# Test Dataset: 101AA00DS0003 – Dataset 003 (20221031) FINAL

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(15 feature instances)

Dataset Specifications

See document located in github  [S-101-Test-Datasets/S-101 Test Dataset Specification 20220725 1.0 FINAL.docx at main · iho-ohi/S-101-Test-Datasets (github.com)](https://github.com/iho-ohi/S-101-Test-Datasets/blob/main/dev/docs/S-101%20Test%20Dataset%20Specification%2020220725%201.0%20FINAL.docx)

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| **Scenario** | 3.3 | | |  |
| **Description** | | Quality of non-bathymetric data | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Quality of non-bathymetric data (surface)    1. Category of temporal variation = 1 (extreme event) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.4 | | |  |
| **Description** | | Data Coverage | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Data coverage (surface)    1. Maximum display scale = 22000    2. Minimum display scale = 45000 | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.5 | | |  |
| **Description** | | Navigational system of remarks | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Navigational System of marks (surface)    1. Marks navigational – system of = 1 (IALA A) 2. Navigational System of marks (surface)    1. Marks navigational – system of = 2 (IALA B) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.6 | | |  |
| **Description** | | Local Direction of Buoyage | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Local direction of buoyage (surface)    1. Marks navigational – system of = 2 (IALA B)    2. Orientation value = 113 | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.7 | | |  |
| **Description** | | Quality of Bathymetric data | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Quality of Bathymetric Data (surface)    1. Category of temporal variation = 5 (unlikely to change)    2. Data assessment = 1 (assessed)    3. zoneOfConfidence       1. Category of zone of confidence in data = 1 (zone of confidence A1)       2. horizontalPositionUncertainty          1. uncertaintyFixed = 5          2. uncertaintyVariableFactor = 0.05       3. verticalPositionUncertainty          1. uncertaintyFixed = 0.5          2. uncertaintyVariableFactor = 0.01 2. Quality of Bathymetric Data (surface)    1. Category of temporal variation = 6 (unassessed)    2. Data assessment = 3 (unassessed)    3. zoneOfConfidence       1. Category of zone of confidence in data = 6 (ZOC U) 3. Quality of Bathymetric Data (surface)    1. See pseudo-JSON below, and related notes   QualityOfBathymetricData {  categoryOfTemporalVariation = 4 (likely to change),  dataAssessment = 1 (assessed),  zoneOfConfidence {  categoryOfZoneOfConfidenceInData = 2 (ZOC A2),  fixedDateRange { dateEnd = “20221231” },  horizontalPositionUncertainty { uncertaintyFixed = 20 },  verticalUncertainty {  uncertaintyFixed = 1,  uncertaintyVariableFactor = 0.2  }  }  zoneOfConfidence {  categoryOfZoneOfConfidenceInData = 3 (ZOC B),  fixedDateRange {  dateStart = “20230101”,  dateEnd = “20230331”  },  horizontalPositionUncertainty { uncertaintyFixed = 50 },  verticalUncertainty {  uncertaintyFixed = 1,  uncertaintyVariableFactor = 0.02  }  }  zoneOfConfidence {  categoryOfZoneOfConfidenceInData = 4 (ZOC C),  fixedDateRange {  dateStart = “20230401”,  dateEnd = “20230630”  },  horizontalPositionUncertainty { uncertaintyFixed = 500 },  verticalUncertainty {  uncertaintyFixed = 2,  uncertaintyVariableFactor = 0.05  }  }  zoneOfConfidence {  categoryOfZoneOfConfidenceInData = 5 (ZOC D),  fixedDateRange { dateStart = “20230701” },  horizontalPositionUncertainty { uncertaintyFixed = 1000 },  verticalUncertainty {  uncertaintyFixed = 5,  uncertaintyVariableFactor = 0.1  }  }  } | |
| **Notes** | | | Add a sounding feature containing points which intersect all QoBD features. Include one or more drying heights + a range of depths from 0 to 150 m.  To evaluate the two methods of degrading bathymetric data quality over time:  Feature 3 should have an InformationAssociation to a SpatialQuality InformationType via a QualityOfBathymetricDataComposition  SpatialQuality {  spatialAccuracy {  fixedDateRange { dateEnd = “20221231” },  horizontalPositionUncertainty { uncertaintyFixed = 20 },  verticalUncertainty {  uncertaintyFixed = 1,  uncertaintyVariableFactor = 0.2  }  }  spatialAccuracy {  fixedDateRange {  dateStart = “20230101”,  dateEnd = “20230331”  },  horizontalPositionUncertainty { uncertaintyFixed = 50 },  verticalUncertainty {  uncertaintyFixed = 1,  uncertaintyVariableFactor = 0.02  }  }  spatialAccuracy {  fixedDateRange {  dateStart = “20230401”,  dateEnd = “20230630”  },  horizontalPositionUncertainty { uncertaintyFixed = 500 },  verticalUncertainty {  uncertaintyFixed = 2,  uncertaintyVariableFactor = 0.05  }  }  spatialAccuracy {  fixedDateRange { dateStart = “20230701” },  horizontalPositionUncertainty { uncertaintyFixed = 1000 },  verticalUncertainty {  uncertaintyFixed = 5,  uncertaintyVariableFactor = 0.1  }  }  } | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.8 | | |  |
| **Description** | | Sounding Datum | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Sounding datum (surface)    * 1. Vertical datum = 23 (lowest astronomical tide) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.9 | | |  |
| **Description** | | Vertical Datum | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Vertical datum (surface)    1. Vertical datum = 3 (mean sea level) 2. Vertical datum (surface)    1. Vertical datum = 30 (highest astronomical tide) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.10 | | |  |
| **Description** | | Quality of Survey | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Quality of Survey (curve)    1. Least depth detected features measured = “TRUE”    2. Significant features detected = “TRUE”    3. Size of features detected = 12    4. Full seafloor coverage achieved = “TRUE” 2. Quality of Survey (surface)    1. Least depth detected features measured = “TRUE”    2. Significant features detected = “TRUE”    3. Size of features detected = 12    4. Full seafloor coverage achieved = “TRUE” | |
| **Screen Capture** | |  | | |

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| **Scenario** | 3.11 | | |  |
| **Description** | | Update Information | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Update information (point)    1. text = “Update Point test data” 2. Update information (Curve)    1. text = “Update Curve test data” 3. Update information (Surface)    1. text = “Update Surface test data” | |
| **Screen Capture** | |  | | |