IGS M-GEX

PURPOSE
Conduct a global multi-GNSS signals tracking experiment in parallel to the regular IGS operations, to focus on tracking the newly available GNSS signals: modernized satellites of the GPS and GLONASS systems, as well as for the first time in IGS operations, all available or applicable signals of the Compass/BeiDou, Galileo and QZSS systems and any space-based augmentation system (SBAS) of interest.

FOCUS
collecting and making publicly available observation data for post-processing and engineering analysis. However, Real-Time (RT) data flow from participating individual sites or organizations contributing via tracking data exchange with this experiment is also very welcome, and will be coordinated by the IGS Real-Time Working Group

FUTURE
This call will be followed by a more definitive plan focusing on the analysis of the unique set of observations collected in the course of this call.

IGS M-GEX

DEADLINES
- August 2011:   Distribution of Call for Participation
- October 30th: Proposals due (entities may propose and join at any time)
- December 15th   Evaluation of proposals by Organizing Committee
- February 1st 2012:   Experiment begins
- July 23th – 27th 2012   Evaluation of first results during IGS Workshop in Olsztyn, Poland
- August 31th 2012:   Experiment ends

CALL FOR PARTICIPATION
- Multi-GNSS Observing Sites
- Multi-GNSS Data Centers
- Multi-GNSS Experiment Analysis Centers and/or Engineering Analysis Centers
- Multi-GNSS Collaborating Organizations and Networks

FORMAT
RINEX V3.01 format (or upgraded RINEX version as available prior to experiment)

SEPTENTRIO POLARX4 RINEX 3.01

```
     3.01            Observation data    M              RINEX VERSION / TYPE
sbf2rin-7.1.0                         20111005 165048 LCL PGM / RUN BY / DATE
LLI: only bit 0 (loss of lock bit) supported           COMMENT
RTBT                                                   MARKER NAME
13101M099                                              MARKER NUMBER
ROB                     ROB                            OBSERVER / AGENCY
3001143                 SEPT POLARX4        2.3        REC # / TYPE / VERS
CR620002301             ASH701945C_M    NONE           ANT # / TYPE
   4027862.5256   307029.3058   4919509.1743           APPROX POSITION XYZ
         0.0000        0.0000        0.0000            ANTENNA: DELTA H/E/N
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R    4 C1C L1C C2C L2C                                 SYS / # / OBS TYPES
E    4 C1   L1   C7   L7                               SYS / # / OBS TYPES
G L2L -0.25000                                         SYS / PHASE SHIFTS
    10.000                                             INTERVAL
  2011     9    30     0     0   0.0000000   GPS       TIME OF FIRST OBS
  2011     9    30    23    59  50.0000000   GPS       TIME OF LAST OBS
    58                                                 # OF SATELLITES
                                                       END OF HEADER
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Missing mandatory 3.01 header records --- MARKER TYPE