

**Earth's Seasons: Equinoxes, Solstices, Perihelion, and Aphelion, 2000-2020**

		<b>d h</b>			<b>d h m</b>			<b>d h m</b>
2000		2000						
Perihelion	Jan	3 05	Equinoxes	Mar	20 07 35	Sept	22 17 28	
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 16	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 19	
Aphelion	July	4 02	Solstices	June	21 05 46	Dec	21 17 47	
2010		2010						
Perihelion	Jan	3 00	Equinoxes	Mar	20 17 32	Sept	23 03 09	
Aphelion	July	6 12	Solstices	June	21 11 28	Dec	21 23 38	

		<b>d h</b>		<b>d h m</b>		<b>d h m</b>
2011			2011			
Perihelion	Jan	3 19	Equinoxes	20 23 21	Sept	23 09 05
Aphelion	July	4 15	Solstices	21 17 16	Dec	22 05 30
2012			2012			
Perihelion	Jan	5 01	Equinoxes	20 05 14	Sept	22 14 49
Aphelion	July	5 04	Solstices	20 23 09	Dec	21 11 12
2013			2013			
Perihelion	Jan	2 05	Equinoxes	20 11 02	Sept	22 20 44
Aphelion	July	5 15	Solstices	21 05 04	Dec	21 17 11
2014			2014			
Perihelion	Jan	4 12	Equinoxes	20 16 57	Sept	23 02 29
Aphelion	July	4 00	Solstices	21 10 51	Dec	21 23 03
		d h		d h m		d h m
2015			2015			
Perihelion	Jan	4 07	Equinoxes	20 22 45	Sept	23 08 21
Aphelion	July	6 20	Solstices	21 16 38	Dec	22 04 48
2016			2016			
Perihelion	Jan	2 23	Equinoxes	20 04 30	Sept	22 14 21
Aphelion	July	4 16	Solstices	20 22 34	Dec	21 10 44
2017			2017			
Perihelion	Jan	4 14	Equinoxes	20 10 29	Sept	22 20 02
Aphelion	July	3 20	Solstices	21 04 24	Dec	21 16 28
2018			2018			
Perihelion	Jan	3 06	Equinoxes	20 16 15	Sept	23 01 54
Aphelion	July	6 17	Solstices	21 10 07	Dec	21 22 23
2019			2019			
Perihelion	Jan	3 05	Equinoxes	20 21 58	Sept	23 07 50
Aphelion	July	4 22	Solstices	21 15 54	Dec	22 04 19
2020			2020			
Perihelion	Jan	5 08	Equinoxes	20 03 50	Sept	22 13 31
Aphelion	July	4 12	Solstices	20 21 44	Dec	21 10 02

A portion of the data in this table was taken from Planetary and Lunar Coordinates 2001-2020.  
<http://aa.usno.navy.mil/data/docs/EarthSeasons.php>