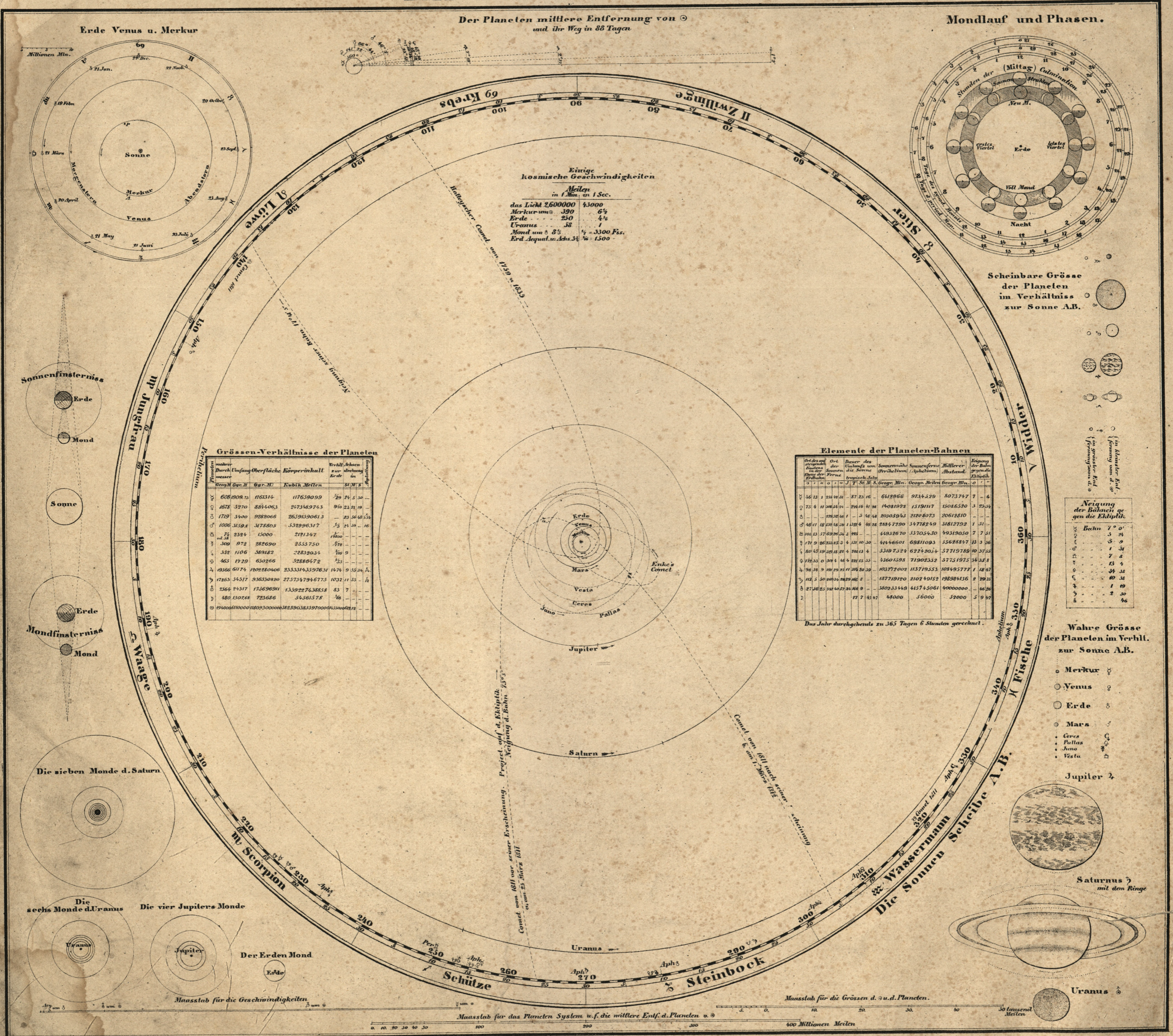


DAS PLANETEN-SYSTEM

Der Planeten mittlere Entfernung von ☉
und ihr Weg in 88 Tagen

Mondlauf und Phasen.



Größen-Verhältnisse der Planeten

Planet	Durchm.	Umfang	Oberfläche	Körperinhalt	Verh. d. Schwerkraft zur Erden	Verh. d. Drehung zur Erden
Sonne	864,000	2,812,320,000	686,708,480,000	1,471,000,000,000,000	254	25.4
Mercur	2,878	36,191,360	283,529,824	33,000,000,000	0.378	88
Venus	7,687	302,143,360	460,853,248,000	208,000,000,000,000	0.913	224.7
Erde	7,912	314,159,360	475,161,600,000	208,800,000,000,000	1.0	365.256
Mars	4,217	169,813,760	243,216,000,000	32,000,000,000,000	0.378	686.97
Jupiter	86,881	11,196,160,000	168,800,000,000,000	1,900,000,000,000,000,000	318	9.94
Saturn	82,321	10,600,000,000	157,000,000,000,000	1,800,000,000,000,000,000	95	9.94
Uranus	31,763	4,000,000,000	51,000,000,000,000	590,000,000,000,000,000	4.46	9.94
Neptun	35,400	4,500,000,000	57,000,000,000,000	670,000,000,000,000,000	5.15	9.94

Elemente der Planeten-Bahnen

Planet	Perihelion	Aphelion	Excentricität	Neigung	Perihelion	Aphelion	Excentricität	Neigung
Mercur	46,000,000	69,813,000	0.2056	7.0°	46,000,000	69,813,000	0.2056	7.0°
Venus	68,700,000	108,200,000	0.0074	3.4°	68,700,000	108,200,000	0.0074	3.4°
Erde	91,400,000	149,600,000	0.0167	0°	91,400,000	149,600,000	0.0167	0°
Mars	127,900,000	249,600,000	0.0934	1.9°	127,900,000	249,600,000	0.0934	1.9°
Jupiter	483,900,000	816,600,000	0.0483	1.3°	483,900,000	816,600,000	0.0483	1.3°
Saturn	107,500,000	195,800,000	0.0549	2.5°	107,500,000	195,800,000	0.0549	2.5°
Uranus	204,100,000	354,700,000	0.0472	0.4°	204,100,000	354,700,000	0.0472	0.4°
Neptun	443,300,000	450,300,000	0.0091	1.7°	443,300,000	450,300,000	0.0091	1.7°

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