RxControl Diagnostic Report

RxControl Information

RxControl Version

Product: RxControl

Version: 4.7.0

Internal ID: RxTools_1_8_0_rc2 (1112191539)

Description: Controls and monitors Septentrio receivers released after PolaRx2/2e model. Does not support PolaRx2/2e receivers.

Library	Version
comms2.dll	2.1.6
fw2.dll	2.1.6
geod2.dll	2.1.6
messageapicmr2.dll	2.1.6
messageapiframework2.dll	2.1.6
messageapigui2.dll	2.1.6
messageapirtcm22.dll	2.1.6
messageapirtcm32.dll	2.1.6
messageapisbf2.dll	2.1.6
msvcm90.dll	9.00.21022
msvcp90.dll	9.00.21022
msvcr90.dll	9.00.21022
phonon4.dll	4.4.0
QtCore4.dll	4.7.3
QtGui4.dll	4.7.3
QtNetwork4.dll	4.7.3
QtOpenGL4.dll	4.7.3
QtSvg4.dll	4.7.3
QtWebKit4.dll	4.7.3
QtXml4.dll	4.7.3
QtXmlPatterns4.dll	4.7.3
sepqt2.dll	2.1.6
ssnplot2.dll	2.1.6

External Program	Version
RINEX	sbf2rin-8.1.0

ISMR	sbf2ismr-4.3.0
CGGTTS	rin2cgg-4.3

Installation Information

Installation directory C:\Program Files\Septentrio\RxTools\bin

Settings directory C:\Documents and Settings\AntCal\.septentrio\

Logging directory C:\Documents and Settings\AntCal\My Documents\AsteRx\

Current Connection (AsteRx.tcpip)

Connected to SSRC2 on IP15

Hostname or IP-address: 10.74.19.23

Portnumber: 28784

Event Information

#	Severity	Date	Time	Message
552	Error	2012-11-26	20:19:08	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
553	Error	2012-11-26	20:20:00	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
554	Error	2012-11-26	20:20:01	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
555	Error	2012-11-26	20:21:36	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
556	Error	2012-11-26	20:21:37	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
557	Error	2012-11-26	20:21:55	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
558	Error	2012-11-26	20:21:56	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
559	Error	2012-11-26	20:23:31	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
560	Error	2012-11-26	20:23:32	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
561	Error	2012-11-26	20:24:09	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
562	Error	2012-11-26	20:24:10	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
563	Error	2012-11-26	20:24:53	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
564	Error	2012-11-26	20:24:54	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
565	Error	2012-11-26	20:25:36	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
566	Error	2012-11-26	20:25:37	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
567	Error	2012-11-26	20:27:41	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
568	Error	2012-11-26	20:27:42	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
569	Error	2012-11-26	20:28:38	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
570	Error	2012-11-26	20:28:39	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
571	Error	2012-11-26	20:30:33	- Software failure occurred. To see the error source and to clear the error signal execute lif, Error in the Expert Console. - Receiver output data congestion

572 Error	2012-11-26 20:30:34	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
573 Error	2012-11-26 20:31:17	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
574 Error	2012-11-26 20:31:18	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
575 Error	2012-11-26 20:31:41	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
576 Error	2012-11-26 20:31:42	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
577 Error	2012-11-26 20:33:07	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
578 Error	2012-11-26 20:33:08	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
579 Error	2012-11-26 20:33:41	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
580 Error	2012-11-26 20:33:42	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
581 Error	2012-11-26 20:34:57	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
582 Error	2012-11-26 20:34:58	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
583 Error	2012-11-26 20:37:12	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
584 Error	2012-11-26 20:37:13	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
585 Error	2012-11-26 20:38:14	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
586 Error	2012-11-26 20:38:15	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
587 Error	2012-11-26 20:40:05	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
588 Error	2012-11-26 20:40:06	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
589 Error	2012-11-26 20:40:19	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
590 Error	2012-11-26 20:40:20	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
591 Error	2012-11-26 20:40:24	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
592 Error	2012-11-26 20:40:25	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
593 Error	2012-11-26 20:42:24	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
594 Error	2012-11-26 20:42:25	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
595 Error	2012-11-26 20:43:50	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
596 Error	2012-11-26 20:43:51	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
597 Error	2012-11-26 20:44:09	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
598 Error	2012-11-26 20:44:10	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
599 Error	2012-11-26 20:44:38	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
600 Error	2012-11-26 20:44:39	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
601 Error	2012-11-26 20:45:55	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion

602 Error	2012-11-26 20:45:56	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
603 Error	2012-11-26 20:46:00	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
604 Error	2012-11-26 20:46:01	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
605 Error	2012-11-26 20:47:50	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
606 Error	2012-11-26 20:47:51	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
607 Error	2012-11-26 20:48:33	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
608 Error	2012-11-26 20:48:34	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
609 Error	2012-11-26 20:49:50	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
610 Error	2012-11-26 20:49:51	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
611 Error	2012-11-26 20:50:53	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
612 Error	2012-11-26 20:50:54	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
613 Error	2012-11-26 20:51:36	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
614 Error	2012-11-26 20:51:37	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
615 Error	2012-11-26 20:52:48	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
616 Error	2012-11-26 20:52:49	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
617 Error	2012-11-26 20:53:17	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
618 Error	2012-11-26 20:53:18	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
619 Error	2012-11-26 20:53:31	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
620 Error	2012-11-26 20:53:32	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
621 Error	2012-11-26 20:54:05	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
622 Error	2012-11-26 20:54:06	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
623 Error	2012-11-26 20:54:14	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
624 Error	2012-11-26 20:54:15	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
625 Error	2012-11-26 20:54:19	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
626 Error	2012-11-26 20:54:20	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
627 Error	2012-11-26 20:55:13	The receiver returned the following error: ssio: Invalid command!
628 Error	2012-11-26 20:55:41	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
629 Error	2012-11-26 20:55:42	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
630 Error	2012-11-26 20:56:24	The receiver returned the following error: gsp: Invalid command!
631 Error	2012-11-26 20:56:53	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
632 Error	2012-11-26 20:56:54	Software failure occurred. To see the error source and to clear the error signal

			execute lif,Error in the Expert Console.
633	Error	2012-11-26 20:57:26	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
634	Error	2012-11-26 20:57:27	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
635	Error	2012-11-26 20:57:50	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
636	Error	2012-11-26 20:57:51	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
637	Error	2012-11-26 20:58:29	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
638	Error	2012-11-26 20:58:30	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
639	Error	2012-11-26 20:58:48	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
640	Error	2012-11-26 20:58:49	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
641	Error	2012-11-26 20:58:53	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
642	Error	2012-11-26 20:58:54	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
643	Error	2012-11-26 20:59:07	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
644	Error	2012-11-26 20:59:08	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
645	Error	2012-11-26 21:01:12	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
646	Error	2012-11-26 21:01:13	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
647	Error	2012-11-26 21:01:17	- Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console. - Receiver output data congestion
648	Error	2012-11-26 21:01:18	Software failure occurred. To see the error source and to clear the error signal execute lif,Error in the Expert Console.
649	Error	2012-11-26 21:01:20	The receiver returned the following error: lstInternalFile: Argument 'File' can't be omitted!
650	Error	2012-11-26 21:01:55	Receiver output data congestion
651	Error	2012-11-26 21:04:43	Receiver output data congestion

Connected Receiver Information
lstInternalFile, Identification

```xml
<?xml version="1.0" encoding="ISO-8859-1" ?>
<rxproduct xmlns="http://septentrio.com/ns/ProductDescription/2.6">

    <hwplatform name="SSRC2" serialnr="2001644"
                product="AsteRx2eH_PRO"
                rxfullid="SN09472001644">
        <mainboard type="GRB00121000AB0201"/>
    </hwplatform>

    <firmware version="2.1.3" interface="1.0" type="mainp">
        <bootloader version="1.10" type="ssn-u-boot-cpdfh"/>
        <gnssfw version="2.1.3" type="mainp"></gnssfw>
        <fpgaconfiguration jedeccode="00B21102"/>
    </firmware>
    <files>
        <permfile permid="20091502-2001644-1"/>
        <chancfg name="ssrc2-2.1.3-14gpc12rc3s"/>
        <antinfo format="3.0" ngs2bin="1.0" ngsid="BGK-10/05/03=303"/>
    </files>
</rxproduct>
```

lstInternalFile, Permissions

```xml
<?xml version="1.0" encoding="ISO-8859-1" ?>
<septpermissions version="1.91">
  <title>Septentrio Permission File for
    <permid>20091502-2001644-1</permid>
  </title>
  <receivers>
    <range serial="2001644"/>

    <gpsl1ca       val="1" descr="Tracking of GPS L1 C/A" valdescr="Permitted"/>
    <gpsl1py       val="1" descr="Tracking of GPS L1 P(Y)" valdescr="Permitted"/>
    <gpsl2py       val="1" descr="Tracking of GPS L2 P(Y)" valdescr="Permitted"/>
    <gpsl2c        val="1" descr="Tracking of GPS L2 C" valdescr="Permitted"/>
    <gpsl5         val="0" descr="Tracking of GPS L5 I/Q" valdescr="Not permitted"/>
    <glol1ca       val="1" descr="Tracking of GLONASS L1 C/A" valdescr="Permitted"/>
    <glol1p        val="1" descr="Tracking of GLONASS L1 P" valdescr="Permitted"/>
    <glol2p        val="1" descr="Tracking of GLONASS L2 P" valdescr="Permitted"/>
    <glol2ca       val="1" descr="Tracking of GLONASS L2 C/A" valdescr="Permitted"/>
    <gall1a        val="0"
descr="Tracking of Galileo L1 A" valdescr="Not permitted"/>
    <gall1bc       val="0"
descr="Tracking of Galileo L1 BC" valdescr="Not permitted"/>
    <galle6a       val="0"
descr="Tracking of Galileo E6 A" valdescr="Not permitted"/>
    <galla6bc      val="0"
descr="Tracking of Galileo E6 BC" valdescr="Not permitted"/>
    <gale5a        val="0"
descr="Tracking of Galileo E5a I/Q" valdescr="Not permitted"/>
    <gale5b        val="0"
descr="Tracking of Galileo E5b I/Q" valdescr="Not permitted"/>
    <gale5         val="0"
descr="Tracking of Galileo E5 AltBOC" valdescr="Not permitted"/>

    <dgps_rover    val="1" descr="DGPS Rover" valdescr="Permitted"/>
    <dgps_base     val="1" descr="DGPS Base" valdescr="Permitted"/>
    <rtk_rover     val="0" descr="RTK Rover" valdescr="Not permitted"/>
    <rtk_base      val="0" descr="RTK Base" valdescr="Not permitted"/>
    <nb_ant        val="2"
descr="Number of antennas" valdescr="Permitted for 2 antennas"/>
    <pps_in        val="0" descr="1PPS input" valdescr="Not permitted"/>
    <ethernet      val="1" descr="Ethernet" valdescr="Permitted"/>
    <logging       val="1" descr="Logging" valdescr="Permitted"/>
    <event_tracking val="0" descr="Event tracking" valdescr="Not permitted"/>
    <attitude      val="2"
descr="Attitude" valdescr="Permitted mode 2 (angles, rates and aux ant positions)"/>
    <datarate      val="25"
descr="Maximum Data Rate" valdescr="Permitted up to 25 Hz"/>
    <usb           val="1" descr="USB" valdescr="Permitted"/>
    <ins           val="0" descr="INS" valdescr="Not permitted"/>
    <can           val="0" descr="CAN" valdescr="Not permitted"/>
    <wadiff        val="0" descr="Wide-Area Differential" valdescr="Not permitted"/>
    <apme          val="1" descr="APME" valdescr="Permitted"/>
    <nonatolimits  val="0" descr="No NATO limits" valdescr="Not permitted"/>
    <raim          val="1" descr="RAIM" valdescr="Permitted"/>
    <lband         val="0" descr="Tracking of L-Band" valdescr="Not permitted"/>
    <augm_data_svc val="0" descr="Augmentation Data Svc" valdescr="None"/>
    <ppp           val="0" descr="PPP" valdescr="Not permitted"/>
  </receivers>
</septpermissions>
```

getChannelConfiguration

```
ChannelConfiguration, Ch01, GPSL1CA+GPSL2PY+GPSL2C
```

```
   ChannelConfiguration, Ch02, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch03, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch04, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch05, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch06, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch07, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch08, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch09, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch10, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch11, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch12, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch13, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch14, GPSL1CA+GPSL2PY+GPSL2C
   ChannelConfiguration, Ch15, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch16, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch17, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch18, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch19, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch20, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch21, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch22, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch23, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch24, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch25, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch26, GLOL1CA+GLOL2CA
   ChannelConfiguration, Ch27, GEOL1
   ChannelConfiguration, Ch28, GEOL1
   ChannelConfiguration, Ch29, GEOL1
```

getReceiverCapabilities

```
   ReceiverCapabilities, Main+Aux1, GPSL1CA+GPSL2PY+GPSL2C+GLOL1CA+GLOL2P+GLOL2CA+GEOL1
, DSK1+COM1+COM2+COM3+COM4+USB1+USB2+IP10+IP11+IP12+IP13+IP14+IP15+IP16+IP17, SBAS+DGP
SRover+DGPSBase+RTCMv23+RTCMv3x+CMRv20+xPPSOutput+InternalLogging+Heading+APME+RAIM, 5
0, 50
```

getReceiverInterface

```
   ReceiverInterface, RxName, "SSRC2"
   ReceiverInterface, SNMPLanguage, "English"
   ReceiverInterface, SNMPVersion, "20110207"
```

lstConfigFile, Boot

```
# Configuration File "Boot"
# Different from RxDefault:
   setDataInOut, COM1, , SBF+NMEA+ASCIIDisplay
   setIPSettings, Static
   setIPSettings, , "10.74.19.23"
   setIPSettings, , , , "10.74.19.1"
```

lstConfigFile, Current

```
# Configuration File "Current"
# Different from RxDefault:
   setDataInOut, COM1, , SBF
   setDataInOut, USB1, , SBF
   setSBFOutput, Stream1, USB1
   setSBFOutput, Stream1, , PVTCartesian
   setSBFOutput, Stream1, , , msec200
   setIPSettings, Static
   setIPSettings, , "10.74.19.23"
   setIPSettings, , , , "10.74.19.1"
```

getSbfOutput

```
SBFOutput, Stream1, USB1, PVTCartesian, msec200
SBFOutput, Stream2, none, none, off
SBFOutput, Stream3, none, none, off
SBFOutput, Stream4, none, none, off
SBFOutput, Stream5, none, none, off
SBFOutput, Stream6, none, none, off
SBFOutput, Stream7, none, none, off
SBFOutput, Stream8, none, none, off
SBFOutput, Stream9, none, none, off
SBFOutput, Stream10, none, none, off
SBFOutput, Res1, IP15, OutputLink+AttEuler+GEOIGPMask+GEOIonoDelay+PVTGeodetic+PosCo
vGeodetic+VelCovGeodetic+DOP+EndOfPVT+ReceiverTime+ExtEvent+DiffCorrIn+BaseStation+Cha
nnelStatus+ReceiverStatus+ReceiverSetup+Commands+BaseVectorCart, msec200
SBFOutput, Res2, none, none, off
SBFOutput, Res3, none, none, off
SBFOutput, Res4, none, none, off
```

getDataInOut

```
DataInOut, DSK1, CMD, SBF+NMEA, (on)
DataInOut, COM1, CMD, SBF, (on)
DataInOut, COM2, CMD, SBF+NMEA, (on)
DataInOut, COM3, CMD, SBF+NMEA, (on)
DataInOut, COM4, CMD, SBF+NMEA, (on)
DataInOut, USB1, CMD, SBF, (on)
DataInOut, USB2, CMD, SBF+NMEA, (on)
DataInOut, IP10, CMD, SBF+NMEA, (off)
DataInOut, IP11, CMD, SBF+NMEA, (off)
DataInOut, IP12, CMD, SBF+NMEA, (off)
DataInOut, IP13, CMD, SBF+NMEA, (off)
DataInOut, IP14, CMD, SBF+NMEA, (off)
DataInOut, IP15, CMD, SBF+NMEA, (on)
DataInOut, IP16, CMD, SBF+NMEA, (off)
DataInOut, IP17, CMD, SBF+NMEA, (off)
```

lstInternalFile, Error

```
WARNING: THIS IS AN OLD ERROR!!!
GNSS FW: 2.1.3  SN: 2001644
CURRENT TIME:1037999128
  0 1037968191 Lv: Err Ln: 378 fn_TrackerRouter_processIntert Received warningflag fro
m tracker : Main (  0 ---------- Lv: Err Ln: 723 intertrack_CreateTrackerdataCh non-
zero channelInfo data found while PRN=0 (log=19,ant=0)
  1 1037968190 Lv: Err Ln: 378 fn_TrackerRouter_processIntert Received warningflag fro
m tracker : Main (  0 ---------- Lv: Err Ln: 723 intertrack_CreateTrackerdataCh non-
zero channelInfo data found while PRN=0 (log=19,ant=0)
  2 1037968190 Lv: Err Ln: 378 fn_TrackerRouter_processIntert Received warningflag fro
m tracker : Main (  0 ---------- Lv: Err Ln: 723 intertrack_CreateTrackerdataCh non-
zero channelInfo data found while PRN=0 (log=19,ant=0)
```

lstInternalFile, SisError

```
No error information available!
```

lstInternalFile, DiffCorrError

```
No error information available!
```

Ascii Display

```
#21:05:31  26 Nov 2012 - sec:162331 week:1716 - uptime:  9d21:57
# -- TRACKING 18 sats ------------------------------------------
#Ch PRN Cor El    Res    DRes|Sg    LT C/N0    LT C/N0 |Sg    LT C/N0    LT C/N0 |
Sg    LT C/N0    LT C/N0
#           [d]    [m]    [m/s]|    [s][dBHz]    [s][dBHz]|    [s][dBHz]    [s]
[dBHz]|    [s][dBHz]    [s][dBHz]
```

```
#                          |  ---MAIN--- ---AUX1--- |  ---MAIN---  ---AUX1--- |   ---MAIN---  ---AUX1---
# 1   2  1  16-   -0.5 +0.008|1C 24035 40.6  24265 41.6 |2P 23986 24.2  24241 22.7 |
2C   ACQ         ACQ
# 2  21  1  39+   +0.0 +0.008|1C  5128 46.7   5127 46.0 |2P  5116 33.6   5116 31.6 |
2C   ACQ         ACQ
# 3   8  1  11-   -0.3 +0.006|1C  2929 40.7   2928 39.4 |2P  2920 19.5   2912 18.4 |
2C   ACQ         ACQ
# 4  18  1  24+   -0.4 -0.013|1C  2806 43.3   2806 43.5 |2P  2789 26.2   2797 24.1 |
2C   ACQ         ACQ
# 5   5  1  36-   +0.2 -0.006|1C 17995 47.2  17995 47.1 |2P 17986 36.6  17989 34.7 |
2C 17990 42.9  17987 41.2
# 6  29  1  46-   +0.2 +0.002|1C 12193 49.5  12193 49.1 |2P 12187 41.2  12187 39.3 |
2C 12188 45.0  12188 43.7
# 7  26  1  58-   -0.2 -0.001|1C 10909 51.8  10909 51.3 |2P 10900 43.8  10903 41.7 |
2C   ACQ         ACQ
# 8  15  1  73+   -0.1 -0.000|1C  7993 52.8   7993 52.2 |2P  7978 48.4   7987 46.4 |
2C  7979 49.7   7986 48.3
# 9                         |                          |                          |

#10                         |                          |                          |

#11                         |                          |                          |

#12                         |                          |                          |

#13                         |                          |                          |

#14                         |                          |                          |

#15  42     12+            |1C   298 44.2    298 36.8 |
2C   298 42.4    298 38.7 |
#16                         |                          |                          |

#17  55     47-            |1C 13120 53.2  13120 49.8 |
2C 13120 49.9  13120 49.2 |
#18  40     43-            |1C 14182 50.3  14174 41.8 |
2C 14182 48.6  14177 45.1 |
#19  41     54+            |1C  7879 53.7   7474 45.4 |
2C  7683 50.5   7510 46.5 |
#20  56     55+            |1C  6118 53.6   6118 46.8 |
2C  6118 49.7   6116 47.1 |
#21  49     11-            |1C  2223 44.5   2223 40.2 |
2C  2222 38.8   2222 40.1 |
#22  50     17+            |1C  1536 44.8   1535 40.3 |
2C  1536 40.2   1535 39.5 |
#23                         |                          |                          |

#24                         |                          |                          |

#25                         |                          |                          |

#26                         |                          |                          |

#27 135     18+            |
1C  1132 43.1  99999 42.4 |                          |
#28 133     38+            |
1C 99999 45.3  99999 43.6 |                          |
#29 138     35+            |
1C 99999 47.6  99999 46.4 |                          |
# -- PVT: SBAS - 138 ------------ 8 sats -----------------------
# POS N 38o12'07.916" W  77o22'24.951" H  +34.812 m
# VEL N  +0.001 m/s  E   -0.004 m/s  U   +0.005 m/s
# CLK B +41.514 usec D -1905.312 ppb
# DOP P  +1.785       H   +1.021       V   +1.464
# -- Heading ------- 15 sats (Fixed) ----------------------------
```

```
# Baseline =        4.88 m       Heading =  358.64402 deg      Pitch =     0.03243 deg
# -- RX INFO -------------------------------------------------
# CPU: 19% (tracking:  0%)           INTLTCY: 23ms
# ERROR: none                        DISK(S): MOUNTED
```

Platform Information

Operating System

Microsoft Windows XP Professional Service Pack 3 (build 2600)

System CPU

CPU:	Intel(R) Pentium(R) D CPU 2.80GHz (GenuineIntel)
Stepping ID:	7
Model:	4
Family:	15
L2 cache size:	1.0 MB
CPU Features:	FPU MMX SSE SSE2 SSE3 HTT
Number of CPUs:	2

- CPU 0 speed: ~2,793 MHz
- CPU 1 speed: ~2,793 MHz

System Memory

Memory in use:	48%
Total physical memory:	1,014.1 MB
Free physical memory:	523.7 MB
Total paging file:	2.9 GB
Free paging file:	2.2 GB
Total virtual memory:	2.0 GB
Free virtual memory:	1.9 GB

System Disks

C:

Used: 33%

Free: 100.3 GB

Total: 148.9 GB

D:

Used: 51%

Free: 63.2 GB

Total: 128.0 GB