

# GPSTk Classes by Category, Part 1 of 2

## *Earth Orientation Correction*

EarthOrientation  
EOPPrediction  
EOPStore  
PreciseRange

## *FIC Processing*

FICStream  
FICBase  
FICData  
FICData109  
FICData162  
FICData62  
FICData9  
FICDataFilterBlock  
FICDataFilterPRN  
FICDataFindBlock  
FICDataOperatorLessThanBlock109  
FICDataOperatorLessThanBlock9  
FICDataOperatorLessThanFull  
FICDataUniqueBlock109  
FICDataUniqueBlock9  
FICHeader  
FICStream  
FICStreamBase

## *Generalized Observation Playback/Record*

SVExclusion  
  
SVExclusionList  
SatID  
  
GSatID  
TimeNamedFileStream  
EndOfFile  
RTFileFrame  
RTFileFrameHelper  
RTFileFrameIterator  
FFBinaryStream  
FFData  
FFIdentifier  
FFStream  
FFStreamError  
FFTextStream  
FileFilter  
FileFilter::SortAdapter  
FileFilterFrame  
FileFilterFrameWithHeader  
FileHunter  
FileSpec  
FileSpec::FileSpecElement  
FileSpec::FileSpecSort  
FileStore  
TypeID  
TypeID::Initializer  
typeValueMap

## *Ionosphere Delay Modeling*

IonoModel  
IonoModelStore

## *Almanac*

AlmanacStore  
AlmOrbit  
SEMAlmanacStore  
SEMBase  
SEMData  
SEMHeader  
SEMStream  
YumaAlmanacStore  
YumaBase  
YumaData  
YumaHeader  
YumaStream

## *BINEX Manipulation*

BinexData  
BinexData::MGFZI  
BinexData::UBNXI  
BinexDataOperatorEquals  
BinexStream  
CRCDataStatus  
CRCParam

## *Broadcast Ephemeris*

BCEphemerisStore  
EphemerisStore

## *Clock Models*

ClockModel  
EpochClockModel  
LinearClockModel  
ObsClockModel

## *Code and Signal Generation*

CodeBuffer  
DecodeBits  
DecodeQuant  
GenXSequence  
X1Sequence  
X2Sequence  
SVPCodeGen  
SVDData

## *Cycle Slip/Discontinuity Correction*

GDCconfiguration  
GDCPass  
Slip  
OneFreqCSDetector  
LICSDetector  
MWCSDetector  
Segment

## *General Nav Message*

DecodeBits  
MinSfTest  
EphReader

## *Expression Evaluation, Numerical Integration*

Expression  
RungeKutta

## *Combinations and Differences*

Combinations  
ComputeCombination  
ComputeIURAWeights  
ComputeLC  
ComputeLdelta  
ComputeLI  
ComputeMelbourneWubben  
ComputeMOPSWeights  
ComputePC  
ComputePdelta  
ComputePI  
SDid  
DDid  
OWid  
DeltaOp  
NablaOp

## *Data Structures*

ExtractCombinationData  
ExtractC1 | ExtractD1  
ExtractD2 | ExtractData  
ExtractL1 | ExtractL2  
ExtractLC | ExtractP1  
ExtractP2 | ExtractPC  
gnssData  
gnssEquationDefinition  
gnssRinex  
gnssSatTypeValue  
gnssSatValue  
gnssTypeValue  
ObsID  
ObsID::Initializer  
ObsReader  
ObsEpoch  
SvObsEpoch  
SatPass  
SatPassData  
sourceEpochHeader  
sourceEpochRinexHeader  
sourceEpochSatHeader  
sourceEpochTypeHeader  
sourceHeader  
SourceID  
SourceID::Initializer  
sourceSatHeader  
sourceTypeHeader  
ValidType

## *Navigation Solution*

DOP  
Bancroft  
PRSolution  
SolverBase  
SolverLMS  
SolverWMS  
SimpleIURAWeight  
MOPSWeight  
WeightBase