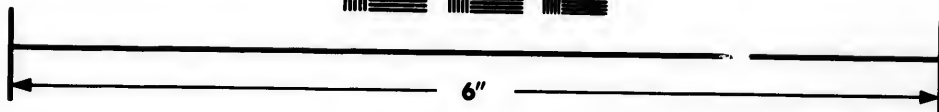
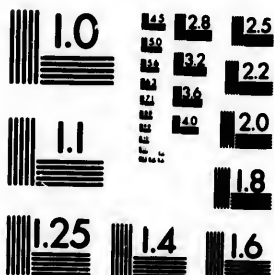


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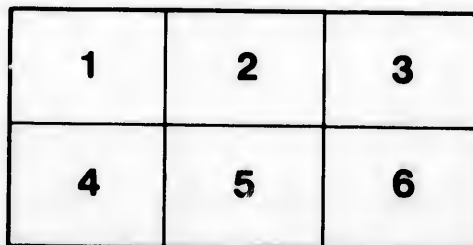
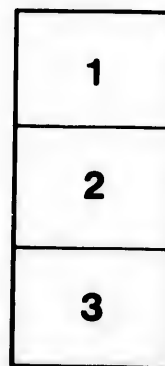
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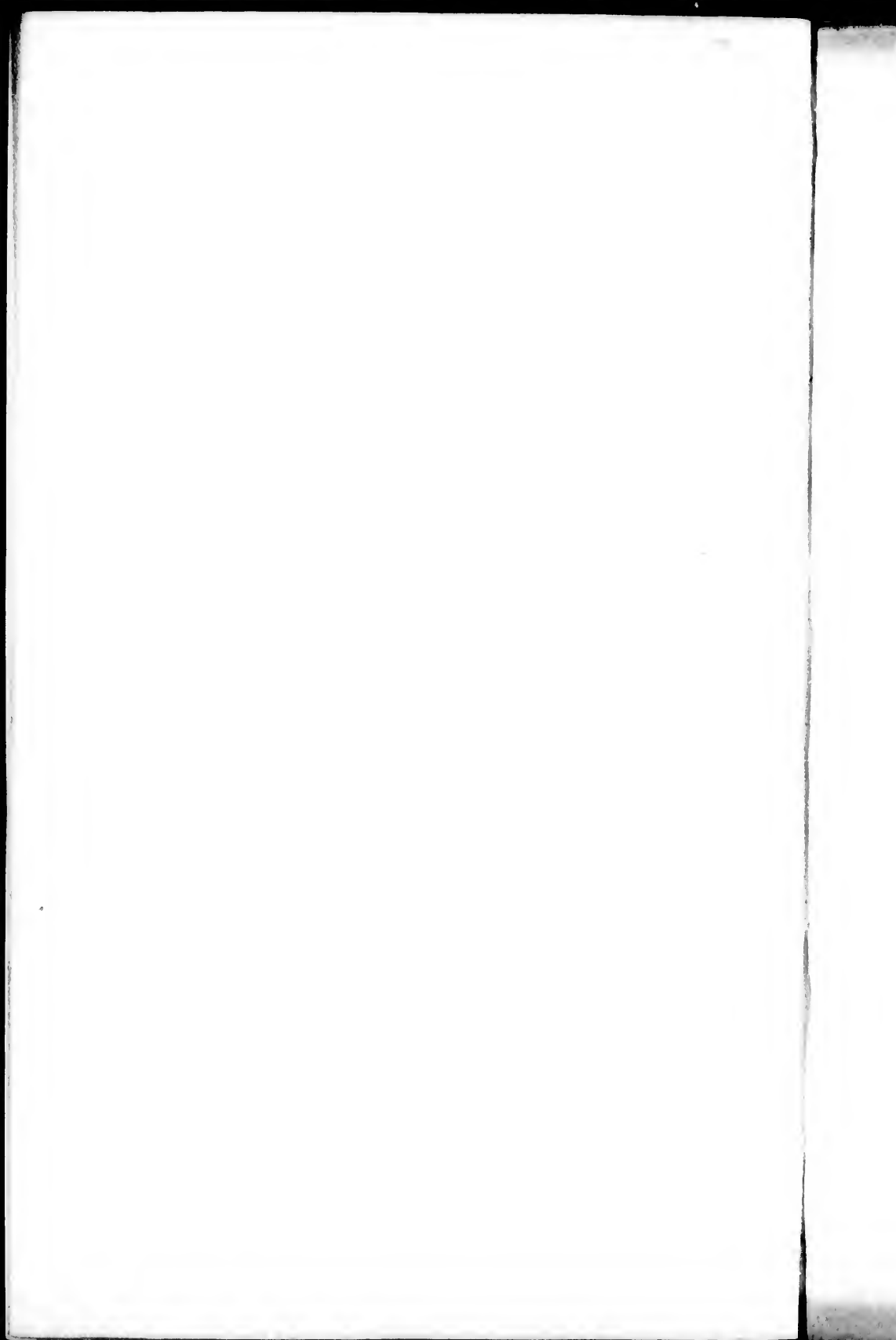
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PLATES

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.

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T. Davison, Lombard street,
Whitefriars, London.

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1. *Peak of Orizaba.*
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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.*

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1. *Index of the American Historical Association, 1900-1901*

1. Underfoot in Longman Pass? West of New York - 1922



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Of the Valley of Mexico.

And Neighbouring Mountains

and on the Spot in 1801, by Don Louis Martin.

Now modelled and corrected in 1807

in the Trigonometrical operations of

Don Joaquín Velasquez.

the Astronomical observations, and Barometrical measurements of W. de Humboldt.

By JABBO OLTMANN'S.



*... of Huachucoana conducts the waters of the Rio de Guautitlan by the Rio de Tula
... canals and the Rio de Barroco to the Atlantic Ocean. - The canals of Zumpango
... San Christobal (B.F.C) were added in 1796 & 1798. - The small canal of Vertidiers
... to throw the Dosague dry. - The canals (A.B) were projected to remove the
... which the City of Mexico is still exposed of inundations from the South and East.
Humboldt.*

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

*Eastern Extremity
of the Plain of
Toluca.*

*Extremity of
the Plain of
Cholula.*

Explanation

a CAPITAL or
 b Town.
 c Village.
 d Astron. observ.
 e Result of a Tr.
 (The number
 indicates the
 above the level of the Sea.)



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



The Rio de Lerma joins the Rio de Santiago in its way to the South Sea.
Eastern Extremity of the Plain of Toluca.

Explanation of Signs.

- Ⓐ CAPITAL or great CITY.
- Ⓜ Town.
- Ⓝ Village.
- ☉ Astron. observ. of Long. & Lat.
- ☽ " " " " of Lat.
- ☿ " " " " of Long.
- Δ Result of a Trigonom. Oper.ⁿ
(The number of wisas indicates the elevation above the level of the Sea.)

101°

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10'

20'

30'

MAP

Of the Valley of Mexico.

And Neighbouring Mountains

Sketched on the Spot in 1801, by Don Louis Martin,
and New modelled and corrected in 1807

from the Trigonometrical operations of

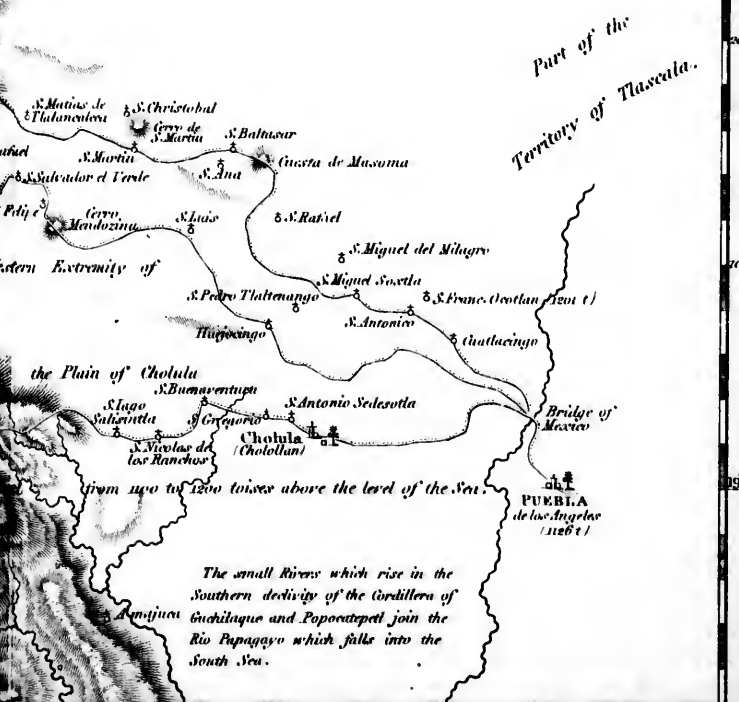
Don Joaquin Velasquez,

(and the Astronomical observations, and Barometrical
measurements of W. de Humboldt.)

By JABBO OLTMANN'S.

The Canal of Huachuacan conducts the waters of the Rio de Guautitlan by the Rio de Tula
or Montezuma and the Rio de Pannos to the Atlantic Ocean. - The Canals of Zunpango
(D.F.) and San Christobal (B.F.C) were added in 1796 & 1798. - The small Canal of Vertidiers
(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.



Part of the
Territory of Tlaxcala.

Western Extremity of

the Plain of Cholula

from up to 1200 toise 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.

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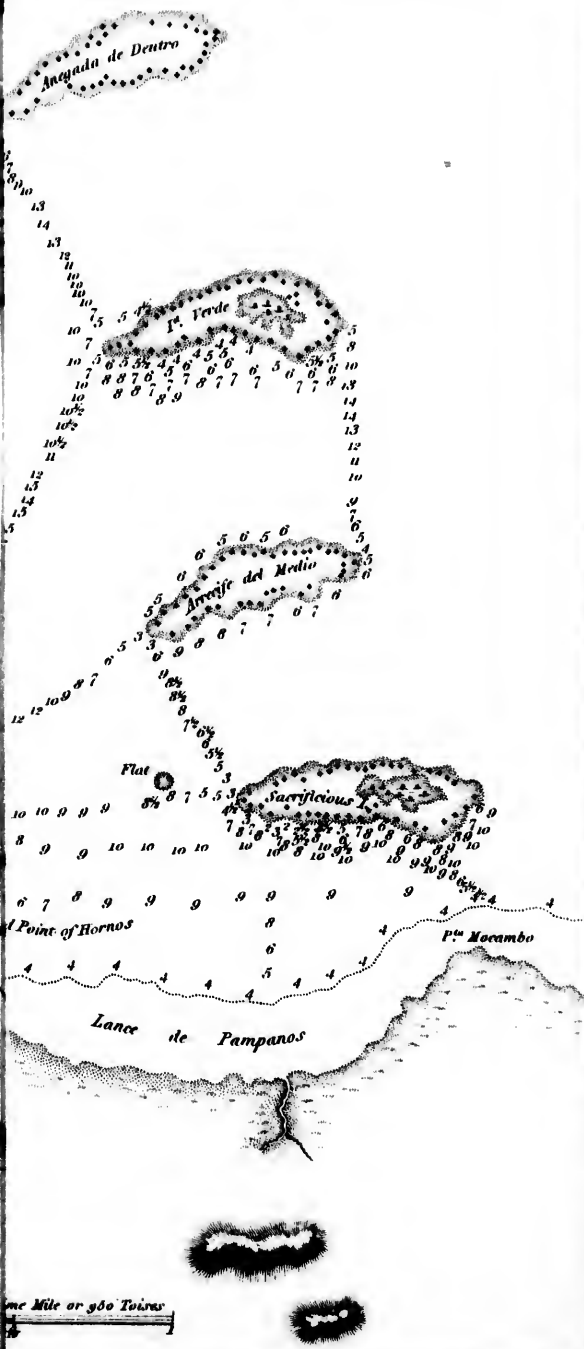
PLAN

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Ciudad de Perote

P^{ta} Delgada N. O. N. N. corr.
distant 7 Leguas

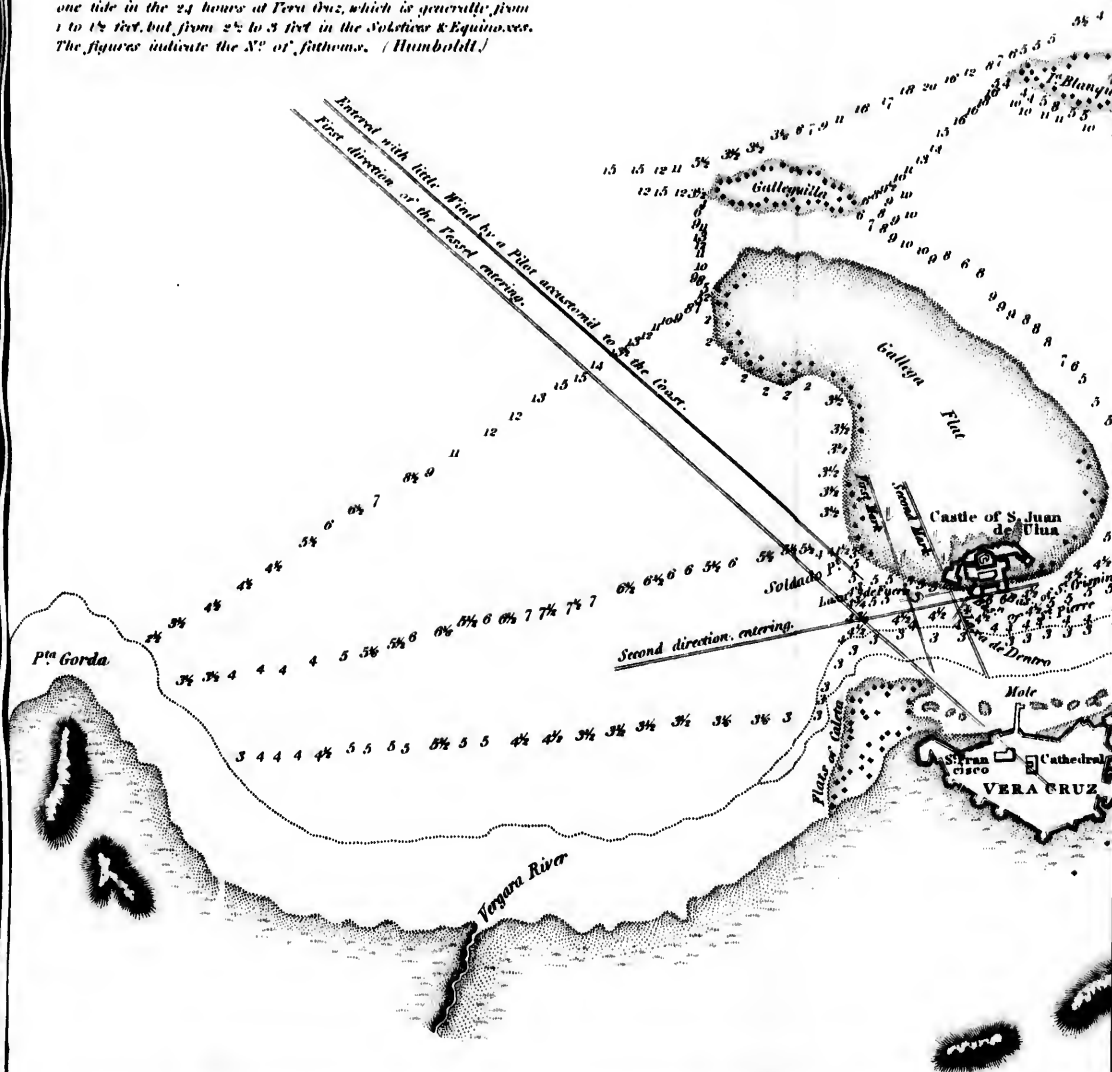
Vera Cruz / the most nor
North Lat. and 0° 33'
Paris). - Mean Temper
of Febru. - Annual
The north Wind is an
ter. During this Wind
ordinary variations
ry tides do not cover
one tide in the 24 ho
1 to 1½ feet, but from
The figures indicate

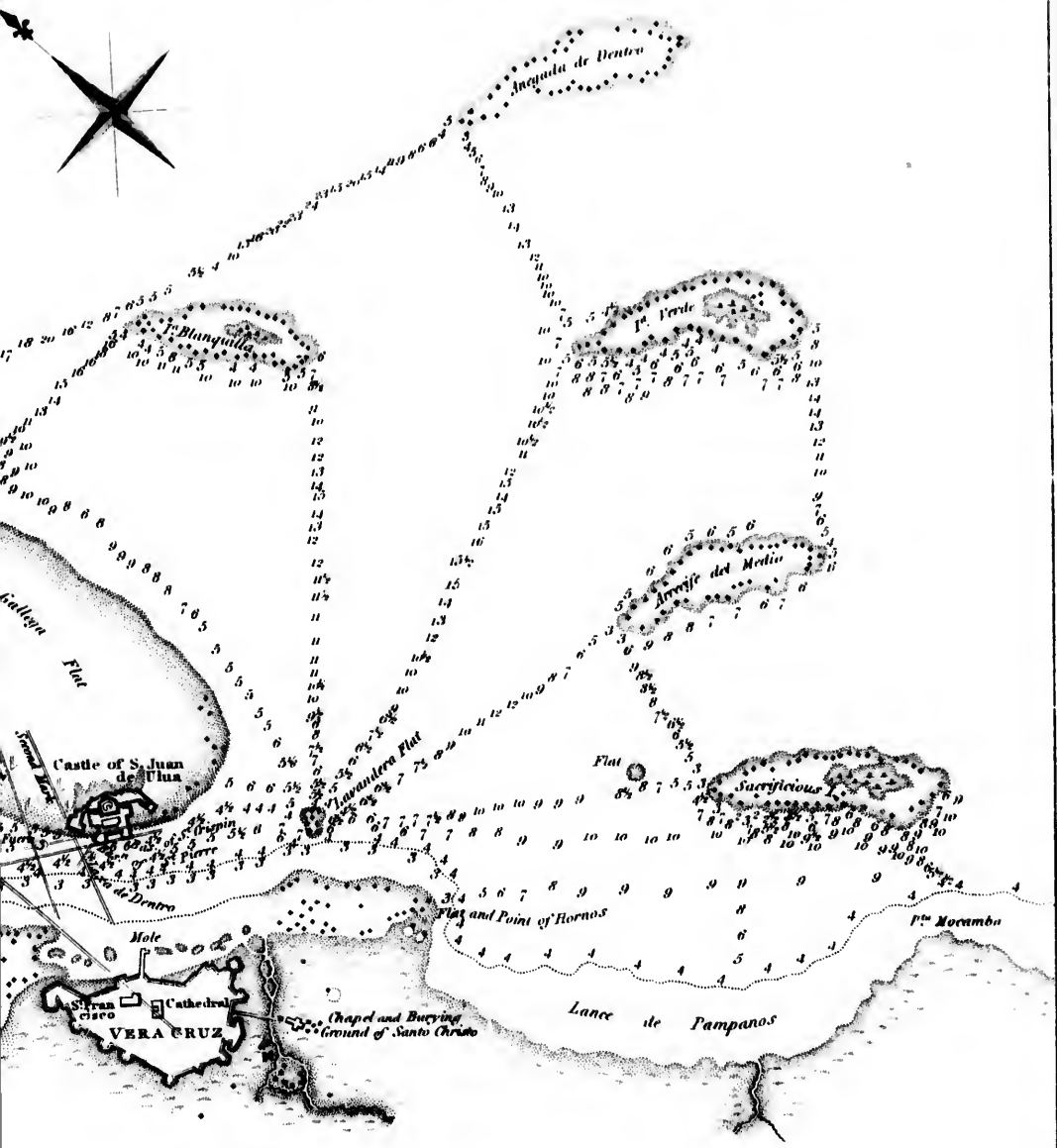
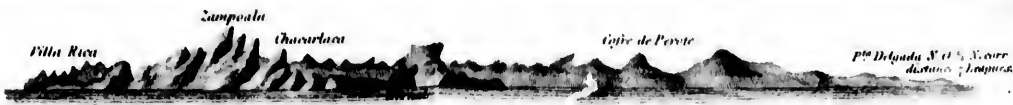


PLAN of the PORT of VERACRUZ.

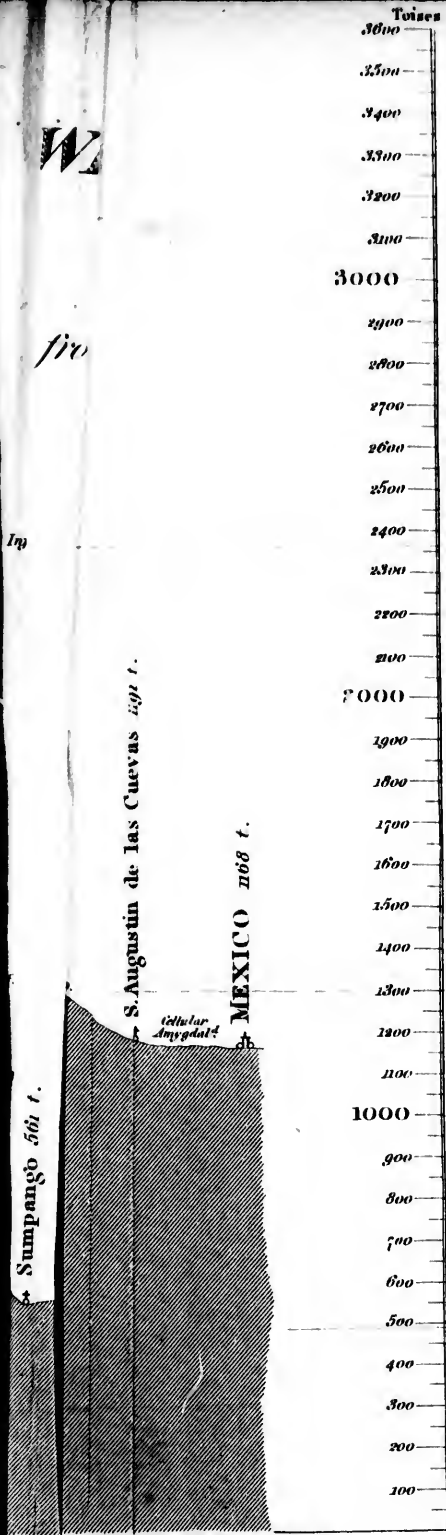


Vera Cruz (the most northern part of the City) lies in 19° 11.32" North Lat. and 97° 33.36" of West Longt. from the 1st Merid. of Paris. — Mean Temperature 23.5; of the Centigrade Therm. (77.14. of Fahren.) — Annual Quantity of rain from 89 to 94 inches. The north Wind is announced by a great change in the barometer. During this Wind the Mercury rises 4 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 N^o of fathoms. (Humboldt.)





Scale of one Maritime Mile or 360 Toises



Height of the Mount of S^t. Elie (on the S.W. Coast of America in 10^o 12' of Lat.) 2787 f. by Malmispin & 1980 f. by Lapérouse.
 Height of the Pic d'Orizaba.
 Height of Mount Blanc.
 Inf. limit of Snow under the 19^o 20' of N. Lat.
 Height of l'Aiguille d'Argentiere in Savoy.
 Height of the (unigou (in the Pyrenees)
 Inf. limit of perpet. Snow under the 45^o of North Lat. in Europe.
 Mean temperature 13^o 6' F.
 Height of the Pass of S^t. Gothard.
 Height of the Silver mines of Tasco & Tehuilotpec.
 Height of Baraje (in the Pyrenees)
 Height of Tarvius.
 Inf. limit of perpet. Snow under 65^o N. Lat.
 Height of the City of Caracas.

S. Augustin de las Cuevas 891 f.
 Cellular Amygdal.
 MEXICO 268 f.
 Sumpangb 561 f.

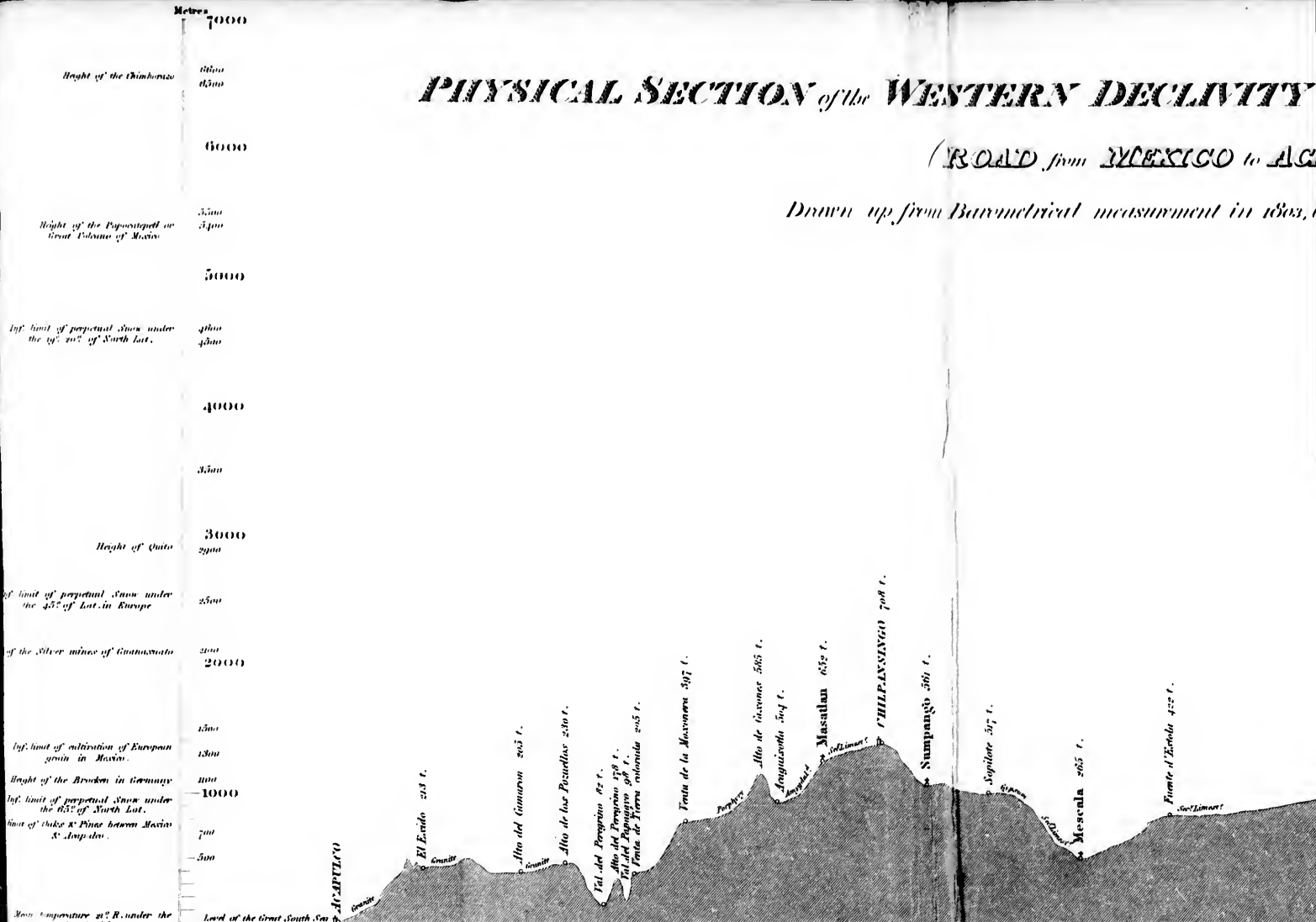
Lat. N. 10^o 25' 45".
 Lon. W. 101^o 25' 30".

Engraved by W. Levery.

PHYSICAL SECTION of the WESTERN DECLIVITY

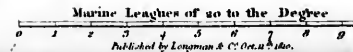
(ROAD from MEXICO to ACOHAHUAC)

Drawn up from Barometrical measurement in 1803,



Lat. N. 16° 50'; 20'
 Lon. W. 102° 0'; 0'

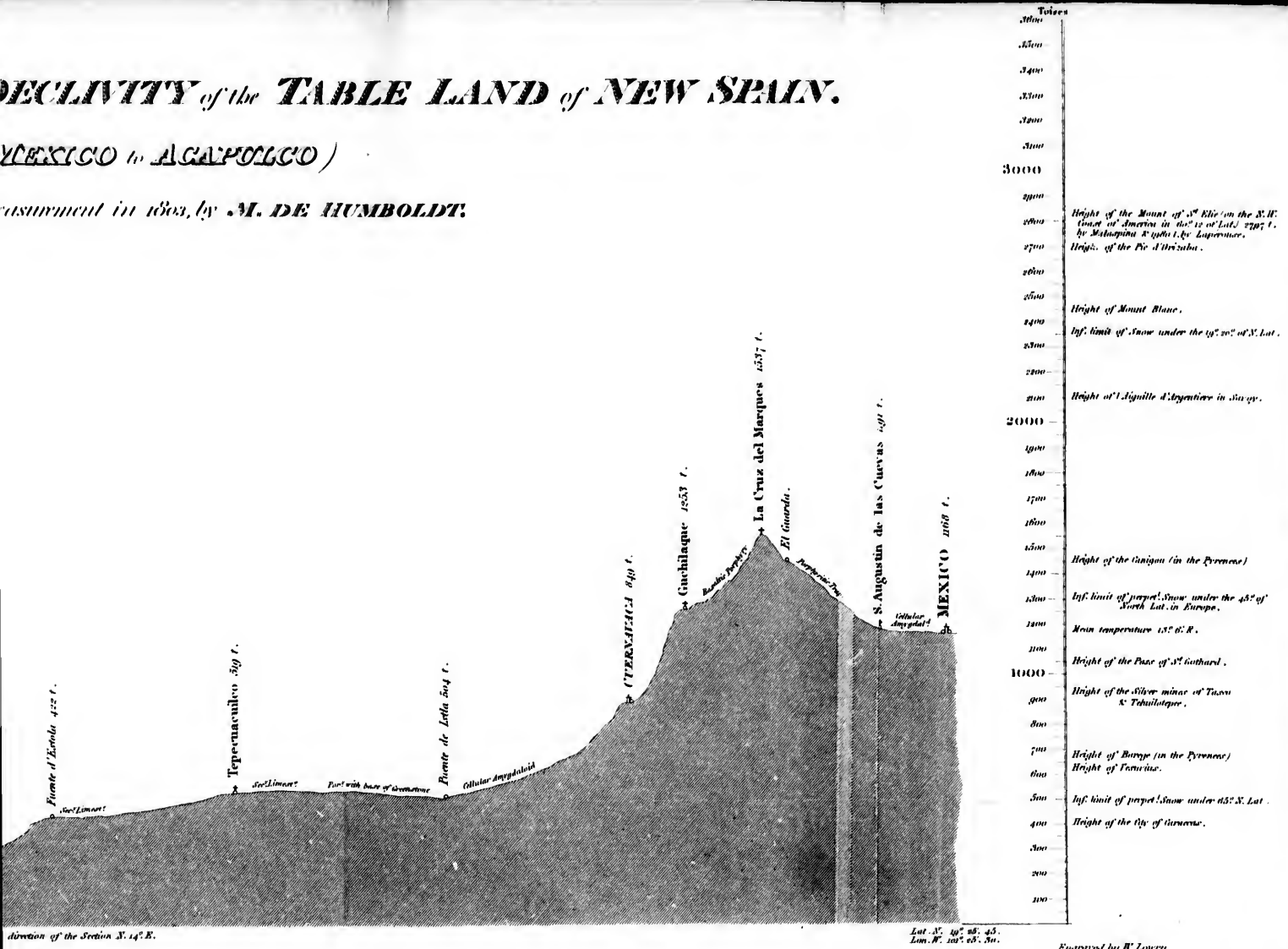
Mean direction of the section N. 14° E.



DECLIVITY of the TABLE LAND of NEW SPAIN.

(MEXICO to AGAPOLCO)

Measurement in 1803, by M. DE HUMBOLDT.



direction of the Section N. 14^o E.

Lat. N. 49^o 46'. 45.
Lon. W. 100^o 05'. 50.

Engraved by W. Leary.

Lengths of 50 to the Degree
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 Made by Longman & Co. in 1800.

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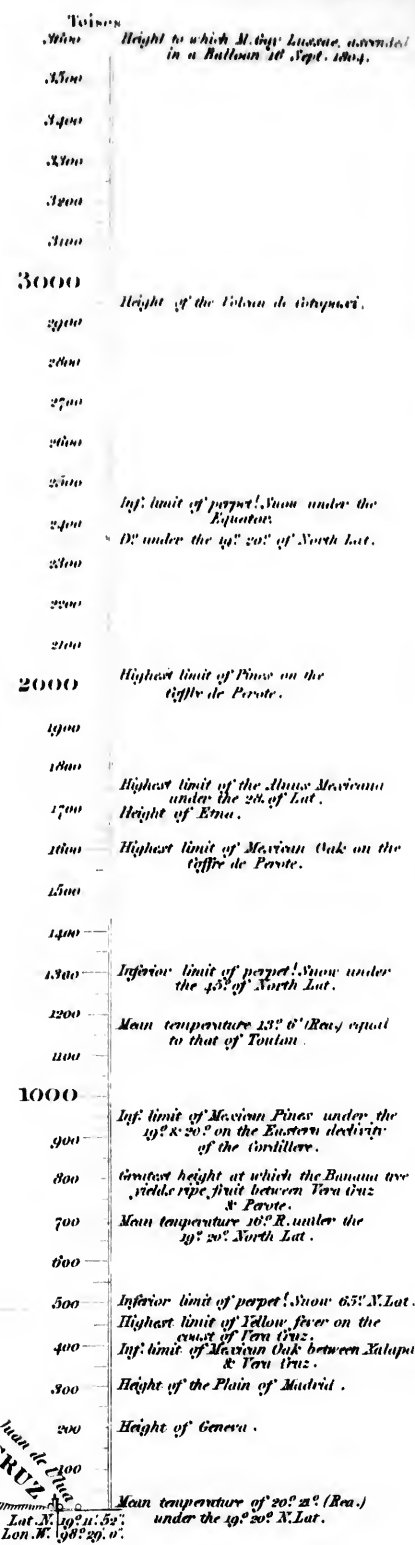
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VERA CRUZ

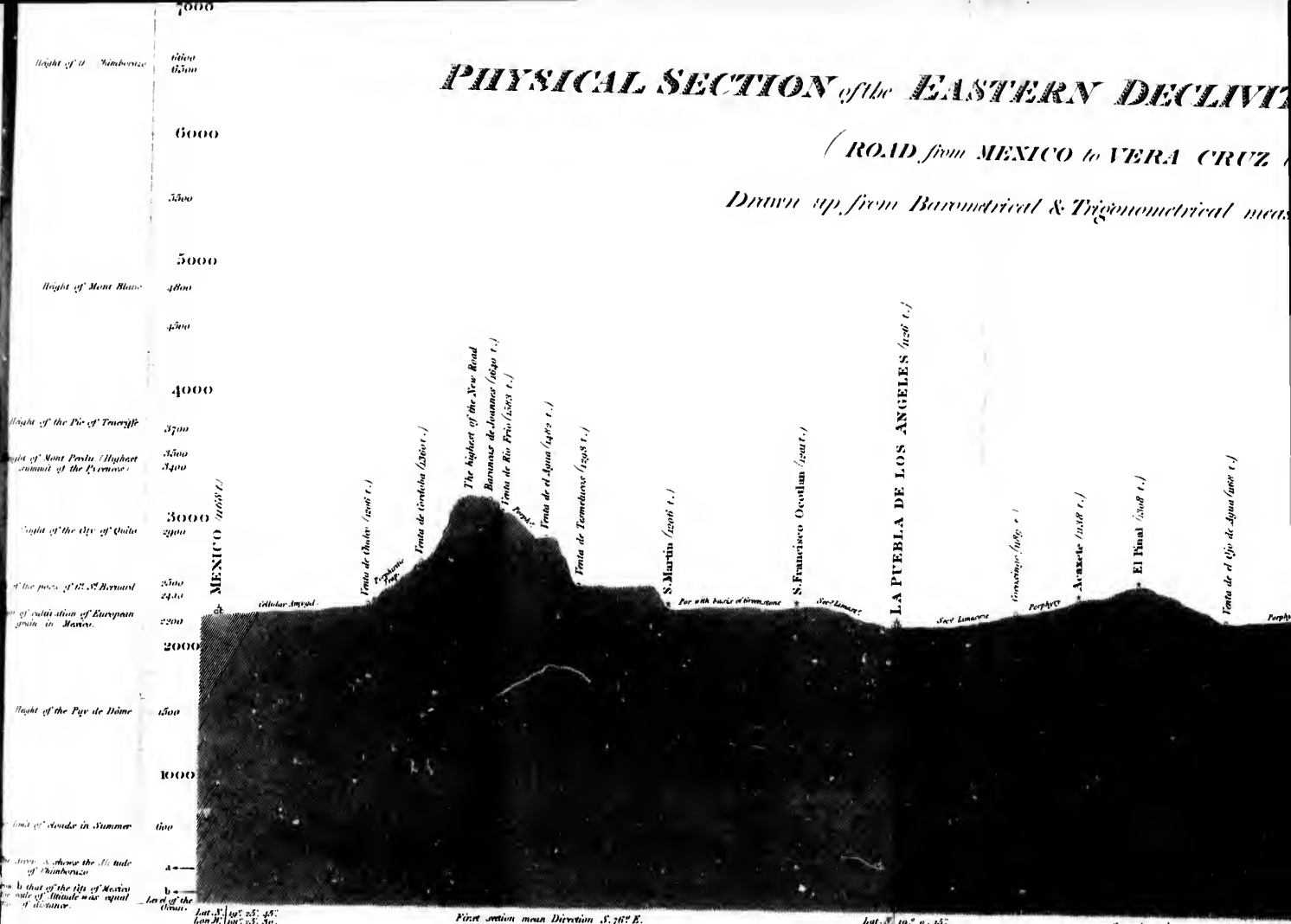
Lat. N. 19° 11' 52"
Lon. W. 98° 29' 0"

Engraved by Wilson Lowry.

PHYSICAL SECTION of the EASTERN DECLIVITY

(ROAD from MEXICO to VERA CRUZ)

Drawn up from Barometrical & Trigonometrical means



First section main Direction S. 76° E.

Lat. N. 19° 0' 15"
Lon. W. 100° 22' 45"

Second section main Direction N. 52°

Marine Lengths of 20 to the Degree
Published by Longman & Co. (over a 1/2) 1840.

Figure 1

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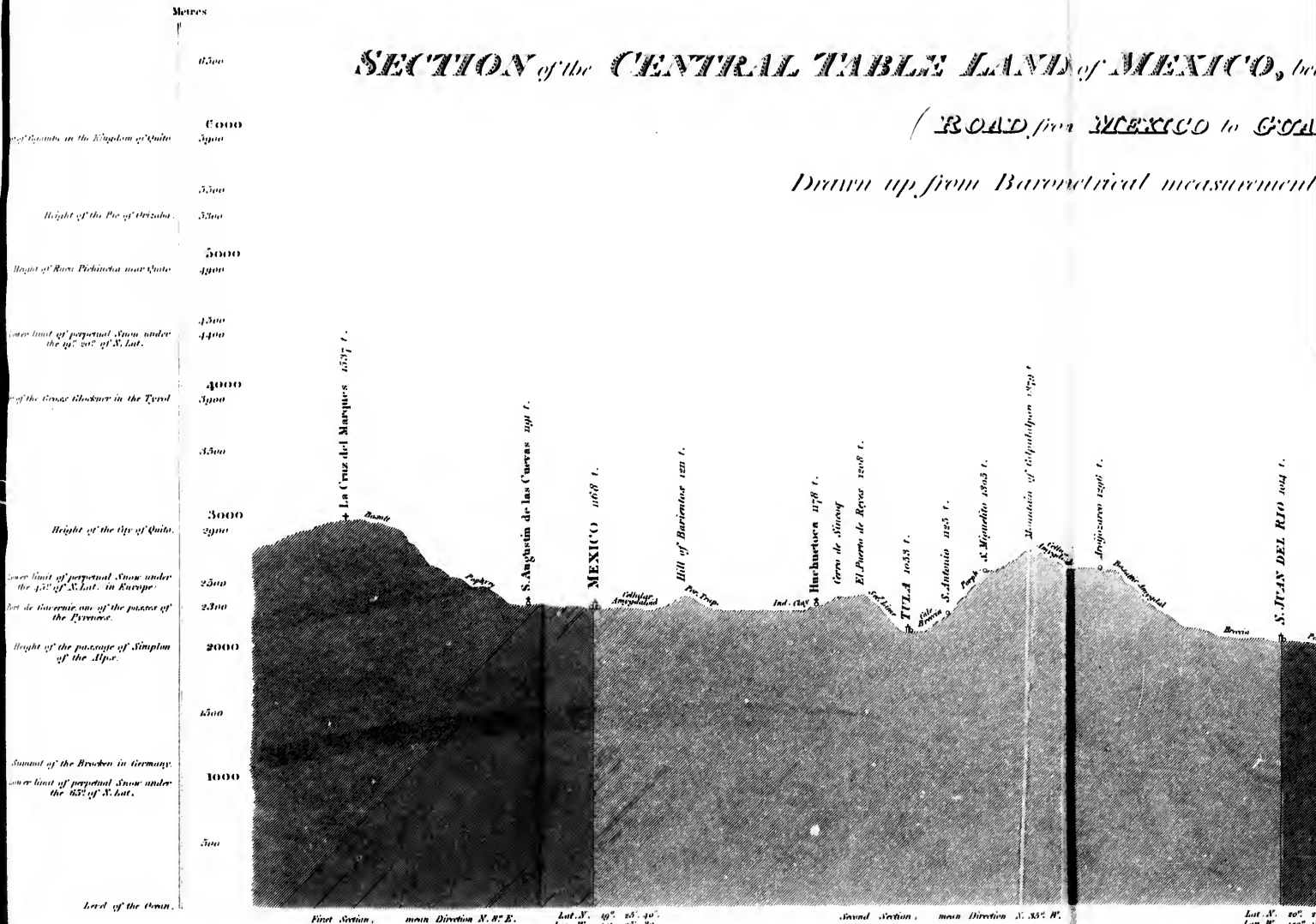
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SECTION of the CENTRAL TABLE LAND of MEXICO, (

ROAD from MEXICO to GOA)

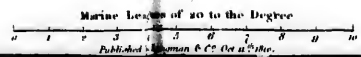
Drawn up from Barometrical measurement



First Section, main Direction N. 87° E. Lat. N. 49° 25' 30". Lon. W. 101° 25' 30".

Second Section, main Direction N. 35° W.

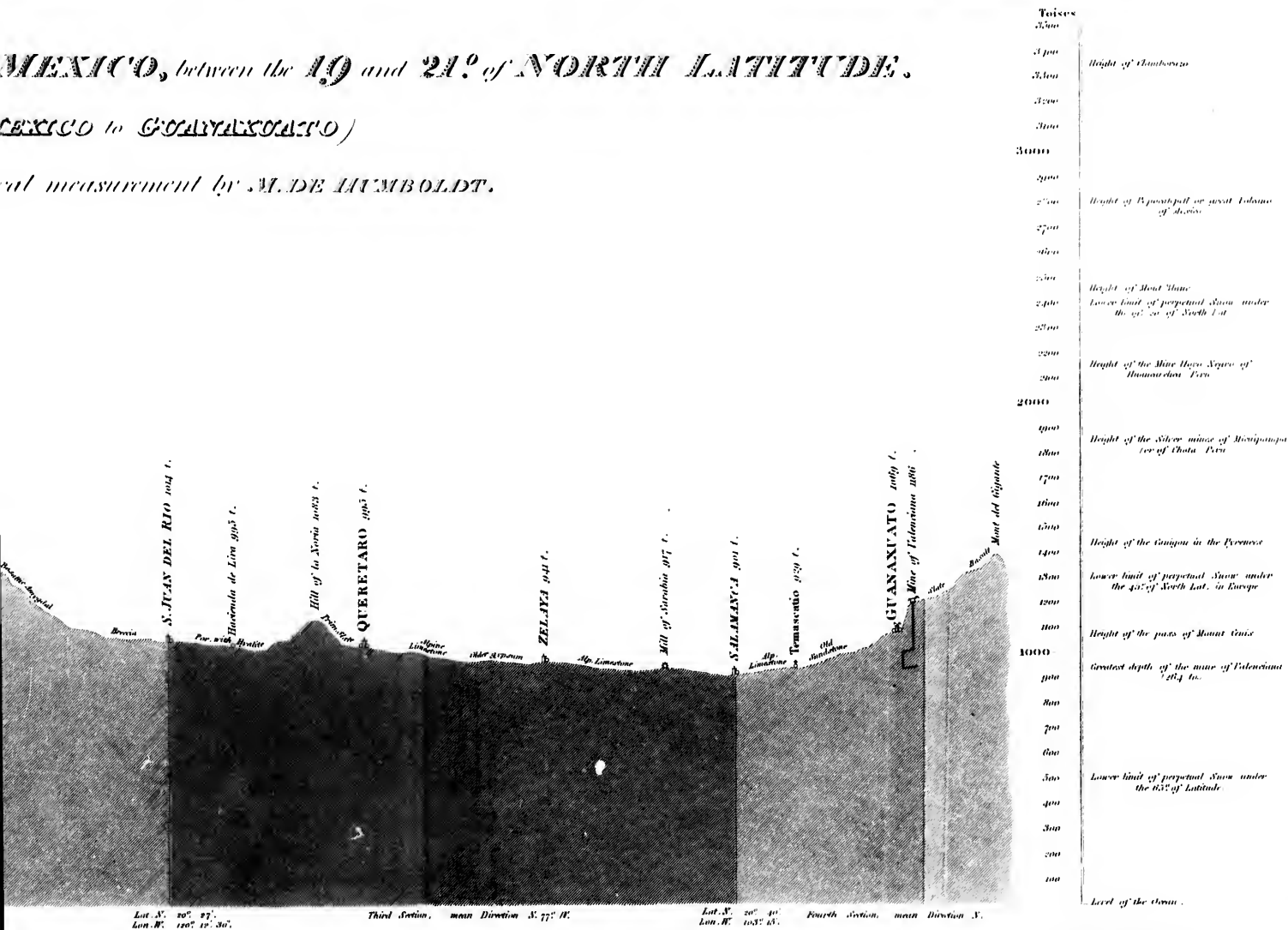
Lat. N. 20° 25' 30". Lon. W. 107° 15'



MEXICO, between the 19° and 21° of NORTH LATITUDE.

(MEXICO to GOAHAYACUATO)

Actual measurement by M. DE HUMBOLDT.



Engraved by Wilson Lowry.



**A MAP OF
NEW SPAIN**

reduced from the Large Map drawn from
astronomical observations at Mexico
in the Year 1804.

BY **ALEXANDER DE HUMBOLDT,**
and comprehending the whole of the information contained in the
Original Map,
except the heights of the Mountains.

Longitude West 110 From Greenwich 108 106 104 102 100 98 96 94 92 90 88 86 84 82 80

Latitude 30 32 34 36 38 40

LOUISIANA
Acquired by the Treaty of Paris
in the Year 1763

The Mountains
are shaded in Red

Sierra Madre Occidental

Sierra Madre Oriental

Nation of Carolina

Sierra Nevada

Sierra Nevada

Sierra Nevada

Sierra Nevada

Sierra Nevada

The State of Mexico is shaded in red
The State of Vera Cruz is shaded in red
The State of Yucatan is shaded in red
The State of Tabasco is shaded in red
The State of Chiapas is shaded in red
The State of Guatemala is shaded in red
The State of El Salvador is shaded in red
The State of Honduras is shaded in red
The State of Nicaragua is shaded in red
The State of Costa Rica is shaded in red
The State of Panama is shaded in red
The State of Colombia is shaded in red
The State of Venezuela is shaded in red
The State of the West Indies is shaded in red

Sierra Nevada

Sierra Nevada

Sierra Nevada

Sierra Nevada

Sierra Nevada

