

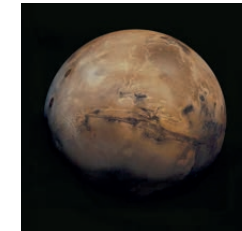
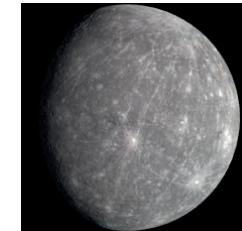
Positions of the Planets 2019

for use with the planisphere

information from the Sterrengids: www.sterrengids.nl/

empty fields next to a date: the planet is not visible

Mercury			Venus			Mars			Jupiter				
date	RA		decl	date	RA		decl	RA		decl			
	h	m			h	m		h	m		h	m	
10 feb	22	07	- 20 52	1 jan	15	27	- 15 15	23	59	- 0 24	16	40	- 21 32
15	22	40	- 21 59	11	16	08	- 17 31	0	24	+ 2 28	16	49	- 21 48
20	23	11	- 22 53	21	16	53	- 19 25	0	48	+ 5 18	16	57	- 22 02
25	23	35	- 23 24	31	17	40	- 20 43	1	13	+ 8 03	17	05	- 22 13
2 mrt	23	50	+ 1 21	10 feb	18	29	- 21 13	1	39	+ 10 42	17	12	- 22 22
7	23	52	+ 2 39	20	19	19	- 20 46	2	04	+ 13 12	17	19	- 22 28
12	23	42	+ 2 01	2 mrt	20	08	- 19 22	2	30	+ 15 31	17	24	- 22 33
				12	20	58	- 17 04	2	57	+ 17 37	17	29	- 22 37
31 mei	5	17	+ 24 46	22	21	46	- 13 56	3	24	+ 19 29	17	32	- 22 39
5 jun	6	00	+ 25 29	1 apr	22	32	- 10 10	3	51	+ 21 06	17	34	- 22 40
10	6	39	+ 25 13	11	23	18	- 5 54	4	19	+ 22 25	17	34	- 22 40
15	7	12	+ 24 13	21	0	03	- 1 21	4	47	+ 23 26	17	34	- 22 40
20	7	40	+ 22 42	1 mei	0	48	+ 3 19	5	16	+ 24 07	17	32	- 22 39
25	8	01	+ 20 56	11	1	33	+ 7 55	5	44	+ 24 30	17	28	- 22 37
30	8	16	+ 19 06	21	2	19	+ 12 15	6	13	+ 24 32	17	24	- 22 34
5 jul	8	23	+ 17 26	31	3	07	+ 16 08	6	41	+ 24 16	17	19	- 22 30
				10 jun	3	56	+ 19 21	7	09	+ 23 40	17	14	- 22 25
30 jul	7	40	+ 17 13	20	4	47	+ 21 45	7	36	+ 22 47	17	08	- 22 20
4 aug	7	42	+ 18 20	30				8	03	+ 21 37	17	03	- 22 15
9	7	55	+ 19 08	10 jul				8	30	+ 20 12	16	59	- 22 11
14	8	18	+ 19 15	20				8	56	+ 18 32	16	55	- 22 07
19	8	51	+ 18 23	30				9	21	+ 16 41	16	53	- 22 06
24	9	29	+ 16 23	9 aug				9	46	+ 14 38	16	52	- 22 06
29	10	07	+ 13 25	19				10	11	+ 12 26	16	52	- 22 08
				29				10	35	+ 10 07	16	54	- 22 13
17 nov	14	43	- 14 05	8 sep				10	59	+ 7 41	16	57	- 22 19
22	14	39	- 13 00	18				11	23	+ 5 10	17	01	- 22 26
27	14	51	- 13 48	28				11	46	+ 2 36	17	06	- 22 35
2 dec	15	11	- 15 38	8 okt				12	10	+ 0 00	17	12	- 22 44
7	15	38	- 17 48	18				12	33	- 2 36	17	19	- 22 53
12	16	07	- 19 54	28	15	25	- 18 49	12	57	- 5 11	17	27	- 22 01
17	16	38	- 21 45	7 nov	16	17	- 21 53	13	21	- 7 42	17	35	- 23 08
22	17	10	- 23 12	17	17	10	- 23 55	13	46	- 10 09	17	44	- 23 13
27	17	44	- 24 11	27	18	04	- 24 46	14	11	- 12 30	17	53	- 23 17
				7 dec	18	59	- 24 23	14	37	- 14 42	18	03	- 23 18
				17	19	52	- 22 47	15	03	- 16 44	18	13	- 23 17
				27	20	44	- 20 04	15	30	- 18 33	18	23	- 23 14



(comma's are decimal marks)

Visibility

	greatest elongations*	opposition*
Mercury	west: 11 Apr, 10 Aug east: 24 Jun, 20 Oct	-
Venus	west: 6 Jan	-
Mars	-	-
Jupiter	-	10 Jun

*) see for explanations: <http://walrecht.nl/en/planetary-positions>.

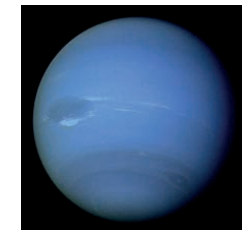
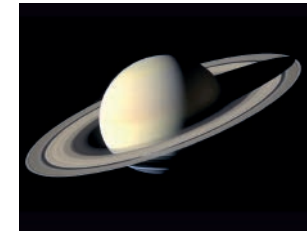
Positions of the Planets 2019

for use with the planisphere

information from the Sterrengids: www.sterrengids.nl/

empty fields next to a date: the planet is not visible

Saturn				Uranus				Neptune				Pluto (dwarf planet!)				
date	RA		decl		RA		decl		RA		decl		RA		decl	dist. to Earth (billion km)
	h	m	°	'	h	m	°	'	h	m	°	'	h	m		
1 jan	18	48	-	22	29	1	46	+	10	23	23	02	-	7	15	
11	18	53	-	22	24	1	46	+	10	23	23	03	-	7	10	
21	18	58	-	22	18	1	46	+	10	26	23	04	-	7	04	
31	19	03	-	22	11	1	47	+	10	29	23	05	-	6	56	
10 feb	19	08	-	22	05	1	48	+	10	35	23	06	-	6	48	
20	19	12	-	21	58	1	49	+	10	42	23	08	-	6	40	
2 mrt	19	16	-	21	51	1	51	+	10	51	23	09	-	6	31	
12	19	19	-	21	46	1	52	+	11	00	23	10	-	6	22	19 37 - 21 47 5,126
22	19	22	-	21	40	1	54	+	11	11	23	12	-	6	14	19 38 - 21 46 5,104
1 apr	19	25	-	21	36	1	56	+	11	22	23	13	-	6	05	19 38 - 21 46 5,081
11	19	26	-	21	33	1	58	+	11	34	23	14	-	6	58	19 39 - 21 46 5,057
21	19	27	-	21	32	2	01	+	11	46	23	16	-	5	51	19 39 - 21 46 5,032
1 mei	19	27	-	21	31	2	03	+	11	58	23	17	-	5	44	19 39 - 21 47 5,008
11	19	27	-	21	33	2	05	+	12	09	23	17	-	5	39	19 39 - 21 49 4,986
21	19	26	-	21	35	2	07	+	12	20	23	18	-	5	35	19 38 - 21 51 4,965
31	19	24	-	21	39	2	09	+	12	31	23	19	-	5	32	19 38 - 21 53 4,947
10 jun	19	22	-	21	44	2	11	+	12	40	23	19	-	5	30	19 37 - 21 56 4,932
20	19	19	-	21	50	2	13	+	12	48	23	19	-	5	30	19 36 - 21 59 4,921
30	19	16	-	21	57	2	14	+	12	55	23	19	-	5	31	19 35 - 22 02 4,913
10 jul	19	13	-	22	03	2	15	+	13	01	23	19	-	5	33	19 34 - 22 06 4,910
20	19	10	-	22	09	2	16	+	13	05	23	18	-	5	36	19 33 - 22 09 4,911
30	19	07	-	22	15	2	17	+	13	08	23	18	-	5	40	19 32 - 22 12 4,917
9 aug	19	05	-	22	20	2	17	+	13	09	23	17	-	5	46	19 31 - 22 15 4,927
19	19	02	-	22	25	2	17	+	13	09	23	16	-	5	51	19 30 - 22 18 4,940
29	19	01	-	22	28	2	16	+	13	07	23	15	-	5	58	19 30 - 22 20 4,958
8 sep	19	00	-	22	31	2	16	+	13	03	23	14	-	6	04	19 29 - 22 22 4,978
18	18	59	-	22	32	2	15	+	12	58	23	13	-	6	11	19 29 - 22 24 5,001
28	19	00	-	22	33	2	14	+	12	52	23	12	-	6	17	19 28 - 22 25 5,026
8 okt	19	01	-	22	32	2	12	+	12	45	23	11	-	6	23	19 28 - 22 26 5,052
18	19	02	-	22	31	2	11	+	12	37	23	10	-	6	28	19 29 - 22 26 5,079
28	19	05	-	22	28	2	09	+	12	29	23	10	-	6	32	19 29 - 22 26 5,105
7 nov	19	08	-	22	24	2	08	+	12	21	23	09	-	6	35	19 30 - 22 25 5,130
17	19	11	-	22	19	2	06	+	12	13	23	09	-	6	37	19 31 - 22 24 5,154
27	19	15	-	22	13	2	05	+	12	06	23	09	-	6	37	19 31 - 22 23 5,175
7 dec	19	19	-	22	06	2	03	+	12	00	23	09	-	6	36	19 33 - 22 21 5,193
17	19	24	-	21	58	2	03	+	11	55	23	09	-	6	34	19 34 - 22 19 5,208
27	19	29	-	21	49	2	02	+	11	52	23	10	-	6	30	19 35 - 22 17 5,219



(comma's are decimal marks)

Visibility

opposition*

Saturn 9 Jul
 Uranus 28 Oct
 Neptune 10 Sep
 Pluto 14 Jul

*) see for explanations: <http://walrecht.nl/en/planetary-positions>.