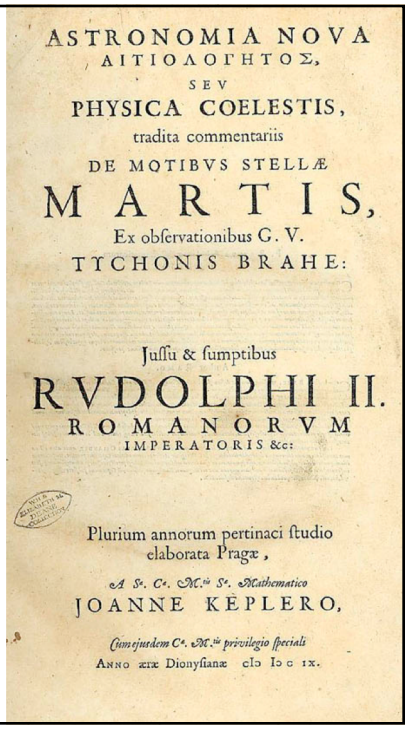
Johannes Kepler
1609
"Astronomia Nova"
(New Astronomy)

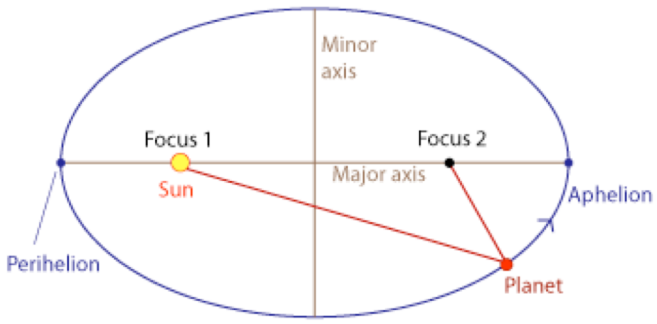


ASTRONOMIA NOVA
ΑΙΤΙΟΛΟΓΗΤΟΣ,
SEV
PHYSICA COELESTIS,
tradita commentariis
DE MOTIBVS STELLÆ
MARTIS,
Ex obſervationibus G. V.
TYCHONIS BRAHE:

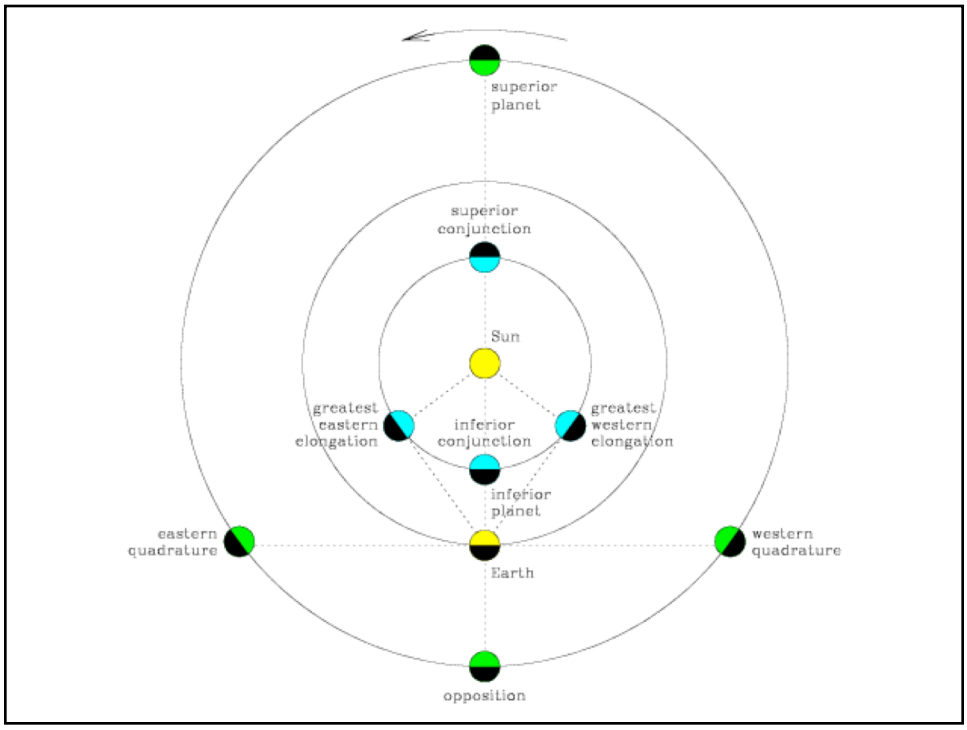
Juſſu & ſumptibus
RVDOLPHI II.
ROMANORVM
IMPERATORIS &c:

Plurium annorum pertinaci ſtudio
elaborata Pragæ,
A S. C. M.ti S. Mathematico
JOANNE KEPLERO,

Cum ejusdem C. M.ti privilegio ſpeciali
Anno æræ Dionyſianæ clɔ Iɔ c ix.



An elliptical orbit of a planet
(greatly exaggerated)



https://ssd.jpl.nasa.gov/horizons.cgi

Jet Propulsion Laboratory
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Solar System Dynamics

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HORIZONS Web-Interface

This tool provides a web-based *limited* interface to JPL's HORIZONS system which can be used to generate ephemerides for solar-system bodies. Full access to HORIZONS features is available via the primary telnet interface. HORIZONS system news shows recent changes and improvements. A web-interface tutorial is available to assist new users.

Current Settings

Ephemeris Type [change] : **OBSERVER**
Target Body [change] : **Mars** [499]
Observer Location [change] : **Geocentric** [500]
Time Span [change] : Start=**2017-10-16**, Stop=**2017-11-15**, Step=**1 d**
Table Settings [change] : *defaults*
Display/Output [change] : *default* (formatted HTML)

Generate Ephemeris

Special Options:

- set default ephemeris settings (preserves only the selected target body and ephemeris type)
- reset *all* settings to their defaults (caution: all previously stored/selected settings will be lost)
- show "batch-file" data (for use by the E-mail interface)

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FIRSTGOV Your First Click to the U.S. Government

2017-Oct-16 00:57 UT
(server date/time)

Site Manager: Ryan S. Park
Webmaster: Alan B. Chamberlin