

INFORME FINAL XV EXPEDICIÓN

Como parte de la XV Expedición Ecuatoriana a la Antártica, la Universidad Técnica Particular de Loja, UTPL, a través del Ing. Richard Serrano, participó de la segunda fase del proyecto *ESTABLECIMIENTO DE UNA RED NO PERMANENTE DE GPS PARA INVESTIGACIONES GEODÉSICAS Y GEOFÍSICAS*.

La participación del delegado de la UTPL fue establecida para ser parte del Primer Grupo de Ingreso a la Estación Científica Pedro Vicente Maldonado. Durante la estancia en la estación se ejecutó la segunda fase de este proyecto, la misma que se consistió en la toma de datos formato RINEX de dos de las estaciones instaladas en la XIV Expedición.

La fase de campo se realizó en la Base Pedro Vicente Maldonado, Isla Greenwich, Islas Shetland del Sur, Antártica, del 06 al 27 de enero del 2011. En este periodo se hizo un recorrido para identificar el estado de los BM (clavos) que son parte de la Red.

El Método de Levantamiento ejecutado fue el Estático, cuyas características se muestran el cuadro 1.

Cuadro 1: Características de Levantamiento Estático

MÉTODO	PRECISIÓN	TIEMPO DE MEDIDA	APLICACIONES
Estático	0,5 – 2,5 cm	Mínimo 6 horas	Deformaciones geológicas, control geodésico, geofísica, grandes líneas de referencia.

El elipsoide de referencia usado en la campaña de medida fue WGS84. El Equipo de medida fue un GPS Diferencial Trimble 4700 y las fechas de la campaña, así como el tiempo de medida se detallan en el Cuadro 2.

Cuadro 2. Resumen de campaña de medida.

ESTACIÓN	FECHA DE CAMPAÑA	NÚMERO DE MEDICIONES	JORNADA	TIEMPO TOTAL DE MEDIDA
BM01	17 – 23 de enero 2011	6	NOCTURNA	82:10:15
BM02	20 – 25 de enero 2011	6	DIURNA	43:40:00

Los resultados de esta investigación están en proceso de publicación en revista indexada.



Ing. Richard Serrano
INVESTIGADOR

Adj. Invitación a publicar artículo.

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From Knowledge

to Wisdom

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Dear Dr. Serrano, R ,

We have read your excellent paper "LOCAL NON-PERMANENT GPS NETWORK TO REFERENCE GEODETIC AND GEOPHYSICS STUDIES IN GREENWICH ISLAND, SOUTH SHETLAND ISLANDS: RESULTS OF FIRST CAMPAING" from the "**XXXI SCAR - 4th OPEN SCIENCE CONFERENCE** " and we are pleased to pass on our regards to you. Hope to keep in touch by email and can publish some papers from you and your friends. As an American academic publishing group, we wish to become your friends if necessary.

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