

## *Longitudes écliptiques et distances du Soleil au cours de l'année*

	Janvier		Février		Mars		Avril		Mai		Juin		
	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	
1	280 41 18	0.983277725	312 14 40	0.985316086	340 31 22	0.990786839	11 23 14	0.999194752	40 44 58	1.007499605	70 38 14	1.013981941	1
2	281 42 26	0.983265872	313 15 32	0.985457859	341 31 34	0.991027780	12 22 25	0.999481064	41 43 11	1.007752554	71 35 43	1.014135790	2
3	282 43 34	0.983260519	314 16 23	0.985605335	342 31 44	0.991272581	13 21 34	0.999768669	42 41 22	1.008004422	72 33 11	1.014286816	3
4	283 44 42	0.983261677	315 17 14	0.985758404	343 31 52	0.991521196	14 20 41	1.000057468	43 39 31	1.008255123	73 30 38	1.014434900	4
5	284 45 50	0.983269287	316 18 3	0.985916916	344 31 58	0.991773531	15 19 46	1.000347324	44 37 39	1.008504528	74 28 4	1.014579867	5
6	285 46 58	0.983283233	317 18 51	0.986080680	345 32 3	0.992029449	16 18 49	1.000638061	45 35 46	1.008752469	75 25 29	1.014721490	6
7	286 48 6	0.983303354	318 19 38	0.986249482	346 32 6	0.992288780	17 17 51	1.000929467	46 33 50	1.008998729	76 22 54	1.014859489	7
8	287 49 14	0.983329462	319 20 24	0.986423081	347 32 7	0.992551317	18 16 50	1.001221294	47 31 54	1.009243051	77 20 18	1.014993540	8
9	288 50 23	0.983361344	320 21 9	0.986601219	348 32 6	0.992816824	19 15 48	1.001513261	48 29 56	1.009485133	78 17 42	1.015123283	9
10	289 51 31	0.983398776	321 21 53	0.986783620	349 32 4	0.993085038	20 14 44	1.001805050	49 27 56	1.009724633	79 15 5	1.015248338	10
11	290 52 39	0.983441524	322 22 36	0.986969989	350 32 0	0.993355668	21 13 38	1.002096311	50 25 56	1.009961176	80 12 27	1.015368328	11
12	291 53 47	0.983489348	323 23 18	0.987160018	351 31 55	0.993628397	22 12 31	1.002386663	51 23 54	1.010194362	81 9 49	1.015482903	12
13	292 54 56	0.983542000	324 23 59	0.987353383	352 31 47	0.993902882	23 11 21	1.002675703	52 21 51	1.010423788	82 7 11	1.015591771	13
14	293 56 4	0.983599228	325 24 39	0.987549756	353 31 39	0.994178758	24 10 10	1.002963025	53 19 46	1.010649073	83 4 32	1.015694723	14
15	294 57 12	0.983660780	326 25 17	0.987748817	354 31 28	0.994455643	25 8 58	1.003248241	54 17 41	1.010869890	84 1 52	1.015791646	15
16	295 58 19	0.983726407	327 25 55	0.987950274	355 31 16	0.994733158	26 7 43	1.003531018	55 15 34	1.011086001	84 59 12	1.015882532	16
17	296 59 27	0.983795879	328 26 30	0.988153886	356 31 2	0.995010943	27 6 27	1.003811109	56 13 25	1.011297275	85 56 31	1.015967463	17
18	298 0 34	0.983868999	329 27 5	0.988359495	357 30 46	0.995288693	28 5 8	1.004088382	57 11 15	1.011503695	86 53 49	1.016046591	18
19	299 1 40	0.983945622	330 27 37	0.988567040	358 30 28	0.995566187	29 3 48	1.004362825	58 9 3	1.011705349	87 51 7	1.016120117	19
20	300 2 46	0.984025673	331 28 8	0.988776570	359 30 8	0.995843316	30 2 26	1.004634534	59 6 50	1.011902398	88 48 24	1.016188265	20
21	301 3 51	0.984109164	332 28 38	0.988988228	0 29 46	0.996120088	31 1 1	1.004903687	60 4 35	1.012095055	89 45 40	1.016251274	21
22	302 4 56	0.984196196	333 29 5	0.989202231	1 29 22	0.996396619	31 59 34	1.005170505	61 2 19	1.012283548	90 42 55	1.016309377	22
23	303 5 59	0.984286953	334 29 30	0.989418838	2 28 56	0.996673101	32 58 5	1.005435224	62 0 1	1.012468110	91 40 10	1.016362804	23
24	304 7 1	0.984381684	335 29 54	0.989638322	3 28 27	0.996949772	33 56 34	1.005698075	62 57 41	1.012648960	92 37 24	1.016411776	24
25	305 8 3	0.984480679	336 30 15	0.989860944	4 27 56	0.997226880	34 55 1	1.005959265	63 55 20	1.012826300	93 34 37	1.016456502	25
26	306 9 3	0.984584248	337 30 35	0.990086936	5 27 22	0.997504663	35 53 25	1.006218977	64 52 58	1.013000313	94 31 50	1.016497181	26
27	307 10 2	0.984692691	338 30 53	0.990316491	6 26 47	0.997783331	36 51 48	1.006477362	65 50 34	1.013171162	95 29 2	1.016533994	27
28	308 11 0	0.984806285	339 31 8	0.990549759	7 26 9	0.998063061	37 50 8	1.006734542	66 48 8	1.013338985	96 26 14	1.016567107	28
29	309 11 57	0.984925268			8 25 28	0.998343989	38 48 27	1.006990608	67 45 42	1.013503900	97 23 26	1.016596655	29
30	310 12 52	0.985049822			9 24 46	0.998626214	39 46 43	1.007245620	68 43 14	1.013665998	98 20 37	1.016622741	30
31	311 13 47	0.985180074			10 24 1	0.998909796			69 40 44	1.013825337			31

## *Longitudes écliptiques et distances du Soleil au cours de l'année*

	Juillet		Août		Septembre		Octobre		Novembre		Décembre		
	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	longitude ° ' "	distance u.a.	
1	99 17 48	1.016645420	128 52 48	1.014982952	158 41 5	1.009251204	187 56 7	1.001216080	218 40 55	0.992539217	248 54 20	0.986061472	1
2	100 14 59	1.016664690	129 50 11	1.014860422	159 39 8	1.009018496	188 55 6	1.000935347	219 40 57	0.992286967	249 55 10	0.985908117	2
3	101 12 11	1.016680487	130 47 35	1.014734673	160 37 13	1.008783646	189 54 8	1.000654540	220 41 2	0.992036785	250 56 1	0.985758780	3
4	102 9 22	1.016692680	131 45 0	1.014605464	161 35 20	1.008546373	190 53 12	1.000373416	221 41 8	0.991788495	251 56 53	0.985613283	4
5	103 6 33	1.016701070	132 42 27	1.014472511	162 33 29	1.008306402	191 52 19	1.000091759	222 41 17	0.991541956	252 57 46	0.985471478	5
6	104 3 45	1.016705399	133 39 55	1.014335501	163 31 40	1.008063489	192 51 28	0.999809393	223 41 27	0.991297065	253 58 41	0.985333239	6
7	105 0 57	1.016705361	134 37 24	1.014194125	164 29 54	1.007817429	193 50 39	0.999526185	224 41 40	0.991053750	254 59 38	0.985198467	7
8	105 58 9	1.016700620	135 34 54	1.014048090	165 28 9	1.007568070	194 49 53	0.999242047	225 41 54	0.990811977	255 0 35	0.985067092	8
9	106 55 22	1.016690826	136 32 26	1.013897147	166 26 25	1.007315314	195 49 8	0.998956937	226 42 11	0.990571747	257 1 33	0.984939075	9
10	107 52 35	1.016675642	137 29 59	1.013741102	167 24 44	1.007059121	196 48 26	0.998670859	227 42 29	0.990333097	258 2 32	0.984814413	10
11	108 49 49	1.016654765	138 27 33	1.013579826	168 23 5	1.006799509	197 47 46	0.998383859	228 42 49	0.990096104	259 3 32	0.984693143	11
12	109 47 3	1.016627952	139 25 9	1.013413263	169 21 27	1.006536549	198 47 8	0.998096027	229 43 10	0.989860879	260 4 33	0.984575344	12
13	110 44 17	1.016595032	140 22 45	1.013241426	170 19 52	1.006270359	199 46 32	0.997807493	230 43 33	0.989627574	261 5 35	0.984461139	13
14	111 41 32	1.016555923	141 20 23	1.013064394	171 18 18	1.006001101	200 45 57	0.997518422	231 43 58	0.989396377	262 6 37	0.984350700	14
15	112 38 47	1.016510627	142 18 2	1.012882301	172 16 46	1.005728972	201 45 25	0.997229014	232 44 24	0.989167514	263 7 40	0.984244243	15
16	113 36 2	1.016459224	143 15 42	1.012695327	173 15 15	1.005454200	202 44 55	0.996939500	233 44 51	0.988941247	264 8 43	0.984142029	16
17	114 33 18	1.016401858	144 13 23	1.012503683	174 13 46	1.005177037	203 44 26	0.996650142	234 45 20	0.988717877	265 9 46	0.984044364	17
18	115 30 33	1.016338720	145 11 5	1.012307610	175 12 19	1.004897762	204 43 59	0.996361233	235 45 50	0.988497740	266 10 50	0.983951584	18
19	116 27 49	1.016270030	146 8 49	1.012107363	176 10 53	1.004616671	205 43 34	0.996073092	236 46 21	0.988281203	267 11 54	0.983864053	19
20	117 25 5	1.016196028	147 6 33	1.011903215	177 9 29	1.004334083	206 43 11	0.995786069	237 46 53	0.988068656	268 12 59	0.983782136	20
21	118 22 21	1.016116963	148 4 19	1.011695452	178 8 7	1.004050339	207 42 49	0.995500539	238 47 27	0.987860496	269 14 4	0.983706182	21
22	119 19 38	1.016033091	149 2 5	1.011484368	179 6 47	1.003765793	208 42 29	0.995216895	239 48 2	0.987657098	270 15 9	0.983636483	22
23	120 16 55	1.015944666	149 59 53	1.011270269	180 5 28	1.003480810	209 42 11	0.994935531	240 48 38	0.987458785	271 16 14	0.983573254	23
24	121 14 12	1.015851947	150 57 42	1.011053467	181 4 11	1.003195749	210 41 54	0.994656818	241 49 16	0.987265791	272 17 20	0.983516604	24
25	122 11 30	1.015755189	151 55 32	1.010834273	182 2 56	1.002910940	211 41 40	0.994381073	242 49 55	0.987078240	273 18 26	0.983466533	25
26	123 8 47	1.015654642	152 53 24	1.010612982	183 1 42	1.002626660	212 41 27	0.994108521	243 50 35	0.986896131	274 19 33	0.983422941	26
27	124 6 6	1.015550546	153 51 17	1.010389860	184 0 31	1.002343099	213 41 16	0.993839274	244 51 17	0.986719361	275 20 40	0.983385649	27
28	125 3 25	1.015443120	154 49 11	1.010165118	184 59 21	1.002060338	214 41 8	0.993573324	245 52 1	0.986547745	276 21 48	0.983354431	28
29	126 0 44	1.015332548	155 47 7	1.009938889	185 58 14	1.001778348	215 41 1	0.993310554	246 52 46	0.986381054	277 22 57	0.983329034	29
30	126 58 5	1.015218963	156 45 5	1.009711215	186 57 9	1.001496997	216 40 57	0.993050771	247 53 32	0.986219043	278 24 5	0.983309199	30
31	127 55 26	1.015102435	157 43 4	1.009482037			217 40 55	0.992793740			279 25 15	0.983294676	31