

Cop. Glennie.

288

Lat 24° 0' 55" S
Durango 104° 47' 51" W
2 20 15
107 8 6 Per

Guarismey Lat 24° 5' 45" S
106° 5' 15" W
108° 25' 30" W

Ma. Cate
Dur. 24° 7'

1° axis Effi L 182 mm. 2.
place Durango mini lat. ref. Dant.
St. yua Durango, a 5000 ft 24° 38'
before 24° 38' in 1727; the latter
1766 = 24° 5' mini 24° 25'
de Tacatecas de C. L. yua 24° 25'
per letter. (Effi L 181) long etc 105° 55'
at 106° 50' Per

I have been very unlucky in my astronomical observations. In Durango & Guarismey I did not think it of so much importance, as I have to return to them in a better season, but now I am visiting places that I may not have to return to, I am very anxious to determine their situations, more especially as I find that to the North of Sombretete, Humboldt's map is of no use whatever, and will mislead greatly those who depend upon it. According to the observations I have had, Durango is in 24° 00' 55" North, and Longitude 104° 47' 51" West of Greenwich - Guarismey is in Latitude 24° 5' 45" North & Longitude 106° 5' 15" West of Greenwich. I do not consider these observations as very correct, on account of the difficulty I had in making them, from the unsettled state of the weather, but they are not very far from the truth. Jabilanes is N. East of Guarismey, Ventanas East. Tayoltita and Guadalupe S. S. West, and S. Dimas nearly West. By this you will see how incorrect Humboldt's map is. To the north of Durango it is still more so - at the end of my second days journey from Durango I encamped on the plain of Guatimapi, about half way between Texamer and S. Abiguel del Coneto - this was not more than 22 leagues from Durango, and from this to Canelas there are six long journeys. Therefore Canelas cannot be where it is placed in the map. At the end of the third day still travelling N. West I arrived at Santiago, and found that Papasquiario was only 4 leagues South of Santiago - From this it appears that the situation of Santiago and Papasquiario with regard to Durango is that of Xianori and Canelas in the map, but as the real situation of Durango is nearly that of S. Jose Tayoltita in the map, all the other places will be to the westward in proportion. I don't know why Santiago has not found a place in the map, it is a much more considerable town than Papasquiario. Here in Guanacavi, I have been up night after night at all hours, and I have had men watching to wake me when the sky cleared at all, but all without effect. I have not yet had a single observation and I have only had one sight of the comet, on the night that I arrived. Tomorrow I shall

have the Sun and moon, it has hitherto been clear in the
day time, I hope it will continue so.