

DPH-9.2 Data Quality Measure (DQM) Report on Overlap Consistency - Results by File

This section reports on an additional test not currently listed in the NGP USGS LBS v 2.1. The reason for its inclusion is to prepare for expected future integration of the USGS/ASPRS led development of interswath Data Quality Measures (DQM) and introduce the usage of DQM testing to the lidar community.

DQM analysis and reporting is intended to quantify the relative horizontal and vertical errors observed between conjugate features in the overlapping regions of lidar data.

Much more information on DQM can be found in the links below:

- [General documentation: https://www.asprs.org/wp-content/uploads/LidarInterswath_CleanCopyASPRSV2.pdf](https://www.asprs.org/wp-content/uploads/LidarInterswath_CleanCopyASPRSV2.pdf)

- [Equations: https://edcftp.cr.usgs.gov/project/rst/DQM/DQMDocumentation.docx](https://edcftp.cr.usgs.gov/project/rst/DQM/DQMDocumentation.docx)

- [Operational Testing: https://edcftp.cr.usgs.gov/project/rst/DQM/DQM_Operational_Testing%202017-2-7.pptx](https://edcftp.cr.usgs.gov/project/rst/DQM/DQM_Operational_Testing%202017-2-7.pptx)

- [Executable: https://edcftp.cr.usgs.gov/?dir=project/rst/DQM](https://edcftp.cr.usgs.gov/?dir=project/rst/DQM)