

**Éléments orbitaux des planètes en 2024 - Pour l'équinoxe moyen de la date considérée
1er janvier 2024 à 0h TD et 1er juin 2024 à 0h TD**

L = longitude moyenne de la planète ; a = demi-axe majeur de l'orbite ;
e = excentricité de l'orbite ; i = inclinaison sur le plan de l'écliptique ;
 Ω = longitude du nœud ascendant ; π = longitude du périhélie

1er janvier 2024 à 0h TD [JJ 246 0310,5]	1er juin 2024 à 0h TD [JJ 246 0462,5]
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Mercure

L = 123, 982 074 730 8 °	L = 26, 023 389 015 6 °
a = 0,387 098 310 UA	a = 0,387 098 310 UA
e = 0,205 636 645 768 26	e = 0,205 636 730 635 52
i = 7,005 422 093 39 79 °	i = 7, 005 429 637 204 8 °
Ω = 48, 615 572 059 978 °	Ω = 48, 620 508 775 549 °
π = 77, 829 669 332 51 °	π = 77, 836 147 260 954 °

Vénus

L = 185, 789 861 741 88 °	L = 69, 319 510 022 88 °
a = 0, 723 329 820 UA	a = 0,723 329 820 UA
e = 0,006 760 462 710 140 6	e = 0,006 760 264 132 49
i = 3, 394 902 823 481 1 °	i = 3,394 906 998 633 9 °
Ω = 76, 896 200 000 345 °	Ω = 76, 899 950 861 915 °
π = 131, 900 156 657 15 °	π = 131, 905 989 906 48 °

Terre

L = 100,158 409 475 28 °	L = 249, 976 808 822 16 °
a = 1,000 001 018 UA	a = 1,000 001 018 UA
e = 0,016 698 534 400 303	e = 0,016 698 359 206 766
i = 0 °	i = 0 °
π = 103, 350 039 557 87 °	π = 103, 357 196 386 99 °

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Mars

$L = 269,178\,129\,644\,76^\circ$	$L = 348,836\,935\,471\,2^\circ$
$a = 1,523\,679\,342\text{ UA}$	$a = 1,523\,679\,342\text{ UA}$
$e = 0,093\,422\,360\,275\,857$	$e = 0,093\,422\,736\,665\,455$
$i = 1,849\,582\,479\,024^\circ$	$i = 1,849\,580\,003\,2293^\circ$
$\Omega = 49,743\,386\,374\,647^\circ$	$\Omega = 49,746\,599\,510\,393^\circ$
$\pi = 336,502\,067\,342\,75^\circ$	$\pi = 336,509\,729\,184\,13^\circ$

Jupiter

$L = 43,022\,633\,093\,388^\circ$	$L = 55,658\,308\,335\,12^\circ$
$a = 5,202\,603\,254\,909\,4\text{ UA}$	$a = 5,202\,603\,255\,705\,5\text{ UA}$
$e = 0,048\,537\,074\,588\,248$	$e = 0,048\,537\,752\,903\,285$
$i = 1,301\,948\,183\,6008^\circ$	$i = 1,301\,925\,319\,120\,8^\circ$
$\Omega = 100,709\,450\,823\,95^\circ$	$\Omega = 100,713\,700\,467\,83^\circ$
$\pi = 14,718\,276\,655\,948^\circ$	$\pi = 14,724\,989\,763\,63^\circ$

Saturne

$L = 343,703\,381\,405\,47^\circ$	$L = 348,795\,064\,379\,46^\circ$
$a = 9,554\,908\,678\,899\,7\text{ UA}$	$a = 9,554\,908\,670\,006\,2\text{ UA}$
$e = 0,055\,464\,913\,885\,12$	$e = 0,055\,463\,470\,032\,891$
$i = 2,487\,981\,489\,504\,1^\circ$	$i = 2,487\,965\,910\,643\,5^\circ$
$\Omega = 113,875\,985\,069\,66^\circ$	$\Omega = 113,879\,634\,853\,53^\circ$
$\pi = 93,528\,561\,133\,911^\circ$	$\pi = 93,536\,735\,082\,761^\circ$

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Uranus

$L = 57,216\,511\,448\,784^\circ$	$L = 59,005\,405\,600\,488^\circ$
$a = 19,218\,446\,053\,129\text{ UA}$	$a = 19,218\,446\,052\,976\text{ UA}$
$e = 0,046\,374\,674\,601\,06$	$e = 0,046\,374\,561\,179\,473$
$i = 0,773\,385\,003\,305\,12^\circ$	$i = 0,773\,388\,301\,461\,74^\circ$
$\Omega = 74,131\,097\,938\,299^\circ$	$\Omega = 74,133\,269\,341\,145^\circ$
$\pi = 173,362\,013\,947\,03^\circ$	$\pi = 173,368\,199\,994\,17^\circ$

Neptune

$L = 357,117\,666\,955\,79^\circ$	$L = 358,032\,719\,268\,57^\circ$
$a = 30,110\,386\,829\,13\text{ UA}$	$A = 30,110\,386\,828\,439\text{ UA}$
$e = 0,009\,457\,197\,836\,721\,6$	$e = 0,009\,457\,222\,943\,214\,8$
$i = 1,767\,718\,752\,034^\circ$	$i = 1,767\,680\,001\,406\,1^\circ$
$\Omega = 132,048\,585\,785\,5^\circ$	$\Omega = 132,053\,173\,166\,01^\circ$
$\pi = 48,462\,589\,578\,811^\circ$	$\pi = 48,468\,525\,930\,074^\circ$