Parker Attitude Control
Heading Calibration
and GPS Health Check

Parker Heading Calibration
Parker Maritime AS is using a GPS / Glonass based heading and pitch system to check the heading devices on vessels. In combination with a special in-house developed software we offer an efficient way of checking the heading devices. The system is easy to deploy and works independently of onshore reference points.

Parker Maritime AS also offers a vessel GPS "health-check".

AttConPRH Time Series Plot - Heading

Sensor	C-O	Confidence interval +/-	Median	St. dev.	RMS	No. of matches	No. used
Heading	0.017	0.000	0.014	0.112	0.113	321161	235908
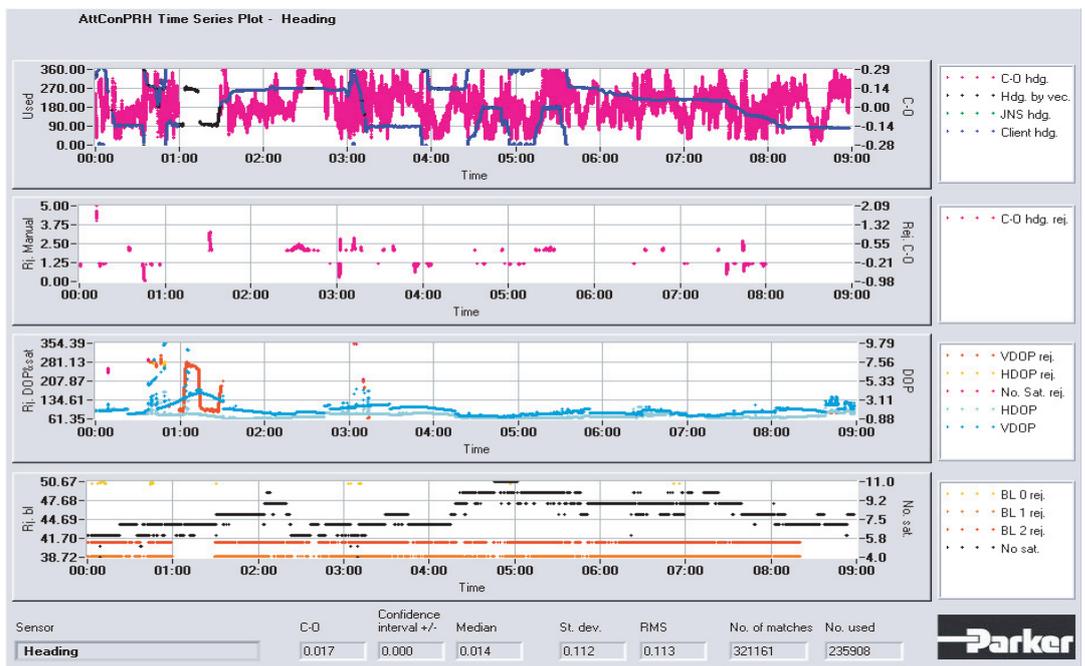
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Achilles JQS
empowered by Achilles

FPAL
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Vessel Survey
Survey of reference points and sensors

Parker Maritime can establish a complete set of reference points, so called fix-points, onboard a vessel as well as survey all sensors into this coordinate system. This way all sensors onboard will refere to the same cordinate system and ease the use of them. All measured points are transformed into the vessel axis system and reference plane.

A high precision total station is used, and in some cases together with photogrammetry equipment.

The points are frequently used for Roll and Pitch survey control, DGPS antenna healh checking and verifying of the vertical reference system onboard.

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CRP (e.g. Aft perpendicular, where X=Y=Z=0)

CRP=Coordinate Reference Point

+Y

+Z is upwards

+X
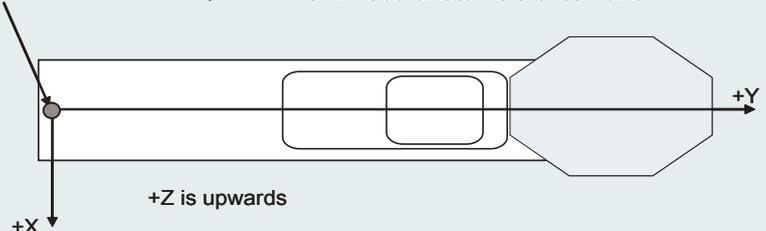
Deck-points, Helideck, VRS, GPS antennas, Echo sounder, HPR (e.g. HiPap), Artemis, FanBeam(distance meter), Other reference points, Establish reference points and lines for e.g. calibration of ROV gyro.

In dock: Draft marks, keel, rudderstock (Aft Perpendicular) and all sensor underside hull

PARKER