OØ, 25.10.2017

GMSG200 Exercise_GNSS_3
Computation of azimuth and elevation angles to GPS-satellites.

Reference:
"GMSG200 Exercise_GNSS_2,
Computer program to compute ECEF coordinates in WGS84 from Broadcast
Ephemerides given in the RINEX format."

Exercise a)
Use the satellite-coordinates in "GMSG200 Exercise_GNSS_2" and receiver
coordinates from site T827 to compute azimuth and elevation angles to PRN10, PRN12,
PRN13 and PRN15.

Exercise b)
Visualize the satellite coverage with the help of a polar plot.

RINEX Navigation file: T827158A.17N
Satellitenr: PRN10, PRN12, PRN13, PRN15
Epoch: 2017 06 07 07 30 00.00

Coordinates of T837:
x = 3179085.143   y= 603490.567   z = 5478049.283

You submit you exercise digitally on Canvas. The different files shall be packed into one single zip-file.

- Description of the program
- Program listing (e.g. m-file)
- Output-file.
- README.TXT   (a text-file explaning the content of the zip-file)

Deadline: 08.11.2017