

## GEOLO - Local Geographic (lat/long) Coordinate System

For rectified data (rows and columns are aligned with the coordinate system axis) GEOLO provides the description of the link between the local coordinate system (rows and columns) and the absolute geographic coordinate system (longitude and latitude) defined by GEOPS. The user-defined fields of the GEOLO extension are detailed below. A single GEOLO is placed in the Image Subheader.

FIELD	NAME	SIZE	VALUE RANGE	TYPE
CETAG	<u>Unique Extension Identifier</u> The last character identifies the version of the TRE.	6	BCS-A <b>GEOLOB</b>	R
CEL	<u>Length of Data to Follow</u> The CEL Field value shall be equal to <b>00048</b>	5	BCS-N positive integer <b>00048</b>	R
The following fields define GEOLO...				
ARV	<u>Longitude density</u> This field shall contain the pixel ground spacing in E/W direction that is the number of pixels or elements intervals in 360°.	9	BCS-N positive integer <b>00000002</b> to <b>99999999</b>	R
BRV	<u>Latitude density</u> This field shall contain the pixel ground spacing in N/S direction that is the number of pixels or elements intervals in 360°.	9	BCS-N positive integer <b>00000002</b> to <b>99999999</b>	R
LSO	<u>Longitude of Reference Origin</u> This field shall contain the longitude of the origin pixel (row number 0, column number 0) in the absolute coordinate system.	15	BCS-N	R
PSO	<u>Latitude of Reference Origin</u> This field shall contain the latitude of the origin pixel (row number 0, column number 0) in the absolute coordinate system.	15	BCS-N	R