

Command List

The following table lists the set of commands and arguments supported by the receiver. A full description of the commands can be found in the Reference Guide.

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sam gam	setAGCMode getAGCMode	Band <i>Band</i>	<i>Mode</i>	<i>Gain</i>						
		+ L1 + L2 + L5 + LBand all	auto frozen manual	0 ... <u>35</u> ... 70 dB						
sac gac	setAntennaConnector getAntennaConnector	<i>MainAntenna</i>								
		auto Ext Int								
lai	lstAntennalInfo	Antenna								
		Overview Main [antenna name]								
sal gal	setAntennaLocation getAntennaLocation	Antenna <i>Antenna</i>	<i>Mode</i>	<i>DeltaX</i>	<i>DeltaY</i>	<i>DeltaZ</i>				
		+ Base all	auto manual	-1000.0000 ... <u>0.0000</u> ... 1000.0000 m	-1000.0000 ... <u>0.0000</u> ... 1000.0000 m	-1000.0000 ... <u>0.0000</u> ... 1000.0000 m				
sao gao	setAntennaOffset getAntennaOffset	Antenna <i>Antenna</i>	<i>DeltaE</i>	<i>DeltaN</i>	<i>DeltaU</i>	<i>Type (20)</i>	<i>SerialNr (20)</i>	<i>SetupID</i>		
		+ Main all	-1000.0000 ... <u>0.0000</u> ... 1000.0000 m	-1000.0000 ... <u>0.0000</u> ... 1000.0000 m	-1000.0000 ... <u>0.0000</u> ... 1000.0000 m	Unknown	Unknown	0 ... 255		
sto gto	setAttitudeOffset getAttitudeOffset	<i>Heading</i>	<i>Pitch</i>							
		-360.000 ... <u>0.000</u> ... 360.000 deg	-90.000 ... <u>0.000</u> ... 90.000 deg							
sbbs gbbs	setBBSamplingMode getBBSamplingMode	<i>Mode</i>								
		BeforeIM AfterIM								
sca gca	setChannelAllocation getChannelAllocation	Channel <i>Channel</i>	<i>Satellite</i>	<i>Search</i>	<i>Doppler</i>	<i>Window</i>				
		+ Ch01 ... Ch50 all	auto G01 ... G32 F01 ... F14 E01 ... E36 S120 ... S158 C01 ... C37 J01 ... J07 I01 ... I14	auto manual	-50000 ... <u>0</u> ... 50000 Hz	1 ... 16000 ... 100000 Hz				
scia gcia	setCheckInternetAvailability getCheckInternetAvailability	<i>Mode</i>								
		off on								
eccd gccd	exeClearCollectDatabase getClearCollectDatabase	CollectDB								
		+ CollectDB1 + CollectDB2 + CollectDB3 all								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
scst gcst	setClockSyncThreshold getClockSyncThreshold	<i>Threshold</i>								
		ClockSteering usec500 msec1 msec2 msec3 msec4 msec5								
sc2f gc2f	setCMRv2Formatting getCMRv2Formatting	<i>ReferenceID</i>								
		0 ... 31								
sc2i gc2i	setCMRv2Interval getCMRv2Interval	<i>Message</i> <i>Message</i>	<i>Interval</i>							
		+ CMR0 + CMR1 + CMR2 + CMR3 all	0.1 ... 1.0 ... 600.0 s							
sc2m gc2m	setCMRv2Message2 getCMRv2Message2	<i>ShortID (8)</i>	<i>LongID (50)</i>	<i>COGO (16)</i>						
		<u>Unknown</u>	<u>Unknown</u>	<u>Unknown</u>						
sc2o gc2o	setCMRv2Output getCMRv2Output	<i>Cd</i> <i>Cd</i>	<i>Messages</i>							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + NTR4 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none + <u>CMR0</u> + <u>CMR1</u> + <u>CMR2</u> + <u>CMR3</u> all							
sc2u gc2u	setCMRv2Usage getCMRv2Usage	<i>MsgUsage</i>								
		none + <u>CMR0</u> + <u>CMR1</u> + <u>CMR2</u> + <u>CMR3</u> + <u>CMR0p</u> + <u>CMR0w</u> all								
scm gcm	setCN0Mask getCN0Mask	<i>Signal</i> <i>Signal</i>	<i>Mask</i>							

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		+ GPSL1CA + Reserved1 + Reserved2 + GPSL2C + GPSL5 + GLOL1CA + GLOL2P + GLOL2CA + GLOL3 + GALL1BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB1C + BDSB2a + QZSL1CA + QZSL2C + QZSL5 + NAVICL5 all	0 ... 10 ... 60 dB-Hz							
scdd gcdd	setCollectDBAppData getCollectDBAppData	CollectDB <i>CollectDB</i>	<i>AppParams1 (25)</i>	<i>AppParams2 (25)</i>	<i>AppParams3 (25)</i>	<i>AppParams4 (25)</i>				
		+ CollectDB1 + CollectDB2 + CollectDB3 all								
scdt gdt	setCollectDBAttributes getCollectDBAttributes	Attribute <i>Attribute</i>	<i>CollectDB</i>	<i>Name (40)</i>	<i>Value (40)</i>					
		+ Attr1 ... Attr20 all	<i>none</i> + CollectDB1 + CollectDB2 + CollectDB3							
scdo gcdo	setCollectDBProperties getCollectDBProperties	CollectDB <i>CollectDB</i>	<i>Name (50)</i>							
		+ CollectDB1 + CollectDB2 + CollectDB3 all								
lci	IstCollectedItems	Item	<i>Attributes (255)</i>							
		CollectDB1 CollectDB2 CollectDB3 all [collectId]	"+"-separated list of attributes							
lcp	IstCollectPlaceholders									
ecp gcp	exeCollectPoint getCollectPoint	CollectDB	Comment (250)							
		CollectDB1 CollectDB2 CollectDB3								
help	IstCommandHelp	Action (255)								
		Overview								
scs gcs	setCOMSettings getCOMSettings	Cd <i>Cd</i>	<i>Rate</i>	<i>DataBits</i>	<i>Parity</i>	<i>StopBits</i>	<i>FlowControl</i>			

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		+ COM1 + COM2 + COM3 + COM4 all	baud1200 baud2400 baud4800 baud9600 baud19200 baud38400 baud57600 baud115200 baud230400 baud460800 baud500000 baud576000 baud921600 baud1000000 baud1152000 baud1500000 baud2000000 baud2500000 baud3000000 baud3500000 baud4000000	<u>bits8</u>	No	<u>bit1</u>	none RTS CTS			
lcf	lcfConfigFile	File								
		Current Boot RxDefault User1 User2								
eccf gccf	exeCopyConfigFile getCopyConfigFile	Source	Target							
		Current Boot User1 User2 RxDefault	Current Boot User1 User2							
scoc gcoc	setCosmosConfig getCosmosConfig	Enable	CustomerID (24)							
		off on								
scda gcda	setCrossDomainWebAccess getCrossDomainWebAccess	Mode								
		off on								
lcu	lcfCurrentUser									
sdcm gdcn	setDaisyChainMode getDaisyChainMode	DC DC	Mode							
		+ DC1 + DC2 all	Raw ASCII							
sdio gdio	setDataInOut getDataInOut	Cd Cd	Input	Output	Show					

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		+ DSK1 + COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + NTR4 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none CMD RTCMv2 RTCMv3 CMRv2 DC1 DC2 ASCIIN SPARTN auto	none + RTCMv2 + RTCMv3 + CMRv2 + SBF + NMEA + ASCIIIDisplay + DC1 + DC2 + Encapsulate + LBandBeam1 + LBandBeam2	(off) (on) (waiting)					
sdal gdal	setDefaultAccessLevel getDefaultAccessLevel	Web	FileTransfer	Ip	Com	Usb				
		none Viewer User	none Viewer User	none Viewer User	none Viewer User	none Viewer User				
edp gdp	exeDeletePoint getDeletePoint	CollectID								
		0 ... 439804651110								
sdca gdca	setDiffCorrMaxAge getDiffCorrMaxAge	DGPSCorr	RTKCorr	PPPCorr	Iono					
		0.0 ... 400.0 ... 3600.0 s	0.0 ... 20.0 ... 3600.0 s	0.0 ... 0.0 s	0.0 ... 600.0 ... 3600.0 s					
sdcu gdcu	setDiffCorrUsage getDiffCorrUsage	Mode	MaxAge	BaseSelection	BaseID	MovingBase	MaxBase	MaxBaseline		
		LowLatency	0.1 ... 3600.0 s	auto manual	0 ... 4095	off on	1 ... 10	0 ... 2500000 m		
sdfa gdfa	setDiskFullAction getDiskFullAction	Disk Disk	Action							
		+ DSK1 all	DeleteOldest StopLogging							
ldi	lstDiskInfo	Disk	Directory (60)							
		DSK1 all								
sdds gdss	setDynamicDNS getDynamicDNS	Provider	UserName (40)	Password (40)	Hostname (40)	Bind				
		off dyndns.org no-ip.com				auto Ethernet				
eeem geem	exeEchoMessage getEchoMessage	Cd	Message (242)	EndOfLine						

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		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 DC1 DC2	<u>A:Unknown</u>	<u>none</u> + CR + LF all						
sem gem	setElevationMask getElevationMask	Engine <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	-90 ... 0 ... 90 deg							
smth gmth	setENHTransfoHorizontal getENHTransfoHorizontal	TransfoID <i>TransfoID</i>	<i>DeltaE</i>	<i>DeltaN</i>	<i>E0</i>	<i>N0</i>	<i>AlphaEE</i>	<i>AlphaEN</i>	<i>AlphaNE</i>	<i>AlphaNN</i>
		+ lt1 all	-250.0000 ... 0.0000 ... 250.0000 m	-250.0000 ... 0.0000 ... 250.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm
smtv gmtv	setENHTransfoVertical getENHTransfoVertical	TransfoID <i>TransfoID</i>	<i>DeltaH</i>	<i>E0</i>	<i>N0</i>	<i>AlphaHE</i>	<i>AlphaHN</i>			
		+ lt1 all	-250.0000 ... 0.0000 ... 250.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-1000.0000 ... 0.0000 ... 1000.0000 ppm	-1000.0000 ... 0.0000 ... 1000.0000 ppm			
seth geth	setEthernetMode getEthernetMode	<i>Enable</i>								
		<u>off</u> on								
sep gep	setEventParameters getEventParameters	Event <i>Event</i>	<i>Polarity</i>	<i>Delay</i>						
		+ EventA + EventB all	Low2High High2Low	-500.000000 ... 0.000000 ... 500.000000 ms						
sfn gfn	setFileNaming getFileNaming	Cd <i>Cd</i>	<i>NamingType</i>	<i>FileName (20)</i>						
		+ DSK1 all	<u>FileName</u> Incremental IGS15M IGS1H IGS6H IGS24H	<u>log</u>						
sfpr gfpr	setFTPPushRINEX getFTPPushRINEX	<i>Server (32)</i>	<i>Path (64)</i>	<i>User (12)</i>	<i>Password (24)</i>					
				<u>anonymous</u>						
sfps gfps	setFTPPushSBF getFTPPushSBF	<i>Server (32)</i>	<i>Path (64)</i>	<i>User (12)</i>	<i>Password (24)</i>					
				<u>anonymous</u>						
efpt gfpt	exeFTPPushTest getFTPPushTest	Server (40)	Path (64)	User (20)	Password (40)					
				<u>anonymous</u>						
efup gfup	exeFTPUpgrade getFTPUpgrade	Server (32)	Path (64)	Login (12)	Password (24)					
				<u>anonymous</u>						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sgd ggd	setGeodeticDatum getGeodeticDatum	<i>TargetDatum</i>								
		WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 <u>Default</u> User1 User2								
sgu ggu	setGeoidUndulation getGeoidUndulation	<i>Mode</i>	<i>Undulation</i>							
		<u>auto</u> manual	-250.000 ... <u>0.000</u> ... 250.000 m							
sfno gfno	setGlobalFileNamingOptions getGlobalFileNamingOptions	<i>BusyTag</i>								
		off <u>on</u>								
sga gga	setGNSSAttitude getGNSSAttitude	<i>Source</i>								
		<u>none</u> MovingBase								
sgpf ggpf	setGPIOFunctionality getGPIOFunctionality	<i>GPPin</i> <i>GPPin</i>	<i>Mode</i>	<i>Input</i>	<i>Output</i>					
		+ GP1 + GP2 all	<u>Output</u>	<u>none</u>	<u>LevelLow</u> LevelHigh					
shm ghm	setHealthMask getHealthMask	<i>Engine</i> <i>Engine</i>	<i>Mask</i>							
		+ Tracking + PVT all	off <u>on</u>							
shs ghs	setHttpsSettings getHttpsSettings	<i>Protocol</i>								
		+ <u>HTTP</u> + <u>HTTPS</u> all								
lif	lstInternalFile	<i>File</i>								
		Permissions Identification Debug Error SisError DiffCorrError SetupError IPPParameters RxMessages								
sim gim	setlonosphereModel getlonosphereModel	<i>Model</i>								
		<u>auto</u> off Klobuchar SBAS MultiFreq KlobucharBeiDou								
sipf gipf	setIPFiltering getIPFiltering	<i>Mode</i>	<i>AddrList (200)</i>							

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		<u>off</u> on								
sipp gipp	setIPPortSettings getIPPortSettings	<i>Command</i>	<i>FTPControl</i>							
		1 ... 28784 ... 65535	1 ... 21 ... 65535							
sirs girs	setIPReceivSettings getIPReceivSettings	Cd <i>Cd</i>	<i>Port</i>	<i>Mode</i>	<i>TCPAddress (40)</i>					
		+ IPR1 + IPR2 + IPR3 all	0 ... 65535	TCP2Way UDP	0.0.0.0					
sis giss	setIPServerSettings getIPServerSettings	Cd <i>Cd</i>	<i>Port</i>	<i>Mode</i>	<i>UDPAddress (200)</i>					
		+ IPS1 + IPS2 + IPS3 + IPS4 + IPS5 all	0 ... 65535	TCP UDP TCP2Way	255.255.255.255					
sips gips	setIPSettings getIPSettings	<i>Mode</i>	<i>IP (16)</i>	<i>Netmask (16)</i>	<i>Gateway (16)</i>	<i>Domain (63)</i>	<i>DNS1 (16)</i>	<i>DNS2 (16)</i>	<i>MTU</i>	
		DHCP Static	0.0.0.0	255.255.255.0	0.0.0.0		0.0.0.0	0.0.0.0	0 ... 1500	
slbb glbb	setLBandBeams getLBandBeams	Beam <i>Beam</i>	<i>Frequency</i>	<i>Rate</i>	<i>Name (8)</i>	<i>Region (8)</i>	<i>Usage</i>			
		+ User1 + User2 all	1525000000 ... 1559000000 Hz	baud600 baud1200 baud2400 baud4800	Unknown	Unknown	Disabled Enabled			
slcs glcs	setLBandCustomServiceID getLBandCustomServiceID	<i>ServiceID (4)</i>	<i>ScramblingVector</i>	<i>NDAUsage</i>						
		0000	0000	off on						
slsm glsm	setLBandSelectMode getLBandSelectMode	<i>Mode</i>	<i>Service</i>	<i>Beam1</i>	<i>Beam2</i>					
		auto off manual	Inmarsat <u>Sapcorda</u>	<u>User1</u> User2 Sapcorda 1 Sapcorda 2	User1 User2 Sapcorda 1 Sapcorda 2					
slm glm	setLEDMode getLEDMode	<i>GPLED</i>								
		DIFFCORLED PVTLED TRACKLED LOGLED								
slco glco	setLocalCoordOperation getLocalCoordOperation	<i>OpName (100)</i>	<i>ENHTransfo</i>							
		NETWORK	none lt1							
llc	lstLocalCoordOperations	Operation								
		Overview								
login	LogIn	<i>UserName (16)</i>	<i>Password (32)</i>							
logout	LogOut									

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
smv gmV	setMagneticVariance getMagneticVariance	<i>Mode</i>	<i>Variance</i>							
		<u>auto</u> manual	-180.0 ... 0.0 ... 180.0 deg							
emd gmd	exeManageDisk getManageDisk	<i>Disk</i>	<i>Action</i>							
		<u>DSK1</u>	<u>Unmount</u> Mount Format							
smp gmp	setMarkerParameters getMarkerParameters	<i>MarkerName (60)</i>	<i>MarkerNumber (10)</i>	<i>MarkerType (20)</i>	<i>StationCode (10)</i>	<i>MonumentIdx</i>	<i>ReceiverIdx</i>	<i>CountryCode (3)</i>		
		<u>SEPT</u>	<u>Unknown</u>	<u>Unknown</u>		<u>0 ... 9</u>	<u>0 ... 9</u>			
smrf gmrf	setMeas3MaxRefInterval getMeas3MaxRefInterval	<i>MaxIntrvl</i>								
		OnlyRef msec500 sec1 sec5 sec10 sec30 <u>sec60</u>								
lmd	lstMIBDescription	<i>File (255)</i>								
		Overview SBFTTable								
smm gmm	setMultipathMitigation getMultipathMitigation	<i>Code</i>	<i>Carrier</i>							
		off <u>on</u>	off <u>on</u>							
snc gnrc	setNetworkRTKConfig getNetworkRTKConfig	<i>NetworkType</i>								
		<u>auto</u> VRS								
enoc gnoc	exeNMEAOnce getNMEAOnce	<i>Cd</i>	<i>Messages</i>							
		DSK1 <u>COM1</u> COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 NTR4 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	+ALM +DTM +GBS +GGA +GLL + <u>GNS</u> +GRS +GSA +GST +GSV +HDT +RMC +ROT +VTG +ZDA +HRP +LLQ +RBP +RBV +RBD +AVR +GGK +GFA +GGQ +LLK +GMP +TFM +SNC +THS							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sno gno	setNMEAOutput getNMEAOutput	<i>Stream</i> <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
		+ Stream1 ... Stream10 all	<u>none</u> DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 NTR4 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3 + AVR + GGK + GFA + GGQ + LLK + GMP + TXTbase + TFM + SNC + THS	<u>none</u> + ALM + DTM + GBS + GGA + GLL + GNS + GRS + GSA + GST + GSV + HDT + RMC + ROT + VTG + ZDA + HRP + LLQ + RBP + RBV + RBD + AVR + GGK + GFA + GGQ + LLK + GMP + TXTbase + TFM + SNC + THS	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snp gnp	setNMEAPrecision getNMEAPrecision	<i>NrExtraDigits</i>	<i>Compatibility</i>	<i>LocalDatum</i>	<i>MinStdDev</i>					
		0 ... 2 ... 3	<u>Nominal</u> Mode1 Mode2	off only	0.000 ... 0.001 ... 1.000 m					
snti gnti	setNMEATalkerID getNMEATalkerID	<i>TalkerID</i>								
		auto GP GN								
snv gnv	setNMEAVersion getNMEAVersion	<i>Version</i>								
		v3x v4x								
snf gnf	setNotchFiltering getNotchFiltering	<i>Notch</i> <i>Notch</i>	<i>Mode</i>	<i>CenterFreq</i>	<i>Bandwidth</i>					
		+ Notch1 + Notch2 + Notch3 all	auto off manual	1100.000 ... 1700.000 MHz	30 ... 1600 kHz					
sntp gntp	setNTPServer getNTPServer	<i>Enable</i>								
		off on								
snmp gnmp	setNtripCasterMountPoints getNtripCasterMountPoints	<i>MountPointID</i> <i>MountPointID</i>	<i>Enable</i>	<i>MPName (32)</i>	<i>ExtServer</i>	<i>UserName (20)</i>	<i>Password (40)</i>	<i>ClientAuth</i>		
		+ MP1 + MP2 + MP3 all	off on		No Yes			none basic		

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
smprf gmpf	setNtripCasterMPFormat getNtripCasterMPFormat	MountPointID MountPointID	Format	ManualFt (30)	FtDetails (100)					
		+ MP1 + MP2 + MP3 all	RTCMv2 RTCMv3 CMR NMEA RAW manual							
snscs gnscs	setNtripCasterSettings getNtripCasterSettings	Mode	Port	Identifier (100)	TlsPort					
		<u>off</u> on	0 ... 2101 ... 65535	<u>default</u>	0 ... 2102 ... 65535					
snucu gnucu	setNtripCasterUsers getNtripCasterUsers	UserID UserID	UserName (20)	Password (40)	MountPoints	MaxClients				
		+ User1 + User2 + User3 + User4 + User5 all			<u>none</u> + MP1 + MP2 + MP3 all	1 ... 10				
snts gnnts	setNtripSettings getNtripSettings	Cd Cd	Mode	Caster (40)	Port	UserName (20)	Password (40)	MountPoint (32)	Version	SendGGA
		+ NTR1 + NTR2 + NTR3 + NTR4 all	<u>off</u> Server Client Client-Sapcorda		0 ... 2101 ... 65535				v1 <u>v2</u>	<u>auto</u> off sec1 sec5 sec10 sec60
Inst	IstNTRIPSourceTable	Caster (40)	Port							
			0 ... 2101 ... 65535							
sntt gnntt	setNtripTlsSettings getNtripTlsSettings	Cd Cd	Enable	Fingerprint (96)						
		+ NTR1 + NTR2 + NTR3 + NTR4 all	<u>off</u> on							
soc goc	setObserverComment getObserverComment	Comment (120)								
		<u>Unknown</u>								
sop gop	setObserverParameters getObserverParameters	Observer (20)	Agency (40)							
		<u>Unknown</u>	<u>Unknown</u>							
spe gpe	setPeriodicEcho getPeriodicEcho	Cd Cd	Message (201)	Interval						

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		+ COM1 + COM2 + COM3 + COM4 all	<u>A:Unknown</u>	off once msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60						
sp2p gp2p	setPointToPoint getPointToPoint	SessionID <i>SessionID</i>	Mode	Cd	ClientIP (20)	ServerIP (20)	Auth	Password (40)	ConnectTimeout	ActivityTimeout
		+ P2PP1 all	Off Server	COM1 COM2 COM3 COM4	192.168.50.2	192.168.50.1	None PAP CHAP		60 ... 300 s	10 ... 600 ... 32000 s
spfw gpfw	setPortFirewall getPortFirewall	Interface <i>Interface</i>	OpenPorts	PortList (100)						
		+ Ethernet all	none <u>default</u> all PortList							
epwm gpwm	exePowerMode getPowerMode	Mode								
		<u>ScheduledSleep</u> StandBy								
spps gpss	setPPSPParameters getPPSPParameters	Interval	Polarity	Delay	TimeScale	MaxSyncAge	PulseWidth			
		off msec10 msec20 msec50 msec100 msec200 msec250 msec500 sec1 sec2 sec5 sec10	Low2High High2Low	-1000000.00 ... 0.00 ... 1000000.00 ns	TimeSys UTC RxClock GLONASS	0 ... 60 ... 3600 s	0.001 ... 5.000 ... 1000.000 ms			
spm gpm	setPVTMode getPVTMode	Mode	RoverMode	RefPos						
		Static <u>Rover</u>	+ <u>StandAlone</u> + SBAS + DGPS + RTKFloat + RTKFixed + RTK all	<u>auto</u> Geodetic1 Geodetic2 Geodetic3 Geodetic4 Geodetic5 Cartesian1 Cartesian2 Cartesian3 Cartesian4 Cartesian5						
srl grl	setRAIMLevels getRAIMLevels	Mode	Pfa	Pmd	Reliability					
		off <u>on</u>	-12 ... <u>4</u> ... -1	-12 ... <u>4</u> ... -1	-12 ... <u>3</u> ... -1					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
grc	getReceiverCapabilities									
srd grd	setReceiverDynamics getReceiverDynamics	<i>Level</i>	<i>Motion</i>							
		Max High <u>Moderate</u> Low	Static Quasistatic Pedestrian <u>Automotive</u> RaceCar HeavyMachinery UAV Unlimited							
gri	getReceiverInterface	<i>Item</i>								
		+ RxName + SNMPLanguage + SNMPVersion all								
lrf	lstRecordedFile	<i>Disk</i>	<i>FileName (60)</i>							
		DSK1								
era gra	exeRegisteredApplications getRegisteredApplications	<i>Cd</i> <i>Cd</i>	<i>Application (12)</i>							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 all	<u>Unknown</u>							
erf grf	exeRemoveFile getRemoveFile	<i>Disk</i>	<i>FileName (200)</i>							
		DSK1	<u>none</u> all							
ernf grnf	exeResetNavFilter getResetNavFilter	<i>Level</i>								
		+ PVT + <u>AmbRTK</u> all								
erst grst	exeResetReceiver getResetReceiver	<i>Level</i>	<i>EraseMemory</i>							
		Soft <u>Hard</u> Upgrade	<u>none</u> + Config + PVTData + SatData + HTTPSCertificate all							
srxl grxl	setRINEXLogging getRINEXLogging	<i>Cd</i> <i>Cd</i>	<i>FileDuration</i>	<i>ObsInterval</i>	<i>SignalTypes</i>	<i>ExtraObsTypes</i>	<i>RINEXVersion</i>	<i>MixedNav</i>		

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ <u>DSK1</u> all	<u>none</u> hour1 hour6 hour24 minute15	<u>sec1</u> sec2 sec5 sec10 sec15 sec30 sec60	<u>none</u> + <u>GPSL1CA</u> + <u>GPSL1PY</u> + <u>GPSL2PY</u> + <u>GPSL2C</u> + <u>GPSL5</u> + <u>GLOL1CA</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + <u>GLOL3</u> + <u>GALL1BC</u> + <u>GALE5a</u> + <u>GALE5b</u> + <u>GALE5</u> + <u>GEOL1</u> + <u>GEOL5</u> + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>BDSB1C</u> + <u>BDSB2a</u> + <u>QZSL1CA</u> + <u>QZSL2C</u> + <u>QZSL5</u> + <u>NAVICL5</u> all	<u>none</u> + Dx + Sx + Channel all	<u>v2x</u> v3x	off <u>on</u>		
sr2c gr2c	setRTCMv2Compatibility getRTCMv2Compatibility	<i>PRCType</i>	<i>GLOToD</i>	<i>RTKVersion</i>						
		<u>Standard</u> GroupDelay	<u>Tk</u> Tb	v2.1 <u>v2.2orLater</u>						
sr2f gr2f	setRTCMv2Formatting getRTCMv2Formatting	<i>ReferenceID</i>	<i>GLOToD</i>							
		<u>0 ... 1023</u>	<u>Tk</u> Tb							
sr2i gr2i	setRTCMv2Interval getRTCMv2Interval	Message <i>Message</i>	<i>ZCount</i>							
		+ RTCM1 + RTCM3 + RTCM9 + RTCM16 + RTCM17 + RTCM22 + RTCM23 24 + RTCM31 + RTCM32 all	1 ... 2 ... 1000							
sr2b gr2b	setRTCMv2IntervalObs getRTCMv2IntervalObs	Message <i>Message</i>	<i>Interval</i>							
		+ RTCM18 19 + RTCM20 21 all	1 ... 600 s							
sr2m gr2m	setRTCMv2Message16 getRTCMv2Message16	<i>Message (90)</i>								
		<u>Unknown</u>								
sr2o gr2o	setRTCMv2Output getRTCMv2Output	Cd <i>Cd</i>	Messages							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + NTR4 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none + <u>RTCM1</u> + <u>RTCM3</u> + <u>RTCM9</u> + <u>RTCM16</u> + <u>RTCM18 19</u> + <u>RTCM20 21</u> + <u>RTCM22</u> + <u>RTCM23 24</u> + <u>RTCM31</u> + <u>RTCM32</u> + <u>RTCM17</u> + DGPS + RTK all							
sr2u gr2u	setRTCMv2Usage getRTCMv2Usage	<i>MsgUsage</i>								
		none + <u>RTCM1</u> + <u>RTCM3</u> + <u>RTCM9</u> + <u>RTCM15</u> + <u>RTCM18 19</u> + <u>RTCM20 21</u> + <u>RTCM22</u> + <u>RTCM23 24</u> + <u>RTCM31</u> + <u>RTCM32</u> + <u>RTCM34</u> + <u>RTCM17</u> + <u>RTCM59</u> all								
sr3t gr3t	setRTCMv3CRSTransfo getRTCMv3CRSTransfo	<i>Mode</i>	<i>TargetName (32)</i>							
		auto manual								
sr3d gr3d	setRTCMv3Delay getRTCMv3Delay	<i>Delay</i>								
		0.0 ... 600.0 s								
sr3f gr3f	setRTCMv3Formatting getRTCMv3Formatting	<i>ReferenceID</i>	<i>MSMSignals</i>	<i>GLOL2</i>	<i>RxType (32)</i>					
		0 ... 4095	+ GPSL1CA + GPSL1PY + GPSL2PY + GPSL2C + GPSL5 + <u>GLOL1CA</u> + <u>GLOL2P</u> + <u>GLOL2CA</u> + <u>GLOL3</u> + <u>GALL1BC</u> + <u>GALE5a</u> + <u>GALE5b</u> + GALE5 + GEOL1 + GEOL5 + <u>BDSB1I</u> + <u>BDSB2I</u> + <u>QZSL1CA</u> + <u>QZSL2C</u> + QZSL5 + NAVICL5 all	L2CA L2P	default					

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sr3i gr3i	setRTCMv3Interval getRTCMv3Interval	Message <i>Message</i>	<i>Interval</i>							
		+ RTCM1001 2 + RTCM1003 4 + RTCM1005 6 + RTCM1007 8 + RTCM1009 10 + RTCM1011 12 + RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 + RTCM1033 + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1230 + MSM1 ... MSM7 all	0.1 ... 1.0 ... 600.0 s							
sr3m gr3m	setRTCMv3Message1029 getRTCMv3Message1029	<i>Message (120)</i>								
		<u>Unknown</u>								
sr3o gr3o	setRTCMv3Output getRTCMv3Output	Cd <i>Cd</i>	<i>Messages</i>							
		+ COM1 + COM2 + COM3 + COM4 + USB1 + USB2 + IP10 ... IP17 + NTR1 + NTR2 + NTR3 + NTR4 + IPS1 + IPS2 + IPS3 + IPS4 + IPS5 + IPR1 + IPR2 + IPR3 all	none + RTCM1001 + RTCM1002 + RTCM1003 + <u>RTCM1004</u> + RTCM1005 + <u>RTCM1006</u> + RTCM1007 + RTCM1008 + RTCM1009 + RTCM1010 + RTCM1011 + <u>RTCM1012</u> + RTCM1013 + RTCM1019 + RTCM1020 + RTCM1029 + <u>RTCM1033</u> + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1071 ... RTCM1077 + RTCM1081 ... RTCM1087 + RTCM1091 ... RTCM1097 + RTCM1101 ... RTCM1107 + RTCM1111 ... RTCM1117 + RTCM1121 ... RTCM1127 + RTCM1131 ... RTCM1137 + <u>RTCM1230</u> + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
sr3u gr3u	setRTCMv3Usage getRTCMv3Usage	MsgUsage								
		none + RTCM1001 ... RTCM1013 + RTCM1015 + RTCM1016 + RTCM1017 + RTCM1019 ... RTCM1027 + RTCM1029 + RTCM1033 + RTCM1037 + RTCM1038 + RTCM1039 + RTCM1042 + RTCM1044 + RTCM1045 + RTCM1046 + RTCM1071 ... RTCM1077 + RTCM1081 ... RTCM1087 + RTCM1091 ... RTCM1097 + RTCM1121 ... RTCM1127 + RTCM1230 + MSM1 + MSM2 + MSM3 + MSM4 + MSM5 + MSM6 + MSM7 all								
sst gst	setSatelliteTracking getSatelliteTracking	Satellite								
		none + G01 ... G32 + R01 ... R30 + E01 ... E36 + S120 ... S158 + C01 ... C37 + J01 ... J07 + I01 ... I14 + GPS + GLONASS + GALILEO + SBAS + BEIDOU + QZSS + NAVIC all								
ssu gsu	setSatelliteUsage getSatelliteUsage	Satellite								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		none + G01 ... G32 + R01 ... R24 + R25 + R26 + R27 + R28 + R29 + R30 + E01 ... E36 + S120 ... S158 + C01 ... C37 + GPS + GLONASS + GALILEO + SBAS + BEIDOU all								
ssbc gsbc	setSBASCorrections getSBASCorrections	<i>Satellite</i>	<i>SISMode</i>	<i>NavMode</i>	<i>DO229Version</i>					
		auto EGNOS WAAS MSAS GAGAN SDCM S120 ... S158	Test <u>Operational</u>	EnRoute PrecApp <u>MixedSystems</u>	auto DO229C					
ssgp gsdp	setSBFGroups getSBFGroups	<i>Group</i> <i>Group</i>	<i>Messages</i>							
		+ Group1 + Group2 + Group3 + Group4 all	none [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTExtra + Attitude + Time + Events + DiffCorr + Status + LBand + PostProcess + Rinex + RinexMeas3 + Support							
esoc gsoc	exeSBFOnce getSBFOnce	<i>Cd</i>	<i>Messages</i>							

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 NTR4 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	[SBF List] + Measurements + Meas3 + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + Status + LBand + UserGroups + PostProcess + Rinex + RinexMeas3 + Support							
sso gso	setSBFOutput getSBFOutput	<i>Stream</i> <i>Stream</i>	<i>Cd</i>	<i>Messages</i>	<i>Interval</i>					
		+ Stream1 ... Stream10 + Res1 + Res2 + Res3 + Res4 all	none DSK1 COM1 COM2 COM3 COM4 USB1 USB2 IP10 ... IP17 NTR1 NTR2 NTR3 NTR4 IPS1 IPS2 IPS3 IPS4 IPS5 IPR1 IPR2 IPR3	none [SBF List] + Measurements + Meas3 + RawNavBits + GPS + GLO + GAL + GEO + BDS + QZS + PVTCart + PVTGeod + PVTEExtra + Attitude + Time + Event + DiffCorr + Status + LBand + UserGroups + PostProcess + Rinex + RinexMeas3 + Support	off OnChange msec10 msec20 msec40 msec50 msec100 msec200 msec500 sec1 sec2 sec5 sec10 sec15 sec30 sec60 min2 min5 min10 min15 min30 min60					
snt gnt	setSignalTracking getSignalTracking	<i>Signal</i>								

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB1C +BDSB2a +QZSL1CA +QZSL2C +QZSL5 +NAVICL5 +GPS +GLONASS +GALILEO +SBAS +BEIDOU +QZSS +NAVIC all								
snu gnu	setSignalUsage getSignalUsage	PVT	NavData							
		+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB1C +BDSB2a all	+GPSL1CA +GPSL1PY +GPSL2PY +GPSL2C +GPSL5 +GLOL1CA +GLOL2P +GLOL2CA +GLOL3 +GALL1BC +GALE5a +GALE5b +GALE5 +GEOL1 +GEOL5 +BDSB1I +BDSB2I +BDSB1C +BDSB2a +QZSL1CA +QZSL2C +QZSL5 all							
ssi gsi	setSmoothingInterval getSmoothingInterval	Signal Signal	Interval	Alignment						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ GPSL1CA + GPSL2PY + GPSL2C + GPSL5 + GLOL1CA + GLOL2P + GLOL2CA + GLOL3 + GALL1BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB1C + BDSB2a + QZSL1CA + QZSL2C + QZSL5 + NAVICL5 all	0 ... 1000 s	0 ... 1000 s						
sspc gspc	setStaticPosCartesian getStaticPosCartesian	Position <i>Position</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>Datum</i>				
		+ Cartesian1 + Cartesian2 + Cartesian3 + Cartesian4 + Cartesian5 all	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	-8000000.0000 ... 0.0000 ... 8000000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 User1 User2 Other				
sspg gspg	setStaticPosGeodetic getStaticPosGeodetic	Position <i>Position</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Altitude</i>	<i>Datum</i>				
		+ Geodetic1 + Geodetic2 + Geodetic3 + Geodetic4 + Geodetic5 all	-90.0000000000 ... 0.0000000000 ... 90.0000000000 deg	-180.0000000000 ... 0.0000000000 ... 180.0000000000 deg	-1000.0000 ... 0.0000 ... 30000.0000 m	WGS84 ETRS89 NAD83 NAD83_PA NAD83_MA GDA94 GDA2020 User1 User2 Other				
stss gtss	setTimeSyncSource getTimeSyncSource	<i>Source</i>								
		none EventA EventB								
sts gts	setTimingSystem getTimingSystem	<i>System</i>								
		GST GPS BeiDou								
stlp gtlp	setTrackingLoopParameters getTrackingLoopParameters	Signal <i>Signal</i>	<i>DLLBandwidth</i>	<i>PLLBandwidth</i>	<i>MaxTpDLL</i>	<i>MaxTpPLL</i>	<i>Adaptive</i>			

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		+ GPSL1CA + Reserved1 + Reserved2 + GPSL2C + GPSL5 + GLOL1CA + GLOL2P + GLOL2CA + GLOL3 + GALL1BC + GALE5a + GALE5b + GALE5 + GEOL1 + GEOL5 + BDSB1I + BDSB2I + BDSB1C + BDSB2a + QZSL1CA + QZSL2C + QZSL5 + NAVICL5 all	0.01 ... 0.25 ... 5.00 Hz	1 ... 15 ... 100 Hz	1 ... 100 ... 500 ms	1 ... 10 ... 200 ms	off on			
stm gtm	setTroposphereModel getTroposphereModel	ZenithModel	MappingModel							
		off Saastamoinen MOPS	Niell MOPS							
stp gtp	setTroposphereParameters getTroposphereParameters	Temperature	Pressure	Humidity						
		-100.0 ... 15.0 ... 100.0 degC	800.00 ... 1013.25 ... 1500.00 hPa	0 ... 50 ... 100 %						
suoc guoc	setUMSDOnConnect getUMSDOnConnect	Mode								
		off on								
eup gup	exeUpdatePoint getUpdatePoint	CollectID	Comment (250)							
		0 ... 439804651110								
sual gual	setUserAccessLevel getUserAccessLevel	UserID UserID	UserName (16)	Password (32)	UserLevel	SSHKey (232)				
		+ User1 ... User8 all			Viewer User					
sud gud	setUserDatum getUserDatum	Datum Datum	Tx	Ty	Tz	Rx	Ry	Rz	D	
		+ User1 + User2 all	-2000000.00 ... 0.00 ... 2000000.00 mm	-2000000.00 ... 0.00 ... 2000000.00 mm	-2000000.00 ... 0.00 ... 2000000.00 mm	-100.0000 ... 0.0000 ... 100.0000 mas	-100.0000 ... 0.0000 ... 100.0000 mas	-100.0000 ... 0.0000 ... 100.0000 mas	-100.0000 ... 0.0000 ... 100.0000 ppb	
sudv gudv	setUserDatumVel getUserDatumVel	Datum Datum	TxVel	TyVel	TzVel	RxVel	RyVel	RzVel	DVel	RefYear
		+ User1 + User2 all	-2000.00 ... 0.00 ... 2000.00 mm/yr	-2000.00 ... 0.00 ... 2000.00 mm/yr	-2000.00 ... 0.00 ... 2000.00 mm/yr	-10.0000 ... 0.0000 ... 10.0000 mas/yr	-10.0000 ... 0.0000 ... 10.0000 mas/yr	-10.0000 ... 0.0000 ... 10.0000 mas/yr	-1.00000 ... 0.00000 ... 1.00000 ppb/yr	1900.00 ... 2000.00 ... 2100.00 yr
sue gue	setUserEllipsoid getUserEllipsoid	Datum Datum	A	Invf						
		+ User1 + User2 all	6300000.000 ... 6378137.000 ... 6400000.000 m	290.000000000 ... 298.25722356 ... 305.000000000						
swui gwui	setWakeUpInterval getWakeUpInterval	WakeUpTime (30)	AwakeDuration	RepetitionPeriod						

Mnm.	Name	Argument 1	Argument 2	Argument 3	Argument 4	Argument 5	Argument 6	Argument 7	Argument 8	Argument 9
		2000-01-01 00:00:00	0 ... 604800 s	0 ... 604800 s						
swbi gwbi	setWBIMitigation getWBIMitigation	Mode								
		off on								
ewcf gwcf	exeWriteCollectCsvFile getWriteCollectCsvFile	CollectDB	Disk	FileName (8)	Separator					
		CollectDB1 CollectDB2 CollectDB3	DSK1	collect	Comma Tab Colon SemiColon Space Vertical_Bar					

SBF List

ASCIIn	AttCovEuler	AttEuler
BBSamples	BDSAlm	BDSIon
BDSNav	BDSRaw	BDSRawB1C
BDSRawB2a	BDSUtc	BaseStation
BaseVectorCart	BaseVectorGeod	ChannelStatus
Commands	Comment	CosmosStatus
DOP	DiffCorrIn	DiskStatus
DynDNSStatus	EndOfAtt	EndOfMeas
EndOfPVT	ExtEvent	ExtEventAttEuler
ExtEventBaseVectGeod	ExtEventPVTCartesian	ExtEventPVTGeodetic
GALAlm	GALGstGps	GALLon
GALNav	GALRawFNAV	GALRawINAV
GALSARRLM	GALUtc	GEOAlm
GEOClockEphCovMatrix	GEODegrFactors	GEOFastCorr
GEOFastCorrDegr	GEOIGPMask	GEOIntegrity
GEOlonoDelay	GEOLongTermCorr	GEOMT00
GEONav	GEONetworkTime	GEOPRNMMask
GEORawL1	GEORawL5	GEOServiceLevel
GISAction	GISStatus	GLOAlm
GLONav	GLORawCA	GLOTime
GPSAlm	GPSIon	GPSNav
GPSRawCA	GPSRawL2C	GPSRawL5
GPSUtc	Group1	Group2
Group3	Group4	IPStatus
InputLink	LBandBeams	LBandTrackerStatus
Meas3CN0HiRes	Meas3Doppler	Meas3MP
Meas3PP	Meas3Ranges	MeasEpoch
MeasExtra	NAVICRaw	NTRIPClientStatus
NTRIPServerStatus	OutputLink	P2PPStatus
PVTCartesian	PVTGeodetic	PVTSupport
PVTSupportA	PosCart	PosCovCartesian
PosCovGeodetic	PosLocal	PosProjected
QZSAlm	QZSNav	QZSRawL1CA
QZSRawL2C	QZSRawL5	QualityInd
RFStatus	RTCMDatum	ReceiverSetup
ReceiverStatus	ReceiverTime	RxMessage
SatVisibility	VelCovCartesian	VelCovGeodetic
xPPSOffset		