



# AMBIMAT ELECTRONICS

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## AE\_SSNR\_146

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. tabs. The RTK Info. tab displays:

TTFB	Date	Time	Boot Status	SW Version	SW Revision
31	2024/07/30	09:11:07			
Longitude	Latitude	Ellipsoidal H	Direction	Speed	HDOP
72°31'3.17820" E	23°8'59.99160" N	25.60	121.20	0.00	1.20
- Satellite Status:** A bar chart shows the status of various satellites. The legend includes GPS (blue), GLO (green), NAVIC (purple), BDS (orange), and GAL (light green). The chart shows 15 GPS satellites, 32 GLO satellites, 41 NAVIC satellites, and 4S-RS (4 satellites).
- Message:** Displays DGPS mode and various NMEA sentences such as \$GNGGA, \$GNGLL, \$GNGSA, \$GNRMC, \$GNVTG, \$GNZDA, and \$PSTL.
- Response:** Shows "New device COM3 arrived".
- COORDINATE:** Displays WGS84 coordinates:

WGS84_X	EAST
1762713.683	21.864
WGS84_Y	NORTH
5596590.269	-11.241
WGS84_Z	UP
2492011.848	25.400
- Earth View:** A 3D globe showing the current location and satellite positions. A compass rose indicates North (N), South (S), East (E), and West (W).
- Scatter View:** A 2D scatter plot showing the distribution of points. The point count is 217 / 300. The axes are labeled (m) and range from -2 to 2.
- Command:** Includes buttons for Hot Start, Warm Start, Cold Start(R), No Output, NMEA0183, Binary, Scan All, Scan Port, and Scan Baud.
- Download:** Shows a file path: C:\Users\admin\Desktop\STI\_03.00.01-01.07.32\_Phoenix\_GPS\_Navic\_combo\_T\_CRC\_B58E\_115200\_20200729.bin. The Master CRC is B58E and CS is 9E(158).

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\_146

GNSS Viewer Customer Release V2.1.155 for Phoenix

File Binary Venus Phoenix BAW GTK JNS DR 1PPS Timing Ephemeris AGPS Converter Help

Com Port: COM3 Baudrate: 9600 Connect:

Message: Position fix 3D

```

$GNGGA,091256.000,2309.00221,N,07231.05018,E,
$GPGSA,A,3,10,18,23,28,31,32,195,196,2.9,1.5,
$GNRMC,091256.000,A,2309.00221,N,07231.05018,E,
$GNGGA,091257.000,2309.00221,N,07231.05018,E,
$GPGSA,A,3,10,18,23,28,31,32,195,196,2.9,1.5,
$GNRMC,091257.000,A,2309.00221,N,07231.05018,E,
$GNGGA,091258.000,2309.00221,N,07231.05018,E,
$GPGSA,A,3,10,18,23,28,31,32,195,196,2.9,1.5,

```

Response:

```

New device COM3 arrived
Configure NMEA Message Interval success
Configure PRTI007 interval successfully
Configure Serial Port successfully
Configure navigation mode successfully

```

COORDINATE

WGS84_X	EAST
1762712.271	17.102
WGS84_Y	NORTH
5596569.935	-6.903
WGS84_Z	UP
2492008.091	5.700

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
0	2024/07/30	09:12:58			
Longitude	Latitude	Ellipsoidal H	Direction	Speed	HDOP
72°31'3.01080" E	23°9'0.13260" N	5.90	129.60	0.00	1.50

GPS GLO NAVIC 1.1 C/A 4S-RS

BDS GAL

Earth View

Scatter View

(m) Point count: 300 / 300

GPS  Glonass  Beidou  Galileo  NavIC

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

C:\Users\admin\Desktop\STI\_03.00.01-01.07.32\_Phoenix\_GPS\_Navic\_combo\_T\_CRC\_B58E\_115200\_20200729.bin

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