



AMBIMAT ELECTRONICS

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AE_SSNR_039

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: [Green Arrow]

Message DGPS mode

```

$GNRGA,064430.000,2304.15770,N,07233.20366,E,
$GNRL1,2304.15770,N,07233.20366,E,064430.000
$GNRGA,A,3,10,15,18,23,24,26,32,195,196,1.0,0
$GNRGA,A,3,02,06,09,1.0,0.9,1.6,4*3E
$GNRMC,064430.000,A,2304.15770,N,07233.20366,E,0.0,0.0,0.0,0.0,0.0,0.0
$GNVTG,0.00,T,0.00,M,0.00,N,0.00,K,D*16
$GNZDA,064430.000,27,07,2024,00.00*4B
$PSTL,007,064430.000,0.0,0.0,0*2E

```

Response

```

Device COM7 removed
New device COM7 arrived

```

COORDINATE

WGS84_X	EAST
1760270.386	0.854
WGS84_Y	NORTH
5601059.371	0.720
WGS84_Z	UP
2463001.055	-8.000

Command

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

Information RTK Info. RTK Info2

TTFB	Date	Time	Boot Status	SW Version	SW Revision
29	2024/07/27	06:44:31			
Longitude	Latitude	Ellipsoidal H	Direction	Speed	HDOP
72°33'12.21960" E	23°49'46200" N	52.60	0.00	0.00	0.90

Satellite Status

GPS GLO NAVIC 1L1 CIA 4S-RS

38 43 42 43 44 30 32 24 41 44 45 40 30 37 35 33 37 34 32 32 36

1 18 16 18 22 24 26 32 38 40 40 40 1 2 3 4 5 6 7 8

BDS GAL

Earth View

Scatter View (m) Point count: 43 / 300

SCALE: 1m

COORD: ENU

2D RMS: 0.5991 m

CEP50%: 0.4815 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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AE_SSNR_039

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 Info and RTK Info2. Key data includes:

TTFB	Date	Time	Boot Status	SW Version	SW Revision
0	2024/07/27	06:45:43			

Location data: Longitude 72°33'12.49560" E, Latitude 23°49'30.420" N, Ellipsoidal H 62.90, Direction 359.20, Speed 0.00, HDOP 0.80.
- Satellite Status:** A bar chart shows the signal-to-noise ratio (SSNR) for various satellites. The legend includes GPS (blue), GLO (green), NAVIC (purple), BDS (orange), and GAL (light green). The chart shows several GPS satellites with SSNR values ranging from approximately 30 to 45 dB-Hz.
- Message/Response:** A log of messages and responses. The response section shows successful configuration of RTK mode and navigation mode.
- COORDINATE:** A table showing WGS84 and EAS7 coordinates.

WGS84_X	EAS7
1760268.002	8.813
WGS84_Y	NORTH
5601078.332	-5.113
WGS84_Z	UP
2483002.115	8.400
- Earth View:** A 3D globe showing the current location with a compass rose. A list of satellite systems is checked: GPS, Glonass, BeiDou, Galileo, and NavIC.
- Scatter View:** A 2D scatter plot showing the distribution of points. The point count is 81/300. The plot shows a cluster of points around the origin. The 2D RMS is 8.3828 m and the CEP50% is 6.9548 m.
- Command:** A set of buttons for device control: Hot Start, Warm Start, Cold Start(R), No Output, NMEA0183, Binary, Scan All, Scan Port, Scan Baud.
- Download:** A section for saving data, showing a file name: C:\Users\admin\Desktop\STI_03.00.01-01.07.32_Phoenix_GPS_Navic_combo_T_CRC_B50E_115200_20200729.bin.

GSTIN: 24AAHFA5064D1ZV

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