

































































































































































# December 2022

Ephemeris [00:00 UT]

Day	Sid.time	☉	☽	+12h☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	Day
1 Th	04:39:20	♈ 08°45'23	♈ 13°46'12	♈ 20°36'41	♈ 21°03	♈ 18°30	♈ 18°52	♈ 28°53	♈ 19°51	♈ 16°02	♈ 22°38	♈ 26°46	♈ 11°50	♈ 13°09	♈ 25°40	♈ 12°09	1 Th
2 Fr	04:43:17	♈ 09°46'12	♈ 27°22'49	♈ 04°04'27	♈ 22°34	♈ 19°45	♈ 18°29	♈ 28°54	♈ 19°54	♈ 16°00	♈ 22°38	♈ 26°48	♈ 11°47	♈ 13°10	♈ 25°47	♈ 12°08	2 Fr
3 Sa	04:47:13	♈ 10°47'00	♈ 10°42'03	♈ 17°15'33	♈ 24°05	♈ 21°00	♈ 18°06	♈ 28°56	♈ 19°58	♈ 15°58	♈ 22°38	♈ 26°49	♈ 11°44	♈ 13°11	♈ 25°54	♈ 12°07	3 Sa
4 Su	04:51:10	♈ 11°47'51	♈ 23°45'30	♈ 00°11'48	♈ 25°36	♈ 22°16	♈ 17°43	♈ 28°58	♈ 20°02	♈ 15°56	♈ 22°38	♈ 26°51	♈ 11°41	♈ 13°13	♈ 26°00	♈ 12°06	4 Su
5 Mo	04:55:06	♈ 12°48'41	♈ 06°34'59	♈ 12°54'57	♈ 27°06	♈ 23°31	♈ 17°20	♈ 29°00	♈ 20°06	♈ 15°53	♈ 22°38	♈ 26°52	♈ 11°37	♈ 13°14	♈ 26°07	♈ 12°05	5 Mo
6 Tu	04:59:03	♈ 13°49'33	♈ 19°12'13	♈ 25°26'39	♈ 28°37	♈ 24°46	♈ 16°57	♈ 29°02	♈ 20°11	♈ 15°51	♈ 22°38	♈ 26°54	♈ 11°34	♈ 13°14	♈ 26°14	♈ 12°04	6 Tu
7 We	05:02:59	♈ 14°50'26	♈ 01°38'43	♈ 07°48'16	♈ 00°06	♈ 26°01	♈ 16°34	♈ 29°05	♈ 20°15	♈ 15°49	♈ 22°38	♈ 26°55	♈ 11°31	♈ 13°13	♈ 26°21	♈ 12°03	7 We
8 Th	05:06:56	♈ 15°51'20	♈ 13°55'45	♈ 20°00'59	♈ 01°36	♈ 27°17	♈ 16°11	♈ 29°08	♈ 20°19	♈ 15°47	♈ 22°38	♈ 26°57	♈ 11°28	♈ 13°09	♈ 26°27	♈ 12°02	8 Th
9 Fr	05:10:52	♈ 16°52'14	♈ 26°04'27	♈ 02°05'58	♈ 03°05	♈ 28°32	♈ 15°48	♈ 29°11	♈ 20°24	♈ 15°45	♈ 22°39	♈ 26°59	♈ 11°25	♈ 13°05	♈ 26°34	♈ 12°01	9 Fr
10 Sa	05:14:49	♈ 17°53'10	♈ 08°06'02	♈ 14°04'33	♈ 04°33	♈ 29°47	♈ 15°25	♈ 29°14	♈ 20°28	♈ 15°43	♈ 22°39	♈ 27°00	♈ 11°22	♈ 12°58	♈ 26°41	♈ 12°01	10 Sa
11 Su	05:18:46	♈ 18°54'07	♈ 20°02'02	♈ 25°58'25	♈ 06°00	♈ 01°03	♈ 15°02	♈ 29°17	♈ 20°33	♈ 15°41	♈ 22°39	♈ 27°02	♈ 11°18	♈ 12°51	♈ 26°47	♈ 12°00	11 Su
12 Mo	05:22:42	♈ 19°55'05	♈ 01°54'20	♈ 07°49'47	♈ 07°27	♈ 02°18	♈ 14°40	♈ 29°21	♈ 20°37	♈ 15°39	♈ 22°39	♈ 27°03	♈ 11°15	♈ 12°44	♈ 26°54	♈ 11°59	12 Mo
13 Tu	05:26:39	♈ 20°56'03	♈ 13°45'29	♈ 19°41'31	♈ 08°52	♈ 03°33	♈ 14°18	♈ 29°25	♈ 20°42	♈ 15°37	♈ 22°40	♈ 27°05	♈ 11°12	♈ 12°38	♈ 27°01	♈ 11°59	13 Tu
14 We	05:30:35	♈ 21°57'03	♈ 25°38'39	♈ 01°37'05	♈ 10°16	♈ 04°48	♈ 13°56	♈ 29°29	♈ 20°47	♈ 15°35	♈ 22°40	♈ 27°07	♈ 11°09	♈ 12°33	♈ 27°08	♈ 11°58	14 We
15 Th	05:34:32	♈ 22°58'04	♈ 07°37'39	♈ 13°40'37	♈ 11°39	♈ 06°04	♈ 13°35	♈ 29°33	♈ 20°52	♈ 15°34	♈ 22°40	♈ 27°08	♈ 11°06	♈ 12°30	♈ 27°14	♈ 11°58	15 Th
16 Fr	05:38:28	♈ 23°59'06	♈ 19°46'51	♈ 25°56'41	♈ 13°00	♈ 07°19	♈ 13°14	♈ 29°37	♈ 20°57	♈ 15°32	♈ 22°41	♈ 27°10	♈ 11°03	♈ 12°28	♈ 27°21	♈ 11°57	16 Fr
17 Sa	05:42:25	♈ 25°00'08	♈ 02°10'59	♈ 08°30'05	♈ 14°19	♈ 08°34	♈ 12°53	♈ 29°42	♈ 21°02	♈ 15°30	♈ 22°41	♈ 27°12	♈ 10°59	♈ 12°28	♈ 27°28	♈ 11°57	17 Sa
18 Su	05:46:21	♈ 26°01'12	♈ 14°54'48	♈ 21°25'24	♈ 15°36	♈ 09°49	♈ 12°33	♈ 29°46	♈ 21°07	♈ 15°28	♈ 22°42	♈ 27°13	♈ 10°56	♈ 12°30	♈ 27°34	♈ 11°56	18 Su
19 Mo	05:50:18	♈ 27°02'17	♈ 28°02'37	♈ 04°46'31	♈ 16°50	♈ 11°05	♈ 12°14	♈ 29°51	♈ 21°12	♈ 15°27	♈ 22°42	♈ 27°15	♈ 10°53	♈ 12°31	♈ 27°41	♈ 11°56	19 Mo
20 Tu	05:54:15	♈ 28°03'22	♈ 11°37'39	♈ 18°35'48	♈ 18°00	♈ 12°20	♈ 11°55	♈ 29°56	♈ 21°17	♈ 15°25	♈ 22°43	♈ 27°17	♈ 10°50	♈ 12°32	♈ 27°48	♈ 11°56	20 Tu

<b>21</b>	We	05:58:11	 29°04'28	 25°41'13	 02°53'19	 19°07	 13°35	 11°37	 00°02	 21°22	 15°23	 22°43	 27°19	 10°47	 12°31	 27°55	 11°56	<b>21</b>	We
<b>22</b>	Th	06:02:08	 00°05'35	 10°11'58	 17°36'08	 20°10	 14°50	 11°19	 00°07	 21°28	 15°22	 22°44	 27°21	 10°43	 12°28	 28°01	 11°56	<b>22</b>	Th
<b>23</b>	Fr	06:06:04	 01°06'43	 25°05'16	 02°37'56	 21°07	 16°06	 11°02	 00°13	 21°33	 15°20	 22°44	 27°22	 10°40	 12°23	 28°08	 11°56	<b>23</b>	Fr
<b>24</b>	Sa	06:10:01	 02°07'51	 10°13'17	 17°49'37	 21°59	 17°21	 10°46	 00°18	 21°39	 15°19	 22°45	 27°24	 10°37	 12°16	 28°15	 11°56	<b>24</b>	Sa
<b>25</b>	Su	06:13:57	 03°09'00	 25°25'57	 03°00'33	 22°44	 18°36	 10°30	 00°24	 21°44	 15°17	 22°46	 27°26	 10°34	 12°08	 28°22	 11°56	<b>25</b>	Su
<b>26</b>	Mo	06:17:54	 04°10'09	 10°32'32	 18°00'25	 23°21	 19°51	 10°16	 00°31	 21°50	 15°16	 22°47	 27°28	 10°31	 12°00	 28°28	 11°56	<b>26</b>	Mo
<b>27</b>	Tu	06:21:51	 05°11'18	 25°23'38	 02°41'04	 23°50	 21°07	 10°02	 00°37	 21°55	 15°14	 22°47	 27°30	 10°28	 11°52	 28°35	 11°56	<b>27</b>	Tu
<b>28</b>	We	06:25:47	 06°12'27	 09°52'33	 16°57'25	 24°10	 22°22	 09°48	 00°43	 22°01	 15°13	 22°48	 27°31	 10°24	 11°47	 28°42	 11°56	<b>28</b>	We
<b>29</b>	Th	06:29:44	 07°13'36	 23°55'54	 00°47'40	 24°20	 23°37	 09°36	 00°50	 22°07	 15°12	 22°49	 27°33	 10°21	 11°44	 28°48	 11°56	<b>29</b>	Th
<b>30</b>	Fr	06:33:40	 08°14'45	 07°33'16	 14°12'39	 24°19	 24°52	 09°24	 00°57	 22°13	 15°11	 22°50	 27°35	 10°18	 11°43	 28°55	 11°57	<b>30</b>	Fr
<b>31</b>	Sa	06:37:37	 09°15'53	 20°46'32	 27°15'03	 24°06	 26°07	 09°13	 01°04	 22°19	 15°09	 22°51	 27°37	 10°15	 11°44	 29°02	 11°57	<b>31</b>	Sa
<b>Δ Delta</b>		01:58:16	30°30'29"	-397°00'20"	-396°38'21"	33°03'	37°37'	-9°38'	-2°11'	2°28'	-0°52'	0°12'	0°50'	-1°35'	-1°25'	3°21'	-0°12'	<b>Delta</b>	