Data Collection Summary:

Collection Dates, Flights: 1 flight on March 16, 2022 (DOY 075)
Aircraft, Equipment: Robinson R66 (N7063M), RIEGL VQ-580 II (H2225798)
Flight Plan Parameters: Flying Height: 450 m AGL, Speed: 70 kt, Overlap: 50%
Equipment Parameters: PRR: 300/600 kHz, LPS: 200/s, Scan Angle: ± 37.5°
Collected Area: 14.4 km²

GNSS Reference Station Summary:

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Operating Agency</th>
<th>Control Coordinates (NAD83(2011) / Ellipsoid)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPTA</td>
<td>NCALM</td>
<td>43°55'49.09717&quot; N, 123°00'30.53624&quot; W, 141.703 m</td>
</tr>
<tr>
<td>SPTB</td>
<td>NCALM</td>
<td>43°55'49.00663&quot; N, 123°00'30.47375&quot; W, 141.514 m</td>
</tr>
</tbody>
</table>

Data Processing Summary:

Data Adjustments: Line-by-line roll/pitch/height correction
Ground Classification: Two iterations of moderate ground determination, manual classification of misclassified ground
Elevation Model Generation: Elevation values calculated from Kriging

Data Accuracy Summary

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strip-to-Strip Average</td>
<td>0.063 m</td>
</tr>
<tr>
<td>GCP Residual RMS</td>
<td>0.032 m (calibration area)</td>
</tr>
</tbody>
</table>

Data Product Summary:

Horizontal / Vertical Datum: NAD83(2011) / NAVD88 (GEOID18)
Projection / Units: UTM Zone 10N / meters
Point Cloud Tiles: 1000-m × 1000-m tiles in LAS format (Version 1.4) with non-ground (1), ground (2), and outlier (7) returns
Bare-Earth Elevation Model: GeoTIFF @ 1-m resolution from classified ground
First-Surface Elevation Model: GeoTIFF @ 1-m resolution with canopy included
The requested survey area consisted of one polygon located west of Eugene, OR. The polygon enclosed approximately 10.6 km² (4.1 mi²).