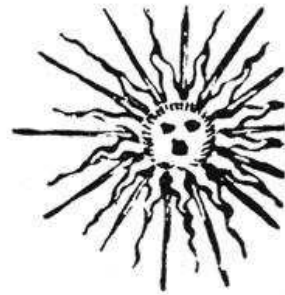


# Marine Astrolabes Catalogue

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Nicholas Budsberg



ShipLAB Report **16.2**  
June 2018



# 1 Introduction

Astrolabes were probably developed in Roman Egypt and probably simplified and adapted by the simple calculation of latitude in Portugal, during the 15<sup>th</sup> century. They are part of the intellectual revolution of the Renaissance and are linked to the development of larger and sturdier ships in Europe, which were used to explore, describe, and map the planet in the following centuries.

The present catalogue is a work in progress, and presents a compilation of the known marine astrolabes, and a continuation of Alan Stimson's work.

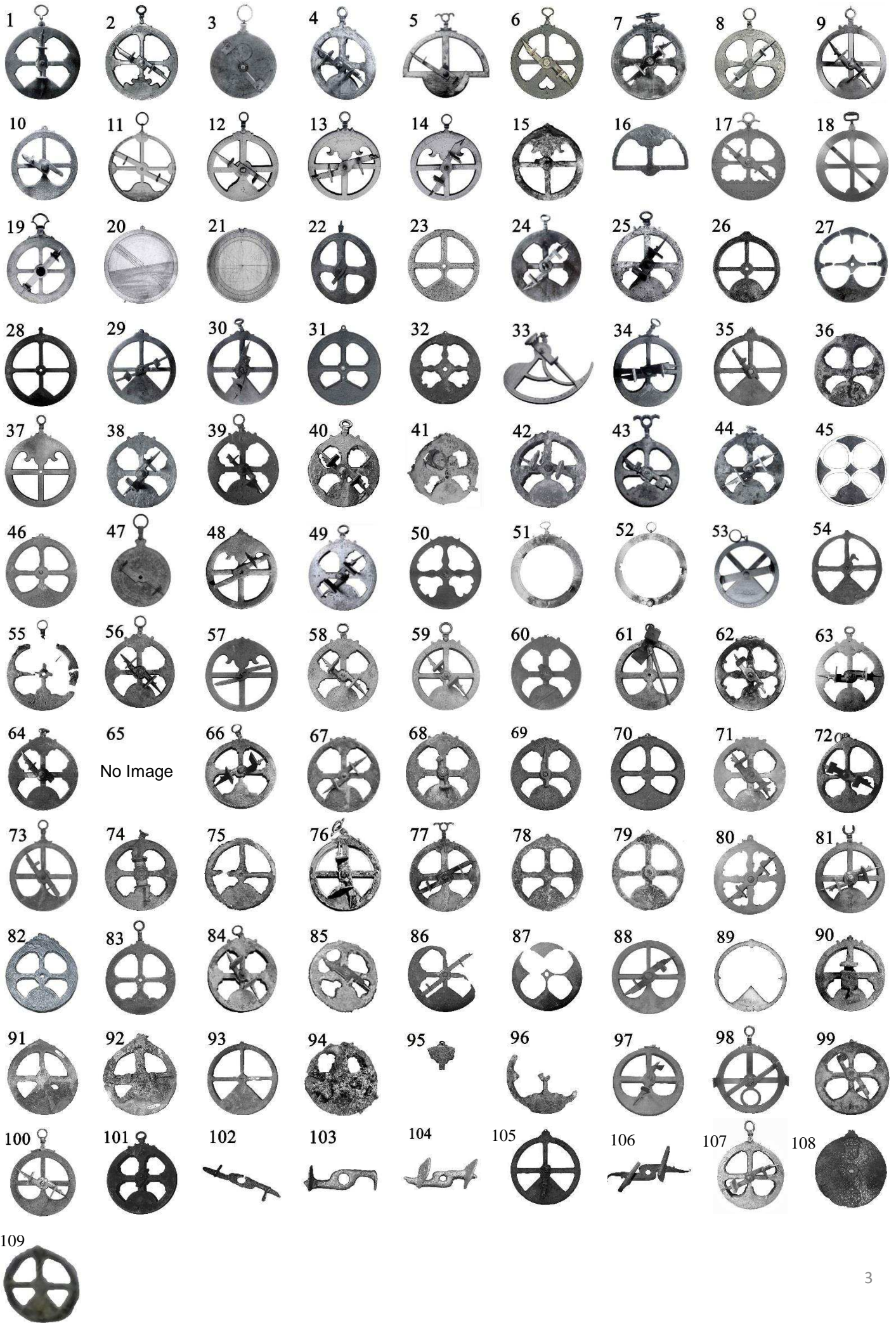
We have compiled a list of the known astrolabes and made a database with relevant information for the study of the growing collection of marine astrolabes. Since Stimson's 1988 publication we have compiled some new specimens, and we have information on another three in Portugal, two in the south and one in the north of the country, one in Brazil, and perhaps another one in the USA. We hope that the publication of this list encourages private collectors to contact us at Texas A&M University and help us inventory, study, and share all the existing marine astrolabes. Some of the information presented in this catalogue has been recently published in the *Journal of Maritime Archaeology* and in the *International Journal of Historical Archaeology*.

The authors want to thank a long list of people from around the world, without whose help it would have been impossible to put this catalogue together.

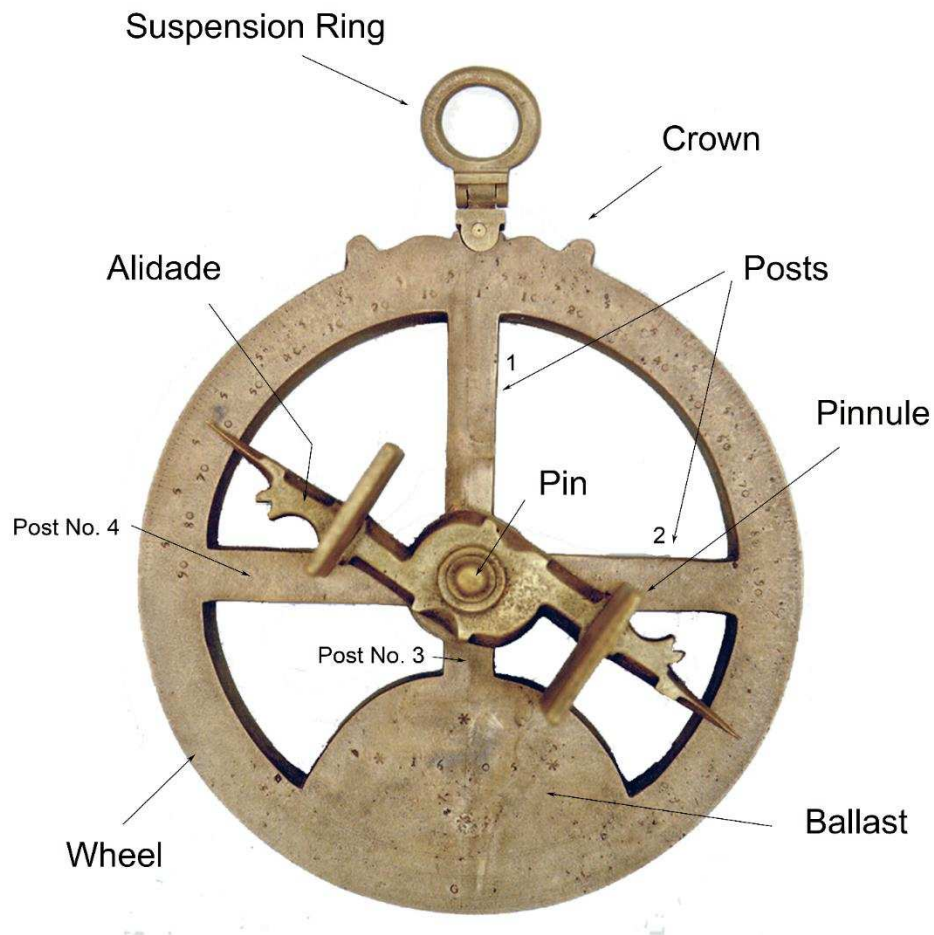
## References

Budsberg, N., Jobling, J., and Castro, F., 2016. "Rio Grande do Norte Astrolabe" *International Journal of Historical Archaeology*, 20.2 :405-421.

Castro, F., Budsberg, N., Jobling, J., and Passen, A., 2015. "The Astrolabe Project," *Journal of Maritime Archaeology*, 10.3: 205-234.



# 2 Terminology



Marine astrolabe SJB III, dated to 1605 and signed with a “G” found on the shipwreck site of the Portuguese merchant ship *Nossa Senhora dos Mártires*, lost in 1606 at the Tagus mouth, Lisbon, on a return trip from India (No. 81).

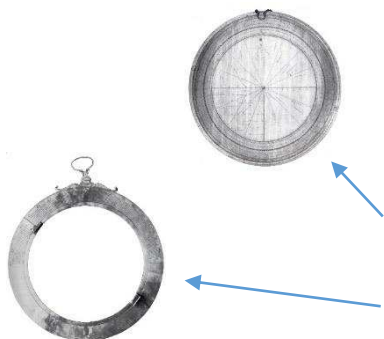
A substantial portion of the known surviving marine astrolabes has been recovered from shipwrecks and is eroded, making their identification and provenance difficult to establish. We are currently studying the shape, style and marks of all known marine astrolabes, trying to establish a basic taxonomy and chronology of the known shapes and decorations. Early studies divided astrolabes into three main categories:

Type	Sub-type	Description
I	a	Wheel type with base ballast
	b	Wheel type with crown ballast
II	a	Semi-sphere with base ballast
	b	Semi-sphere with crown ballast
III		Wheel type without ballast



By 1988 there were 65 known astrolabes and Alan Stimson published a book with a more complete taxonomy, which considered five main stylistic types:

Type	Sub-type	Description
0		Solid disk
I	a	Wheel type with base ballast
	b	Wheel type with crown ballast
II	a	Semi-sphere with base ballast
	b	Semi-sphere with crown ballast
III		Wheel type without ballast
IV		Planisphere for marine use
V		Concentric ring type



We now we have over 100 specimens and we feel the need to subdivide the five main stylistic types further:

Type	Sub-type	Ballast Shape	Post Top	Throne
0 – Disk	NA	NA	NA	3 – Ogee
				4 – Complex
I – Wheel	a – Base ballast	1 – Triangular	1 – Simple	1 – Simple
			3 – Concave-stepped	1 – Simple
			3 – Concave-stepped	1 – Simple
		2 – Concave	1 – Simple	3 – Ogee
			1 – Simple	3 – Ogee
		3 – Concave-stepped	3 – Concave-stepped	1 – Simple
			3 – Concave-stepped	3 – Ogee
		4 – Semicircular	1 – Simple	3 – Ogee
			3 – Concave-stepped	
		5 – Convex-concave	1 – Simple	3 – Ogee
			3 – Concave-stepped	
			4 – Convex	
			5 – Complex	1 – Simple
				3 – Ogee
		6 – Complex	3 – Concave-stepped	1 – Simple
				3 – Ogee
			5 – Complex	1 – Simple
	3 – Ogee			
	b – Crown ballast	6 – Complex	1 – Simple	3 – Ogee
II – Semicircle	a – Base ballast	2 – Semicircular	1 – Simple	3 – Ogee
	b – Crown ballast	3 – Convex-Concave	1 – Simple	?
III – No Ballast	NA	NA	2 – Triangular	?
			5 – Complex	1 – Simple
				3 – Ogee
IV – Planisphere				4 – Complex
V – Ring				1 – Simple
				3 – Ogee

All known astrolabes have a number, originally attributed by Stimson, at the National Maritime Museum in Greenwich, England, and a name. We coordinated with him to continue the inventory. The main interest of our study is to inventory all known marine astrolabes and present them in an organized manner in order to encourage the publication of eventually unknown specimens. We have information on at least another three specimens in private collections, in Portugal alone.

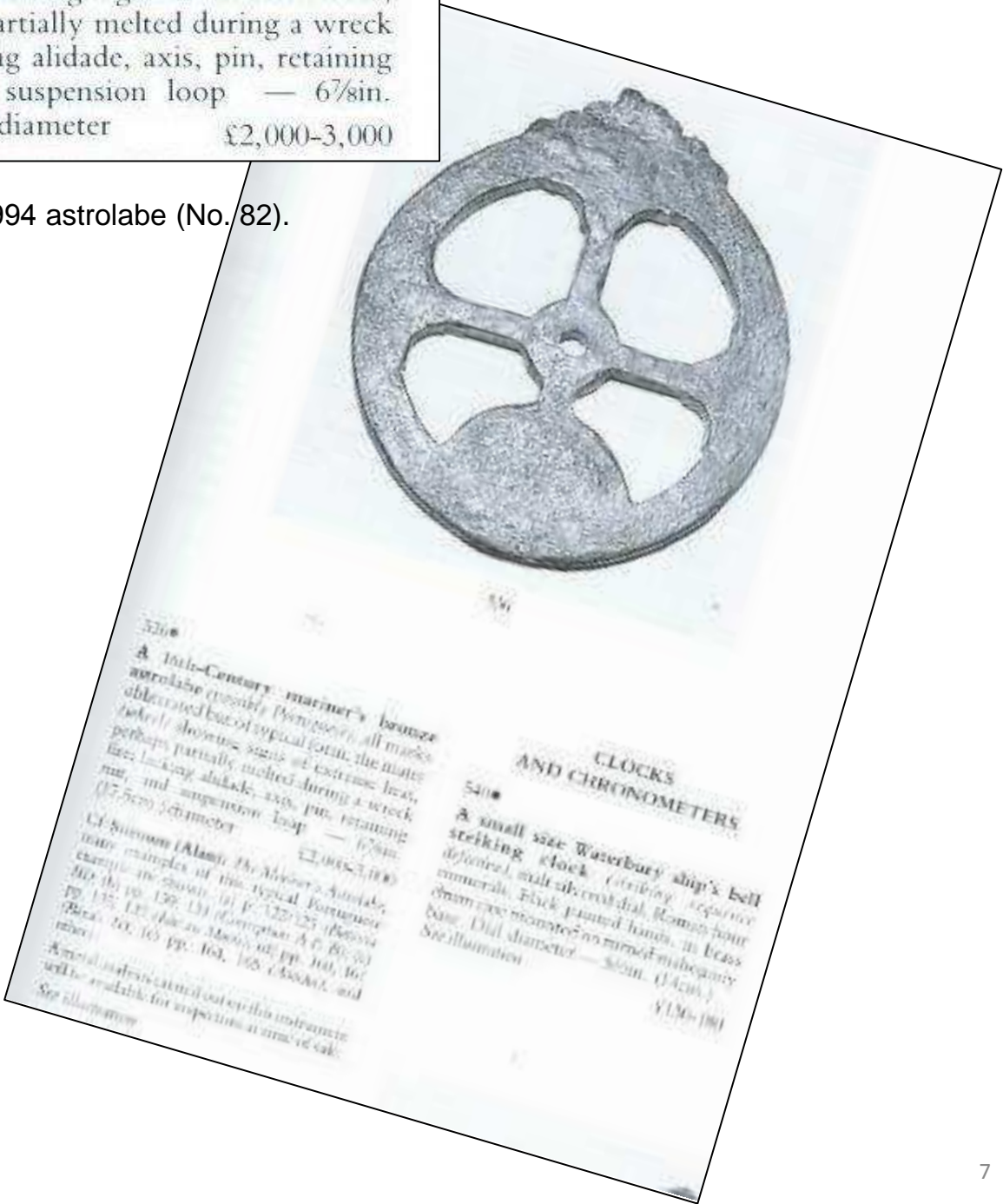
A second objective is to create a frame that may help identify and establish provenance of eroded astrolabes, or astrolabes with unknown origin.

A third objective of the present study is to help establish easy rules for the determination of the authenticity of new astrolabes. These instruments fetch at auction values between \$30k and \$50k, and fakes sometimes surface in the antiques markets.

We have decided to include the Christie's 1994 astrolabe in this inventory, although we are not sure about its provenance. Without a closer inspection it is difficult to say whether it is genuine, or a fake, like the Christie's 2013 astrolabe, which from the picture published seems to be a crude copy of an astrolabe found in Cuba in the 1990s.

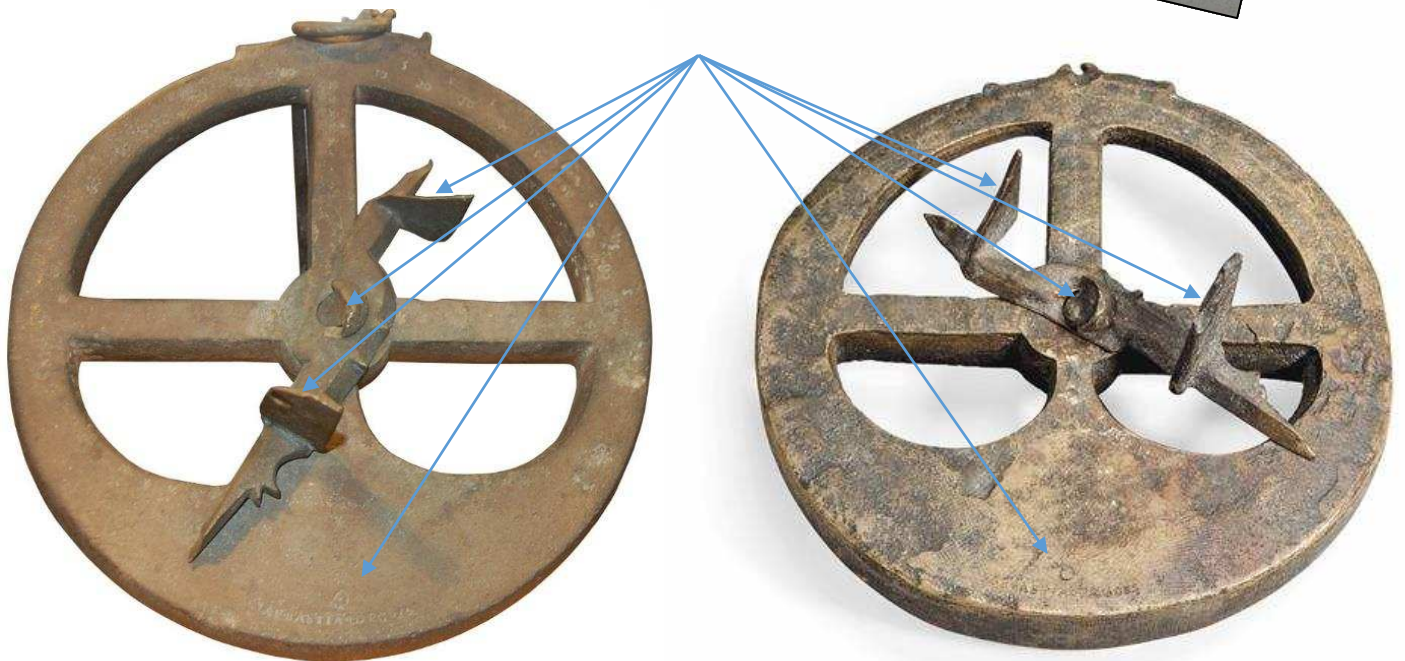
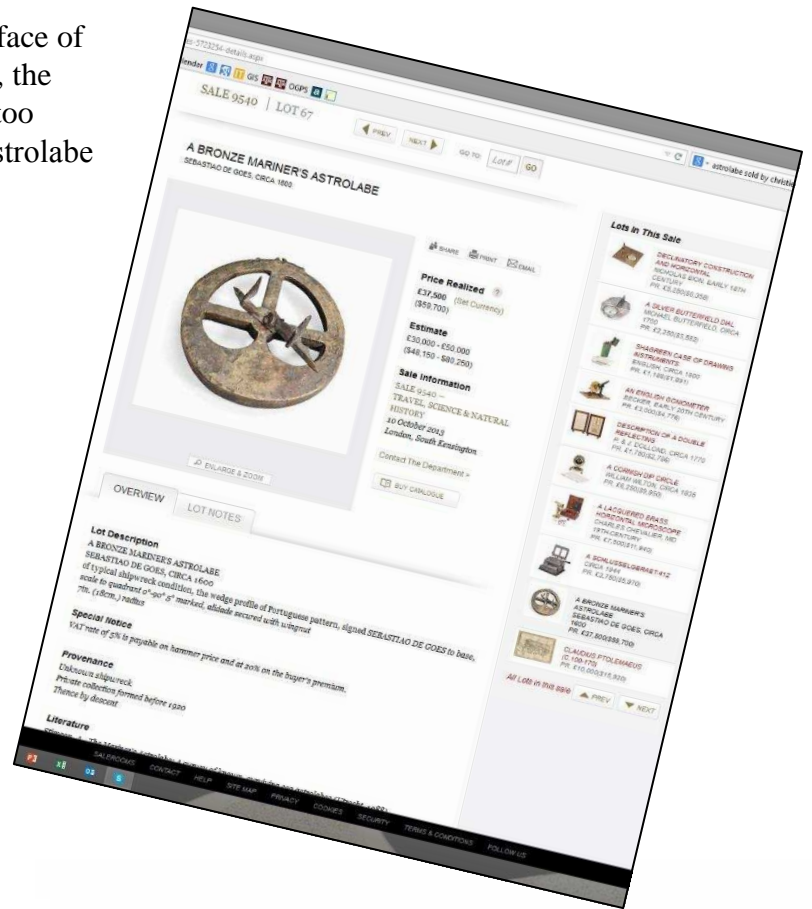
536●  
**A 16th-Century mariner's bronze astrolabe** (possibly Portuguese), all marks obliterated but of typical form; the mater (wheel) showing signs of extreme heat, perhaps partially melted during a wreck fire; lacking alidade, axis, pin, retaining nut, and suspension loop — 6<sup>7</sup>/<sub>8</sub>in. (17.5cm.) diameter £2,000-3,000

Christie's 1994 astrolabe (No.82).



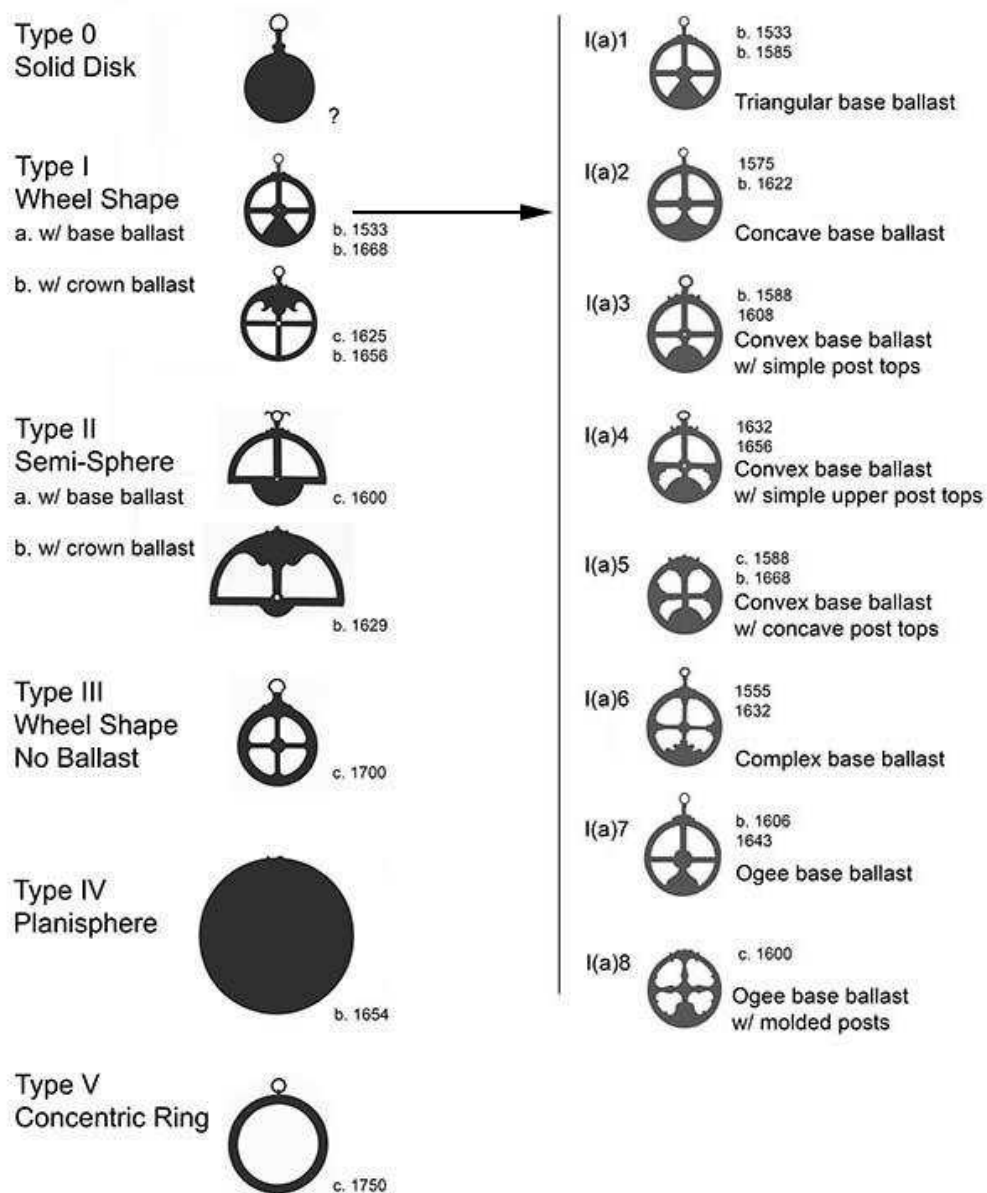
Astrolabes were precision instruments: an analysis of the two specimens suggests that the one on the right is a crude copy of the Francisco Padre II astrolabe (No. 97), which was recovered in Cuba, at the Francisco Padre shipwreck site, in the 1990s. The provenance indicated by the auction house Christie's is "private collection, formed before 1920." It indicates that the price realized at auction was \$59,700.

As far as we can see in the picture, the surface of the auctioned astrolabe is crudely finished, the wheel crudely casted, and the similarities too many to suggest that the Christie's 2013 astrolabe presents the same fractures by accident.



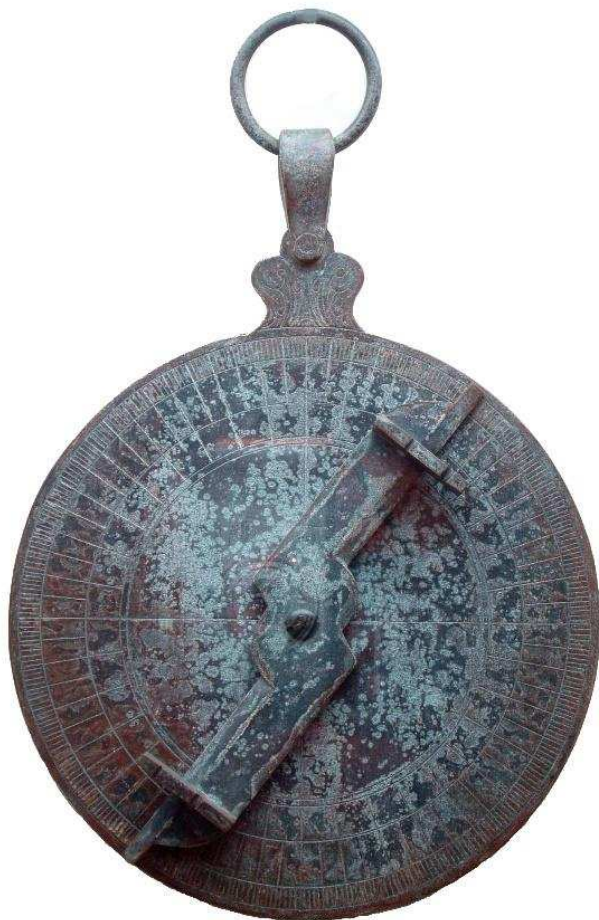
# 3 Taxonomy

In the following pages are indicated some preliminary notes that we hope will explain our project and the known astrolabes are grouped along the taxonomic divisions proposed and preliminary timelines are proposed. We expect this section to expand in following versions of this report.



## Type 0 (c. 1500?)

Solid disk



Las Palmas astrolabe, No.47, not dated, but perhaps one of the earliest known. There are doubts relative to the stamped numbers, which look modern.



10 cm

Al Allaniyah astrolabe, No.108, not dated, but certainly the earliest known. It was found on the shipwreck site of one of Sodré brothers' ships, lost in 1503.

# Type 1a1 (b. 1533 to b. 1585)

Wheel shape (1), base ballast (1a), triangular ballast (1a1)



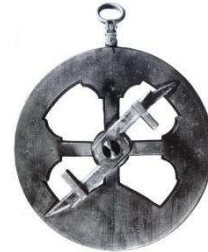
b.1533 Bom Jesus I



b.1533 Bom Jesus II



b.1533 Bom Jesus III



1536 Arts et Metiers I



1540 Palermo



1545 Padre Island III



1550 Padre Island II



1550 Padre Island I



b. 1554 S. Bento



1555 Ines de Soto I



b. 1585 Santiago

# Type 1a1 (not dated)

Wheel shape (1), base ballast (1a), triangular ballast (1a1)



? Vera Cruz



? Colombian



? Shiel



c. 1550 Bermuda



? MIA



? Cadis IV

# Type 1a2 (1575 to b. 1622)

Wheel shape (1), base ballast (1a), concave ballast (1a2)



1575 Aveiro



b. 1588 Girona II



1593 Funchal



b. 1610 Madre de Deus



1616 Atocha V



b. 1622 Seahawk IV



b. 1622 Atocha I

# Type 1a2 (not dated)

Wheel shape (1), base ballast (1a), concave ballast (1a2)



? Mounts Bay



a. 1578 Francisco Padre I



a. 1578 Francisco Padre II



? Tenerife



? No. 107. Tenerife

No ballast. Type 1a or Type 3? (not dated)



? No.22. Lyme Bay

## Type 1a3 (b. 1588 to 1608)

Wheel shape (1), base ballast (1a), convex ballast, simple post tops (1a3)



b. 1588 Girona I



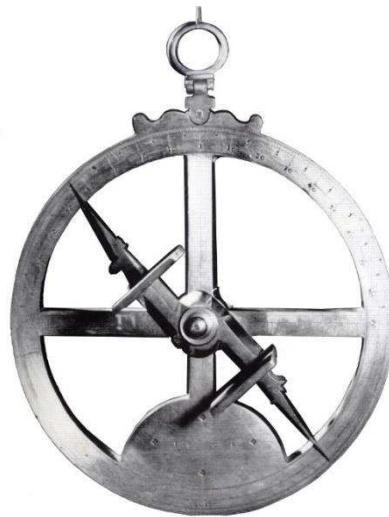
b. 1600 San Diego



1605 Atocha III



1605 SJB III



1608 Florence

## Type 1a3 (not dated)

Wheel shape (1), base ballast (1a), convex ballast, simple post tops (1a3)



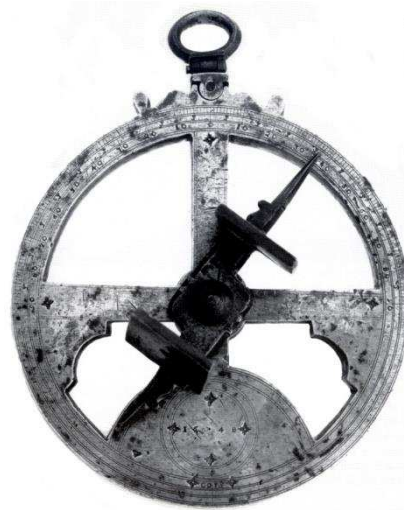
? Crocker Reef

## Type 1a4 (b. 1641 to 1656)

Wheel shape (1), base ballast (1a), convex ballast, simple upper post top (1a4)



b. 1641 Concepcion C



1648 Coindreau



b. 1656 Rio Grande do Norte

## Type 1a5 (1568 to b. 1668)

Wheel shape (1), base ballast (1a), convex ballast, concave post tops (1a5)



1568 Isle aux Morts



c. 1588 Valencia



1602 Manila



1602 Banda II



1602 Lucayan I



b. 1606 SJB I



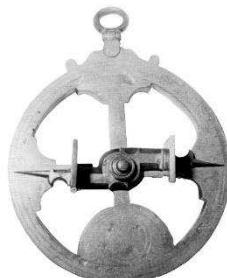
b. 1606 SJB II



1616 Atocha II



1616 Atocha IV



1616 Rincon



1619 Concepcion A



b. 1622 Sta. Margarita



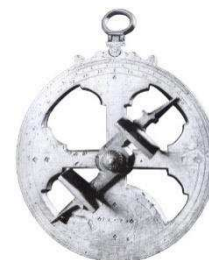
b. 1622 Seahawk I



b. 1622 Seahawk II



b. 1622 Seahawk III



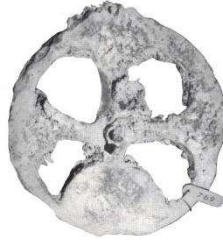
1642 Sta. Escolástica

## Type 1a5 (1568 to b. 1668)

Wheel shape (1), base ballast (1a), convex ballast, concave post tops (1a5)



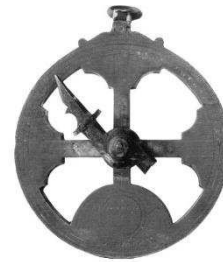
b. 1629 Batavia III



1641 Concepcion B



1645 Passa Pau



1648 Cadiz I



b. 1668 Sacramento A



b. 1668 Sacramento B



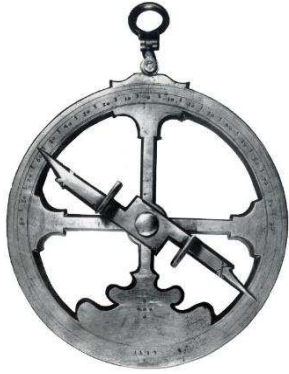
? Christie's 1994



? Cadiz III

# Type 1a6 (1555 to 1632)

Wheel shape (1), base ballast (1a), complex shape (1a6)



1555 Dundee



b. 1565 Red Bay



1568 Banda I



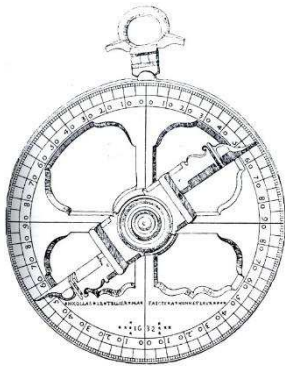
1568 Liddy



1593 San Martin



1617 Isle aux Morts II



1632 Caudebec



? Museo Naval

# Type 1a7 (b. 1606 to 1626)

Wheel shape (1), base ballast (1a), ogee shape (1a7)



b. 1606 Nassau



1616 St. Andrews



1626 Skokloster I



? Zacharchuk



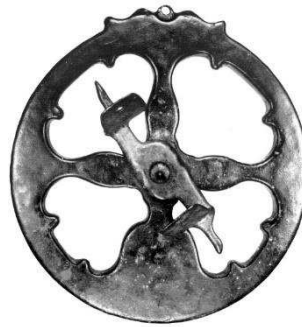
? Ile Brehat II

## Type 1a8 (c. 1600)

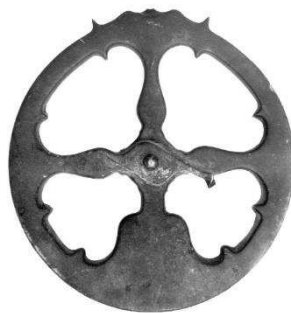
Wheel shape (1), base ballast (1a), complex shape (1a8)



c. 1600 Mewstone



c. 1600 Huelva



? Ericeira



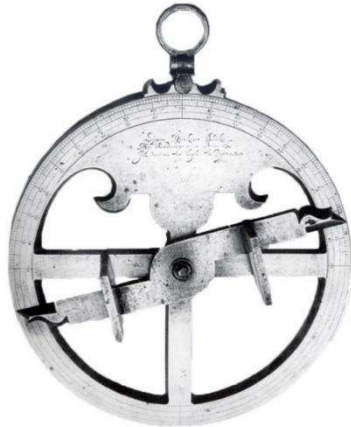
? ARS

## Type 1b (c. 1625 to b. 1656)

Wheel shape (1), crown ballast (1b)



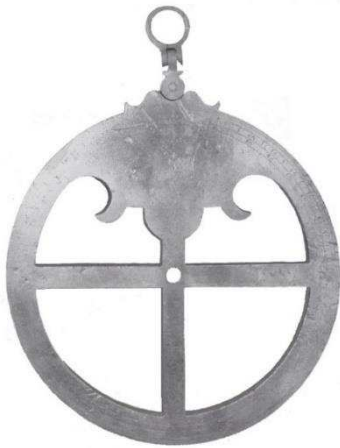
c. 1625 Isle of Wight



c. 1626 Skokloster II



c. 1626 Skokloster III



1628 Batavia IV



b. 1629 Batavia I



b. 1656 Vergulde Draeck

## Type 2a (1600)

Semi-sphere (2), base ballast (2a)



1600 Kronborg

## Type 2b (b. 1629)

Semi-sphere (2), crown ballast (2b)



b. 1629 Batavia II

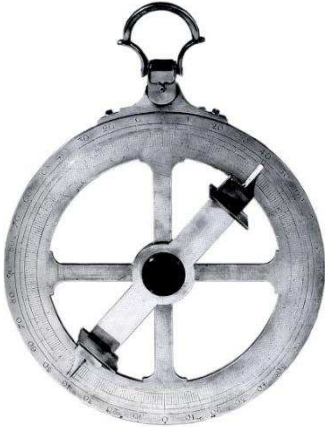
# Type 3 No Ballast



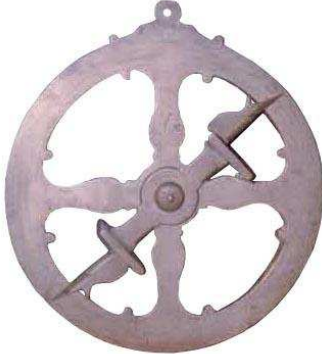
c. 1555. No.87. Ines de Soto II



1603. No.08. Champlain



c. 1700. No.19. Felix



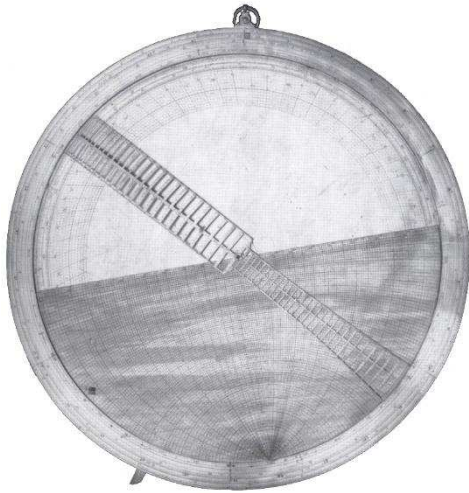
? No.80. Raza

# Type 4

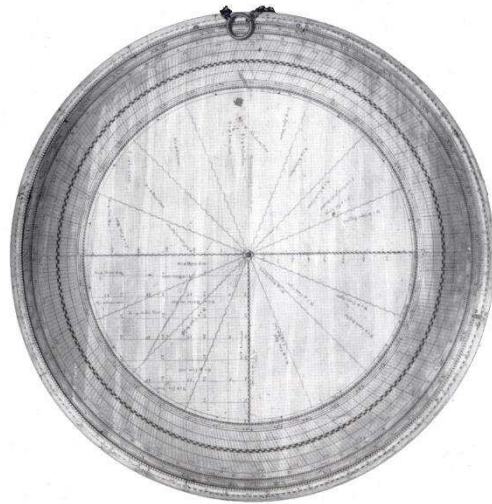
Planisphere (4)



1582. No.03. Krabbe



b. 1654. No.20. Florence I



b. 1654. No.21. Florence II

# Type 5

Concentric ring (4)

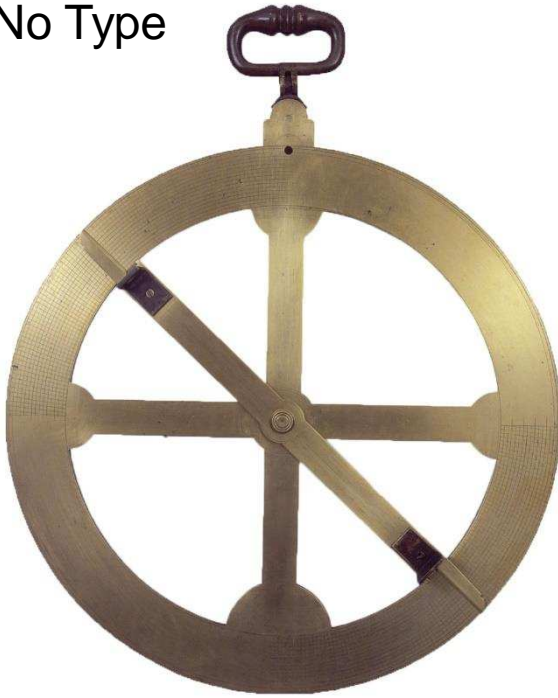


c. 1725. No.51. Madrid I



c. 1760. No.52. Madrid II

No Type



? No.18. Coimbra



1643. No.98. Delalande



c. 1600. No.33. Arts et Metiers II



c. 1760. No.53. Schoonhoven

# Alidades & fragments



? No. 104. Lady Burgess



? No. 102. Ines de Soto



? No. 103. Lucayan II



1656. No. 106. Maravillas



? No. 95. Lake Hipocee

# 4 Assemblages from shipwrecks



The Orangemund shipwreck was tentatively identified as a Portuguese Indiaman named *Bom Jesus* and lost on the coast of today's Namibia in 1533 on the way to India.



b.1533 Bom Jesus I



b.1533 Bom Jesus II



b.1533 Bom Jesus III

The Padre Island astrolabes are believed to come from the remains of a Spanish outbound ship named *Espiritu Santo*, lost on the coast of Texas during a hurricane in 1554.



1550 Padre Island I

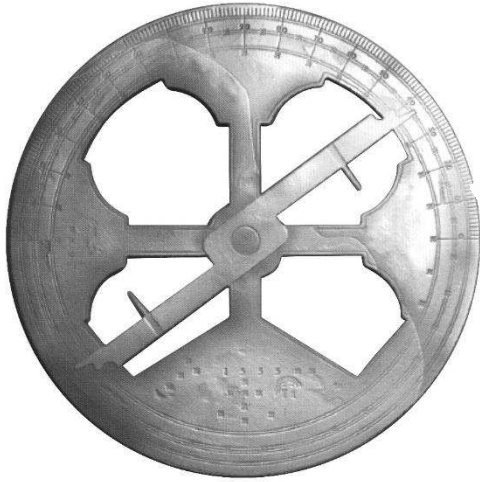


1545 Padre Island II



1545 Padre Island III

Two astrolabes from the Ines de Soto shipwreck, lost in Cuba around 1575.

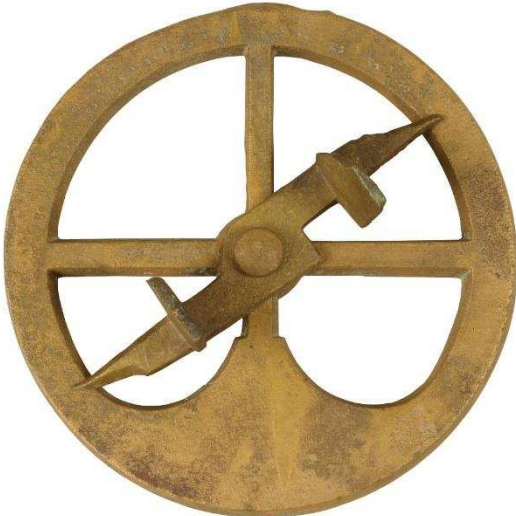


1555 Ines de Soto I (No.86)



? Ines de Soto II (No.87)

Two astrolabes from the Francisco Padre shipwreck, lost in Cuba around 1590.



Francisco Padre I (No.88)



Francisco Padre II (No.97)

Two astrolabes from the ship *Girona*, lost in Ireland 1588.



Girona I (No.26)



Girona II (No.27)

Two astrolabes from the shipwreck *Banda*, lost in the Mauritius Islands in 1615.



1568 *Banda* I (No.43)



1602 *Banda* II (No.56)

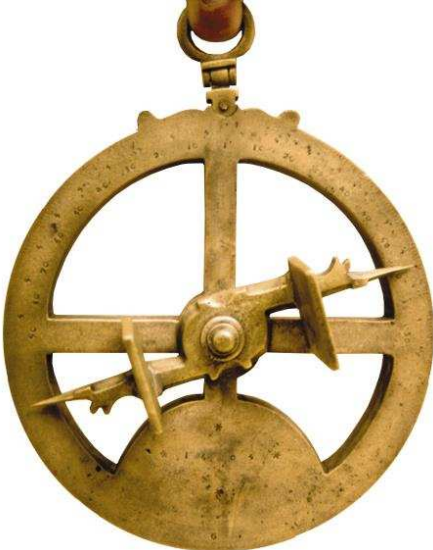
Three astrolabes found at the presumable site of *Nossa Senhora dos Mártires* shipwreck, lost in 1606 near Lisbon on its return trip from India.



? SJB I (No. 78)



? SJB II (No. 79).



1605 SJB III (No. 81)

Five astrolabes found at the *Nuestra Señora de Atocha* shipwreck, a Spanish ship lost in Florida in 1622, on its way to Spain.



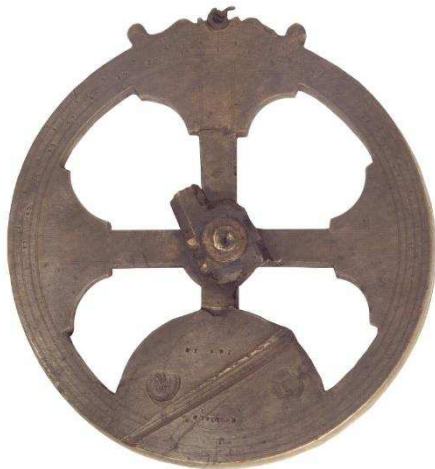
Atocha I (No. 34)



Atocha II (No. 58)



Atocha III (No. 59)



Atocha IV (No. 60)



Atocha V (No. 61)

Three astrolabes found at the Dry Tortugas presumable site of a Spanish shipwreck, lost in Florida in 1622, tentatively identified as a ship named *Buen Jesús y Nuestra Señora del Rosario*.



? Seahawk I (No. 67)



? Seahawk II (No. 68).



? Seahawk III (No. 69)

Four astrolabes from the shipwreck *Batavia*, lost in Australia in 1629.



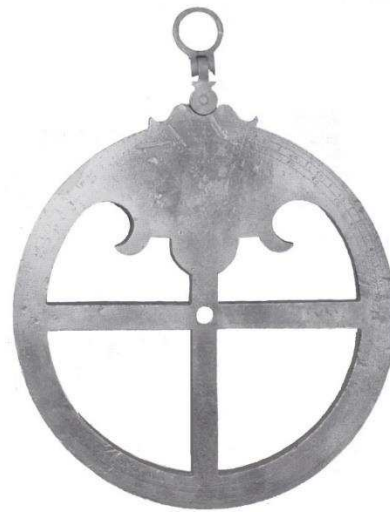
? *Batavia* I (No.15)



? *Batavia* II (No.16)



? *Batavia* III (No.36)

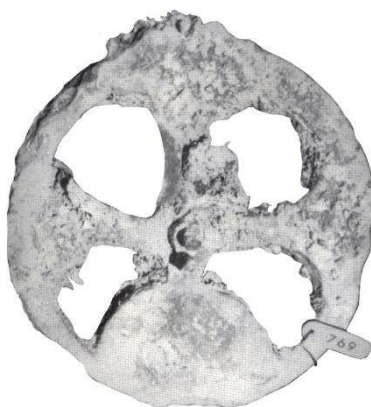


1628 *Batavia* IV (No.37)

Three astrolabes from the *Nuestra Señora de la Concepción* shipwreck, lost in the Dominican republic in 1641.



1619 *Concepción* A (No.40)



? *Concepción* B (No.41)

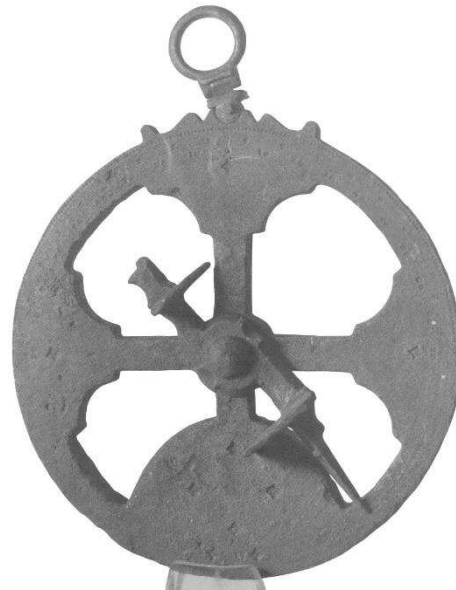


1632 *Concepción* C (No.42)

Two astrolabes from *Santíssimo Sacramento*, a Portuguese galleon lost near Salvador, Bahia, Brazil in 1668. A third astrolabe, very eroded, is said to have been found on this site and exist in a private collection.



*Sacramento* A (No.38)



*Sacramento* B (No.39)

# 5 Astrolabe makers

Some astrolabes show marks, signs, shields, and maker marks. In future versions of this report this section will address this subject more in depth.

The Gois family, a known Portuguese family of astrolabe makers is illustrated by 11 astrolabes (about 10% of all known marine astrolabes). They are marked with the words “GOIS” or “A GOYS,” or just the letter “G.” These astrolabes span a period starting in 1593 and ending sometime after 1668. All these astrolabes are type 1a and subtypes 1a2, 1a3, 1a4, and 1a5.

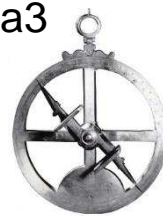
Astrolabe	Date	Mark	Diameter [mm]	Thickness [mm]	Weight [gr]
Funchal (NMM 100)	1593	GOIS	188	-	3570
Francisco Padre II (NMM97)	No date	SEBASTIAO DE GOIS			
Atocha III (NMM59)	1605	G	156	18/20	2180
SJB III (NMM 81)	1605	G	174	20/21	2843
Florence (NMM 9)	1608	GOIS	197	15	2360
Sta. Escolástica (NMM 49)	1624	GOIS	169	20/21	2950
Concepción C (NMM 42)	1632	GOIS	165	23	2638
Coindreau (NMM 25)	1648	A GOYS	161	20	2530
R.G. do Norte (NMM 90)	1656	A GOYS	166	23	2240
Sacramento A (NMM 38)	b. 1668	A GOYS	173	20	2565
Sacramento B (NMM 39)	b. 1668	A GOYS	171	20	2320

### Type 1a2



Funchal (100)  
GOIS  
1593  
Ø 188 mm

### Type 1a3



Florence (09)  
GOIS  
1608  
Ø 197 mm

### Type 1a5



Santa Escolástica (49)  
GOIS  
1624  
Ø 169 mm

### Type 1a4



Concepción C (42)  
GOIS  
1632  
Ø 165 mm

### Type 1a2



Francisco Padre II (97)  
SEBASTIAO DE GOIS  
(c. 1590)  
Ø ?

### Type 1a3



Atocha III (59)  
G  
1605  
Ø 156 mm



SJB III (81)  
G  
1605  
Ø 174 mm

### Type 1a4



Coindreau (25)  
A GOYS  
1648  
Ø 166 mm



R. Grande do Norte (90)  
A GOYS  
1656  
Ø 166 mm

### Type 1a5



Sacramento A (38)  
A GOYS  
(b. 1668)  
Ø 173 mm



Sacramento B (39)  
A GOYS  
(b. 1668)  
Ø 171 mm

The Dias family, a know Portuguese family of astrolabe makers is illustrated by three astrolabes. They are marked with the words “Y DIAS.” These astrolabes span a period starting in 1614 and ending in 1628. All these astrolabes are type 1a5.

Astrolabe	Date	Mark	Diameter [mm]	Thickness [mm]	Weight [gr]
Atocha IV (NMM 60)	1614	Y DIAS	172	20t/21b	2817
Concepción A (NMM 40)	1619	Y DIAS	175	21	2947
Isle aux Morts (NMM 44)	1628	G	172	21	2989

### Type 1a5



*Atocha IV* (No. 60)  
Y DYAS  
"16\*14" between two stars



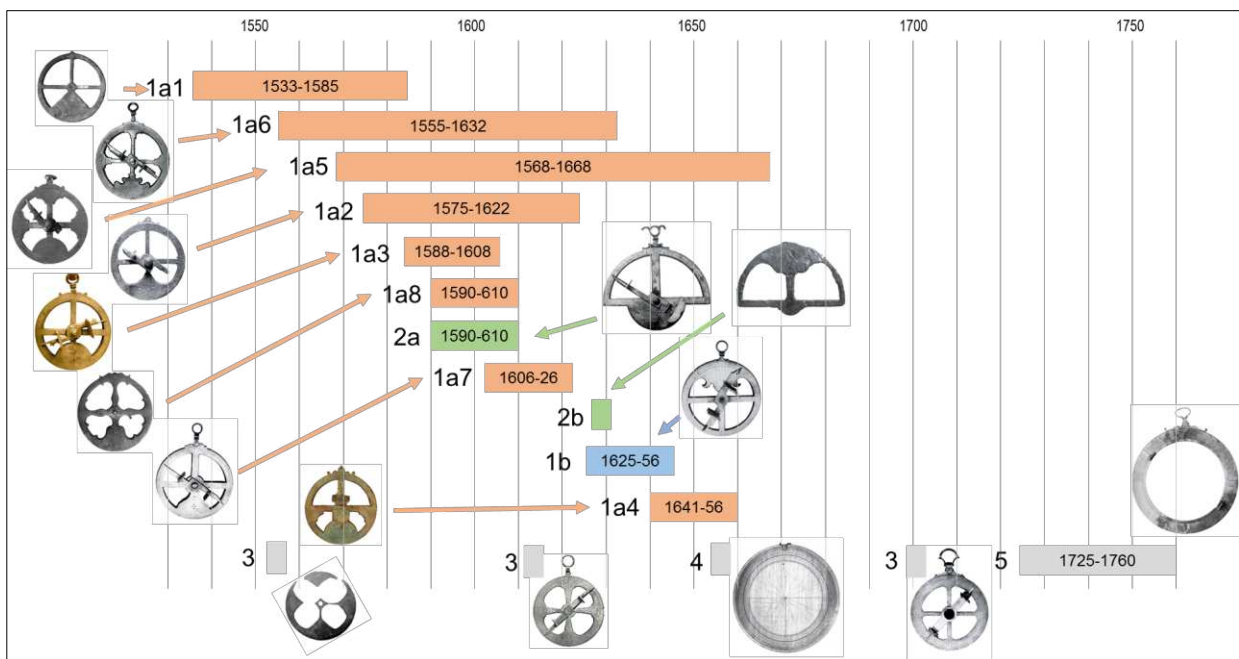
*Concepción A* (No. 40)  
Y DIAS  
16[1]9



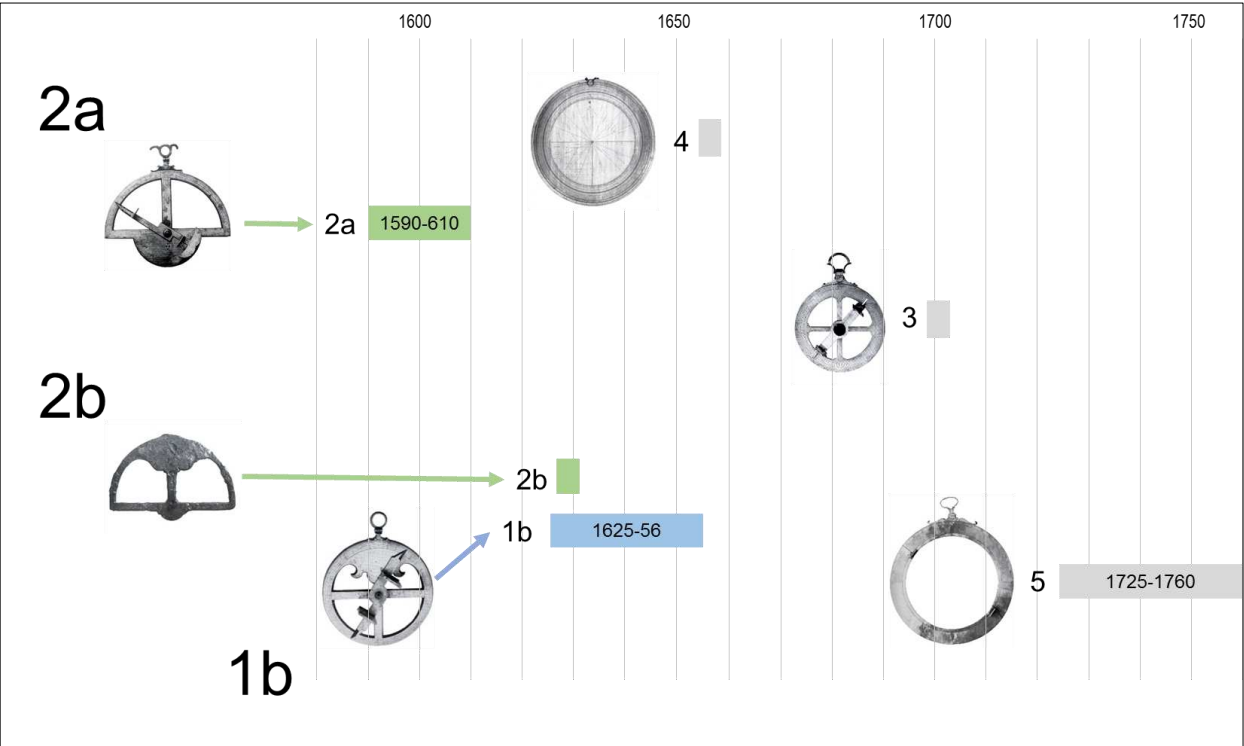
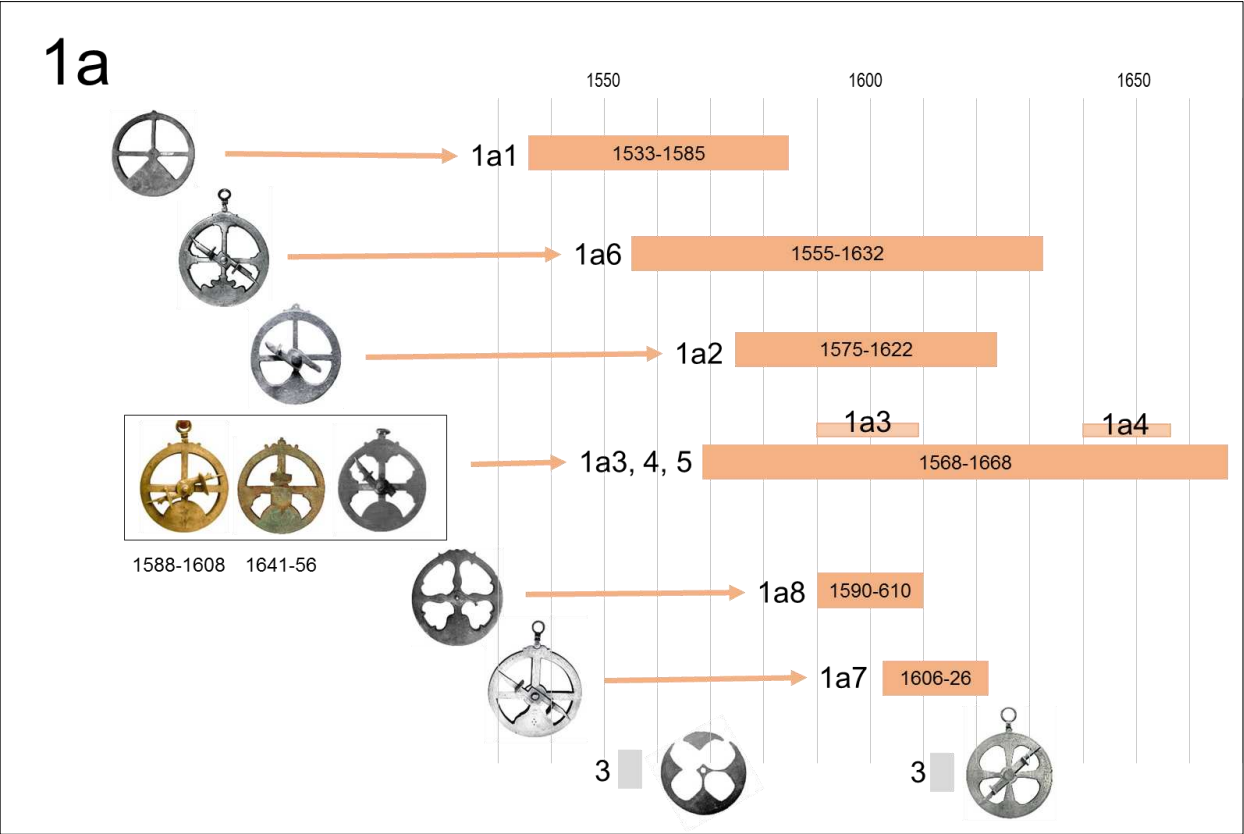
*Isle aux Morts* (No. 44)  
Y DIAS  
1628

# 6 Chronology

Even though it is important to keep in mind that the sample of marine astrolabes dated and provenance is very small, the dated astrolabes suggest a plausible chronology for the types and styles:



The chronologies presented below are tentative and provisory, and will probably change as the data set grows.



# 7 Astrolabe database

The next pages are a print out of the ShipLAB *Access* database with minor updates from the previous version. We are trying to get data from four other astrolabes, known to exist, one in Brazil (from the *Sacramento* shipwreck) and three in Portugal (two from a site at Arrifana e one found in the north of the country).



CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

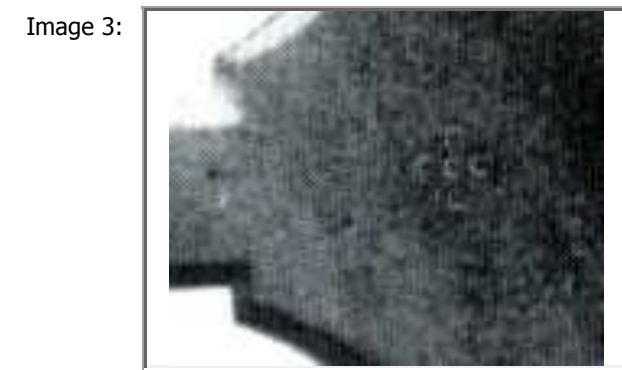
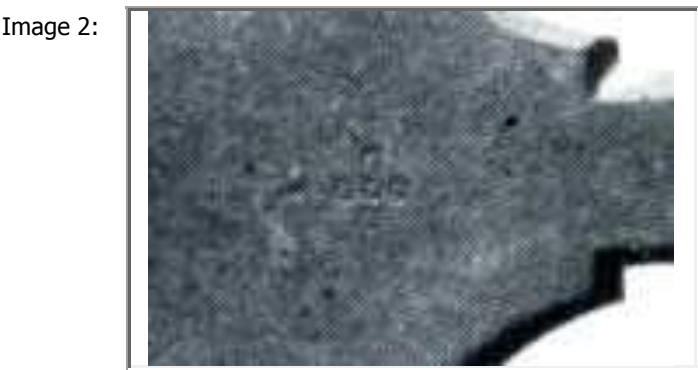
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

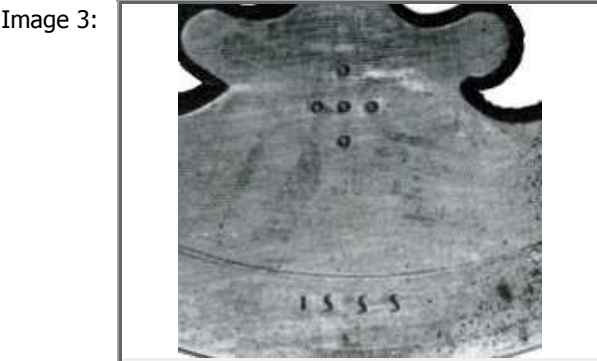
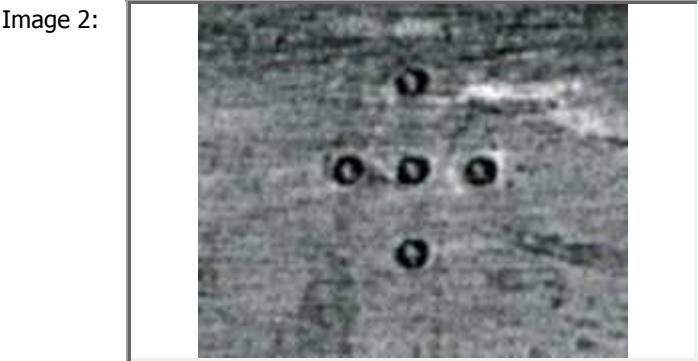
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

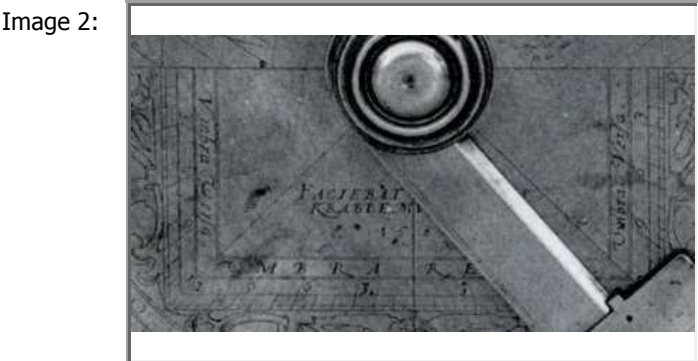
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made   
 Shipwreck  Image 1

Date Lost   
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

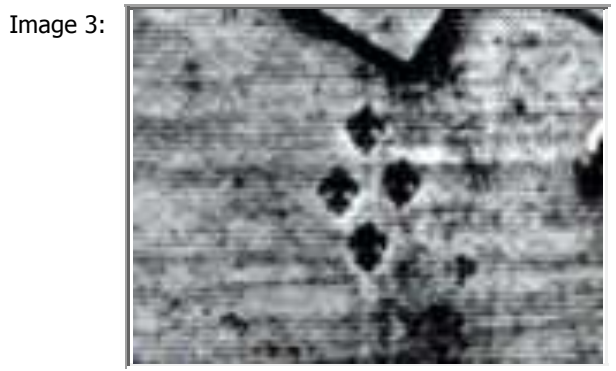
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown

Date Found

Location

Museum of the History of Science, Oxford, UK

Waters/Stimson Type

Ia1

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Inverted heart sut-out in the ballast. Marks: \* / A

Image 2:



Image 3:



Notes

Dredged from Vera Cruz harbor, Mexico, in 1903; sold to privates and then Museum of the History of Science, Oxford, England.

References

Stimson, 1988

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

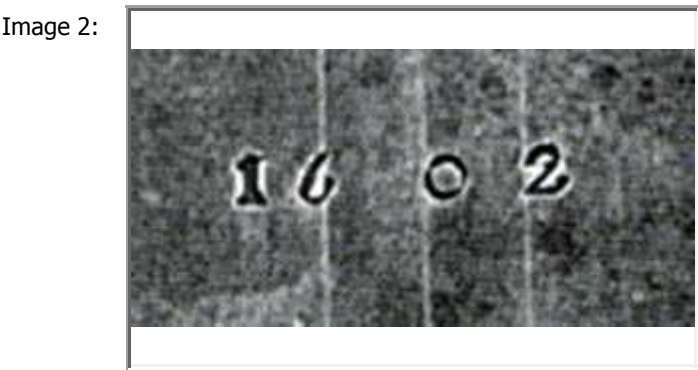
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

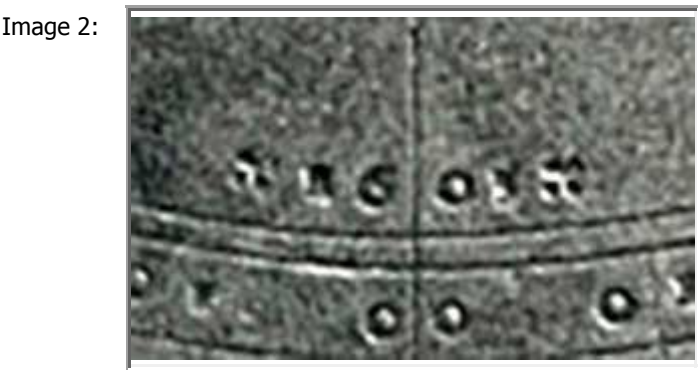
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Date Lost

Nossa Senhora da Graça, also known as Madre de Deos, Cap. André Pessoa.

Date Found

Location

Waters/Stimson Type

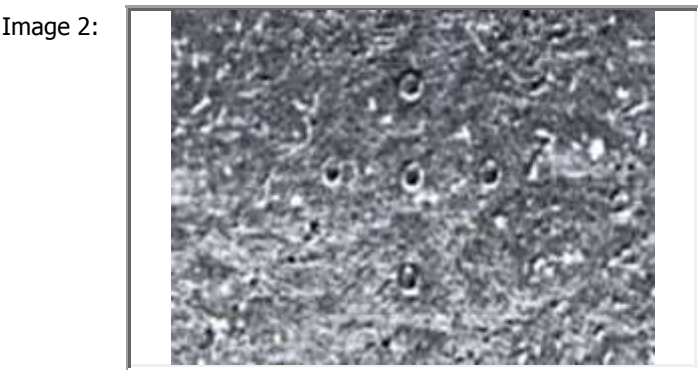
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

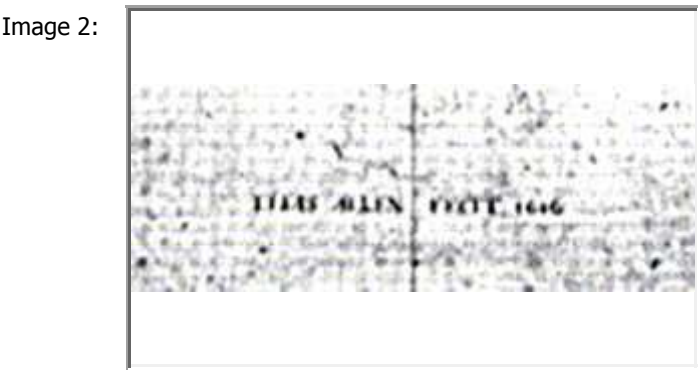
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

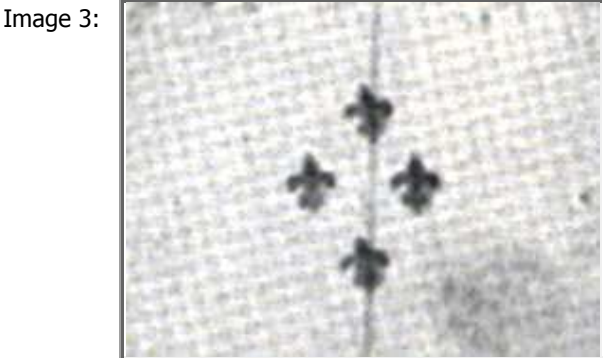
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

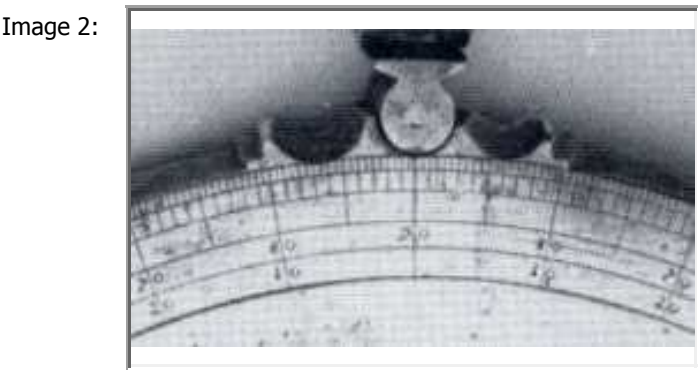
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Batavia

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

Recovered by Max Cramer in 1963, from the Batavia VOC shipwreck, Houtman Abrolhos, Western Australia.

References

Stimson, 1988

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location   
Lost

Waters/Stimson Type

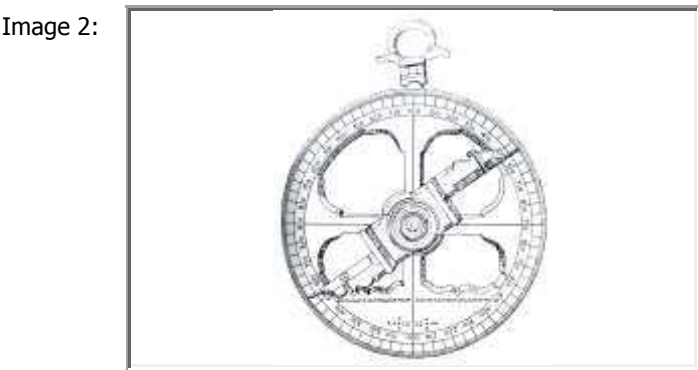
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

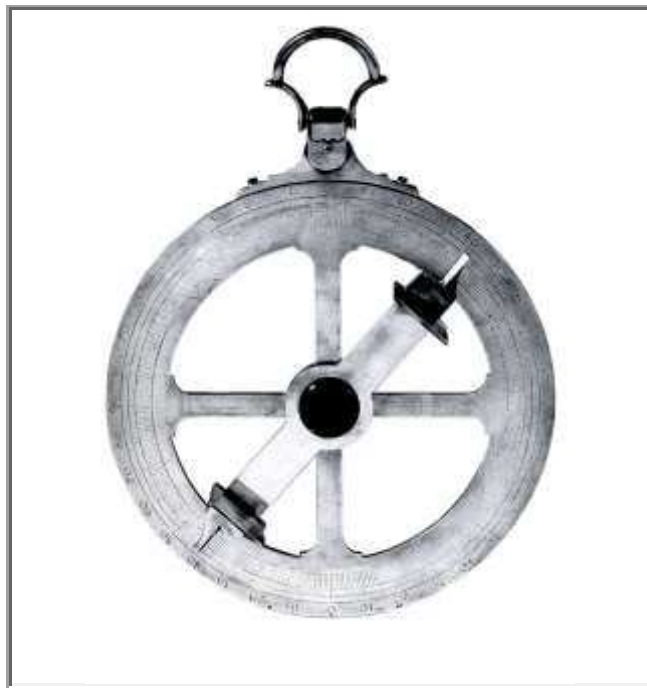
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

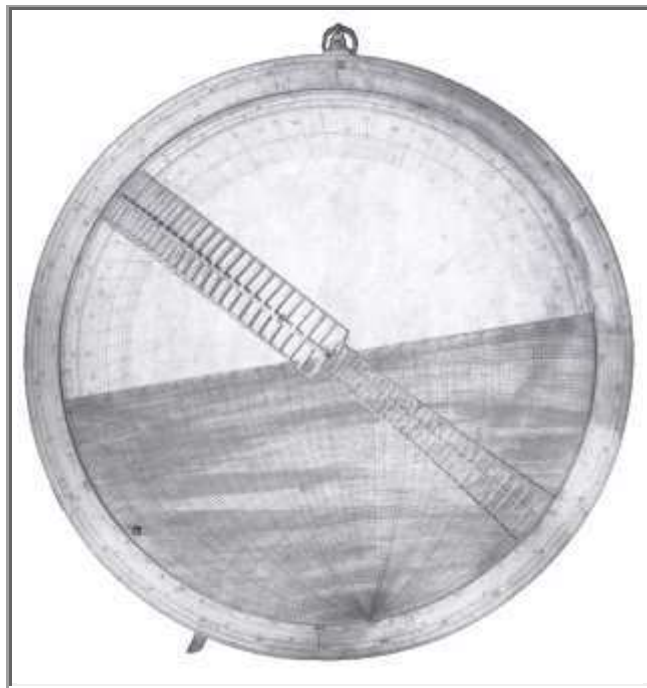
Date Made

Shipwreck

Image 1

Date Lost

Date Found



Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker

Condition  Nationality

Marks

Image 2:

Image 3:

Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

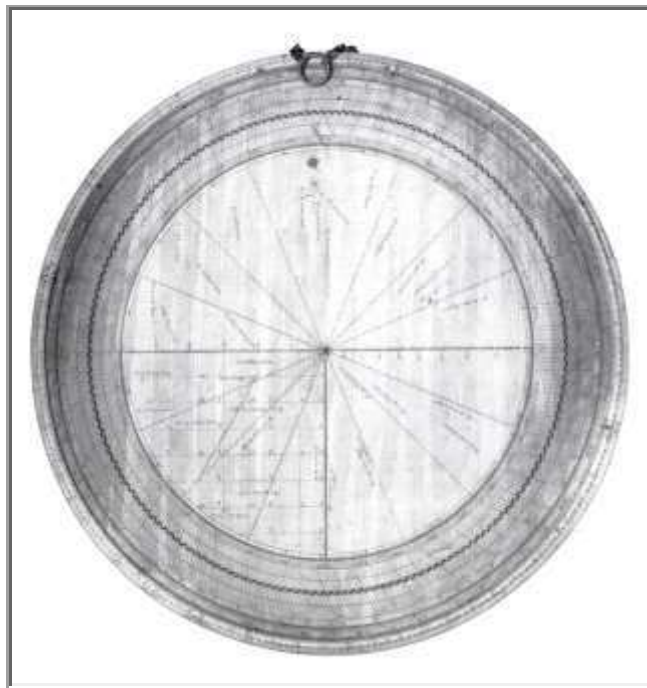
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:

Image 3:

Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost   
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

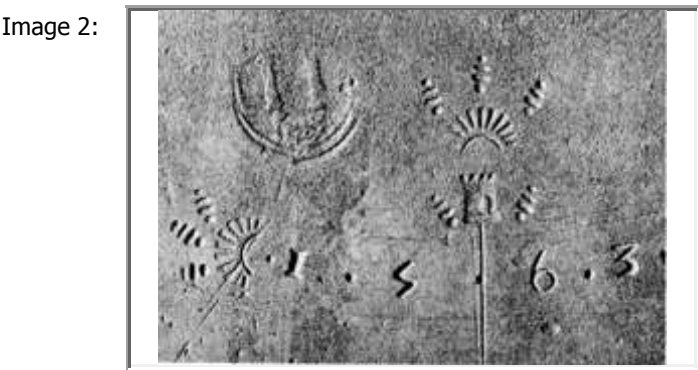
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

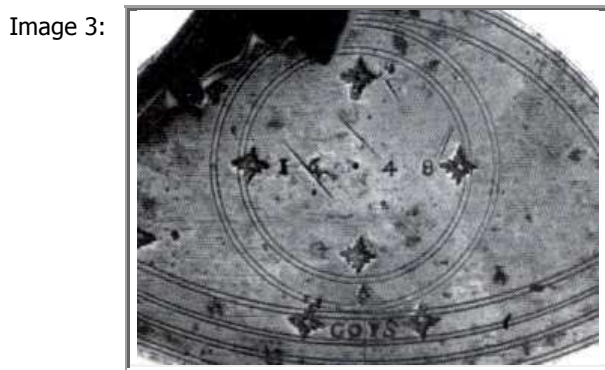
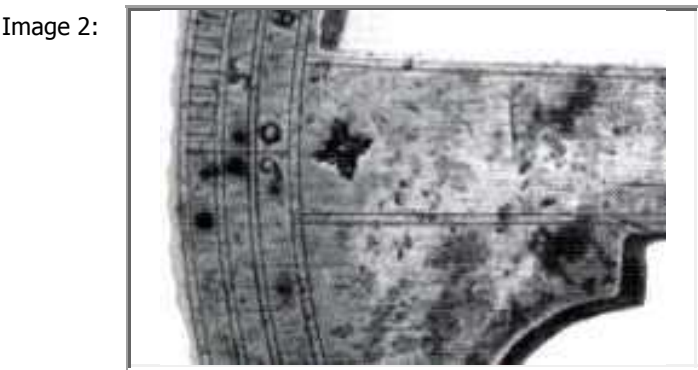
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1



Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker

Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

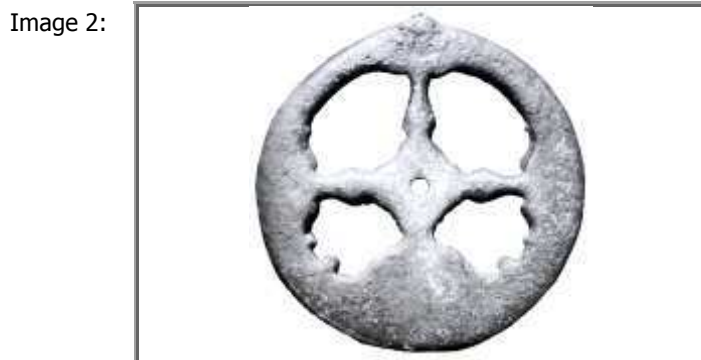
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes Found in 1970 on sea bed near the Great Mewstone rocks, Wembury Bay, Devon, by Wilfred T. Jenkins BSAC. It is on loan in the English National maritime Museum with the ref. #NAV0029.

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:

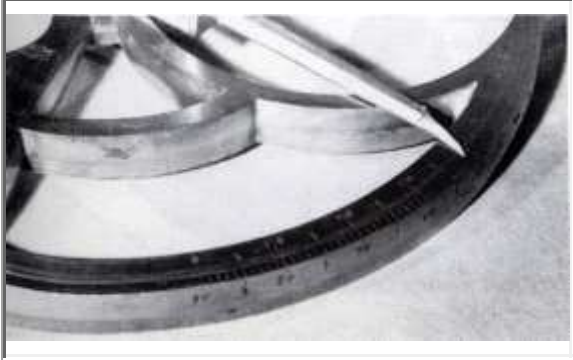
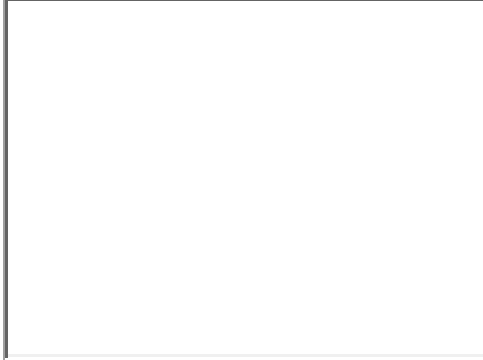


Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1



Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker

Condition  Nationality

Marks

Image 2:

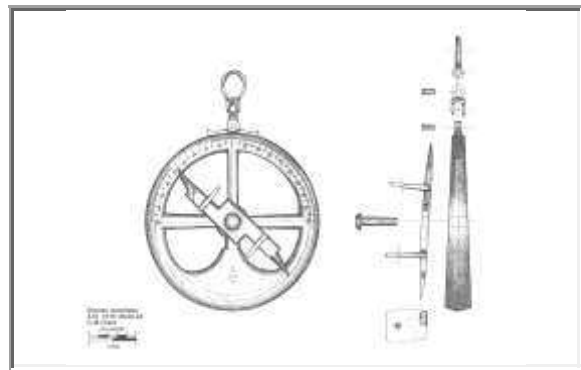
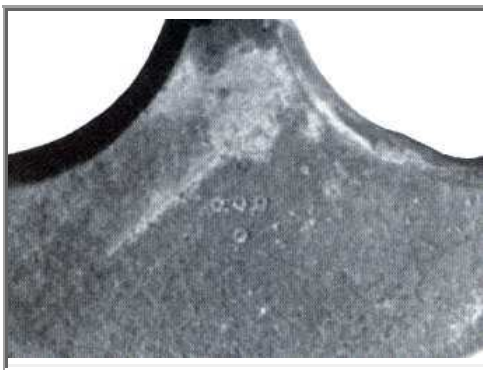


Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes said to have been recovered off the Colombian coast in 1974, from a shipwreck believed to have sunk in 1702. It was part of The Time Museum collection, Rockford, Illinois, until 204. The collection was sold by Sotheby's.

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Batavia

Date Found

Location

Western Australia Museum, Perth

Waters/Stimson Type

Ib

Dia - mm

T - mm

W - gr

Scale

Maker

Unknwon



Condition

Nationality

Marks

1628 / four fleurs de lis / two VOC marks and an X on the back.

Image 2:



Image 3:



Notes

Recovered in 1975 by Jeremy Green from the Batavia VOC wreck site. The ship was lost in 1629 at the Houtman Abrolhos, Western Australia.

References

Stimson, 1988

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

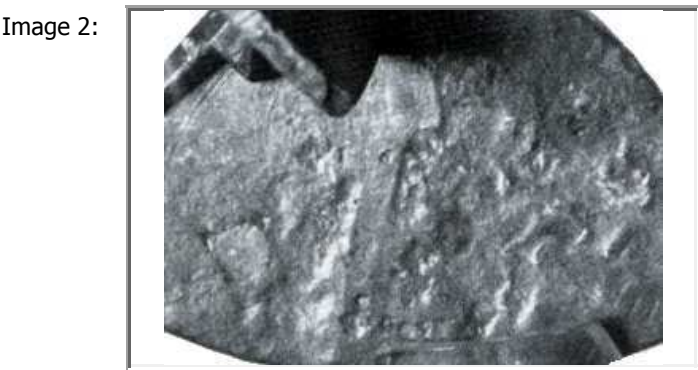
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

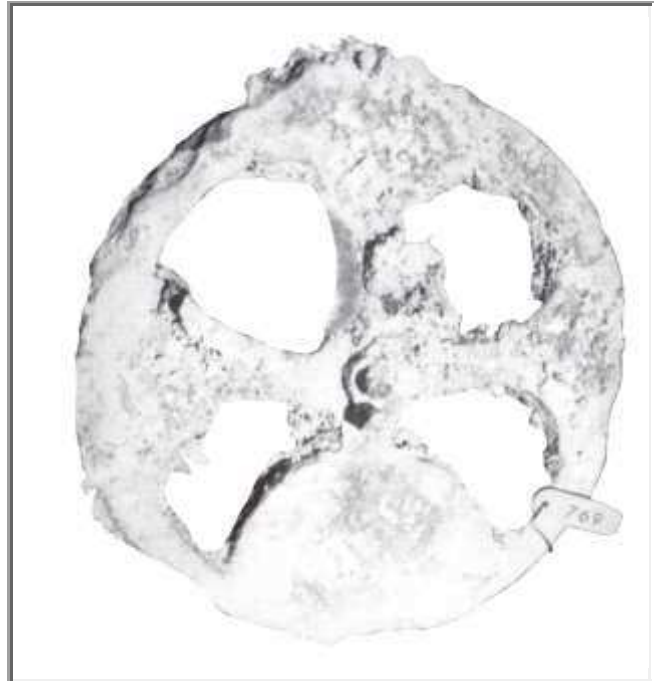
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:

Image 3:

Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

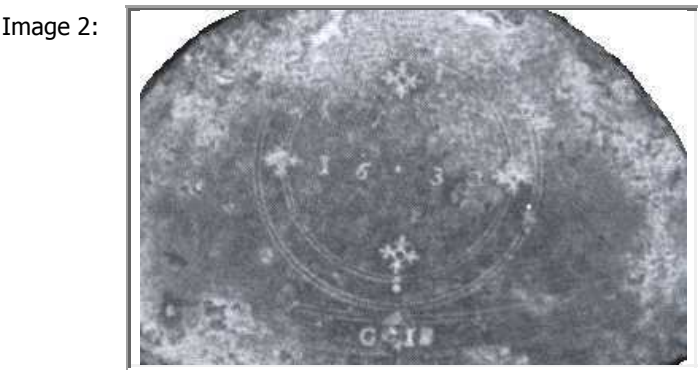
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

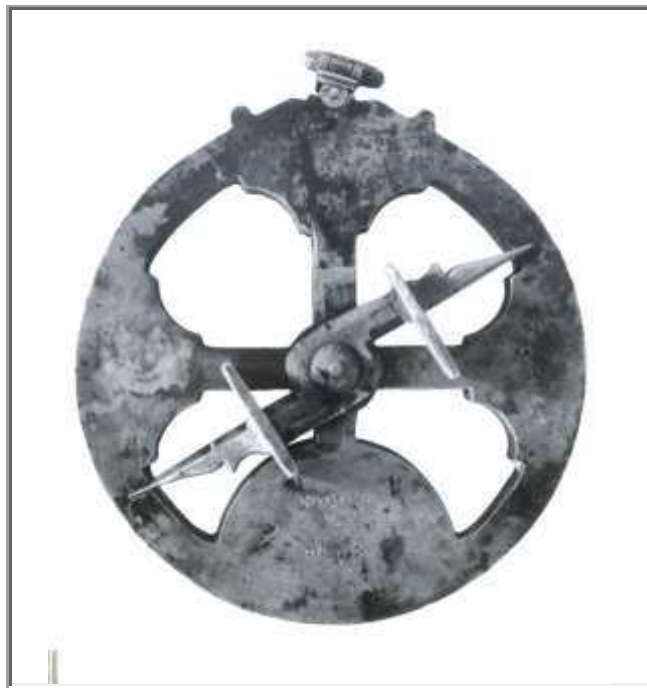
Date Found

Location

Waters/Stimson Type

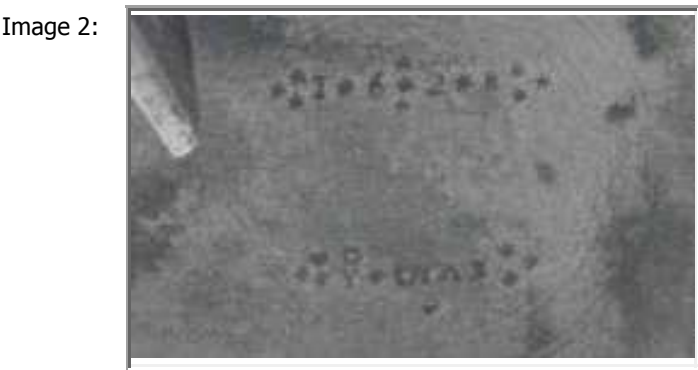
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

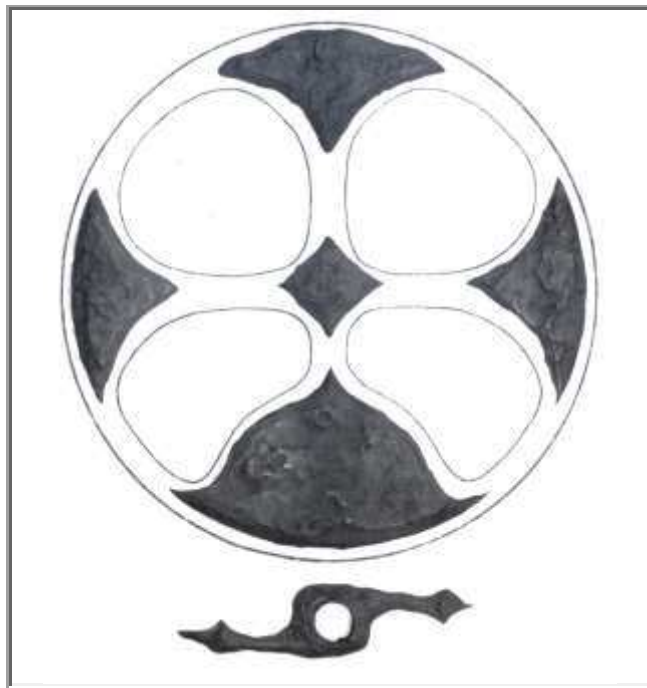
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost  Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

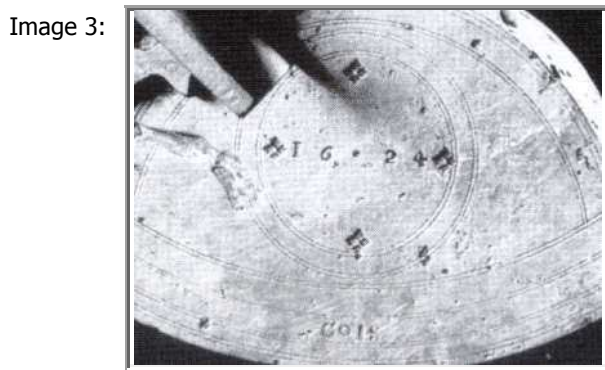
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

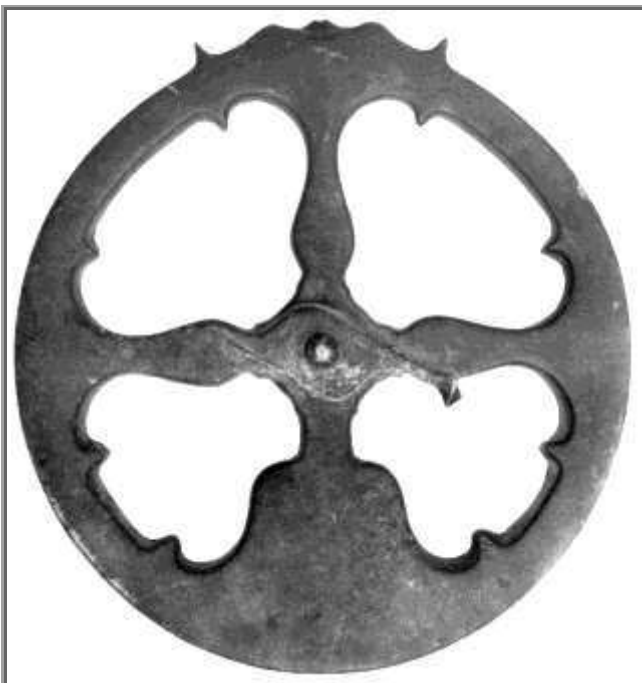
Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

Found by Mr. Sardinha Alves at the southern end of Ericeira beach, Portugal. The owner offered this specimen to the naval Museum, Lisbon.

References

Stimson, 1988

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost  Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Santiago

Date Found

Location

Museu de Marinha, Lisbon

Waters/Stimson Type

Ia1

Dia - mm

180

T - mm

9t/19b

W - gr

1227

Scale

Obliterated

Maker

Unknown



Condition

Nationality

Marks

Obliterated

Image 2:



Image 3:



Notes

Recovered by a treasure hunter from the Portuguese Indiaman Santiago, lost at Bassas da India atoll in 1585. Purchased by Lisbon's Naval Museum.

References

Stimson, 1988

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

San Juan

Date Found

Location

Waters/Stimson Type

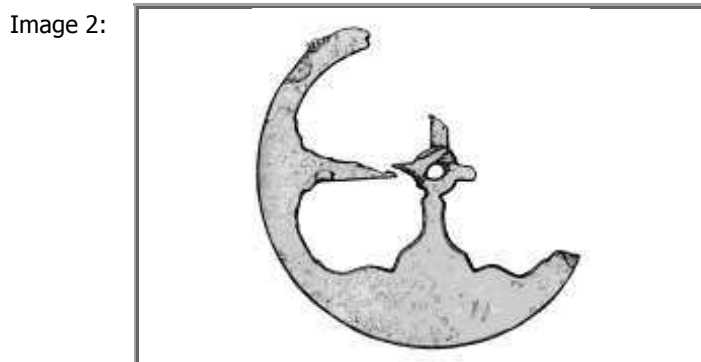
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:

Image 3:

Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

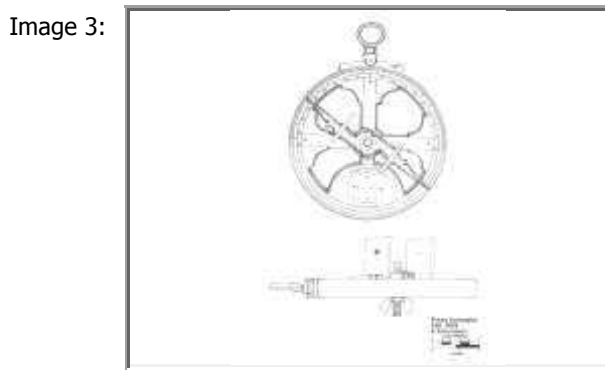
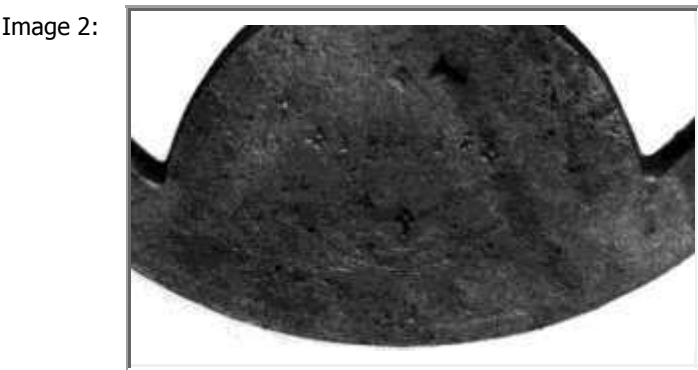
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

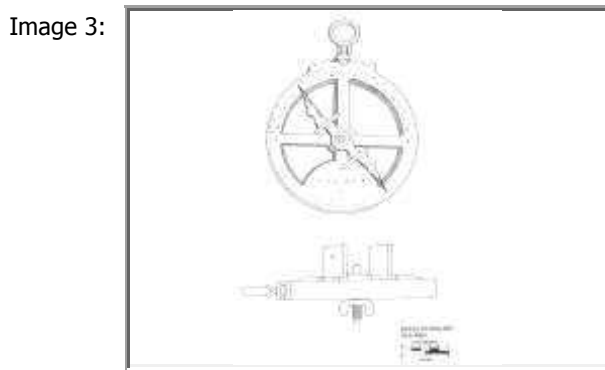
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

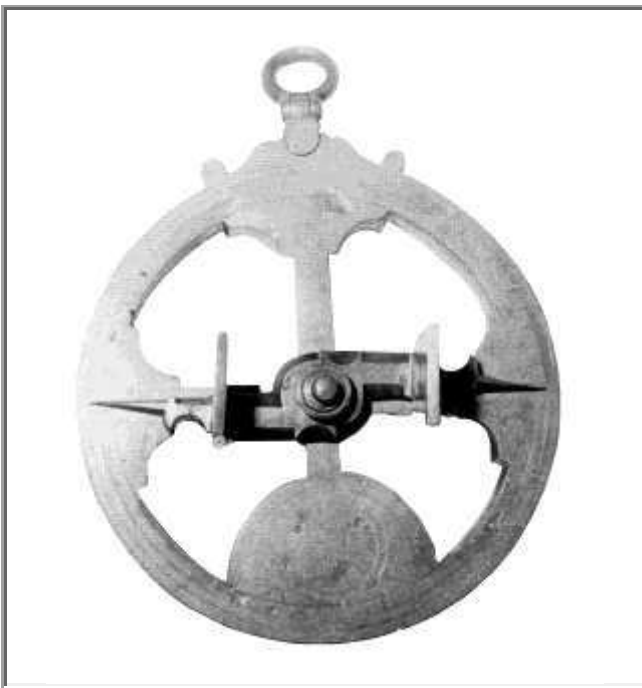
Date Lost  Date Found

Location

Waters/Stimson Type

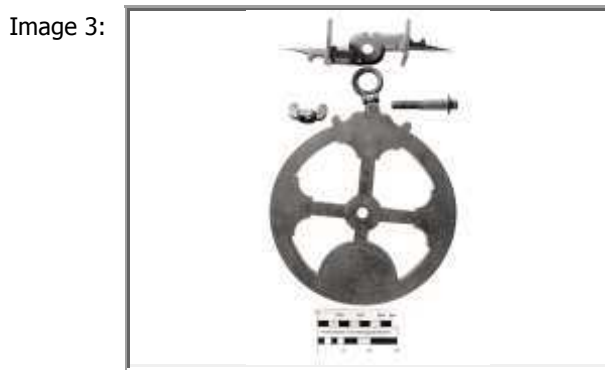
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

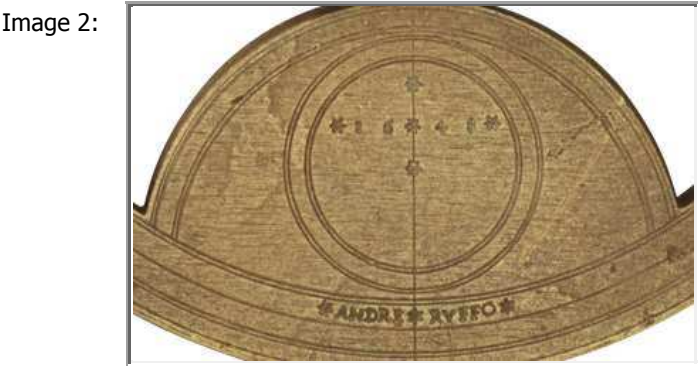
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1 

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker

Condition  Nationality

Marks

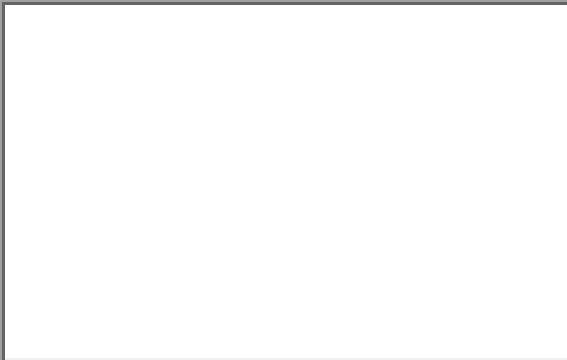
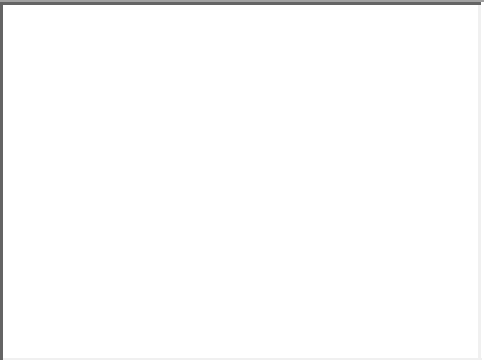
Image 2: 

Image 3: 

Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

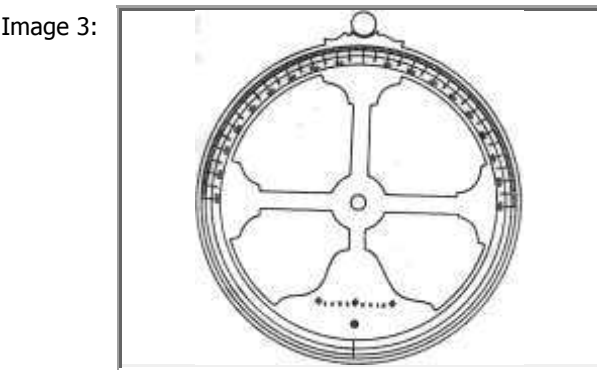
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

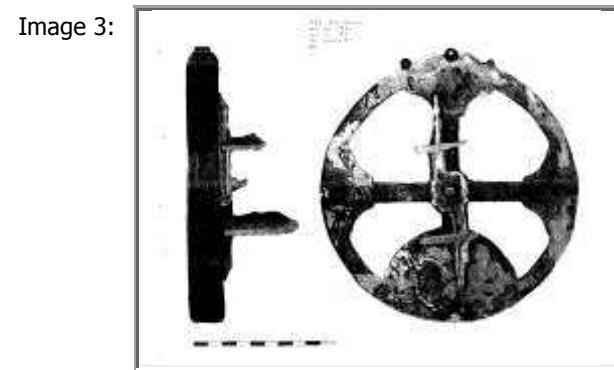
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1



Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker

Condition

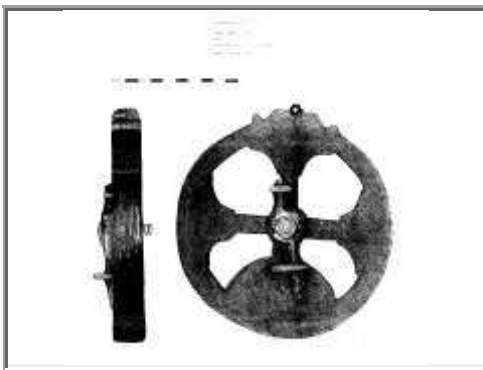
Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

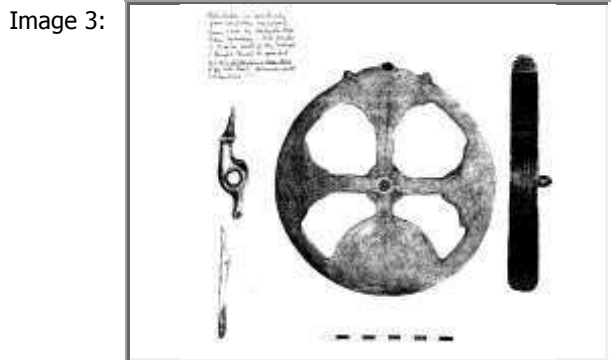
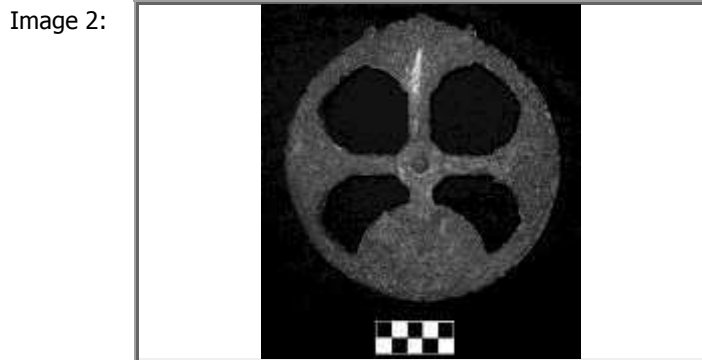
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:

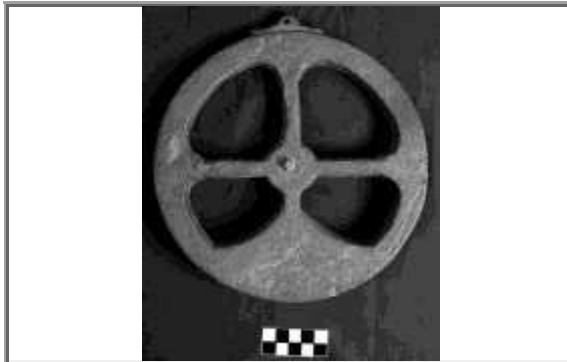


Image 3:



Notes

Bought by Seahawk from another treasure hunter? This astrolabe is unprovenanced and not from the Dry Tortugas shipwreck.

References

Garcia, 2005.

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

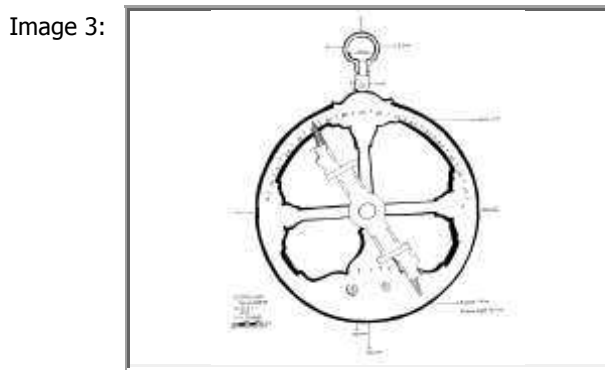
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost  Date Found

Location

Waters/Stimson Type

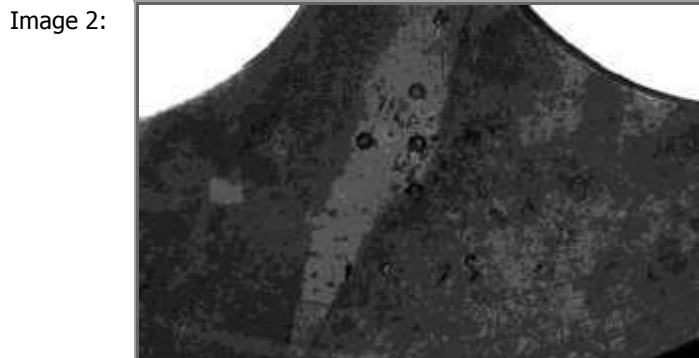
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

Discovered by Wayne Mushrow in 1983 at the Isle aux Morts shipwreck. The marks are difficult to read from the pictures available.

References

Garcia, 2005

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown

Date Found

Location

Unknown

Waters/Stimson Type

Ia3

Dia - mm

T - mm

W - gr

-

Scale

Maker

Obliterated



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

Some sources suggest it was found by treasure hunter Karl Fisser off Crocker Reef, Florida Keys. Unprovenanced. Offered at auction by Daniel Frank Sedwick in 2008.

References

Garcia, 2005

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

San Diego

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

Garcia, 2005

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made   
Date Lost   
Date Found   
Shipwreck

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2: **536**  
**A 16th-Century mariner's bronze astrolabe** (possibly Portuguese), all marks obliterated but of typical form; the mater (wheel) showing signs of extreme heat, perhaps partially melted during a wreck fire; lacking alidade, axis, pin, retaining nut, and suspension loop — 6<sup>7</sup>/<sub>8</sub>in. (17.5cm.) diameter £2,000-3,000



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown

Date Found

Location

Museo Naval, Madrid

Waters/Stimson Type

Ia6

Dia - mm

T - mm

W - gr

Scale

Maker

Spanish?



Condition

Nationality

Marks

Five eight-pointed stars on the crown and several on the horizontal posts.

Image 2:



Image 3:



Notes

Unprovenanced. Acquired by the Naval Museum from Sotheby's in 2001.

References

Garcia, 2005.

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost  Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

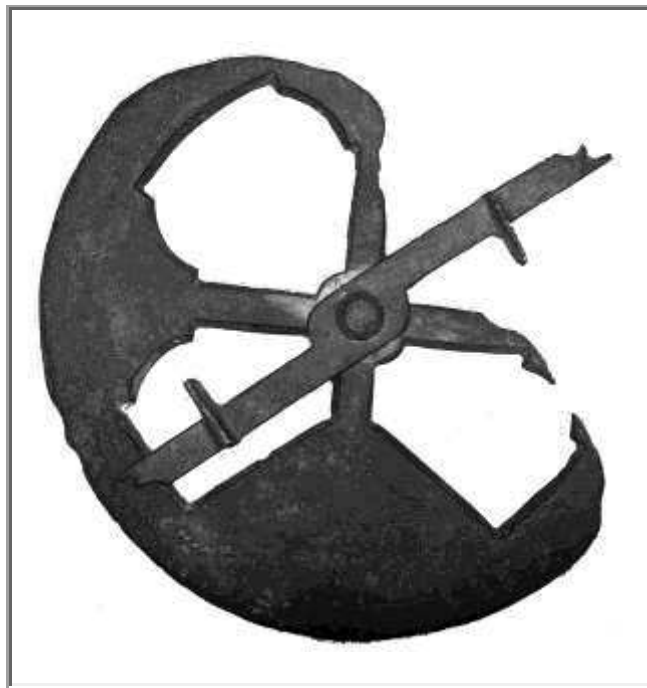
Date Found

Location

Waters/Stimson Type

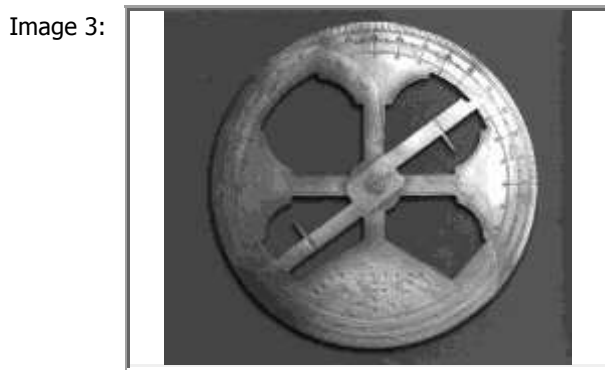
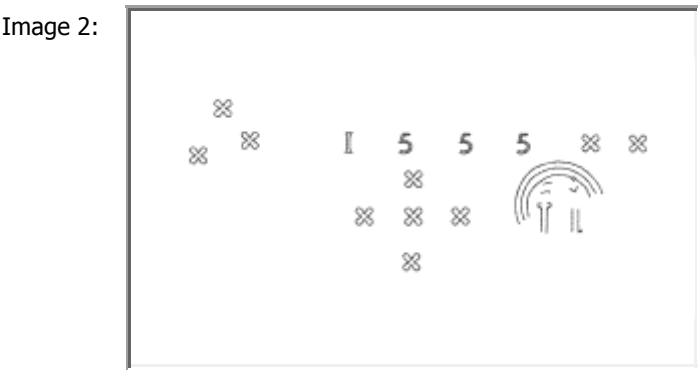
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

A picture shows astrolabes 88 and 97, respectively Francisco Padre I and Francisco Padre II, at the time of their recovery, perhaps in 1994, from a late 16th century shipwreck found near Cabo San Antonio, on the western coast of Cuba. Acquired by the Muse

References

CMAC No  NMM No  Name

Date Made

Date Lost

Date Found

Shipwreck

Image 1



Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker

Condition

Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck

Date Lost

Date Found

Location

Waters/Stimson Type

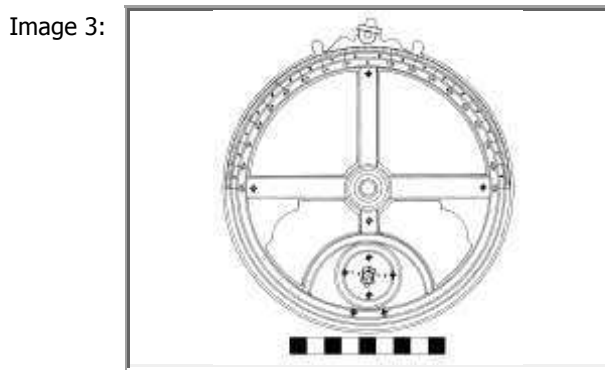
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

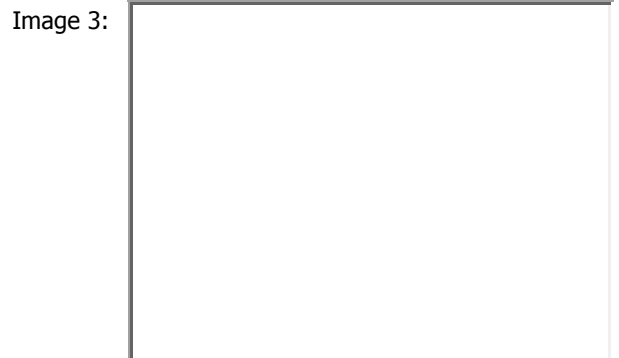
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Bom Jesus

Date Found

Location

Oranjemund, Namibia

Waters/Stimson Type

Ia1

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

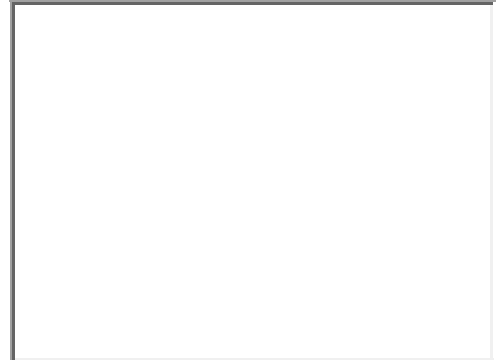
Marks

Obliterated

Image 2:



Image 3:



Notes

One of three found in the Oranjemund Diamond Mines, in southern Namibia, on the Bom Jesus shipwreck site, lost in 1533.

References

Mowa Eliot pers. comm. 2015.

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

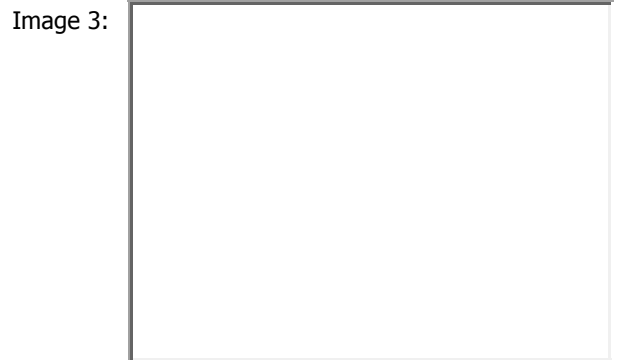
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown

Date Found

Location

Dominican Minister of Culture's office in Santo Domingo

Waters/Stimson Type

Ia8

Dia - mm

T - mm

W - gr

Scale

Obliterated

Maker

Unknown



Condition

Nationality

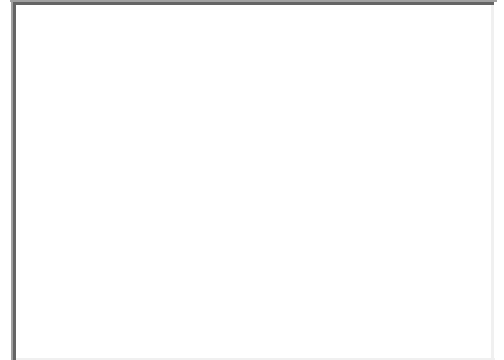
Marks

Obliterated

Image 2:



Image 3:



Notes

Found off the southwestern coast of the Dominican Republic, near Juancho, in December of 2011. In conservation.

References

Bobby Pritchett and Jason Nowell pers. comm.

CMAC No  NMM No  Name

Date Made

Date Lost

Date Found

Shipwreck

Image 1



Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker

Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost   
Date Found

Location

Waters/Stimson Type

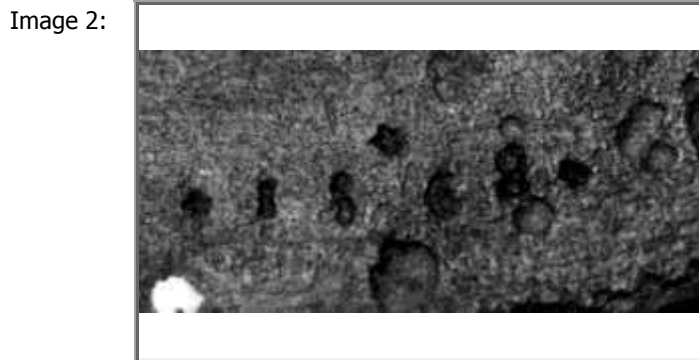
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost   
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition  Nationality

Marks

Image 2:

Image 3:

Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost  Probably  
Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made  Shipwreck  Image 1

Date Lost   
Date Found   
From a shipwreck found at Cadiz, during harbor works.

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Ines de Soto

Date Found

Location

Museo Castillo de la Real Fuerza, La Habana, Cuba

Waters/Stimson Type

Unknown - Alidade

Dia - mm

T - mm

W - gr

Scale

Maker

Unknown



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

Recovered by Carisub from a mid-16th century shipwreck at Los Colorados Archipelago, Pinar del Rio, off the northern Cuban coast. It is not known if this alidade belongs to the CMAC87 astrolabe, or to a third astrolabe.

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown, after 1627

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck  Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Probably

Date Found

Location

Museum of Islamic Art, Doha, Qatar

Waters/Stimson Type

Ia1

Dia - mm

568

T - mm

15

W - gr

4500

Scale

Obliterated

Maker

Unknown



Condition

Nationality

Unknown

Marks

Obliterated

Image 2:



Image 3:



Notes

Very large specimen in the collections of the Doha Islamic Art Museum. Unprovenanced.

References

Pers. comm. Marc Peletreau, 2015.

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks

Image 2:



Image 3:



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Unknown.

Date Found

Location

La Rochelle, France?

Waters/Stimson Type

Ia2

Dia - mm

T - mm

W - gr

Scale

Maker

Unknown



Condition

Nationality

Marks

Quintuple dots cross.

Image 2:



Image 3:



Notes

Bought at the March 2017 TEFAF art fair of Maastricht (March 19, 2017), by Dr. Carl Dierickx (Hasselt, Belgium). Probably dredged at La Rochelle, France. Found around 1988-90 in a pile of dredged sand delivered to a particular at Aigrefeuille d'Aunis.

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Probably one of the Sodré brothers shipwrecks.

Date Found

Location

Waters/Stimson Type

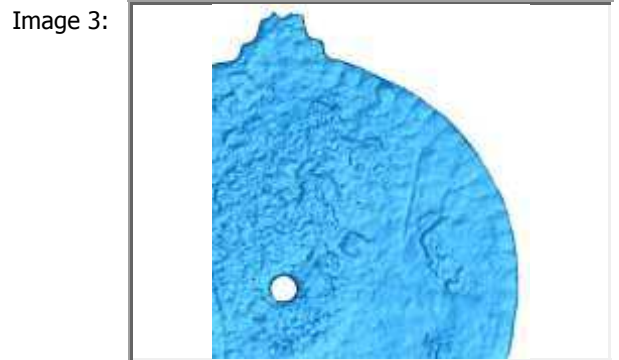
Dia - mm  T - mm  W - gr

Scale  Maker



Condition  Nationality

Marks



Notes

References

CMAC No  NMM No  Name

Date Made

Shipwreck

Image 1

Date Lost

Date Found

Location

Waters/Stimson Type

Dia - mm

T - mm

W - gr

Scale

Maker



Condition

Nationality

Marks

Image 2:



Image 3:



Notes

References



Marine Astrolabes Catalogue  
J. Richard Steffy Ship Reconstruction Catalogue  
June 2018

