

Title

TLDB: A Global Data Base Designed for Rapid Digital Image Retrieval

Abstract

The TLDB (Target Location Data Base) was developed by the personnel at Rome Air Development Center (Griffiss AFB, NY) to meet the challenge of managing and utilizing a global digital imagery data base capable of displaying monoscopic digital imagery to the interpreter/analyst to support the target identification and location functions. The data base is composed of cells encompassing data within a one degree geographic square, which are further subdivided into 36 subsectors. Each ten minute square subsector contains its own set of doubly-linked lists, keyed on decreasing latitude and increasing longitude of the center of each digital image.

Experience with the system has shown that the display of a 1024 by 1024 digital image, centered about an operator-entered coordinate pair, takes approximately ten seconds, and includes the necessary ancilliary data needed to perform the monoscopic target location function.

Authors

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