

**STI,032– RTK Baseline Data**

Time, date, status and baseline related data provided by a GNSS navigation receiver.

Structure:

\$PSTI,032,hhmmss.sss,ddmmyy,A,R,x.xxx,x.xxx,x.xxx,x.xxx,x.xx,,,,\*hh<CR><LF>

1 2 3 4 5 6 7 8 9

Example:

\$PSTI,032,033010.000,111219,A,R,-4.968,-10.817,-1.849,12.046,204.67,,,,\*39

Field	Name	Example	Description
1	UTC time	033010.000	UTC time in hhmmss.sss format (000000.000~235959.999)
2	UTC Date	111219	UTC date of position fix, ddmmyy format
3	Status	A	Status 'V' = Void 'A' = Active
4	Mode indicator	R	Mode indicator 'F' = Float RTK. System used in RTK mode with float ambiguity 'R' = Real Time Kinematic. System used in RTK mode with fixed ambiguity
5	East-projection of baseline	-4.968	East-projection of baseline, meters
6	North-projection of baseline	-10.817	North-projection of baseline, meters
7	Up-projection of baseline	-1.849	Up-projection of baseline, meters
8	Baseline length	12.046	Baseline length, meters
9	Baseline course	204.67	Baseline course (angle between baseline vector and north direction), degrees
10	Reserve		Reserve
11	Reserve		Reserve
12	Reserve		Reserve
13	Reserve		Reserve
14	Reserve		Reserve
15	Checksum	39	

**STI,035 – RTK Baseline Data of Rover Moving Base Receiver**

Time, date, status and baseline related data of GNSS rover moving base receiver provided by GNSS precisely kinematic base receiver.

Structure:

\$PSTI,035,hhmmss.sss,ddmmyy,A,R,x.xxx,x.xxx,x.xxx,x.xxx,x.xx,,,,\*hh<CR><LF>  
           1      2      3 4 5 6 7 8 9

Example:

\$PSTI,035,041457.000,170316,A,R,0.603,-0.837,-0.089,1.036,144.22,,,,\*1B

Field	Name	Example	Description
1	UTC time	041457.000	UTC time in hhmmss.sss format (000000.000~235959.999)
2	UTC Date	170316	UTC date of position fix, ddmmyy format
3	Status	A	Status 'V' = Void 'A' = Active
4	Mode indicator	R	Mode indicator 'F' = Float RTK. System used in RTK mode with float ambiguity 'R' = Real Time Kinematic. System used in RTK mode with fixed ambiguity
5	East-projection of baseline	0.603	East-projection of baseline, meters
6	North-projection of baseline	-0.837	North-projection of baseline, meters
7	Up-projection of baseline	-0.089	Up-projection of baseline, meters
8	Baseline length	1.036	Baseline length, meters
9	Baseline course	144.22	Baseline course (angle between baseline vector and north direction), degrees
10	Reserve		Reserve
11	Reserve		Reserve
12	Reserve		Reserve
13	Reserve		Reserve
14	Reserve		Reserve
15	Checksum	1B	