

Time (UT)		JULY EVENTS	Jupiter's Satellites	
d	h m		West	East
Wed.	1 16	Uranus stationary		
Thu.	2 7 12	Algol at minimum		
Fri.	3	Mercury at ascending node		
	23	Venus 7° S of Pleiades (M45)		
Sat.	4 2	Earth at aphelion (152091 221 km)		
	10	Antares 0.5° S of Moon, occultation†		
Sun.	5 4 00	Algol at minimum		
Mon.	6	Venus at greatest heliocentric lat. S		
Tue.	7 9 21	Full Moon (smallest in 2009)		
		Penumbral lunar eclipse (p.129)		
	22	Moon at apogee (406232 km)		
Wed.	8	Mercury at perihelion		
	0 49	Algol at minimum		
Thu.	9			
Fri.	10 16	Mars 5° S of Pleiades (M45)		
	21 38	Algol at minimum		
	22	Jupiter 4° S of Moon		
Sat.	11			
Sun.	12			
Mon.	13 19	Jupiter 0.6° S of Neptune		
	18 26	Algol at minimum		
Tue.	14 2	Mercury in superior conjunction		
	18	Venus 3° N of Aldebaran		
Wed.	15 9 53	Last Quarter		
Thu.	16 15 15	Algol at minimum		
Fri.	17			
Sat.	18	Mercury at greatest heliocentric lat. N		
	3	Moon 0.5° N of Pleiades (M45)		
	12	Mars 5° S of Moon		
Sun.	19 5	Venus 6° S of Moon		
	12 03	Algol at minimum		
Mon.	20 7	Moon 1.6° N of M35		
Tue.	21 20	Moon at perigee (357463 km) Large tides		
		Total Solar Eclipse (Jul. 21–22) (p.129)		
Wed.	22 2 35	New Moon (lunation 1071)		
	8 52	Algol at minimum		
Thu.	23			
Fri.	24			
Sat.	25 5 41	Algol at minimum		
	15	Saturn 7° N of Moon		
Sun.	26			
Mon.	27 11	Mars 5° N of Aldebaran		
Tue.	28 2 29	Algol at minimum		
	22 00	First Quarter		
Wed.	29 3	S. δ-Aquarid meteors peak		
Thu.	30 23 18	Algol at minimum		
Fri.	31 16	Antares 0.5° S of Moon, occultation‡		

† Japan, Guam, Marshall Islands, Kiribati, Hawaiian Islands

‡ NE Africa, SE Europe, Middle East, Arabia, India, S China, SE Asia, N Philippines