AuxAntPositions	Number:	5942
	"OnChange" interval: default PVT output rate (see 4.1.8)	

The `AuxAntPositions` block contains the relative position and velocity of the different antennas in a multi-antenna receiver. The coordinates are expressed in the local-level ENU reference frame.

When the antenna positions cannot be estimated, the baseline vectors are set to their Do-Not-Use value.

Parameter	Type	Units	Do-Not-Use	Description
Sync1	c1			Block Header, see 4.1.1
Sync2	c1			
CRC	u2			
ID	u2			
Length	u2	1 byte		
TOW	u4	0.001 s	4294967295	Receiver time stamp, see 4.1.3
WNc	u2	1 week	65535	
N	u1			Number of `AuxAntPositionSub` sub-blocks in this `AuxAntPositions` block
SBLength	u1	1 byte		Length of one sub-block in bytes
AuxAntPosition	...	...		*A succession of N `AuxAntPositionSub` sub-blocks, see definition below*
Padding	u1[..]			Padding bytes, see 4.1.5

`AuxAntPositionSub` sub-block definition:

Parameter	Type	Units	Do-Not-Use	Description
NrSV	u1		255	Total number of satellites tracked by the antenna identified by the `AuxAntID` field and used in the attitude computation.
Error	u1			Aux antenna position error code: 0: No error 1: Not enough measurements 2: Reserved 3: Reserved If `error` is not 0, the coordinates reported later in this block are all set to their Do-Not-Use value.
AmbiguityType	u1		255	Aux antenna positions obtained with 0: Fixed ambiguities 1: Float ambiguities
AuxAntID	u1			Auxiliary antenna ID: 1 for the first auxiliary antenna, 2 for the second, etc...
DeltaEast	f8	1 m	$-2 \cdot 10^{10}$	Position in East direction (relative to main antenna)
DeltaNorth	f8	1 m	$-2 \cdot 10^{10}$	Position in North direction (relative to main antenna)
DeltaUp	f8	1 m	$-2 \cdot 10^{10}$	Position in Up direction (relative to main antenna)
EastVel	f8	1 m / s	$-2 \cdot 10^{10}$	Velocity in East direction (relative to main antenna)
NorthVel	f8	1 m / s	$-2 \cdot 10^{10}$	Velocity in North direction (relative to main antenna)
UpVel	f8	1 m / s	$-2 \cdot 10^{10}$	Velocity in Up direction (relative to main antenna)
Padding	u1[..]			Padding bytes, see 4.1.5