

# institut géographique national

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Mr Allen WATKINS

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U.S.A.

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*(distributed 9-1-83)*

Dear Mr Watkins,

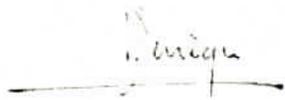
I apologize to be so late responding to your invitation. Unfortunately I could not go to Sioux Falls for the eighth Pecora symposium, but Mr Alain Baudoin, head of the SPOT project at I.G.N. and deputy chief of New Applications Service, will attend the symposium and will present the paper on "Integration of Oblique Space Imagery into Geographic Data Bases."

You will find hereafter a brief abstract of this presentation.

Mr Baudoin will arrive in Sioux Falls on the evening of Tuesday, October 4, and will stay until the end of the symposium. Could you send us a bill which is necessary to our administration in order to pay the registration fee.

Thank you in advance.

Sincerely yours



J. Denègre  
Head of New Applications Service at I.G.N.

DIRECTION GÉNÉRALE : 136 bis, rue de grenelle - 75700 paris - télex IGN GNL 204989 F

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Integration of Oblique Space Imagery  
into Geographic Data Bases

by Alain Baudoin,  
head of Spot Project at IGN-France  
(Institut Géographique National, Paris, France)

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Abstract : This paper will describe the interest of oblique space imagery from the SPOT satellite and how to integrate these data into geographic data bases.

In industrial countries where topographic and thematic data bases exist or are under development, oblique views from SPOT will be useful to minimize the effect of bad weather conditions in order to get useful images when they are required. In order to be compared or combined with other images or with other geographical data, these SPOT data will be geometrically rectified, taking into account distortions from the satellite and from the relief (with a digital terrain model).

In developing countries oblique views are required to get stereoscopic pairs in order to plot space maps with contour lines (and digital models). These maps derived from space imagery could be easily used to create geographical data bases (with at least relief data and land use data).

In both cases oblique and vertical space imagery could be used to up-date geographical data bases and to study the evolution of some cartographic themes or phenomena.

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