

gan making our provision of water on a convenient spot. In this operation, however, the following precautions are to be observed:—the boats must enter the river during high water, when the casks are immediately unloaded and floated up. They must not be filled till the ebb has carried off the salt water: on the return of the flood the boats are loaded, and leave the river again on the highest stand of the water. On the coast, where the water is taken, the bushes hang down into the sea, from which new roots spring up, which unite with the upper branches, and form together a green fence that covers the whole bank.

On the 25th, we paid a visit to the commandant of the fort Orta, at the entrance of the harbour. At the same time, the men were allowed to go on-shore, where they gathered as many oranges as they could carry. They saw in the wood, a stag, and several lizards, five feet long. Besides cats and dogs, stags are the only quadrupeds on the island; poisonous insects and serpents there are none.

On the 27th we again visited the governor. We found a great number of the natives in the town, who, there being no national dance here, performed a kind of ballet—the Reception of Cortes by Montezuma.

The 28th, our ship was well supplied with provisions, among which we had a live ox. We spent a very comfortable evening in company of the Spanish officers; and, on the morning, after having taken a grateful leave of them and the governor, who had purposely come down to the port, we heaved anchor, and at eight o'clock A.M. were out of the harbour.

We found the latitude of the harbour la

Calderona de Apra	18° 26' 41"
Longitude	215 9 54
Variation of the needle	5 34 E.
According to Marion's observation, the harbour lies in the longitude	216 10 00
According to Malespina, Umatak-bay lies	215 26 00

As the difference between Umatak-bay and the harbour of la Calderona de Apra can only be trifling, my longitude tolerably agrees with that of Malespina.

From Guaham to St. Helena.—Dec. 1st, lat. 16° 31', long. 219° 6'. We saw a great number of sea-birds. Arrowsmith's chart gives in this latitude a sand-bank, which is said to have also been seen by Spanish navigators.

On the 9th, we saw Barlington's rock, seven miles due south of us; we found its long. by the chronometers, 237° 13' 30", the latitude, 19° 58' 5". We now entered the Chinese sea, and immediately perceived the change of climate; instead of the almost ever-bright sky, stormy clouds are in this region, con-