

## DATA ON WHICH THE CHART

From the above position, QUIROS's discoveries in 1595 and 1606 have been thus deduced:—

	Leagues	Min.	D. long.	°	'	W. long. a Lima.	°	'	Long. a Lond.
MARQUESAS	1000	=3428	=3492	=58.12	+526	=4018	=66.58	+76.44	=143° 42' W.
S. BERNARDO	1400	4800	4889	81.29	795	5684	94.44		171.28
SOLITARY	1535	5262	5360	89.20	826	6186	103.6		179 50
STA. CRUZ	1800	6172	6287	104.47	945	7231	120.31		162.45' E.
The W. part } by FIGUEROA }	1850	6343	6461	107.41	971	7433	123.53		159.23

For if 1000 leagues give  $8^{\circ} 45' \frac{1}{2} = 526'$  the given number of leagues will shew the deficiency in that distance, or

$$116.24 : 133.55 :: \text{Long. given} : \text{True Long.}$$

	Lea <sup>a</sup> .	Dif. long.	W. long. a Lima.	°	'	Long. a Lond.
QUIROS's 1st island, } LA ENCARNACION, } in 25° S. lat.	1000	=3428'	+526'	=3954'	=4165'	=69° 25' +76° 44' =146° 9' W.
C <sup>o</sup> . is W. 11° 12' S.	4018 miles.					
TAUMACO in 10° S. lat.	1700	5829	893	6722	6831	113.52
						169.25 E.

The other discoveries made by QUIROS are regulated by these, and the time they were discovered, with some assistance from a few latitudes mentioned, and the general course from TAUMACO to MANICOLO. ST. BERNARDO\*, whose situation is given in

\* M. Pingré (p. 51) is certainly right in his application of the names to the first 13 islands discovered by Quiros in 1606; but his conjectures about St. Bernardo are obviously without foundation, independent of the improbability that the *same name* should be applied to *two* islands nearly in the *same* latitude; Quiros did *not* see this island on St. Bernard's day; and if the *name* was not applied by *him*, it is clear, he not only gave this island *no name*, but takes no notice of it; for in one of his memorials, where he recites the islands he *discovered* in this voyage, after Sagitaria, La Fugitiva, and La del Peregrino, he names N<sup>o</sup>. Sen<sup>o</sup>. del Socorro, Monterrey, and Tucopia. The *last*, Quiros, in the same memorial, says was the island where the natives of Taumaco swam away from the ship: and Torquemada tells us, this happened at the island in 12 deg. S. which was the first island they saw after leaving Taumaco.—From hence it appears, that Monterrey is the *name* Quiros gives to Taumaco, which indeed, as the first island they discovered with a port, it was very natural for him to name after the viceroys.