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GEOBOL
PROGRAMA DEL SATELITE DE RECURSOS NATURALES
ERTS - BOLIVIA

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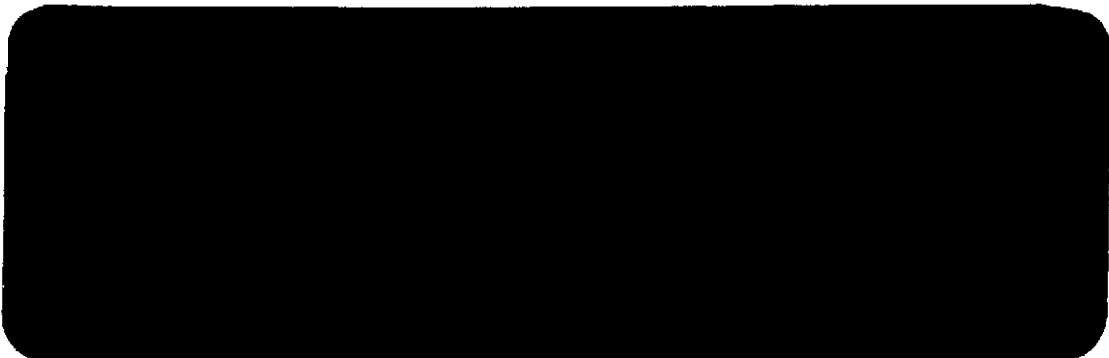
CASILLA DE CORREO 2729
CALLE FEDERICO ZUAZO 1673
Esq. REYES ORTIZ
La Paz - Bolivia

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SPACE PHOTOMAP OF THE SUBRE - BOLIVIA REGION

ERTS PROGRAM - BOLIVIA

Por: C.E. Brockmann
F. Ocampo Villa

Space Photomap of the Sucre-Bolivia region

ERTS PROGRAM- BOLIVIA

Por: C. .Brockmann
F. Ocampo Villa

I. GENERALITIES

On the "type I Report" which corresponds to the June-October 1972 period within the sphire of the objectives of the ERTS Program, it was promulgated the preparation of photomaps at diferent scales, with the objective of evaluating the geometric resolution which was the ERTS imagery presented by ERTS volume, forthe preparation of the first phisical pam of Bolivia, once that the entire images of the country was completed.

As a result of this planning the first "Space Photomap" of the Sucre-Bolivia zone was prepared, utilizing the ERTS-1 imagery which corresponds to the section, as an experimental new provisional cartographic product.

The "Space Photomap" includes part of the SE-19-12; SE-20-9; SE-19-16 and SE-20-13 sheets of the CUTM distribution, corresponding to the Bolivian Republic, reproduced at an approx imate scale of 1:250,000.

II. METHOD OF WORK:

For the elaboration of this first "Space Photomap" of the Sucre region, we utilized arts of the E-1008-13522-1 imagery of the RBV system, which was amplified in two parts: the first one, the format 70 x 70 mm. to 23 x 23 cm., obtaining as a result the 1:1,000.000 scale, and later passing to 1:250,000 scale. Forthis purpose, we utilized the controls available on the Sucre and adjacent sheets, which consists of a determined cartometric positions, localized in photoidentified cartographic details.

The specific projections are ones utilized in large scales. In this work we utilized the CUTM, as well as a series of squares according to the MT-5241-1 specifications; the marginal datum according to the model sheet TPC-25-50-100 with some modifications corresponding with the reproduction of impresion colors and with "intensified colors" in accordance with the I.P.G.M.'s publication No. 321. Space Photomap of the Sucre-Bolivia region - ERTS PROGRAM - Bolivia (Cont'd).

III. CONCLUCIONS:

The present cartographic productions was completed as an experiment. That is the main reason why the present photomap has many errors in its representation, among them is the lack of relation between the distribution of shee ts at an 1:250,000 scale; the quality of the reproduced imagery is not perfect: the format has to be studied again; the assigned colors werw put on the dry zone, and the preen color was operput on the region covered by xerophile vegetation.

All of these errors will be considerd for the next new map production. Due to the forementioned facts, the cartographic sub-program, the pertinent studies concerhing ERTS imagery processed by precision has been realized, that is to produce a new "Space Photomap" which will be reproduced with the use of the three RBV bands, utilising the system of "Irregular Small Points".

Once these an future problems that may appear in the present inves-
tigations are resolved, we can draw the conclusion that the ᴿRTS
imagery can be an excellent product applicable in cartography
when one applics respective control of the groundpoint.

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