

8. 伊豆東海岸に於ける一等水準測量 第一回及第二回検測成果比較

曩に彙報第八號第三冊に於て豫告せし通り陸地測量部に委嘱し伊豆東海岸に於ける水準線路の一部に沿て第二回の水準測量を行へり。其成果を第一回検測（前掲彙報参照）のものと比較して求め得たる土地高低變化は附圖に掲ぐるが如し。

第一回竝に第二回検測作業の期間は次の如し。

第一回 昭和五年三月十五日より同年四月十四日迄。

第二回 昭和五年十一月十日より同年十二月四日迄。

今回の測量に於て特記すべきは作業中に昭和五年十一月二十六日の伊豆大震が発生せし事實なりとす。圖に示すが如く先原（9339 號）八幡野（9341 號）間の區分に於ては一方向の測量は實に地震發生の前日に於て施行せられ他方向の測量は發生直後に於て行はれたり。此兩方向の検測の閉塞差は圖に特記して參考に資す。

此機會を以て陸地測量部員が例の如く本所の爲め此の困難なる事業を遂行せられたる事を感謝し殊に今回は作業の央に於て大震災に遭遇されたるに關らず測量を繼續せられ以て有益なる資料を提供せられたる事に對し深厚なる敬意を表す。

（昭和六年一月十日 所長）

8. *Comparison of the Results of the First and Second Precise Levellings on the East Coast Route of the Province of Idu.*

As was described in our previous issue (Vol. VIII, Part 3), the second precise levelling along the east coast of the Province of Idu was carried out by the Land Survey Department at our request. The result of comparison of the present data with the previous ones (loc. cit.) is embodied in the synoptic map reproduced in the accompanying plate.

The time and duration of the field work for the two levellings were as follows:—

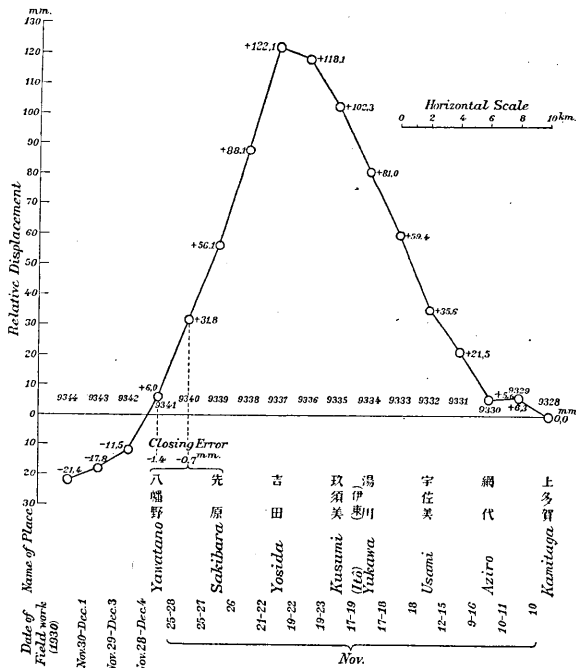
The first levelling: March 15—April 14, 1930.

The second levelling: November 10—December 4, 1930.

It is worthy of attention that, while the survey was being carried out, a great earthquake occurred on the northern part of the province on the 26th. of November, last. Indeed, the survey on two sections (namely, between the bench marks Nos. 9339-9341) was done in one direction on the day previous to the occurrence of the earthquake, and the same in the contrary direction just after it. The closing errors are shown in the plate. (Jan. 10th., 1921. The Director.)



線路圖
(數字ハ水準點番號ヲ示ス)
Map of route.
(Figures show the numbers
of bench marks.)



水準觀測断面圖 (上多賀ヲ不動點ト假定ス)
Profile showing relative vertical displacement.
(No. 9328 is assumed to be stationary.)

伊豆東海岸地方一等水準測量第一回及第二回檢測成果比較要圖
Comparison of the Results of the First and Second Precise Levellings
on the East Coast Route of the Province of Idu.