

on ap. time at ship, the G. m. t. and the longitude by lunars.

Answer—Watch fast 27s. on ap. time.
G. m. t. 28d. 16h. 33m. 7s.
Long. $89^{\circ} 4' 30''$ W.

144. Nov. 29, 1858, in lat. $12^{\circ} 16' N.$ suppose the observed alt. of the moon's l.l. was $9^{\circ} 40'$ the alt. of the star Regulus, east of meridian, was $48^{\circ} 57'$ the observed distance of moon's nearest limb $39^{\circ} 23' 45''$ when 29d. 14h. 0m. 55s. were shewn by a chronometer, which was slow on G. m. t. 10m. 8s. on the 5th at noon, and losing daily 3.8s.—eye 21 feet. Instruments adjusted. Required the longitude by lunars and by chronometer.

Answer—Long. by lunars $6^{\circ} 15' 30'' E.$
do. by chron. $6^{\circ} 13' 30'' E.$