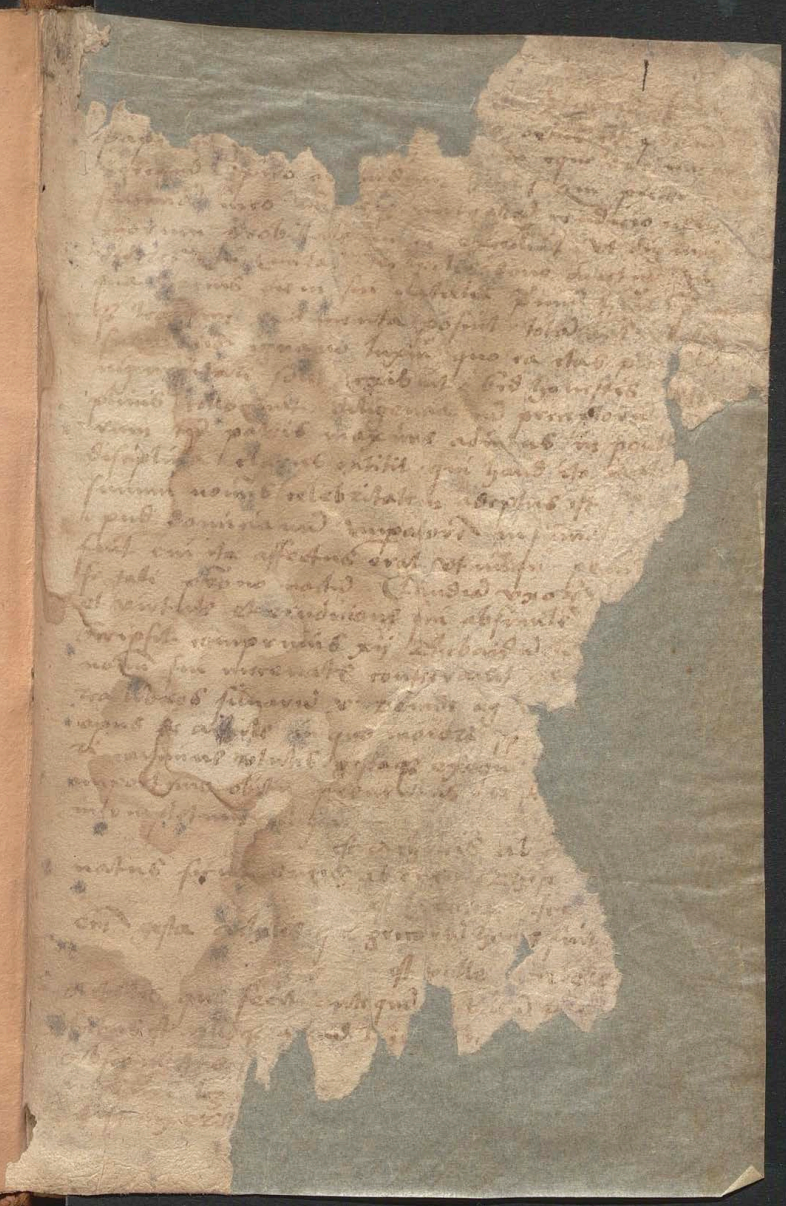
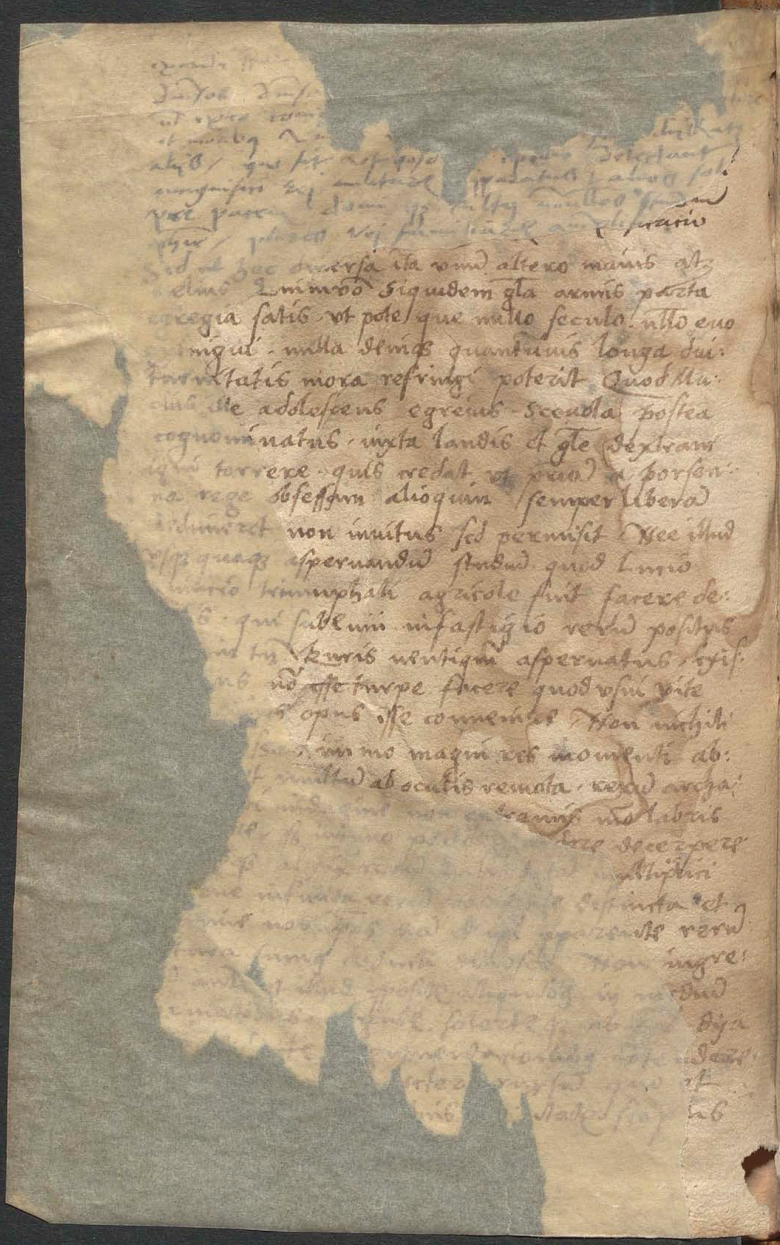
3223

N° 3223

folia continens 191

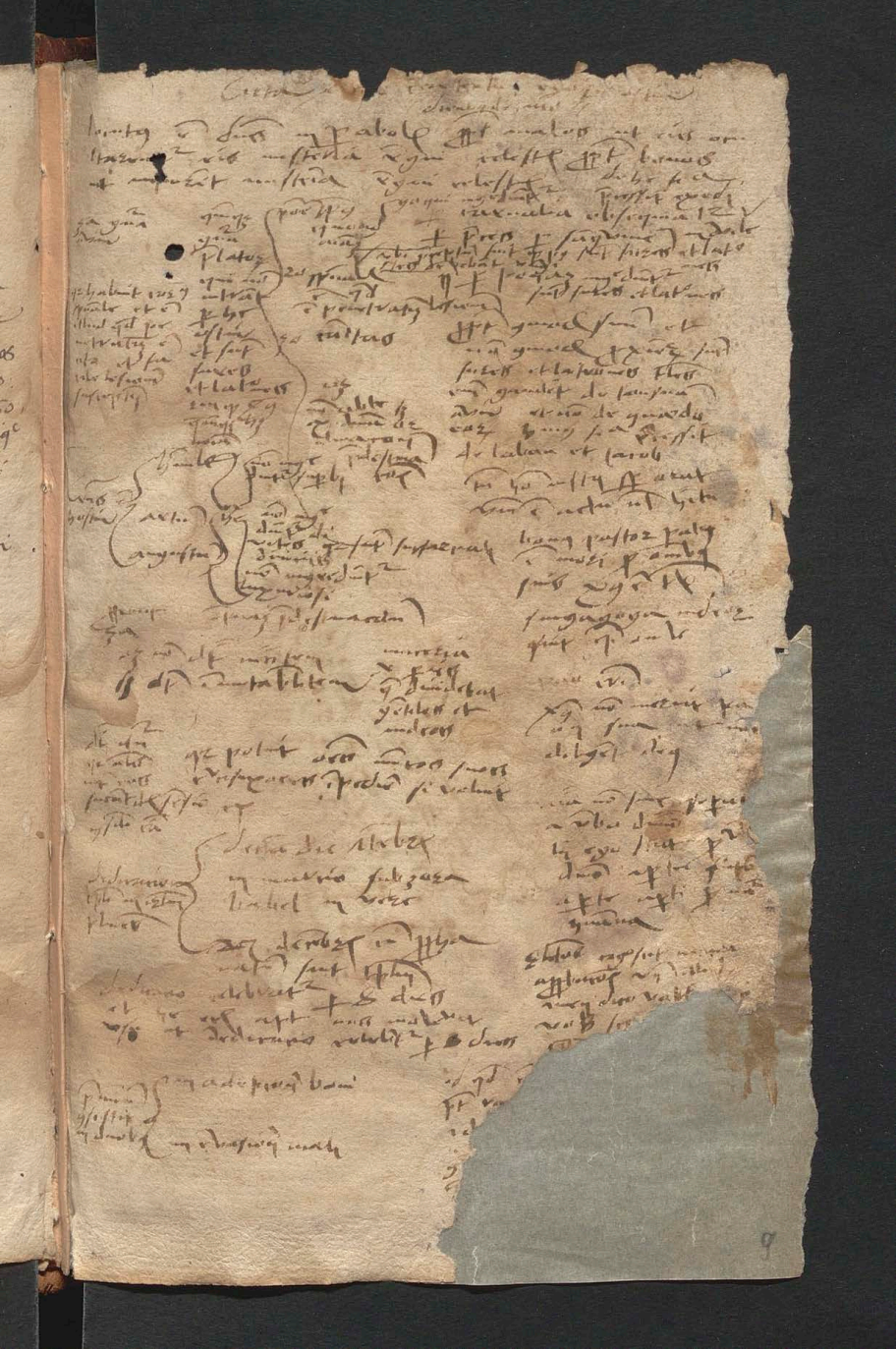
compactura renovata m. augusto 1904





Adelige primo ☉ assensu obliqui sui regredi. eorundē signo
asscite figure naturali, et mos seruabe in tabulis ejus
multiplicabe ☽ ☉ p̄ mot̄ annorū suor obtentorū similiter
multiplicabis Mtm si qua fuerint fin ☉ asscite p̄ annos
completos et inde p̄ 60 et p̄ venient ☉ quos adde prio.
rebus quos assumpsisti et sta omnes collectos inde p̄ 360.
et quod min 360 fuerit retinet qre in tabulis asscitis obliq
et patebit in tabulis quod eqlium ☉ asscite signū quod in
quibus est in linea asc ☉ equalius et hoc erit
asc retinet nata Et tabula asscite reuolutis gradib
anni pro sequenti habebis adde ☉ eorundē illi asscitis
☽.

[illegible]



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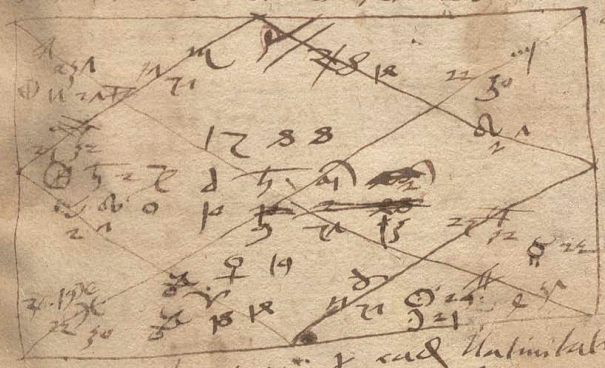

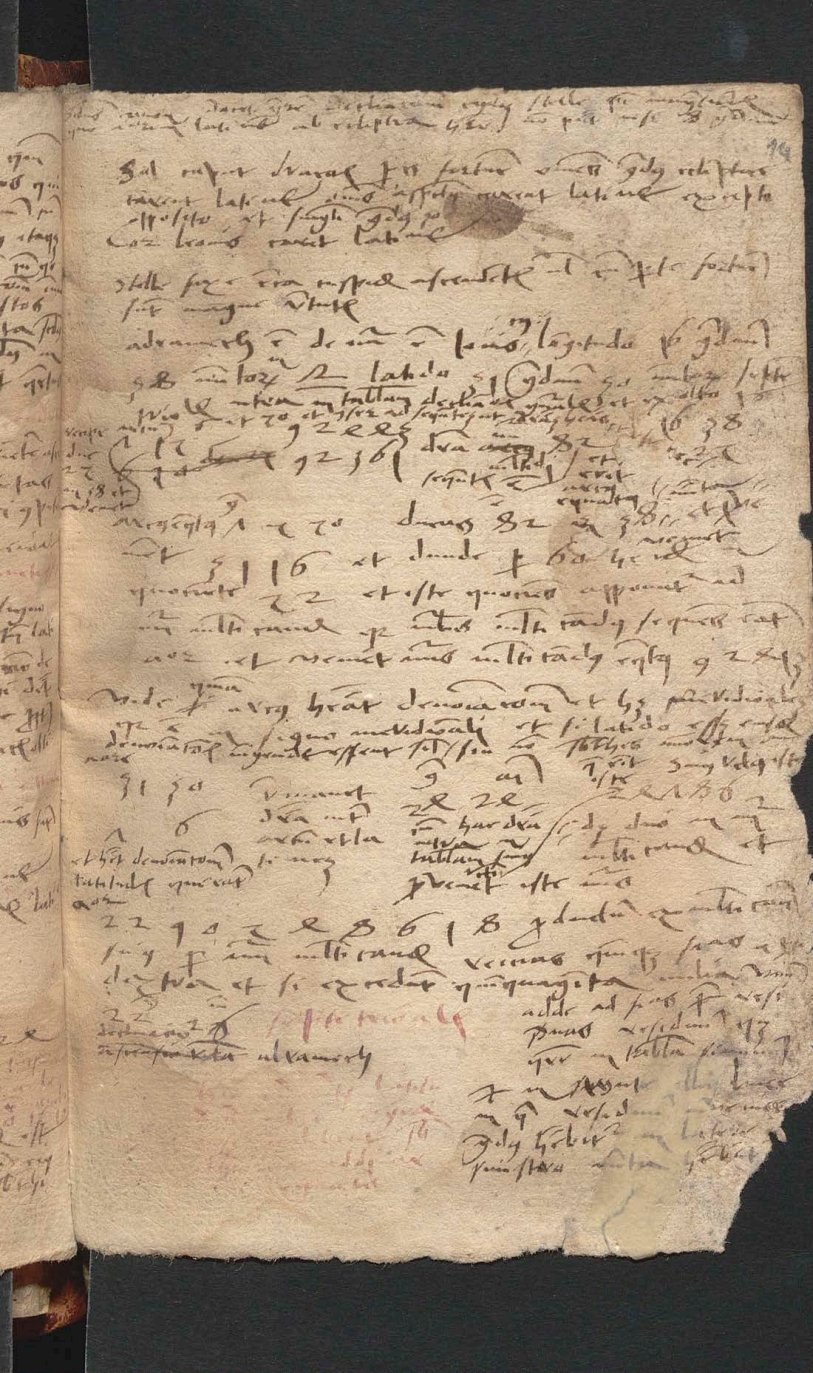

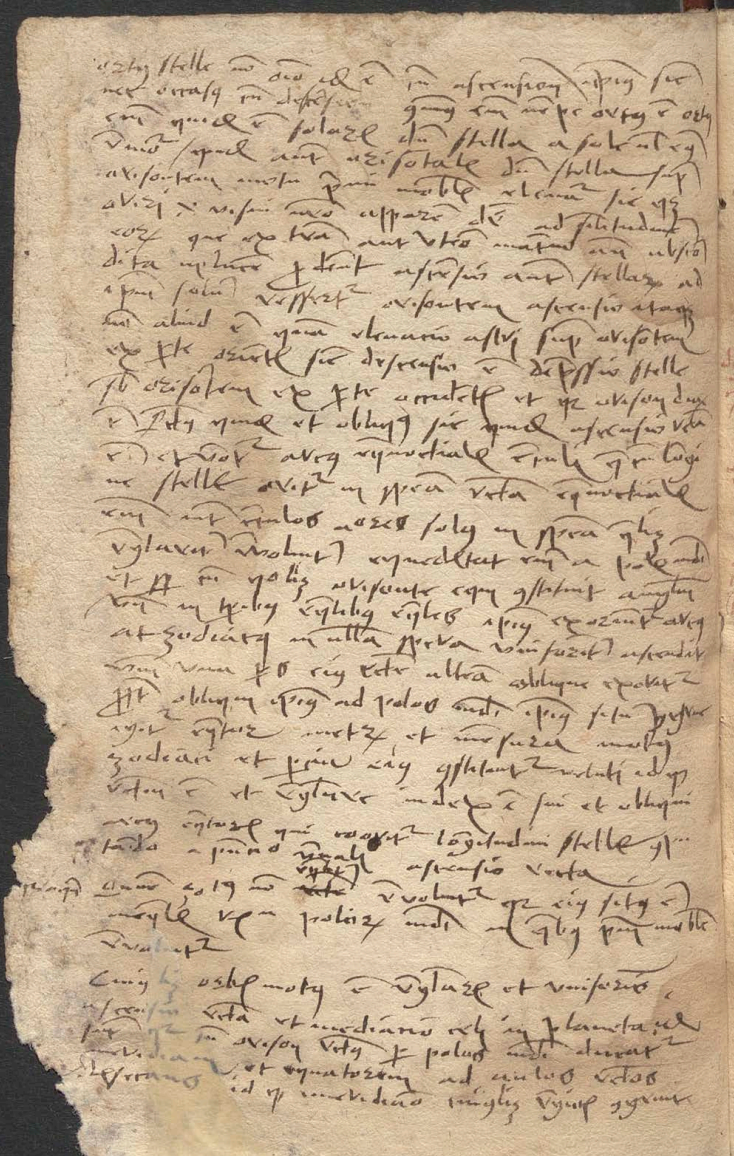

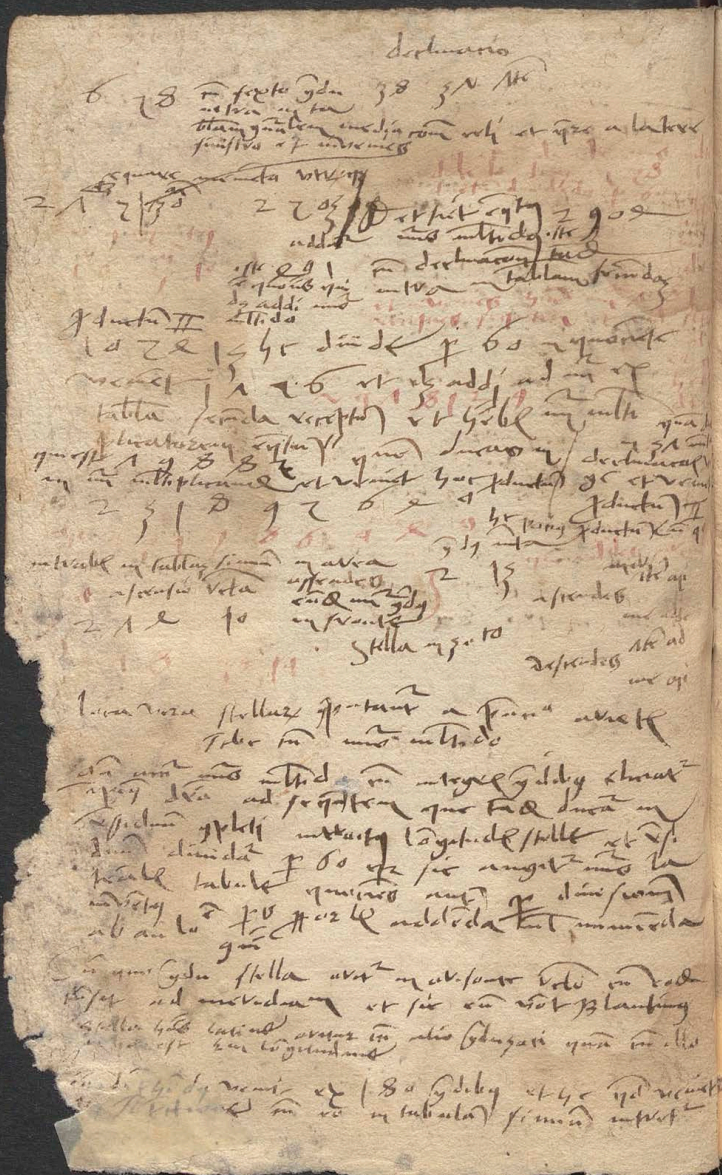

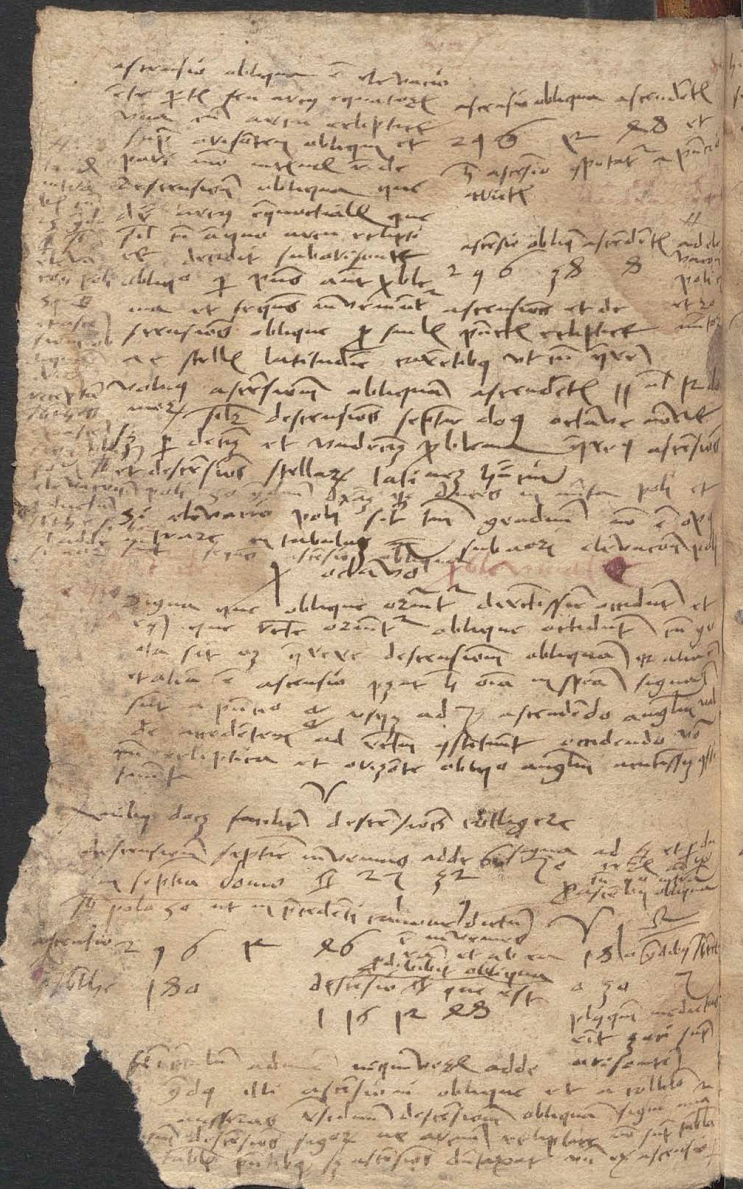

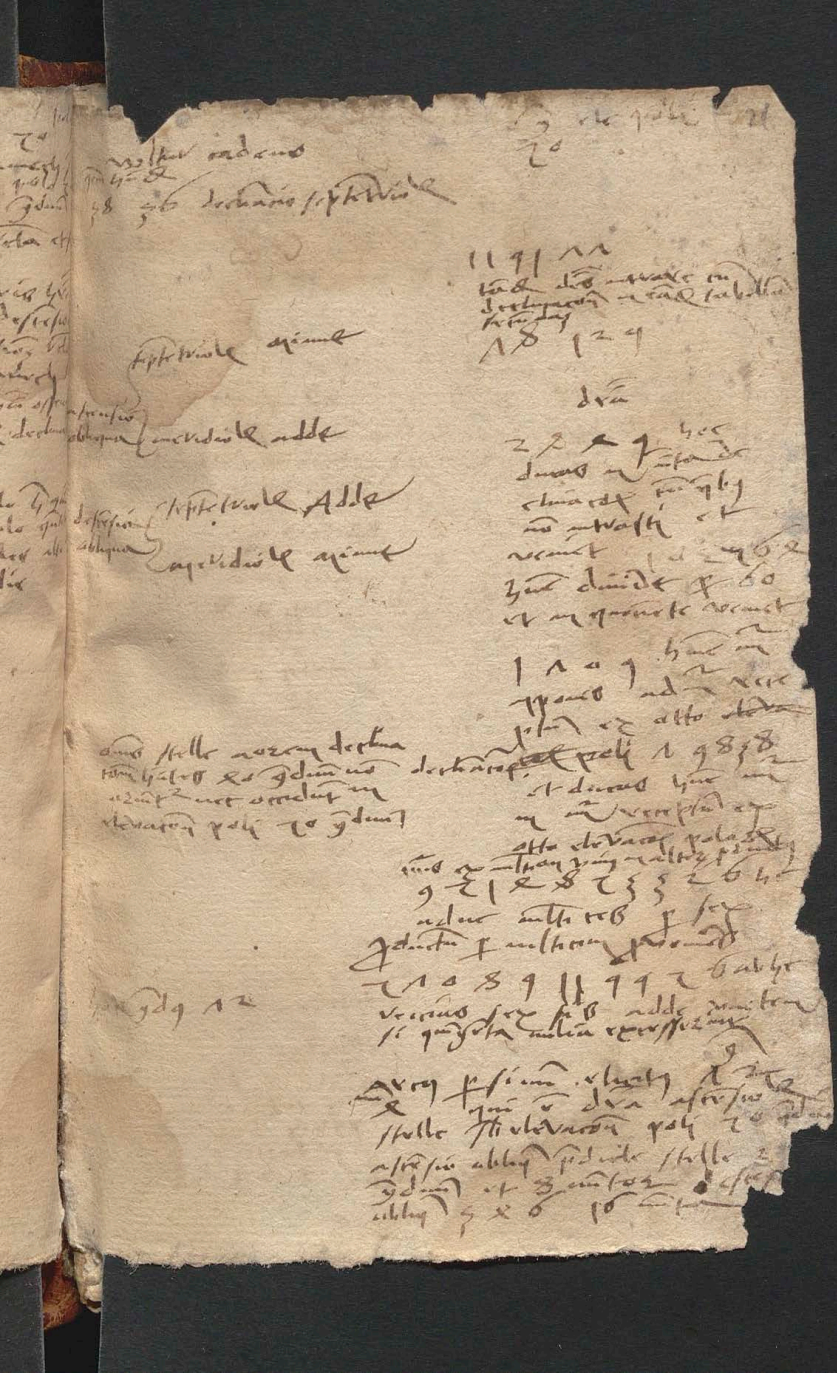

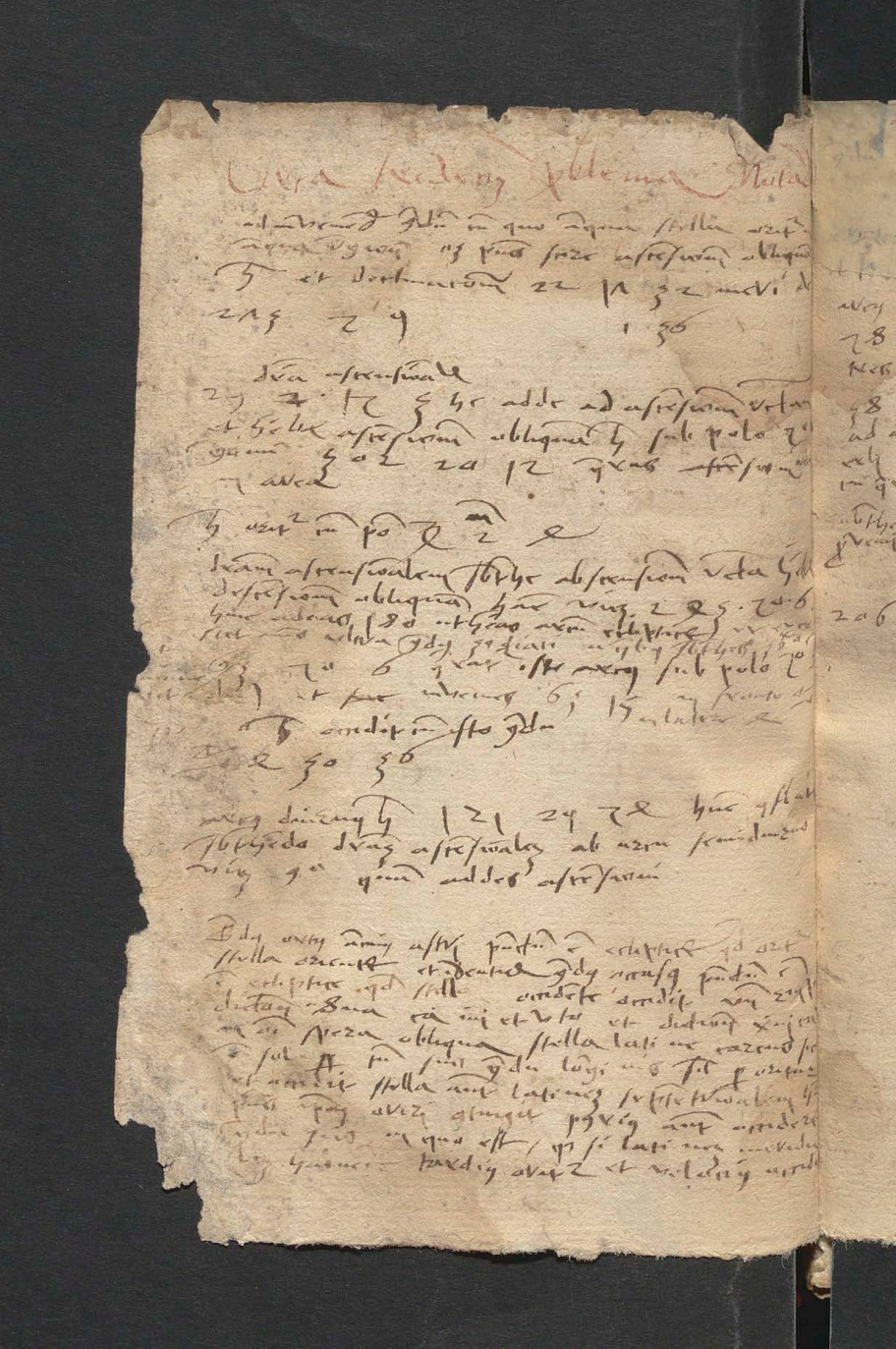

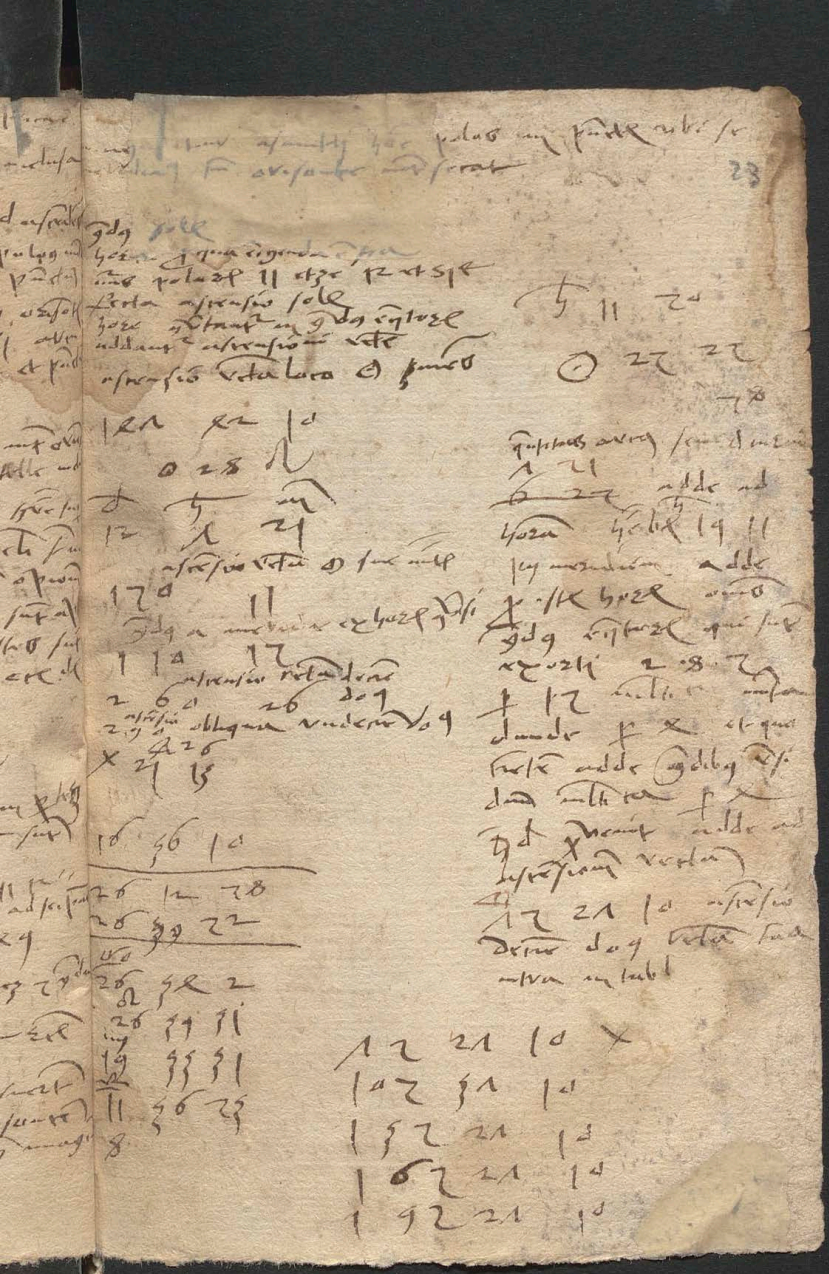

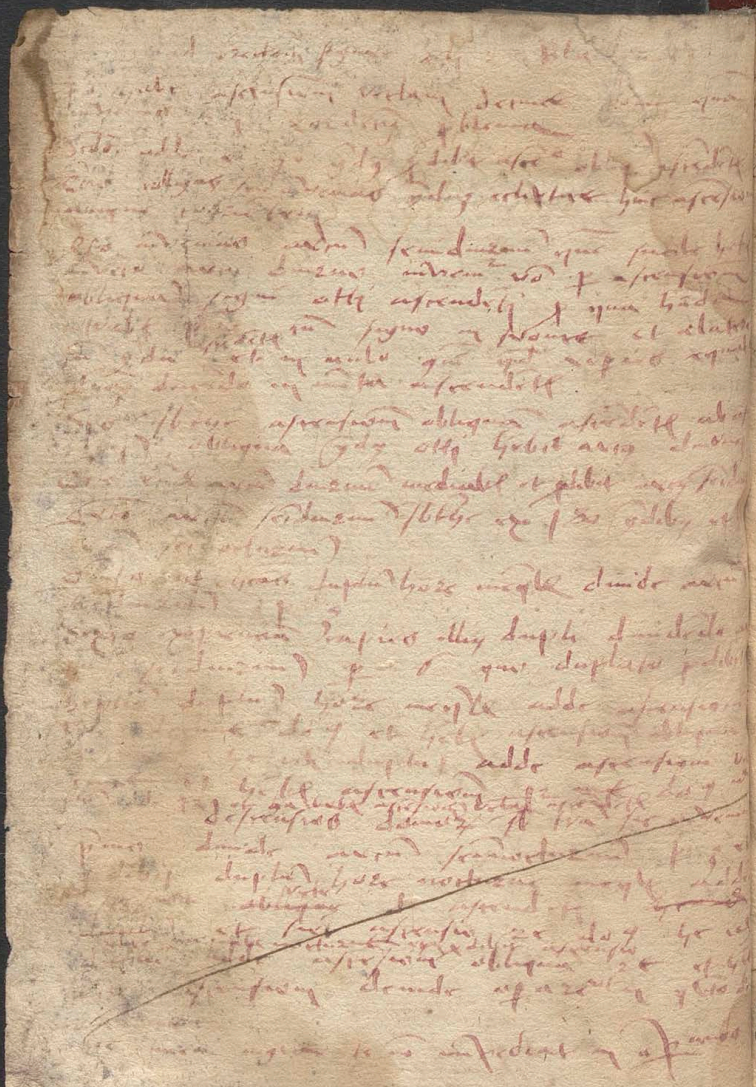

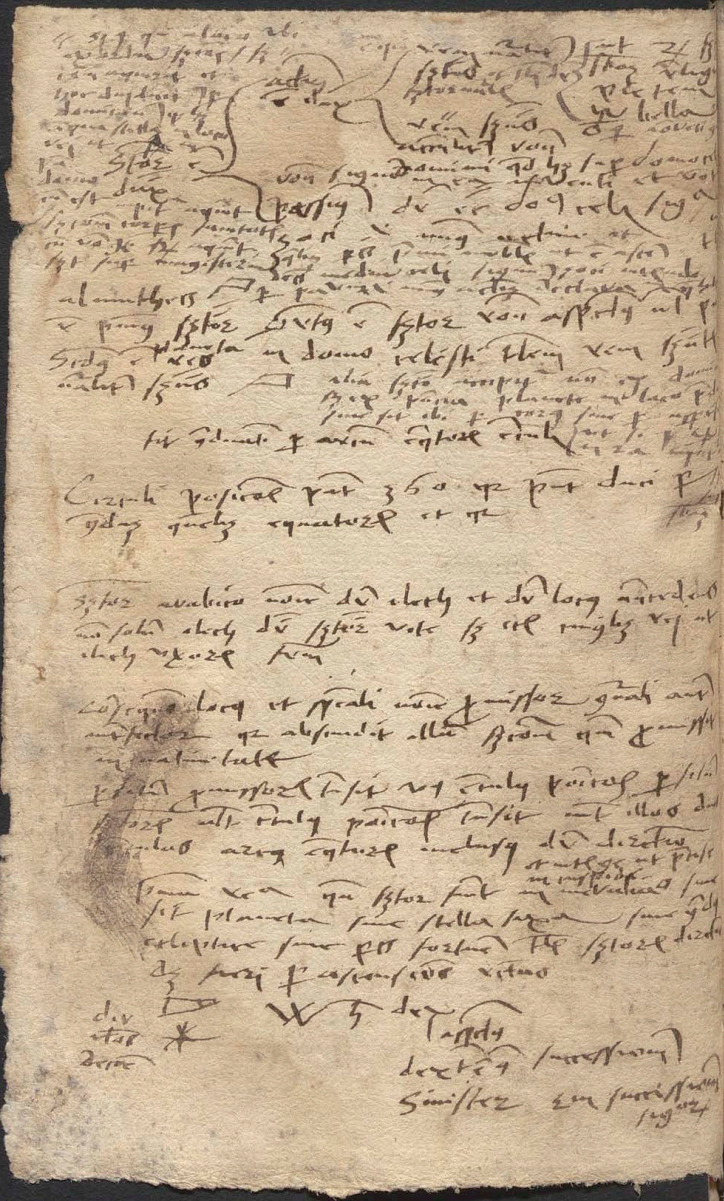

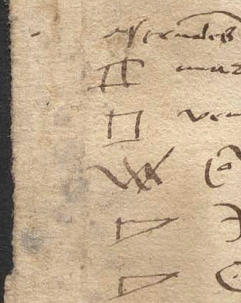

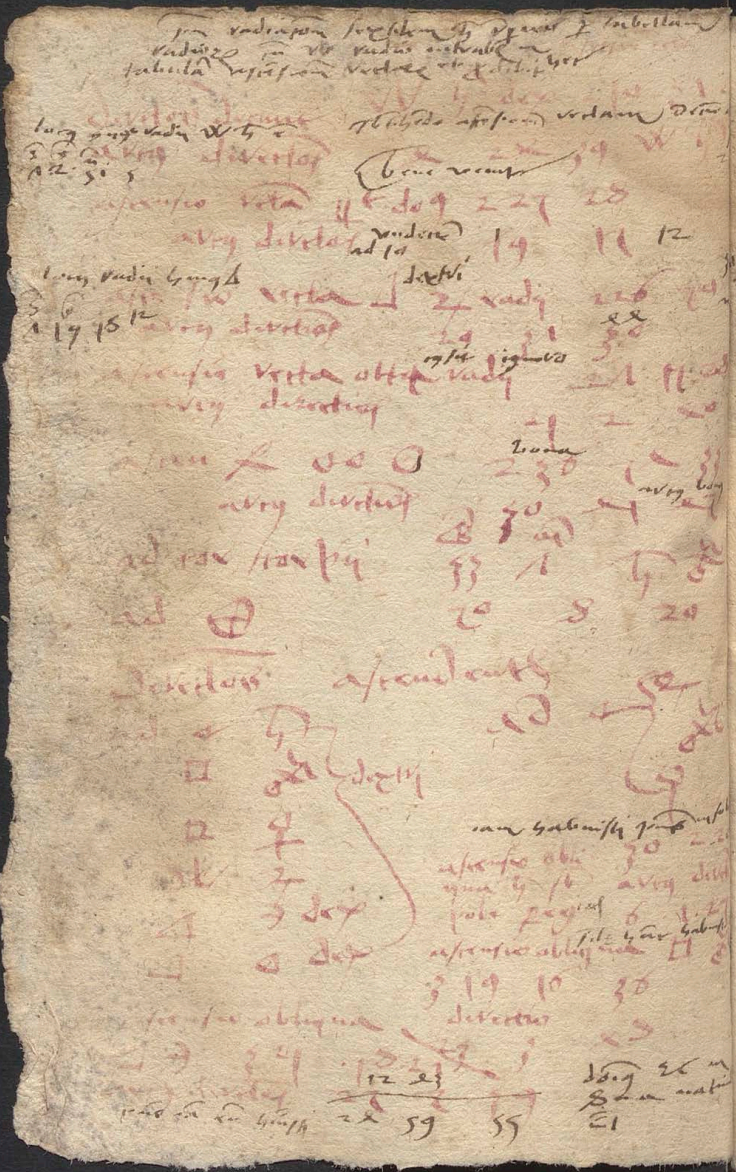

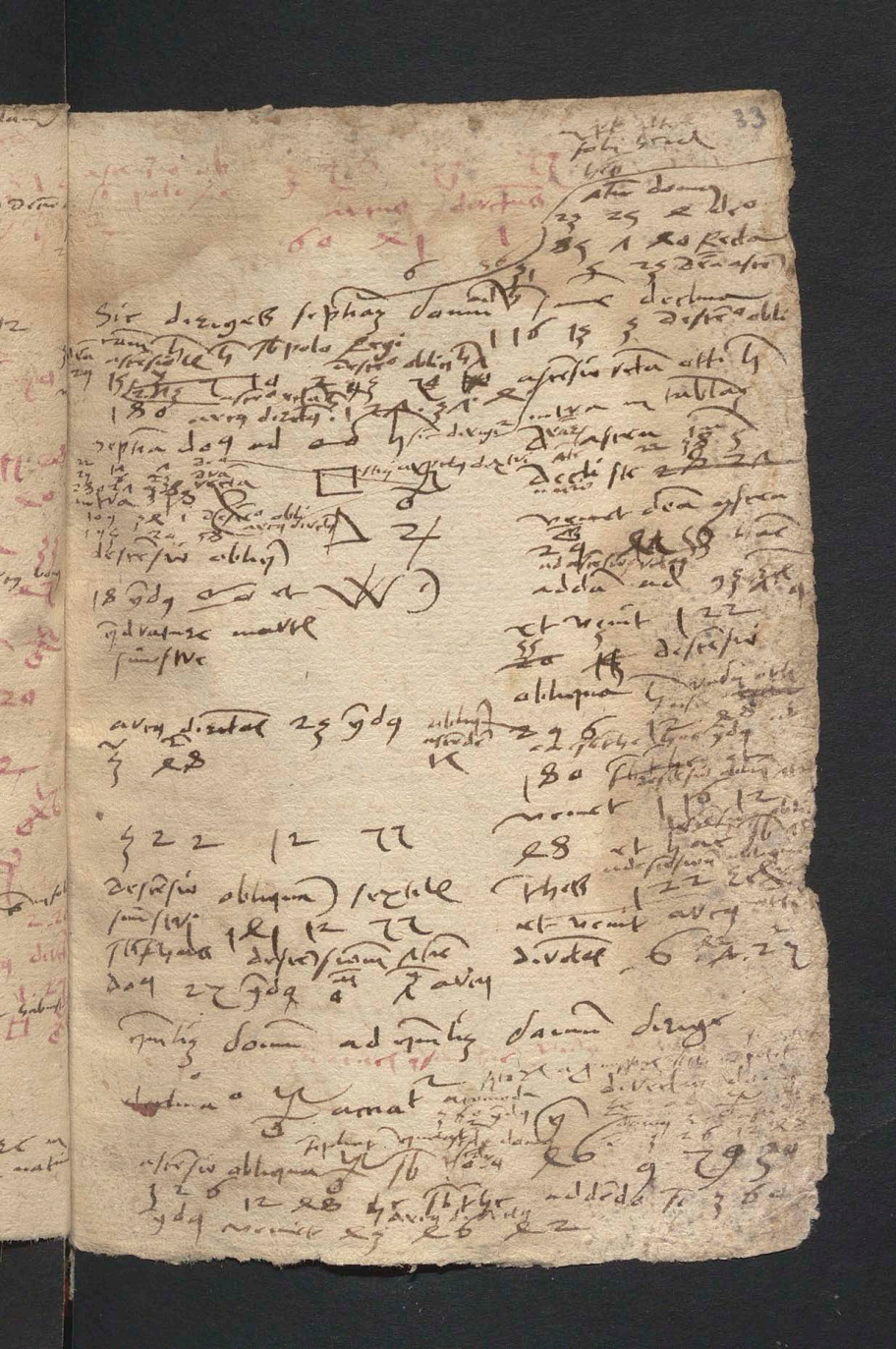

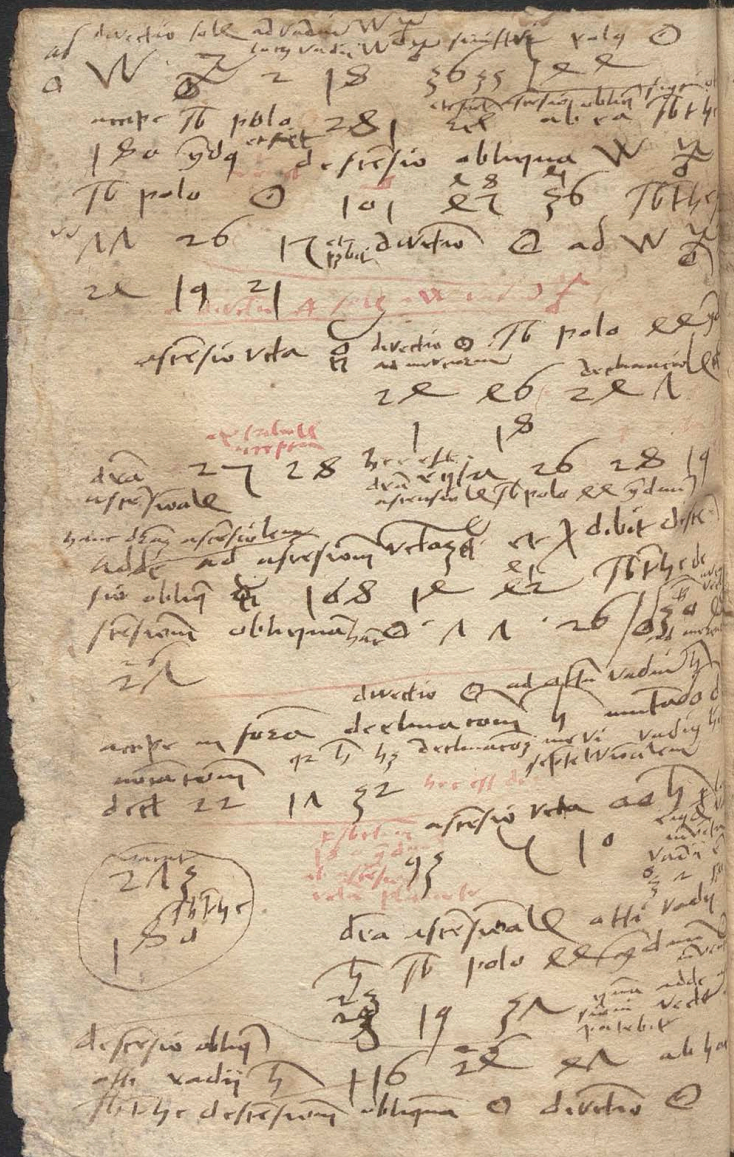

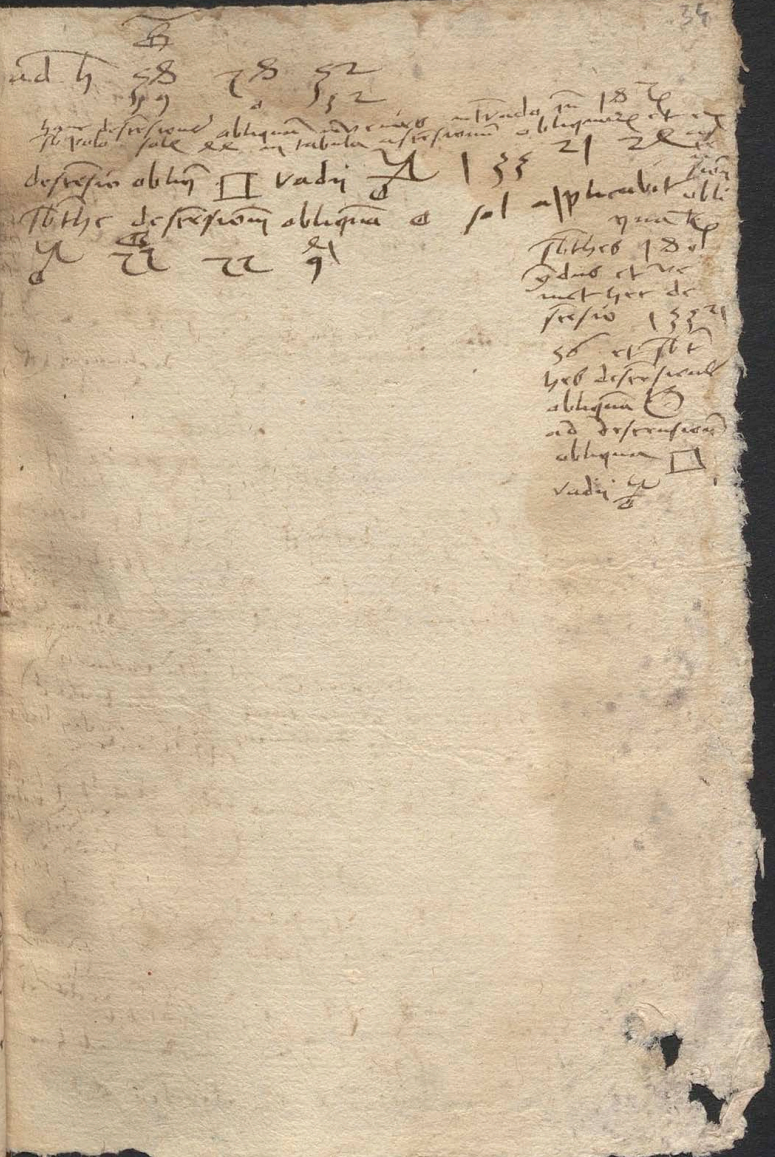

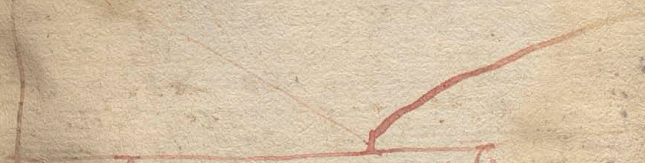

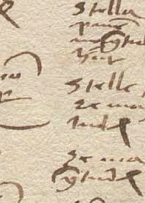

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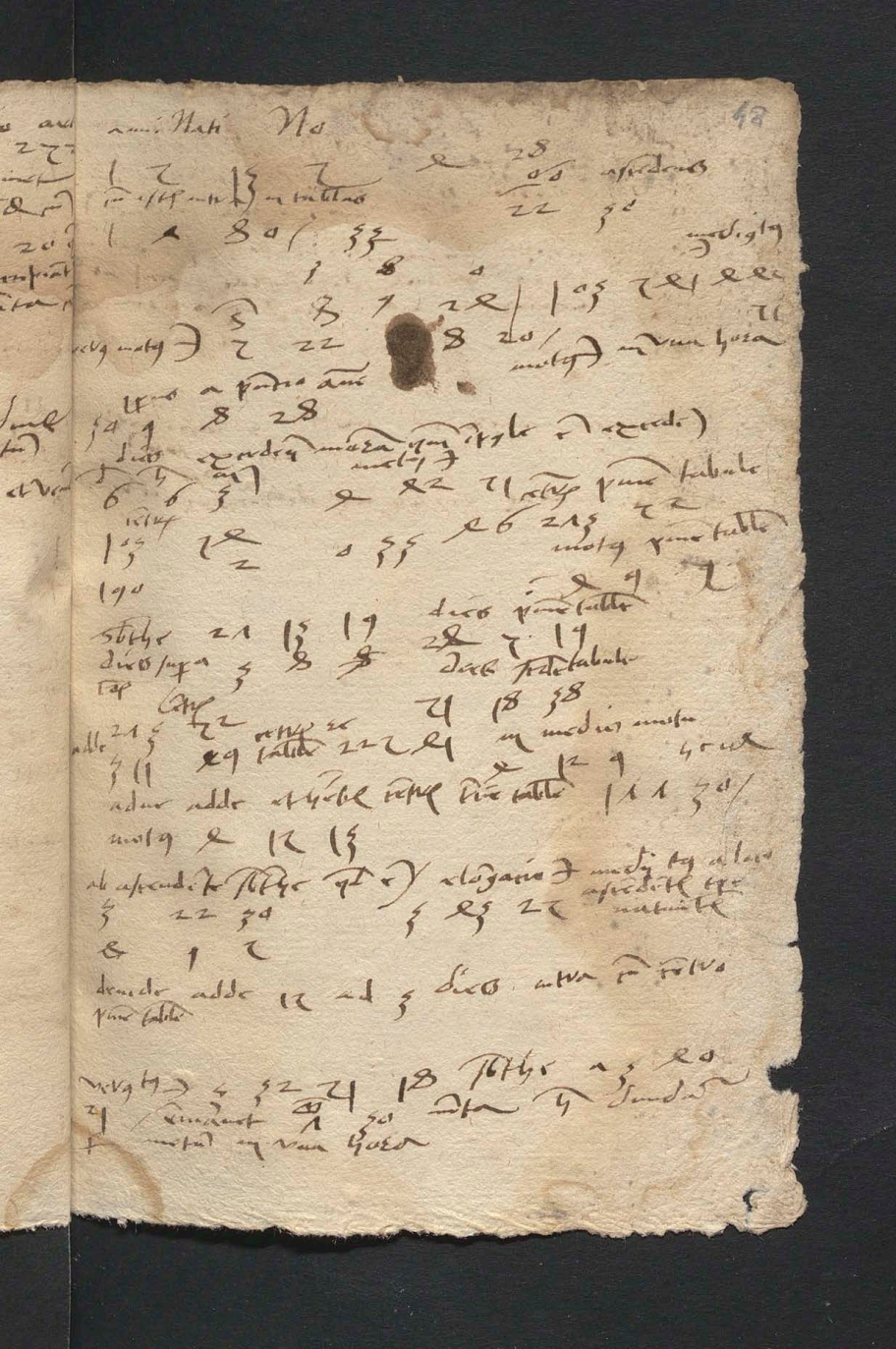
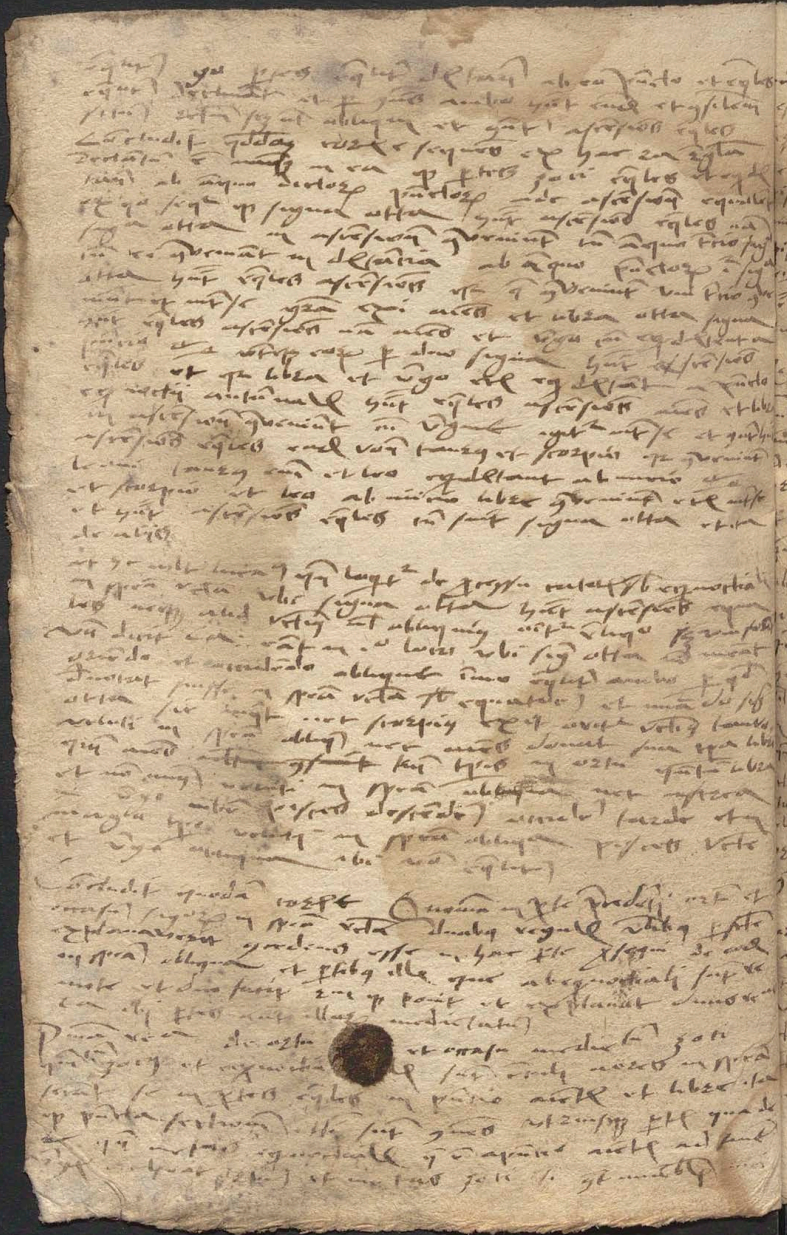
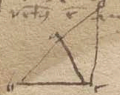
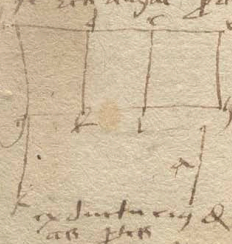
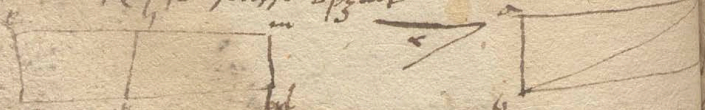
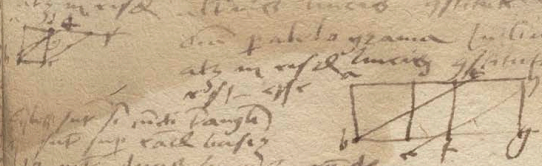


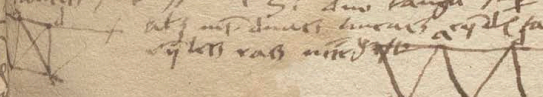


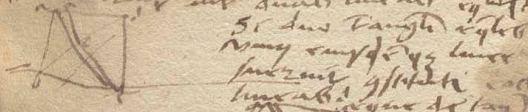


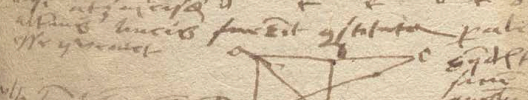


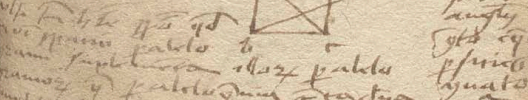


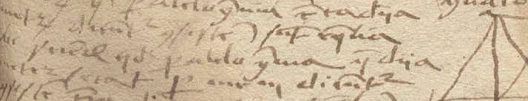


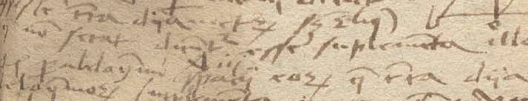


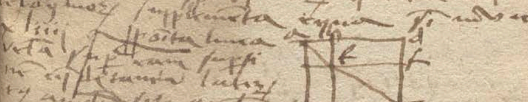


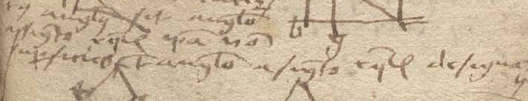


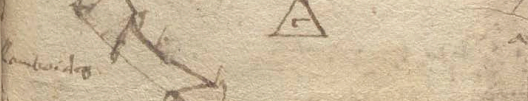


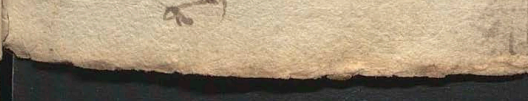


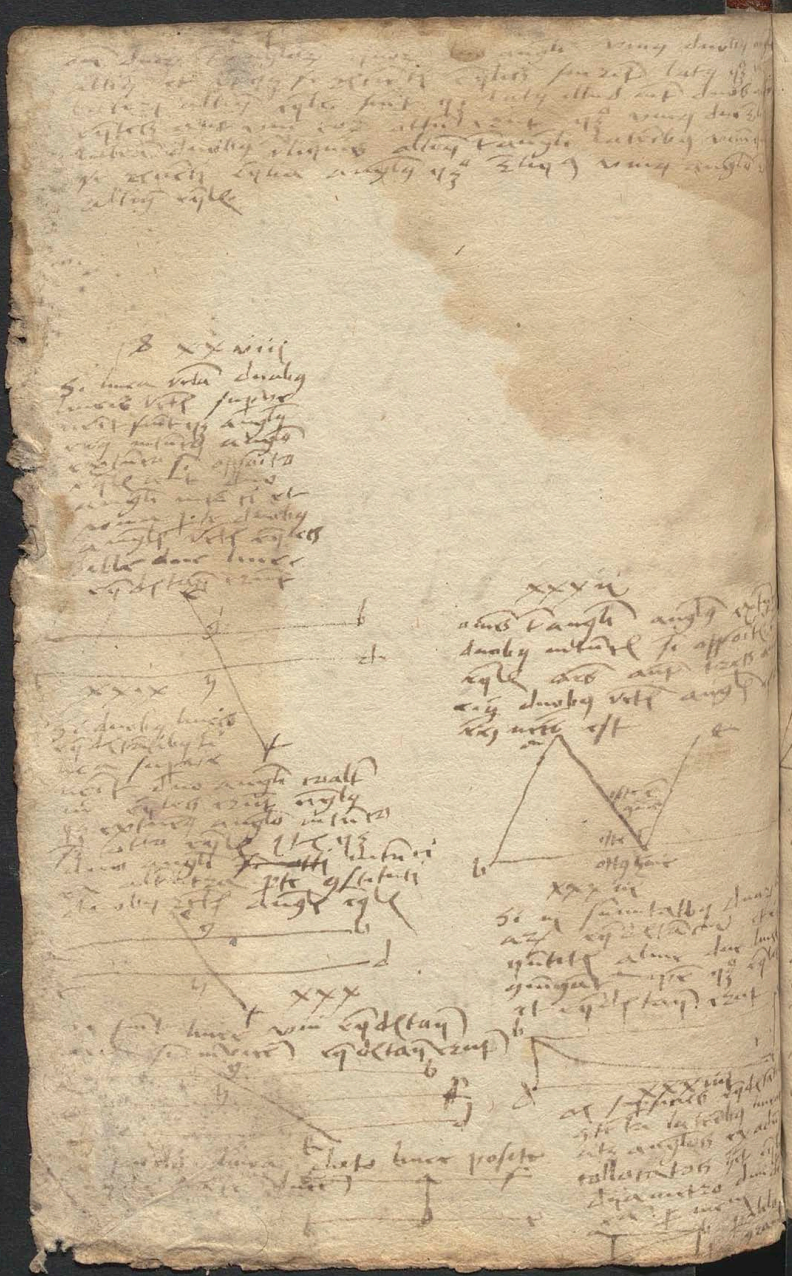


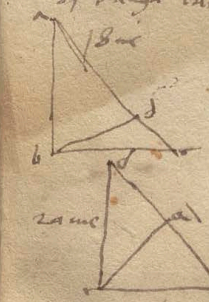


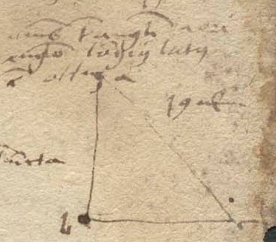


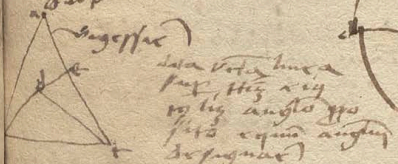


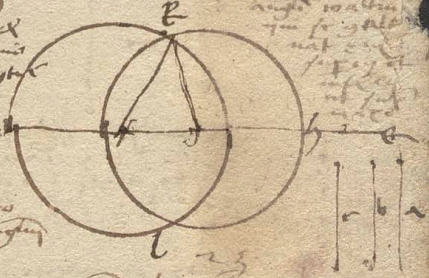


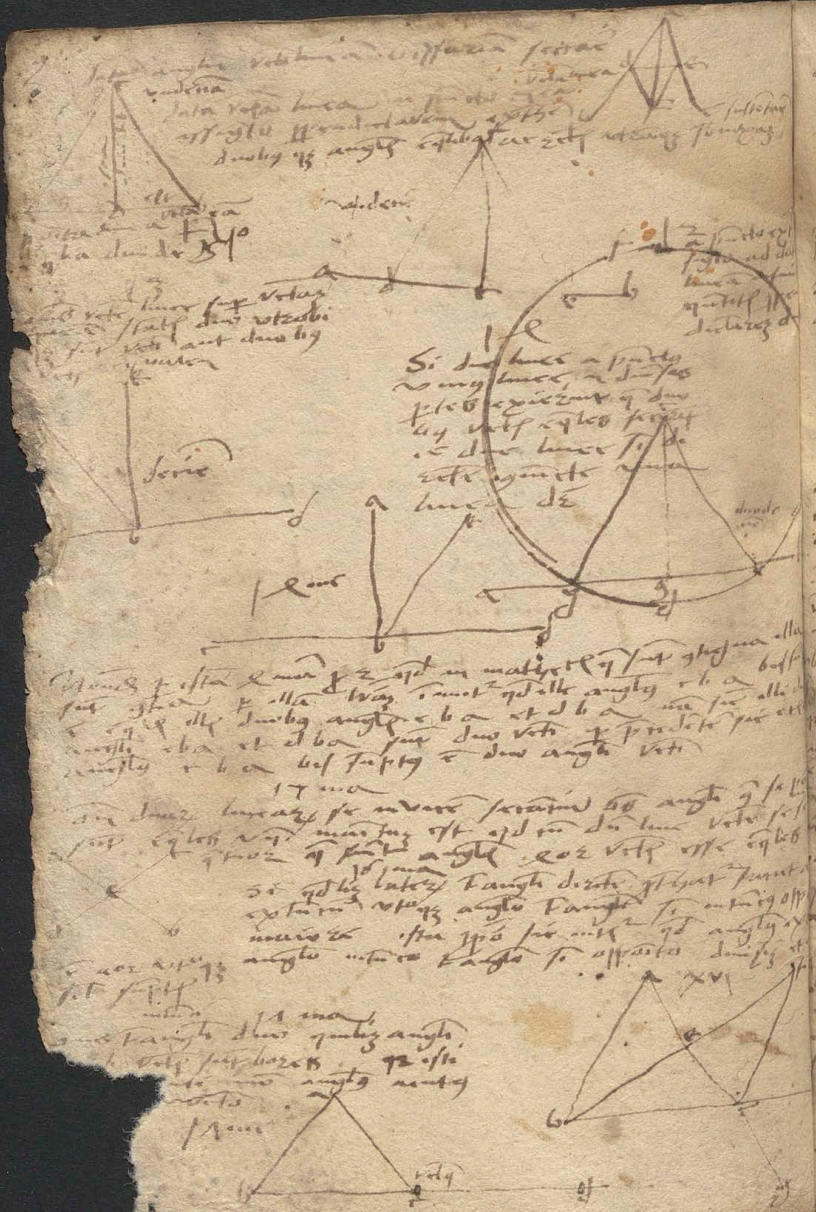


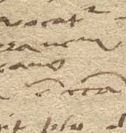


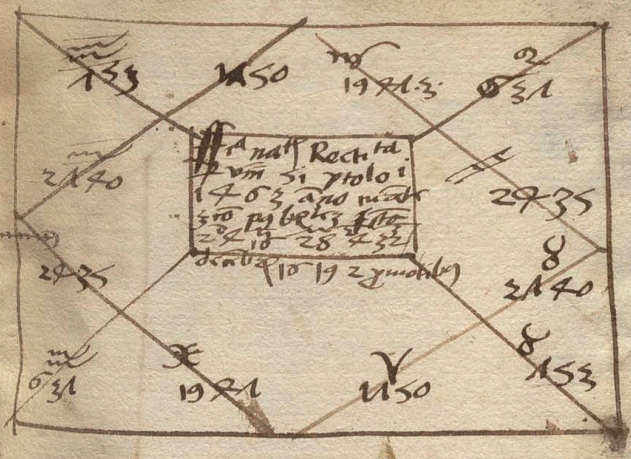




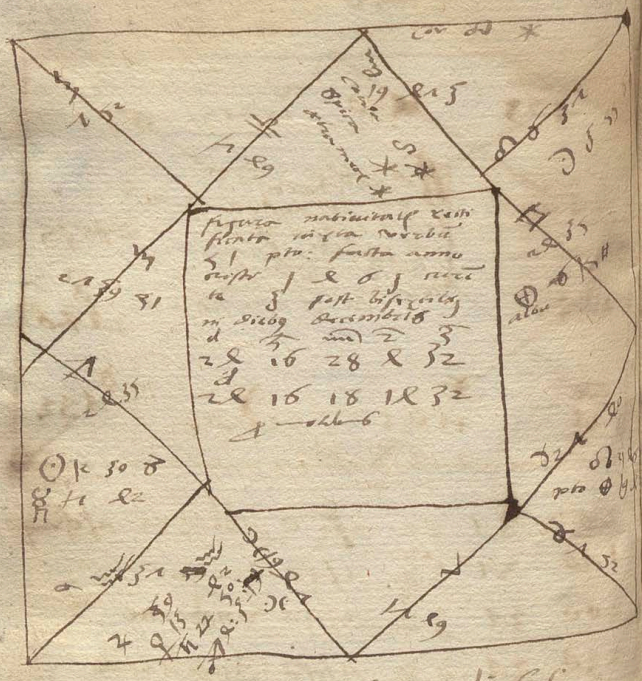








2 ♋ 0 ♌ 1 ♌ 2 asco obliqua ascus
1 ♊ 10 ♌ 1 ♌ 2 asco decime
2 ♋ 0 ♌ 1 ♌ 2 asco vndecime
2 ♋ 30 ♌ 1 ♌ 2 asco duodecime
2 ♋ 90 ♌ 1 ♌ 2 asco 2e
♌ 20 ♌ 1 ♌ 2 asc 2de
♌ 50 ♌ 1 ♌ 2 asco anostri



Praxis ☉

9 12 4 13 26 8 ♑
3 0 50 50 30 aux ☉
6 11 13 22 56 azm ☉
9 12 30 ✱30 13 ♌ ☉
22 54 21 dc° ☊
283 30 3 asc co° zod
61 1 5 dr tam a mido
40 31 19 polus
21 940 dra sph
304 45 43 asc° obliq
~~111 26 49 dec° obliq~~
68 150 Azm Gradus

Saturn ♄

11 3 11 23 28 ♑
8 12 49 9 30 aux
2 20 22 17 28 dr tm m
10 8 52 49 28 azm m
2 13 59 52 17 vm asp
10 15 15 11 42 xm azm
10 26 49 1 44 ♌ epic
10 22 49 41 32 ♌ long
1 11 23 29 lat
15 4 2 dc° mid
385 35 45 asc Rect
25 1 23 dr tam a m
21 13 21 pol
5 59 31 dra asc
331 35 22 asc° obliq

Lune ☽

3 6 58 23 ♑ 8 ♑
1 12 52 13 42 ♑ ☉
11 19 48 19 32 ♐ ♄
3 3 55 5 10 ♌ ☽
1 11 21 3 39 ♑ ♃
21 9 59 lat mot
26 41 20 dc° ☊
98 23 13 asc Rect
16 13 55 dr tam a mido
42 1 26 polus
21 3 30 dra asc
121 26 49 dec° obliq

Saturn

10 19 53 1 17 ♑ 8 ♑
5 23 22 1 30 aux
4 26 50 39 45 ♑ ♃ m
6 22 11 6 11 azm m
4 23 21 43 43 ♌ ☽ ♄
10 23 38 2 13 ♌ ☽ ♄ dom a
10 10 30 11 15 ♌ ☽ ♄ vm
10 10 49 15 2 ♌ ☽ ♄ long
0 31 51 2 lat mot
18 1 53 dc° mid
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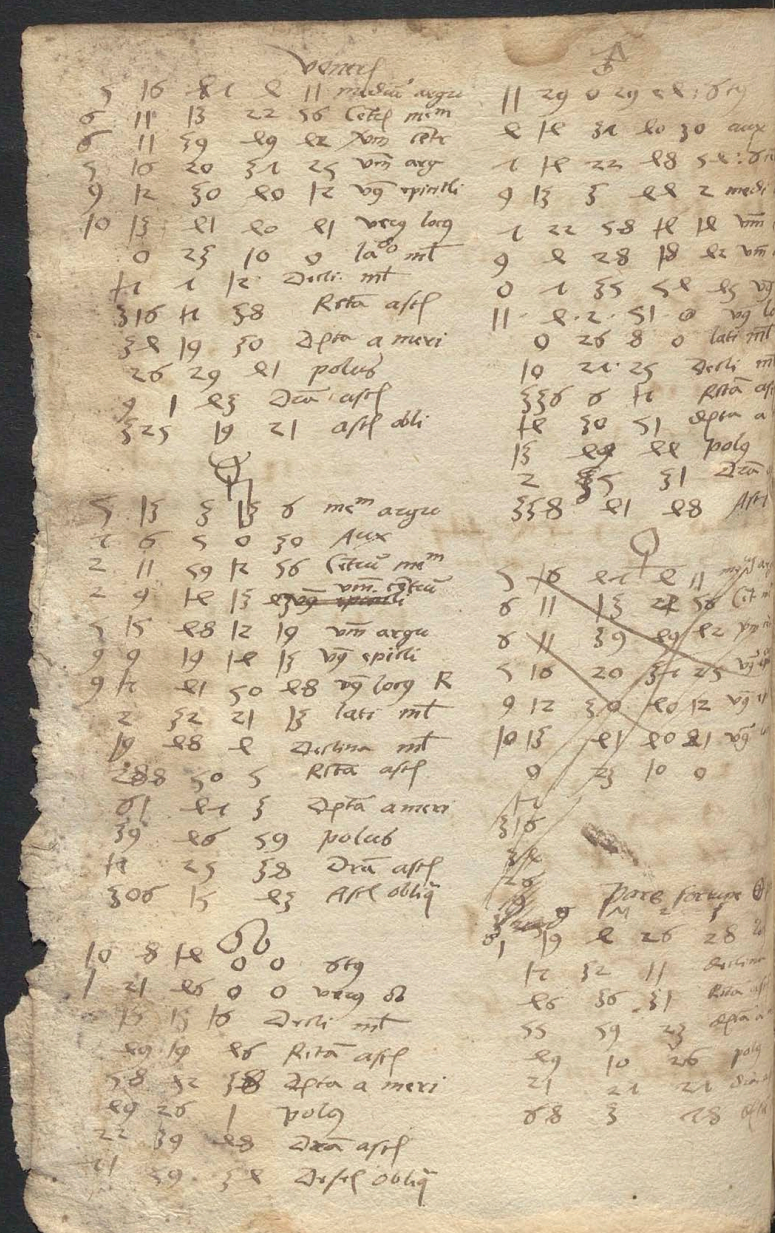
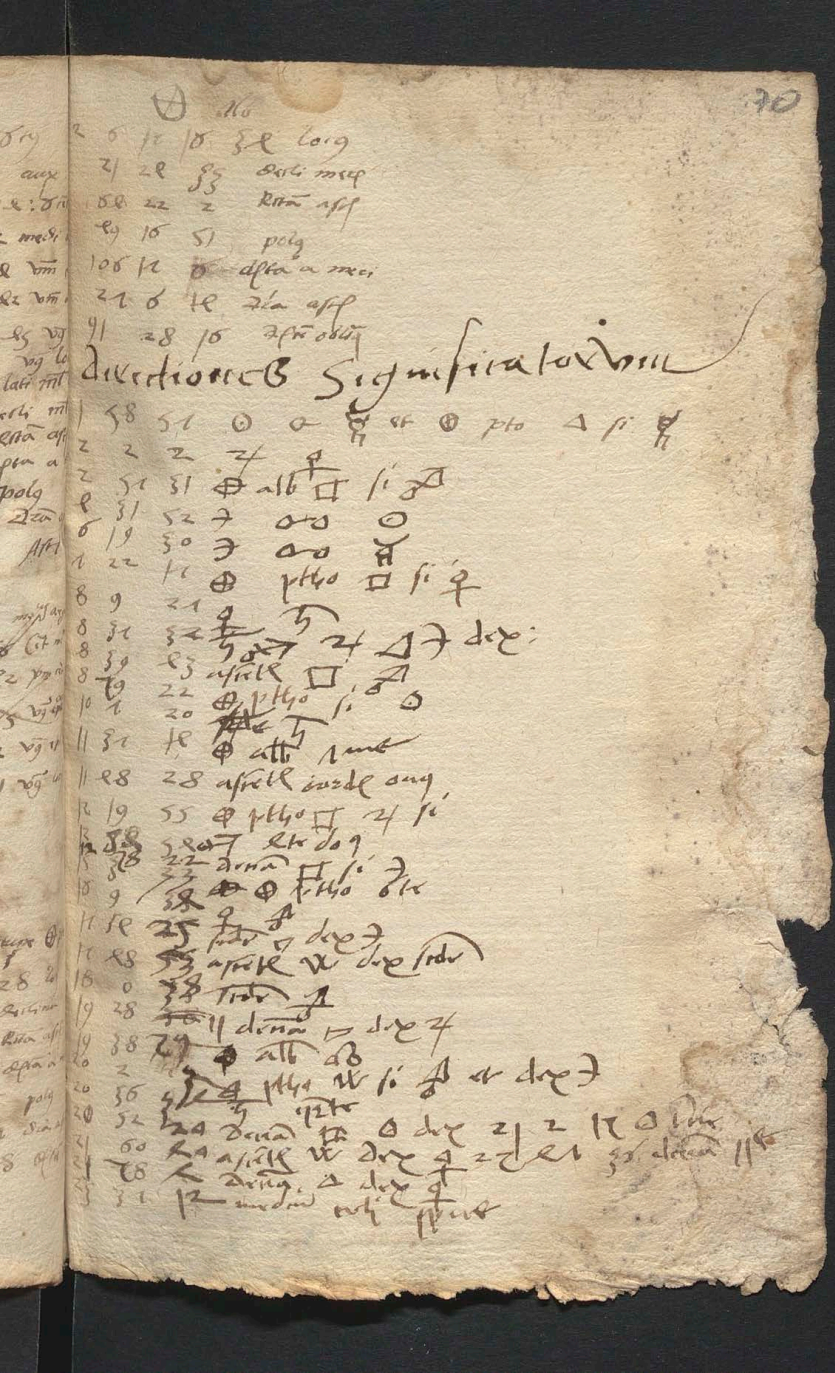
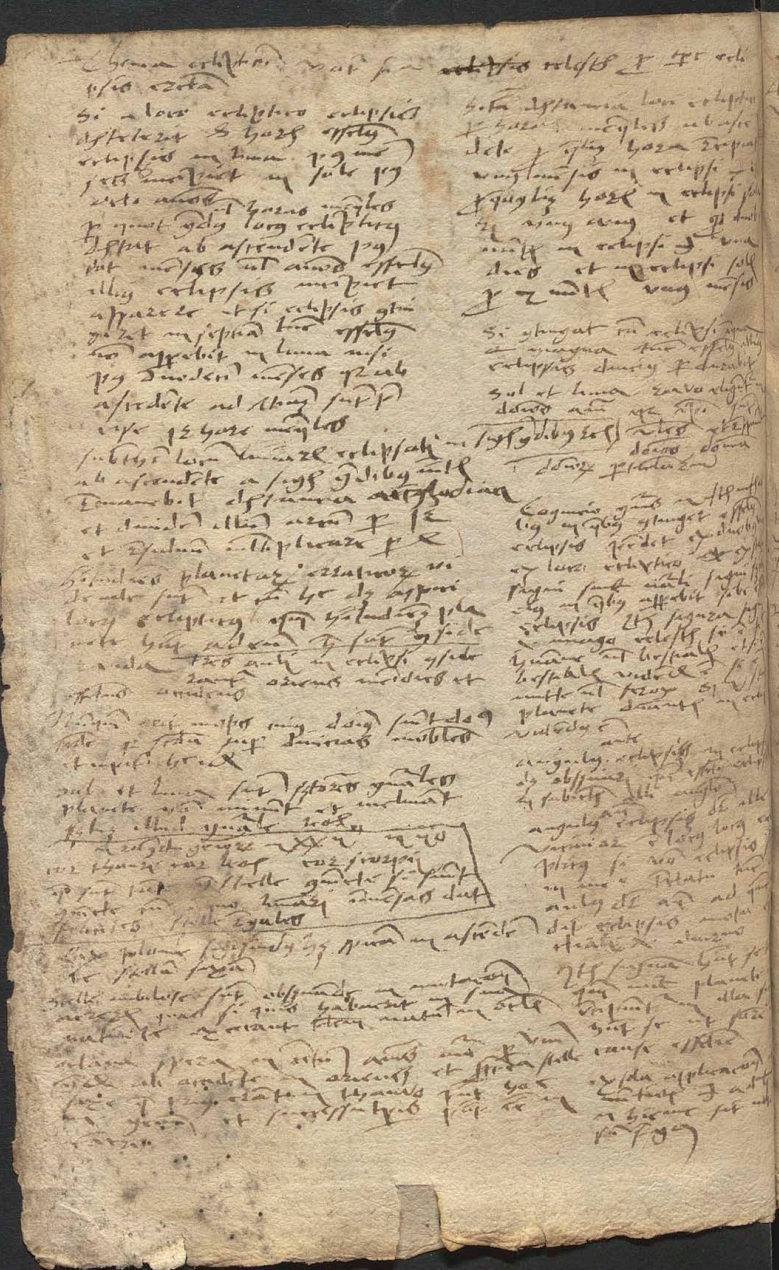
28 10 55 polus 28 10 55
10 9 2 dra asc
323 21 21 asc° obliq

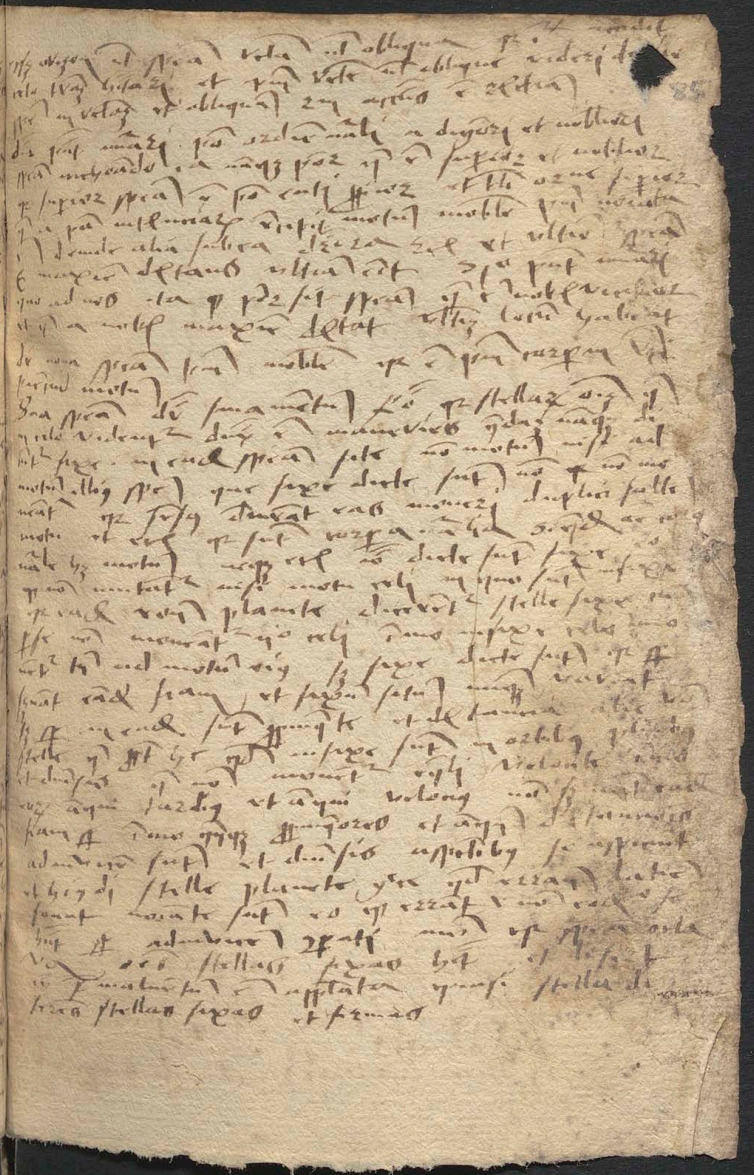


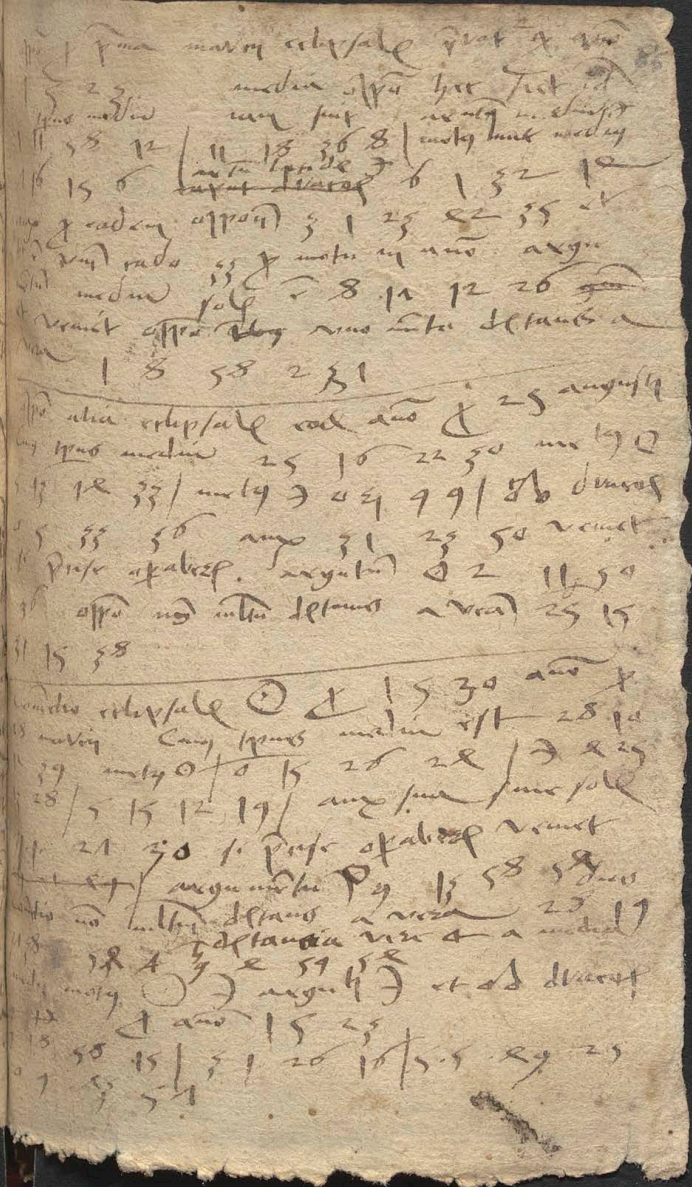
directiones Significatorum

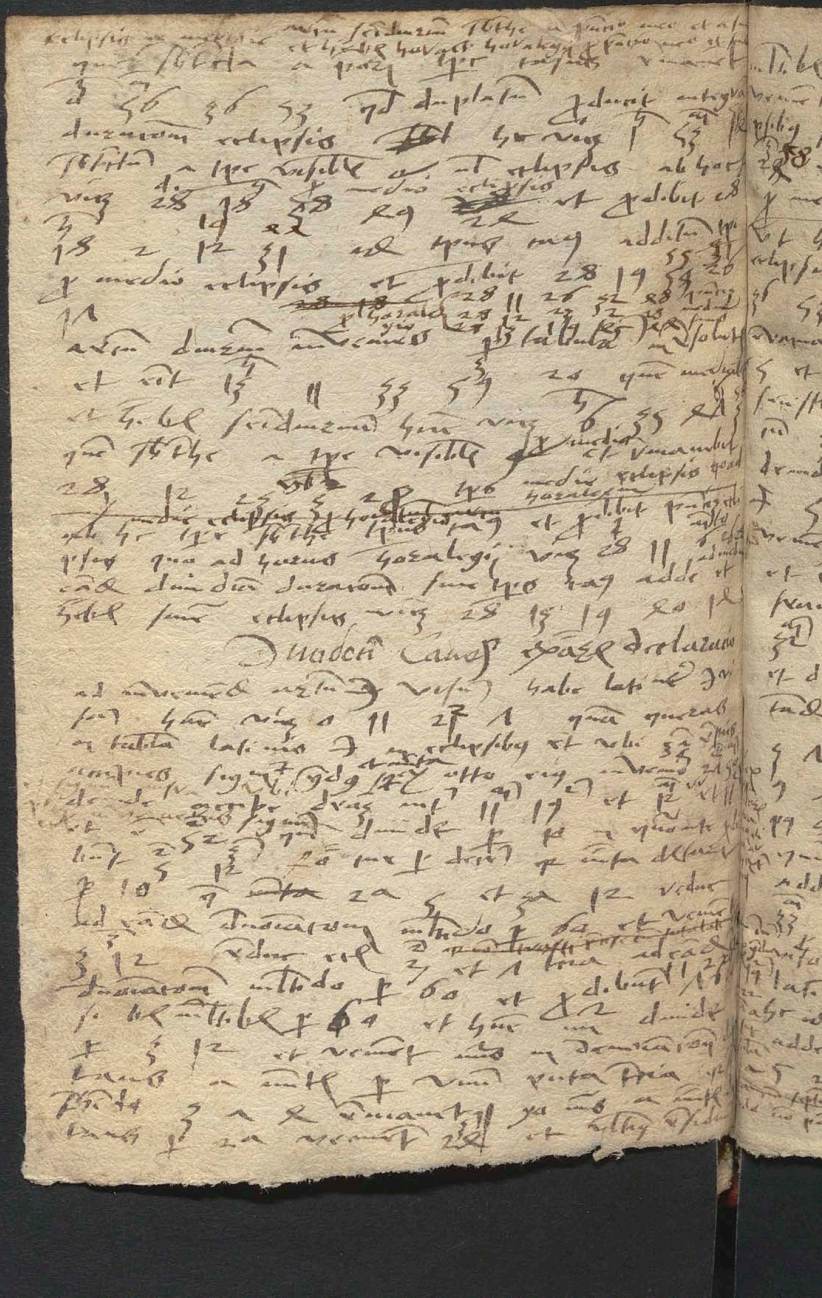


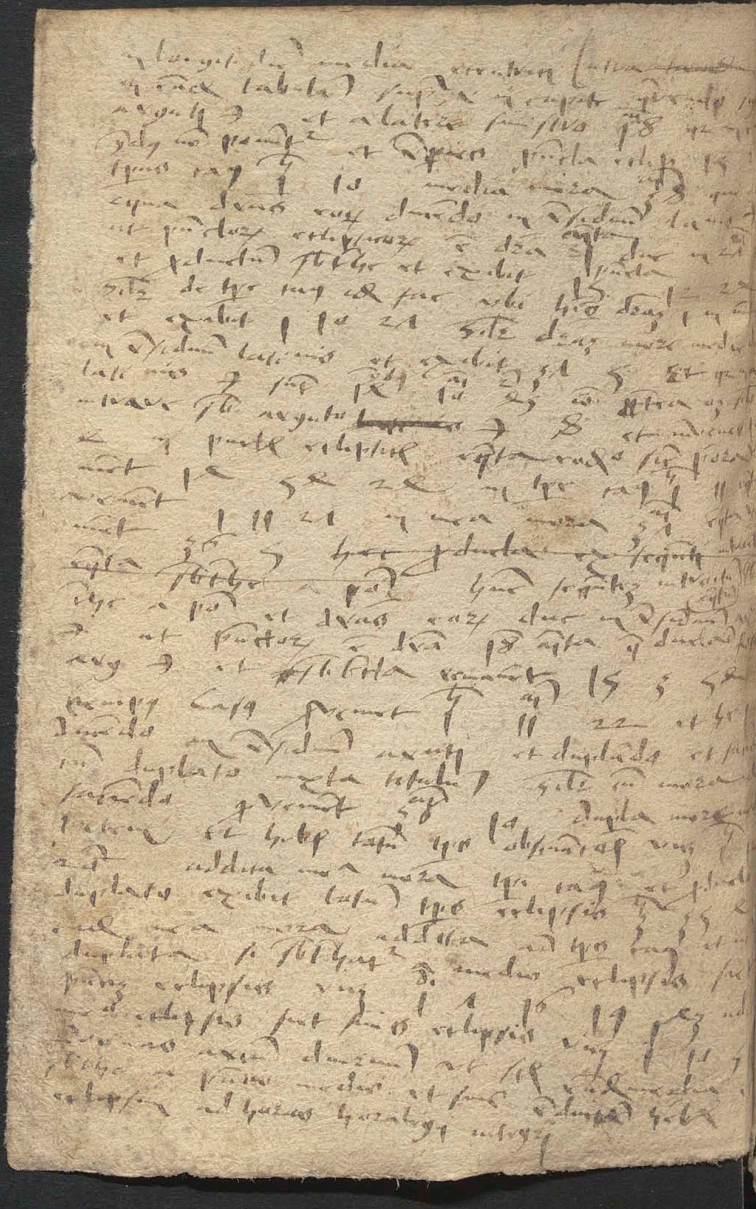
59	39	25	☉	☽	☍	☌
60	83	28	☽	☿	☌	☍
61	58	29	♂	♃	☍	☌
62	35	30	☉	♃	☍	☌
63	29	30	☉	☽	☍	☌
64	29	2	☽	☿	☌	☍
65	29	9	☉	☿	☍	☌
66	27	12	♀	♂	☍	☌
67	10	23	☉	♂	☍	☌
68	24	28	☿	♃	☍	☌
69	27	28	♂	☽	☍	☌
70	35	15	☽	☉	☍	☌
71	53	30	♂	♀	☍	☌
72	82	33	☽	♃	☍	☌
73	89	59	☽	☽	☍	☌
74	11	25	☽	☉	☍	☌
75	38	31	☽	☉	☍	☌
76	39	17	☉	♃	☍	☌
77	39	30	♀	☽	☍	☌
78	12	33	☽	♃	☍	☌
79	11	23	♂	♀	☍	☌
80	18	8	☉	☽	☍	☌
81	39	16	☽	♃	☍	☌
82	29	59	☿	♃	☍	☌
83	59	3	♃	☉	☍	☌
84	3	33	☉	☽	☍	☌
85	35	20	☽	♃	☍	☌
86	38	37	☉	☿	☍	☌
87	35	18	☿	☽	☍	☌
88	3	21	☽	☿	☍	☌
89	12	03	♃	☽	☍	☌
90	1	27	☉	☽	☍	☌

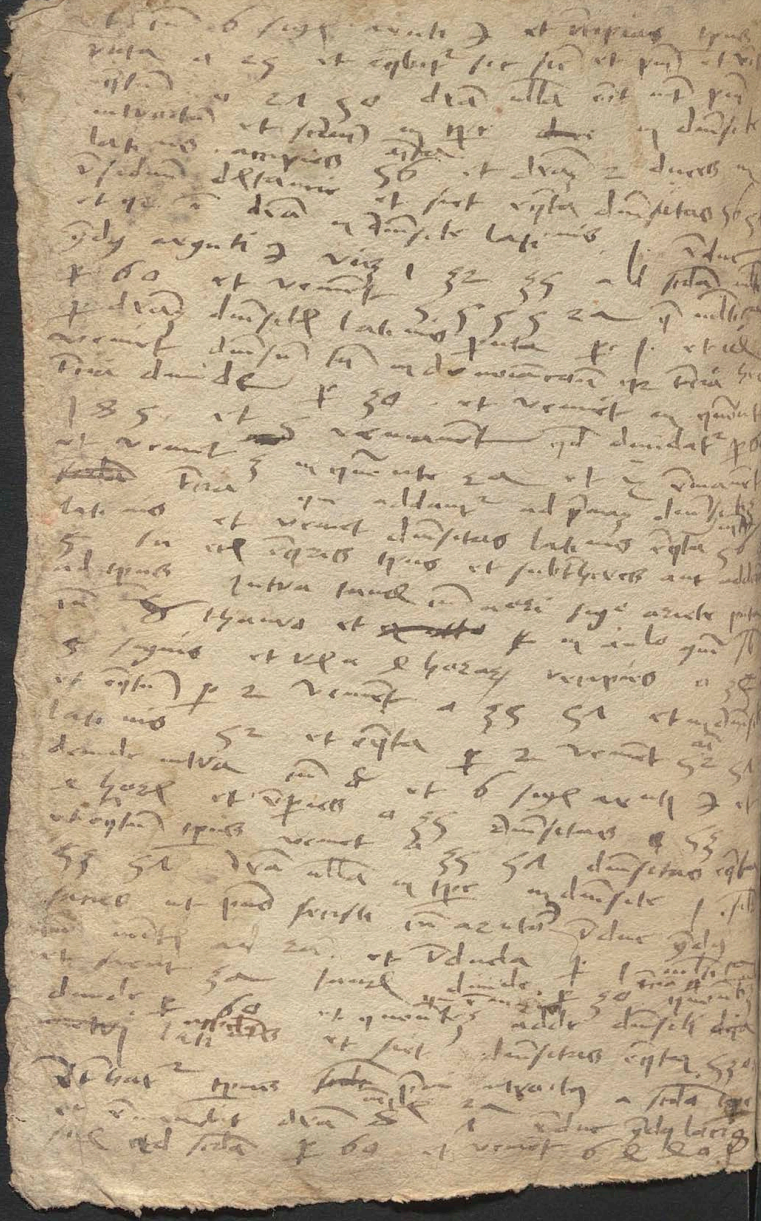


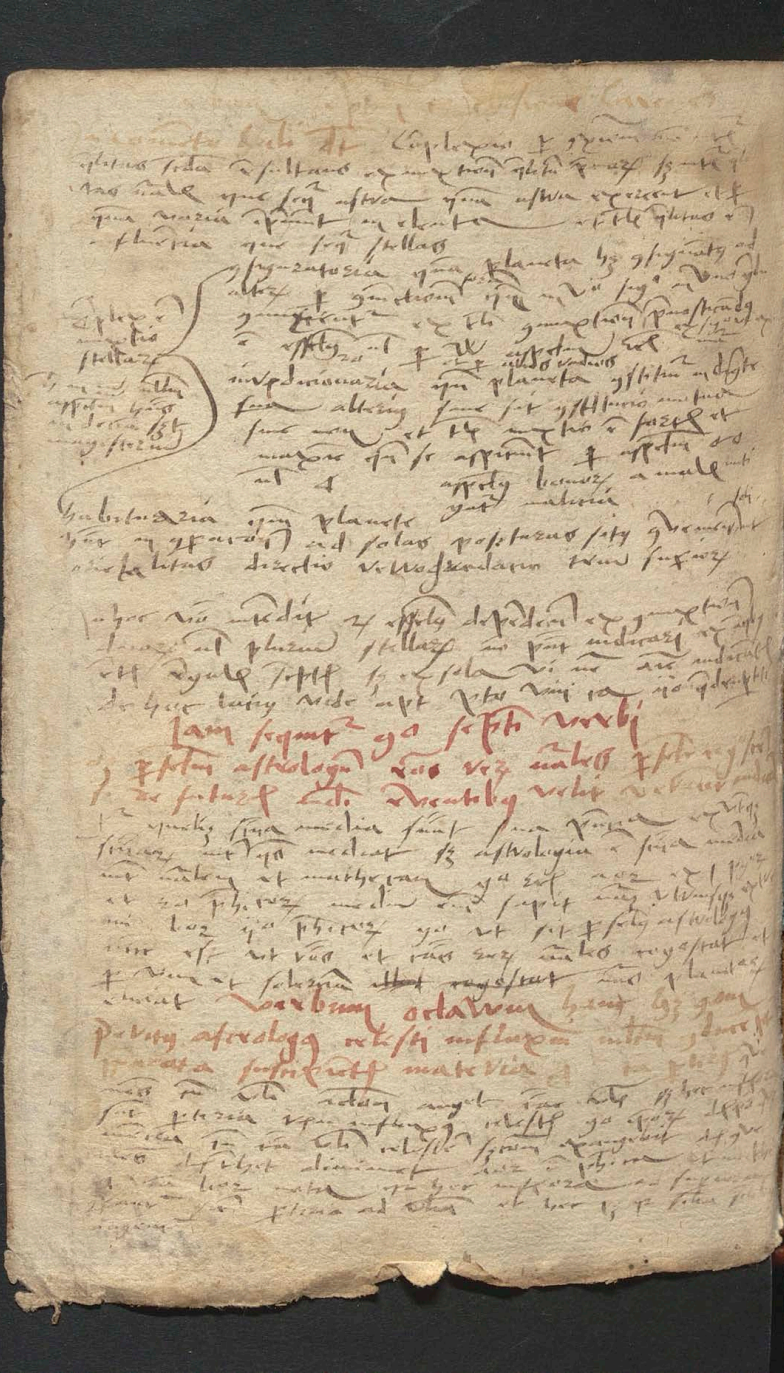












In directionu Tablas exempla

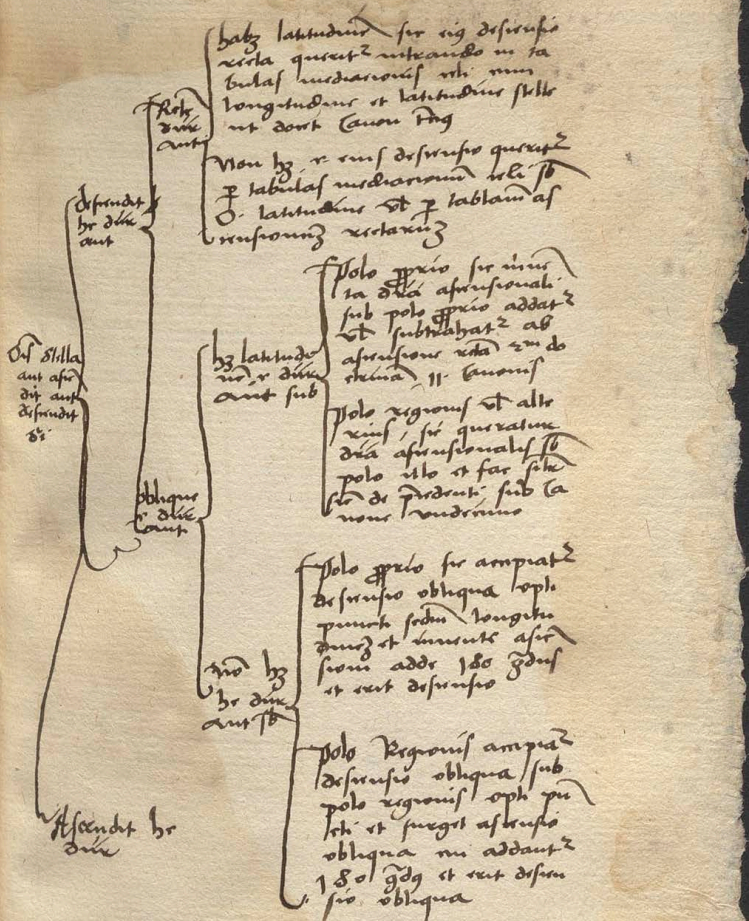
Motus planetarum capitis p natiuitate

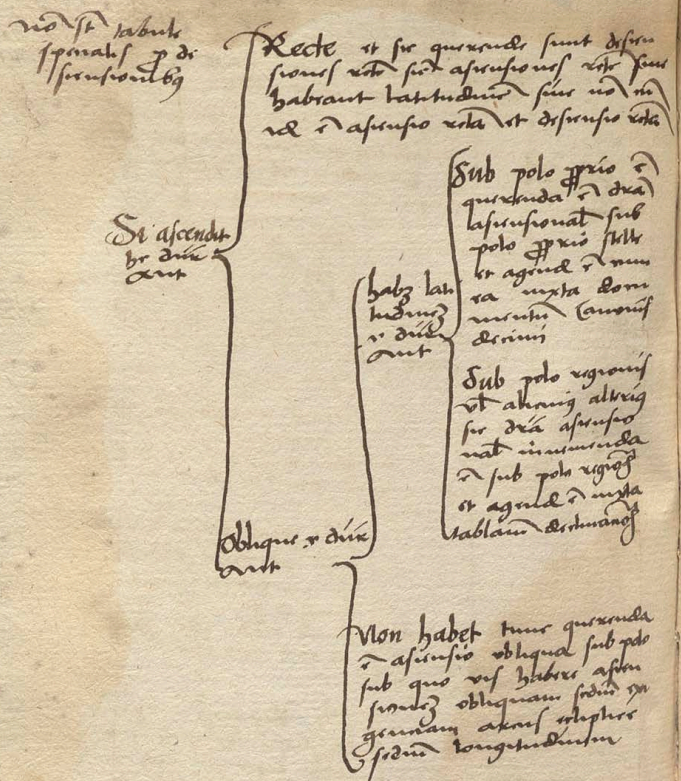
Kmilla anno longitudo sine loco latitudo

	☌	M	S	☌	M	
♄	9	♒	♐	1	♓	S
♃	1	♑	♑	0	♒	S
♂	♌	♓	♑	0	♌	M
☿	♎	♐	♏	1	♍	M
♀	♋	♌	♍	1	♓	M
☉	♓	0	♍			
☽	9	♉	♎	0	♐	S
☊	♓	♑	♐			
☋	♍	♑	♓			
fixa mahaf	♍	♐	♍	♒	0	M
Orion	♌	♐	♓	♑	0	S

Asrussen rede, O

3 1ℓ 30


Ascendat hr dñe
Descendat hr dñe aut
Rect dñe aut
Obliquus dñe aut
Ors stilla aut asc dñi aut descendat hr
hz latitudinem hr dñe aut sub
hz hr dñe aut sb


Recte
Sub polo
Habz
Sub polo
Obliqui
Non habet

Circa 1 ꝓblema

Declinacio stelle fixe vel planete a distancia stelle ab equinoctiali recto versus septentrionem vel meridiem vel sol mutatus a principio arietis vel libre vltra 23 declinacionis quia 23 dicuntur et equinoctialis in principio arietis et libre se intersecant, in aliis autem locis sol habet declinacionem variam in principio mutationis et 23 maximam, est autem maxima declinacio ab equinoctiali recto 23 gr 41 vel 30 M ut inuenimus a ꝓblema

Latitudo stelle a vel planete a linea ecliptica recta versus polos ecliptice quidem, dicuntur alia linea circuli latitudinis zodiacum ducens per medium latitudinis

Longitudo vel stelle vel planete a distancia stelle vel planete a principio arietis vel mutatus sol a principio arietis vel longitudo a distancia a principio arietis quorum secundum vel 360 gradus

Nota q̄ in tabulis, non sunt expresse descriptiones arcuū scripture p̄ solum aspectum, q̄ quidē facilē possunt inuestigari descriptiones regulares arcuū nūq̄ aspectuū nisi reperiuntur addendo 180 gradus, hoc ē sequendo, quousq̄ arcus in scriptura a ipso situs, nūq̄ quidem necessario erit in meridiano aspectū, ullius signi arcus semidiurnus quousq̄ arcus aspectus obtinet situm declinationis, qua habita quo ab aspectuso uel illius puncti nūq̄ aspectuū quesiuimus, vsq̄ ad descendendo ullius nūq̄ descensionem descendebamus, sunt 180 gradus hoc ē semicirculi, & de numerato puncto descensionis detrahas semicirculū gradus relinquunt descensionis puncti scripti a recto postulati

Nota q̄ cum dicit scd̄m textus et versio nūq̄ textus sui ēpli nūq̄z possunt reperiri duo arcus

Arta ☿

Medias ☉ ☽ distancia mineg ☽ ☿
vere coniunctionis primo examinato

☽ ♐ 21 ; Σ
9 H 39 48

Arta ☉ ☽ eod tpe

☿ 10 19 ♐

Vel aliter Inuenies medium motum Olis
quam ☽ ertam pro tpe primo examinato
habito ex medio motu ☿ primum ☿
minuto / fiat ut unitas cum ☽ distantia ☿
gradibus a media ertia tamen ex tabulis
horarum medie gradiones / que sequuntur tabulas
dictu medio motu Olis coniuncto Et

Tempꝰ medie ☉ pro eclipsi Solari in mense decembre

Tempus hic reducat̃ addendo

☌ h M ☿
34
♐ 9 29 28

Reductio

♐ 9 34 28

Mediety ☉ et ☽

☌ ☿
9 11 50 11

Arcꝰ ☽

1 21 14 42

Arcꝰ latitu ☽

4 24 18 21

Secda propoſicio

Arcꝰ ☉ pro eodem tempore

♌ ♍ ♎ ♐ ♑

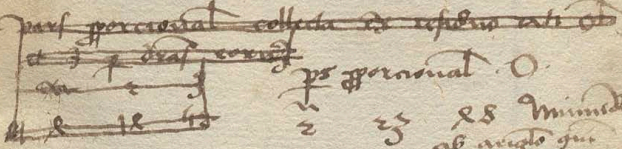
♑ 1 20 30

Nota hic circa tria. Primo ꝑ partes ꝑpetuales quarum una ꝺ que detrahitur ꝺ residuo arcꝰ obliq; et alia ꝺ residuo arguunt. Unde ſi fieret diuersum. Deinde circa ſignū ſit expandum ſm tabulam. Et in iſta ☉ ꝑpetuales ꝺ arcu obliq; detracta habuimꝰ diuiſa ſi ſubtra hunt̃ a declinatione in angulo ꝗ̄ accepta ſi ꝺ alia tur ꝺ ſide ſi ꝑpetuales ꝺ arcu iam accepta habeat tota ꝺ addatur ꝑ̄ ꝺ reſiduo et reſiduo ꝺ ꝑpetuales obliq; et declinatio ſi vo M minuatur et debet declinatio iſta

Proposicio tercia

arcus obliq arcus ☽

☌ ☍ ♑ ♋ | ♈ ♎ ♌ ♒



pars ꝓportionalis collecta de reductione arcus ☌☍
de ☽ ꝓ ☉ fuit ♎
arcus ♎ ♈
ꝓportionalis ☌
♒ ♐ ♑ 25 minuta
ab angulo ☌

pars ꝓportionalis ☽ addenda angulo ☌
♌ ♎
1 55

Distancia de ☉ a media ☿ta
ꝓ parte ꝓportionale ☌ et ☽
♄ ♌ ♎
S. ☌ ♐♑ ♎♈

Tempus de ☉ns ꝓ examinatu
☌ ♄ ♌ ♎
♐♑ ♎ ♓♓ ♉♊

Proposicio tercia xta

♉	♉	♑	☿	☽	♌	♉	♑	☿	☽
☉	9	11	20	6	☽	9	8	20	11

Axtu ☽ motus ☌

1	11	21	22	8	13	11	31

Alius modus p distacia proposicionis 4ta eiusde

~~Axtu ☌~~ Vlcdy motus

☉	♌	♉	♑	☿	☽	♌			
	9	11	29	48		9	8	16	48

Axtum ☽ motus ☌

♌	♉	♑	☽				
1	11	28	24	8	13	18	4

Proposicio Quinta

Axtus Obis p medm motm solis pm
☌ ☪ ♈ ♐ mmentus
♂ 10 18 ♎6

Verusty ☉ p hc axtm mmety
☌ ☪ ♈ ♐
☿ 12 3 11

aliud axtu per motu medm ☉
ex distancia collectu neptuns
☌ ☪ ♈ ♐
♂ 10 19 ♑

Ogmoty ☉ p axtu secdm mmentus
☌ ☪ ♈ ♐
☿ 12 2 1

Sexta

Centrum ☽ axis ☽

☿ ♂ ♃ ♀
11 23 18 8

1 14 28 24

axis equinoctium
1 16 31 24

☽ ☿ ♂ ♃ ♀
9 12 4 3

Tempus secundo examinatum
☿ ♂ ♃ ♀
23 2 18 1

proposicio nona

Arcus oliis
6 18 18 26

Vgtus oliis
9 12 8 1

♄ drstancia
m z
1 11 23

Cornis motui ot
m z
3 3

vgmotg ot pro tpe visible oms
6 6 m z
1 12 1 10

de ☽

Arcus ☽
1 16 31 24

Vergtg ☽
9 12 4 3

drstacia visible
oms a vera
♄
1 11 23

Cornis motui ☽
6 m z
0 21 31

vgtg ☽ pro tpe visible o
9 12 26 20

Arcu latitudis ☽ ☿ tpe po exaltato

♑ ♐ ♉ ♓ ♈
♑ 24 22 29

Arcu Lati ☽ pro tpe visible o mo

♑ ♉ ♓ ♈
♑ 20 8 0

Proposicio decima

Arcu Latitu ☽ visu

♑ 20 8 0

♐ qua no nitrat in tabla nu e ♓ 10 op; e pla pernocial acapt nusiue do preg corndenia vmbre qe tabla augtur & decrem minute ñ to nita to subtrahat latitudo nor a maiori ho e a qe queuit et rect dra hz que diuidendo ☽ to qua augt tabla & to nite in to veruntur in quoc ente ☽ hz que nite ducata ☽ hz nita cu sidenit ♈ corndenia ☽ nor minute ñ quibq no ñ nitrat que sub trahant qz sequens sint nior

Latitudo ex table

♑ 9 20 ♑

Corndencia vm nuto extracta

♈ ♈
5 12

Corndencia & mins ♈ ♈

Latitudo va pro tpe visible o septe

♑ ♈
0 20 ♐

Latitudo visa ☽ cod tpe ♈

♑ ♈ ♑
0 ♐ ♑

Meridiot

Septima

Egeio egta cu distacia

6 Xn z
o 1 28

vergtg ot
9 12 8 4

Arctu Lantu 7 primo eqnig
4 24 22 29

Arctu 7 pro tpe ve o'mss prio Arato
1 16 28 24

proposicio 11-

Arcus ☉
6 10 / 18 26

L.

Puncta ex tablis
P ☌
R 8 et debent
esse p parte proportionate
accepta dra ☌ sequitur
que erit ☌ et quod
remanet ☌ ducta in
hz ☌ latitudes
rum quibz ☌ p mta
tum dz subtracte que
sequus minor inuenit et
retinet puncta po eqta

Puncta po eqta
☌ ☌
3 24 21

Puncta ☌ 8 signis
po equata
3 22 21
Subtrahendo unu
ab alio dra
☌
1

Arcus ☽
1 16 21 24

Latitudo visa
☿ ☌ ☌
0 23 43

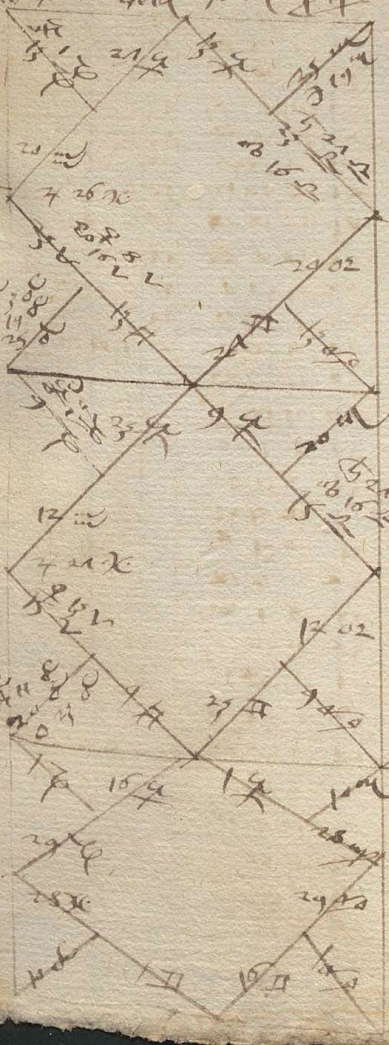
Pars proportionalis
☌ ducta dra hz
☌ in resultus arcus
☌ ☌ ☌
R 22 26 que
dz duplare et remit
pf proportionalis
24 24 12 que
debent subtrahi a pu
cta po eqte et remanet

Puncta vltio exa
minata
☌ ☌
3 20 2

Tempus casg prio examinatu q̃ nõ ẽ scõ examinate q̃ nõ ẽ dra a sequendo procedendo p̃ processus ad ꝫ

h xn ẽ

o x̃ ys



1	5	29	16	32	5	15	8	66	6	0	12	
2	11	28	32	35	11	22	20	68	11	50	8	
3	11	21	28	36	11	33	36	69	11	39	24	
4	23	11	4	51	0	21	8	10	23	28	20	
5	5	6	20	38	5	12	8	11	5	11	36	
6	10	15	30	39	11	1	28	12	11	1	12	
7	16	24	52	40	16	50	40	13	16	55	28	
8	22	24	8	41	22	29	56	14	22	8	44	
9	4	23	24	42	4	24	12	15	4	33	0	
10	10	12	40	43	10	18	28	16	10	22	16	
11	16	1	56	44	16	1	44	17	16	13	32	
12	21	51	12	45	21	51	0	18	22	2	48	
13	3	20	28	46	3	26	16	19	3	32	4	
14	9	29	44	47	9	35	32	8	9	51	20	
15	15	14	0	48	15	24	48					
16	21	8	8	49	21	18	4					
17	2	51	32	50	2	5	20					
18	8	26	48	51	8	32	36					
19	14	36	4	52	14	59	52					
20	20	25	20	53	20	51	8					
21	2	14	36	54	2	20	24					
22	8	3	52	55	8	9	40					
23	13	13	8	56	13	58	56					
24	19	2	24	57	19	48	12					
25	1	31	40	58	1	37	28					
26	7	20	56	59	7	26	44					
27	13	10	12	60	13	16	0					
28	18	59	28	61	19	5	16					
29	0	48	44	62	0	54	32					
30	6	38	0	63	6	43	48					
31	12	27	16	64	12	33	4					
32	18	16	32	65	18	22	20					
33	0	5	48	66	0	11	36					

Longitudo
Latitudo

Declinacio Saturni

Meridionalis

Tercium propleuma

Motus

	♈	♓
☽ nobg	9	33
☽ lati	1	22 S

	♈	♓
Anguli oms	2 X 1	21
Ascensio rte in angulo		

dra longi 1 3

dra latim 10

Ascensio eqta vltimo

♈	♓	
2 X 8	8	29

Exm cautele

	♈	♓
☽ lon	2	30
☽ lati	5	3

Ascensio eqta ext

♈	♓	
0	11	15

Quartum problema

	☌	M
sumant stella vel poste ma si	19	38

	☌	♌		☌	M
Lati	~~☍~~	~~0~~	declinatio	36	36

Arcus sue radix ascensionis

☌	♌		☌	
♑ 10		♐ 28	dra	1 A

ps ꝓportionat 39 A

Arcꝰ sue radix eqta

☌	♌
♑ 11	10

Vnus multiplicandus

1 8 9 ♑ 1 dra ♑ 18 que duratur in 38 multiplicado ra et ꝓ ductu dnda ꝑ 60

productu multiplica

1 1 9 ♑ 2 ꝑ 38 et ꝓ

Quocies ♑ ps ꝓportionalis

1 9 9 addē multiplicādo et ꝓ multiplicdo eqlr

Multiplicandꝰ eqlis

1 9 1 ♑ 0

~~Deinde accipe unum pro denariis~~

Vnus ferendus et denariorum minutorum

1 2 6 4 8

Deinde adde 2 1 0 2
que multiplicat 2 et habeta denariorum

Producta per multiplicationem
Deinde minue ferendum quod dandat 2
9 1 2 1 2 7 60

Vnus equorum per denarium
1 6 2 1

Vnus ferendus equitis
1 8 2 1 4 7
que multiplicatur multiplicando
equitis per

Producta per multiplicationem
1 8 2 0 8 8 0 1 40
a quo abiciant 2 et signat +
et adde 2 unitas
Et manebat
1 8 2 0 9 minus 40 unitatis

Et numeres arcum diur semissij
Ꝛ medij vbi ☽ in fronte
habuit et ♐ in latere

Ascensus ☽ recta stelle fumant
☽ ♏
♋ ♋ ♌ ♐

Quintu et sextu

Ascensu ☽ recta ♄ ♈
☽ ♏
♈ ♐ ♑ ♑ ♓

ascensu recta ☽ table
♄ ♈ ♐ ♑ 11 62 pg ♈ mus
41 sig
ꝯdmtu pg mltplꝯ 60 sig
ꝯnoui ♈ adch
♋ ♋ ♌ ♌ nous sedoz
de assisiu

♐ sabi
1 6 20

Arcus eclyptice recta secedis ascensio recte
♏ ♏ ♈ ♑
48 24 pg ♌ ♐

Ascensio oblq̃ solis
☌ ☍ ♑
ɜɜ6 49

dra 36

Ascensio rgla
ɜɜ6 49 36

Elevacio poli
51 30

Ascensio oblq̃ sub 51 ☌
ɜɜ6 49 36

sub elevacõ 52
ɜɜ1 45 dra
ɜ8

dra poloru
52 53 A pe

O. Ascensio oblq̃ rotundus 51 et 30 ☍
ɜɜ1 ☌ ☍ ♑
26 5

☌ ☍ ♑
Ascensio oblq̃ ☉ rgla 29 5 49 ɜ1
☌ ☍ ♑
Ascensio oblq̃ ob rgla 56 ɜ45 26 38

Aserufes rela alumig aeruf rclaphor
oratime aeruf equachalis necessi
qui nim tal aeon rclaphi defficit
uerpet et defunt oches in spera
rela ℔ Johannes de regio mons
po epithomatu sup almagestum
ptolomei regiomontana vn oscen
sio rela et meridiani rbi eruge
astri ad sunt / quia nim quo gdm
equachalis asrenalis planeta in
spera rela nim rod rbi mediat
et p meridiani transit in quo
mugs loco habitatorum / quibus
meridianus semlis ~ in od habi
tatorum in omis meridianus et
regiones habitatorum transit
p polos mdi de hoc tamen alfra
garius dra ℈

Circa 1 problema

Cautela qd elicuit p una dra ad
addenda altera minuenda subi
batur minor a maiori et oper
mur thalo residuu

Contingit aut ℈ grad sit ♈ ♉ ♊ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓
secund longitudinem habitatis et ℈ de
latitudine meridionali cum hoc tabs
inuenda tabulas ♉ declinationum inuenio
angulu gmunq ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓
hinc a sequenti ♉ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓ et manet
dra

Septimum problema

Motg ☉ 12 M 1 m elenacio poli 51

Ascensio obliq corrdens gdm solis 12
rt signo agrii st polo 51
☾ M
336 19 gra 36
Ascensio ista 336 ☾ M 19 36

Si tamen velis pt gdum rt signi
habe minuta subtrhe minuta as
nsionis oblique / accepta a signis
dra vobis inq pq sido ascensio
nem obliquam minuta subtrahe ab
illa in tabula accepta et dra
vorabimus sidq Qui sunt ulti
pharanon rq Et sragunta / dim
batur p minutum primum quo
rum fuerint minuta addetu
da gradibus ascensionis

Descendo oblig

Quadecimum — hr problemma

Arcg semidiurng

♑ ♓ ♈ ♉

Semiarcus nocturnus

♑ ♐

Duplus horarius diurnus 38 ♏

Duplus horarius nocturnus ♌ 18

Problemma ♈

Meridies recta ad rectam

♑ ♓

2 9 9 30

As recta ♄ 2 8 8 8 39

Longitudo ♄ a meridiano

♑ ♌ ♌

41 ♌ ♌

18 problema

---

1 Ora ascensionalis ♄ 20 14 ♐

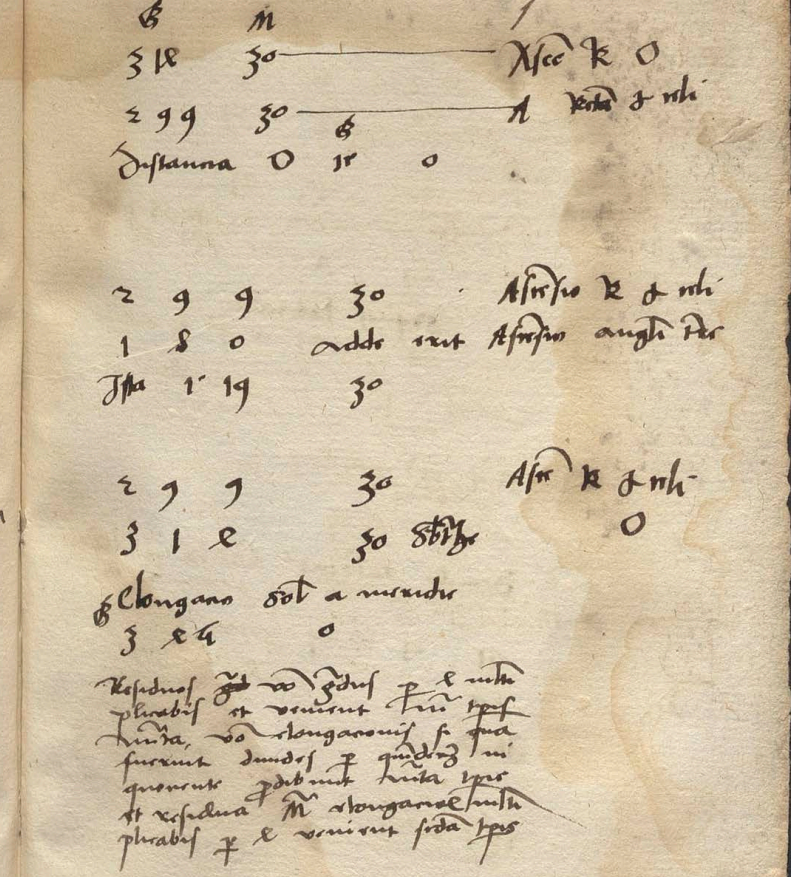
♑

2 30 a gradu ♐ sub ♄

♑ m 2

Arcg semidiurna ♄ ♐ ee ♈

Arcg seminocturna ♄ 156 14 ♐



20 Problema

Medietas Sermaco Saturni

Distancia superficialis tranea

Distancia minor ex area tabule

sub polo

Sequitur tabula

a

Dra reducatur ad

Nunc per regulam

Dimidia subtractae distantia ex tabula

posita

ex tabula

Dra

Nunc per regulam

Nunc sectus

Terminus vere

Quod ꝓducta duplicata ꝑ primū
et deducunt 10 M ut quo
rum / Corrigenda duplicanda
polo ut habebis quot ꝑ am
plia

Et residuū 1 6 1 reducatur
in minores fractiones et erit
terna
9 6 6 0 que duplicate ꝑ primū
et ut quorum numerus
Corrigenda polo et residuū
1 8 0 ꝓt ut opꝰ est

Deinde sumatur de decima
nona maiori pars et ꝑ ea et
quarta distantia et minoribus
ꝓxime minor
61 34 que equalia
61 62 sequi naturaliter ꝓt equalia pa
Dra 12 4 que reducatur
ad eandem denominationem ut pri
et erit 8 61 unus primus

Dra distantie proxime
minori ex tabula accipiatur
3 60 reducta fiant

3 360 unus secundus

Terna 60
producta ex multiplicatione ꝑ primū
et addantur et sedecim ꝑ
1 3 4 8 1

decimu problemma

Meridionat

dra ascensional ex tabule

dra

dra ascen pa eqta sub polo

pf pornonat

dra asfesive sub polo manore

dra

dra asfesive sub polo

eqta

dra dray asfensionalis

pf pornonat

addda dre asfensionali

dra asfensionat polho eqta

Ascensio recta ♑ ♌

288 8 39

dra ascē 11 11 dra ascensionalis addenda

Ascensio obliq ♑ sub polo 50 ♐

♐ ♌ ♎

278 24 42

♐ ♌ ♓

Oriens dextri humeri m 24 38

♐ ♌

Verticalis 6 10 depte

polus ♐ rectā subtrahendū

distantia a ♐ recti 1 19 30

Meridianus seu recta ♐ recta meridianū

domus 299 30

Ascensio recta ♉ ♌ 1 8 0 addendo hanc

oriens quia subtrahi debet ♐ primum quia

quia ♐ domus recta

Distantia a recta domo ♌ ♑

31 24 ♐ superius maior

♑ 0 dra 1 38 que reducat ad rectā ascensionem

♎ ♐ ♌ ♌ ♌

Deinde num polo subtracto ut radix tabule
inveniatur
dra 8 3 9 0 9
30 2 0 que subtrahit p m sequentis
et venit ad qz d 1 polé
vel hr duodat z 60 et venit quotus
go addendus po subtracto polo rotundo
et sphera / erectis ejus
8 3 9 6 9
Deinde multiplicet z unus p duos et
venit product
9 z z 0 3 1 1 3 8 quod ultimo
multiplicet p 6 et resultabit
r r 3 z z z 6 2 z 8 a qo
nus dsus dextra abinant z 6 figure
et in reliquo unico tabulam finiendo
fz r r 3 z que reindo in ut
dicta tabule vbi possum invenire
Et inventio minoris propinquioris r r 22
ni cum 6 sup et 11 m a latere
rotundum 8 vbi inveniens sida
subtracta hui arcphu ex sequenti fz
r r 22 et erit dra mis pg 18
Deinde arcphu ab invento subtraham
et erit dra / 8 mis sida mis tho
60 6 m
et venient 26 sida rotundum r 41
prig ex
tabulis
Que mis si habebunt for dra assensionali
mis actam et obliquam sphe

Que ☽ dum ex aspectione recta declinato
sunt septentrionales
et dum aspectus obliq ☉ ♎ ♏ ♑ polo
recto ☿ ♂

☌ tam problema

Stella dum fuerit in { Mediatat Zodiaci aspiciens nec ☉ nec ☽ { Septr Mercr } Minus ser addr

Mediatat Zodiaci deser { Aurorat addr Occidentat Mercr. Minus } dum

Ad decimn ☿ aspector si declinans { Septentrionat minus Occidentat addr } dram

☿ descensor si declinans { Septentrionat Addr Meridionat minus } dram

Pr[ae]dict[us] Johannes assumpsit defend[ere] et sua quarenta
p[ro]p[ri]e testimonio p[ro]d quarenta sua fecit

1 3 12 19 20 10

	☌	M	☍
♄	♑	0	29 ♑ 30	♋
☿	♑	24	33 ♑ 48	♌

Exem. xx problemmatis

Longitudo declinacõ			ascensio recta
♑	♒		♑ ♒
11	10	S	119 9
8	16	M	194 9

Initialiu[m] equo	♑	♒	manens pq subtractiõ ascensiõ recte vnius ad minorẽ de ascensiõ recta altius ut mane[n]s
	xx	51	

pt̃ dz esse minus 180 gradus qz si esset maius illud gumgreuntur dz quod esset maius pt̃ 180 tunc maior ascensio diminuta de minore subtracta hr accomodat 360 gradibꝫ et quesitus pt̃ latitudẽ sic intrando in tabulã posuam

180 quã desiderat de minore

predictus quesitus Vage est stelle essent sup̃ diam et pro declinatione Caude leonis et inuenies distantiam

♑	♒	sub polo	48
62	28	que equata erit	
62	51	18	

Distanna vo spic̃ p declinacõ leonis

♑	♒		
39	33	sub polo	48
		que equata erit	
39	41	46	

Excessꝰ minor

quarum excessus subtrahendo vnum ab alia minor inuenit

♑	♒	
23	9	22

pgra simulet intrando cum eisdem declinationibꝫ sub polo maiori 48 et quesito vt prius distannas

Distancia ℔ lande eqle ℓ M ℈
64 44 36 ſb polo 43

Distancia spice eqle 41 14 32

Excessꝰ ſtarum deſtancie
maior mediallo 24 31 4
Iudicat pgbibitad gradus in qua ali or
habitabi ſecꝰ eam

Dra excessus ℓ M ℈ nus ſecꝰ
ſc eſt nus ſecꝰ 1 21 42

Dra excessꝰ minor ℳ ℈ nus ſecꝰ
ab mediallo eqno 41 38

Tercius eq ℈ 60 nus ſecꝰ

polus o ſpra ℓ M ℈
remu ſtellarum
42 30 38

et erit in dra [illegible] dra [illegible] deſtancie
nemus ſpra ſtellarum ℈ maior ℔ poli
ſve et minor ℔ ſcpnus

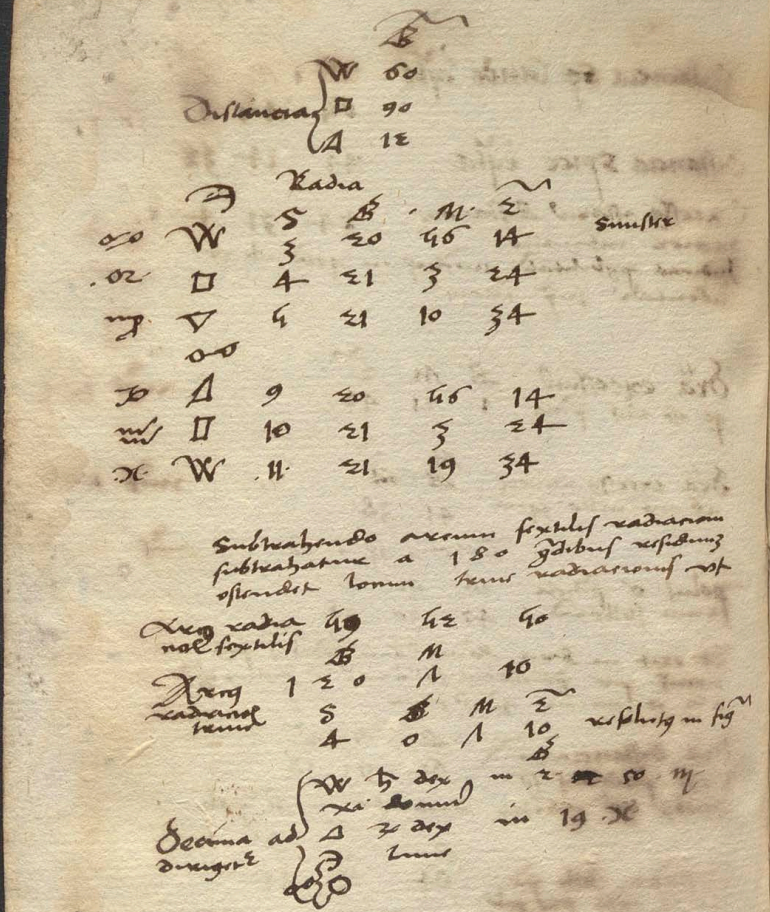
Dra deſtanciarum ℓ M ℈
ſtelle pdictꝰ ſo
62 41 18
duobꝰ pol marbaz duarum in M poli

Deſtanda ſtelle ſpra ℓ M ℈
dicte eqle pes pol
64 23 14
ſ mſtantꝰ gradibꝰ ſ ℔ 23 queri aſum
ſcio arda arde

Aſcenſus arde media ℓ M ℈
arde ſ mſtantꝰ o ſtellaz
234 32 14

Elongacio Sol a meridiano ℓ M ℈
ſ ℔ o ſ ſubtꝰ
111 31 42

Temps o ſtellarum ſpra
clarum 11 50 30 42



Directiones decime

ascensio recta ☽ ☌ dex	♐ 10	♑ 51	♐ 51
arcg directe	4	♐ 4	♑ 59
Ascen ♈ 11° domg	♐ 24	♐ 28	
Arcg directionis	19	15	
Ascensio recta ☌ radix ☽	♐ 26	♑ 40	18
Arcg directionis	20	♑ 51	30
Ascensio ♈ ☍ ☿	♐ 21	♑ 15	♐ 28
Arcg directionis	21	♐ 40	
Asen ♈ ☍ ☉	♐ 26	♑ 44	♑ 33
Arcg directionis	30	♑ 41	♑ 44

	♑	♏	♄	♉
ad cor scorpij	♑ 33	♏ 1	♄	♉
ad ☿ ☉	♑ 40	♐ 8	♐ 0	

Directiones ascen ☽ ascensiones obliquas regionis

Si vis dirigere ascendens ad aliquam stellam fixam vel cuspidem

Hac in stella ascensiones obliquas sub polo ascendentis regionis et per ☽ quam ascensionalis si vel stella habuerit latitudinem habuerit ad sumpta ☽ la tudinem ascensionem obliquarum si habuerit latitudinem ra erexerit et subtrahas ascensiones obliquas ascendentis de ascensionibus obliquis stellae ☽ prossore

Directiones ascendent

ad ☌ ♄
□ ☉ ☽
□ ☿
☍ ♃
△ ☽
△ ☾

Dextros

ad ☌ ♄
ad ☍ ☉
☾
☿

Ascensio ob ♄ ♑ 30 2 20 13
Ascens directi 6 1 24
Asce ob □ ☉ ♐ 19 16 56
Directio 23 5 48
Ascensio oblq △ ☽ ♐ 21 18 21
Arcus directe 26 4 39

Sedes Saturni et Solis Genituris faciendi sunt ascensiones quinquesonis et dissonis

Asce ob ♃ ♑ ☽ ♑ 346 45 44
Directio 60 41 27

Directio 12 39 46

Directiones ☉

ad ♈ 00 ♉ ☉
♈ ♀
Ascensio ☉ ob 00 radij ♐ 21 20 29
Ascesio ob ☉ ♐ 80 26 11
Arcq directionis ♐ 44 42
☉ oppositio radio ☽ cum sinistris signorum

pol. 13 Descensio obliq 0° radij 194 40 12
58 pol 00 radij Descensio ob ☉ ♐ 40 44 41
orie 13 ☽ ☉ ad 00 ♈ 44 4 34

♃ ♀ ♄ ☽ ☿
Declinacio 8 41 34 Mc
Ascensio ♄ radij 20 0 49 48
Distantia 4 ♓ 0.
polus 8 gdum
Descensio obliq ♃ radij 199 33 9
Descensio obliq ☉ ♐ 42 41 12

Que tenet regnatum ad quid [illegible]
dam alonig [illegible] in anno [illegible]
[illegible]

Quietas anni alphonsina que quid
[illegible]

alhabitar
planeta hyus [illegible] in [illegible] ad
que [illegible] alhabitar
[illegible] ex esto principale [illegible]
[illegible]

Salus regis salus regni

	℔	ℳ	ℰ
Arcg Semidiurng ☉ de 180 subtrahde	60	ℋ4	1ℰ
Arcg seminocturnus	119	ℰ9	48
Ascensio loci ad que ☉	ℰℰ3	ℰ1	19
Clongacio a dromo hmg loci cuiusc loci ad que ☉	ℋ4ℰ	41.	33
Distantia a meridiano	11	8	ℨ1
Ascensio oblig ☉	ℨA ℰ	44	ℨ0
Arcg ☊ eclyptice ad	ℳ℔	ℳ	ℰ

Arcg semi ♐ 1 ♓ 16 ♓
Arcg semino ♐ 46 43 31
Asco ♑ lari
ab qui 23 gra
mor dextro ♐
g sinistra sig 48 46 ♓
Cdgano a meridia
no 1 41 26 24
Distantia pdicti lon
och ♑ dra ♓ ♓ 34 polg 41
Dra ascensio
pr pdicto pol ♓ 39 ♓
Descensio oblig^
ab a ♐ subtrahe 10 4 ♓ 46
Residuu erit 12 ♓ 46
Arcg 8 26 49 41

Directio et pfectio Nominant multiplicationem et virtutis et significatorum ratum gradum eclipsis inpsi stella in multiplicando fit differentia pm directionis virtus stellarum multiplicatur secundum gradus equatoris veniunt singulis annis singulos gradus equatoris attribuendo Sol autem pfectionalis secundum ptendentiam zodiaci Sta p vni anno solari dantur 30 gradus zodiaci vt leopoldus in sua summa et de pfectionibus dicit p pfectio 1 planetis vni pri mum zodiaci p annos solares. deinde vltz annos vnus signum

Mensurare 1 multiplicare virtutes stellarum

Mensis pfectio realis et Et sunt inserend te signorum zodiaci

Temps revolutionis primi natiuitat
Anno 35 ☉21
D h M ☉
10 9 41 4 Mai

Temps a primo 130 9 41 4
Solarii pro Anno 35 ☉ ad
diē revolutionis

Tpo ad diē revolutionis 115 14 12 44
natiuitat ☉ ad
5 sept

ex Ptolomeo
et alijs
valo qrt

Ad tabulas eclip.

1 5 8 8
☽ ♄ ♏ ♐
10 10 ♎ 48
maij
9 hor 15 equal
12 assensionibus

Motus planetarū p eadem hatuitate

	S	♉	♌	♐
☉	1	29	8	16
☽	1	21	3	24
♄	9	2	40	44
♃	11	19	18	22
♂	0	18	36	35
♀	0	19	15	26
☿	2	22	32	35
☍	10	0	18	
⊕	8	17	21	8

Latitudines

20 Aprilis

	S	♉	♌	♐	
♄		1	10	37	S. Af
♃		1	9	37	M. D.
♂		0	20	47	M. D.
♀		1	29	32	M. D.
☿		1	28	46	S. D.
☽		4	43	30	S. D.

Ascendens

	♑	♏	♐	
Declmacio	♐	♐	4	Med
Ascensio recta	♐	♑	1	40
Dra ascen	♓	4	47	
Ascen obliqa	♐	♑	1	48

Septime

	♑	♏	♐	
Declmacio	♐	♐	4	8
As recta	8	1	[illegible]	40
Dra asce	[illegible]			
Asce oblig	♓	16	♑	♌

Asce recta Medij — Subtrahendo gradus de ascensione obliqua ascendente

[illegible]	♓	♐	6	♑ 48
Ascensio recta	♐		♑	48

Vitrualis polaris

☉

	S	♈	♌	♐	♓	
Declinacio		20	0	47	28	S
Ascensio recta		56	44 54	33		
Distancia a cenit		30	41	44		
Polus		43	44	22		
Ora ascensio		20	31	42		
Descensio oblig		11	26	14		

☽

	♈	♌	♐	♓	
Declina	22	36	59 51	20 24	Set
Ascensio recta	41	14	21	48	
Distancia a cenit	21	2	40		
Polus	38	46	44		
Ora	19	33	40		
Asc ob	66	48	49		desce

♄

	♑	♌	♐	♑	
Declmacõ	22	11	32	5	M
Asce. R	330	38	16	48	
	213	5	9	31	
Dissada a qrta	113	1	39		
polus	40	33	14	ex tabla	
	49	31			
Dra ascensional	28	39	41		
Ascenso obliq̃	30	1	44	41	

♃

	♑	♌	♐	♑	
Declmacõ	5	18	28	1	M
Asce. R	350	38	16	48	
	350	38	40	48	
elogacio a	215	34	1		
Dissacia a qrta	34	34	1		
polus	33	14	120		
Dra	3	29	33		
Asco. ob	344	8	3		

☉

	♈	♉	♊	♋
Declinacio	7 6	1 49	37 37	33 31
Asc	14	11	7	
polus	12	42	34	
Distacia	8	44	41	
dra as	1	34	45	
Asce ob	16	42	14	

☿

	♈	♉	♊	♋
Declinacio	6	10	4	38
Ascesio	18	11	41	32
Elogacio a Mer	18	44	46	
Distacia	12	44	46	
polus	11	5	13	
dra				
Asce	0	11	4	9

♃

	♑	♒	♓	♈	
decli	24	46	24	8	
Asce. ☩	81	46	24	51	
distā a ☩	44	33	34		
polus	40	48	46		
	49	44			
Dra	33	116	33		
Des ob	114	2	46		

♀

	♑	♒	♓	♈	
declina	20	8	6		Mer
Asce. ☩	30 2	30	36		
distacia a ☩	83	42	12		
polus	46	49	22		
Dra					
asce ob	324	30	10		

⊕ ptolo

	♑	♒	♓	♈	
	♑	m	♓	♈	
Declina	♐ 22	54	16		Mcl
Asce ℞	♐ 26	♓ 21	~~♓ 4~~		
			35		
Distãa a	decia				
	50	8	♓ 21		
poluf	40	♓ 24	18		
	~~49~~	18	♓ 26		
Dra	♐ 29	♓ 24	48		
asce ob	♐ 05	♓ 22	43		

Ascensiones oblique

	♑	m	♓			♑	m
Ascen	♐ 26	12	48	ad			
		38	8		subtrahendum poli	50	20
desce							
septie	1 16	12	48				

Ascensio obliqua ♐ 01 ♓ 28 34

Exm Scdi canons

Agrameth stella fixa

Latitudo

Longitudo ♈ 5 ♉ M
cig 6 16 35

31 30 ♉

Arcus ♉ M
6 50
Sequens 7 15
A dra arcg ♐ 25

multiplicandy
9 ♐ 5 6 1
9 ♐ 4 4 5
dra mu 8♐ A
mrii multiplicadi

Arcg rectus ♏ M ♐
7 5 40

♐ rect multiplicadg rcty cig ♐ 4 13

dcut alii loco pris apponat

dra mil arm st Latitudinis ♑ M 5
24 24

Sung rcty ♐ 4 7 8 6
p dram ar. simul accepty

Product ex multiplicatione sung p mrii multiplicandi ♐ ♐ 9 0 5 | 4 8 6 1 8

♐ ♐ 9 0 5

M
Dechmacus stellr ♐♐ 26 Sunt

Orion

Locꝰ	☾	M
♍	21 38	17 0 M

m. ☾ declinat. a magnetis

23 16 42 arcꝰ equat.
9 9 8 0 4 min. multiplicandꝰ equ.

☾	M
6	17

dra arcꝰ et latitudinis

6 4 4 3 | 1 9 6 3 0 ☿ductus ex multiplicatione

Declinacio orionis	☾	M
	6	11 Sept

Alia Vega volat cadens

Locus	☾	Lat.
♑	6 48	62 0

23 21 4 arcꝰ equat. Met.
9 9 9 12 min. multiplicandꝰ equ.

Sep 38 38 36 dra arcꝰ et latitudi.
Sung rectus ex tabula
3 1 4 1 3
3 1 4 4 0 | 0 2 3 1 6 ☿ductus ex multiplꝰ

☾	M. S
38.	31 Declinacio

Exm cantele terci ianoms
♄ M ♄ M
Sol stella 3 ♄ . M. 3 lahabeb
huius hoyabedum ♈ ☽ 4o ♌ 3o 5e

Almo exm
♄ . M. ♄ . M.
dc ♏ 4o ♉ 4o Mc

Arcq gms

349 358

sequens
♃ 33. emia in minut zodiaq

Exm Enarti Canons de adramech

Longitu ♑ M ♐ Declmacio ♑ M
♐ 0 16 38 ♐♐ 26 8

Arcg eqtis ♑ M ♐ Multiplicadg eqtis
1 9 8 3 10 / 2 4 8 0 3

Asscensionat gd
Mul multiplicadi

Mul multiplicans ex tabla fcnda eqtis
4 1 3 2 2

1 0 2 4 9 / 0 9 5 6 6 — plus 5.
5 0 0 0

Arcg equatore ex tabla primd
♑ M
9 40

Stella m 30 dno ascendens descendens

Stella m zodiaci: Ascendens Sep M Me A
Descendens Sep A Me Me

♑ polo 50 9
Ascensio oblq
3 18 24 24

Ascensio recta adramech
♑ M
20 1 30
45

Descensio oblqa
23 37 21 36

Dra ascensionalis adramech ♑ polo 50 gd
M M ♐
29 29 36

hzus ascensionis nostrum

Stellla ♌ 6 13 5

Exem

Luna cum ♄ gdu puncto

	♈	♏	♐
puncto ecliptice cum quo Luna mediat celum	♃	13	42	45
	♈	♏	♐
	☿ ℞	19	50	12

	♈	♏
Adramach	23	21

Ascensio obliqua a principio ♈ ad finem ♓ et elevatio poli 50

♈ ♉ ♊
2 42 26 longitudo diei h. m. s.
16 9 44

Ascensio obliqua a principio ♈ ad finem
principium
1 11 34

Descensio 8ve domus sub polo 89 46

♎ ♏ ♐
146 13 29

Ionis problemma

Ascensio ascendentis 29 6 12 48
♌ ♍ ♎
69 36 48 80
residuum

Arcus nocturnus ♏ 24. 32
Exemplum si fuerit ☉ in 20 gra. poli
poli 41 46
♎ ♏
Ascensio obliqua 10 36

Recto 23 fere fixe stelle in figura ma
dritatis vbi poñ

Quia ascensiones et descen
obliqui ex diuersitate circuli
habitabilis variantur, cum ex di
uersitate latitudinis stellarum necessa
rio eadem variari contingat ascen
siones autem recte, eedem sunt
quibuscunque dñi
equatoris vocatur qui differunt
duo ascensiones recta sz et obliqua
eadem puncto redeptes semicir

Exm volo mutuer diam ascensionalem ascendentis
☉ ☽ ♈
Declinacio ascen 23 24 4 Me
Ascensio recta 263 1 40

Dia ascensionalis 31 4 41
☉ ☽ ♈
Ascensio obliqua as 296 12 21

clinacio poñ
3. 40

Directios Lune ad ☉ ☐ ☌ ♄ ♂ ☍

Ascensio ☌ oph radij ♄ ♀ ♐

♐ 19 3 dra ascensionalis

Descensio oblig oph ♄ 1 ♐♐ 20 13

Arcg directionis 6 1 24

Descensio oblig ☐ Mart 1 39 16

Arcg directionis ♐3 3 48

Descensio oblig ♀ ☍ ☉ 1 41 12 44

Arcg directionis ♐4 0 1

Ascensiones sede domg

Ascensio oblig ☌ ☍ polo ♐ 9 44 30

Ascensio oblig sede domg ♐26 12 48

applicacio sede ad mart 43 46 42

Directiones ☉ ad ☐ ☌ ♀ 18 36 ☍ Cauda ♄ diminutionis

Descensio oblig ♀ ☌ ☍ polo ☉ 10 1 44 36

Directio ☉ ad ♀ ☌ 24 19 21

Dra as ☿ ☍ polo ☉ 44 26 28 14

Descensio oblig ☿ 10 8 14 42

☉ ad ☿ 30 45 21

Dra as ☌☌ ♄ ☍ polo ☉ ♐3 19 2

Ascensio ☾ ☌☌ ♄ 9 4 10

Descensio oblig ☌☌ radij ♄ 1 16 4 41

Directio ☉ ad ♄ ☌☌ 38 45

pris fola
☉ ♌ 6

Oxa ascens 11 34 46
alis

Arcg stmdxrms
♑ M ♐
10 1 34 40

In ♑ hora ♃h
oriuntur quadr
ans vrsa ♃ gra
data

Arcg stmnortms
♑ M ♐
7 42 24 14

Tempg arcg diur
♄ M ♐ ♐
14 20 38 8

Tempg nocis
♄ M ♐ ♐
9 39 21 42

Dmrms arcns
214 9 32

Arcg nocturns
144 40 28

hore nocis
1 11 45 10 40

Duodecim hora nocis in ♑ 2 20 ♑h
quinta hora nocis nocturna
sexta hora nocis diurna et no
turna quinta ♐

Ascen 30 ♐ 20 12
obliq ♄

29 14 ♐ Oxa ascensional

Descensio obliq ♄ 24 ♐ 40 6
♑ M ♐
♄ oriunt 1 2 4
occidit 4 30 36

♄ Arcg dnerang 1 21 29 44 ☍ dimarod pol
qp ☍

Arcg dnerang ascendentē
111 40 16

Arcg semdnerang 48 44.0
dnidaz ☍ ☽

Duplatu ♄ ♃ ☿
29 16 44

55 problema

Ascensio obliq̃ punct diametrales opla asc

♑ 4 ♐ 3 4

Arcq semidi dimeng 1 11 40 16

Arcq semidi 48 44 8

Semidiurng 1 21 4 42 ascendens

Duplu hore meridi 19 ♑ 38 ♐ 22 ♐ 40 diuersus arcq semidiurnus ♑ et

9 49 11 20 quintas horę meridi ascen

Ascensio recta ♐ 20 6 12 48 x

recta ♐ 22 4 41 11 xi

recta ♐ 24 4 29 33 xii

obliq ♐ 29 6 12 48 ascendens pgrinda

Duplu horę meridi 40 21 31

ascendens ♐ 36 34 25 sede dog

Asc recta recta 16 46 ♐ tercie

10 ♐ 28 14

11 18 30 ♑ arcus ceptor

12 1 19 ♑

Elongacio ☿ 1 ♐ 4 26 24

☿ a recta meridiano

157 v

1522

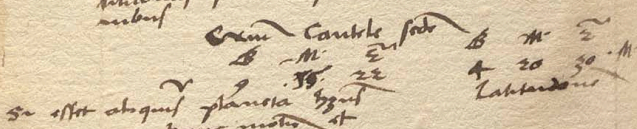
Addita cum exemplis circa tabulas directionum Anno 1521

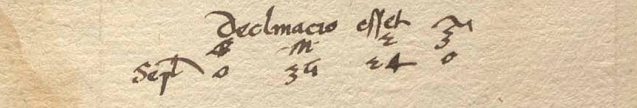
Sbi Septemtrionale qs fi fup fcla

Contingat eñ ne inqñ planetam vel stellam in signo septemtrionali zodiaci longitudinem vel gsetum, qd in latitudinem magnam meridionalem, ab ecliptica, nrossario declinacionem habebit meridionalem, eodemq; modo habebit de stella in signo meridionali q̄ latitudo quę dr latitudinem septemtrionalem magnam, declinacionem eiam obtinebit septemtrionalem.

Sbi agendum esse duplica mtrō

Quod accidit cū vel ad longitudines vel latitudines fiunt alię minute cum alijs fractionibus





partes proportionales Communes

Et collectum et adderem vna dies tunc
est, sic q̄ illud agregatum duraret ni
si dies vna cum quo vnde subtraho et
productum ꝫ semp subtrahi ab angulo
hominis primo et tabulo recepto

agreamus

Circa scdm problema ibi age
dum esse duplici motu ubi opꝰ fue
Circunda seu est dies accus q̄ subtra
hend minores ꝫ maiores et illa dies
circunda ꝫ in fractiones loco stellę adhę
rentes et ꝑ proportionalis ꝫ addi vel
subtrahi ab arcu nyta tabulo dier
similit vnde duos numeros multiplica
dos, meminienda est diē, que multiplicē
q̄ fractiones loco stellę adhęrens et ꝓducta
dundat q̄ 60 minuta, et quoniam esse
det plenus proportionalis addenda minus
multiplicando recepto ex tabula semp
si sequens dies maior fuerit minu
dam vbi minor et residuus ostendit
numerum multiplicandi ipsum

Alfraganus tz dicit sm introductorii mani
Videnti esse ad ista ortus astra et ascensio
obli descensio et occasus
Quia ascensio nominat apparentem sensui nisi
existit de signifer et sol in oriente uidet

ortus est di
cto gradu

Quia rá nisi oriret sidera pá et sol qui
tz e sidus clarissimum lucidissimum tota si
dera occultat et obscurat
Non sidus de orizonte separatur a sole ut
stelle ab ro th de solaris et clarans
Soda rá Luna apparens sibi vicinos
tz occasu e radius qui oculum hom
sub dmo ofisticum terminat

Dz ad sunt ad tz de ascensio e ortus o
riontalis ß nisi dz nisi de ortus descensio

Unde ascensio

Orbis stelle nō mundo ad ꝺ rum as
sensionē ꝓpius facere nec errasse rum
descensionē, gumineꝰ utrumꝑ orbis est
Orbis cui quid est solaris dum stella
a sole et ejus remouet, quadd aut
orizontalis, dum stella fuit occasuꝰ
motu primi mobilis elevatur, sicut o
ruꝰ, et versus nec oppose ducitur, ad
similitudinem rerum que ꝺo terrea
aut vetus materia aut absorpta in
luxum ꝑdunt ascensio aut stellarum
ad ꝙd solum reflectur occasionis
Ascensio trag nō ꝺ aliud ꝺ ꝓ stella
no astri sup occasum ꝺo ꝙr oriunt
Sed descensio ꝺ depssio stelle sub occi
dentem ꝺo ꝙr orthodoxis Et qz occasu
dicit ꝺ Orbis quidam et obliquus se
quid ascensio recta ꝺ et vocatur ae
quis equinoctialis orbis, qui rum bi
getudine stelle oriuntur in ejus recta
Equinoctialis cui nō necessaꝰ maiores
solus in ejus qualz regulariter accol
untur ejus dissat nō a polis mun
di, et ꝑ rum qualz occasus equum
distant angulum, cui in temporibꝰ
equalibus equales ejus exoriuntur ae
quis Ꝑ Zodiacus in nulla sphera
conspicuus ascendit rectum ejus ꝑ
rectus recte alterꝰ obliquus exoritur ꝑ
ꝑ obliquum ejus ad polos mundi
situm congruens igitur equator me
dium et ejus ꝑ motus Zodiaci et pri
mus distinctus, dicit ꝺ quod rectum
ꝺ ꝺ regulares mundi ꝺ sui et obliqui

Cum stellz mobiles et orbes celestium
sint poles mundi est motus regularis

Assumpto orbe et meridiano vbi m pla
neta ad sunt / quia mu verum loci
et poles mundi duratur meridianus
et equatores ad angulos rectos descrau
ad quod meridianu nimiz regrous
vngerit necessario sequitur vt mu
quo gradu equatoris stella in recto
meridiano oriens mu eodem gradu
meridiat celum et pariter ad lucem
dianu nimiz regrobis b alfragany
dra regressionatricia

			latitudem	
Est stella longitudinis	♑	m		
	♐	4	1	30

Quando arrepture nus nulli hrandes
rum nligus hradibus elevatur ipius
dra ad sequentem, qus tandi debatur
in residuum gplis nlicetus longitu-
dinis stelle et residuj dandatur p 60
qr si augetur nus latcalis tabule
quetus aut p dimsand lineatur est
pf ffrcionalis addenda et minuen-
da ab angulo gnmi

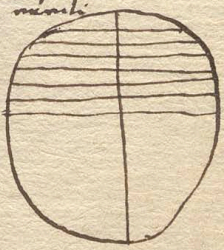
Sint lunaj etam et dulaes ad p si
militudo in pd esse queda adigna
rorespondens pu vordus mathema
tin' ffrcionalis

Hmj rapan
tas pida

Hmj rectus ad esse
d medietas anguli arcus
sed a r

Hmus vrsus

Ille aut arcus maior sit inventus po
nat p sum arcus minor qui re
dim arcu minor detrahat de semi
circulo qr hmj rectus sit 45 duos quoru
us semicirculi eqles, sc tales simili sit
semidiametro circuli Hugles 60 rum
d minor semidiametro circuli



Generalis modus inueniendi ꝑ
portionalem hꝫ ꝫ ex reliq̃ minuta
lioris quãd minutum ꝙsitum dua
bus ꝓcedendum regulis
regula ꝫ in tabulis seu inuentum
aureus inuenire ꝫ arcum tabule
in tali ꝙ exactius prung mꝰ ꝫ
alle ꝫ quem angulus tabule
dr. tm mꝰ tabularis resert de gra
de gradum prung mꝰ est 60 minuta
ꝫ 60 de secunda . m in 60 minuta est
de duobꝫ gradibꝰ in duos prung mꝰ
est 60 minuta et duo gradus secundi
aut mꝰ ꝫ duã duarum ꝙrtarum
seu duarum minutarum in arcu ta
bule reperiam ꝑ sic minute sequentis
Tercia 60 mꝰ est residuꝫ tm ꝙ
non ꝫ minutum Queres ꝙ parte
ꝑportionale est multiplicare tm
mum ꝫ solum et diuidere ꝫ tm
et mꝰ ꝫ ex diuisione resultabit ꝑ
portionalis minutum ꝑportionalis qꝛ
sus erbat ꝫ et alle subtrahe aut addi
da angulo gnmon, sedm tabule dꝛ
gregrinary

Secunda Regula ꝙ ex ꝫ arcum in
tabulam tabule extrahere arg tale
rialis, pars ꝑportionalis seu quartus
mus sic inuenietur prung tm mꝰ ꝫ
dua duarum ꝙrtarum seu minutum arc
alibi se ꝑ inuente sequentis secunde
Vnus est angulorum tabularis tabule
Tercius mus ꝫ residuꝫ tm ꝙ ne
est inuentum / Queres etiam plenius

Parallelus ut tales equatores & mille
alteros assignes quos nos dicimus
latitudinem ut ultimum unum & quos pro
rectis nisi latitudes & distantes pone
dicam duorum mediorum arcualis et
nisi ex duobus quorum & quos
nisi parallelus addendo vel mi-
nuendo sunt vel posuisti Et h
regula valet & ad quotum signum et
eorum problema

Quia asterismi recta stellis et mediacoe
li eidem sunt & eadem quod stellis
accidit ex ortu et occasu recto ad rotun
et a mediocoeli cuncta eum obse
& meridianum Declinatum & polos
mundi duratur

Frequentius contingit stellam in recto
gradu longitudinis consistere eclipti
ce, que tamen cum alio gradu recti
vel sequenti mediocoeli ascendit, qd
tum ex obliquitate zodiaci, tum ex
latitudine planete provenit, cum vel
stella in eclyptica existens sit in
suo gradu longitudinis in quo est
ultimum mediacoeli duorum, quorum
autem gradus longitudinis stelle pri
mum eclyptice quod tangit arcus me-
dii magis & polos zodiaci ac eadem
stelle producatur, talis namq; pun-
ctus quod quod stella et distantia ab
eodem aperte ostendit Idem & acci-
dit stelle in principio [illegible]

Constituta primum latitudinem
ab scriptura habeat

Quod si stella extra hor loa in me
diatate zodiaci a principio capri
corni et accesserit ad finem Lesz
gemineorum gsiderature / hzüs lati
tudinem signiferonalem primus me
diabit celum qua gradu longitudi
nis sui / oppositum vo arietis si
latitudinis meridiana habeat sti
la autem alia zodiaci mediatis
simit a principio vgz ramum pe
libram ad finem vesp sagitarii lati
tudinis rem hr borealem hzüs gdy
sens primus meridianum attingat qua
stella nus Jhus ariete si latitudi
nem habuerit australem gdy stag
num pro stella celum mediat est gdy
scriptor putem sirat radius magnus et
polus mundi et veterum stelle gdum

Lumena
stinarum
poli: 61

Quando tempus oritur et ascendit ali
quod signum tanto tempore descendit
signum ei oppositum qz alias no esset
medietas zodiaci sicz oriretur

Sui radiant sept contra stellarum et planetarum [illegible] gemmis diuersis virtutes experiatis et mirabilia producit

Ascensus obliqua { Mercurius . ♀ Venus mane aut vespere videbit
Semidiurnus . ☽

Descen obliqua { Meridio . ♂
Septen ♃

Gradus equi distantes ab equinoctiali puncto ♈ gemmis et equales sunt declinantes ab equinoctiali puncto quales sunt arcus diurnum et nocturnum differentiales altitudo solis mirabilia et umbra solis in die

Vbi pme nouā ep dñi d dñs Dns nā ex spera
lis Lucubrus

Illud quod sol pambulat mota dñi d
ḡdam pambulat mota solis medie ḡ
dam ḡ pransit vere mota Illud
ḡ pambulat ranſat dem vnſorem
astucnemiū et equalem Aliud sol
ranſat dem nō vnſorem

volang m opto augſt tardiz m augo

Dns autumat dñi quod equotiat ost
medium 180 gdus equotialis dnt
a tpe quo sol in principio arietis ost: quinque
tibus volutatur sup orizontē ost ad v. et vbera
quindecim minutias 180 — aequ dnang equa
lem medio sunt ḡ — alis
— secundarum

Dns negatiſ
d Lucubrus aequotialis sub tpe
re sol sup orizontē solet quinq ḡr
principes arietis et tabre

Finit tr
modus

Scienda ꝙ arcus diurnus ☉ arcꝰ
parallelli equinoctialis quem sol et quelꝫ
stella tali tempore motu firmamenti
describit arcus inquid supra orizontē
existens arcus aut resedimus vgl para
llelli sub orizonte gliwitz, nostrum
arcꝰ de omni ea stella seu ☉ ubi
cunq; seu tpe quod fuerit ꝑstituta
dicunt. ☉ in orizonte ꝙ motum diurnum
describet parallelum equidistantē eq
noctiali, qm a meridiano incipiat
ad angulos rectos, vñ meridionalis circ
arcus seu transitus ☉ arcꝰ diur
nus datale residuus aut sub terra
arcus nocturnus appellatꝰ ꝑ ☉ aut
cū seu transita
taxat et orizonte medietas diurni
arcus semidiurnus

ex z dictum
almagesti colli
glosse

Vel arcus diurnus vnglz stellē integrē
arcus equinoctialis resolutus vel resol
uendꝰ ab ortu ꝑmi stellē in orizont
orientale ꝑstitutū vsq; ad ꝑstitutum
et ꝑmiam eqlem in orizonte or
ientali seu de die seu de nocte seu
vt ☿ ex blanckino in libro floru

Dicij equoctialis

Cum ☉ i 20 gradu ☌ cum capita arietis
vbi et libra ꝙ que equalem ꝓducunt
in omni ꝑte seu sub polis, et nos de
nunc hzmt seminocturnos

d

Semidia hora

Quia hora arcus semidiurnus minus
punctis ecliptice respondentibus q arcus
semidiurnus equatorialis q ff. ergo q
diurnus est equalis omnis eadem hore
asensionali ad eadem puncta altus
ti

Vel quia arcus diurnus sublatus de 360
gradus arcu nocturno relinquit

Quia quadrans gdy equatoreus in hora quasi
hora ista super orizontem oriuntur

Quadrans hore asensionalis in gdus
set reducatur ad minuta et duplatur
ly et in quo venit venit ista hora
subtrahenda a sex horis vel addenda ei

Quia in regionis quales occidentis obliquis
brite et Zodiacus et equinoctialis rectis
ratione obliquo ad stellas septentrionales
rectum ad meridiem

Gradus orientis alicuius astri punctus ecli
ptice qui oritur stella oriente et eadem
gradus ascensus puncti ecliptice
quod stella oriebatur oriebat vocatur
pro diversa hora v. 4 et 5 et dicitur
ly v. 1. in eum ffa obliqua stella
latitudinis arcus sed ecliptice ff rum

in ly
dicitur
aliquando
translatum
de ortu et
occasu signo

fres Jdm longitudines ſit poſitus et
oriebat ſtella aut latitudines ſigh
keonalis hyrtoz Jdem ſpam orie
gluget pgrenus aut oriebat Jdm ſuo
n qua ſ. quod ſi latitudines ſuo
dinalem haberet tuedy oritur et
Derlorig oriebat Jdm longitudines ſuo

Reſolucio prie Racionis

Deus mundi dicebam domus deſtingue
ſunt fruma et ſtabiles ſi Jdem dixiſſem
ſtam opinionem quod ſunt fruma et ſta
biles ſo quod ſunt aſpi domui deſtingue
dor ſi domus ubi ſunt ſtabiles ſo ma deſtingue
ſtatis naturalis fruma et ſtabilia

Quinque ſbat ſi ſtelam rem ſi aſtro
mundi ſi determinate ſi duo plura ſum
dicere ſi aceruſ ſolidi mundi gtinue
Derlmanſ ſol ſunt vacuabiles

Quod ſo dicendum non dubito pte
ſi opinio vide

cramlus
ctmant

dicendo aum
ſimidiatum

1 2 2

Circa Vicesimum probleuma Dicit ptolo
m to dñi

Quecumq; fanatici sunt sm fictum
fratores ad promissiones q nō pt abs
regnosci nisi q nr̄ubum poscimus

Cognita ēm elevatione poli sup nr̄ubu
posset in q̄ cast fratior quisquam
fictura et arcus equatorialis nr̄ubi vas
rudens vel rondescendens arcui scripto
qui d nūd fratorem et q̄missorem

Communis d aplicatio tortissima
hermes

Pp Sm longitudinē qui q rectā dia
rem stellarum q̄dratice venus mer
cur hus q polos zodiaci
Conclusio fit triplex q̄ talis nubes tangit vel gradu
zodiaci sm qd mensuratur longi
tudo zodiaci
esta sumpe ex tabulis motuū

Secdo sm longitudinē et latitudinē
qui ex motu nubis q̄luatur

Tertia qui fit q nubes q polos mundi
q̄nubes sed d mediantes

Terno qui plures generent in nr̄ubo positas

Circa .51.

Planete nō tm̄ mittunt ꝑ corpora ꝟ ma
ꝑ radios suos radiationis & aspectus

Unde Radiatio sive grecis radiorum
est aliqua quam emittit pyramidis radios
prius planete ad aliquid punctum orbis ei
ꝟ̄ sit punctus in quo radius hujus
pyramidis terminatur lonis ꝑfectionis radi
orum, & qz ol stella suas orbicularitas
diffundit radiationis, cuius pyramidis
stella ē quasi basis vo pyramidis est
ꝟ̄ centrum radiationis & tanz stella
ꝟ̄ hujus latitudinis suas radiationis diffe
rit orbicularitas, ut ssit ē, & si qua
stella latitudinem haberet maiorem
vo debet radius sua exagonus aliquas
ꝑ ꝑ̄ ꝑ̄ ꝑ̄

Eadem sunt sinistre que dicuntur superiores
Graues grutantes alti aut sunt depte que
ge sequentur significant numerantur vt
Ve in ii ℞ Ve sinistre ab ead aut
℞ Ve in iii ℞ Ve dext aspicit dicitur

Dirigere no ℞ aliud quā accum ℞storis ꝛc
rubi nō locum significatoris et promissoris
inclusum dicit numerare
Significator aut ℞ stella aut rubi alicui pars
dominii habens in re ꝑquirenda vel hendā
gerenda et rememorenda vera natiuā
hominis cuncta vel domus decima sue
honores fame exaltaciones magisterii signi
ficare dicitur Assirdens vo sine corpi
et ea que corpori adhedunt sic in retrolis
intellegas promissor vo coram vocis rubi
appellatur hoc futurum aliquod acci
dens sue bone sue male querendo et
applicacionis significatoris ad quē vel stellā
vel planetā non solum ℞ corpus stellā
in recto loco figure sed male in locis illis
que aspiciunt et inherent sic aliquid ℞
emittunt vel colligere ex vo 18 ptolomei

Significator diei actuus passus
de esse domus horoscopi et signi zodiaci
quod sunt minus actuus qz alter sit humanus et
signatus

Actuus dicit quod dicens audet grauis sed in
pedibus audet sanus ridigrad pulsat
hz bella vexas vapulas vorabis
hz inglorius vadis

Quidam dicens suis archidiaconalis vadis domi
mi qz hz sing domus vbi vadit signi in ea
inuenit et vorabit alimentis

Quartus dicens stratoz vadis aspectus ad pse
ra in domus vbi talem vadis grauis

planeta alimentis dicens principalis stratoz

Ad habendum aferesim vetam ad
altitudinem planete subtrahe 180 qdo ab
aferesim vesta planete si potes si lo
cum addi 180 aferesim vesti planete
et resultabit quesitus

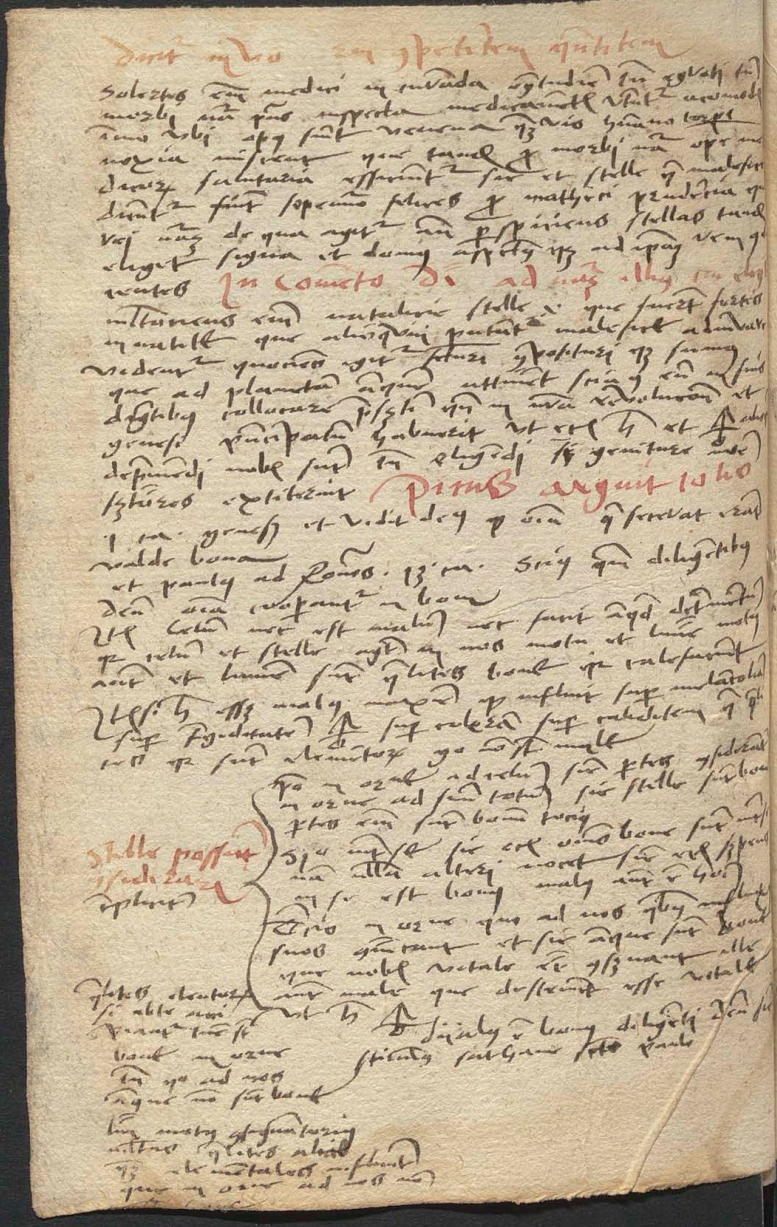
Dicit qz hz
in latitudi
ne sis pla
nete pote
plus
dicit et
declinabit

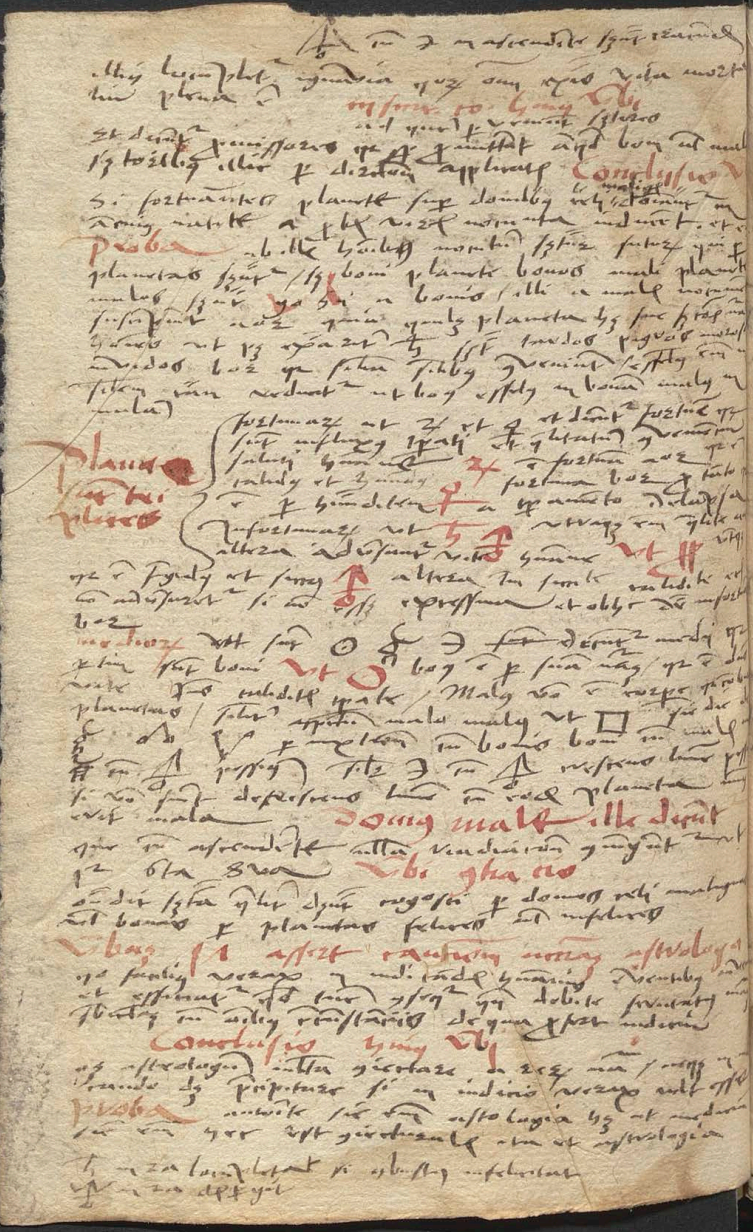
Quibus scias in directionibus quot motus
quesita tot anni incompleti sunt in directionibus
sunt sunt minuta vel scd qz gradibus si
minutis computa vnus anni incompleti
Si vel integros scd qz in anni directionis
expirati et in progressu sunt anni
post quos a capite anni sequentis incipiunt

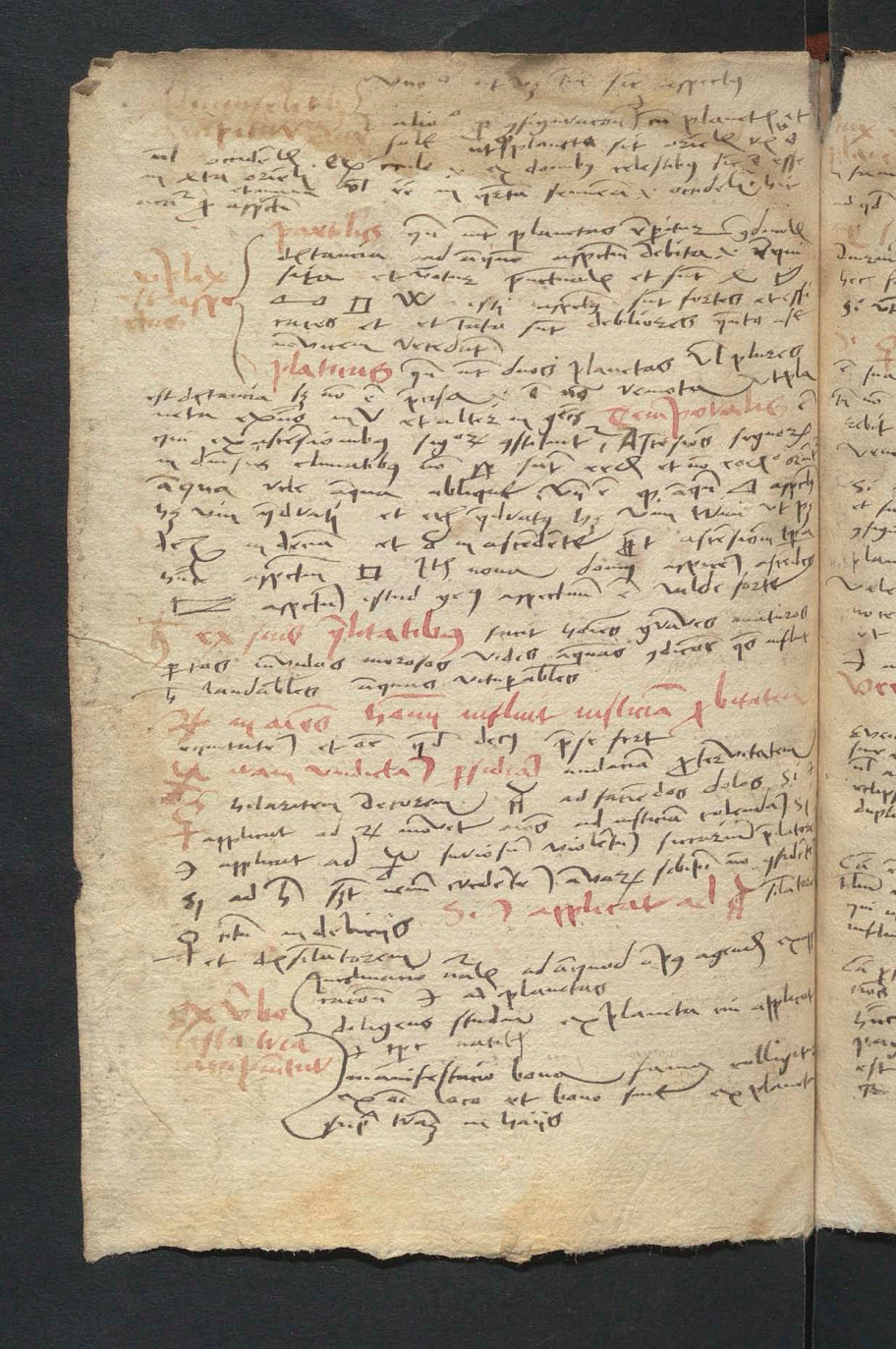
Regula directionis retrograde

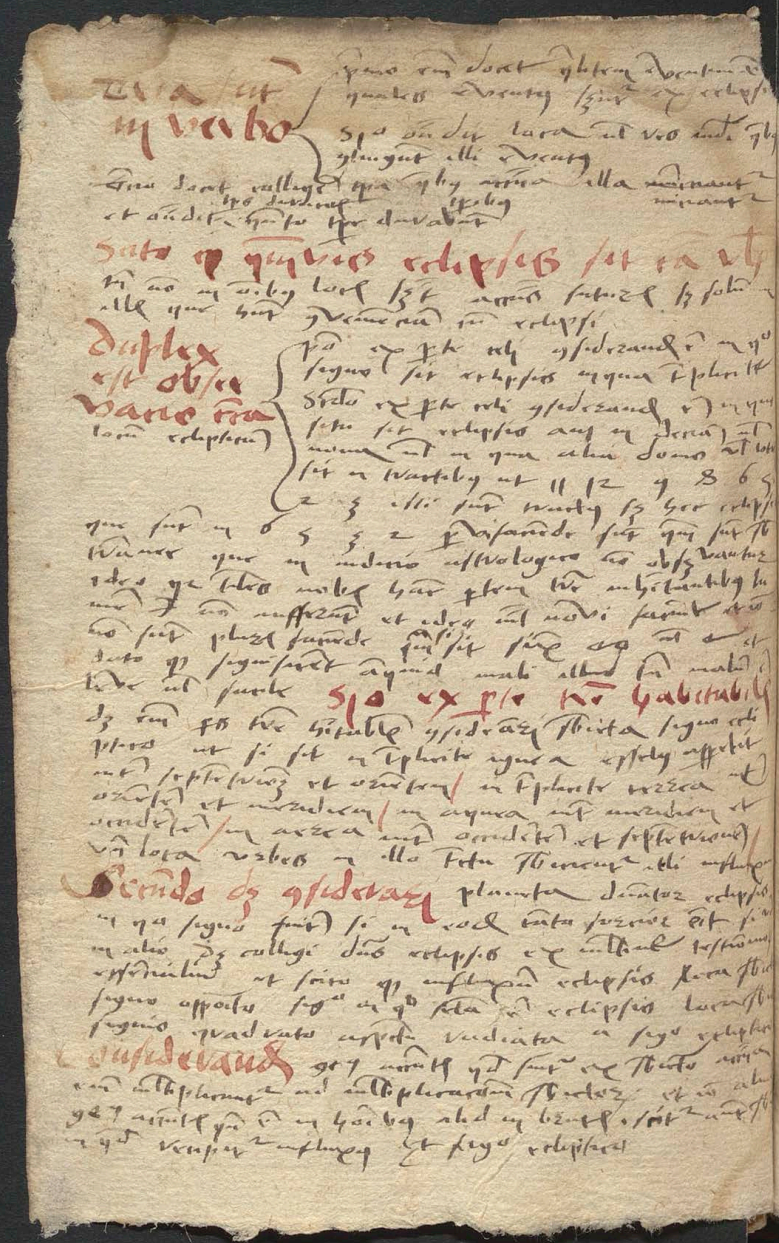
Secundum istum et primum premittere ca
pitula sunt aferentibus De diferentiis
stratoz subtractis tamen aferentibus et
diferentibus premittere de aferentibus et
diferentibus stratoz et manibit arg ylech

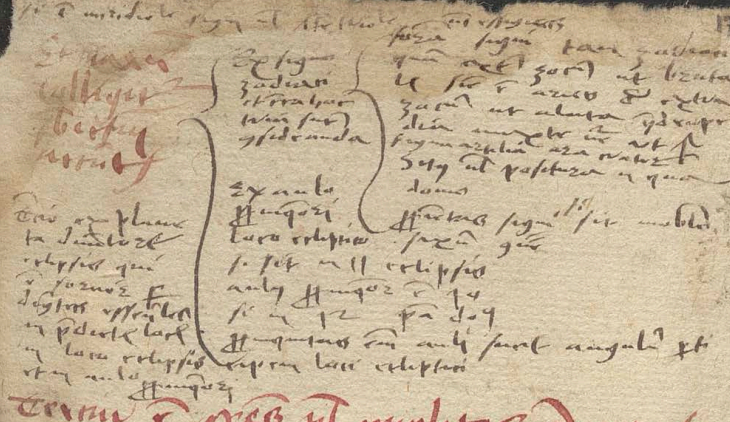
Conclusio









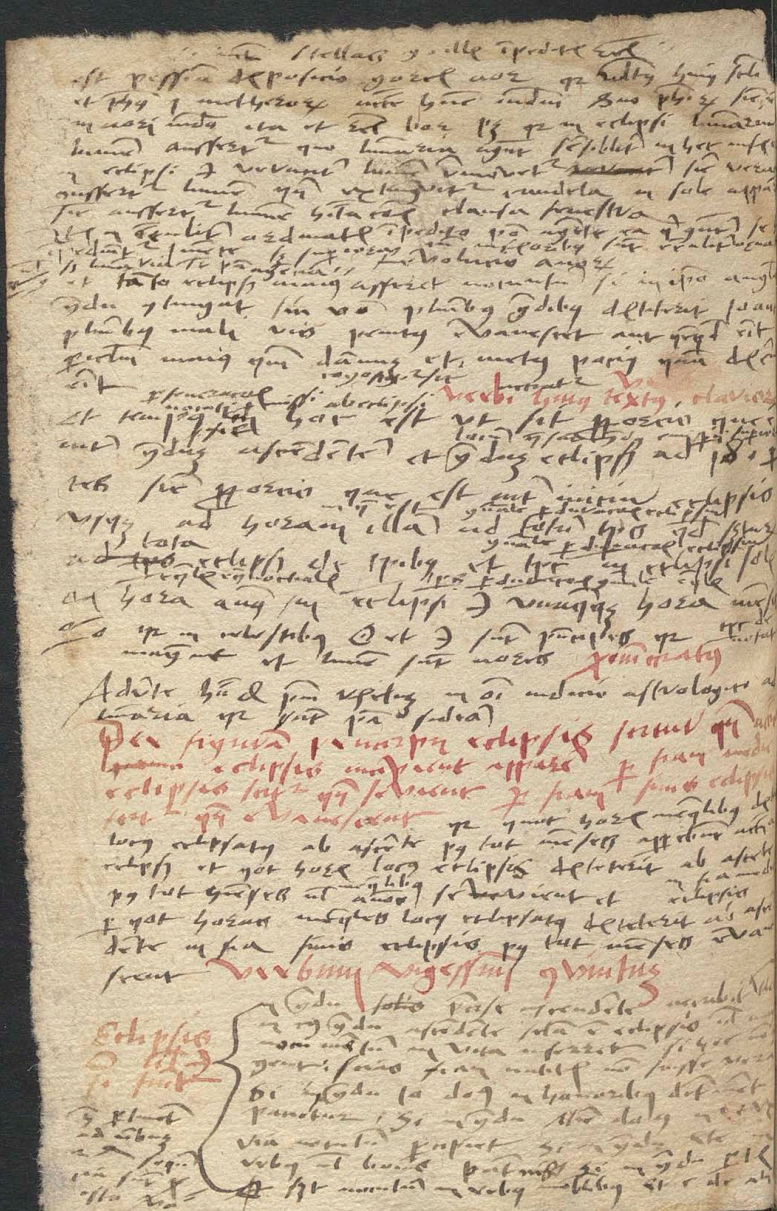


Trinus & spes ut quadratus aduersus se

Tempus quale effectus apparibus eclipsi

Sedes tempus & tempus interpositi effectus

Quadratus lunae ad Saturnum aspectus



Continuacio vii 25

Conclusio eiusdem vigesimi

cap. 30

cap. 31

cap. 32

Vide

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