

BLOCK - Image Block Information

Image Block Information is optional, but often needed for exploitation of imagery. BLOCK is placed in the image subheader with the corresponding AIMID and ACFT extensions. The format for the user defined fields of the BLOCKA extension and a description of their contents is detailed in Table 1.

TABLE 1 BLOCKA – IMAGE BLOCK INFORMATION EXTENSION FORMAT

R = REQUIRED, C = CONDITIONAL, <> = BCS SPACES ALLOWED FOR ENTIRE FIELD

Field	Name	Size	Value Range	Units	Type
CETAG	Unique Extension Identifier.	6	BLOCKA	N/A	R
CEL	Length of Entire Tagged Record.	5	00123	bytes	R
The following fields define BLOCKA					
BLOCK_INSTANCE	Block number of this image block.	2	01 to 99		R
N_GRAY	SAR: The number of gray fill pixels. EO-IR: 00000	5	00000 to 99999		R
L_LINES	Row Count.	5	00001 to 99999		R
LAYOVER_ANGLE	<u>Layover Angle</u> . SAR: The angle between the first row of pixels (NITF row 1) and the layover direction in the image, measured in a clockwise direction. Defaults to spaces. EO-IR: spaces.	3	000 to 359, spaces	degrees	<R>
SHADOW_ANGLE	<u>Shadow Angle</u> . SAR: The angle between the first row of pixels (NITF row 1) and the radar shadow in the image, measured in a clockwise direction. Defaults to spaces. EO-IR: spaces.	3	000 to 359, spaces	degrees	<R>
(reserved-001)		16	16 spaces		R
<p>The following four fields repeat earth coordinates image corner locations described by IGEOLO in the NITF image subheader, but provide higher precision. . Note that the order of these coordinates is different from IGEOLO. Spaces indicate the value of a coordinate is unavailable or inapplicable.</p> <p>The format Xddmmss.cc represents degrees (00 to 89), minutes (00 to 59), seconds (00 to 59), and hundredths of seconds (00 to 99) of latitude, with X = N for north or S for south, and Yddmmss.cc represents degrees (000 to 179), minutes (00 to 59), seconds (00 to 59), and hundredths of seconds (00 to 99) of longitude, with Y = E for east or W for west.</p> <p>The format ±dd.dddddd indicates degrees of latitude (north is positive), and ±ddd.dddddd represents degrees of longitude (east is positive).</p>					
FRLC_LOC	First Row Last Column Location. Location of the first row, last column of the image block.	21	Xddmmss.ssYddmmss.ss, ±dd.dddddd±ddd.dddddd spaces		<R>
LRLC_LOC	Last Row Last Column Location. Location of the last row, last column of the image block.	21	Xddmmss.ssYddmmss.ss, ±dd.dddddd±ddd.dddddd spaces		<R>
LRFC_LOC	Last Row First Column Location. Location of the last row, first column of the image block.	21	Xddmmss.ssYddmmss.ss, ±dd.dddddd±ddd.dddddd spaces		<R>
FRFC_LOC	First Row First Column Location. Location of the first row, first column of the image block.	21	Xddmmss.ssYddmmss.ss, ±dd.dddddd±ddd.dddddd spaces		<R>
(reserved-002)		5	010.0		R

