



ArcGIS Metadata Fields for Laser Offset and Orthometric Height

***Method Legend:**

1 = Standard Laser Offset

2 = Range-Backsight Offset

3 = Range-Range Intersect

4 = Orthometric Height

(Mandatory fields are in **bold**)

Metadata Fields for Laser Offset and Orthometric Height			
Field Name	Default Field Alias	Method*	Description
ESRIGNSS_RECEIVER	Receiver Name	1,2,3,4	Arrow GNSS Receiver name
EOSLASER_METHOD	Measurement Method	1,2,3,4	The laser method used for the offset measurements or Orthometric Height
ESRIGNSS_LATITUDE	Offset Point Latitude	1,2,3,4	Latitude of computed point
ESRIGNSS_LONGITUDE	Offset Point Longitude	1,2,3,4	Longitude of computed point
ESRIGNSS_ALTITUDE	Offset Point HAE (ellipsoidal)	1,2,3,4	Ellipsoidal height of computed point
EOS_ORTHO_HEIGHT	Orthometric Height	1,2,3,4	Orthometric height of computed point (if enabled in Eos Tools Pro)
EOS_UNDULATION	Altitude Undulation	1,2,3,4	Altitude undulation
EOS_GEOID_MODEL	Geoid Model	1,2,3,4	Geoid model used for orthometric height computation
EOSLASER_DEVICE	Bluetooth Laser Device	1,2,3,4	Bluetooth laser device model and serial number used
EOSLASER_GNSSANTH	GNSS Antenna Height	1,2,3,4	GNSS antenna height including phase center (when using RTK). Value set in Eos Tools Pro
EOSLASER_DEVICEH	Laser Device Height	1,2,3	Measured laser device height. Value set in Eos Tools Pro
EOSLASER_MAGDEC	Magnetic Declination	1	Magnetic declination used in Method 1. Set in Eos Tools Pro
EOSLASER_CTL1_LAT	CP1 Latitude	1,2,3,4	Control Point 1 latitude
EOSLASER_CTL1_LON	CP1 Longitude	1,2,3,4	Control Point 1 longitude
EOSLASER_CTL1_ALT	CP1 Altitude	1,2,3,4	Control Point 1 altitude (orthometric if enabled)
EOSLASER_CTL1_HRMS	CP1 HRMS	1,2,3,4	Control Point 1 estimated horizontal accuracy
EOSLASER_CTL1_SATS	CP1 Number of Sats	1,2,3,4	Averaged number of satellites used at Control Point 1
EOSLASER_CTL1_FIXTYPE	CP1 Fix Type	1,2,3,4	Fix type of Control Point 1 (RTK Fixed, RTK Float, etc)
EOSLASER_CTL1_AGE	CP1 Diff Age	1,2,3,4	Average age of differential correction at Control Point 1
EOSLASER_CTL1_DIFFID	CP1 Station ID	1,2,3,4	Station ID of the source of differential correction at Control Point 1
EOSLASER_CTL1_AVG	CP1 Points Averaged	1,2,3,4	Number of points averaged at Control Point 1
EOSLASER_CTL1_SLDIST	CP1 Laser Slope Distance	1,2,3,4	Laser slope distance measurement from Control Point 1
EOSLASER_CTL1_AZI	CP1 Laser Azimuth	1,2,3,4	Laser/manual azimuth from Control Point 1

EOSLASER_CTL1_SL	CP1 Laser Inclination	1,2,3,4	Laser inclination measurement from Control Point 1
EOSLASER_BS_LAT	Backsight Latitude	2	Backsight latitude
EOSLASER_BS_LON	Backsight Longitude	2	Backsight longitude
EOSLASER_BS_ALT	Backsight Altitude	2	Backsight altitude (orthometric if enabled)
EOSLASER_BS_HRMS	Backsight HRMS	2	Backsight estimated horizontal accuracy
EOSLASER_BS_SATS	Backsight Number of Sats	2	Averaged number of satellites used at Backsight
EOSLASER_BS_FIXTYPE	Backsight Fix Type	2	Fix type of Backsight (RTK Fixed, RTK Float, etc)
EOSLASER_BS_AGE	Backsight Diff Age	2	Average age of differential correction at Backsight
EOSLASER_BS_DIFFID	Backsight Station ID	2	Station ID of the source of differential correction at Backsight
EOSLASER_BS_AVG	Backsight Points Averaged	2	Number of points averaged at Backsight
EOSLASER_BS_SLDIST	Backsight Slope Distance	2	Laser slope distance measurement to Backsight
EOSLASER_BS_AZI	Backsight Azimuth	2	Laser/manual azimuth to Backsight
EOSLASER_BS_SL	Backsight Inclination	2	Laser inclination measurement to Backsight
EOSLASER_BS_TRUEAZI	Computed True Azimuth	2	Computed true azimuth between Control Point 1 and Backsight point
EOSLASER_BS_AZICORR	Azimuth Correction	2	Azimuth correction / compensation that is applied to the TruAngle encoder reading
EOSLASER_CTL2_LAT	CP2 Latitude	3	Control Point 2 latitude
EOSLASER_CTL2_LON	CP2 Longitude	3	Control Point 2 longitude
EOSLASER_CTL2_ALT	CP2 Altitude	3	Control Point 2 altitude (orthometric if enabled)
EOSLASER_CTL2_HRMS	CP2 HRMS	3	Control Point 2 estimated horizontal accuracy
EOSLASER_CTL2_SATS	CP2 Number of Sats	3	Averaged number of satellites used at Control Point 2
EOSLASER_CTL2_FIXTYPE	CP2 Fix Type	3	Fix type of Control Point 2 (RTK Fixed, RTK Float, etc)
EOSLASER_CTL2_AGE	CP2 Differential Age	3	Average age of differential correction at Control Point 2
EOSLASER_CTL2_DIFFID	CP2 Station ID	3	Station ID of the source of differential correction at Control Point 2
EOSLASER_CTL2_AVG	CP2 Points Averaged	3	Number of points averaged at Control Point 2
EOSLASER_CTL2_SLDIST	CP2 Laser Slope Distance	3	Laser slope distance measurement from Control Point 2
EOSLASER_CTL2_AZI	CP2 Laser Azimuth	3	Laser/manual azimuth from Control Point 2
EOSLASER_CTL2_SL	CP2 Laser Inclination	3	Laser inclination measurement from Control Point 2