Using GNSS Surfer to check the RTK base station

Start GNSS Surfer. Click on the Adjustments popdown menu and choose Input/Output from the menu.

🐮 .\gnsssurf.par - Gns	sSender	
File Edit View ? Job	Adjustments Protocol-File	Support
CAST Caster ComP ComP ComP ComP ComP ComP ComP ComP	Comport Ntrip-BrdCa/TCP/UDP NamedPipe/File Input/Output CharCount-Watch Decoder-Output Fkp/Sv control Http-Server/Html-File Current Info U 0 0	Date/Time: 22.02.2009 19:05:22 Count of recived Reference-Station: Messages : GPS Week : Z-Count/Gnss-Sec GPS : Glonass : Number of GPS-Satellit and FKP:
Status:		
Http-Server Thr Connect with 81 Connect with 81	ead	Number of Glonass-Satellit and FKP: dt Gps-Glo in Sec.:
Window of Input/Output- Adju	istments	NUM



From the Input-Device menu choose TCP-Port. From the Output-Device menu choose Decoder Rtcm V3.0

In the right hand column click on Caster-TCP-UDP-Setting



In the Input TCP options change the IP Address to the IP address for the base station. Change the port number to the port number for the base station.

		- Devid	Count of
IP - Address :	127.0.0.1	Sw	Server:
Port :	4000 TCP-Server		20 👻

After editing the Input TCP click on OK near the bottom left corner.

TCP/Udp-A	djustment
-	
Input	IP - Address/URL : 81.3.62.35
C Output	Port: 80 attempt Reconnect 1000 nms:
	Mountpoint : FFJM1
	search Mountpoint
	User-ID:Password : base64:passwd
	use Proxy-Server
	Proxy-Server IP - Address/URL : 0.0.0.0
	Proxy-Server Port : 8080
	IP-Address: 127.0.0.1 IPAd Server:
	Port: 4000 - TCP-Server 20 -
	local IP- Address : 127.0.0.1 IPAd Sw Server:
	local Port : 10713 🔽 🗖 UDP-Server 30 💌
ОК	remote IP- Address : 127.0.0.1

Click OK on the Input/Output-Utilities screen.

Input/Output-Utilitie	25	
Input-Device	Output-Device	Comp/Modem Settings
C Com-Port TCP-Port	Com-Port	Caster- TCP- UDP- Setting
C UDP-Port	UDP-Port	Pipe/File Setting
C Named-Pipe	□ Named-Pipe □ File	DecoderOutput Setting
C Dummy-Stream	Decoder Rtcm	HTTP/HTML- Setting
	© V 2.1 ⊂ V 2.3 ⊙ V 3.0	NMEA-Setting
Input-Buffer in Count of C	haracter :	Dummy Interv. in mSec :
↓ 50	оч 1000 ОК	Cancel

Click OK on the No action! warning.

🐮 . \gnsss	urf.par - GnssS	ender		
File Edit ^y	View ? Job A	djustments Protocol-File	Support	
D 😅		a a s ?	! 🜚 🛠	KP-w 🔝 🔟
Gnss Input TCP	Output Caster	06c	Date/Time: Count of recived Messages : GF	22.02.2009 19:25:37 Reference-Station:
0	TCP UDP Pipe File Pool: 0	No action ! First stop the current Jo	b for new settings !	Glonass :
Status:				
Not co Connec Not co	nnection t t with 81. nnection t	o ntrip-caste ^ 3.62.35:80 ! o ntrip-caste v	Number of Glonass-S	Catellit and FKP: dt Gps-Glo in Sec.:
<			last Message Types	:
Bereit				

Click on the Stop sign to Stop the session and then the exclamation mark to start the current session.



Observe the flow of RTK data with the GNSS Surfer.

🔀 .\gnsssurf.par - GnssSender	
File Edit View ? Job Adjustments Protocol-File	Support
D 🛎 🖬 🕹 🖷 💼 🚭 🛛 😵 🛛	🗜 💬 🔆 🙀 FKP-W
GnssSurfer V1.06c	Date/Time: 22.02.2009 20:26:13 Count of Reference-Station: messages: GPS Week: 0225 Z-Count/Gnss-Sec Glonass: GPS : Glonass: 102381.0 Number of GPS-Satellit and FKP: [03]04]06]07]08[13]16[20]23]25
Status:	FFFFFFFFFFFFFFF
Zãî•ýµ∥PDF;þ³lkÁ@Ûý¨íPD°∕½þ∥û▲ Ókþ∥ÿ¨Ä¾âúêDÌÿç€æ¹Ó 10Ó Q⊐þ©sø U°ÂJúl≫ílý¨ÿRJ,Tlþ³_ÔÜXÓ€Plþis ✔	Number of Glonass-Satellit and FKP: dt Gps-Glo in Sec.: In Sec.: <td< td=""></td<>
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Phil Stevenson February 22, 2009