

C-3 Report on Intensity Values

The USGS Lidar Base Specification Version 2.1 states: "Intensity values are required for each multiple discrete return. The intensity values recorded in the LAS files shall be normalized to 16 bit, as required by the LAS Specification version 1.4-R13 (ASPRS, 2011). Intensity normalization should be strictly linear. Common image stretches (minimum-maximum, standard deviations, percent clip, histogram, and so forth) are expressly forbidden."

The purpose of this section is to report on the presence and quantities of lidar intensity in the LAS data.

[Data Source - D:\00_Cherry\swaths](#)

File	Minimum	Maximum	Mean	Median	Mode
CS_01000.las	288	65,520	5,660	5,760	5,888
CS_01001.las	48	65,520	5,826	6,000	6,208
CS_01002.las	208	65,520	5,928	6,208	6,432
CS_01003.las	48	65,520	5,719	5,984	6,176
CS_01004.las	48	65,520	5,949	6,272	6,656
CS_01005.las	48	65,520	6,118	6,432	6,672
CS_01006.las	32	65,520	6,299	6,608	6,912
CS_01007.las	48	65,520	6,383	6,688	6,960
CS_01008.las	48	65,520	6,694	6,944	7,248
CS_01009.las	160	65,520	6,552	6,800	6,928
CS_01010.las	160	65,520	6,296	6,640	6,960
CS_01011.las	80	65,520	6,379	6,736	6,928
CS_01012.las	32	65,520	6,414	6,768	6,944
CS_01013.las	128	65,520	6,187	6,592	6,912
CS_01014.las	32	65,520	6,124	6,512	6,736
CS_01015.las	48	65,520	6,224	6,576	6,720
CS_01016.las	32	65,520	6,149	6,624	7,008
CS_01017.las	320	65,520	5,543	6,064	6,464
CS_01018.las	208	65,520	6,343	6,848	7,184
CS_01019.las	208	65,520	6,111	6,816	7,392
CS_01020.las	48	65,520	7,440	7,536	7,424
Overall Statistics	32	65,520	6,143	6,432	6,688

C-3 Report on Intensity Values - continued

The purpose of this section is to show a frequency distribution chart of intensities throughout all of the lidar files.

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