

SOB Nmea Sentences Supported

Ship & Nav

- GLL GPS Position (Global Latitude & Longitude)
- GLP Time and Position
- RMB Rec minimum navigation information
- RMC Rec minimum specific GPS/Transit data
- VTG Course/Speed over Ground
- VHW Course/Speed over Water
- HDM Compass Heading
- HDT Heading True - Gyro Course True
- HDG Heading, with Deviation and Variation
- ZDA Time and Date

GPS Data

- GGA GPS Fix data (not all fields supported)
- GSA GPS dilution of precision and active satellites
- GSV Satellites in view
- SGD Accuracy

AutoPilot

- APA Autopilot format A
- APB Autopilot format B
- BOD Bearing - Origin to Destination waypoint
- BWR Bearing and Distance to Waypoint (Rhumb Line)
- BWC Bearing and Distance to Waypoint (Great Circle)
- XTE Cross track error

Wind

- VPW Speed with/against wind (VMG) in knots
- VWR Apparent Wind Direction and velocity
- VWT True wind direction and velocity
- MWV Wind Speed and Angle
- MWD Wind Direction

Depth, Temps & Misc

- DBK Depth below keel
- DBT Depth below Transducer
- DPT* Depth & Transducer offset
- DBS Depth Below Surface
- MTW Water Temperature
- VLW Distance Logs
- RSA Rudder sensor angle

AIS, DSC, RADAR, ARPA

- RSD RADAR System Data
- TTM Tracked Target Message (ARPA/MARPA)
- TLL Target Latitude and Longitude (ARPA/MARPA)
- TLB Common Target Label
- VDM UAIS VHF Data-link Message
- VDO UAIS VHF Data-link Own-vessel report
- ABM UAIS Addressed binary and safety related msg
- BBM UAIS Broadcast Binary Message
- SSD‡ UAIS Ship Static Data

- VSD‡ UAIS Voyage Static Data
- DSC Distress & Position report
- DSE DSC Expansion Information

Text, Alarms and Messages

- TXT Text message
- ALM Alarm message
- ALR Alarm state
- AAM Waypoint arrival alarm

Waypoints & Routes

- BWW Bearing from Source wpt to Destination wpt
- WDC Distance to Waypoint (Great Circle)
- WDR Distance to Waypoint (Rhumb Line)
- WCV Velocity Made Good to Waypoint
- ZTG Time to go to Waypoint
- R00 Waypoints in active route
- RTE Waypoints in active route
- WPL Waypoint location

Proprietary Sentences

- PSOBI SOB "Inquiry" sentence
- PSOBA SOB "Alarm Module" settings
- PSTOB Dataline : Battery Volts
- PFEC Furuno : for sending Waypoints to SOB
- PGRMZ Garmin : Altitude

NASA Marine : AIS Engine settings

- PNMLS Received message threshold
- PNMLV Version ID
- PNMLT Threshold set
- PNMLC Channel set

GpsGate Online

- FRSES Session ID
- FRRMC Single "buddy" position report
- FRPOS Multiple buddies' position report

Magellan GPS

- PMGNVER Make/model/version information
- PMGNCMD Command message
- PMGNWPL Waypoint transfer
- PMGNTRK† Track transfer
- PMGNRTE1† Route transfer

* This sentence includes a manually set "offset" from the transducer to either the surface or bottom of keel. If this value is not present, SOB will print a warning to the Messages Panel.

‡ Used to upload AIS static data to the AIS radio. And for some DSC VHF radios (ie ICOM) can be used to upload MMSI, etc to the radio.

† Not currently implemented (as @ Feb09)