- GPS : 1980 January 6.$^{\mathrm{d}}$0,

- 2 444 244.5

- : 2000 January 1.$^{\mathrm{d}}$5

- 2 451 545.0

- : 4713 B.C., January 1.$^{\mathrm{d}}$5

-         , , ,   Y,M,D,UT,
- JD=INT[365.25y]+INT[30.6001(m+1)]+D +
-    UT/24+1720981.5
- If M 2, y=Y-1, m=M+12
- If M 2, y=Y, m=M

- The day of week:

  $N = \text{modulo}\{\text{INT}[JD+0.5], 7\}$

- GPS week:

- $\text{Week} = \text{INT}[(JD-2444244.5)/7]$

GPS second

- Tgps=(JD-2444244.5-week*7)*86400