

Local Frame

The term 'Frame' comes from naval architecture and defines the timber or rib of a ship from keel to side rail. All frames shape the hull. With a defined origin and stated in a reasonable unit, it can be seen as a local reference system which is helpful in bigger ships to locate items. But the 'Local Frame' can be used in other contexts as well e.g. for station, containers, moorings, etc. as long as a fix origin is given.

Motion Sensor 1

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Local Frame

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Current Version

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Origin Metadata:	xyz-position from Alignment Survey Report RV Polarstern (June 2016), located in room F632
Units:	m
X:	55.994 m X-0 is at the center of der rudder (ref. design drawing of the vessel), positive X-axis is forward and along vessel centerline
Y:	-2.666 m Y-0 at centerline, positive Y-axis is portside
Z:	11.6 m Z-0 is set to the lowest point of the keel, positive Z-axis is upwards

Close

The figure shows Hydrins 1 at Polarstern (https://sensor.awi.de/?urn=vessel:polarstern:hydrins_1)