

Răsăritul și Apusul Soarelui în anul 2020

pentru orașul Cluj

Longitudine 23°35'47" Est

Latitudine 46°46'10" Nord

Zi	IANUARIE	FEBRUARIE	MARTIE	APRILIE	MAI	IUNIE	IULIE	AUGUST	SEPTEMBRIE	OCTOMBRIE	NOIEMBRIE	DECEMBRIE	Zi
	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	Răsare Apune	
01	M 08:10 16:47	S 07:51 17:28	D 07:05 18:12	M 06:04 18:55	V 05:10 19:36	L 04:35 20:12	M 04:36 20:23	S 05:06 19:57	M 05:46 19:04	J 06:25 18:05	D 07:08 17:10	M 07:50 16:39	01
02	J 08:11 16:48	D 07:50 17:30	L 07:03 18:13	J 06:03 18:57	S 05:09 19:37	M 04:35 20:13	J 04:36 20:23	D 05:07 19:56	M 05:47 19:02	V 06:26 18:03	L 07:10 17:08	M 07:51 16:39	02
03	V 08:10 16:49	L 07:48 17:31	M 07:01 18:15	V 06:01 18:58	D 05:07 19:39	M 04:34 20:14	V 04:37 20:23	L 05:09 19:54	J 05:48 19:01	S 06:27 18:01	M 07:11 17:07	J 07:52 16:38	03
04	S 08:10 16:50	M 07:47 17:33	M 06:59 18:16	S 05:59 18:59	L 05:06 19:40	J 04:34 20:15	S 04:38 20:22	M 05:10 19:53	V 05:50 18:59	D 06:29 17:59	M 07:13 17:05	V 07:54 16:38	04
05	D 08:10 16:51	M 07:46 17:34	J 06:57 18:18	D 05:57 19:01	M 05:04 19:41	V 04:33 20:16	D 04:38 20:22	M 05:11 19:51	S 05:51 18:57	L 06:30 17:57	J 07:14 17:04	S 07:55 16:38	05
06	L 08:10 16:53	J 07:44 17:36	V 06:55 18:19	L 05:55 19:02	M 05:03 19:43	S 04:33 20:16	L 04:39 20:21	J 05:12 19:50	D 05:52 18:55	M 06:31 17:55	V 07:16 17:02	D 07:56 16:38	06
07	M 08:10 16:54	V 07:43 17:37	S 06:53 18:20	M 05:53 19:03	J 05:01 19:44	D 04:32 20:17	M 04:40 20:21	V 05:14 19:48	L 05:53 18:53	M 06:33 17:53	S 07:17 17:01	L 07:57 16:38	07
08	M 08:10 16:55	S 07:41 17:39	D 06:52 18:22	M 05:51 19:05	V 05:00 19:45	L 04:32 20:18	M 04:41 20:20	S 05:15 19:47	M 05:55 18:51	J 06:34 17:51	D 07:18 17:00	M 07:58 16:37	08
09	J 08:09 16:56	D 07:40 17:40	L 06:50 18:23	J 05:49 19:06	S 04:58 19:46	M 04:32 20:18	J 04:42 20:20	D 05:16 19:45	M 05:56 18:49	V 06:35 17:49	L 07:20 16:58	M 07:59 16:37	09
10	V 08:09 16:57	L 07:39 17:42	M 06:48 18:25	V 05:47 19:07	D 04:57 19:48	M 04:32 20:19	V 04:42 20:19	L 05:17 19:44	J 05:57 18:47	S 06:37 17:47	M 07:21 16:57	J 08:00 16:37	10
11	S 08:09 16:58	M 07:37 17:43	M 06:46 18:26	S 05:45 19:09	L 04:56 19:49	J 04:31 20:20	S 04:43 20:19	M 05:19 19:42	V 05:59 18:45	D 06:38 17:46	M 07:23 16:56	V 08:01 16:37	11
12	D 08:08 17:00	M 07:36 17:45	J 06:44 18:27	D 05:43 19:10	M 04:54 19:50	V 04:31 20:20	D 04:44 20:18	M 05:20 19:40	S 06:00 18:43	L 06:40 17:44	J 07:24 16:55	S 08:01 16:37	12
13	L 08:08 17:01	J 07:34 17:46	V 06:42 18:29	L 05:41 19:12	M 04:53 19:52	S 04:31 20:21	L 04:45 20:17	J 05:21 19:39	D 06:01 18:41	M 06:41 17:42	V 07:26 16:54	D 08:02 16:38	13
14	M 08:07 17:02	V 07:32 17:48	S 06:40 18:30	M 05:40 19:13	J 04:52 19:53	D 04:31 20:21	M 04:46 20:17	V 05:22 19:37	L 06:02 18:39	M 06:42 17:40	S 07:27 16:52	L 08:03 16:38	14
15	M 08:07 17:03	S 07:31 17:49	D 06:38 18:32	M 05:38 19:14	V 04:51 19:54	L 04:31 20:22	M 04:47 20:16	S 05:24 19:35	M 06:04 18:37	J 06:44 17:38	D 07:29 16:51	M 08:04 16:38	15
16	J 08:06 17:05	D 07:29 17:51	L 06:36 18:33	J 05:36 19:16	S 04:50 19:55	M 04:31 20:22	J 04:48 20:15	D 05:25 19:34	M 06:05 18:35	V 06:45 17:36	L 07:30 16:50	M 08:05 16:38	16
17	V 08:05 17:06	L 07:28 17:52	M 06:34 18:34	V 05:34 19:17	D 04:48 19:56	M 04:31 20:22	V 04:49 20:14	L 05:26 19:32	J 06:06 18:33	S 06:47 17:34	M 07:31 16:49	J 08:05 16:38	17
18	S 08:05 17:07	M 07:26 17:54	M 06:32 18:36	S 05:32 19:18	L 04:47 19:58	J 04:31 20:23	S 04:50 20:13	M 05:28 19:30	V 06:08 18:31	D 06:48 17:33	M 07:33 16:48	V 08:06 16:39	18
19	D 08:04 17:09	M 07:24 17:55	J 06:30 18:37	D 05:30 19:20	M 04:46 19:59	V 04:31 20:23	D 04:51 20:12	M 05:29 19:29	S 06:09 18:29	L 06:49 17:31	J 07:34 16:47	S 08:07 16:39	19
20	L 08:03 17:10	J 07:23 17:57	V 06:28 18:39	L 05:29 19:21	M 04:45 20:00	S 04:31 20:23	L 04:52 20:11	J 05:30 19:27	D 06:10 18:27	M 06:51 17:29	V 07:36 16:46	D 08:07 16:40	20
21	M 08:02 17:12	V 07:21 17:58	S 06:26 18:40	M 05:27 19:22	J 04:44 20:01	D 04:32 20:23	M 04:53 20:10	V 05:31 19:25	L 06:11 18:25	M 06:52 17:27	S 07:37 16:46	L 08:08 16:40	21
22	M 08:01 17:13	S 07:19 18:00	D 06:24 18:41	M 05:25 19:24	V 04:43 20:02	L 04:32 20:24	M 04:54 20:09	S 05:33 19:23	M 06:13 18:23	J 06:54 17:26	D 07:38 16:45	M 08:08 16:41	22
23	J 08:00 17:15	D 07:17 18:01	L 06:22 18:43	J 05:23 19:25	S 04:42 20:03	M 04:32 20:24	J 04:55 20:08	D 05:34 19:21	M 06:14 18:21	V 06:55 17:24	L 07:40 16:44	M 08:09 16:41	23
24	V 08:00 17:16	L 07:16 18:03	M 06:20 18:44	V 05:22 19:27	D 04:41 20:04	M 04:32 20:24	J 04:57 20:07	L 05:35 19:20	J 06:15 18:19	S 06:57 17:22	M 07:41 16:43	J 08:09 16:42	24
25	S 07:59 17:17	M 07:14 18:04	M 06:18 18:46	S 05:20 19:28	L 04:40 20:05	J 04:33 20:24	S 04:58 20:06	M 05:37 19:18	V 06:17 18:17	D 06:58 17:21	M 07:42 16:43	V 08:09 16:42	25
26	D 07:58 17:19	M 07:12 18:06	J 06:16 18:47	D 05:18 19:29	M 04:40 20:06	V 04:33 20:24	D 04:59 20:05	M 05:38 19:16	S 06:18 18:15	L 06:59 17:19	J 07:44 16:42	S 08:10 16:43	26
27	L 07:57 17:20	J 07:10 18:07	V 06:14 18:48	L 05:17 19:31	M 04:39 20:08	S 04:34 20:24	L 05:00 20:04	J 05:39 19:14	D 06:19 18:13	M 07:01 17:17	V 07:45 16:41	D 08:10 16:44	27
28	M 07:55 17:22	V 07:08 18:09	S 06:12 18:50	M 05:15 19:32	J 04:38 20:09	D 04:34 20:24	M 05:01 20:02	V 05:40 19:12	L 06:21 18:11	M 07:02 17:16	S 07:46 16:41	L 08:10 16:45	28
29	M 07:54 17:23	S 07:07 18:10	D 06:10 18:51	M 05:13 19:33	V 04:37 20:09	L 04:35 20:24	M 05:02 20:01	S 05:42 19:10	M 06:22 18:09	J 07:04 17:14	D 07:48 16:40	M 08:10 16:46	29
30	J 07:53 17:25		L 06:08 18:52	J 05:12 19:35	S 04:37 20:10	M 04:35 20:23	J 05:04 20:00	D 05:43 19:08	M 06:23 18:07	V 07:05 17:13	L 07:49 16:40	M 08:10 16:46	30
31	V 07:52 17:26		M 06:06 18:54		D 04:36 20:11		V 05:05 19:58	L 05:44 19:06		S 07:07 17:11		J 08:10 16:47	31

Note:

1. Pentru întreg anul orele de răsărit și apus ale Soarelui sunt date în **Timp Legal Român** - UTC+2h
2. În anul 2020 **Ora de Vară** - UTC+3h este introdusă între 29 Martie și 25 Octombrie

Începutul și sfârșitul Crepusculului Civil în anul 2020

pentru orașul Cluj

Longitudine 23°35'47" Est

Latitudine 46°46'10" Nord

Zi	IANUARIE	FEBRUARIE	MARTIE	APRILIE	MAI	IUNIE	IULIE	AUGUST	SEPTEMBRIE	OCTOMBRIE	NOIEMBRIE	DECEMBRIE	Zi
	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	Început Sfârșit	
01	M 07:35 17:23	S 07:18 18:00	D 06:34 18:42	M 05:34 19:26	V 04:37 20:10	L 03:57 20:51	M 03:56 21:02	S 04:31 20:32	M 05:14 19:36	J 05:54 18:35	D 06:36 17:41	M 07:16 17:14	01
02	J 07:35 17:23	D 07:17 18:02	L 06:33 18:44	J 05:32 19:27	S 04:35 20:11	M 03:56 20:52	J 03:57 21:02	D 04:32 20:31	M 05:16 19:34	V 05:56 18:33	L 06:38 17:40	M 07:17 17:13	02
03	V 07:36 17:24	L 07:16 18:03	M 06:31 18:45	V 05:30 19:29	D 04:33 20:13	M 03:56 20:53	V 03:58 21:02	L 04:34 20:29	J 05:17 19:32	S 05:57 18:31	M 06:39 17:38	J 07:18 17:13	03
04	S 07:35 17:25	M 07:15 18:05	M 06:29 18:46	S 05:28 19:30	L 04:31 20:14	J 03:55 20:54	S 03:59 21:01	M 04:35 20:27	V 05:18 19:30	D 05:58 18:29	M 06:41 17:37	V 07:19 17:13	04
05	D 07:35 17:26	M 07:14 18:06	J 06:27 18:48	D 05:26 19:32	M 04:30 20:16	V 03:54 20:54	D 03:59 21:01	M 04:36 20:26	S 05:20 19:28	L 06:00 18:27	J 06:42 17:36	S 07:20 17:13	05
06	L 07:35 17:27	J 07:12 18:08	V 06:25 18:49	L 05:24 19:33	M 04:28 20:17	S 03:54 20:55	L 04:00 21:00	J 04:38 20:24	D 05:21 19:26	M 06:01 18:25	V 06:43 17:35	D 07:21 17:13	06
07	M 07:35 17:28	V 07:11 18:09	S 06:23 18:51	M 05:22 19:35	J 04:27 20:19	D 03:53 20:56	M 04:01 21:00	V 04:39 20:23	L 05:22 19:24	M 06:02 18:23	S 06:45 17:33	L 07:22 17:12	07
08	M 07:35 17:29	S 07:10 18:11	D 06:21 18:52	M 05:20 19:36	V 04:25 20:20	L 03:53 20:57	M 04:02 20:59	S 04:41 20:21	M 05:24 19:22	J 06:04 18:22	D 06:46 17:32	M 07:23 17:12	08
09	J 07:35 17:31	D 07:08 18:12	L 06:19 18:53	J 05:18 19:37	S 04:24 20:22	M 03:53 20:58	J 04:03 20:58	D 04:42 20:19	M 05:25 19:19	V 06:05 18:20	L 06:47 17:31	M 07:24 17:12	09
10	V 07:34 17:32	L 07:07 18:13	M 06:18 18:55	V 05:16 19:39	D 04:22 20:23	M 03:52 20:58	V 04:04 20:58	L 04:43 20:17	J 05:26 19:17	S 06:06 18:18	M 06:49 17:30	J 07:25 17:12	10
11	S 07:34 17:33	M 07:05 18:15	M 06:16 18:56	S 05:14 19:40	L 04:21 20:24	J 03:52 20:59	S 04:05 20:57	M 04:45 20:16	V 05:28 19:15	D 06:08 18:16	M 06:50 17:29	V 07:26 17:12	11
12	D 07:34 17:34	M 07:04 18:16	J 06:14 18:58	D 05:12 19:42	M 04:19 20:26	V 03:52 21:00	D 04:06 20:56	M 04:46 20:14	S 05:29 19:13	L 06:09 18:14	J 06:52 17:27	S 07:26 17:13	12
13	L 07:33 17:35	J 07:03 18:18	V 06:12 18:59	L 05:10 19:43	M 04:18 20:27	S 03:52 21:00	L 04:07 20:55	J 04:48 20:12	D 05:31 19:11	M 06:10 18:12	V 06:53 17:26	D 07:27 17:13	13
14	M 07:33 17:36	V 07:01 18:19	S 06:10 19:01	M 05:08 19:45	J 04:16 20:29	D 03:52 21:01	M 04:08 20:54	V 04:49 20:10	L 05:32 19:09	M 06:12 18:10	S 06:54 17:25	L 07:28 17:13	14
15	M 07:32 17:38	S 07:00 18:21	D 06:08 19:02	M 05:06 19:46	V 04:15 20:30	L 03:51 21:01	M 04:09 20:53	S 04:50 20:09	M 05:33 19:07	J 06:13 18:09	D 06:56 17:24	M 07:29 17:13	15
16	J 07:32 17:39	D 06:58 18:22	L 06:06 19:03	J 05:04 19:48	S 04:14 20:31	M 03:51 21:02	J 04:10 20:52	D 04:52 20:07	M 05:35 19:05	V 06:15 18:07	L 06:57 17:23	M 07:29 17:13	16
17	V 07:31 17:40	L 06:56 18:24	M 06:04 19:05	V 05:02 19:49	D 04:12 20:33	M 03:51 21:02	V 04:11 20:51	L 04:53 20:05	J 05:36 19:03	S 06:16 18:05	M 06:58 17:23	J 07:30 17:14	17
18	S 07:31 17:41	M 06:55 18:25	M 06:02 19:06	S 05:00 19:51	L 04:11 20:34	J 03:52 21:02	S 04:13 20:50	M 04:55 20:03	V 05:37 19:01	D 06:17 18:03	M 07:00 17:22	V 07:31 17:14	18
19	D 07:30 17:43	M 06:53 18:26	J 06:00 19:08	D 04:58 19:52	M 04:10 20:35	V 03:52 21:03	D 04:14 20:49	M 04:56 20:01	S 05:39 18:59	L 06:19 18:02	J 07:01 17:21	S 07:31 17:14	19
20	L 07:29 17:44	J 06:52 18:28	V 05:58 19:09	L 04:56 19:54	M 04:09 20:37	S 03:52 21:03	L 04:15 20:48	J 04:58 19:59	D 05:40 18:57	M 06:20 18:00	V 07:02 17:20	D 07:32 17:15	20
21	M 07:29 17:45	V 06:50 18:29	S 05:56 19:10	M 04:55 19:55	J 04:07 20:38	D 03:52 21:03	M 04:16 20:47	V 04:59 19:57	L 05:41 18:55	M 06:21 17:58	S 07:04 17:19	L 07:32 17:15	21
22	M 07:28 17:47	S 06:48 18:31	D 05:54 19:12	M 04:53 19:57	V 04:06 20:39	L 03:52 21:03	M 04:18 20:46	S 05:00 19:55	M 05:42 18:53	J 06:23 17:57	D 07:05 17:18	M 07:33 17:16	22
23	J 07:27 17:48	D 06:47 18:32	L 05:52 19:13	J 04:51 19:58	S 04:05 20:41	M 03:53 21:03	J 04:19 20:45	D 05:02 19:53	M 05:44 18:51	V 06:24 17:55	L 07:06 17:18	M 07:33 17:16	23
24	V 07:26 17:49	L 06:45 18:34	M 05:50 19:15	V 04:49 19:59	D 04:04 20:42	M 03:53 21:03	V 04:20 20:43	L 05:03 19:52	J 05:45 18:49	S 06:25 17:53	M 07:07 17:17	J 07:34 17:17	24
25	S 07:25 17:51	M 06:43 18:35	M 05:48 19:16	S 04:47 20:01	L 04:03 20:43	J 03:53 21:03	S 04:21 20:42	M 05:05 19:50	V 05:46 18:47	D 06:27 17:52	M 07:09 17:17	V 07:34 17:18	25
26	D 07:25 17:52	M 06:41 18:36	J 05:46 19:17	D 04:45 20:02	M 04:02 20:44	V 03:54 21:03	D 04:23 20:41	M 05:06 19:48	S 05:48 18:45	L 06:28 17:50	J 07:10 17:16	S 07:34 17:18	26
27	L 07:24 17:53	J 06:40 18:38	V 05:44 19:19	L 04:44 20:04	M 04:01 20:45	S 03:54 21:03	L 04:24 20:39	J 05:07 19:46	D 05:49 18:43	M 06:30 17:49	V 07:11 17:15	D 07:35 17:19	27
28	M 07:23 17:55	V 06:38 18:39	S 05:42 19:20	M 04:42 20:05	J 04:00 20:46	D 03:55 21:03	M 04:25 20:38	V 05:09 19:44	L 05:50 18:41	M 06:31 17:47	S 07:12 17:15	L 07:35 17:20	28
29	M 07:22 17:56	S 06:36 18:41	D 05:40 19:22	M 04:40 20:07	V 03:59 20:48	L 03:55 21:03	M 04:27 20:37	S 05:10 19:42	M 05:52 18:39	J 06:32 17:46	D 07:13 17:14	M 07:35 17:21	29
30	J 07:21 17:58		L 05:38 19:23	J 04:38 20:08	S 03:58 20:49	M 03:56 21:03	J 04:28 20:35	D 05:11 19:40	M 05:53 18:37	V 06:34 17:44	L 07:14 17:14	M 07:35 17:21	30
31	V 07:19 17:59		M 05:36 19:25		D 03:58 20:50		V 04:29 20:34	L 05:13 19:38		S 06:35 17:43		J 07:35 17:22	31

Note:

1. Pentru întreg anul orele de început și sfârșit ale Crepusculului Civil sunt date în **Timp Legal Român** - UTC+2 h
2. În anul 2020 **Ora de Vară** - UTC+3 h este introdusă între 29 Martie și 25 Octombrie