



AMBIMAT ELECTRONICS

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AE_SSNR_022

GNSS Viewer Customer Release V2.1.155 for Phoenix

File Binary Venus Phoenix BAW BTX INS DR IPPS Timing Ephemeris GPS Converter Help

Com Port: COM7 Baudrate: 115200 Connect:

Message: DGPS mode

```

$GNVTG,0.0,0.0,T,0.0,0.0,N,0.0,0.0,K,D*16
$GNZDA,054919.000,27,07,2024,00,00*47
$PSTL,007,054919.000,0.0,0.0,0*22
$SONDA,054911.000,2304.15644,N,07233.20385,E
$SONGLL,2304.15644,N,07233.20385,E,054911.000
$SONGSA,A,3,10,13,15,18,23,36,39,195,196,199,1
$SONGSA,A,3,02,06,09,10,1,1.5,0.8,1.3,4*36
$GPGSV,4,1,14,29,08,143,44,41,61,151,44,40,37,21
  
```

Response: New device COM7 arrived

COORDINATE

| | |
|-------------|---------|
| WGS84_X | EAST |
| 1760266.971 | 0.222 |
| WGS84_Y | NORTH |
| 5601049.702 | -0.831 |
| WGS84_Z | UP |
| 2483793.982 | -24.400 |

Command

| | | |
|-----------|------------|---------------|
| Hot Start | Warm Start | Cold Start(R) |
| No Output | NMEA0183 | Binary |
| Scan All | Scan Port | Scan Baud |

Information

| | | | | | |
|-------------------|----------------|---------------|-------------|------------|-------------|
| TTFB | Date | Time | Boot Status | SW Version | SW Revision |
| 32 | 2024/07/27 | 05:49:11 | | | |
| Longitude | Latitude | Ellipsoidal H | Direction | Speed | HDOP |
| 72°33'12.23100" E | 23°49'38640" N | 37.30 | 0.00 | 0.00 | 0.80 |

RTK Info, RTK Info2

GPS GLO NAVIC 1L1 C/A 4S-RS

BDS GAL

Earth View

Scatter View

(m) Point count: 52 / 300

SCALE: 1m

COORD: ENU

2D RMS: 0.1782 m

CEP50%: 0.1456 m

Set Origin Clear

Download

460800 Master CRC: B58E CS: 9E(158)

C:\Users\admin\Desktop\STL_03.00.01-01.07.32_Phoenix_GPS_Navic_combo_T_CRC_B58E_115200_20200729.bin

GSTIN: 24AAHFA5064D1ZV

Design, Development, Fabrication & Installation of Custom Built Electronic Equipment as per Specification, Engineering Services & Manufacturers of Microprocessor based Electronic Equipment.



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The screenshot displays the GNSS Viewer software interface. The main window is titled "GNSS Viewer Customer Release V2.1.155 for Phoenix". The interface is divided into several sections:

- Information:** Shows RTK status (TTFF: 0, Date: 2024/07/27, Time: 05:50:16, Boot Status, SW Version, SW Revision). It also displays coordinates: Longitude 72°33'12.22920" E, Latitude 23°49'47280" N, Ellipsoidal H 44.30, Direction 313.40, Speed 0.00, and HDOP 0.80.
- RTK Info:** Shows satellite signal strength for GPS, GLO, NAVIC, BDS, and GAL. The GPS section is expanded, showing a bar chart of signal strength for various satellites (e.g., 39, 41, 38, 42, 43, 43, 35, 44, 43, 43, 40, 37, 37, 31, 34, 43, 43, 43, 41, 42, 43, 38).
- Message:** Shows a "Position fix 3D" message with coordinates: SGNNGA,035014.000,2304.15827,N,07233.20382,E. It also shows a "Response" section with configuration messages like "New device COM7 arrived" and "Configure RTK mode successfully".
- COORDINATE:** Displays WGS84 coordinates: X: 1760269.311, Y: 5601057.320, Z: 2463001.047. It also shows Easting (EAST: 0.273), Northing (NORTH: 2.547), and UTM (UTM: -14.300).
- Earth View:** Shows a 3D globe with satellite positions marked by colored dots and numbers. A compass rose indicates North (N), South (S), East (E), and West (W).
- Scatter View:** Shows a 2D scatter plot of satellite positions. The plot has axes labeled W, E, N, S. The point count is 89/300. The plot shows a cluster of points around the origin. The plot is titled "Scatter View (m) Point count: 89 / 300".
- Download:** Shows a download button and a file path: C:\Users\admin\Desktop\STL_03.00.01-01.07.32_Phoenix_GPS_Navic_combo_T_CRC_B50E_115200_20200729.bin. The file size is 460800 bytes and the Master CRC is B50E. The CS is 9E(158).

GSTIN: 24AAHFA5064D1ZV

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