

Graphically display data

Before performing the following operations, please confirm that the IMU module has been connected to the PC software.

Graphically display data

1. Display data
2. Graphical display data of Acceleration
3. Graphical display data of Angular Velocity
4. Graphical display data of Angle
5. Graphical display data of Magnetic Field

Note: For all the data to be selected, you need to tick the corresponding data output in the menu bar 'Config'-'Content' to be valid.

1. Display data

Click on the 'Data' interface to see all the data.

The screenshot shows the WitMotion software interface with the 'Data' tab selected. The interface is divided into several sections:

- Port Configuration:** Port: COM8, Baud: 9600, Open, Close buttons.
- Product Information:** JY901B, Enter product model.
- Sensor Data Grid:**

Time		Acceleration		Angular Velocity		Magnetic Field	
System:	15:11:47	X:	0.0635 g	X:	0.0000 °/s	X:	-43.753
Chip:	2000-0-0	Y:	-0.2803 g	Y:	0.0000 °/s	Y:	2.920
	06:19:00	Z:	0.9595 g	Z:	0.0000 °/s	Z:	-1.080
Relative:	269.233	a :	1.0016 g	w :	0.0000 °/s	H :	43.864

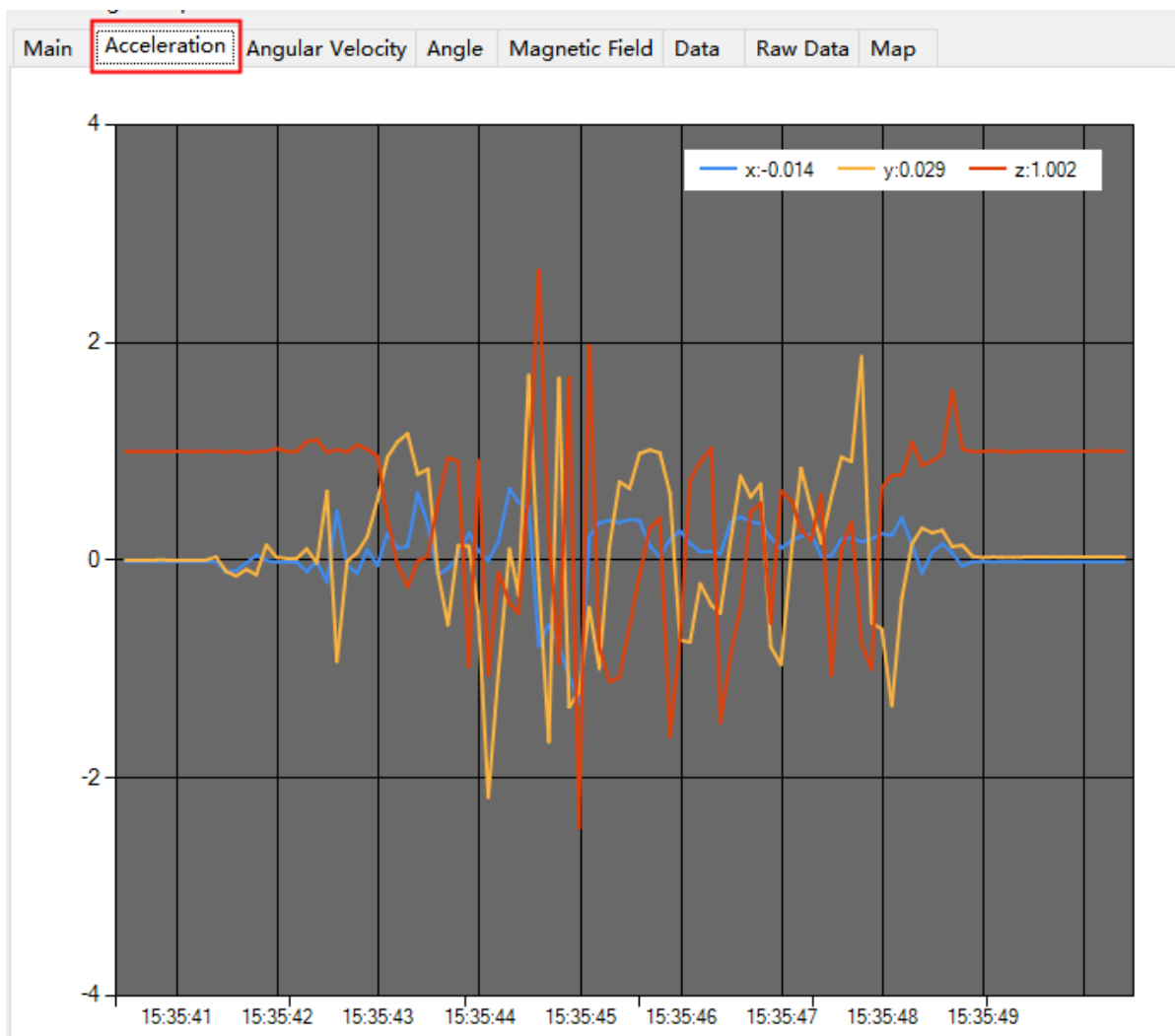
Port		Pressure		Angle		Quaternion	
D0:	4095	Tempratu:	27.07 °C	X:	-14.639 °	q0:	0.00000
D1:	2740	Pressure:	100368	Y:	-3.126 °	q1:	0.00000
D2:	2152	Height:	79.98 m	Z:	14.969 °	q2:	0.00000
D3:	1802	Voltage:		T:	27.07 °C	q3:	0.00000

Location		PDOP	
Longitud	0°0.00000	Satellite	0
Latitude:	0°0.00000	PDOP:	0.00
GPS H:	0.0 m	HDOP:	0.00
GPS Yaw:	0.0 °	VDOP:	0.00
GPS V:	0.000		
- Visualizations:** A blue and green graph on the right side and a compass rose at the bottom right.

COM8 open success, baud:9600

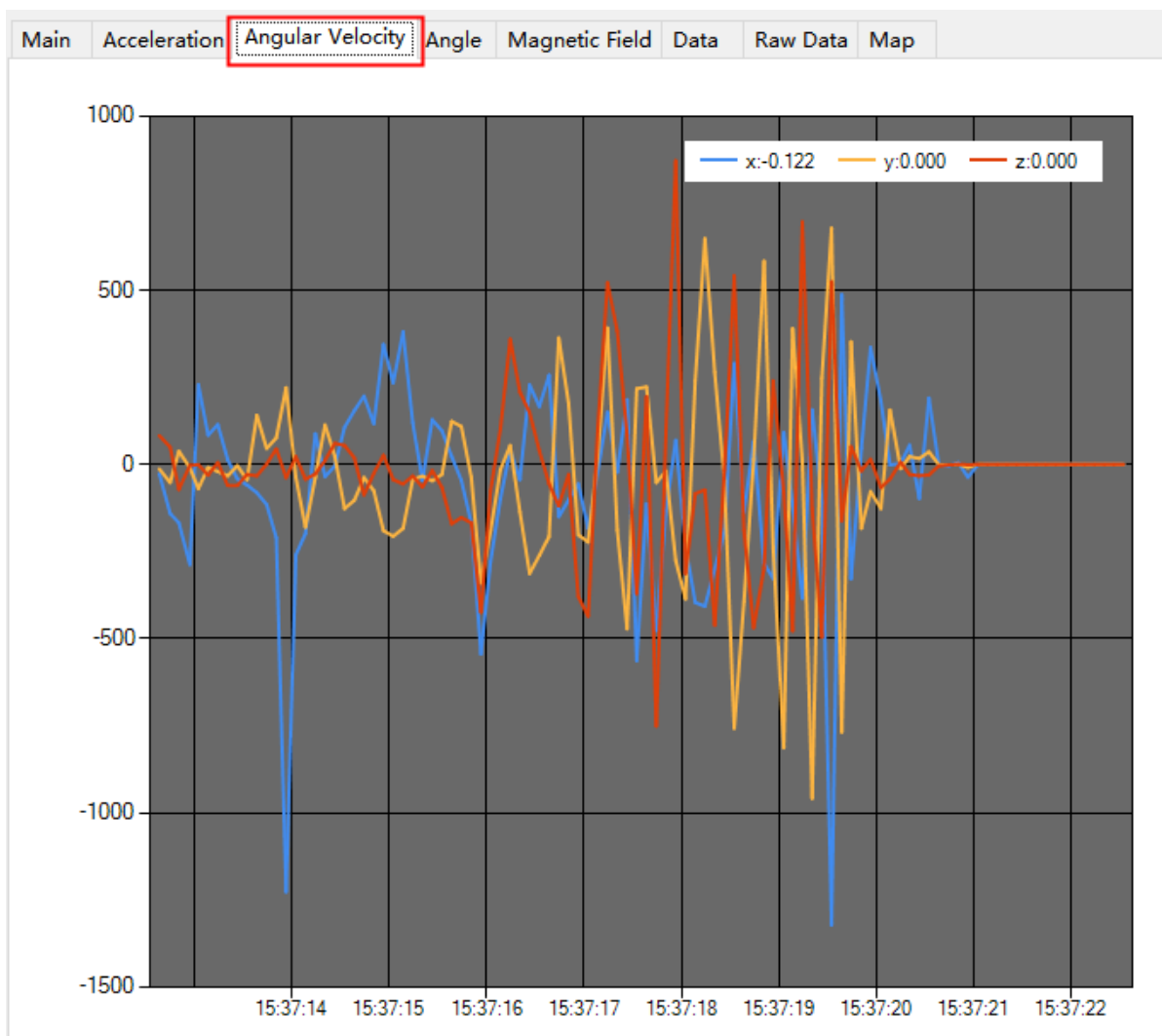
2. Graphical display data of Acceleration

Click on the 'Acceleration' interface



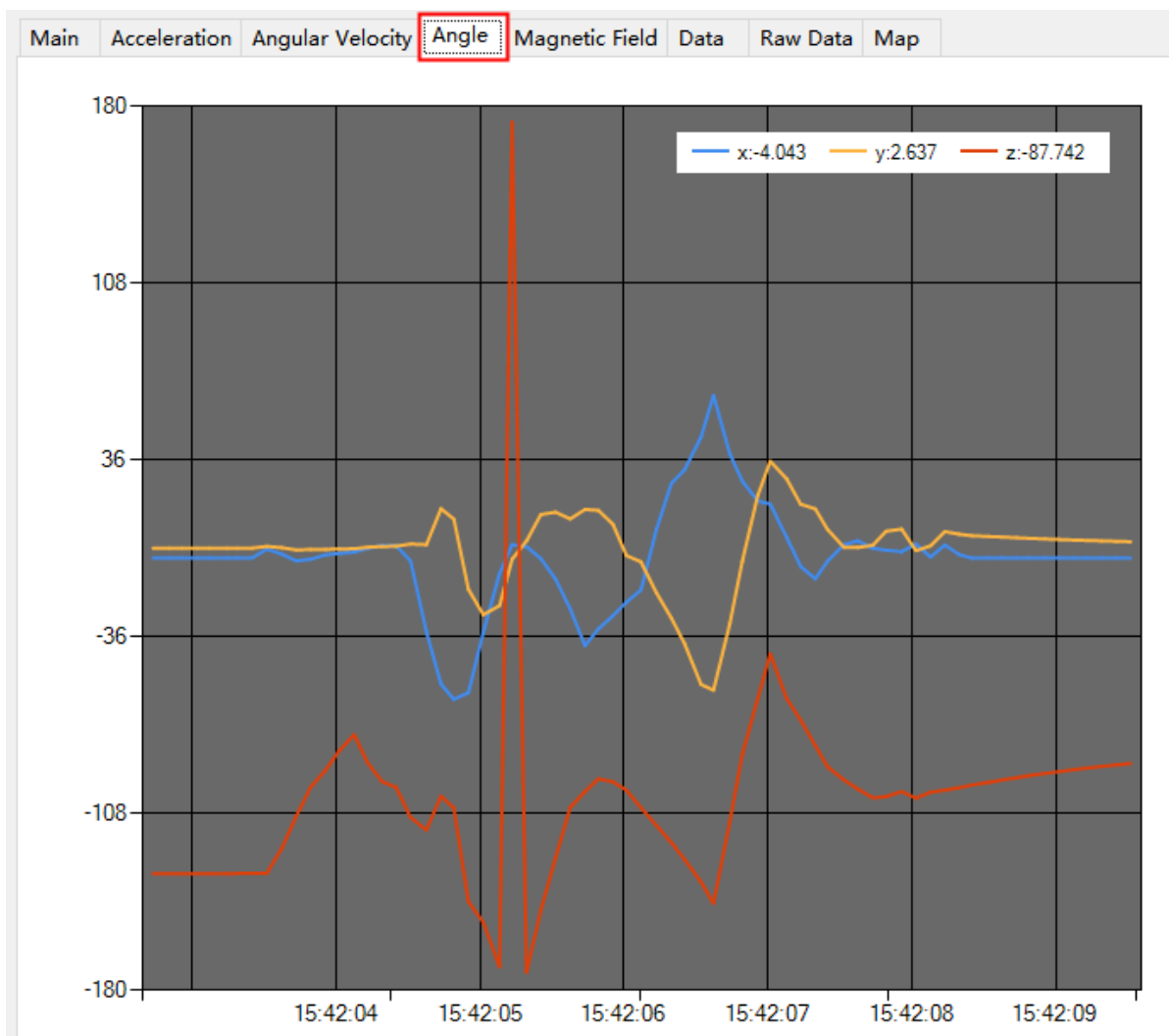
3. Graphical display data of Angular Velocity

Click on the 'Angular Velocity' interface



4. Graphical display data of Angle

Click on the 'Angle' interface



5. Graphical display data of Magnetic Field

Click on the 'Magnetic Field' interface

