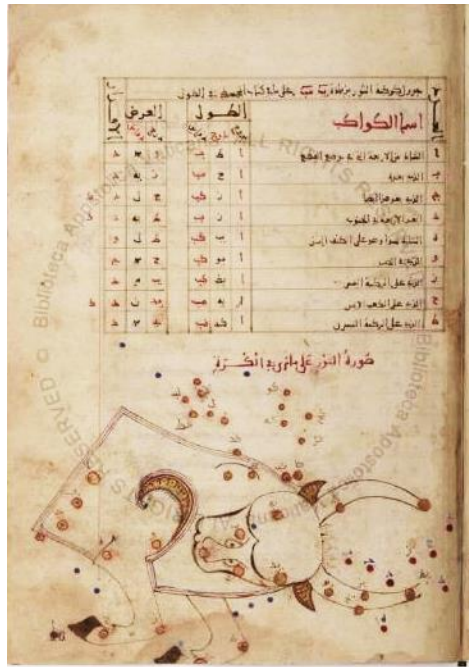
Istanbul, Topkapī Sarayī
Ahmet II 3493
1130-31 AD, Mayyafariqin, SE Turkey
n.b. – vertical on page, both legs tucked under, hump, long horns

Oxford, Bodleian Library
Huntington Ms 212
1170/71 AD; Mosul
n.b. – similar



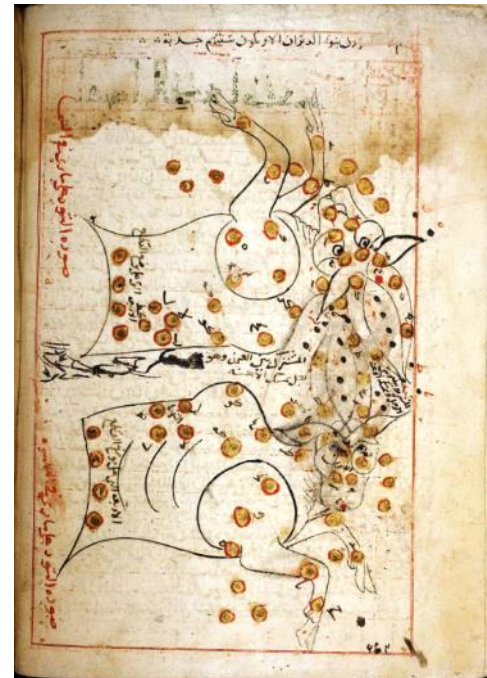
Oxford, Bodleian Libr
 Ms Marsh 144
 Dated 1009-1010 AD / probl. late 12th C AD; Shiraz (?), Iran
 same

Berlin, Staatsbibl.
 Ms qu or 704
 c. 1203
 same

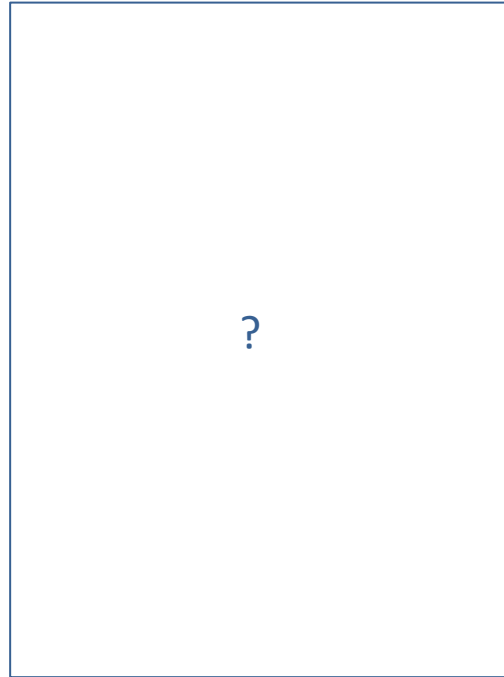
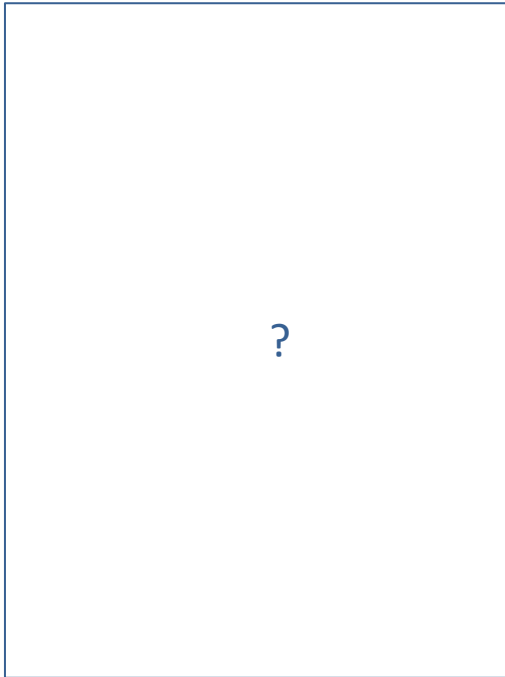


Vatican, BAV
Ross 1033
1224 AD, Ceuta (?) N Africa

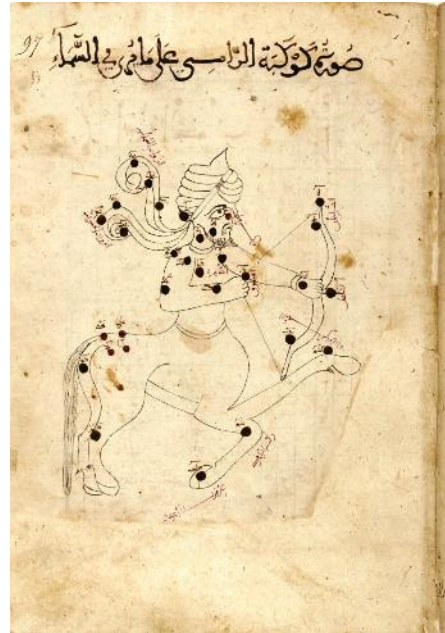
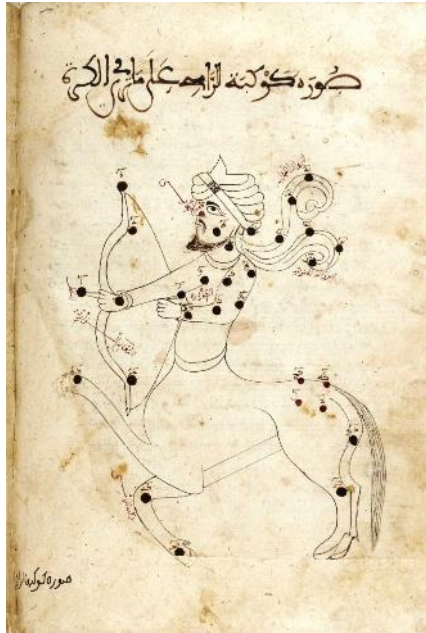
n.b. – similar, no hump, set horizontally on page



Berlin, Staatsbibl.
Landberg 71
Aug/Sept 1233; Mosul
n.b. – similar, but with slight hump



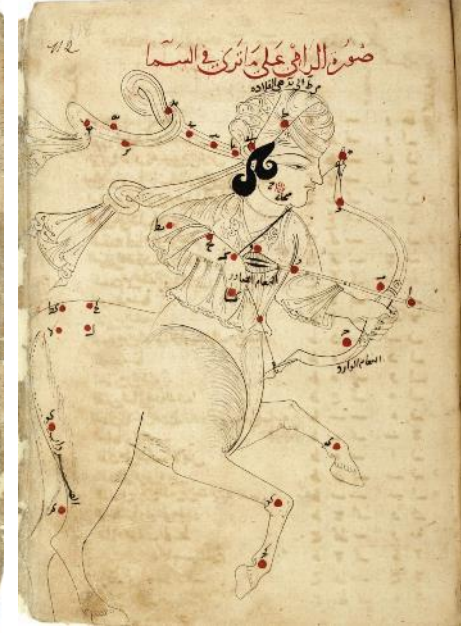
Istanbul, Suleymanie Libr
Ayasofia 2595
1249-50 AD; Alamut (?) Iran



Paris BN
Arabe 2488
mid-13th C, Ceuta (?) N Africa
n.b. – similar

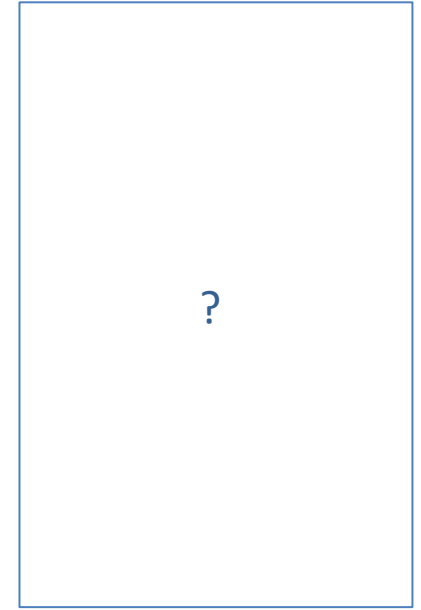
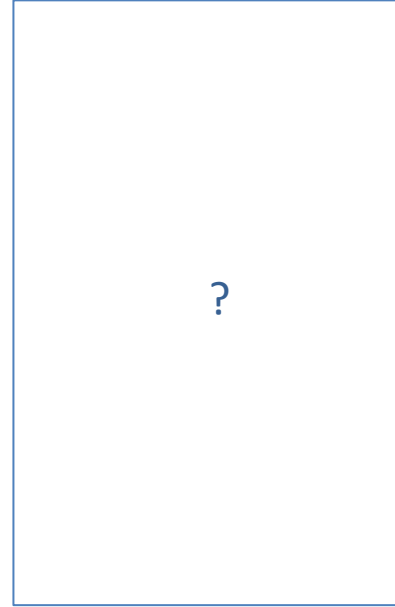
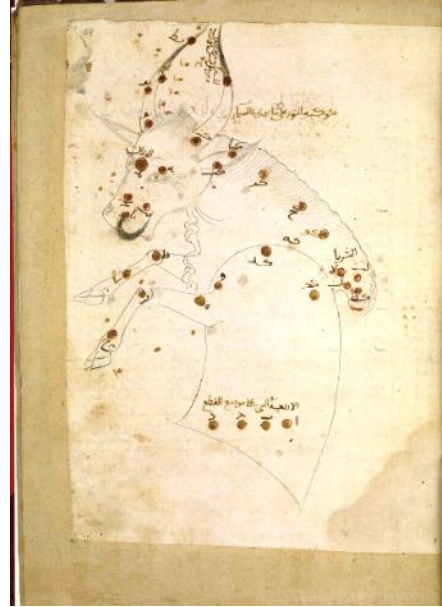
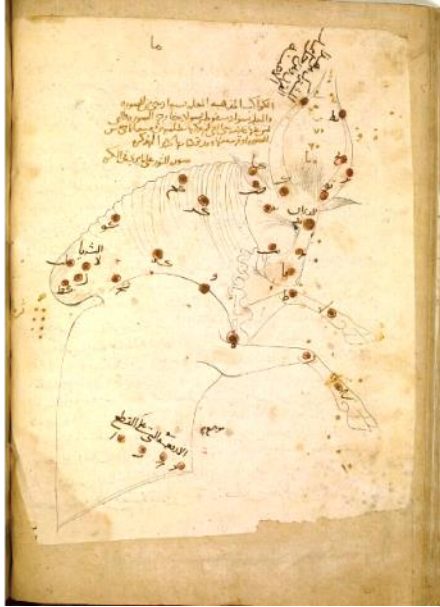


Paris BN
Arabe 2489
1266-67 AD; Syria?
n.b. – similar



non-Latin Eastern mss (al-Sufi, *Kitāb suwar al-kawākib al-ṭābita*)

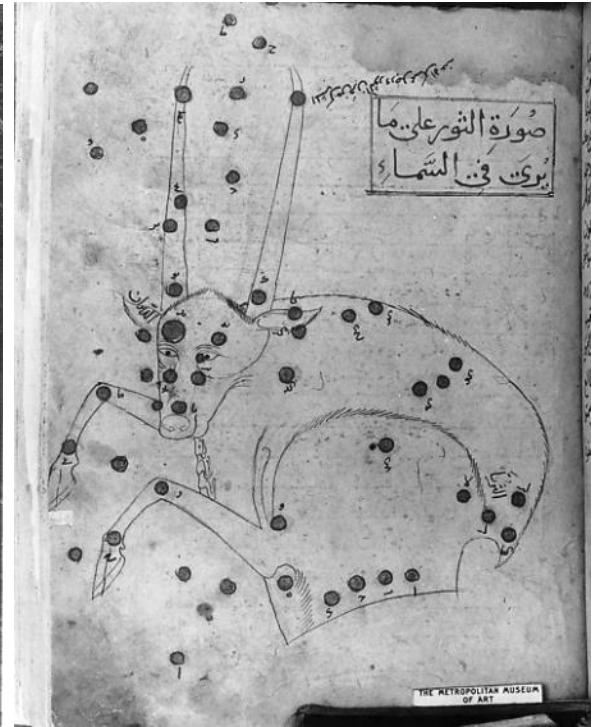
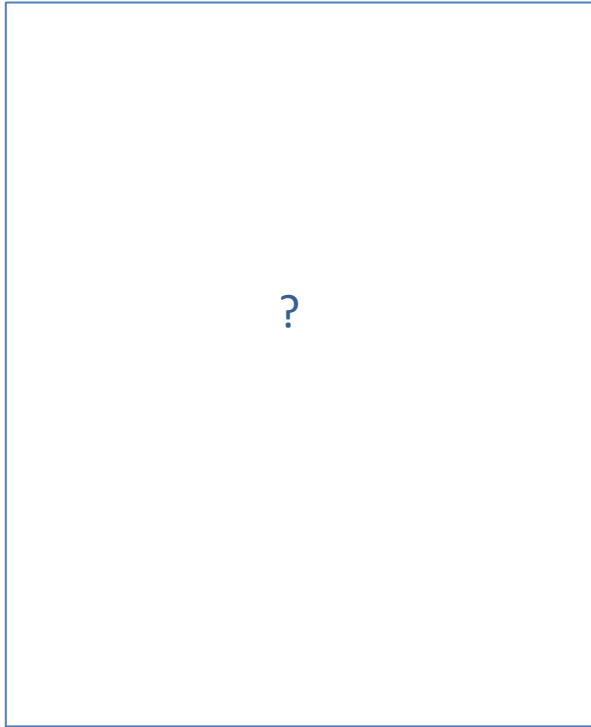
Taurus



London BL
Or 5323
1260-80; Maragha (?), NW Iran
n.b. – similar, with hump

Cairo, National Libr
Ms Dar al-Kutub miqāt 390
1300 AD

Oxford, Bodleian Libr
Pococke 257
1303/04; Aleppo

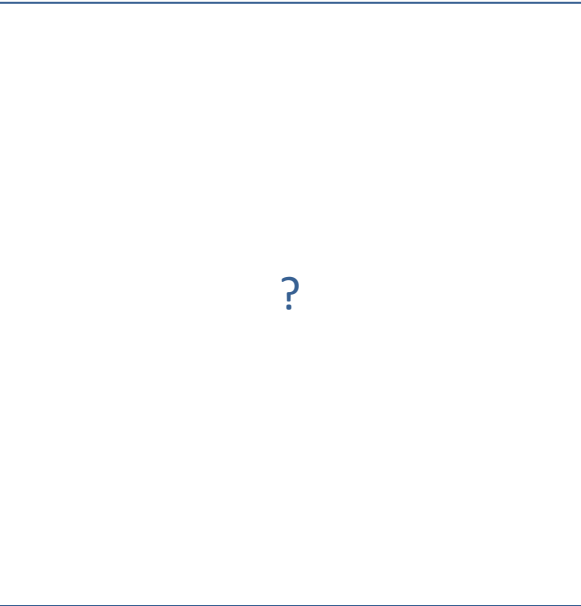
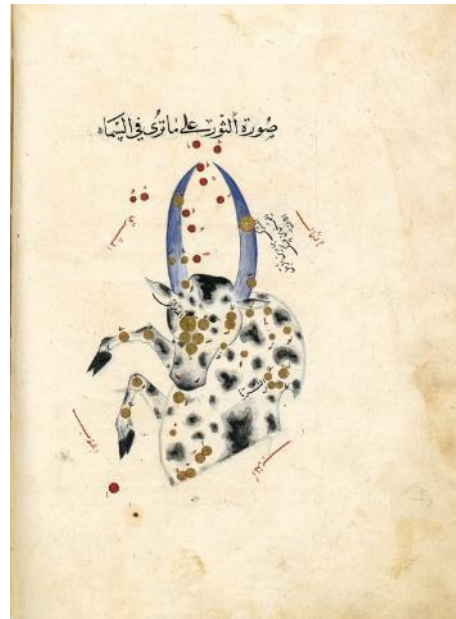


Escorial
Ms 915
20 March 1364 AD

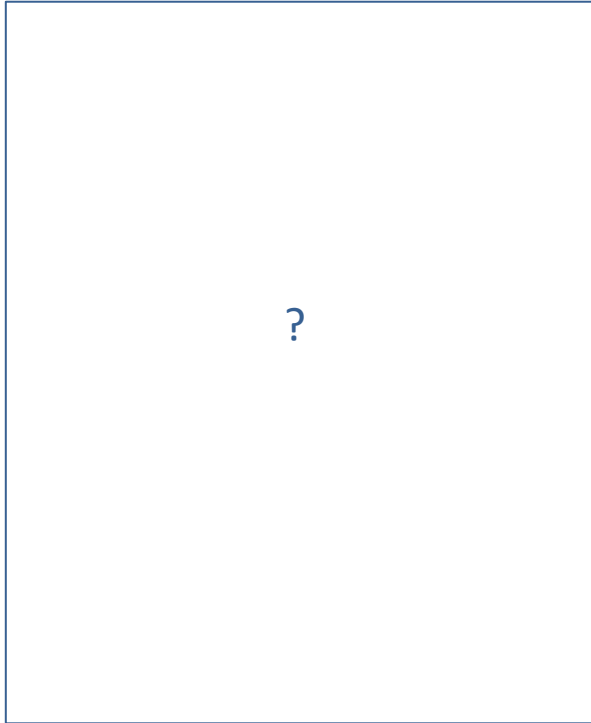
NY, Metropolitan Mus
Ms 13.160-10 (Rogers Fund 1913)
c. 1400, Samarkand
n.b. – similar, with hump



Paris BN
Ms arabe 5036
c. 1430-40, Samarkand
n.b. – similar, with hump

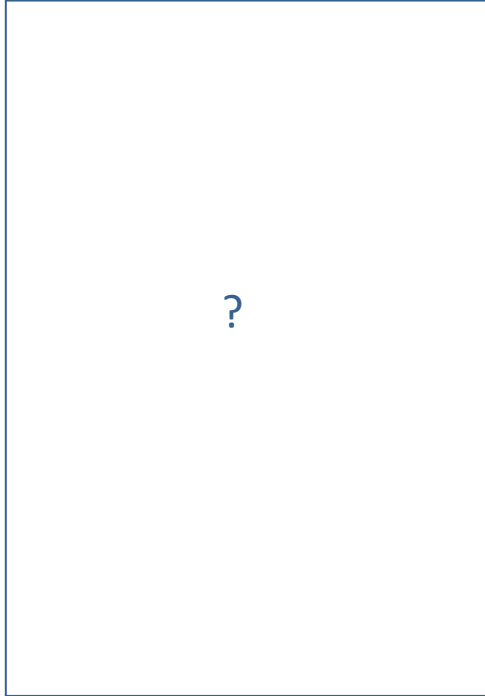


Bologna, Bibl. Univ
Ms 2953
8 Oct 1500 AD

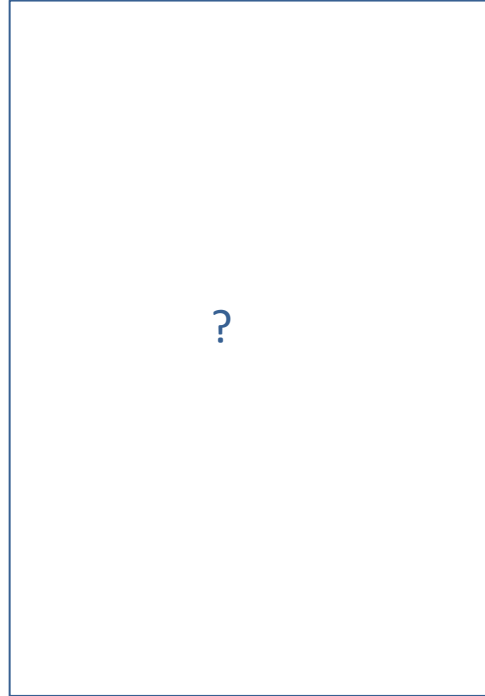


Dublin, Chester Beatty Libr
Ms Ar 4119
1504/05 AD

Paris BN
Arabe 2490
1516/17 AD
n.b. – similar, with hump



Dublin, Chester Beatty Libr
Ms Ar 4222
16th C; Iran



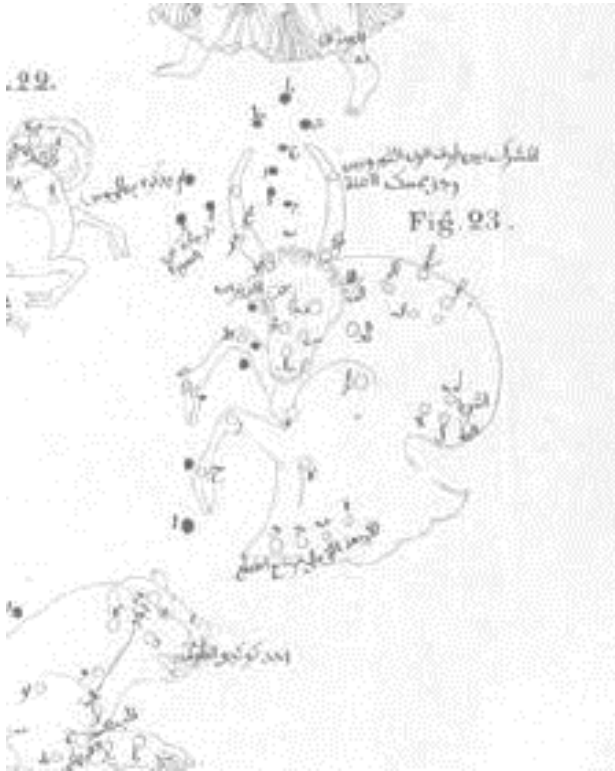
London BL
Add ms 7488
16th C



Istanbul, Perter Pasa Libr
Ms 375
16th C
similar, with hump



Copenhagen, Kong. Bibl.
Ms arabe 83
25 May 1602 AD; Medina; copied from copy dated 1013/14
AD believed to be al-Sufi's own copy
n.b. – half-bull, with clouds (westernised)



St Petersburg, Inst Or Studs
 Ms n.s. 191
 16th C; Istanbul ?
 n.b. – vertical on page, with hump

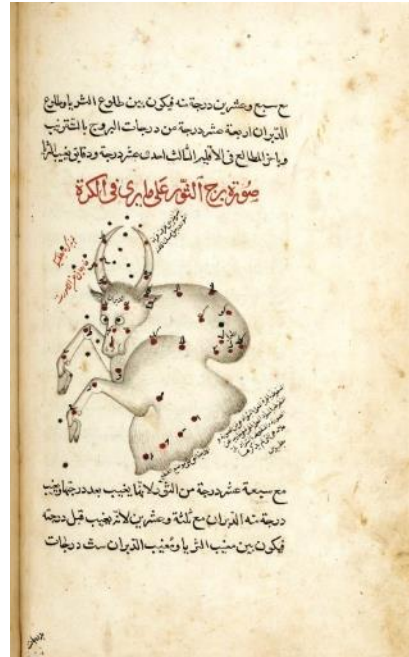


Princeton, Univ Libr
 Ms Garrett 2259 Yehuda
 al-Sufi, dated 3 Jan 1607
 same



Paris BN
Arabe 6528
India, 1643-44

n.b. – both with humps; first set with oddly-placed legs



Paris BN
Arabe 2491
1770 AD
n.b. – vertical on age, with humps

Paris BN
Arabe 2492
18th C
similar



New York, Met Museum of Art

Ms 1975.192.2

attr. Iran (?), 18th C

n.b. – horizontally on page, head twisted towards viewer, hump

non-Latin Eastern mss – al-Sufi translations, etc.

Taurus



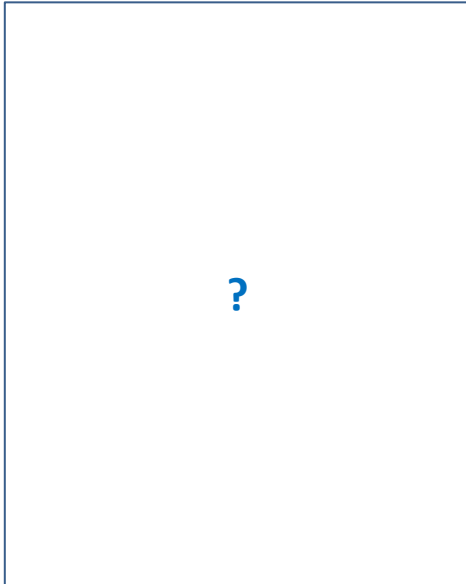
al-Sufi, at-Tusi transl???



Tehran, Riza 'Abbasi Libr
Ms M. 570
Ibn-al-Sufi (son)
1159-60 AD



Taurus, Kitab as Bulhan ('Book of Wonders')
Arabic, 4th quarter 14th C
Oxford, Bodleian Libr, Ms Or 133
similar, with hump



St Petersburg, Ms E (?)
Qazwini

Baltimore, Walters Art Gall
Ms W 359
Qazwini –
n.b. – faces to the right, front legs extended, head
turned towards viewer, hump



Paris BN
Arabe 2178
1762-63 AD –
n.b. – faces left, highly stylised



Qazwini
Washington DC, Freer
Ms 1954 -52 (ex-Sarre)
n.b. – vertical on page, facing left, legs extended, hump

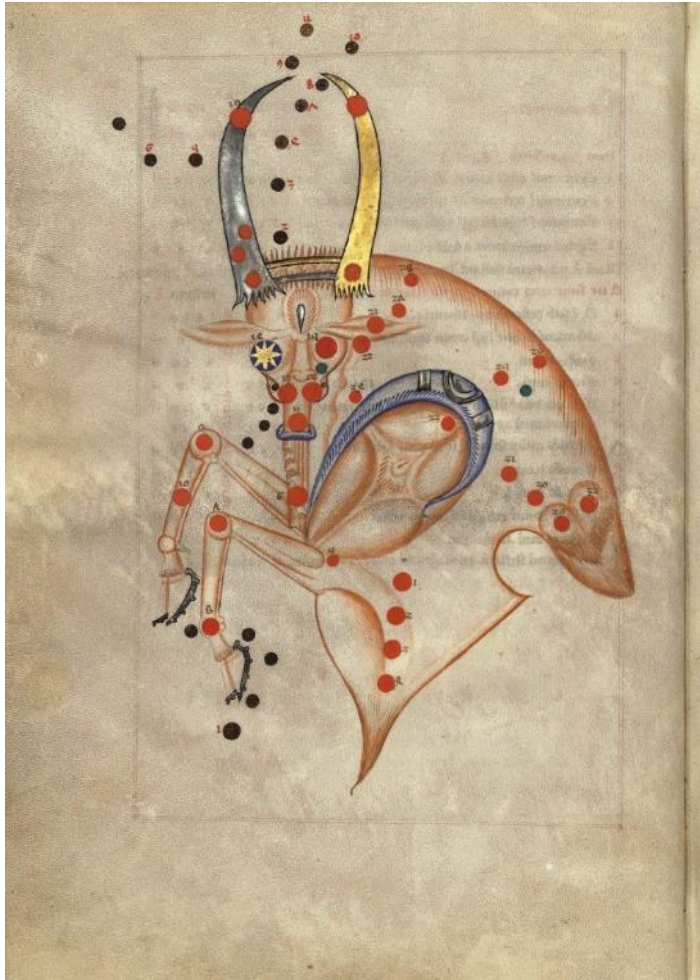


Qazwini
Persia, 15thC
Vienna, ÖNB, arabe
n.b. – vertical on page, facing right, legs extended, hump

Sufi latinus – I

Stellatio tauri

Taurus



Paris, Bibl Arsenal

Ms 1036

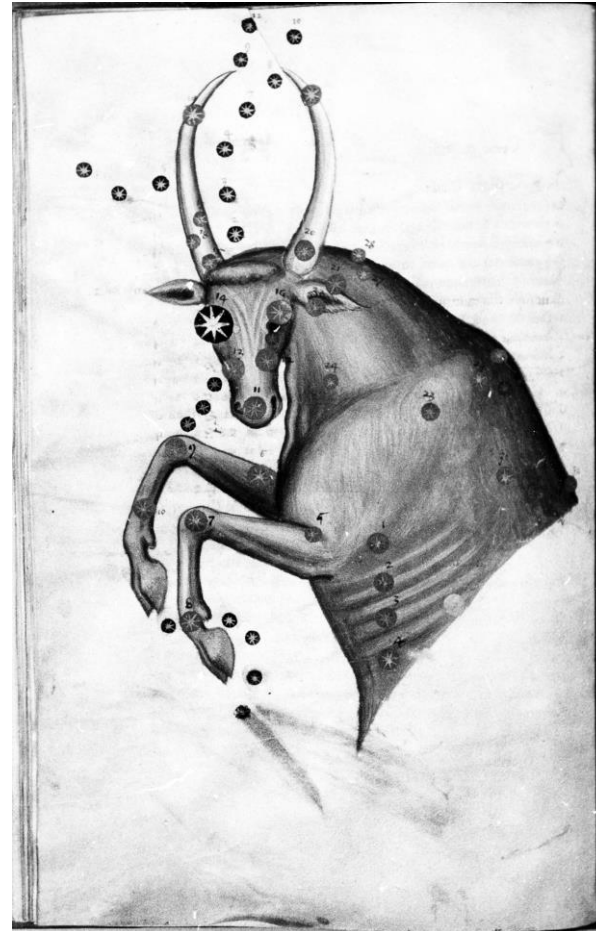
n.b. – stylised half-bull set vertically on page, faces left with head twisted toward viewer, front legs bent, concavity in cut-off = memory of hump



Prague, Strahov

DA. II. 33

n.b. – similar, but more normative



Berlin, Staatsbibl, KK

Ms 78 D 12

same

missing from manuscript



Munich, Staatsbibl
CIm 826

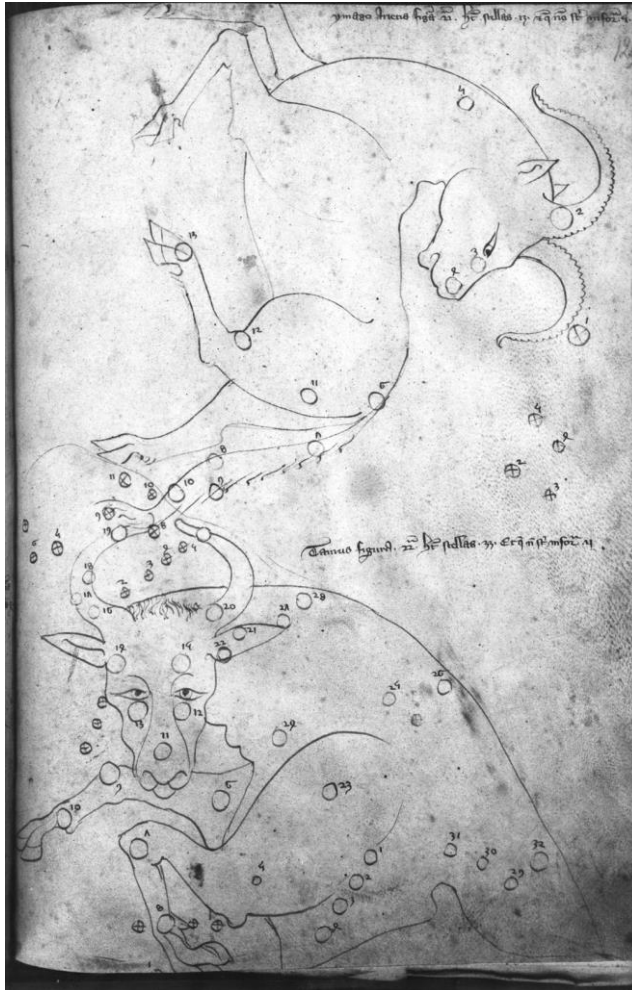
Gotha, Forshungsbibl
Membr II 141
same



Catania, Bibl Univ
 Ms Univ Ar, 387
 n.b. – similar, with concavity in cut-off



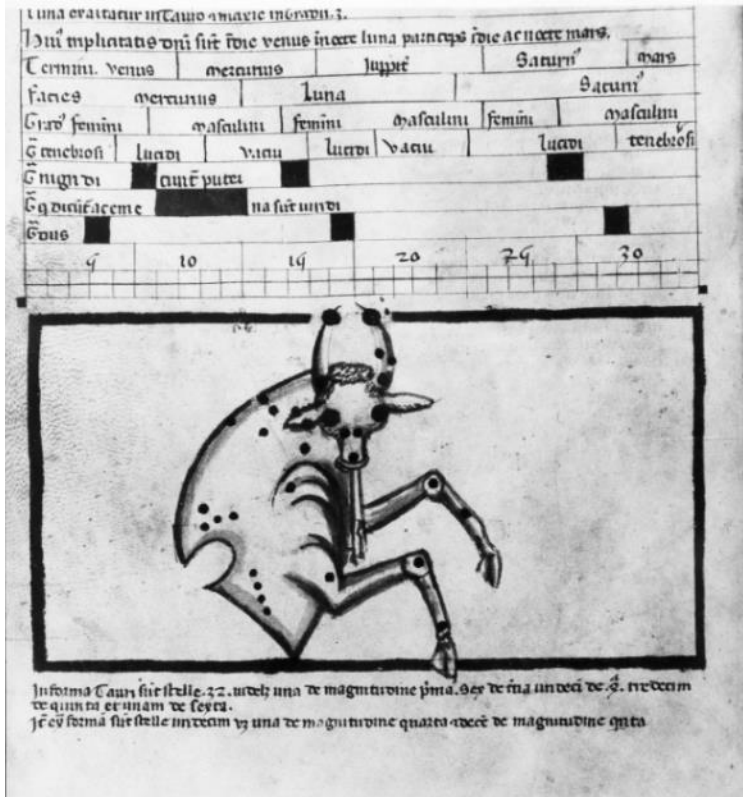
Vienna, ONB
 Cod 5318
 Similar, but faces right



Bernkastel-Kues, Nicolaus hosp.

Ms 207

n.b. – similar, faces left



London, British Library
 Add ms 23770
 Itlaan, c. 1350

n.b. – similar, faces right, concavity in cut-off



Paris, Bn
 lat 7272
 Neapolitan, c. 1225-30

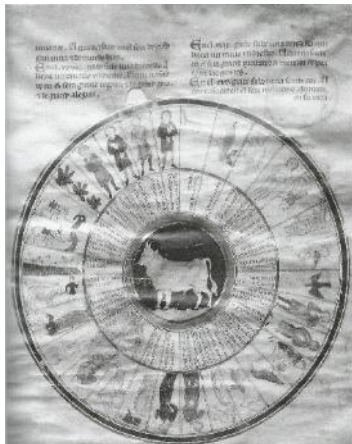
n.b. – half-bull walks to right



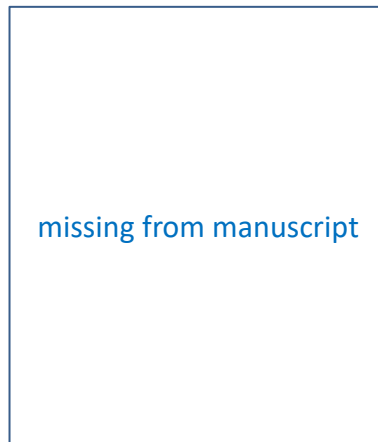


El Escorial
Ms h 115
n.b. – full-bull prances to right

and 9 more



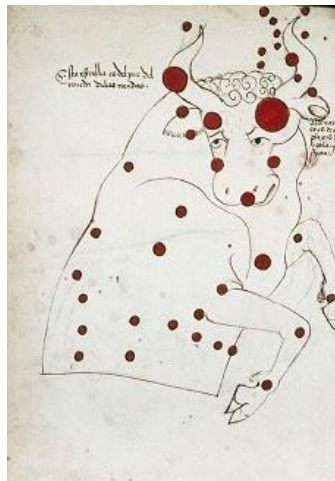
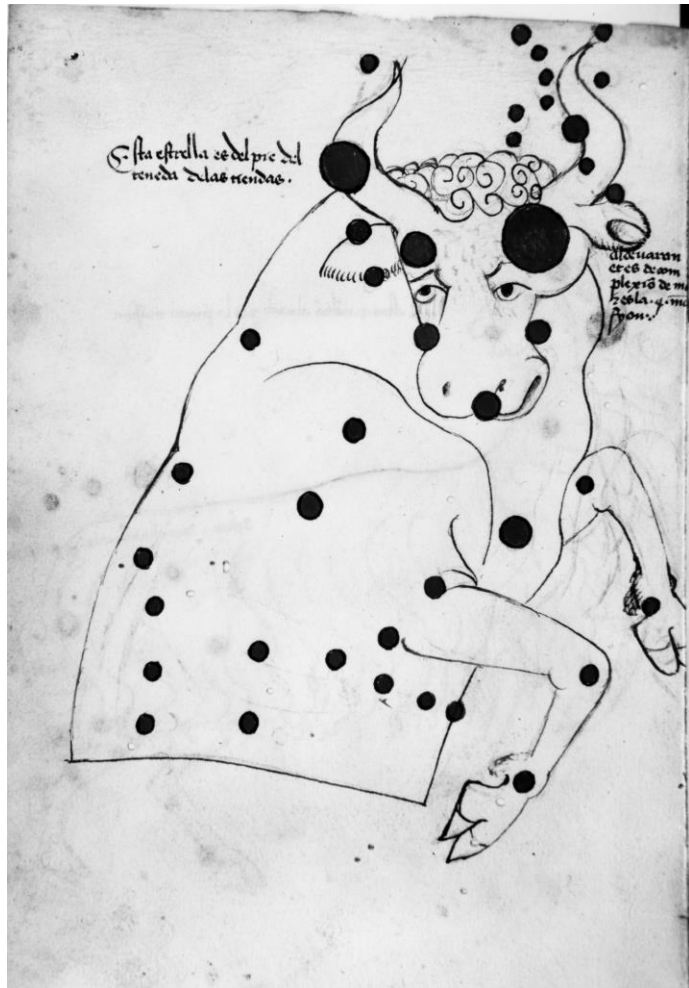
Vatican BAV
Reg lat 1283a
n.b. – full-bull stands to left



Vatican BAV
Vat lat 8174



Los Angeles, Getty Mus
Ms Ludwig XII, 7
full-bull leaps to left
Figura tauri dicitur arabice altaur



Oxford, Bodleian Library
Can. misc. 27 (zodiac only)

n.b. – placed vertically on page, faces right, but turns head to the left



Oxford, Bodleian Libr

Rawl C 117

n.b. – full-full reclines to the right, with front legs tucked under and head turned towards viewer

stellacio tauri



Vatican, BAV
Urb lat 1399

n.b – full bull prancing to the right, with head turned towards viewer; stars only in front half



Oxford, Bodleian Library
Can misc 554

n.b. – full-bull leaps to right



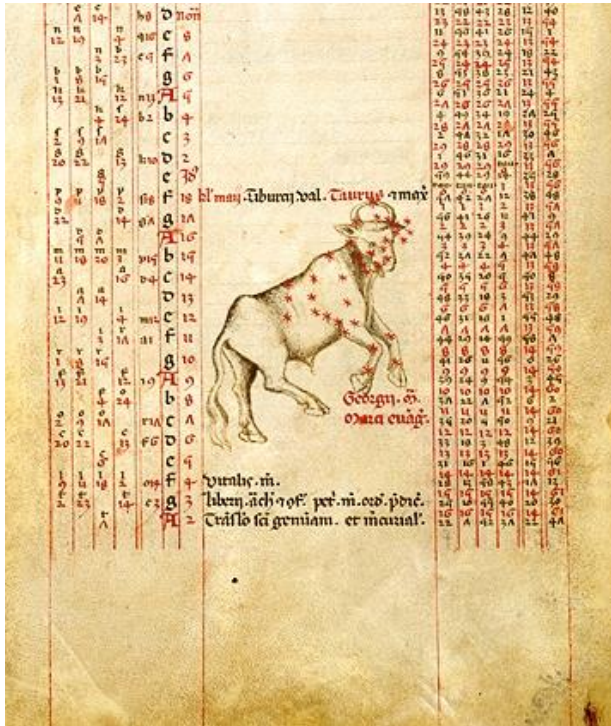
Bergamo, Bibl A Mai
Ms Σ II 2

n.b. – half-bull facing towards left, front legs
extended
stellatio thauri



Vatican, BAV
Vat lat 3099

similar, but reversed with Pleiades on neck
stellatio Tauri



New York, Morgan Pierpont Library

Ms 355 (zodiac only)

n.b. – full bull walks uphill to right, stars in front part only



Brussels, Bib Roy
Ms 10117-26

n.b. – half-bull faces right and turns head towards viewer,
both legs tucked under
Forma et stelle Tauri



Vatican BAV
Pal lat 1368

n.b. – half-bull towards to left, legs bent, long horns



Vatican BAV
Pal lat 1377

n.b. – half-bull towards to right, legs bent, large horns



Torun
Ms 35

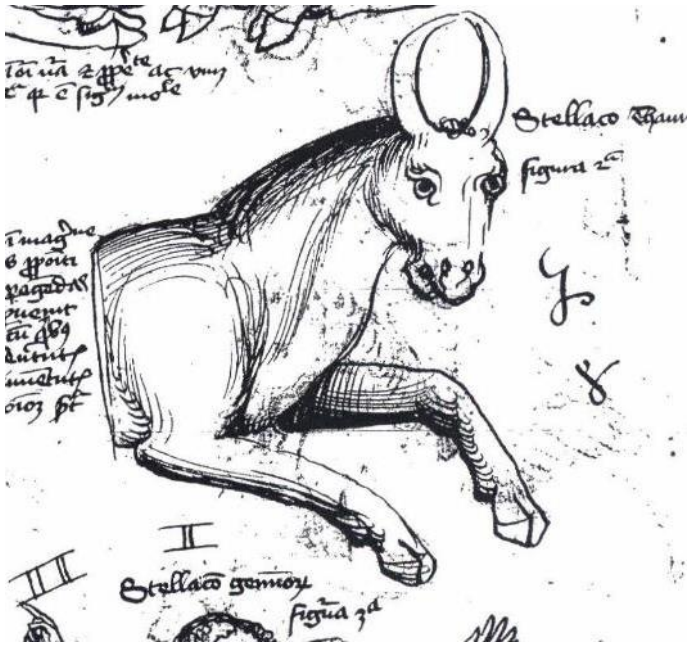
n.b. – full-bull reclining to left, front legs crossed, stars
or front half, tail between legs



Augsburg, Univ-bibl.

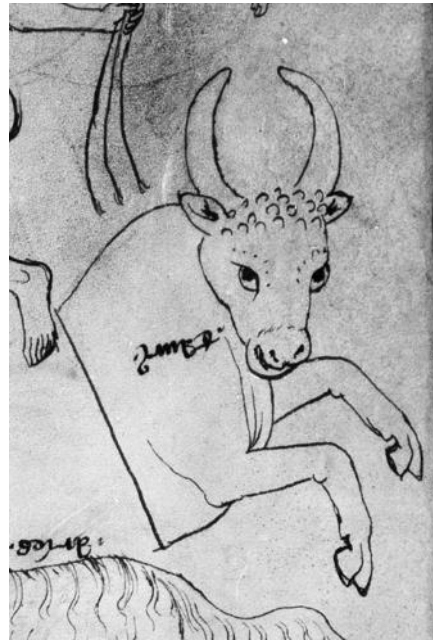
Cod II 1.2o 110

n.b. – full-bull reclining to left, front legs crossed, stars
or front half, tail curled



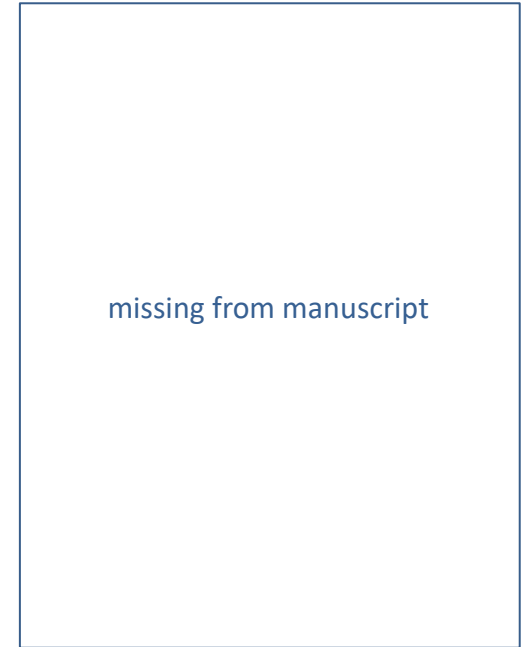
Cambridge MA
Houghton, Typ 43

n.b. – half-bull to right, both legs extended, no stars



Basle, Univ-Bib
Ms F. II. 33

similar



Florence, BNC,
Ms Angeli 1147



Vienna ONB

Vienna 5415

n.b. – half-bull to left, left leg tucked under, right leg raised

– which he bites, long horns, no stars

Stellatio tauri que est Aran seu baran

Vienna ONB 5415

northern hemisphere

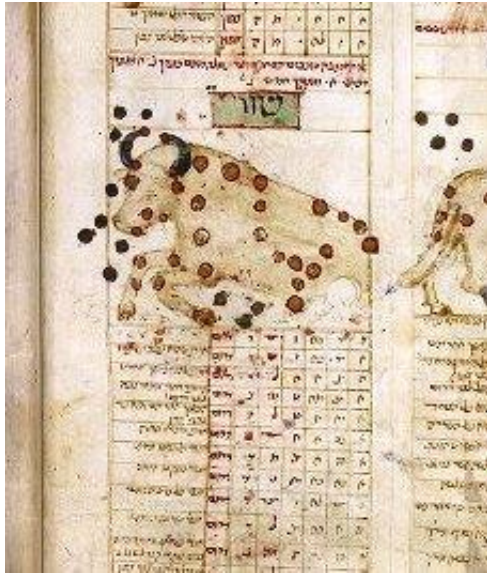
reversed, not biting leg



Munich, BSB

Clm 826

n.b. — full bull climbs to the right
(see also Sufi latinus II for those pictures)



Philadelphia, U Penn

Ms LJS 57

n.b. – 3/4-bull faces left, kegs bent, clouds at cut-off



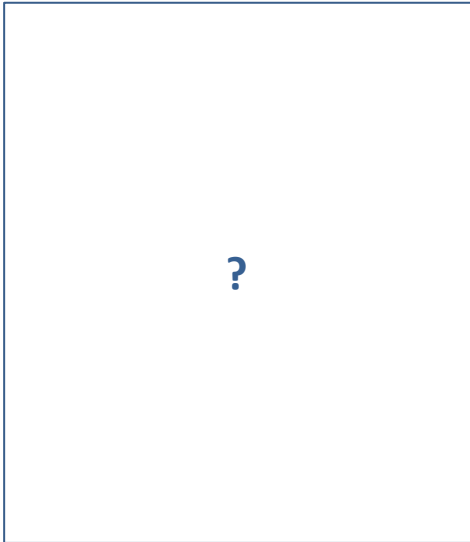
Vienna, ONB

Hebrew 132

same

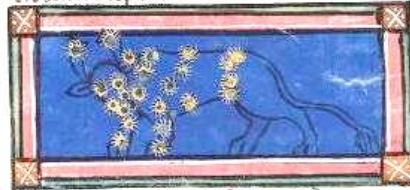


northern hemisphere



Padua, Univ . Bibl.
Cod 896

dois eius fcedit. qm tūptant eam
 ut mare lētam ifidā. ip forū tauri
 depofuit que te feda collocatur. t est f
 fignū zodiaci equofol pag mo' vna
 fplendi a' m celo vnu ftellis ut pat
 fbita defēptōe.



Et nocenti exha dilavde dām
 Qm munit ipens mēris oppofiti fpec.
 Edueq' t imo editis tēgno exēhan
 Quidq' velenū ē ul' ueat. urānū t iūllū
 Sūāplādes lignemū ipiatas feror. fact.
 Ervora tife fū armar' fūvōe.

Vatican BAV
Urb lat 355

n.b. – full-bull walks to left, head dipped, stars
in front half

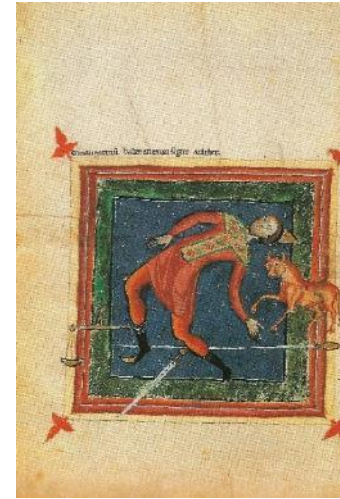
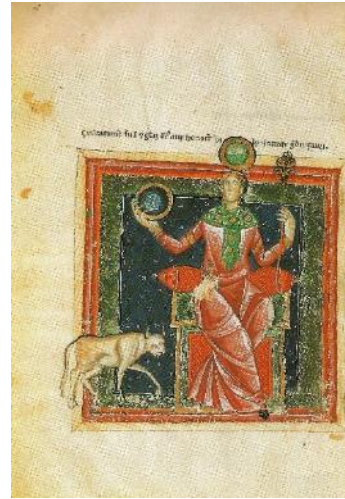
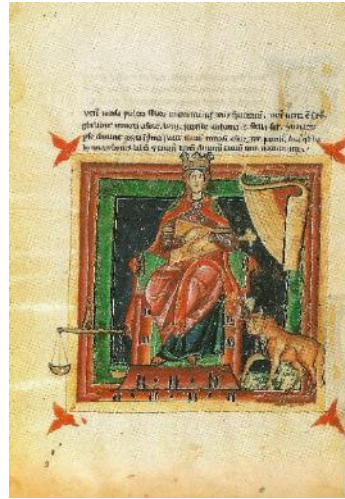
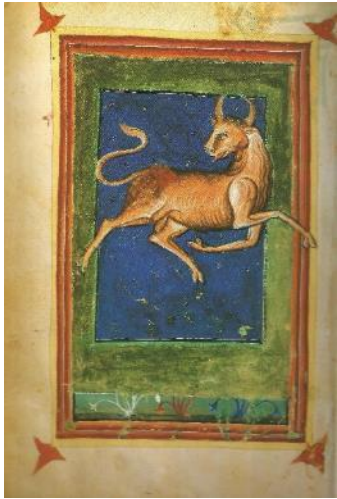
meomū ius. Splēdi a' celo. vnu
 ftellis ut p' i fbita defēptōe.



Vn q' ad h' dicit hunc. i. ex alia
 pte q' lūar. i. plōgar' dies ue
 tēvete. f. or neq' ē calido excelli

Vatican BAV
Vat lat 1650

n.b. – similar, head raised



Paris BN
Lat 7330

Venus – domus

Luna - exaltation

Mars – detriment

no fall



Paris BN
Lat 7331

Venus – domus

Luna - exaltation

Mars – detriment

no fall



London BL
Sloane 3983

Venus – domus

Luna - exaltation

Mars – detriment

no fall



NY Pierpont Morgan Libr
M 785

Venus – domus

Luna - exaltation

Mars – detriment

no fall

missing from
manuscript

Paris BN
Smith-Lesouëf 8
15th C



Venus – domus



Luna – exaltation



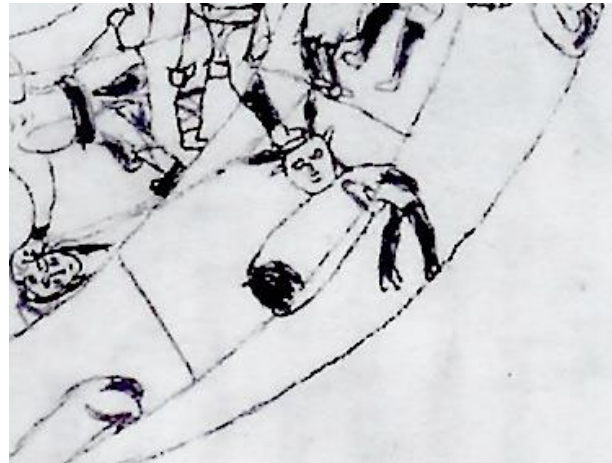
Mars – detriment

no fall



Bernkastel-Kues
St Nicholas-Hospital
Ms 212 (hemispheres)

n.b. – full-bull reclines to right, front legs extended



Darmstadt, , Univ- and Landesbibl.
Ms 1020
northern hemisphere

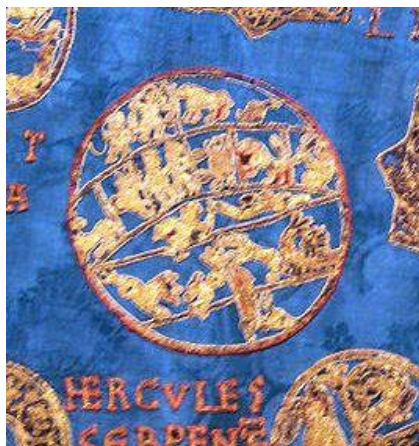
n.b. – half-bull faces right, head turned towards
viewer, front legs extended



Cusanus globe

n.b. – half-bull faces to right, head dipped, front legs bent

© Petr Hadrava



Mantle of Henry II
Regensburg, c. 1020
Bamberg, Domschatz
n.b – bull to left, clouds/legs?
cf. RAL mss; O'Connor 1980

summer hemisphere
half-bull

Miscellaneous



Taurus
English, c. 1170
Glasgow, Univ Libr Hunter
229



Aries, Taurus
Reichenau, ea. 11th C
Munich, BSB, clm 4454



Ivory casket
Quedlinburg, treasury
**n.b. – reclining to left, tail
between legs**



Paris, BN, lat 9471



Taurus
Bedford Hours
Paris, 1410-30
London, BL, Add 18850

Taurus



Aries and Taurus
c. 1130-35
Sacra di San Michele



Astronomical water clock
Egyptian, 1354
Boston, MFA (inv. 14.533)



Source gallica.bnf.fr / Bibliothèque nationale de France. Département des manuscrits. Arabe 2583



Source gallica.bnf.fr / Bibliothèque nationale de France. Département des manuscrits. Arabe 2583



Source gallica.bnf.fr / Bibliothèque nationale de France. Département des manuscrits. Arabe 2583

Three decans of Taurus with planet gods above and prosopa below

Albumasar, *Book of Nativities*

Cairo, 15th C

Paris BnF, arab. 2583