2019	Sunrise/Sunset	Solar Noon
Dec	Sunrise	Time
Dec	Sunrise	Time
1	6:34 am ↑ (115°)	11:42 am (37.1°)
2	6:35 am ↑ (115°)	11:43 am (36.9°)
3	6:35 am ↑ (115°)	11:43 am (36.8°)
4	6:36 am ↑ (116°)	11:43 am (36.6°)
5	6:37 am ↑ (116°)	11:44 am (36.5°)
6	6:38 am ↑ (116°)	11:44 am (36.4°)
7	6:39 am ↑ (116°)	11:45 am (36.2°)
8	6:39 am ↑ (116°)	11:45 am (36.1°)
9	6:40 am ↑ (116°)	11:46 am (36.0°)
10	6:41 am ↑ (116°)	11:46 am (35.9°)
11	6:41 am ↑ (117°)	11:46 am (35.8°)
12	6:42 am ↑ (117°)	11:47 am (35.8°)
13	6:43 am ↑ (117°)	11:47 am (35.7°)
14	6:44 am ↑ (117°)	11:48 am (35.6°)
15	6:44 am ↑ (117°)	11:48 am (35.6°)
16	6:45 am ↑ (117°)	11:49 am (35.5°)
17	6:45 am ↑ (117°)	11:49 am (35.5°)
18	6:46 am ↑ (117°)	11:50 am (35.4°)
19	6:47 am ↑ (117°)	11:50 am (35.4°)
20	6:47 am ↑ (117°)	11:51 am (35.4°)
21	6:48 am ↑ (117°)	11:51 am (35.4°)
22	6:48 am ↑ (117°)	11:52 am (35.4°)
23	6:49 am ↑ (117°)	11:52 am (35.4°)
24	6:49 am ↑ (117°)	11:53 am (35.4°)
25	6:50 am \(\gamma\) (117°)	11:53 am (35.4°)
26	6:50 am \(\gamma\) (117°)	11:54 am (35.4°)
27	6:50 am ↑ (117°)	11:54 am (35.5°)
28	6:51 am ↑ (117°)	11:55 am (35.5°)
29	6:51 am \(\gamma\) (117°)	11:55 am (35.6°)
30	6:51 am ↑ (117°)	11:56 am (35.6°)
31	6:52 am ↑ (117°)	11:56 am (35.7°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
based on the Gregorian calendar. Today is	based on the Gregorian calendar. Today is	based on the Gregorian calendar. Today is
highlighted.	highlighted.	highlighted.
2020	Sunrise/Sunset	Solar Noon
Jan -	Sunrise	Time
Jan	Sunrise	Time
1	6:52 am ↑ (117°)	11:57 am (35.7°)
2	6:52 am ↑ (117°)	11:57 am (35.8°)
3	6:53 am ↑ (116°)	11:58 am (35.9°)
4	6:53 am ↑ (116°)	11:58 am (36.0°)
5	6:53 am ↑ (116°)	11:59 am (36.1°)
6	6:53 am ↑ (116°)	11:59 am (36.2°)
7	6:53 am ↑ (116°)	11:59 am (36.4°)
8	6:53 am ↑ (116°)	12:00 pm (36.5°)
9	6:53 am ↑ (116°)	12:00 pm (36.6°)
10	6:53 am ↑ (116°)	12:01 pm (36.8°)
11	6:53 am ↑ (115°)	12:01 pm (36.9°)
12	6:53 am ↑ (115°)	12:02 pm (37.1°)
13	6:53 am ↑ (115°)	12:02 pm (37.2°)
	a territoria de la companya della companya della companya de la companya della co	

2020	Sunrise/Sunset	Solar Noon
Jan	Sunrise	Time
Jan	Sunrise	Time
14	6:53 am ↑ (115°)	12:02 pm (37.4°)
15	6:53 am ↑ (115°)	12:03 pm (37.6°)
16	6:53 am ↑ (114°)	12:03 pm (37.7°)
17	6:53 am ↑ (114°)	12:03 pm (37.9°)
18	6:52 am ↑ (114°)	12:04 pm (38.1°)
19	6:52 am ↑ (114°)	12:04 pm (38.3°)
20	6:52 am ↑ (113°)	12:04 pm (38.5°)
21	6:51 am ↑ (113°)	12:05 pm (38.8°)
22	6:51 am ↑ (113°)	12:05 pm (39.0°)
23	6:51 am ↑ (113°)	12:05 pm (39.2°)
24	6:50 am ↑ (112°)	12:05 pm (39.4°)
25	6:50 am ↑ (112°)	12:06 pm (39.7°)
26	6:50 am ↑ (112°)	12:06 pm (39.9°)
27	6:49 am ↑ (111°)	12:06 pm (40.2°)
28	6:49 am ↑ (111°)	12:06 pm (40.4°)
29	6:48 am ↑ (111°)	12:06 pm (40.7°)
30	6:48 am ↑ (110°)	12:07 pm (41.0°)
31	6:47 am ↑ (110°)	12:07 pm (41.3°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
based on the Gregorian calendar.	based on the Gregorian calendar.	based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Feb	Sunrise	Time
Feb	Sunrise	Time
1	6:46 am ↑ (110°)	12:07 pm (41.5°)
2	6:46 am ↑ (110°)	12:07 pm (41.8°)
3	6:45 am ↑ (109°)	12:07 pm (42.1°)
4	6:44 am ↑ (109°)	12:07 pm (42.4°)
E	1	
5	6:44 am ↑ (108°)	12:07 pm (42.7°)
6	6:43 am ↑ (108°)	12:08 pm (43.0°)
6 7	6:43 am ↑ (108°) 6:42 am ↑ (108°)	12:08 pm (43.0°) 12:08 pm (43.3°)
6 7 8	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°)
6 7 8 9	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°)
6 7 8 9	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°)
6 7 8 9 10	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°)
6 7 8 9 10 11	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°)	12:08 pm (43.0°) 12:08 pm (43.6°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°)
6 7 8 9 10 11 12 13	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°)	12:08 pm (43.0°) 12:08 pm (43.6°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°)
6 7 8 9 10 11 12 13 14	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:37 am ↑ (105°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°)
6 7 8 9 10 11 12 13	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:37 am ↑ (105°) 6:36 am ↑ (105°)	12:08 pm (43.0°) 12:08 pm (43.6°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°)
6 7 8 9 10 11 12 13 14	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:37 am ↑ (105°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°)
6 7 8 9 10 11 12 13 14 15	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:37 am ↑ (105°) 6:36 am ↑ (105°)	12:08 pm (43.0°) 12:08 pm (43.6°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°)
6 7 8 9 10 11 12 13 14 15 16	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:37 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:08 pm (46.3°)
6 7 8 9 10 11 12 13 14 15 16 17	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:08 pm (46.3°) 12:07 pm (47.0°) 12:07 pm (47.3°)
6 7 8 9 10 11 12 13 14 15 16 17 18	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°) 6:32 am ↑ (103°) 6:31 am ↑ (103°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:08 pm (46.3°)
6 7 8 9 10 11 12 13 14 15 16 17 18 19	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°) 6:33 am ↑ (104°) 6:33 am ↑ (103°) 6:32 am ↑ (103°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:08 pm (46.3°) 12:07 pm (47.0°) 12:07 pm (47.3°)
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°) 6:32 am ↑ (103°) 6:31 am ↑ (103°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.6°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:08 pm (46.3°) 12:07 pm (47.0°) 12:07 pm (47.3°) 12:07 pm (47.7°)
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°) 6:33 am ↑ (104°) 6:34 am ↑ (104°) 6:35 am ↑ (103°) 6:31 am ↑ (103°) 6:30 am ↑ (103°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.6°) 12:07 pm (47.0°) 12:07 pm (47.3°) 12:07 pm (48.0°)
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:37 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°) 6:33 am ↑ (103°) 6:31 am ↑ (103°) 6:30 am ↑ (102°) 6:29 am ↑ (102°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.0°) 12:08 pm (46.0°) 12:08 pm (46.0°) 12:07 pm (47.0°) 12:07 pm (47.0°) 12:07 pm (47.0°) 12:07 pm (48.0°) 12:07 pm (48.0°) 12:07 pm (48.4°)
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	6:43 am ↑ (108°) 6:42 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (106°) 6:39 am ↑ (106°) 6:38 am ↑ (105°) 6:37 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°) 6:33 am ↑ (103°) 6:31 am ↑ (103°) 6:30 am ↑ (102°) 6:29 am ↑ (102°) 6:28 am ↑ (101°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.3°) 12:08 pm (44.6°) 12:08 pm (44.6°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:08 pm (46.3°) 12:07 pm (47.0°) 12:07 pm (47.0°) 12:07 pm (48.0°) 12:07 pm (48.4°) 12:07 pm (48.4°) 12:07 pm (48.7°)
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	6:43 am ↑ (108°) 6:42 am ↑ (107°) 6:41 am ↑ (107°) 6:40 am ↑ (107°) 6:39 am ↑ (106°) 6:38 am ↑ (106°) 6:38 am ↑ (105°) 6:36 am ↑ (105°) 6:35 am ↑ (104°) 6:34 am ↑ (104°) 6:32 am ↑ (103°) 6:30 am ↑ (103°) 6:31 am ↑ (103°) 6:32 am ↑ (102°) 6:29 am ↑ (101°) 6:27 am ↑ (101°)	12:08 pm (43.0°) 12:08 pm (43.3°) 12:08 pm (43.6°) 12:08 pm (43.9°) 12:08 pm (44.9°) 12:08 pm (44.6°) 12:08 pm (44.9°) 12:08 pm (45.2°) 12:08 pm (45.6°) 12:08 pm (45.9°) 12:08 pm (46.3°) 12:07 pm (47.0°) 12:07 pm (47.0°) 12:07 pm (47.0°) 12:07 pm (48.0°) 12:07 pm (48.0°) 12:07 pm (48.4°) 12:07 pm (48.7°) 12:07 pm (49.1°)

2020	Sunrise/Sunset	Solar Noon
Feb	Sunrise	Time
Feb	Sunrise	Time
28	6:23 am ↑ (99°)	12:06 pm (50.6°)
29	6:21 am ↑ (99°)	12:06 pm (51.0°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
based on the Gregorian calendar.		based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Mar	Sunrise	Time
Mar	Sunrise	Time
1	6:20 am ↑ (98°)	12:06 pm (51.4°)
2	6:19 am ↑ (98°)	12:06 pm (51.7°)
3	6:18 am ↑ (97°)	12:05 pm (52.1°)
4	6:17 am ↑ (97°)	12:05 pm (52.5°)
5	6:16 am ↑ (96°)	12:05 pm (52.9°)
6	6:15 am ↑ (96°)	12:05 pm (53.3°)
7	6:13 am ↑ (96°)	12:05 pm (53.7°)
8	6:12 am ↑ (95°)	12:04 pm (54.1°)
9	6:11 am ↑ (95°)	12:04 pm (54.5°)
10	6:10 am ↑ (94°)	12:04 pm (54.8°)
11	6:09 am ↑ (94°)	12:03 pm (55.2°)
12	6:07 am ↑ (93°)	12:03 pm (55.6°)
13	6:06 am ↑ (93°)	12:03 pm (56.0°)
14	6:05 am ↑ (92°)	12:03 pm (56.4°)
15	6:04 am ↑ (92°)	12:02 pm (56.8°)
16	6:02 am ↑ (91°)	12:02 pm (57.2°)
17	6:01 am ↑ (91°)	12:02 pm (57.6°)
18	6:00 am ↑ (91°)	12:02 pm (58.0°)
19	5:59 am ↑ (90°)	12:01 pm (58.4°)
20	5:57 am ↑ (90°)	12:01 pm (58.8°)
21	5:56 am ↑ (89°)	12:01 pm (59.2°)
22	5:55 am ↑ (89°)	12:00 pm (59.6°)
23	5:54 am ↑ (88°)	12:00 pm (60.0°)
24	5:52 am ↑ (88°)	12:00 pm (60.4°)
25	5:51 am ↑ (87°)	11:59 am (60.8°)
26	5:50 am ↑ (87°)	11:59 am (61.1°)
27	5:49 am ↑ (86°)	11:59 am (61.5°)
28	5:47 am ↑ (86°)	11:59 am (61.9°)
29	5:46 am ↑ (85°)	11:58 am (62.3°)
30	5:45 am ↑ (85°)	11:58 am (62.7°)
31	5:44 am ↑ (85°)	11:58 am (63.1°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
They take into account refraction. Dates are based on the Gregorian calendar.	They take into account refraction. Dates are based on the Gregorian calendar.	They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Apr	Sunrise	Time
Apr	Sunrise	Time
	5:42 am ↑ (84°)	11:57 am (63.5°)
2	5:41 am ↑ (84°)	11:57 am (63.9°)
3	5:40 am ↑ (83°)	11:57 am (64.3°)
4	5:39 am ↑ (83°)	11:56 am (64.6°)
5	5:37 am ↑ (82°)	11:56 am (65.0°)
6	5:36 am ↑ (82°)	11:56 am (65.4°)

	Sunrise/Sunset	Solar Noon
Apr	Sunrise	Time
Apr	Sunrise	Time
7	5:35 am ↑ (81°)	11:56 am (65.8°)
8	5:34 am ↑ (81°)	11:55 am (66.1°)
9	5:33 am ↑ (81°)	11:55 am (66.5°)
10	5:31 am ↑ (80°)	11:55 am (66.9°)
11	5:30 am ↑ (80°)	11:55 am (67.2°)
12	5:29 am ↑ (79°)	11:54 am (67.6°)
13	5:28 am ↑ (79°)	11:54 am (68.0°)
14	5:27 am ↑ (78°)	11:54 am (68.3°)
15	5:26 am ↑ (78°)	11:54 am (68.7°)
16	5:24 am ↑ (78°)	11:53 am (69.0°)
17	5:23 am ↑ (77°)	11:53 am (69.4°)
18	5:22 am ↑ (77°)	11:53 am (69.7°)
19	5:21 am ↑ (76°)	11:53 am (70.1°)
20	5:20 am ↑ (76°)	11:52 am (70.4°)
21	5:19 am ↑ (76°)	11:52 am (70.8°)
22	5:18 am ↑ (75°)	11:52 am (71.1°)
23	5:17 am ↑ (75°)	11:52 am (71.4°)
24	5:16 am ↑ (74°)	11:52 am (71.8°)
25	5:15 am ↑ (74°)	11:51 am (72.1°)
26	5:14 am ↑ (74°)	11:51 am (72.4°)
27	5:13 am ↑ (73°)	11:51 am (72.7°)
28	5:12 am \(\gamma\) (73°)	11:51 am (73.1°)
29	5:11 am \(\gamma\) (72°)	11:51 am (73.4°)
30	5:10 am \(\gamma\) (72°)	11:51 am (73.7°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
* All times are local time for Shanghai. They take into account refraction. Dates are	* All times are local time for Shanghai. They take into account refraction. Dates are	* All times are local time for Shanghai. They take into account refraction. Dates are
They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
They take into account refraction. Dates are based on the Gregorian calendar.	They take into account refraction. Dates are based on the Gregorian calendar.	They take into account refraction. Dates are based on the Gregorian calendar.
They take into account refraction. Dates are based on the Gregorian calendar. 2020	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise 5:09 am ↑ (72°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°)
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They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°) 11:51 am (74.3°) 11:50 am (74.6°) 11:50 am (74.9°)
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°) 11:51 am (74.3°) 11:50 am (74.6°) 11:50 am (75.1°) 11:50 am (75.1°)
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May 1 2 3 4 5 6	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise 5:09 am \uparrow (72°) 5:08 am \uparrow (71°) 5:06 am \uparrow (71°) 5:05 am \uparrow (70°) 5:05 am \uparrow (70°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°) 11:51 am (74.6°) 11:50 am (74.9°) 11:50 am (75.1°) 11:50 am (75.4°)
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunrise Sunrise 5:09 am \uparrow (72°) 5:08 am \uparrow (71°) 5:06 am \uparrow (71°) 5:05 am \uparrow (70°) 5:05 am \uparrow (70°) 5:04 am \uparrow (70°) 5:04 am \uparrow (70°) 5:03 am \uparrow (69°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°) 11:51 am (74.3°) 11:50 am (74.6°) 11:50 am (75.1°) 11:50 am (75.4°) 11:50 am (75.7°)
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7 8	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise 5:09 am \uparrow (72°) 5:08 am \uparrow (71°) 5:06 am \uparrow (71°) 5:05 am \uparrow (70°) 5:05 am \uparrow (70°) 5:04 am \uparrow (70°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°) 11:51 am (74.3°) 11:50 am (74.6°) 11:50 am (75.1°) 11:50 am (75.1°) 11:50 am (75.7°) 11:50 am (76.0°)
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7 8 9 10	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise Sunrise 5:09 am \uparrow (72°) 5:08 am \uparrow (71°) 5:06 am \uparrow (71°) 5:05 am \uparrow (70°) 5:05 am \uparrow (70°) 5:04 am \uparrow (70°) 5:03 am \uparrow (69°) 5:01 am \uparrow (69°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7 8 9 10 11	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7 8 9 10 11 12	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunset Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon Time Time 11:51 am (74.0°) 11:50 am (74.6°) 11:50 am (74.9°) 11:50 am (75.1°) 11:50 am (75.4°) 11:50 am (76.0°) 11:50 am (76.0°) 11:50 am (76.2°) 11:50 am (76.8°) 11:50 am (77.0°)
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7 8 9 10 11 12 13	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 5:00 am ↑ (68°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May May 1 2 3 4 5 6 7 8 9 10 11 12 13 14	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunset Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:06 am ↑ (70°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 4:59 am ↑ (68°) 4:58 am ↑ (67°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise/Sunset Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 4:58 am ↑ (67°) 4:58 am ↑ (67°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:07 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 4:58 am ↑ (67°) 4:58 am ↑ (67°) 4:57 am ↑ (67°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunset Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 4:58 am ↑ (67°) 4:57 am ↑ (67°) 4:57 am ↑ (67°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020 May	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 4:59 am ↑ (67°) 4:57 am ↑ (67°) 4:57 am ↑ (67°) 4:56 am ↑ (66°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon
They take into account refraction. Dates are based on the Gregorian calendar. 2020	They take into account refraction. Dates are based on the Gregorian calendar. Sunrise Sunrise Sunrise 5:09 am ↑ (72°) 5:08 am ↑ (71°) 5:06 am ↑ (71°) 5:05 am ↑ (70°) 5:05 am ↑ (70°) 5:04 am ↑ (70°) 5:03 am ↑ (69°) 5:01 am ↑ (69°) 5:01 am ↑ (68°) 5:00 am ↑ (68°) 4:59 am ↑ (67°) 4:57 am ↑ (67°) 4:57 am ↑ (67°) 4:56 am ↑ (66°)	They take into account refraction. Dates are based on the Gregorian calendar. Solar Noon

Sunrise/Sunset

Solar Noon

2020

2020	Sunrise/Sunset	Solar Noon
May	Sunrise	Time
May	Sunrise	Time
22	4:54 am ↑ (65°)	11:50 am (79.2°)
23	4:53 am ↑ (65°)	11:50 am (79.4°)
24	4:53 am ↑ (65°)	11:50 am (79.6°)
25	4:52 am ↑ (65°)	11:50 am (79.8°)
26	4:52 am ↑ (64°)	11:51 am (80.0°)
27	4:52 am ↑ (64°)	11:51 am (80.1°)
28	4:51 am ↑ (64°)	11:51 am (80.3°)
29	4:51 am ↑ (64°)	11:51 am (80.5°)
30	4:51 am ↑ (64°)	11:51 am (80.6°)
31	4:50 am ↑ (64°)	11:51 am (80.7°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
based on the Gregorian calendar.	based on the Gregorian calendar.	based on the Gregorian calendar.
2020	Sunrise/Sunset Sunrise	Solar Noon Time
Jun		Time
Jun	Sunrise	
	4:50 am ↑ (63°)	11:51 am (80.9°)
2	4:50 am ↑ (63°)	11:52 am (81.0°)
3	4:50 am ↑ (63°)	11:52 am (81.1°)
4	4:50 am ↑ (63°)	11:52 am (81.3°)
5	4:49 am ↑ (63°)	11:52 am (81.4°)
6	4:49 am ↑ (63°)	11:52 am (81.5°)
7	4:49 am ↑ (63°)	11:52 am (81.6°)
8	4:49 am ↑ (62°)	11:53 am (81.7°)
9	4:49 am ↑ (62°)	11:53 am (81.7°)
10	4:49 am ↑ (62°)	11:53 am (81.8°)
11	4:49 am ↑ (62°)	11:53 am (81.9°)
12	4:49 am ↑ (62°)	11:53 am (81.9°)
13	4:49 am ↑ (62°)	11:54 am (82.0°)
15	4:49 am ↑ (62°) 4:49 am ↑ (62°)	11:54 am (82.1°) 11:54 am (82.1°)
16		
17	4:49 am ↑ (62°) 4:49 am ↑ (62°)	11:54 am (82.1°) 11:54 am (82.2°)
18	4.49 am ↑ (62°)	11:55 am (82.2°)
19	4:50 am ↑ (62°)	11:55 am (82.2°)
20	4:50 am ↑ (62°)	11:55 am (82.2°)
21	4:50 am ↑ (62°)	11:55 am (82.2°)
22	4:50 am ↑ (62°)	11:56 am (82.2°)
23	4:50 am ↑ (62°)	11:56 am (82.2°)
24	4:51 am ↑ (62°)	11:56 am (82.2°)
25	4:51 am ↑ (62°)	11:56 am (82.2°)
26	4:51 am ↑ (62°)	11:56 am (82.1°)
27	4:52 am ↑ (62°)	11:57 am (82.1°)
28	4:52 am ↑ (62°)	11:57 am (82.0°)
29	4:52 am ↑ (62°)	11:57 am (82.0°)
30	4:53 am ↑ (62°)	11:57 am (82.0°)
* All times are local time for Shanghai.	* All times are local time for Shanghai.	* All times are local time for Shanghai.
They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
based on the Gregorian calendar.	based on the Gregorian calendar.	based on the Gregorian calendar.

2020	Sunrise/Sunset	Solar Noon
Jul	Sunrise	Time
Jul	Sunrise	Time
1	4:53 am ↑ (62°)	11:57 am (81.9°)
2	4:54 am ↑ (62°)	11:58 am (81.8°)
3	4:54 am ↑ (62°)	11:58 am (81.7°)
4	4:54 am ↑ (62°)	11:58 am (81.6°)
5	4:55 am ↑ (63°)	11:58 am (81.5°)
6	4:55 am ↑ (63°)	11:58 am (81.4°)
7	4:56 am ↑ (63°)	11:58 am (81.3°)
8	4:56 am ↑ (63°)	11:59 am (81.2°)
9	4:57 am ↑ (63°)	11:59 am (81.1°)
10	4:57 am ↑ (63°)	11:59 am (81.0°)
11	4:58 am ↑ (63°)	11:59 am (80.8°)
12	4:58 am ↑ (64°)	11:59 am (80.7°)
13	4:59 am ↑ (64°)	11:59 am (80.5°)
14	4:59 am ↑ (64°)	11:59 am (80.4°)
15	5:00 am \((64^\circ) \)	12:00 pm (80.2°)
16	5:01 am ↑ (64°)	12:00 pm (80.1°)
17	5:01 am \((64^\circ) \)	12:00 pm (79.9°)
18	5:02 am ↑ (65°)	12:00 pm (79.7°)
19	5:02 am ↑ (65°)	12:00 pm (79.5°)
20	5:03 am \((65^\circ) \)	12:00 pm (79.4°)
21	5:03 am ↑ (65°)	12:00 pm (79.2°)
22	5:04 am ↑ (66°)	12:00 pm (79.0°)
23	5:05 am ↑ (66°)	12:00 pm (78.8°)
24	5:05 am \((66^\circ) \)	12:00 pm (78.6°)
25	5:06 am ↑ (66°)	12:00 pm (78.3°)
26	5:07 am ↑ (67°)	12:00 pm (78.1°)
27	5:07 am ↑ (67°)	12:00 pm (77.9°)
28	5:08 am \((67^\circ) \)	12:00 pm (77.7°)
29	5:08 am \(\gamma\) (67°)	12:00 pm (77.4°)
30	5:09 am \(\gamma\) (68°)	12:00 pm (77.2°)
31	5:10 am ↑ (68°)	12:00 pm (76.9°)
* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Aug	Sunrise	Time
Aug	Sunrise	Time
1	5:10 am ↑ (68°)	12:00 pm (76.7°)
2	5:11 am ↑ (69°)	12:00 pm (76.4°)
3	5:12 am ↑ (69°)	12:00 pm (76.2°)
4	5:12 am ↑ (69°)	12:00 pm (75.9°)
5	5:13 am ↑ (70°)	12:00 pm (75.6°)
6	5:14 am ↑ (70°)	11:59 am (75.4°)
7	5:14 am ↑ (70°)	11:59 am (75.1°)
8	5:15 am ↑ (71°)	11:59 am (74.8°)
9	5:15 am ↑ (71°)	11:59 am (74.5°)
10	5:16 am ↑ (71°)	11:59 am (74.2°)
11	5:17 am ↑ (72°)	11:59 am (73.9°)
12	5:17 am ↑ (72°)	11:59 am (73.6°)
13	5:18 am ↑ (72°)	11:58 am (73.3°)
14	5:19 am ↑ (73°)	11:58 am (73.0°)

2020	Sunrise/Sunset	Solar Noon
Aug	Sunrise	Time
Aug	Sunrise	Time
15	5:19 am ↑ (73°)	11:58 am (72.7°)
16	5:20 am ↑ (73°)	11:58 am (72.4°)
17	5:20 am ↑ (74°)	11:58 am (72.1°)
18	5:21 am ↑ (74°)	11:57 am (71.7°)
19	5:22 am ↑ (75°)	11:57 am (71.4°)
20	5:22 am ↑ (75°)	11:57 am (71.1°)
21	5:23 am ↑ (75°)	11:57 am (70.8°)
22	5:24 am ↑ (76°)	11:56 am (70.4°)
23	5:24 am ↑ (76°)	11:56 am (70.1°)
24	5:25 am ↑ (77°)	11:56 am (69.7°)
25	5:25 am ↑ (77°)	11:56 am (69.4°)
26	5:26 am ↑ (77°)	11:55 am (69.0°)
27	5:27 am ↑ (78°)	11:55 am (68.7°)
28	5:27 am ↑ (78°)	11:55 am (68.3°)
29	5:28 am ↑ (79°)	11:54 am (68.0°)
30	5:28 am \(\gamma\) (79°)	11:54 am (67.6°)
31	5:29 am ↑ (79°)	11:54 am (67.3°)
* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Sep	Sunrise	Time
Sep	Sunrise	Time
1	5:30 am ↑ (80°)	11:53 am (66.9°)
2	5:30 am ↑ (80°)	11:53 am (66.5°)
3	5:31 am ↑ (81°)	11:53 am (66.2°)
4	5:31 am ↑ (81°)	11:53 am (65.8°)
5	5:32 am ↑ (82°)	11:52 am (65.4°)
6	5:32 am ↑ (82°)	11:52 am (65.1°)
7	5:33 am ↑ (82°)	11:51 am (64.7°)
8		
· ·	5:34 am ↑ (83°)	11:51 am (64.3°)
	5:34 am ↑ (83°) 5:34 am ↑ (83°)	11:51 am (64.3°) 11:51 am (63.9°)
9		, ,
9	5:34 am ↑ (83°)	11:51 am (63.9°)
9 10 11	5:34 am ↑ (83°) 5:35 am ↑ (84°)	11:51 am (63.9°) 11:50 am (63.6°)
9 10 11 12	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°)
9 10 11 12 13	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°)
9 10 11 12 13 14	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°)
9 10 11 12 13 14	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°)
9 10 11 12 13 14 15	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:49 am (61.7°)
9 10 11 12 13 14 15 16	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:38 am ↑ (86°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:49 am (61.7°) 11:48 am (61.3°)
9 10 11 12 13 14 15 16 17	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:39 am ↑ (87°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:49 am (61.7°) 11:48 am (61.3°) 11:48 am (60.9°) 11:48 am (60.5°)
9 10 11 12 13 14 15 16 17 18	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:49 am (61.7°) 11:48 am (61.3°) 11:48 am (60.9°)
9 10 11 12 13 14 15 16 17 18 19 20	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:40 am ↑ (88°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:48 am (61.3°) 11:48 am (60.9°) 11:48 am (60.5°) 11:47 am (60.1°)
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9 10 11 12 13 14 15 16 17 18 19 20 21	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:40 am ↑ (88°) 5:41 am ↑ (88°) 5:41 am ↑ (88°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:48 am (61.3°) 11:48 am (60.9°) 11:48 am (60.5°) 11:47 am (60.1°) 11:47 am (59.7°) 11:47 am (59.3°)
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:40 am ↑ (88°) 5:41 am ↑ (88°) 5:42 am ↑ (89°) 5:42 am ↑ (89°) 5:42 am ↑ (90°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:49 am (61.7°) 11:48 am (61.3°) 11:48 am (60.9°) 11:47 am (60.1°) 11:47 am (59.7°) 11:47 am (59.3°) 11:46 am (58.9°)
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:40 am ↑ (88°) 5:41 am ↑ (88°) 5:42 am ↑ (89°) 5:42 am ↑ (90°) 5:43 am ↑ (90°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:48 am (61.3°) 11:48 am (60.9°) 11:47 am (60.1°) 11:47 am (59.7°) 11:46 am (58.9°) 11:45 am (58.6°) 11:45 am (58.2°)
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (86°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:40 am ↑ (88°) 5:41 am ↑ (88°) 5:42 am ↑ (89°) 5:42 am ↑ (90°) 5:43 am ↑ (90°) 5:44 am ↑ (91°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:49 am (61.7°) 11:48 am (61.3°) 11:48 am (60.9°) 11:47 am (60.1°) 11:47 am (59.7°) 11:46 am (58.9°) 11:46 am (58.6°) 11:45 am (58.2°) 11:45 am (57.8°)
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	5:34 am ↑ (83°) 5:35 am ↑ (84°) 5:35 am ↑ (84°) 5:36 am ↑ (85°) 5:37 am ↑ (85°) 5:38 am ↑ (86°) 5:38 am ↑ (86°) 5:39 am ↑ (87°) 5:40 am ↑ (88°) 5:41 am ↑ (88°) 5:42 am ↑ (89°) 5:42 am ↑ (90°) 5:43 am ↑ (90°)	11:51 am (63.9°) 11:50 am (63.6°) 11:50 am (63.2°) 11:50 am (62.8°) 11:49 am (62.4°) 11:49 am (62.0°) 11:48 am (61.3°) 11:48 am (60.9°) 11:47 am (60.1°) 11:47 am (59.7°) 11:46 am (58.9°) 11:45 am (58.6°) 11:45 am (58.2°)

2020	Sunrise/Sunset	Solar Noon
Sep	Sunrise	Time
Sep	Sunrise	Time
29	5:46 am ↑ (92°)	11:44 am (56.2°)
30	5:47 am ↑ (93°)	11:43 am (55.8°)
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They take into account refraction. Dates are	They take into account refraction. Dates are	They take into account refraction. Dates are
based on the Gregorian calendar.	based on the Gregorian calendar.	based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Oct	Sunrise	Time
Oct	Sunrise	Time
1	5:47 am ↑ (93°)	11:43 am (55.4°)
2	5:48 am ↑ (94°)	11:43 am (55.1°)
3	5:48 am ↑ (94°)	11:43 am (54.7°)
4	5:49 am ↑ (95°)	11:42 am (54.3°)
5	5:50 am ↑ (95°)	11:42 am (53.9°)
6	5:50 am ↑ (96°)	11:42 am (53.5°)
[7	5:51 am ↑ (96°)	11:41 am (53.1°)
8	5:52 am ↑ (96°)	11:41 am (52.8°)
9	5:52 am ↑ (97°)	11:41 am (52.4°)
10	5:53 am ↑ (97°)	11:40 am (52.0°)
11	5:54 am ↑ (98°)	11:40 am (51.6°)
12	5:54 am ↑ (98°)	11:40 am (51.2°)
13	5:55 am ↑ (99°)	11:40 am (50.9°)
14	5:56 am ↑ (99°)	11:39 am (50.5°)
15	5:56 am ↑ (100°)	11:39 am (50.1°)
16	5:57 am ↑ (100°)	11:39 am (49.8°)
17	5:58 am ↑ (100°)	11:39 am (49.4°)
18	5:58 am ↑ (101°)	11:39 am (49.0°)
19	5:59 am ↑ (101°)	11:38 am (48.7°)
20	6:00 am ↑ (102°)	11:38 am (48.3°)
21	6:01 am ↑ (102°)	11:38 am (48.0°)
22	6:01 am ↑ (103°)	11:38 am (47.6°)
23	6:02 am ↑ (103°)	11:38 am (47.2°)
24 25	6:03 am ↑ (103°)	11:38 am (46.9°)
25	6:04 am ↑ (104°)	11:38 am (46.6°)
26	6:04 am ↑ (104°)	11:37 am (46.2°)
27	6:05 am ↑ (105°)	11:37 am (45.9°)
28	6:06 am ↑ (105°)	11:37 am (45.5°)
29	6:07 am ↑ (105°)	11:37 am (45.2°)
30	6:07 am ↑ (106°)	11:37 am (44.9°)
31	6:08 am ↑ (106°)	11:37 am (44.6°)
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They take into account refraction. Dates are based on the Gregorian calendar.	They take into account refraction. Dates are based on the Gregorian calendar.	They take into account refraction. Dates are based on the Gregorian calendar.
2020	Sunrise/Sunset	Solar Noon
Nov	Sunrise	Time
Nov	Sunrise	Time
1	6:09 am ↑ (106°)	
2	6:10 am \(\) (100°)	11:37 am (44.2°) 11:37 am (43.9°)
3	6:11 am \(\) (107°)	11:37 am (43.9°)
	6:12 am \((108^\)	11:37 am (43.8°)
4		` ′
5	6:12 am ↑ (108°)	11:37 am (43.0°)
6	6:13 am ↑ (108°)	11:37 am (42.7°)

2020	Sunrise/Sunset	Solar Noon
Nov	Sunrise	Time
Nov	Sunrise	Time
7	6:14 am ↑ (109°)	11:37 am (42.4°)
8	6:15 am ↑ (109°)	11:37 am (42.1°)
9	6:16 am ↑ (109°)	11:37 am (41.8°)
10	6:17 am ↑ (110°)	11:37 am (41.5°)
11	6:17 am ↑ (110°)	11:38 am (41.3°)
12	6:18 am ↑ (110°)	11:38 am (41.0°)
13	6:19 am ↑ (111°)	11:38 am (40.7°)
14	6:20 am ↑ (111°)	11:38 am (40.5°)
15	6:21 am ↑ (111°)	11:38 am (40.2°)
16	6:22 am ↑ (112°)	11:38 am (40.0°)
17	6:23 am ↑ (112°)	11:39 am (39.7°)
18	6:23 am ↑ (112°)	11:39 am (39.5°)
19	6:24 am ↑ (112°)	11:39 am (39.2°)
20	6:25 am ↑ (113°)	11:39 am (39.0°)
21	6:26 am ↑ (113°)	11:39 am (38.8°)
22	6:27 am ↑ (113°)	11:40 am (38.6°)
23	6:28 am ↑ (113°)	11:40 am (38.4°)
24	6:29 am ↑ (114°)	11:40 am (38.2°)
25	6:29 am ↑ (114°)	11:41 am (38.0°)
26	6:30 am ↑ (114°)	11:41 am (37.8°)
27	6:31 am ↑ (114°)	11:41 am (37.6°)
28	6:32 am ↑ (115°)	11:42 am (37.4°)
29	6:33 am ↑ (115°)	11:42 am (37.3°)
30	6:34 am ↑ (115°)	11:42 am (37.1°)
* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.	* All times are local time for Shanghai. They take into account refraction. Dates are based on the Gregorian calendar.