

Table 1 provides the metadata for a calibrated sensor in order to derive precise geopositions. Table 2 lists the metadata for the platform, which may be required to derive some of the information appearing in Table 1.

Guide to abbreviations in the table:
Obligation (Oblig): M-mandatory, C-conditional, O-optional
VBI: A marker indicates the metadata "inherits by image", as opposed to metadata that tend to stay constant over a single data collection session.

Guide to Parameter ID in the table (list columns):
ID 1 - 38 are from Table 1 of NGA_S10_P002_2.1
ID 39 - 51 are from Table 2 of NGA_S10_P002_2.1
ID 52 - ... are additional parameters outside of the FSMMP documentation

Table with 5 columns: ID, VBI, FSMMP_Metadata, XML_Keywords, Units, Oblig, Definition_&Comments. Rows include Sensor Type, Imaging Blocks, # Columns, # Rows, Collection Time, Sensor Perspective Center X, Sensor Perspective Center Y, Sensor Perspective Center Z, Sensor Exterior Orientation, Sensor Velocity (VX), Sensor Velocity (VY), Sensor Velocity (VZ), Focal Length, Focal Length Flag, Calibration Date, Focal Length Adjustment, Prin. Point Offset X0, Prin. Point Offset Y0, Prin. Point Offset Covar, Image Coordinate Reference, Position/Attitude Variances, Position/Attitude Covars, Focal Length Variance, Column Spacing, Row Spacing, Affine Transformation, Affine Transformation Covars, Column Axis Offset, Row Axis Offset, Radial Distortions, Radial Distortion Covars, Decentering Distortions, Decentering Dist. Covars, Atmospheric Correction By Data Layer, Atmospheric Correction Top Height, Atmospheric Correction Bottom Height, Atmospheric Correction Algorithm Name, Atmospheric Correction Algorithm Version.

Start of Table 2 metadata:

Table with 5 columns: ID, VBI, FSMMP_Metadata, XML_Keywords, Units, Oblig, Definition_&Comments. Rows include Spherics Flag, Platform Time, Platform geolocation, Platform true heading, Platform pitch, Platform roll, GPS lever arm offset, INS lever arm offset, Sensor Offset Vector X, Sensor Offset Vector Y, Sensor Offset Vector Z, Sensor Roll, Sensor Pitch, Sensor Yaw, Quaternions of Attitude Reference Point.

Start of metadata not defined in CDM FSMMP 2.1 documentation:

Table with 5 columns: ID, VBI, FSMMP_Metadata, XML_Keywords, Units, Oblig, Definition_&Comments. Rows include Major version, Minor version, FSMMP version, Frame Number, Sensor Name.

*** End parameters ***