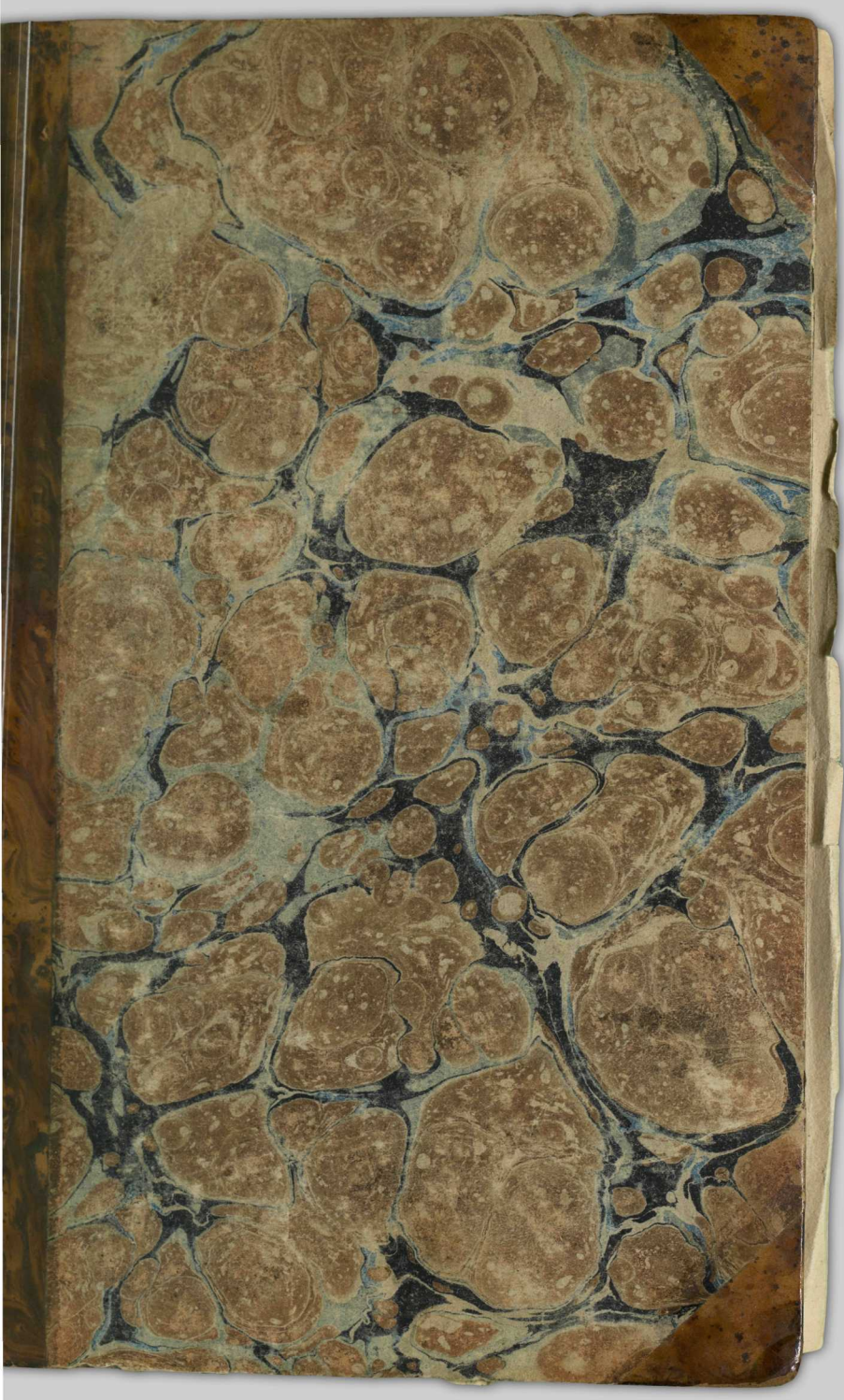
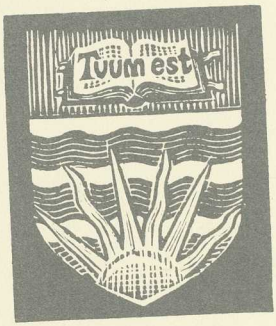


Ex Biblio. Mexicana
HAMILL

15-805

THE LIBRARY



THE UNIVERSITY OF
BRITISH COLUMBIA

PLATES

TO

THE TRANSLATION OF HUMBOLDT'S

POLITICAL ESSAY

ON THE KINGDOM

OF

NEW SPAIN.

LONDON:

PRINTED FOR LONGMAN, HURST, REES, ORME, AND BROWN, PATERNOSTER-ROW; AND R. PHILLIPS, BRIDGE-STREET, BLACKFRIARS.

1811.

PLATES

TO

ALEXANDER DE HUMBOLDT'S

POLITICAL ESSAY

ON

THE KINGDOM

OF

NEW SPAIN.

LONDON:

PRINTED FOR LONGMAN, HURST, REES, ORME, AND BROWN; AND H. COLBURN: AND W. BLACKWOOD, AND BROWN AND CROMBIE, EDINBURGH.

1811.

T. Davison, Lombard-street,
Whitefriars, London.

CONTENTS.

1. *Peak of Orizaba.*
2. *Volcanos of La Puebla.*
3. *Plan of the Port of Acapulco.*
4. *Map of the Valley of Mexico.*
5. *Plan of the Port of Veracruz.*
6. *Section of the Western Declivity of the Table-land of New Spain.*
7. *Ditto, Eastern Declivity, ditto.*
8. *Ditto, Central Table, ditto.*
9. *Map of New Spain.*

A. Humboldt & E. Gindin del. — M. C. Stadler sculp.

Peak of Orizaba, seen from the forest of Xalapa.

Lud. Hurlim. & Fr. Omelin. del.

J.C. Stadler sculp.

Volcanos of la Puebla, seen from the City of Mexico.

Latitude of Acapulco ..... 16°.. 50'.. 29".N.
Longitude West from Paris in time ..... 6h. 48'.. 24
Mean Temperature ..... 27°.. 4'.. Centigrade
Inclination of the Magnetic Needle in March 1803 new division ..... 43°.. 2'.. 0
Intensity of the Magnetical force (expressed by 240 oscillations when under the Magnetic Equator) 211. in 10' of time.

Humbolt.

A. (Arena) fine Sand
P. (Piedra) Rocky bottom
AL. (Arena y Lama) Sand and Mud
Ag. (Arena gruessa) Gravel
L. (Lama) Mud
Cª. (Conchuela) Shells
AF. (Arena y Fango) Sand and Slime
ACª. (Arena y Guscajo) Sand and Gravel
The Figures denote Fathoms.

PLAN of the PORT of ACAPULCO.

Scale of 2 Maritime Miles or 1900 Toises
½ 1 ½ 2

Published by Longman & Cº. Oct. 15th. 1810.

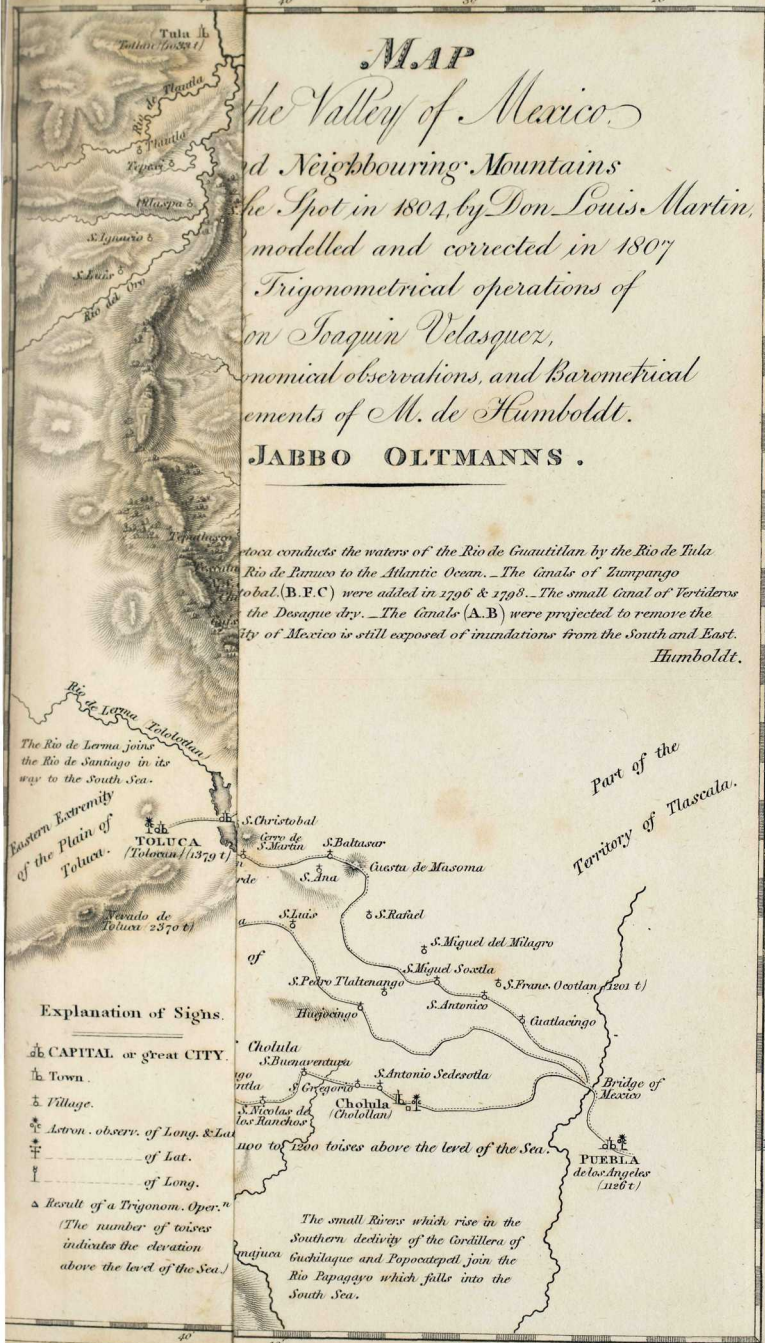
W. Lowry sculp.

MAP
the Valley of Mexico
and Neighbouring Mountains
the Spot in 1804, by Don Louis Martin,
modelled and corrected in 1807
Trigonometrical operations of
Don Joaquin Velasquez,
nomical observations, and Barometrical
ements of M. de Humboldt.

JABBO OLTMANNS.

toca conducts the waters of the Rio de Guautitlan by the Rio de Tula
Rio de Panuco to the Atlantic Ocean. _The Canals of Zumpango
tobal (B.F.C) were added in 1796 & 1798._The small Canal of Vertideros
the Desague dry. _The Canals (A.B) were projected to remove the
ity of Mexico is still exposed of inundations from the South and East.

Humboldt.



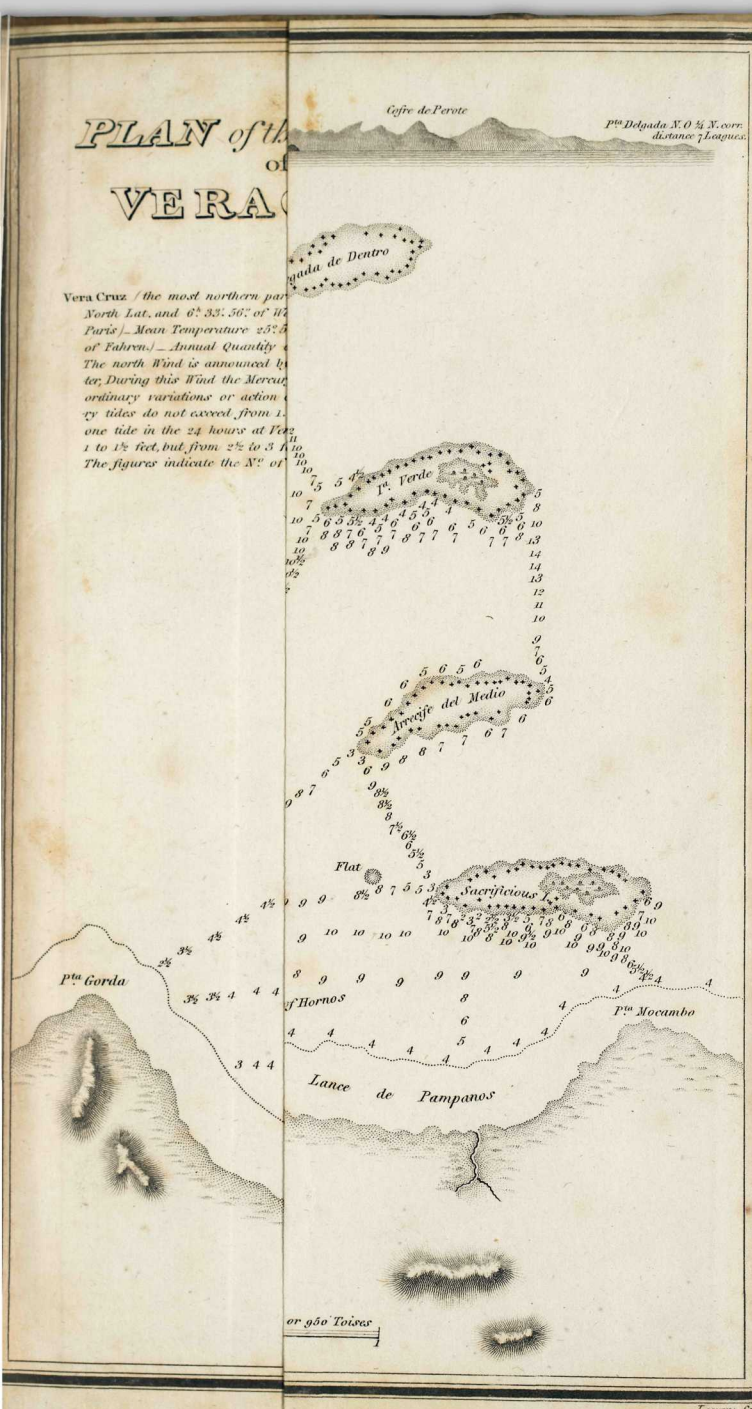
Explanation of Signs.

- CAPITAL or great CITY.
- Town.
- Village.
- Astron. observ. of Long. & Lat.
- of Lat.
- of Long.
- Result of a Trigonom. Oper.n (The number of toises indicates the elevation above the level of the Sea.)

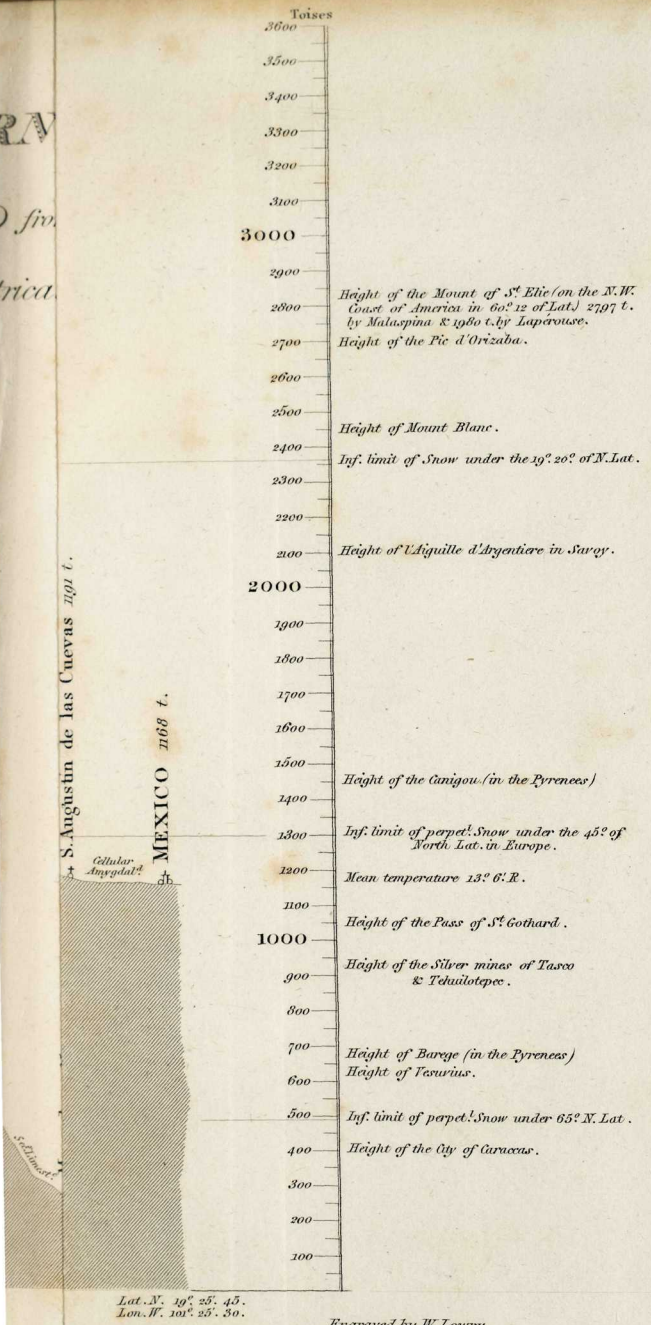
W. Lowry Sculp.

PLAN of th
of
VERA

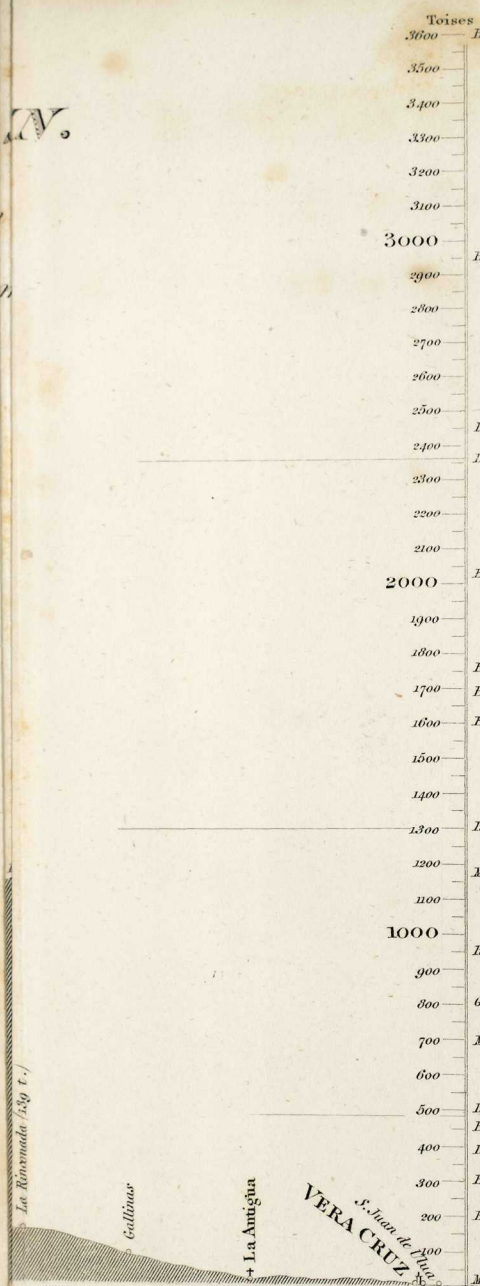
Vera Cruz / the most northern par
North Lat. and 6h. 33'. 56". of W
Paris / Mean Temperature 25°
of Fahren. / Annual Quantity
The north Wind is announced b
ter; During this Wind the Mercu
ordinary variations or action
ry tides do not exceed from 1
one tide in the 24 hours at Ver
1 to 1½ feet, but from 2½ to 3
The figures indicate the No. of



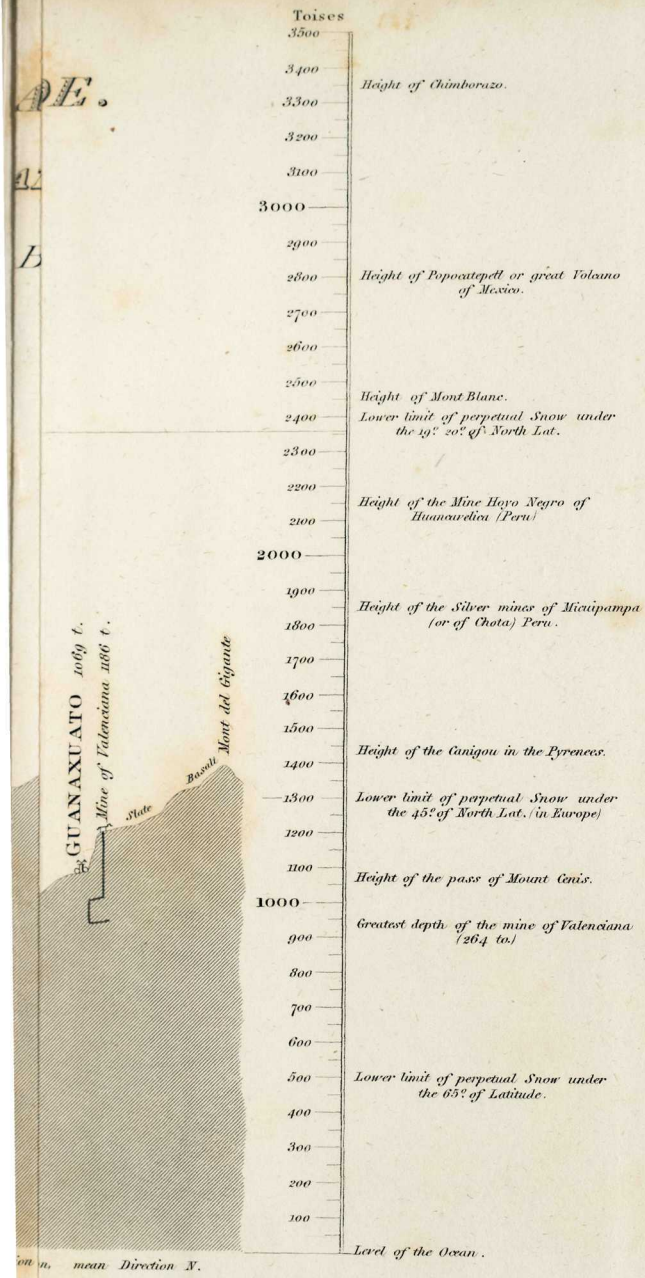
Lowry Sc.



Engraved by W. Lowry.

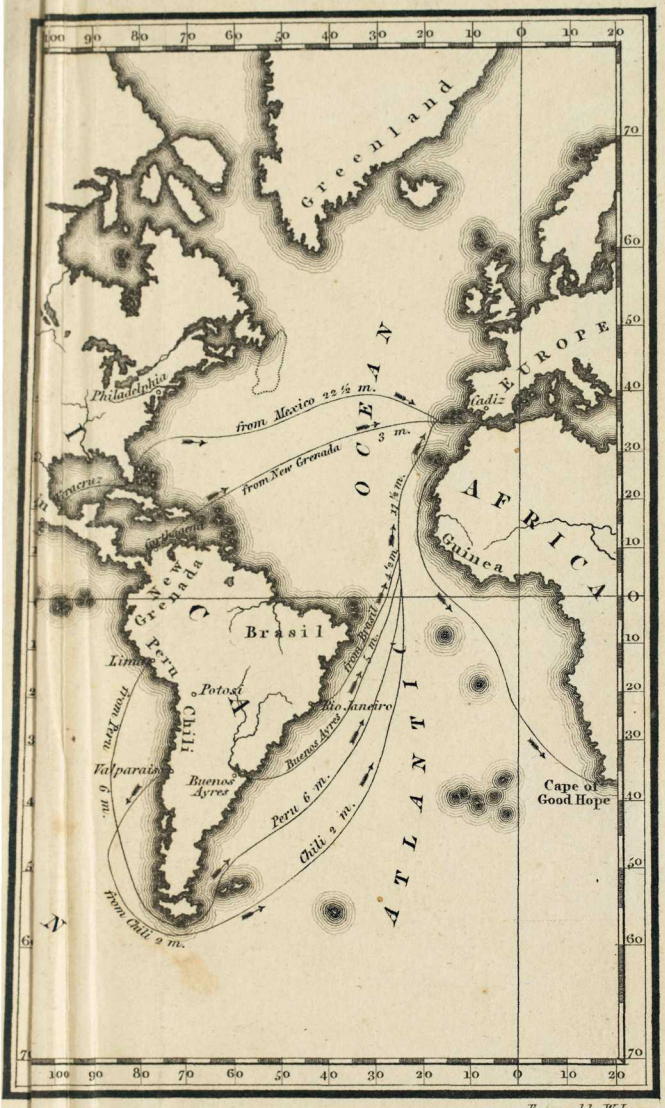


Engraved by Wilson Lowry.



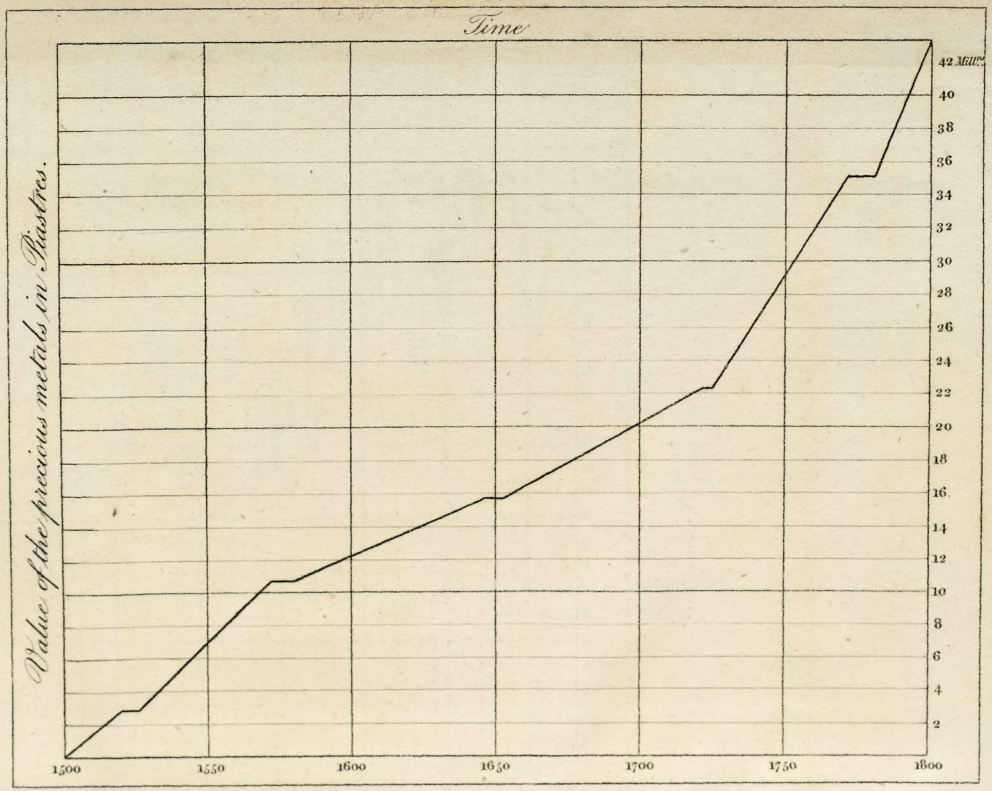
Engraved by Wilson Lowry.

Published as the Act directs. Oct.r 25. 1810. by Longman Hurst Rees Orme and Brown

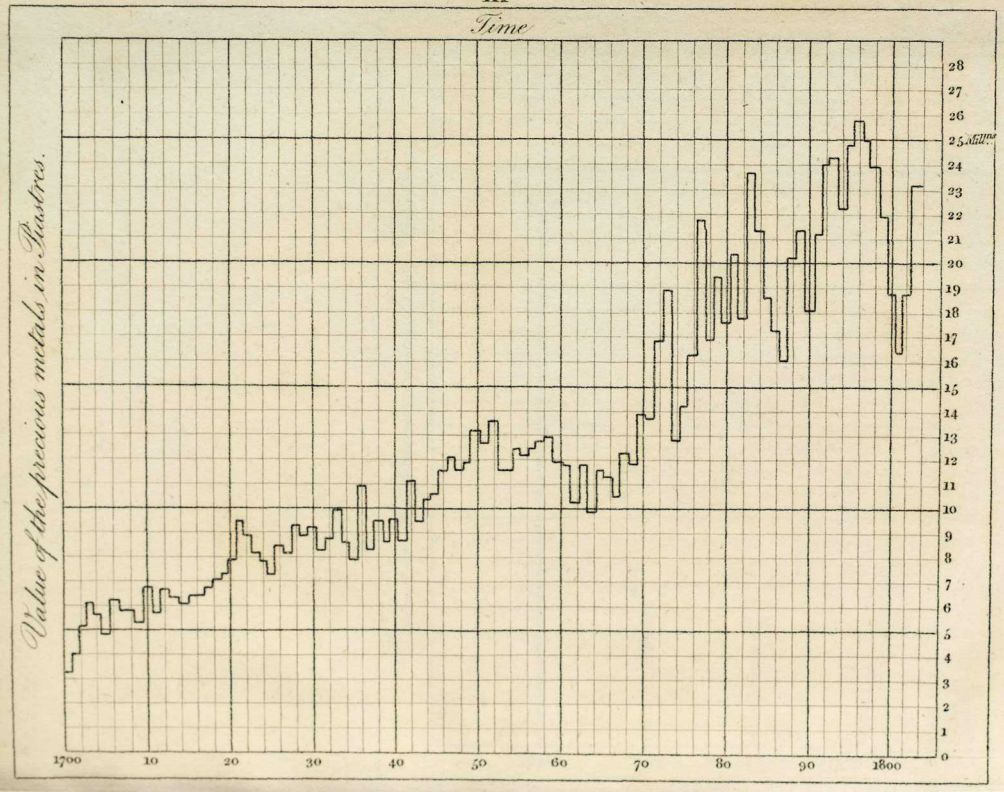


Engraved by W. Lowry.

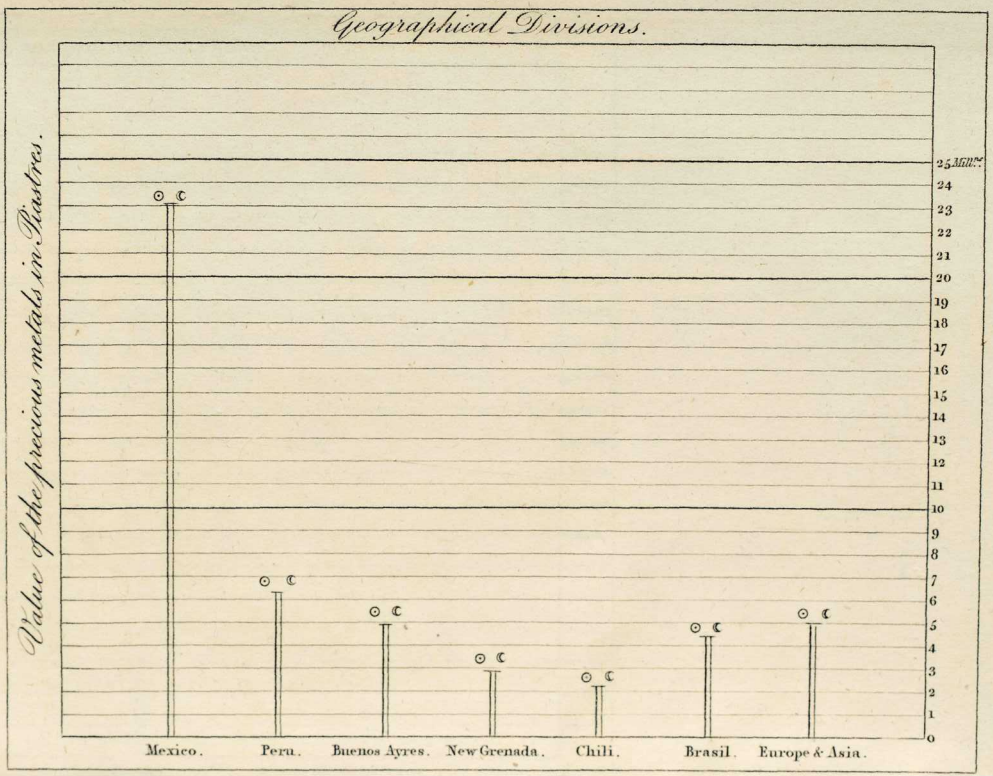
one Continent to the other.


Time
Value of the precious metals in Piastres.
42 Millies
40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
1500
1550
1600
1650
1700
1750
1800

III

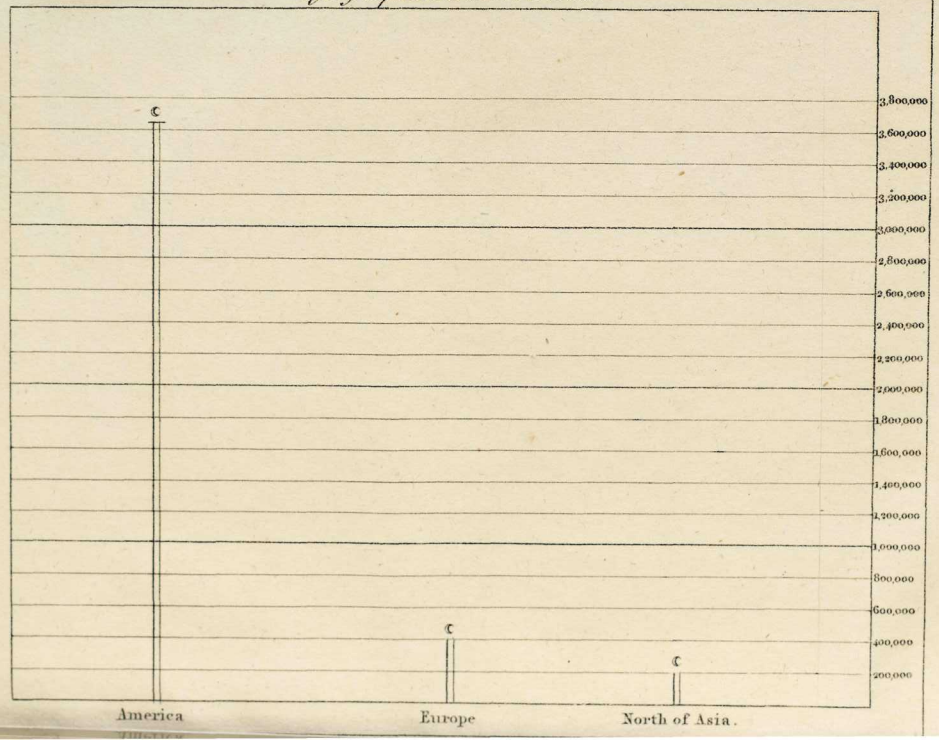

Time
Value of the precious metals in Piastres.
28
27
26
25 Milliers
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
1700
10
20
30
40
50
60
70
80
90
1800

IV

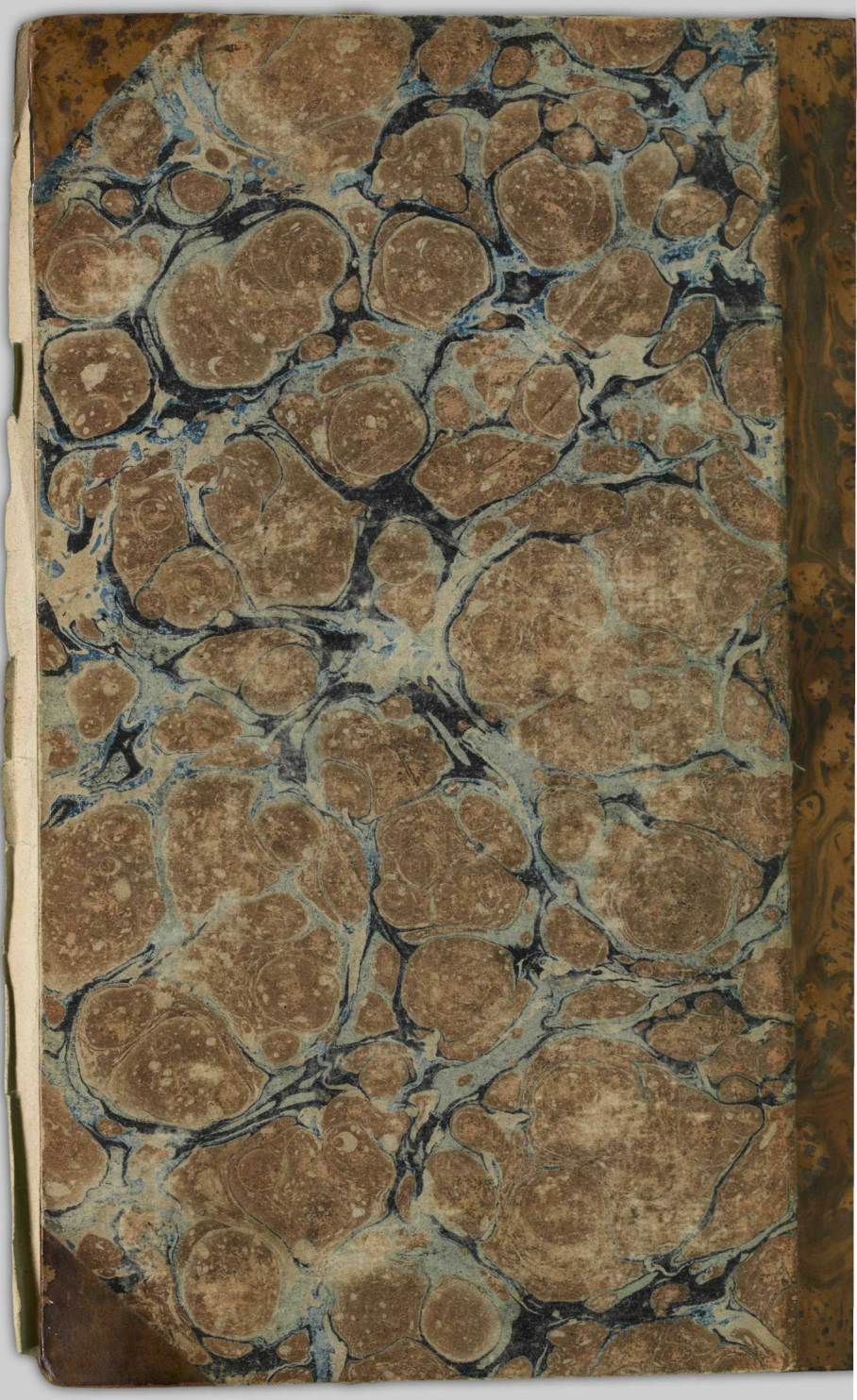

Geographical Divisions.
Value of the precious metals in Piastres.
25 Millions
24
23
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
Mexico.
Peru.
Buenos Ayres.
New Grenada.
Chili.
Brasil.
Europe & Asia.

V

Geographical Divisions.



HR
F1211
H92
SUPPL.



MAP
Of the Valley of Mexico
And Neighbouring Mountains
Sketched on the Spot in 1804, by Don Louis Martin, and New modelled and corrected in 1807 from the Trigonometrical operations of Don Joaquin Velasquez, and the Astronomical observations, and Barometrical measurements of M. de Humboldt.

By JABBO OLTMANNS.

The Canal of Huehuetoca conducts the waters of the Rio de Guautitlan by the Rio de Tula or Moctezuma and the Rio de Panuco to the Atlantic Ocean. _The Canals of Zumpango (D.F) and San Christobal (B.F.C) were added in 1796 & 1798. _The small Canal of Vertideros (D.E) serves to throw the Desague dry. _The Canals (A.B) were projected to remove the danger to which the City of Mexico is still exposed of inundations from the South and East.

Humboldt.

The Rio de Lerma joins the Rio de Santiago in its way to the South Sea.

Eastern Extremity of the Plain of Toluca.

Part of the Territory of Tlascala.

Western Extremity of the Plain of Cholula from 900 to 1200 toises above the level of the Sea.

The small Rivers which rise in the Southern declivity of the Cordillera of Guchilaque and Popocatepetl join the Rio Papagayo which falls into the South Sea.

Explanation of Signs.

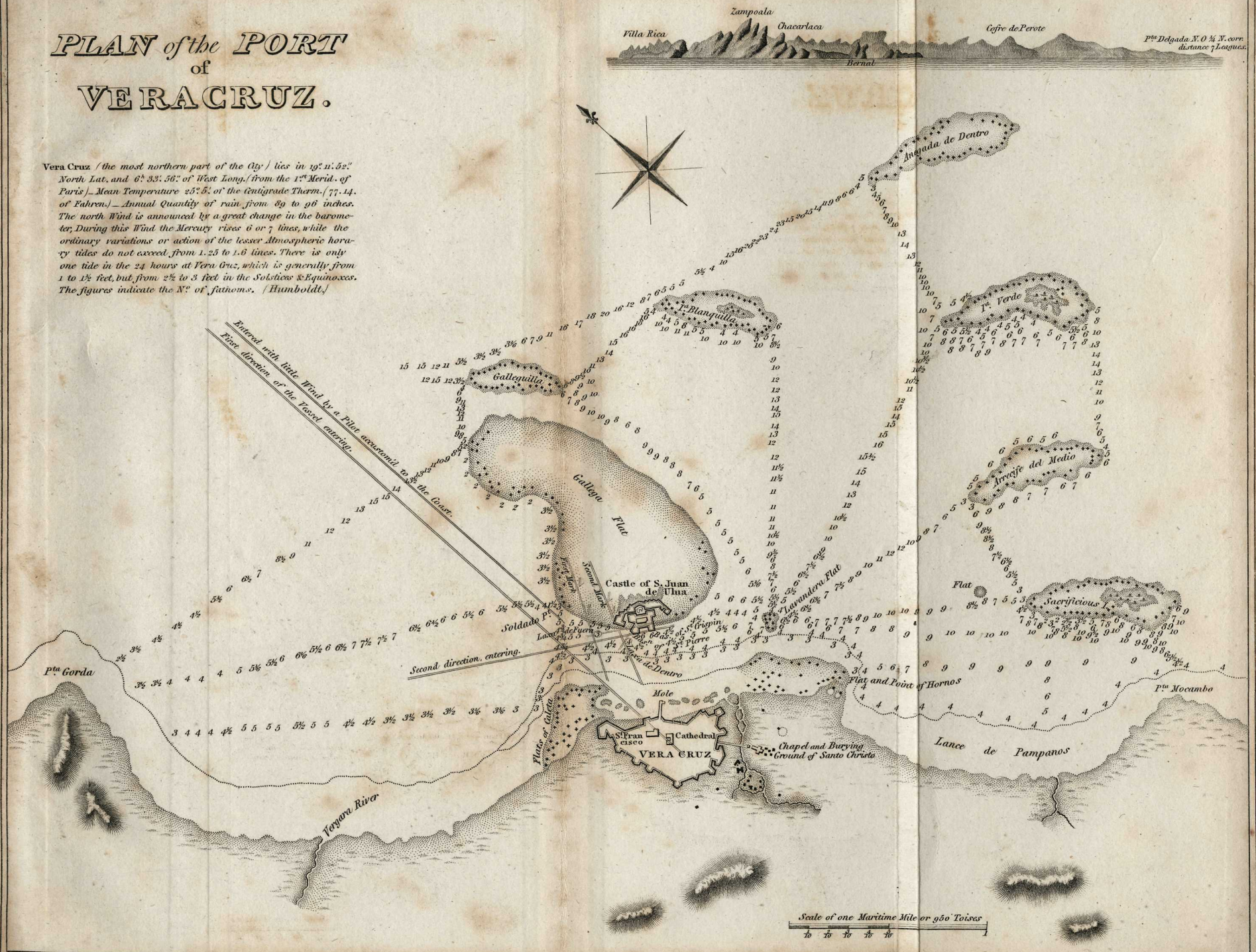
- CAPITAL or great CITY.
- Town.
- Village.
- Astron. observ. of Long. & Lat.
- ——— of Lat.
- ——— of Long.
- Result of a Trigonom. Oper.n (The number of toises indicates the elevation above the level of the Sea.)

Published by Longman & Co. Oct. 22. 1810.

W. Lowry Sculp.

PLAN of the PORT of VERACRUZ.

Vera Cruz (the most northern part of the City) lies in 19°. 11'. 52". North Lat. and 6h. 33'. 56". of West Long. (from the 1st Merid. of Paris) — Mean Temperature 25°. 5'. of the Centigrade Therm. (77. 14. of Fahren.) — Annual Quantity of rain from 89 to 96 inches. The north Wind is announced by a great change in the barometer; During this Wind the Mercury rises 6 or 7 lines, while the ordinary variations or action of the lesser Atmospheric horary tides do not exceed from 1.25 to 1.6 lines. There is only one tide in the 24 hours at Vera Cruz, which is generally from 1 to 1½ feet, but from 2½ to 3 feet in the Solstices & Equinoxes. The figures indicate the No. of fathoms. (Humboldt.)



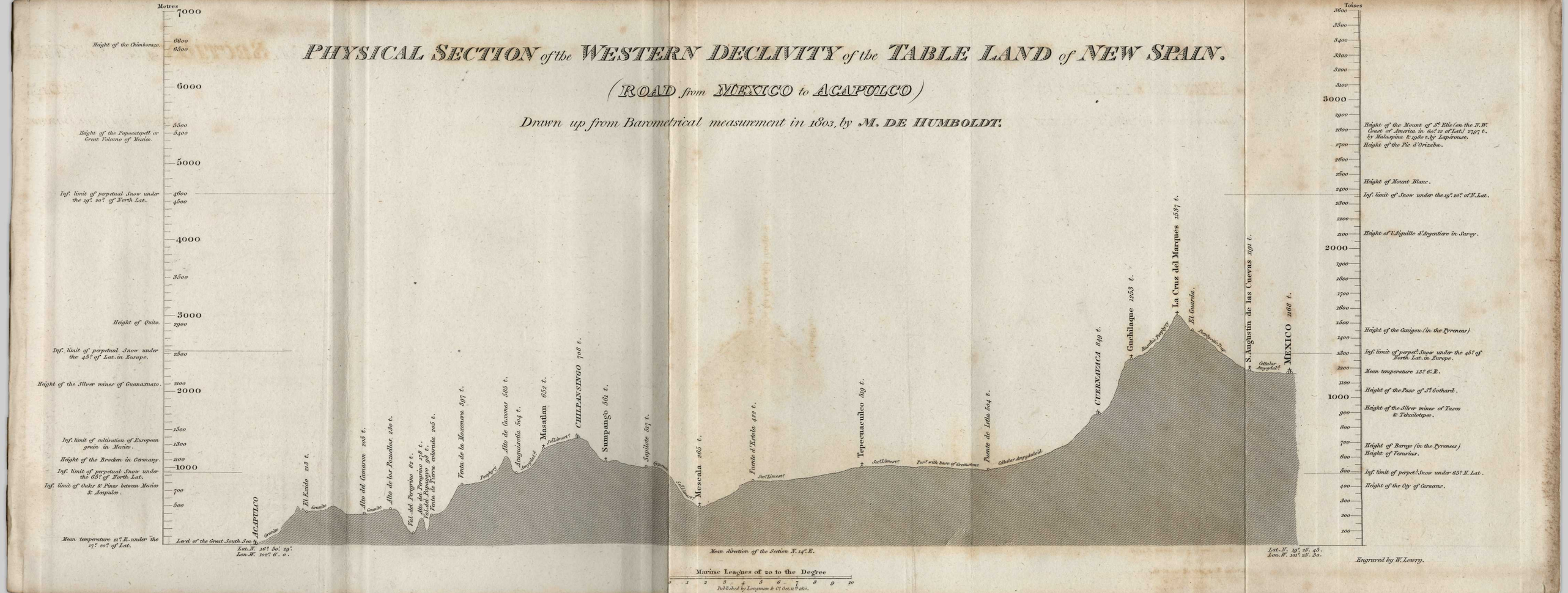
Published by Longman & Co. Oct. 15th. 1810.

Lowry Sc.

PHYSICAL SECTION of the WESTERN DECLIVITY of the TABLE LAND of NEW SPAIN.

(ROAD from MEXICO to ACAPULCO)

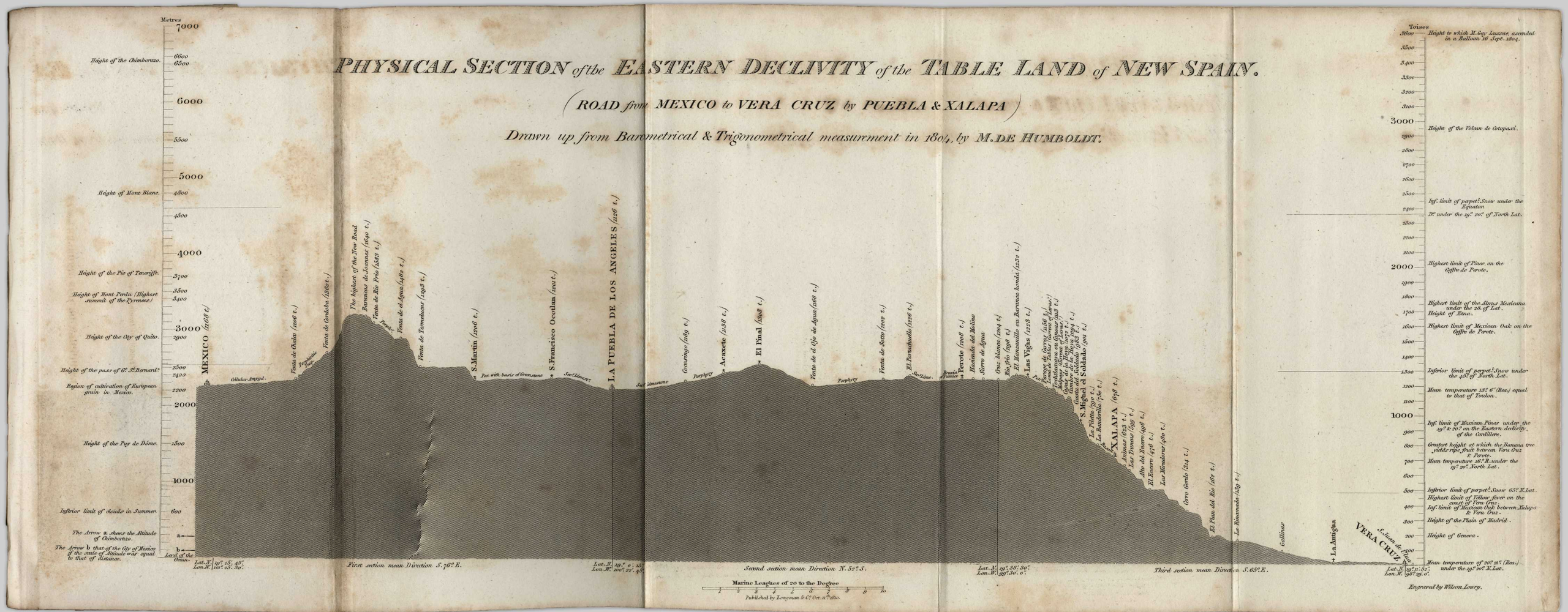
Drawn up from Barometrical measurement in 1803, by **M. DE HUMBOLDT.**



PHYSICAL SECTION of the EASTERN DECLIVITY of the TABLE LAND of NEW SPAIN.

(ROAD from MEXICO to VERA CRUZ by PUEBLA & XALAPA)

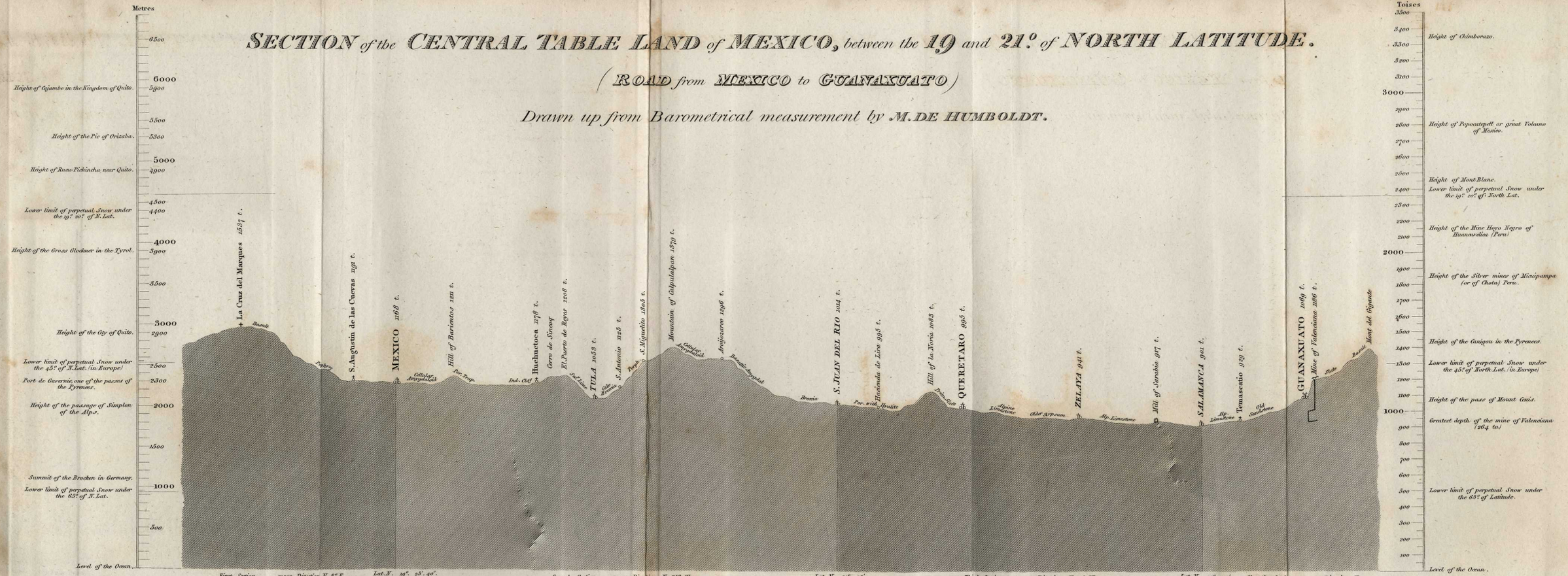
Drawn up from Barometrical & Trigonometrical measurement in 1804, by M. DE HUMBOLDT.



SECTION of the CENTRAL TABLE LAND of MEXICO, between the 19 and 21.° of NORTH LATITUDE.

(ROAD from MEXICO to GUANAXUATO)

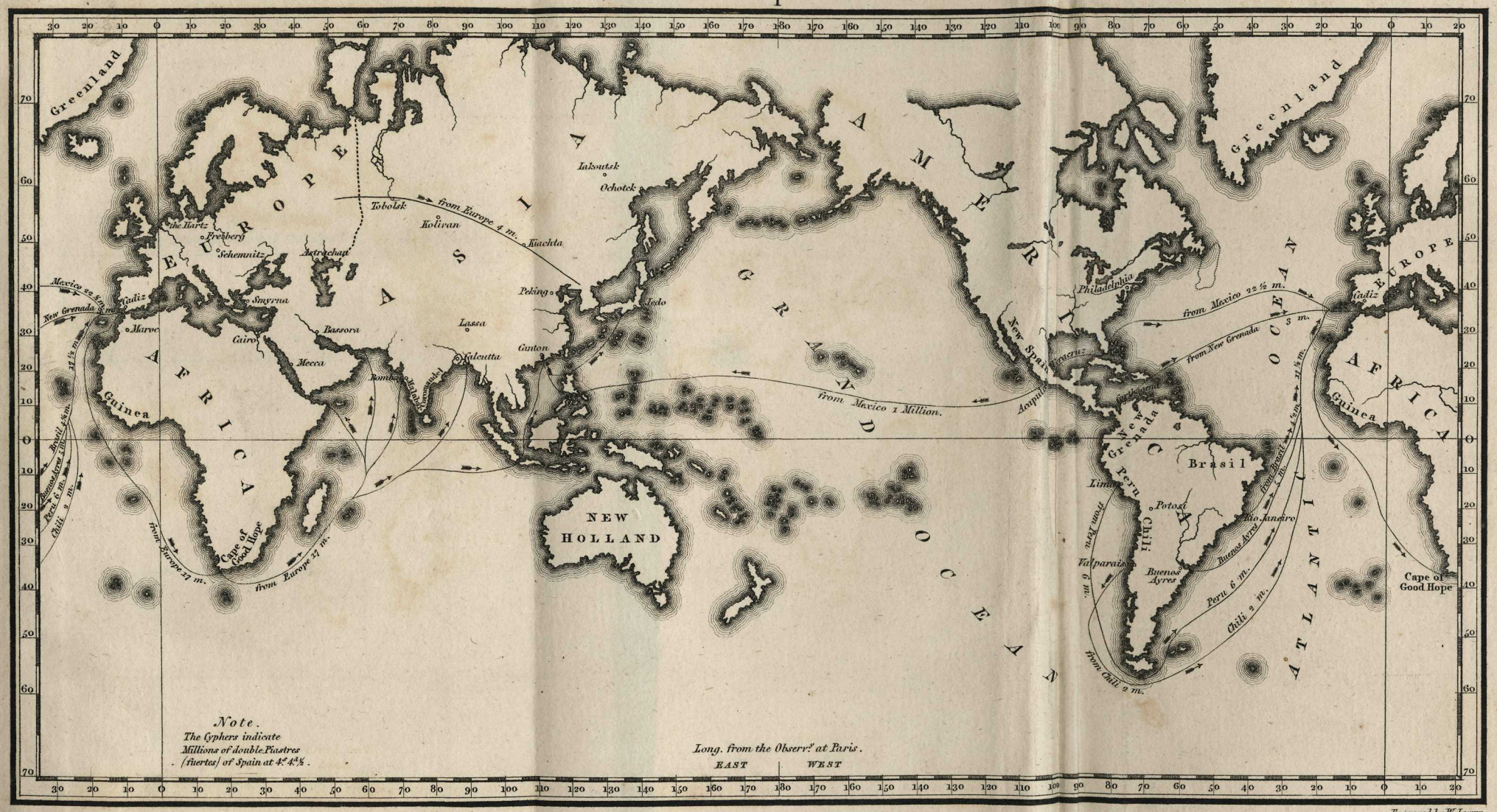
Drawn up from Barometrical measurement by M. DE HUMBOLDT.



Published by Longman & Co. Ox. st. Rio.

Engraved by Wilson Lowry.

A MAP OF
NEW SPAIN
from 16°. to 38°. North Latitude
reduced from the Large Map drawn from
astronomical observations at Mexico
in the Year 1804,
BY ALEXANDRE DE HUMBOLDT,
and comprehending the whole of the information contained in the
Original Map,
except the heights of the Mountains.
Longitude West from Greenwich
Longitude West from Paris
LOUISIANA
belonging to the United States of America
GULF OF MEXICO
GREAT EQUINOCTIAL OCEAN
(MAR DEL SUR ó OCEANO PACIFICO)
GULF OF CALIFORNIA
Vermilion Sea
GULF OF TEHUANTEPEC
ISLES OF REVILLAGIGEDO
EXPLANATION.
CAPITAL or large TOWN.
Less considerable Town, Borough.
Village.
Seat of the provincial Council of the Mines.
Real Mine.
Hacienda, Farm.
Rancho, Station of Maleteers.
Presidio, Military Post.
Astronomical Observation calculated by M. Ulmann.
A.N.C. MACPHERSON DEL.
COOPER SCULP.
Published as the Act directs, Oct.1st 1810 by Longman, Hurst, Rees, Orme and Brown



Engraved by W. Lowry.

Map of the different Channels by which the precious metals flow from the one Continent to the other.