

EARTH'S SEASONS (MÙA ĐỊA CẦU)

EQUINOXES, SOLSTICES, PERIHELION, AND APHELION, 2000-2020

NOTE: Trong bảng, **d, h, m** chỉ **day, hour, and minute** (ngày, giờ và phút), giờ quốc tế UT.

Perihelion: cận nhật vào tháng Giêng
Aphelion: viễn nhật vào tháng Bảy
Equinoxes: Xuân phân vào tháng Ba, Thu phân vào tháng Chín
Solstices: Hạ chí vào tháng Sáu, Đông chí vào tháng Mười Hai

Universal Time (U.T.)

		d	h				d	h	m				d	h	m
2000				2000											
Perihelion	Jan	3	05	Equinoxes	Mar	20	07	35	Sept	22	17	27			
Aphelion	July	4	00	Solstices	June	21	01	48	Dec	21	13	37			
2001				2001											
Perihelion	Jan	4	09	Equinoxes	Mar	20	13	31	Sept	22	23	04			
Aphelion	July	4	14	Solstices	June	21	07	38	Dec	21	19	21			
2002				2002											
Perihelion	Jan	2	14	Equinoxes	Mar	20	19	16	Sept	23	04	55			
Aphelion	July	6	04	Solstices	June	21	13	24	Dec	22	01	14			
2003				2003											
Perihelion	Jan	4	05	Equinoxes	Mar	21	01	00	Sept	23	10	47			
Aphelion	July	4	06	Solstices	June	21	19	10	Dec	22	07	04			
2004				2004											
Perihelion	Jan	4	18	Equinoxes	Mar	20	06	49	Sept	22	16	30			
Aphelion	July	5	11	Solstices	June	21	00	57	Dec	21	12	42			
2005				2005											
Perihelion	Jan	2	01	Equinoxes	Mar	20	12	33	Sept	22	22	23			
Aphelion	July	5	05	Solstices	June	21	06	46	Dec	21	18	35			
2006				2006											
Perihelion	Jan	4	15	Equinoxes	Mar	20	18	26	Sept	23	04	03			
Aphelion	July	3	23	Solstices	June	21	12	26	Dec	22	00	22			
2007				2007											
Perihelion	Jan	3	20	Equinoxes	Mar	21	00	07	Sept	23	09	51			
Aphelion	July	7	00	Solstices	June	21	18	06	Dec	22	06	08			
2008				2008											
Perihelion	Jan	3	00	Equinoxes	Mar	20	05	48	Sept	22	15	44			
Aphelion	July	4	08	Solstices	June	20	23	59	Dec	21	12	04			
2009				2009											
Perihelion	Jan	4	15	Equinoxes	Mar	20	11	44	Sept	22	21	18			
Aphelion	July	4	02	Solstices	June	21	05	45	Dec	21	17	47			
2010				2010											
Perihelion	Jan	3	00	Equinoxes	Mar	20	17	32	Sept	23	03	09			
Aphelion	July	6	11	Solstices	June	21	11	28	Dec	21	23	38			
2011				2011											
Perihelion	Jan	3	19	Equinoxes	Mar	20	23	21	Sept	23	09	04			

Aphelion	July	4 15	Solstices	June	21 17 16	Dec	22 05 30
2012		2012					
Perihelion	Jan	5 00	Equinoxes	Mar	20 05 14	Sept	22 14 49
Aphelion	July	5 03	Solstices	June	20 23 09	Dec	21 11 11
2013		2013					
Perihelion	Jan	2 05	Equinoxes	Mar	20 11 02	Sept	22 20 44
Aphelion	July	5 15	Solstices	June	21 05 04	Dec	21 17 11
2014		2014					
Perihelion	Jan	4 12	Equinoxes	Mar	20 16 57	Sept	23 02 29
Aphelion	July	4 00	Solstices	June	21 10 51	Dec	21 23 03
2015		2015					
Perihelion	Jan	4 07	Equinoxes	Mar	20 22 45	Sept	23 08 20
Aphelion	July	6 19	Solstices	June	21 16 38	Dec	22 04 48
2016		2016					
Perihelion	Jan	2 23	Equinoxes	Mar	20 04 30	Sept	22 14 21
Aphelion	July	4 16	Solstices	June	20 22 34	Dec	21 10 44
2017		2017					
Perihelion	Jan	4 14	Equinoxes	Mar	20 10 28	Sept	22 20 02
Aphelion	July	3 20	Solstices	June	21 04 24	Dec	21 16 28
2018		2018					
Perihelion	Jan	3 06	Equinoxes	Mar	20 16 15	Sept	23 01 54
Aphelion	July	6 17	Solstices	June	21 10 07	Dec	21 22 22
2019		2019					
Perihelion	Jan	3 05	Equinoxes	Mar	20 21 58	Sept	23 07 50
Aphelion	July	4 22	Solstices	June	21 15 54	Dec	22 04 19
2020		2020					
Perihelion	Jan	5 08	Equinoxes	Mar	20 03 49	Sept	22 13 30
Aphelion	July	4 12	Solstices	June	20 21 43	Dec	21 10 02

Một phần số liệu trong bảng này trích từ *Planetary and Lunar Coordinates 2001-2020*.