

豫气資009

內部資料
注意保存

河 南 省
逐日十厘米平均地溫資料
(1951—1964)

河南省气象局气象台

1965. 10. 郑州.

說 明

为了服务于农业生产的需要，现将我省68个气象台站历年各月逐日5厘米和10厘米深度的地中温度整编出版，供有关单位使用。

各台站资料年代为1951—1964年，凡有三整年记录的台站均参加整编出版。

累年值的计算部分，系根据我省主要的播种季节（春播，秋播）而确定的计算时间。春季：北中部地区计算4—5月，南部地区3—4月。秋季：豫西山区计算9—10月，其他地区10—11月。

记录处理：

地温月旬平均值在有缺测的情况下：一句内缺测1—3天，一月内缺测1—5天者按实有天数平均，一句超过了3天，一月超过5天，则不作旬月统计。历年报表中5、10厘米地温的日平均及月旬平均值有与本次出版资料不一致之处，一般应以本次出版之数值为准。

某日1时（2时）缺记录者则用7时（8时）之记录代替，该日平均值外加括号。其他定时观测如有缺测，则不计算该日平均值。

卢氏站因冬季月份（12月，1—2月）土壤冻结时间长，故不作曲管地温观测。

冬季月份某月记录不足两旬者不予出版，其他月份记录不足5天不予出版。

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	一 月												二 月							
	1951	1952	1954	1957	1958	1959	1960	1961	1962	1963	1964	1951	1952	1954	1955	1956	1957	1958	1959	
1	0.0	0.8	0.4	0.3	0.2	0.6	-0.4	-2.4	-0.4	-0.2	-0.3	0.4	0.1	-0.1	3.4	0.2	-0.6	-1.5	2.2	
2	-0.7	1.2	0.4	-0.2	-0.2	0.2	-0.1	-1.1	-0.5	0.1	-0.3	0.1	-0.2	-0.7	3.2	1.7	—	-0.3	3.4	
3	-0.4	0.5	0.6	0.6	-0.5	0.2	0.9	-0.5	-0.4	1.0	-0.5	0.0	-0.2	-1.0	4.1	4.4	—	-0.3	3.7	
4	-0.8	0.5	1.0	0.1	0.2	-0.6	2.2	-1.4	-0.3	0.9	-0.3	0.0	-0.2	-0.9	3.6	5.3	-0.1	-0.2	3.7	
5	-0.9	0.2	0.8	-0.4	0.2	-2.0	1.0	-0.5	-0.5	0.7	-0.3	-0.2	-0.3	-1.9	1.6	5.1	-0.2	0.0	5.4	
6	-0.6	-0.1	0.6	-0.2	2.0	-1.7	0.1	-0.8	-0.5	-0.1	-0.2	-0.7	-0.3	-1.5	1.4	5.2	-0.6	0.5	4.2	
7	-0.7	-0.5	0.8	-1.1	1.0	-0.4	0.2	-1.6	-0.4	-0.7	-0.2	-1.0	-0.1	-0.8	4.2	4.3	-1.1	0.5	2.6	
8	-1.4	-0.8	2.5	-0.1	1.3	-0.8	0.3	-0.6	0.0	-0.8	-0.1	-0.4	-0.0	-0.1	4.1	2.8	-1.0	1.0	2.6	
9	-1.6	-0.3	1.7	0.0	2.0	-0.7	0.6	-0.8	0.0	-1.0	0.0	-0.3	0.5	0.5	3.3	1.5	-2.8	2.0	3.0	
10	-1.8	-0.2	0.5	-0.5	0.7	-1.3	1.5	-1.1	0.1	-0.5	0.1	-1.1	1.3	1.2	2.3	0.7	-2.4	1.9	2.6	
上旬	-0.9	0.1	0.9	-0.2	0.7	-0.7	0.6	-1.1	-0.3	-0.1	-0.2	-0.3	0.1	-0.5	3.1	3.1	(-1.1)	0.4	3.3	
11	-3.0	-0.4	0.6	-0.2	—	-1.3	0.7	-2.5	0.1	-1.1	0.7	-1.5	2.1	3.1	1.4	0.6	-1.2	1.5	3.6	
12	-3.8	-0.4	0.8	-1.4	0.8	-0.6	0.2	-2.2	0.2	-1.2	0.7	-0.5	2.2	2.4	2.5	-0.1	-0.8	0.4	2.4	
13	-4.1	-0.1	1.0	—	—	-0.7	0.2	-1.9	0.3	-1.2	0.7	-0.1	0.8	2.4	3.7	0.5	-0.3	0.9	1.8	
14	-4.4	-0.1	1.9	—	—	-0.7	0.1	-1.5	0.8	-0.9	0.5	-0.3	1.0	2.3	5.4	2.7	0.1	1.6	1.7	
15	-4.0	-0.4	2.7	—	—	-0.1	0.2	-0.9	1.1	-0.6	0.5	0.2	1.0	—	5.8	1.9	0.1	3.2	3.0	
16	-3.5	-0.5	3.3	—	—	-0.5	0.1	-1.7	0.5	-0.9	0.6	0.2	0.7	1.7	4.6	0.5	0.0	3.5	3.7	
17	-3.4	-0.3	3.3	—	—	-1.6	0.3	-1.4	0.3	-0.4	0.6	1.7	0.5	1.6	3.9	-0.1	0.0	4.1	4.1	
18	-1.8	-0.3	1.3	-1.7	—	-1.5	0.1	-1.5	0.3	-0.2	0.4	1.5	0.1	1.2	2.6	0.3	0.0	4.5	3.5	
19	-1.6	-0.4	2.2	-1.6	-2.1	-1.4	-0.2	-1.1	0.3	-0.4	0.1	2.0	0.1	1.0	2.2	1.1	0.0	4.1	4.1	
20	-2.3	0.0	1.9	-1.5	-1.5	-0.9	-0.3	-1.3	0.0	-0.4	0.0	2.3	-0.1	1.6	1.0	2.1	0.1	5.6	4.6	
中旬	-3.2	-0.3	1.9	—	—	-0.9	0.1	-1.6	0.4	-0.7	0.5	0.6	0.8	(1.9)	3.3	1.0	-0.2	2.9	3.3	
21	-3.8	0.3	0.9	-2.8	-1.8	-0.3	-0.4	-0.9	0.1	-1.1	0.1	4.2	0.0	2.0	1.5	1.6	0.7	7.5	5.1	
22	-3.5	0.6	0.3	-2.3	-1.9	-0.8	-1.6	-0.5	0.0	-0.8	0.0	2.4	0.0	2.4	4.0	2.6	0.9	6.6	6.0	
23	-2.7	0.5	-0.1	-2.5	-3.9	-0.5	-2.3	-0.2	-0.2	-1.0	-0.5	2.2	0.0	4.1	5.8	3.3	2.4	6.7	5.9	
24	-1.9	0.5	-0.8	-1.3	-2.8	0.1	-2.5	-0.3	-0.3	-1.2	-0.6	1.8	0.0	5.4	5.7	3.0	3.5	6.9	7.2	
25	-1.2	0.2	-1.4	-0.3	-1.1	0.2	-1.3	-0.3	-0.3	-0.9	-0.2	0.8	0.0	6.7	6.9	2.5	4.4	6.5	6.5	
26	-1.0	0.2	-1.9	-0.2	-0.1	0.6	-1.3	-0.4	-0.3	-1.1	-0.2	0.5	0.2	3.6	8.5	3.0	4.2	3.8	6.5	
27	-0.5	0.3	-1.6	0.1	-0.5	0.7	-2.1	1.2	-0.3	-0.7	-0.1	0.3	1.6	2.7	7.3	4.6	4.3	3.4	5.1	
28	-0.3	0.3	-1.0	—	-0.5	1.3	-1.6	1.7	-0.1	-0.5	0.0	0.2	2.4	3.3	4.9	1.7	3.7	4.5	5.9	
29	-0.0	0.3	-1.3	—	-1.2	2.0	-1.8	2.5	0.0	-0.3	0.0	—	2.5	—	—	2.7	—	—	—	
30	0.0	0.2	-0.8	-0.1	-1.5	0.6	-0.4	2.7	-0.2	-0.6	0.0	—	—	—	—	—	—	—	—	
31	0.0	0.0	-0.4	-0.3	-1.8	0.5	-0.4	0.4	-0.3	-0.7	-0.2	—	—	—	—	—	—	—	—	
下旬	-1.4	0.3	-0.7	(-1.1)	-1.6	0.4	-1.4	0.5	-0.2	-0.8	-0.2	1.6	0.7	3.8	5.6	2.8	3.0	5.7	6.0	
月	-1.8	0.1	0.7	—	—	-0.4	-0.3	-0.7	0.0	-0.5	0.0	0.5	0.5	(1.6)	3.9	2.3	(0.5)	2.8	4.1	

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	二 月					三 月										月				
	1960	1961	1962	1963	1964	1951	1952	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964		
1	-0.6	0.1	0.1	-0.8	-0.6	0.0	3.5	3.6	4.9	2.5	3.2	5.0	6.6	8.6	10.2	6.1	9.0	2.6		
2	-0.4	0.7	0.0	-0.6	-1.0	0.0	3.3	3.3	6.4	2.0	4.3	4.3	6.8	7.4	7.6	6.3	9.8	4.5		
3	-0.2	1.2	0.1	-0.9	-0.6	0.0	1.3	1.8	4.3	3.3	4.6	4.3	6.8	8.7	6.8	7.7	8.0	5.7		
4	1.4	2.0	0.3	-1.0	-0.2	0.5	1.8	1.2	2.4	3.8	5.2	5.5	7.2	9.1	7.7	9.0	6.1	7.3		
5	1.8	2.3	1.1	-0.4	-0.7	1.2	2.8	1.5	3.2	4.7	4.9	5.2	7.9	12.2	8.9	9.5	6.1	7.4		
6	2.8	2.8	2.5	-0.5	-0.3	2.5	1.9	2.6	3.2	4.1	6.4	5.9	7.2	10.3	8.2	7.9	6.8	7.6		
7	3.0	2.8	2.0	-0.4	-0.4	4.3	3.7	3.1	2.6	5.7	6.7	7.3	7.6	8.7	7.0	6.5	6.8	5.9		
8	3.4	3.3	2.9	-0.8	-0.2	5.2	4.4	4.8	3.0	5.5	7.4	8.4	8.6	8.1	7.1	8.9	4.1	6.8		
9	4.3	4.3	2.4	-0.7	-0.3	7.7	5.0	3.9	4.9	7.0	6.4	10.2	8.7	9.3	9.7	8.1	2.6	7.4		
10	3.9	4.3	4.3	-0.3	-0.4	6.6	4.0	3.4	5.8	5.9	3.9	11.3	8.2	10.5	9.8	7.6	3.5	6.9		
上旬	1.9	2.4	1.6	-0.6	-0.5	2.8	3.2	2.9	4.1	4.5	5.3	6.7	7.6	9.3	8.3	7.8	6.3	6.2		
11	2.7	4.9	4.9	-0.2	-0.5	4.0	4.6	3.2	4.2	4.4	3.3	12.7	7.5	11.1	11.0	9.8	4.8	6.3		
12	2.0	4.3	2.9	-0.3	-0.9	2.4	4.4	2.7	4.4	6.3	2.7	13.9	8.1	9.2	13.1	11.9	6.4	5.3		
13	4.2	4.1	4.0	-0.2	-0.8	4.5	6.7	4.3	4.1	9.4	3.8	12.1	8.2	7.5	10.4	13.3	6.7	7.5		
14	3.9	3.4	3.7	0.3	-0.9	7.7	9.4	5.3	7.2	11.1	5.4	8.1	9.3	9.2	9.4	14.2	8.5	8.6		
15	6.2	4.3	3.5	0.1	-0.8	9.9	9.2	5.5	9.5	9.9	5.7	7.4	11.2	10.2	11.7	12.8	9.0	9.0		
16	7.2	5.1	4.4	0.1	-1.2	10.9	8.6	6.7	10.9	9.2	6.8	7.2	11.4	10.2	12.7	11.0	10.5	8.8		
17	6.1	4.3	5.2	0.7	-1.7	11.8	7.9	10.3	11.0	8.8	8.6	7.8	11.9	10.2	14.8	9.9	12.0	7.3		
18	5.4	4.6	5.7	1.4	-1.7	10.8	5.8	11.9	8.6	7.0	7.3	8.2	11.3	9.4	11.2	10.9	13.3	5.5		
19	6.4	5.3	5.8	3.3	-2.1	9.6	6.1	9.7	6.8	8.7	9.2	8.9	10.4	11.1	7.2	9.3	13.3	5.3		
20	7.9	6.2	7.0	2.7	-1.8	9.4	7.5	7.7	7.0	9.0	11.5	11.0	11.4	13.4	8.0	9.4	14.8	6.1		
中旬	5.2	4.7	4.7	0.8	-1.2	8.1	7.0	6.7	7.4	8.4	6.4	9.7	10.1	10.2	11.0	11.3	9.9	7.0		
21	6.3	6.7	7.1	4.1	-1.1	9.3	8.0	9.0	6.6	9.7	10.0	12.5	12.9	12.7	10.5	9.0	13.9	6.3		
22	7.0	6.6	6.5	4.9	-1.2	9.0	8.5	9.9	8.9	8.5	8.7	13.5	12.8	12.8	12.8	8.9	10.1	8.2		
23	9.1	8.0	5.4	6.5	-1.1	8.7	9.1	11.0	8.0	8.1	10.8	12.2	13.4	9.5	13.5	8.9	9.6	7.3		
24	10.3	8.6	3.4	6.4	-1.6	9.0	6.0	11.5	7.8	7.8	11.2	11.8	13.9	5.9	13.8	9.0	10.7	7.6		
25	9.5	6.8	2.5	6.0	-0.7	10.6	7.2	13.1	10.5	5.7	11.8	10.9	15.7	8.4	12.7	9.6	11.5	8.6		
26	6.9	6.5	2.3	5.4	-0.2	12.5	8.8	12.3	11.3	6.4	11.2	9.8	15.6	12.3	12.0	8.4	13.0	11.2		
27	6.3	9.1	3.6	5.0	-0.1	12.8	9.6	9.4	12.0	8.1	10.0	7.5	16.0	14.4	13.3	11.0	11.5	10.5		
28	7.1	10.3	5.4	7.3	0.9	11.3	10.9	9.7	13.1	9.2	11.8	8.0	14.8	13.5	14.3	11.6	11.7	13.2		
29	10.5				0.6	10.5	10.5	10.2	11.3	10.4	15.1	10.1	12.3	13.1	16.2	10.9	13.1	14.9		
30						11.2	9.7	12.6	11.5	9.6	15.6	11.8	12.9	10.7	15.8	11.8	15.8	15.3		
31						12.9	11.1	14.5	9.8	6.2	14.1	12.5	14.5	11.5	16.4	13.9	16.4	13.8		
下旬	8.1	7.8	4.5	5.7	-0.5	10.7	9.0	11.2	10.1	8.2	11.8	11.0	14.1	11.3	13.7	10.3	12.5	10.6		
月	5.0	4.8	3.5	1.7	-0.8	7.3	6.5	7.1	7.3	7.0	8.0	9.2	10.7	10.3	11.1	9.8	9.6	8.0		

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	四 月														月		五 月			
	1951	1952	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	合计	13年 平均	1951	1952	1954	1955	
1	12.7	12.1	16.5	9.4	8.6	12.4	11.4	15.6	11.7	17.7	13.7	15.4	13.9	171.1	13.2	21.9	19.0	21.6	21.8	
2	12.7	11.2	16.0	11.6	11.6	11.5	11.7	14.5	13.4	17.8	9.3	12.7	14.1	168.1	12.9	21.5	19.1	21.5	22.6	
3	13.2	13.4	14.3	14.5	13.2	13.2	14.3	14.2	15.4	19.2	10.0	11.6	14.8	181.3	13.9	22.3	17.9	21.4	22.3	
4	13.6	15.2	14.6	15.8	15.8	17.1	15.2	13.9	15.1	19.5	11.9	10.9	14.6	193.2	14.9	20.2	18.7	20.6	21.3	
5	15.2	16.6	16.6	17.5	14.0	17.6	17.5	14.0	14.9	18.0	12.2	9.4	13.2	196.7	15.1	21.3	18.7	22.1	23.1	
6	16.0	17.0	15.0	19.8	10.7	19.7	16.0	13.8	16.8	18.0	13.5	8.9	8.0	193.2	14.9	20.9	19.3	22.1	24.5	
7	16.0	18.9	13.9	21.4	8.6	19.6	11.8	16.3	14.2	17.8	15.7	9.2	8.4	191.8	14.8	21.6	18.3	22.7	25.4	
8	16.9	19.2	14.1	20.6	11.6	21.3	13.9	15.3	13.7	16.4	16.2	11.2	11.3	201.7	15.5	23.7	19.8	21.6	26.1	
9	13.2	19.0	15.8	18.6	12.5	12.8	15.7	15.4	15.5	15.7	16.0	13.4	12.0	195.6	15.0	24.3	20.6	22.6	26.2	
10	14.5	15.1	15.4	19.7	14.7	—	17.4	15.5	14.0	17.7	16.5	15.9	13.3	189.7	15.8	24.8	21.5	23.5	25.4	
上旬	14.4	15.8	15.2	16.9	12.1	(16.1)	14.5	14.9	14.5	17.8	13.5	11.9	12.4	190.0	14.6	22.1	19.3	22.0	23.9	
11	14.8	11.7	16.3	22.4	15.9	10.4	16.1	15.5	11.4	19.5	17.6	17.6	14.7	203.9	15.7	24.7	22.3	23.5	24.1	
12	15.7	12.3	19.0	23.8	17.5	14.2	12.8	16.6	10.3	20.2	16.5	17.9	15.4	212.2	16.3	24.7	23.2	24.0	25.0	
13	16.6	12.7	21.2	19.5	18.5	14.6	13.9	17.1	12.4	18.6	15.6	15.6	15.2	211.5	16.3	18.9	22.2	21.2	26.8	
14	15.5	13.0	18.0	14.6	20.9	13.9	16.6	18.6	14.1	15.8	17.2	14.4	15.6	208.2	16.0	16.8	21.5	18.5	25.9	
15	17.1	14.4	16.5	13.6	21.9	16.6	20.0	19.0	15.2	16.3	19.3	13.4	14.3	217.6	16.7	18.9	22.3	18.5	26.0	
16	15.7	18.0	15.9	13.9	20.9	18.6	21.6	18.9	15.6	19.2	17.8	14.4	11.8	222.3	17.1	18.6	22.3	20.1	25.9	
17	14.2	17.5	14.7	11.6	19.5	19.8	20.2	18.1	16.4	19.8	16.4	13.2	12.9	214.3	16.5	19.4	23.4	22.4	26.9	
18	12.3	16.1	15.2	11.7	17.2	21.6	19.8	21.3	17.1	21.1	16.5	13.8	13.7	217.4	16.7	20.5	21.9	24.8	26.7	
19	13.4	15.4	14.5	13.6	19.1	21.6	20.6	22.4	18.4	23.1	18.8	13.9	14.0	228.8	17.6	21.2	23.9	24.8	27.5	
20	15.6	16.6	15.0	16.2	18.7	21.3	22.4	22.9	18.6	25.1	20.6	13.6	16.3	242.9	18.7	21.6	25.2	23.6	27.4	
中旬	15.1	14.8	16.6	16.1	17.0	17.3	18.4	19.0	15.0	19.9	17.6	14.8	14.4	218.0	16.8	20.5	22.8	22.1	26.2	
21	15.5	16.1	17.3	17.3	20.8	19.6	23.6	16.6	20.3	22.4	21.7	12.5	17.1	240.8	18.5	23.3	25.7	20.7	27.4	
22	16.8	10.8	18.7	17.4	21.6	19.5	23.3	15.5	21.9	21.5	23.4	13.8	18.7	242.9	18.7	25.4	26.3	19.7	25.9	
23	17.4	10.2	18.1	17.5	21.9	20.4	21.1	19.1	22.9	21.5	19.7	16.6	17.2	243.6	18.7	26.2	23.1	18.4	27.7	
24	17.7	13.9	19.1	18.9	18.2	18.1	15.8	21.6	24.3	15.3	17.2	17.0	14.7	231.8	17.8	25.1	23.7	20.4	28.1	
25	18.5	15.7	16.6	19.6	18.4	17.7	15.6	21.2	23.2	16.4	18.0	19.3	15.4	235.6	18.1	22.7	24.6	21.0	27.6	
26	15.6	14.5	17.1	18.4	17.1	20.1	16.2	19.7	20.0	19.4	18.2	17.2	16.8	230.3	17.7	23.8	26.1	23.4	27.4	
27	14.3	15.4	18.3	18.4	18.5	21.7	15.9	19.5	18.1	20.9	18.3	18.9	14.3	232.5	17.9	25.3	26.6	25.9	26.0	
28	17.1	16.5	18.3	18.5	21.3	20.6	16.9	16.8	20.3	22.9	18.2	18.0	15.5	240.9	18.5	23.9	26.7	27.5	27.0	
29	18.6	17.7	18.2	19.1	21.7	21.2	18.7	17.6	22.4	23.9	19.8	15.1	15.5	249.5	19.2	22.6	25.6	27.0	26.3	
30	20.2	19.8	18.9	21.4	20.9	20.6	20.7	19.5	23.0	21.5	21.4	15.8	17.4	261.1	20.1	21.5	24.9	26.0	27.5	
31																23.1	26.3	23.1	26.0	
下旬	17.2	15.1	18.1	18.7	20.0	20.0	18.8	18.7	21.6	20.6	19.6	16.4	16.3	241.1	18.5	23.9	25.4	23.0	27.0	
月	15.6	15.2	16.6	17.2	17.0	(17.8)	17.2	17.5	17.0	19.4	16.9	14.3	14.3	216.0	16.6	22.3	22.6	22.4	25.7	

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	五 月										月		六 月							
	1956	1957	1958	1959	1960	1961	1962	1963	1964	合計	13年 平均		1951	1952	1954	1955	1956	1957	1958	1959
1	18.4	18.9	20.2	22.9	21.9	22.2	21.9	17.3	18.8	266.8	20.5		24.0	27.3	19.2	25.0	28.8	29.0	22.9	27.8
2	20.1	16.9	19.7	21.4	24.3	25.4	23.7	19.0	20.4	275.6	21.2		26.1	28.7	21.4	25.9	26.1	27.6	24.5	29.2
3	19.0	17.5	20.8	18.8	25.5	20.4	22.2	19.8	20.1	268.0	20.6		24.2	29.5	22.8	28.3	19.9	25.0	23.7	25.4
4	17.9	17.9	22.0	19.8	23.3	19.1	22.6	20.1	21.3	264.8	20.4		24.4	29.5	22.2	29.4	23.3	22.7	22.2	20.7
5	17.9	19.5	22.8	20.4	19.2	23.3	21.9	17.6	23.3	271.1	20.9		25.6	29.7	22.1	30.3	24.5	23.4	23.8	19.4
6	17.1	21.2	22.9	18.9	14.7	26.1	23.2	18.8	23.9	273.6	21.0		27.0	30.9	23.0	30.0	24.5	23.9	25.7	22.9
7	18.9	22.9	22.4	16.6	13.2	24.5	23.1	22.3	23.5	275.4	21.2		28.5	28.5	21.7	30.6	26.1	26.2	27.7	24.6
8	21.9	24.7	22.6	18.3	13.0	26.2	23.4	21.1	24.0	286.4	22.0		27.4	24.9	22.8	30.5	24.8	25.3	27.8	26.8
9	21.4	25.5	20.5	18.3	14.2	25.5	23.1	19.9	19.2	281.3	21.6		28.5	25.7	23.9	30.7	25.7	23.4	25.9	25.6
10	21.3	23.7	15.0	17.2	17.3	24.2	24.3	21.8	19.4	279.4	21.5		28.8	28.4	25.9	31.9	24.1	20.9	26.3	23.4
上旬	19.4	20.9	20.9	19.3	18.7	23.7	22.9	19.8	21.4	274.3	21.1		26.5	28.3	22.5	29.3	24.8	24.7	25.1	24.6
11	20.7	22.9	13.4	18.6	18.6	22.7	24.6	24.1	21.8	282.0	21.7		29.1	28.7	26.1	32.8	25.2	23.3	28.9	24.6
12	21.6	23.3	15.3	20.7	19.1	24.0	24.5	21.3	24.5	291.0	22.4		29.4	28.3	27.0	31.5	27.7	26.3	30.3	24.4
13	22.3	23.3	14.7	22.7	19.0	28.0	22.0	19.7	24.3	285.1	21.9		30.3	28.3	28.1	30.4	27.0	27.2	28.7	25.9
14	22.0	24.1	15.5	22.4	18.8	25.4	23.3	20.2	22.6	277.0	21.3		30.7	27.9	28.3	31.6	27.0	26.5	29.2	27.3
15	22.6	24.7	18.6	23.7	21.6	22.0	24.4	20.1	20.8	284.2	21.9		31.1	29.9	26.4	31.5	26.2	25.8	30.9	28.1
16	23.2	22.8	21.2	24.6	22.8	24.6	22.7	22.8	17.9	289.5	22.3		31.5	28.3	27.0	29.8	24.9	26.8	30.6	27.0
17	24.6	23.5	22.1	22.0	21.7	27.9	23.4	24.6	16.5	298.4	23.0		32.2	29.5	26.9	30.9	23.3	28.4	31.2	27.5
18	25.4	25.3	24.0	23.1	21.5	28.0	24.6	24.5	16.8	307.1	23.6		31.9	29.6	27.0	31.5	23.3	30.1	32.0	28.6
19	26.7	27.3	25.7	23.2	22.4	29.6	25.6	21.9	18.9	318.7	24.5		32.6	30.3	27.9	32.0	23.0	29.0	32.0	28.9
20	27.6	27.2	24.4	22.9	23.1	27.3	27.5	22.2	20.5	320.5	24.7		33.9	30.4	29.2	32.4	23.7	24.5	31.3	29.9
中旬	23.7	24.4	19.5	22.4	20.9	26.0	24.3	22.1	20.4	295.3	22.7		31.3	29.1	27.4	31.4	25.1	26.8	30.5	27.2
21	26.3	28.3	25.5	17.9	23.8	22.9	28.6	24.8	22.5	317.7	24.4		29.8	30.6	29.8	33.3	22.3	25.0	30.6	29.7
22	25.3	27.1	26.6	20.0	24.3	23.0	29.6	21.0	23.2	316.4	24.3		24.8	31.0	26.4	33.6	20.7	26.4	31.0	30.7
23	26.2	25.7	25.6	22.5	25.1	26.1	28.1	14.9	23.4	313.0	24.1		22.4	31.4	25.0	33.1	23.7	28.7	31.7	32.6
24	21.2	26.6	26.0	22.9	26.9	28.6	27.4	15.0	20.4	312.3	24.0		21.4	31.8	23.5	32.1	23.2	29.5	32.5	32.4
25	21.0	27.0	28.3	24.4	26.7	30.2	28.9	15.3	20.4	318.1	24.5		25.0	30.8	24.0	33.9	22.6	30.4	32.6	32.5
26	23.8	28.6	28.6	25.8	27.5	30.8	29.0	17.5	20.9	333.2	25.6		26.1	32.4	25.0	34.5	22.6	30.9	34.1	31.2
27	25.8	27.7	29.5	26.5	25.7	26.0	26.5	20.5	22.2	334.2	25.7		27.5	30.1	26.4	34.0	22.4	30.9	34.0	32.7
28	25.3	28.5	30.0	27.4	24.5	27.0	26.2	20.0	24.8	338.8	26.1		29.1	28.0	26.2	34.9	22.6	31.3	35.3	28.6
29	25.5	29.0	30.6	27.4	25.7	29.2	26.6	19.7	25.2	340.4	26.2		27.3	25.1	25.9	35.3	24.0	31.3	33.6	25.2
30	24.5	27.4	30.6	27.0	26.7	30.3	28.5	22.3	26.7	343.9	26.5		26.3	26.9	27.6	35.1	25.8	29.6	28.4	23.9
31	27.4	27.6	24.0	27.1	26.1	30.9	28.2	23.3	26.3	339.4	26.5									
下旬	24.8	27.6	27.8	24.4	25.7	27.7	27.9	19.5	23.3	328.0	25.2		26.0	29.8	26.0	34.0	23.0	29.4	32.4	30.0
月	22.7	24.4	22.9	22.1	21.9	25.9	25.1	20.4	21.8	300.2	23.1		27.9	29.1	25.5	31.6	24.5	27.6	29.3	27.2

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	六 月					七 月												八 月				
	1960	1961	1962	1963	1964	1951	1952	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
1	26.5	31.2	26.6	21.9	27.7	27.4	25.3	28.8	34.1	26.3	30.9	28.5	26.3	29.8	25.9	31.5	33.3	28.9				
2	27.6	30.7	26.9	22.1	26.0	27.8	25.4	29.9	27.1	27.8	31.3	29.4	29.1	27.5	28.0	31.0	30.0	30.6				
3	28.7	28.7	28.1	21.7	26.2	23.7	26.0	28.8	25.1	27.3	32.4	32.1	30.4	28.9	30.5	31.8	28.2	32.7				
4	28.6	28.5	29.0	22.9	27.1	20.5	27.7	28.6	25.0	25.8	34.1	30.5	31.4	29.3	32.5	32.8	29.1	29.6				
5	29.4	28.9	29.1	23.9	28.1	21.4	27.2	30.6	25.9	26.7	33.5	32.5	29.2	27.7	33.5	33.4	29.3	28.5				
6	27.3	30.4	28.6	24.0	28.2	23.0	26.4	28.5	29.2	28.1	28.7	29.2	29.4	28.6	34.2	34.0	24.6	27.4				
7	28.1	31.1	27.9	23.4	29.3	24.4	25.4	29.3	31.0	26.4	27.0	27.9	30.6	30.5	33.5	32.3	23.8	29.2				
8	29.8	27.8	29.1	23.3	29.4	26.2	28.0	29.0	29.8	26.6	27.2	28.6	27.4	31.0	32.9	30.3	27.0	33.8				
9	30.1	30.4	28.2	23.9	28.0	27.7	24.6	28.4	26.9	29.3	25.8	28.7	26.3	31.3	32.0	31.8	26.6	35.0				
10	29.6	32.5	29.2	24.9	28.7	27.7	25.9	27.7	27.9	31.0	26.0	28.2	28.7	29.9	31.6	33.3	27.1	33.8				
上旬	28.6	30.0	28.3	23.2	27.9	25.0	26.2	29.0	28.2	27.5	29.7	29.6	28.9	29.5	31.5	32.2	27.9	31.0				
11	25.9	33.7	30.5	26.7	30.1	27.7	26.8	26.1	28.2	31.0	27.2	29.8	32.5	27.5	32.7	33.8	25.4	31.7				
12	26.7	33.5	31.3	27.7	29.2	26.2	27.1	26.1	26.5	31.0	27.6	26.1	20.6	29.4	31.7	34.1	26.9	29.0				
13	28.3	31.3	29.9	28.1	29.4	28.8	26.4	25.9	27.3	31.2	27.5	24.9	30.5	31.4	27.7	31.7	29.2	25.4				
14	28.8	29.2	28.6	27.6	29.5	28.8	26.7	26.7	28.5	31.2	27.8	25.2	32.4	33.3	27.6	32.2	31.4	26.4				
15	29.9	29.5	28.6	27.5	28.9	30.0	28.2	25.4	29.0	31.4	29.1	26.6	32.2	28.1	30.0	30.4	31.2	28.2				
16	31.0	29.4	29.2	24.1	28.1	30.1	29.3	24.9	29.9	32.7	26.9	27.9	32.2	28.9	30.8	27.2	32.1	29.3				
17	30.7	28.3	29.6	24.6	29.4	28.9	30.4	25.6	31.1	32.9	25.4	27.9	32.8	30.5	30.8	28.9	32.5	26.3				
18	28.8	25.5	28.4	26.2	29.4	26.4	30.6	26.5	32.1	33.0	22.0	28.6	33.0	32.2	29.1	29.4	32.8	27.5				
19	30.7	28.1	24.6	27.4	29.6	27.7	31.6	27.5	33.2	33.4	21.1	29.3	33.3	32.1	30.0	29.4	31.8	28.7				
20	31.0	29.3	26.2	28.0	30.2	28.6	32.3	26.3	33.0	34.9	24.5	31.8	32.7	32.1	30.3	31.4	32.2	28.9				
中旬	29.2	29.8	28.7	26.8	29.4	28.3	28.9	26.1	29.9	32.3	25.9	27.8	32.2	30.6	30.1	30.9	30.6	28.1				
21	31.7	30.0	28.5	26.8	30.3	28.7	31.9	25.9	32.8	36.1	26.7	34.3	30.6	30.6	28.4	31.9	33.0	29.7				
22	32.0	30.9	30.5	27.0	31.0	28.7	30.2	27.1	33.3	30.8	28.3	34.0	31.0	30.6	27.7	28.9	30.1	28.4				
23	31.8	32.5	29.0	27.7	31.4	28.6	27.9	27.3	34.3	30.9	28.8	31.1	31.8	27.0	30.7	26.6	29.9	29.2				
24	32.1	32.1	27.6	29.3	32.1	27.5	28.1	26.3	34.1	31.5	28.4	31.3	31.2	27.6	31.4	28.6	31.0	29.7				
25	29.5	30.8	27.4	29.6	30.8	28.9	29.4	26.8	34.6	31.7	28.1	27.8	29.0	28.5	30.4	26.5	30.0	26.2				
26	27.8	26.3	28.1	30.8	32.1	30.2	25.4	27.6	34.8	31.9	29.5	28.7	29.4	29.1	30.5	28.0	30.4	26.1				
27	26.5	26.7	25.5	30.6	32.4	27.7	27.9	28.1	34.4	33.4	28.7	32.5	30.2	27.5	31.2	26.6	30.7	24.1				
28	29.0	25.4	28.1	29.2	32.3	28.1	29.2	28.1	33.7	34.2	28.8	34.3	31.4	22.5	29.7	27.0	29.7	24.9				
29	30.5	26.7	30.5	30.4	32.1	26.3	30.4	28.0	30.5	31.8	29.9	33.8	32.5	23.7	31.0	29.9	30.3	27.4				
30	28.7	27.9	31.4	32.1	28.8	25.9	30.8	25.3	33.0	28.2	29.9	34.5	33.0	26.5	32.4	30.2	31.2	27.5				
31						27.5	28.5	24.6	33.8	27.1	29.7	32.7	34.2	28.1	32.8	29.4	31.7	25.0				
下旬	30.0	28.9	28.7	29.4	31.3	28.0	29.1	26.8	33.6	31.6	28.8	32.3	31.3	27.4	30.6	28.5	30.7	27.1				
月	29.2	29.6	28.5	26.5	29.6	27.1	28.1	27.3	30.6	30.5	28.1	29.9	30.8	29.1	30.7	30.5	29.8	28.7				

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	八 月														九 月					
	1951	1952	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1951	1952	1954	1955	1956	1957	
1	25.1	24.4	25.0	33.1	26.7	30.7	32.2	33.6	29.9	33.2	28.8	30.8	24.1	24.5	26.9	23.5	26.2	25.1	24.1	
2	26.2	24.8	25.5	31.6	25.6	32.6	27.5	29.3	28.9	30.6	29.9	28.3	25.6	22.9	27.0	22.4	27.3	26.3	23.2	
3	28.0	27.0	24.1	27.8	25.2	33.2	23.9	29.8	27.6	30.1	31.4	25.7	26.3	22.3	25.7	21.4	28.7	27.8	23.6	
4	29.3	27.4	22.9	26.9	26.3	29.7	25.4	31.0	28.6	32.5	32.3	26.3	27.7	23.1	26.0	21.9	29.0	27.2	23.6	
5	29.5	27.6	25.2	28.8	27.7	30.6	27.6	31.3	28.7	33.6	27.8	26.1	28.8	23.4	27.1	23.8	29.2	24.5	25.8	
6	27.2	28.4	26.1	31.4	29.8	31.9	28.1	31.7	29.3	31.7	28.3	25.6	30.0	21.0	25.1	23.0	28.0	24.9	25.9	
7	27.4	28.2	25.4	32.4	31.1	32.3	31.0	32.5	30.5	30.8	27.9	25.3	30.0	19.9	24.0	23.3	23.0	25.5	27.2	
8	30.2	28.1	25.8	33.7	31.1	31.7	32.7	31.9	29.9	30.0	28.1	24.3	30.1	21.5	24.7	23.2	22.9	25.8	26.0	
9	30.8	25.9	26.3	33.8	31.1	32.1	32.4	31.4	25.4	29.2	29.1	24.3	28.2	21.3	25.2	23.4	24.1	26.3	26.6	
10	29.5	26.6	26.3	34.1	28.7	32.1	31.1	32.3	25.0	29.9	29.9	25.1	28.3	21.9	25.3	23.4	23.0	27.3	26.6	
上旬	28.3	26.8	25.3	31.4	28.3	31.7	29.2	31.5	28.4	31.2	29.4	26.2	27.9	22.2	25.7	22.9	26.1	26.1	25.3	
11	29.3	25.9	27.6	34.1	26.0	32.7	25.7	31.5	23.9	29.1	29.7	26.6	28.6	22.5	22.8	23.2	20.9	25.8	25.7	
12	30.1	27.2	28.1	33.2	25.8	33.1	20.4	27.9	24.1	28.7	29.4	27.5	27.7	21.7	22.9	22.8	23.1	25.0	24.6	
13	28.8	28.7	25.4	28.1	25.6	33.8	22.3	25.7	25.4	28.0	31.5	29.0	28.7	21.3	23.4	23.4	23.6	25.1	24.0	
14	29.9	25.2	27.2	26.7	25.1	30.6	23.8	28.2	24.7	24.4	30.2	29.1	30.1	20.5	23.8	23.1	23.2	26.5	24.0	
15	30.2	24.0	28.4	27.4	23.0	28.8	25.1	29.9	24.2	26.0	25.0	28.1	27.5	19.0	24.1	22.9	22.2	27.1	24.4	
16	29.6	24.6	29.0	27.7	23.4	30.2	26.0	29.9	25.5	27.3	24.6	27.2	26.9	20.8	23.7	22.6	22.0	26.5	24.0	
17	29.0	24.4	27.9	28.3	24.9	30.3	24.8	28.8	27.5	27.0	24.0	27.9	25.4	21.2	22.1	21.0	21.6	26.7	25.0	
18	29.1	25.7	25.4	30.0	23.9	30.3	24.7	31.6	28.4	26.4	21.2	27.8	24.5	18.7	23.0	20.5	22.3	25.7	24.2	
19	29.4	26.5	23.7	29.9	23.6	31.0	26.5	30.2	29.8	27.2	23.4	28.3	25.0	18.2	23.4	20.7	22.6	25.4	25.8	
20	29.1	25.5	25.2	28.0	25.6	30.8	25.5	28.0	28.4	27.5	25.7	26.9	25.6	18.6	21.4	21.1	22.3	25.7	26.4	
中旬	29.5	25.8	26.8	29.3	24.7	31.2	24.5	29.2	26.2	27.2	26.5	27.8	27.0	20.2	23.1	22.1	22.4	26.0	24.8	
21	27.4	26.4	25.9	27.2	26.5	31.2	26.3	26.8	23.5	29.5	27.1	25.6	27.0	18.5	21.6	22.3	21.2	26.1	27.5	
22	28.2	26.2	26.2	27.2	26.9	32.5	26.4	29.2	24.6	31.6	29.5	25.6	28.3	20.6	21.8	21.2	21.9	26.4	26.9	
23	28.6	25.9	25.6	27.4	27.6	32.5	25.8	31.1	25.1	30.8	28.3	26.3	28.9	21.5	23.4	20.9	22.7	26.6	25.5	
24	28.8	25.6	26.3	28.2	29.3	32.8	25.2	30.9	25.6	29.6	28.9	26.9	28.8	20.9	19.3	20.6	22.4	26.9	21.8	
25	28.2	24.7	26.7	28.0	27.2	29.8	25.4	26.2	25.8	30.0	27.4	27.3	29.8	20.4	18.4	19.9	19.8	25.2	20.8	
26	29.3	25.4	26.6	30.1	24.4	28.9	27.0	28.5	25.4	29.2	26.1	28.1	30.4	19.9	18.8	19.6	19.5	22.4	20.9	
27	25.2	25.5	26.5	29.2	24.4	31.0	27.0	29.1	24.6	28.7	27.4	29.1	29.8	18.2	17.7	19.5	19.3	22.9	21.7	
28	23.9	25.5	26.0	26.5	24.8	30.0	24.7	29.1	25.3	27.6	28.5	30.3	28.3	17.9	18.8	18.0	19.6	24.3	22.8	
29	25.8	25.2	23.4	24.0	25.3	28.9	26.0	27.3	26.6	24.7	27.6	27.1	28.7	18.5	19.1	18.5	19.8	23.5	22.3	
30	26.0	25.1	21.7	24.9	24.7	26.5	25.8	28.5	28.1	25.3	27.2	26.2	26.9	16.7	21.1	18.6	—	24.9	20.8	
31	25.8	26.1	23.6	25.9	24.4	24.6	26.4	27.2	27.6	27.3	27.1	26.7	24.8							
下旬	27.0	25.6	25.3	27.1	26.0	29.9	26.0	28.5	25.7	28.6	27.7	27.2	28.3	19.3	20.0	19.9	(20.7)	24.9	23.1	
月	28.2	26.0	25.8	29.2	26.3	30.9	26.5	29.7	26.7	29.0	27.9	27.1	27.8	20.6	22.9	21.7	(23.1)	25.6	24.4	

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	九 月							十 月													
	1958	1959	1960	1961	1962	1963	1964	1951	1952	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963		
1	27.4	26.2	28.8	28.3	28.6	25.7	24.4	16.9	20.0	18.8	19.2	23.1	21.4	19.2	21.2	17.0	17.1	18.2	20.5		
2	27.4	26.2	26.0	28.5	29.5	24.4	24.6	17.7	19.2	19.2	19.1	18.9	22.4	18.9	22.0	16.2	16.9	20.4	18.9		
3	28.2	27.2	23.4	24.5	28.6	23.1	24.9	19.2	19.2	17.2	19.1	17.1	22.2	17.9	20.3	17.5	16.6	18.4	19.8		
4	25.8	28.2	25.6	24.6	28.5	24.0	23.9	20.2	19.4	14.9	18.1	17.4	22.3	20.1	20.8	16.9	18.0	18.4	18.9		
5	26.5	28.1	23.7	25.3	28.5	22.5	23.2	20.5	20.2	13.2	15.3	19.1	22.4	—	21.2	18.3	18.4	19.1	18.0		
6	27.7	26.1	24.1	25.1	27.9	21.0	22.7	20.8	19.7	12.5	14.2	19.8	19.9	21.4	21.7	18.5	19.9	18.6	17.4		
7	28.0	25.4	25.8	25.5	27.7	19.5	22.2	21.1	19.7	13.1	13.4	19.6	20.6	22.0	21.6	18.5	21.6	17.7	17.6		
8	28.1	24.6	27.2	25.1	27.5	22.1	23.7	21.2	19.5	14.3	12.9	19.9	20.9	22.3	21.9	18.8	21.0	17.1	18.2		
9	28.1	24.7	26.6	24.4	28.3	23.5	25.0	21.5	17.4	14.7	13.3	19.0	20.4	21.7	22.9	19.7	20.3	15.7	19.1		
10	28.1	25.1	27.8	24.8	29.1	23.1	26.3	20.8	14.8	13.9	14.0	17.7	21.0	20.6	21.2	21.1	19.7	17.3	18.7		
上旬	27.5	26.2	25.9	25.6	28.4	22.9	24.1	20.0	18.9	15.2	15.9	19.2	21.4	(20.5)	21.5	18.3	19.0	18.1	18.7		
11	28.1	26.1	27.3	25.1	24.8	24.1	25.0	20.8	14.0	14.0	15.2	16.5	21.6	19.2	20.7	20.7	17.2	18.0	18.3		
12	27.9	25.8	27.6	22.7	25.0	24.2	24.1	18.6	14.7	14.2	13.8	15.9	20.8	18.0	17.2	19.6	15.8	17.3	18.7		
13	28.6	26.4	25.8	22.4	26.8	24.2	22.2	18.4	14.8	13.9	14.9	16.9	20.4	16.1	16.4	19.3	15.6	13.5	17.3		
14	29.9	23.7	23.9	22.8	27.3	24.9	20.8	18.6	15.8	15.4	14.0	16.5	21.1	14.0	17.9	15.9	16.2	11.2	17.3		
15	27.5	22.7	23.8	23.0	23.8	23.4	21.4	19.1	15.3	14.5	12.9	16.0	21.5	13.4	18.7	14.3	16.8	11.6	18.4		
16	24.7	23.7	23.4	22.9	23.8	21.7	22.3	17.7	14.7	14.5	13.4	16.7	20.3	11.5	18.7	13.1	16.4	13.1	16.4		
17	25.4	24.4	24.1	22.0	25.1	20.8	22.1	17.7	15.1	14.7	15.4	17.6	16.0	13.8	19.1	12.8	15.4	12.7	14.8		
18	24.7	23.4	24.2	22.6	24.8	19.5	20.0	17.9	16.5	14.2	13.4	17.2	15.6	14.1	19.1	13.5	14.7	13.6	14.4		
19	25.1	23.4	24.6	20.4	26.8	18.0	20.5	14.2	17.2	15.1	13.7	16.1	16.2	14.3	19.0	13.0	14.4	14.7	14.5		
20	25.9	21.4	25.7	18.6	25.9	20.6	20.6	12.0	15.9	13.5	13.2	15.8	15.4	16.3	19.9	14.1	13.6	15.3	14.0		
中旬	26.8	24.1	25.0	22.3	25.4	22.1	21.9	17.5	15.4	14.4	14.0	16.5	18.9	15.1	18.7	15.6	15.6	14.1	16.4		
21	26.1	20.8	25.7	20.2	25.7	19.7	20.2	12.7	12.9	13.1	13.5	17.2	15.7	12.9	19.7	15.1	14.2	14.3	13.6		
22	25.9	22.1	26.3	20.8	23.5	19.7	19.1	14.4	12.7	13.3	14.0	16.5	16.7	11.2	20.0	16.1	13.3	14.7	14.4		
23	25.7	23.1	27.0	20.3	20.3	20.8	19.1	13.9	13.3	14.0	13.9	16.1	16.6	11.1	17.1	17.2	12.5	14.3	16.4		
24	25.8	23.2	23.1	20.1	17.7	19.7	20.6	12.1	13.0	13.5	13.8	14.8	15.0	12.8	13.8	16.7	13.0	14.0	15.2		
25	26.2	21.2	19.1	22.1	16.2	19.5	21.1	11.8	12.1	13.9	13.5	13.7	16.1	11.5	14.2	10.4	14.4	13.5	13.8		
26	27.1	19.0	20.2	22.9	14.2	20.0	20.6	10.9	11.6	14.3	14.5	11.2	15.9	9.9	13.2	9.4	14.1	13.5	14.0		
27	22.8	19.0	19.2	21.9	17.1	20.5	20.7	10.7	12.8	14.6	14.3	12.8	14.4	10.6	14.5	10.3	13.9	12.8	15.6		
28	19.8	19.9	16.6	21.0	18.2	21.0	21.0	11.2	13.6	12.5	14.5	14.7	12.1	11.6	14.4	10.2	12.6	14.7	15.5		
29	19.6	21.2	17.1	19.0	16.4	20.2	21.1	11.7	13.2	12.7	14.4	16.1	11.5	12.6	13.3	11.4	11.2	13.7	14.4		
30	18.3	21.0	18.2	16.9	16.9	21.0	20.9	12.3	13.7	12.2	11.7	13.6	11.5	11.7	14.0	12.8	12.8	13.9	18.9		
31								12.1	12.0	12.0	11.4	13.2	12.0	12.1	12.7	13.6	12.5	14.6	18.4		
下旬	23.7	21.1	21.3	20.5	18.6	20.2	20.4	12.2	12.8	13.3	13.6	14.5	14.3	11.6	15.2	13.0	13.1	14.0	14.6		
月	26.0	23.8	24.0	22.8	24.1	21.7	22.1	16.4	15.6	14.2	14.4	16.7	18.1	(15.4)	18.3	15.5	15.8	15.4	16.5		

历年各月逐日10厘米平均地温(摄氏度)

安 阳

月 日	十 月			一 月																
	1964	合计	13年 平均	1951	1952	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	合计	13年 平均		
1	20.0	252.6	19.4	10.7	11.1	11.5	12.1	13.3	12.6	11.9	12.7	11.0	13.0	13.9	13.7	10.8	158.3	12.2		
2	19.1	248.9	19.1	10.1	11.5	11.1	11.6	13.6	13.0	12.2	12.0	10.4	12.4	12.5	13.4	9.2	153.0	11.8		
3	19.9	244.4	18.8	11.1	11.9	12.4	10.1	13.2	12.9	12.1	12.0	9.8	11.9	10.6	12.2	10.4	150.6	11.6		
4	19.2	244.6	18.8	9.4	12.3	14.2	11.1	11.3	11.5	11.7	13.4	9.9	10.7	8.2	12.8	10.5	147.0	11.3		
5	18.4	224.1	18.7	7.7	11.0	14.2	9.7	11.0	11.3	10.1	11.5	10.2	10.6	8.5	14.2	11.1	141.1	10.9		
6	17.7	242.1	18.6	8.7	9.9	15.7	8.3	9.8	11.4	11.0	11.3	10.9	11.6	12.0	14.2	11.5	146.3	11.3		
7	19.3	245.8	18.9	7.9	9.5	15.0	7.5	10.4	10.7	9.1	10.5	11.8	11.8	11.7	12.2	11.3	139.4	10.7		
8	17.9	245.9	18.9	7.4	9.7	15.9	8.0	11.2	12.9	10.1	5.4	10.4	10.4	11.9	8.0	10.6	131.9	10.1		
9	16.1	241.8	18.6	7.9	10.6	14.9	8.8	10.7	12.2	9.9	5.3	8.0	9.4	10.0	8.1	10.8	126.6	9.7		
10	15.9	236.7	18.2	8.2	10.3	13.9	8.1	9.5	12.3	10.0	5.8	8.2	9.8	9.9	9.0	10.8	125.8	9.7		
上旬	18.4	245.1	18.9	8.9	10.8	13.9	9.5	11.4	12.1	10.8	10.0	10.1	11.2	10.9	11.8	10.7	142.1	10.9		
11	16.8	233.0	17.9	10.1	10.5	12.4	7.9	7.4	10.8	8.3	6.6	8.4	10.8	10.2	9.1	9.5	122.0	9.4		
12	17.5	222.1	17.1	9.2	6.6	14.1	9.3	6.5	10.1	7.2	6.7	8.6	11.4	9.5	10.1	7.7	117.0	9.0		
13	18.8	216.3	16.6	10.4	4.2	11.8	10.1	6.8	10.0	5.0	6.2	7.9	11.0	10.6	10.0	6.7	110.7	8.5		
14	19.0	212.9	16.4	11.1	4.7	11.0	11.6	7.7	9.3	5.8	8.0	7.5	11.5	10.1	9.0	6.8	114.7	8.8		
15	19.6	212.1	16.3	9.9	5.6	11.7	9.6	7.2	11.4	5.8	8.0	8.0	12.5	9.8	9.4	7.3	116.2	8.9		
16	19.0	205.5	15.8	9.5	6.2	9.5	5.1	6.5	12.8	6.4	6.9	9.3	12.2	8.8	10.3	8.0	111.5	8.6		
17	15.1	200.2	15.4	11.1	6.2	8.3	4.8	7.1	11.5	7.0	8.8	9.0	12.1	9.7	10.5	9.8	116.5	9.0		
18	13.4	197.6	15.2	10.7	6.0	7.4	5.0	7.1	11.6	7.0	7.2	10.5	11.7	7.4	12.3	10.0	113.9	8.8		
19	13.6	196.0	15.1	9.7	3.9	6.9	4.4	7.5	11.7	5.3	7.0	9.2	9.9	4.6	11.1	8.2	99.4	7.6		
20	15.3	194.3	14.9	9.2	4.3	8.0	6.9	6.8	8.4	5.5	7.2	11.9	7.9	3.7	10.6	9.1	99.5	7.7		
中旬	16.8	209.0	16.1	10.1	5.8	10.1	7.5	7.1	10.8	6.3	7.3	9.0	11.1	8.4	10.3	8.3	112.1	8.6		
21	15.3	190.2	14.6	8.3	4.2	8.0	6.2	6.4	8.5	5.2	5.1	12.2	7.7	2.8	10.3	9.5	94.4	7.3		
22	15.8	193.1	14.9	3.7	5.0	8.2	6.2	4.1	9.4	5.3	5.1	8.0	7.3	3.5	9.4	8.4	83.6	6.4		
23	14.7	191.1	14.7	2.9	6.3	8.8	6.4	2.2	9.1	5.3	5.4	3.6	5.4	4.0	8.6	8.8	76.8	5.9		
24	13.4	181.1	13.9	3.6	7.0	8.2	6.8	1.4	6.6	5.6	3.8	2.6	5.6	4.3	8.5	7.7	71.7	5.5		
25	13.2	172.1	13.2	3.8	6.0	5.5	6.9	2.1	6.4	5.7	2.5	2.5	6.2	2.9	6.6	7.1	64.2	4.9		
26	14.5	167.0	12.8	2.0	5.3	4.1	6.1	2.6	8.0	4.4	2.4	1.4	6.6	2.9	4.3	6.7	56.8	4.4		
27	15.1	172.4	13.3	3.6	6.7	5.1	5.5	3.3	7.8	4.4	3.0	0.8	8.4	3.4	4.5	6.2	62.7	4.8		
28	13.7	171.3	13.2	4.4	6.7	3.9	5.1	4.0	4.6	4.9	3.9	1.0	7.8	2.9	4.3	6.0	59.5	4.6		
29	12.9	169.1	13.0	3.5	7.5	4.0	3.5	2.7	4.6	5.6	4.1	2.7	7.7	2.5	4.3	7.4	60.1	4.6		
30	11.8	165.9	12.8	3.3	4.3	3.8	4.6	2.0	5.4	4.3	4.9	2.9	7.4	2.5	3.7	6.4	55.5	4.3		
31	13.6	165.2	12.7																	
下旬	14.0	176.2	13.6	3.9	5.9	6.0	5.7	3.1	7.0	5.1	4.0	3.8	7.0	3.2	6.5	7.4	68.6	5.3		
月	16.3	208.6	16.0	7.6	7.5	10.0	7.6	7.2	10.0	7.4	7.1	7.6	9.8	7.5	9.5	8.8	107.6	8.3		

历年各月逐日10厘米平均地温(摄氏度)

安 阳

林 县

月 日	十 二 月												一 月						
	1951	1952	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1958	1959	1960	1961	1962	1963	1964
1	3.7	2.7	4.4	1.9	4.6	4.1	5.1	2.1	6.4	3.1	4.5	4.5	0.1	0.7	-0.4	-2.3	-0.9	0.0	-1.0
2	4.1	1.5	4.4	1.8	3.7	4.2	3.9	3.0	6.4	3.0	4.5	4.4	-0.1	0.3	-0.2	-0.9	-1.2	0.3	-0.9
3	4.8	0.6	4.4	3.4	3.2	4.4	4.2	2.3	4.5	2.5	3.8	3.7	-0.6	0.2	0.0	-0.6	-1.1	0.5	-1.0
4	4.0	0.1	5.2	4.7	3.3	3.8	3.5	3.0	4.2	3.8	4.4	3.5	-0.2	-0.4	1.2	-1.3	-1.1	0.8	-0.4
5	2.8	-0.3	4.9	2.6	2.9	3.6	4.8	3.4	4.3	2.9	4.7	3.9	-0.1	-1.3	0.3	-0.7	-1.2	0.6	-0.9
6	2.5	-0.5	4.3	4.5	3.0	4.5	3.5	1.6	3.7	3.2	4.4	3.1	1.1	-1.0	-0.3	-0.9	-1.2	0.1	-0.4
7	2.2	-0.4	3.6	2.7	4.1	3.9	3.7	1.1	3.5	3.1	4.1	3.1	1.0	-0.4	-0.1	-1.6	-1.0	-0.3	-0.3
8	2.7	-0.2	2.7	0.5	3.6	4.0	4.3	1.7	3.8	3.0	3.0	2.8	1.4	-0.6	0.0	-0.6	-0.3	-0.6	-0.2
9	2.8	-0.4	3.1	-0.5	4.1	3.9	4.1	3.7	4.8	2.5	2.8	3.1	1.9	-0.4	-0.1	-0.7	-0.4	-0.8	0.2
10	3.9	-0.3	3.4	-0.8	4.8	3.1	4.7	4.2	5.0	3.3	2.4	2.9	0.8	-0.3	0.1	-1.2	-0.3	-0.4	0.6
上旬	3.4	0.3	4.0	2.1	3.7	4.0	4.2	2.6	4.7	3.0	3.9	3.5	0.5	-0.3	0.1	-1.1	-0.9	0.0	-0.4
11	4.3	-0.3	4.6	-0.3	2.7	2.7	5.2	4.5	5.6	3.0	3.5	2.6	1.2	-0.7	0.3	-2.2	-0.4	-0.9	1.0
12	4.5	-0.1	4.9	-0.2	4.7	2.3	5.2	3.6	4.8	3.3	3.4	1.3	1.3	-0.4	-0.1	-2.1	-0.1	-1.2	1.0
13	3.8	0.0	4.9	-0.4	3.7	2.2	4.3	2.3	3.5	5.1	3.4	2.4	1.2	-0.5	-0.4	-1.9	-0.1	-1.3	0.8
14	1.6	0.0	4.5	-1.3	2.9	3.3	3.4	0.8	1.7	3.8	3.4	2.5	1.1	-0.7	-0.3	-1.5	0.0	-1.0	0.2
15	0.9	0.3	4.0	-2.3	3.5	3.5	2.8	0.5	1.9	1.4	3.3	2.2	0.5	-0.2	-0.1	-1.0	0.0	-0.8	0.4
16	0.9	0.2	2.0	-1.5	3.2	4.1	1.7	0.5	2.1	1.3	3.5	2.5	-0.3	-0.4	-0.1	-1.4	0.1	-0.9	0.5
17	3.2	0.2	1.5	-1.1	2.9	4.8	0.9	0.4	3.1	1.2	2.9	2.5	-1.1	-1.0	0.0	-1.6	0.1	-0.5	0.4
18	2.6	0.2	4.1	-2.0	0.2	4.1	0.8	-1.1	3.2	1.5	1.8	1.7	-1.6	-1.1	-0.1	-1.4	0.0	-0.1	0.1
19	2.1	0.0	5.0	-1.9	-0.1	3.8	0.9	-1.9	2.1	1.4	1.9	1.4	-1.5	-1.0	-0.2	-0.8	-0.2	-0.3	-0.1
20	2.4	-0.1	2.6	-0.9	-0.1	2.6	0.8	-1.6	2.1	1.3	1.8	1.3	-0.7	-0.8	-0.1	-1.1	-0.3	-0.3	-0.5
中旬	2.6	0.0	3.8	-1.2	2.4	3.3	2.6	0.8	3.0	2.3	2.9	2.1	0.0	-0.7	-0.1	-1.5	-0.1	-0.7	0.4
21	2.8	-0.1	1.2	-0.9	0.0	2.9	0.6	-1.9	1.8	1.3	1.8	1.4	-1.2	-0.4	-0.3	-0.9	-0.5	-0.8	-0.2
22	3.2	-0.1	-0.2	-1.2	0.1	2.7	0.6	-1.4	1.6	1.6	3.0	2.2	-1.7	-0.7	-1.1	-0.5	-0.5	-0.6	0.0
23	2.2	0.0	-0.1	-1.4	0.7	3.1	0.7	-1.2	2.3	3.3	3.5	2.0	-2.6	-0.6	-2.0	-0.3	-0.7	-0.4	-0.5
24	2.1	-0.1	0.1	-1.8	2.7	3.3	0.3	-1.0	1.7	4.2	1.6	2.4	-1.9	-0.2	-2.5	-0.3	-0.7	-0.7	-1.2
25	3.1	-0.2	0.7	-1.1	2.4	3.2	-0.3	-1.4	1.1	3.3	0.1	1.7	-0.5	-0.1	-1.9	-0.5	-0.8	-0.5	-1.0
26	3.4	-0.2	1.0	-1.8	2.3	3.5	-0.8	-1.7	1.3	2.9	-0.5	1.4	-0.2	-0.1	-1.6	-0.5	-0.6	-0.6	-0.3
27	3.0	-0.2	0.9	-0.4	2.7	1.6	-0.4	-1.6	0.8	2.2	-0.6	1.7	-0.7	0.0	-2.2	-0.2	-0.7	-0.4	-0.2
28	1.6	-0.5	0.4	-1.1	2.5	0.9	-0.2	-1.1	0.3	3.2	-0.4	3.0	-0.6	1.3	-1.5	0.0	-0.3	-0.2	-0.1
29	0.5	-0.2	0.0	-1.4	0.5	2.0	-0.4	-2.1	0.0	3.2	-0.3	1.7	-1.0	2.7	-2.1	1.0	-0.1	0.0	-0.1
30	0.5	0.0	-0.4	-0.2	-0.2	1.3	-0.1	-2.4	-0.1	0.5	-0.3	1.4	-1.1	1.0	-1.4	1.4	-0.4	-0.3	-0.2
31	1.0	-0.1	-	-0.3	-0.3	1.0	-0.5	-2.3	0.1	0.2	-0.3	2.4	-0.9	(0.6)	-1.1	-0.2	-0.7	-0.4	-0.7
下旬	2.1	-0.2	(0.4)	-1.1	1.2	2.3	0.0	-1.6	1.0	2.4	0.7	1.9	-1.1	(0.3)	-1.6	-0.1	-0.5	-0.4	-0.4
月	2.7	0.0	(2.7)	-0.1	2.4	3.2	2.2	0.5	2.8	2.6	2.4	2.5	-0.2	(-0.2)	-0.6	-0.9	-0.5	-0.4	-0.2

历年各月逐日10厘米平均地温(摄氏度)

林 县

月 日	二 月							三 月							四 月						
	1958	1959	1960	1961	1962	1963	1964	1957	1958	1959	1960	1961	1962	1963	1964	1957	1958	1959	1960		
1	-1.1	1.9	-1.1	-0.1	-0.2	-0.5	-1.0	3.0	4.8	5.6	7.1	9.2	5.5	7.4	4.3	12.9	11.9	15.3	10.2		
2	-0.4	2.4	-0.8	0.2	-0.3	-0.4	-1.5	4.2	4.1	6.3	6.2	7.4	5.1	8.7	5.0	12.4	11.3	13.4	11.8		
3	-0.3	3.0	-0.6	0.8	-0.2	-0.7	-1.2	4.1	4.0	6.3	6.2	6.4	6.6	7.2	5.7	14.0	12.8	12.9	13.4		
4	-0.1	2.9	-0.2	1.2	-0.1	-0.6	-0.3	4.9	5.2	6.5	6.7	6.9	8.4	5.9	6.3	18.2	14.9	12.9	13.5		
5	-0.2	3.8	0.4	1.5	0.3	-0.4	-0.9	4.8	4.9	6.9	9.8	7.6	8.2	5.5	6.8	17.8	17.8	13.6	13.3		
6	0.9	3.5	2.0	2.8	1.6	-0.4	-0.4	6.2	5.2	6.3	9.0	7.0	7.0	5.7	6.6	20.0	15.0	13.5	14.6		
7	1.3	2.3	2.8	2.2	1.1	-0.3	-0.3	6.3	7.3	7.4	8.4	6.0	5.8	5.6	5.6	19.3	11.5	15.6	13.9		
8	1.9	2.2	2.9	2.4	2.6	-0.4	-0.3	7.2	7.6	7.5	7.1	6.8	7.9	3.2	6.7	21.4	14.3	15.4	12.9		
9	2.1	2.2	2.9	3.6	2.6	-0.6	-0.2	6.6	9.4	7.5	7.3	8.4	7.4	2.3	6.6	12.0	14.1	16.1	14.8		
10	2.0	1.9	2.2	3.2	4.3	-0.4	-0.3	4.6	10.3	7.6	8.7	8.2	6.9	2.3	7.4	7.7	16.1	15.0	12.1		
中旬	0.6	2.6	1.1	1.8	1.2	-0.5	-0.6	5.2	6.3	6.8	7.7	7.4	6.9	5.4	6.1	15.6	14.0	14.4	13.1		
11	1.2	2.8	1.9	3.7	4.1	-0.1	-0.1	2.5	12.0	6.8	9.4	8.6	9.4	4.2	6.5	11.4	15.3	14.8	8.9		
12	0.4	2.3	1.5	3.2	2.6	-0.2	-0.5	1.7	12.8	7.5	7.9	10.2	10.3	5.8	4.0	14.1	12.1	15.9	8.3		
13	0.7	2.0	3.0	3.5	3.4	-0.2	-0.5	3.4	11.1	7.4	7.1	9.4	11.2	6.4	6.6	13.3	12.5	16.1	10.3		
14	1.3	1.6	2.7	3.0	2.5	-0.1	-0.5	6.2	7.3	8.4	7.7	8.7	13.3	7.2	7.2	12.4	13.8	18.1	12.0		
15	3.1	2.7	4.8	3.7	2.6	0.4	-0.4	7.4	6.3	10.0	8.7	10.6	11.2	7.8	7.3	16.0	17.8	18.1	13.8		
16	3.2	3.2	5.1	4.6	3.0	0.7	-0.4	9.5	6.4	10.1	8.9	(10.4)	9.6	10.4	7.0	17.8	19.8	18.7	13.7		
17	3.8	3.3	5.4	3.8	4.9	1.8	-0.5	9.6	7.7	10.6	9.8	13.2	8.4	11.0	5.1	19.9	19.3	17.3	13.8		
18	4.1	3.1	3.6	3.8	4.7	2.1	-0.6	8.3	7.6	11.0	9.3	11.5	10.0	11.5	4.1	21.6	19.4	19.4	15.5		
19	3.7	2.7	4.0	4.6	4.9	3.2	-1.0	9.6	9.0	9.6	10.3	7.3	8.5	11.7	4.4	20.9	20.3	20.8	17.3		
20	5.0	3.7	6.0	5.3	6.2	2.5	-1.0	9.8	10.3	10.1	11.6	7.5	8.9	13.9	5.8	21.8	21.9	21.3	16.9		
中旬	2.7	2.7	3.6	3.9	3.9	1.0	-0.6	6.8	9.1	9.2	9.1	(9.7)	10.1	9.0	5.8	16.9	17.2	18.1	13.1		
21	7.7	4.2	4.8	5.6	5.9	3.4	-1.0	10.9	11.5	12.1	11.8	9.1	7.9	12.6	5.8	19.2	23.3	16.6	18.5		
22	8.0	5.1	5.2	6.0	5.5	3.5	-0.5	10.4	11.9	11.9	11.0	11.1	7.3	9.2	7.1	17.2	22.7	15.4	19.4		
23	7.4	5.1	6.4	6.7	4.0	4.8	-0.4	12.8	12.3	12.2	9.1	12.4	7.2	9.2	6.1	18.6	20.8	18.0	20.9		
24	7.0	6.3	7.5	6.9	2.9	5.1	-0.5	12.4	12.6	12.6	5.5	12.6	7.6	9.7	6.2	17.3	16.4	19.6	21.5		
25	6.8	5.9	7.8	6.2	4.1	5.6	-0.5	12.9	11.0	14.3	6.8	11.2	8.3	10.9	7.5	16.8	15.0	20.1	21.3		
26	4.5	5.0	5.8	5.6	3.6	5.4	-0.2	12.0	9.6	13.7	9.2	11.4	7.0	12.0	10.1	18.6	15.4	18.9	18.5		
27	3.9	4.8	4.8	8.0	3.3	4.8	-0.3	11.4	7.5	14.3	11.3	12.5	10.2	11.3	9.5	20.5	16.3	18.4	15.3		
28	4.5	5.2	5.3	9.0	4.7	6.2	0.4	12.9	8.0	13.4	11.2	13.7	10.4	10.9	13.3	20.0	18.5	16.8	17.3		
29			8.1				2.7	15.9	10.1	11.1	12.0	15.1	9.9	11.8	13.3	20.1	18.5	17.5	19.7		
30								16.8	11.2	11.2	10.1	14.4	10.5	14.9	14.5	20.1	21.6	20.1	21.5		
31								15.2	12.1	13.0	9.8	15.3	13.1	15.6	13.2						
下旬	6.2	5.2	6.2	6.8	4.3	4.9	0.0	13.1	10.7	12.7	9.8	12.6	9.0	11.6	9.7	18.8	18.9	18.1	19.4		
月	2.9	3.4	3.6	4.0	3.0	1.6	-0.4	8.5	8.7	9.6	8.9	(10.0)	8.7	8.7	7.3	17.1	16.7	16.8	15.2		

历年各月逐日10厘米平均地温(摄氏度)

林 县

月 日	四 月						五 月										六 月		
	1961	1962	1963	1964	合 计	8 年 平均	1957	1958	1959	1960	1961	1962	1963	1964	合 计	8 年 平均	1957	1958	1959
1	16.6	13.5	15.1	13.2	108.7	13.6	17.3	21.6	22.4	20.6	20.0	20.4	16.2	18.3	156.8	19.6	29.0	22.6	25.5
2	16.6	9.5	11.6	14.9	101.5	12.7	15.3	20.4	21.2	22.9	22.5	21.9	18.1	19.7	162.0	20.3	28.3	23.5	26.4
3	17.6	9.5	11.2	14.9	106.3	13.3	17.0	21.0	19.3	24.0	18.8	20.9	19.6	19.9	160.5	20.1	25.4	22.9	24.4
4	19.0	10.7	10.4	14.5	114.1	14.3	16.9	22.5	18.8	22.4	17.2	20.9	19.9	20.8	159.4	19.9	23.4	21.5	19.5
5	17.1	11.5	8.4	13.6	113.1	14.1	18.6	22.4	19.1	18.4	20.0	20.1	17.2	22.4	158.2	19.8	21.7	21.5	18.9
6	17.2	12.5	8.9	8.4	110.1	13.8	20.0	23.3	18.0	13.2	22.9	21.2	19.7	22.4	160.7	20.1	21.0	23.0	21.8
7	17.0	14.1	8.3	8.5	108.2	13.5	21.4	22.7	15.7	11.7	22.0	22.0	21.8	22.6	159.9	20.0	23.2	25.3	23.1
8	16.1	13.3	9.7	9.9	113.0	14.1	23.4	21.6	(16.5)	12.1	22.9	22.2	21.2	23.4	163.3	20.4	23.9	25.8	23.5
9	14.9	13.9	12.2	10.3	108.3	13.5	23.9	19.9	16.3	13.4	23.8	22.5	19.0	18.5	157.3	19.7	23.2	24.3	23.4
10	16.9	13.9	14.9	12.8	109.4	13.7	23.4	15.0	16.1	16.1	23.5	24.3	20.9	18.9	158.2	19.8	19.6	24.5	22.0
上旬	16.9	12.2	11.1	12.1	109.4	13.7	19.7	21.0	(18.3)	17.5	21.4	21.6	19.4	20.7	159.6	20.0	23.9	23.5	22.9
11	18.4	15.1	16.6	13.9	114.4	14.3	23.0	13.1	17.1	16.9	21.7	24.2	23.3	21.8	161.1	20.1	22.3	26.6	23.5
12	19.6	15.3	17.5	13.4	116.2	14.5	23.3	14.4	18.8	16.8	22.2	23.6	21.2	23.2	163.5	20.4	25.9	29.2	23.7
13	18.5	13.8	15.1	12.8	112.4	14.1	23.0	14.8	21.6	17.9	24.7	21.2	19.2	22.9	165.3	20.7	26.3	27.3	24.0
14	15.4	15.0	13.1	14.1	113.9	14.2	23.6	15.1	21.3	17.1	24.4	21.9	19.9	21.2	164.5	20.6	25.7	27.2	25.5
15	15.6	17.2	12.2	13.6	124.3	15.5	23.6	16.4	21.5	20.2	21.7	22.7	20.0	19.3	165.4	20.7	24.9	28.2	26.3
16	18.1	16.0	13.9	11.7	129.7	16.2	20.9	18.5	22.5	21.7	22.7	21.9	23.0	16.4	167.6	21.0	25.3	28.2	25.5
17	19.9	15.5	11.7	13.1	130.5	16.3	20.8	19.7	21.0	20.8	25.7	22.8	24.9	16.2	171.9	21.5	25.2	28.5	26.6
18	19.7	14.8	12.7	13.4	136.5	17.1	23.1	21.5	22.7	20.4	25.0	23.2	24.0	16.7	176.6	22.1	28.5	29.6	27.5
19	20.8	16.6	11.8	14.0	142.5	17.8	25.6	24.2	23.0	21.4	25.6	24.9	21.6	17.7	184.0	23.0	30.4	30.0	27.4
20	21.7	18.2	11.9	16.8	150.5	18.8	25.4	23.9	22.5	21.4	25.8	26.1	22.7	19.5	187.3	23.4	25.1	29.7	28.3
中旬	18.8	15.8	13.7	13.7	127.3	15.9	23.2	18.2	21.2	19.5	24.0	23.3	22.0	19.5	170.9	21.4	26.0	28.5	25.8
21	19.4	19.1	11.4	16.5	144.0	18.0	26.7	25.1	18.1	22.0	22.0	24.0	23.9	21.8	186.6	23.3	24.7	28.9	28.5
22	19.1	20.6	13.2	18.5	146.1	18.3	26.1	26.0	19.1	22.4	21.2	27.7	20.8	22.0	185.3	23.2	27.0	29.2	28.6
23	19.6	18.0	15.3	17.6	148.8	18.6	25.3	25.2	21.5	23.2	22.9	27.3	15.1	21.9	182.4	22.8	28.6	28.1	30.0
24	14.0	15.6	15.3	14.9	134.6	16.8	26.2	25.4	23.3	23.6	26.1	26.1	15.4	18.8	184.9	23.1	28.9	29.5	29.5
25	14.5	16.7	18.4	15.1	138.1	17.3	26.2	26.8	23.9	23.5	27.6	27.7	15.2	19.6	190.5	23.8	29.7	29.7	29.5
26	16.6	17.1	16.5	16.2	137.8	17.2	27.5	27.3	24.0	25.2	27.9	27.7	18.2	19.9	197.7	24.7	30.0	31.2	28.3
27	18.3	17.0	18.4	13.5	137.7	17.2	27.4	27.9	24.9	23.4	24.7	26.4	21.0	21.0	196.7	24.6	30.4	31.6	30.0
28	21.1	17.1	15.7	15.4	141.9	17.7	28.9	28.6	26.4	22.1	24.1	25.1	20.7	22.7	198.6	24.8	31.5	32.4	28.2
29	21.7	18.3	14.0	16.0	145.8	18.2	28.4	29.1	26.1	23.5	27.2	24.7	20.0	23.1	202.1	25.3	31.7	31.1	26.4
30	19.5	19.6	14.9	16.8	154.1	19.3	27.7	28.9	25.8	24.7	27.8	26.5	22.8	24.8	209.0	26.1	29.5	26.1	24.0
31							27.7	24.9	25.3	23.8	28.2	27.5	22.7	23.8	203.9	25.5			
下旬	18.4	17.9	15.3	16.1	142.9	17.9	27.1	26.8	23.5	23.4	25.4	26.7	19.6	21.8	194.3	24.3	29.2	29.8	28.3
月	18.0	15.3	13.3	14.0	126.4	15.8	23.5	22.2	(21.2)	20.2	23.6	24.0	20.3	20.7	175.7	22.0	26.3	27.2	25.6

历年各月逐日10厘米平均地温(摄氏度)

林 县

月 日	六 月					七 月										八 月					
	1960	1961	1962	1963	1964	1957	1958	1959	1960	1961	1962	1963	1964	1957	1958	1959	1960	1961	1962	1963	1964
1	24.6	29.8	26.2	22.3	25.3	30.5	26.9	25.1	29.2	25.2	29.2	31.4	27.1	28.3	29.6	32.4	28.4	29.6	26.2	26.2	26.2
2	26.0	29.9	26.0	22.9	23.0	30.4	27.6	27.5	26.2	24.1	28.9	27.6	29.5	30.5	26.2	29.1	28.0	28.1	26.7	26.7	26.7
3	27.4	28.3	26.9	22.1	23.2	31.0	28.7	29.1	27.8	28.3	29.4	27.2	31.0	31.2	23.8	28.6	27.2	28.4	27.8	27.8	27.8
4	26.8	27.2	28.1	23.8	24.4	33.3	28.1	27.8	27.2	29.9	30.5	27.7	27.3	27.8	24.8	28.9	28.3	30.7	28.0	28.0	28.0
5	27.8	27.5	28.2	25.3	25.1	33.3	29.1	25.5	26.4	30.7	31.1	27.0	27.1	28.8	26.1	27.7	28.5	32.0	26.2	26.2	26.2
6	26.3	29.1	28.3	26.0	26.0	28.3	27.3	25.7	27.1	31.4	31.6	24.1	26.2	30.8	26.8	28.2	29.5	32.8	27.1	27.1	27.1
7	27.0	29.4	27.6	24.1	27.4	27.3	27.1	26.5	27.3	31.7	29.9	24.3	26.6	31.1	27.8	29.5	30.5	32.2	27.1	27.1	27.1
8	28.0	27.7	28.0	23.5	27.2	28.3	28.6	25.1	26.2	30.8	27.7	26.6	30.6	30.4	29.7	30.2	29.9	31.6	26.6	26.6	26.6
9	28.4	29.1	27.8	25.2	25.9	26.9	28.5	26.0	26.8	30.4	28.2	26.0	31.3	30.9	29.9	30.5	26.0	29.6	26.6	26.6	26.6
10	28.3	31.6	28.7	27.2	26.2	26.1	27.0	26.6	27.0	29.7	30.2	26.7	30.9	32.1	29.8	31.8	24.9	29.7	26.9	26.9	26.9
上旬	27.1	29.0	27.6	24.2	25.4	29.5	27.9	26.5	27.1	29.2	29.7	26.9	28.8	30.2	27.5	29.7	28.1	30.5	26.9	26.9	26.9
11	24.2	32.9	30.0	28.1	27.6	30.0	27.9	28.5	26.4	30.1	31.5	25.0	30.1	32.1	25.3	31.3	23.9	28.9	28.1	28.1	28.1
12	24.9	32.9	30.8	28.3	27.0	28.7	26.1	27.2	27.7	29.5	31.7	27.4	29.5	31.2	20.1	28.0	24.0	29.6	27.6	27.6	27.6
13	26.8	31.3	27.9	28.3	26.8	27.9	24.8	27.4	29.6	26.6	30.1	29.8	25.8	30.2	21.3	25.4	25.6	27.8	29.1	29.1	29.1
14	27.5	29.1	27.0	28.0	28.1	27.1	25.2	28.4	29.7	26.3	29.2	31.4	26.0	28.6	22.5	25.9	25.0	23.8	29.2	29.2	29.2
15	27.9	29.2	27.8	27.6	26.6	29.6	26.1	29.0	25.7	28.0	27.3	29.6	27.6	29.7	23.7	27.3	24.4	25.7	23.9	23.9	23.9
16	29.5	27.8	27.7	24.6	25.4	26.4	27.0	29.4	26.9	28.7	26.0	31.0	28.7	31.2	24.8	28.5	26.4	26.1	23.8	23.8	23.8
17	29.3	25.9	28.8	25.7	26.6	24.4	26.6	29.7	28.3	28.8	27.7	31.9	25.5	30.6	23.4	27.5	27.2	26.1	23.7	23.7	23.7
18	27.4	24.3	26.1	24.8	26.4	20.9	26.9	28.5	29.8	27.1	26.8	32.2	26.9	30.2	23.2	29.9	28.0	25.2	21.5	21.5	21.5
19	29.2	26.9	23.1	26.3	26.5	20.9	26.6	28.0	29.8	28.8	27.9	31.4	27.9	29.1	24.2	29.0	29.5	26.3	23.5	23.5	23.5
20	29.4	28.6	24.1	28.1	27.7	24.4	28.6	29.1	30.7	28.0	28.4	31.8	27.3	28.9	23.8	27.1	28.2	26.4	24.2	24.2	24.2
中旬	27.6	28.9	27.3	27.0	26.9	26.0	26.6	28.5	28.5	28.2	28.7	30.2	27.5	30.2	23.2	28.0	26.2	26.6	25.5	25.5	25.5
21	29.9	28.7	26.4	26.5	28.5	26.1	30.4	28.7	29.8	26.3	28.0	32.3	28.3	30.0	24.7	26.1	24.0	28.4	25.0	25.0	25.0
22	30.5	29.9	27.9	26.7	28.6	28.2	30.1	29.7	28.8	26.4	26.9	29.0	26.7	32.2	24.3	28.3	24.8	30.9	26.6	26.6	26.6
23	29.7	30.7	26.0	27.0	28.9	28.7	27.8	29.5	26.1	29.7	25.2	29.9	26.9	31.1	23.5	30.0	24.8	30.4	27.6	27.6	27.6
24	29.6	30.9	25.1	29.3	29.8	26.8	27.5	29.3	26.3	29.8	26.6	30.2	27.7	30.5	23.6	29.8	24.5	28.8	27.9	27.9	27.9
25	28.4	29.7	23.3	29.8	29.3	27.0	26.6	28.4	26.3	28.5	26.6	27.6	24.8	27.8	23.9	26.1	24.8	30.0	25.1	25.1	25.1
26	27.9	26.2	23.3	30.0	29.8	28.9	27.3	28.6	26.8	29.1	27.1	28.3	25.0	28.0	24.1	27.5	24.3	28.6	24.9	24.9	24.9
27	27.3	26.0	22.6	29.9	29.8	26.9	29.9	29.2	25.4	29.0	25.8	28.1	22.4	30.0	24.2	28.2	23.4	28.2	25.4	25.4	25.4
28	29.0	24.9	24.9	27.7	30.1	27.7	30.9	30.0	21.4	28.0	25.9	27.7	24.5	28.4	23.0	27.8	24.6	27.0	25.4	25.4	25.4
29	30.2	26.2	27.3	27.9	28.6	29.3	29.4	31.6	23.4	28.5	28.4	27.7	26.0	29.0	24.3	27.2	26.8	24.0	24.5	24.5	24.5
30	29.5	26.8	28.9	30.4	27.2	28.9	29.9	33.1	25.2	29.5	28.3	28.4	26.2	25.9	24.1	27.5	27.8	24.3	24.8	24.8	24.8
31						28.5	29.8	34.0	26.2	29.0	26.4	28.1	23.7	22.5	24.6	28.0	26.7	25.9	24.2	24.2	24.2
下旬	29.2	28.0	25.6	28.5	29.1	27.9	29.1	30.2	26.0	28.5	26.8	28.8	25.7	28.7	24.0	27.9	25.1	27.9	25.6	25.6	25.6
月	27.9	28.6	26.8	26.6	27.1	27.8	27.9	28.4	27.1	28.6	28.3	28.6	27.3	29.6	24.9	28.5	26.4	26.3	25.9	25.9	25.9

历年各月逐日10厘米平均地温(摄氏度)

林 县

月 日	八 月		九 月								十 月							
	1963	1964	1957	1958	1959	1960	1961	1962	1963	1964	1957	1958	1959	1960	1961	1962	1963	1964
1	26.8	24.0	21.5	25.2	26.7	27.8	26.6	25.2	23.7	23.4	21.0	18.6	19.8	16.3	15.9	18.0	18.9	18.7
2	25.7	24.8	21.1	24.4	26.6	25.1	26.6	25.6	22.9	23.7	22.2	18.2	19.8	15.5	16.0	19.5	18.0	18.1
3	23.6	26.0	22.0	25.7	(26.2)	22.5	23.7	27.0	22.1	23.8	22.2	17.3	18.4	15.5	16.3	18.1	19.0	18.5
4	25.2	26.7	22.2	24.1	27.6	23.8	24.4	25.9	23.8	23.5	22.2	18.8	19.1	16.1	17.7	17.5	18.0	18.6
5	26.1	27.3	23.8	23.8	27.0	22.4	25.4	24.5	22.6	23.0	21.8	19.0	19.8	16.8	19.6	18.2	16.7	17.7
6	25.3	29.0	23.9	24.8	25.5	23.3	25.5	25.5	21.1	21.9	19.3	19.9	20.3	16.5	17.9	18.6	16.3	16.5
7	25.8	29.2	25.3	24.8	23.7	24.7	25.4	26.0	20.2	21.3	19.9	20.6	20.8	16.7	19.3	17.8	16.6	17.9
8	23.7	30.0	25.0	25.3	23.1	26.2	25.2	25.6	22.5	22.8	20.1	20.6	20.8	17.2	18.9	17.5	17.9	16.8
9	25.1	28.4	25.6	25.5	23.7	25.7	24.6	25.8	23.1	23.3	20.2	20.3	21.7	18.0	18.7	16.4	18.1	16.0
10	25.0	27.5	25.0	25.6	25.1	26.4	25.1	26.0	22.3	24.2	20.7	19.8	20.0	19.8	18.8	17.4	18.2	15.6
上旬	25.2	27.3	23.5	24.9	(25.5)	24.8	25.3	25.7	22.4	23.1	21.0	19.3	20.1	16.8	17.9	17.9	17.8	17.4
11	26.5	27.6	24.6	25.9	25.4	26.7	25.1	23.2	23.0	23.0	21.1	18.2	19.5	19.9	16.5	17.8	17.8	16.2
12	27.2	26.3	23.7	25.9	24.4	26.8	21.9	22.7	23.9	23.0	20.5	16.9	17.5	18.4	15.0	17.3	18.3	16.6
13	28.7	27.7	23.2	26.4	24.6	24.9	21.9	23.3	23.2	21.3	20.2	15.1	16.9	18.1	15.1	14.4	15.9	17.1
14	27.7	28.9	22.9	27.5	23.1	23.8	22.0	23.1	24.3	20.9	21.3	13.6	18.0	16.0	15.4	11.4	16.1	17.3
15	27.0	26.8	22.8	24.8	21.5	23.6	22.1	21.7	22.2	21.9	21.6	12.5	18.3	15.1	15.7	11.1	17.4	17.5
16	26.3	25.8	22.5	23.1	21.5	23.5	21.8	22.4	20.6	21.4	20.6	11.6	18.4	13.8	15.8	13.1	15.4	17.5
17	27.4	25.1	23.8	23.5	22.3	24.2	20.1	22.8	19.8	21.4	16.3	13.1	18.5	12.7	14.6	12.7	13.7	13.7
18	28.7	24.5	23.0	23.4	22.2	24.4	21.7	22.5	18.6	19.8	15.6	13.7	18.6	13.3	14.5	12.8	13.6	12.2
19	29.1	25.2	24.2	23.5	22.1	24.2	19.1	23.2	17.5	19.9	16.4	13.8	18.3	13.7	13.3	14.0	13.5	12.6
20	28.0	25.1	25.2	24.1	20.4	25.0	18.3	22.8	20.0	19.4	15.7	14.8	19.4	15.0	13.0	14.3	13.1	14.8
中旬	27.7	26.3	23.6	24.6	22.8	24.7	21.4	22.8	21.3	21.2	18.9	14.3	18.3	15.6	14.9	13.9	15.5	15.6
21	25.1	25.8	26.5	24.5	19.9	25.3	19.3	22.8	18.5	18.1	15.5	12.9	19.5	15.6	13.8	15.6	12.5	13.9
22	24.7	26.5	26.4	24.4	20.9	25.5	19.7	22.4	18.5	17.4	16.4	11.2	19.3	16.2	11.9	16.0	13.4	14.8
23	26.1	27.2	24.2	24.0	21.7	26.2	18.7	19.9	18.8	17.5	16.5	11.4	17.1	17.2	11.3	13.7	15.1	14.5
24	26.9	26.4	19.9	23.2	21.9	23.7	18.8	17.5	17.1	19.0	14.5	13.0	14.0	16.4	11.6	12.9	13.6	12.6
25	28.0	27.5	19.4	23.7	20.2	20.0	20.7	16.1	17.6	18.4	15.2	11.2	13.9	10.1	14.1	12.3	12.5	12.3
26	28.5	27.9	20.0	24.3	18.9	20.0	21.8	14.0	18.2	18.5	15.5	10.0	13.4	9.2	13.4	12.2	12.9	13.4
27	29.5	26.6	21.3	21.3	18.9	19.3	21.2	16.5	18.9	19.3	13.4	10.6	14.1	10.1	13.8	11.6	14.5	14.1
28	29.2	27.2	22.9	19.0	19.5	16.6	20.7	17.2	19.3	18.9	10.5	11.6	14.1	10.4	11.9	14.5	14.7	13.0
29	26.3	26.9	22.1	19.3	20.2	16.6	18.6	16.1	18.8	19.1	10.5	13.1	12.9	11.4	10.3	12.7	13.3	11.9
30	26.1	25.0	20.5	18.8	20.1	17.2	15.7	16.6	19.3	19.0	10.8	11.9	13.9	12.3	12.0	12.7	12.9	10.7
31	25.7	24.3									11.4	11.9	13.1	13.7	11.0	13.9	13.0	12.4
下旬	26.9	26.5	22.3	22.3	20.2	21.0	19.5	17.9	18.5	18.5	13.7	11.7	15.0	13.0	12.3	13.5	13.5	13.1
月	26.6	26.7	23.1	24.0	(22.7)	23.5	22.1	22.1	20.7	20.9	17.7	15.0	17.7	15.1	15.0	15.0	15.5	15.3

历年各月逐日10厘米平均地温(摄氏度)

林 县

月 日	十 月		一 月										二 月							
	合 计	8 年 平均	1957	1958	1959	1960	1961	1962	1963	1964	合 计	8 年 平均	1957	1958	1959	1960	1961	1962	1963	1964
1	147.2	18.4	12.0	12.1	13.3	11.1	11.9	13.5	12.8	9.3	96.0	12.0	4.9	4.3	5.4	2.0	5.3	2.8	4.8	4.1
2	147.3	18.4	11.9	12.0	11.9	10.9	11.5	12.2	12.2	8.0	90.6	11.3	3.4	4.4	4.3	2.6	5.3	2.9	4.4	4.2
3	145.3	18.2	12.3	11.7	11.8	10.4	10.5	9.8	12.2	9.7	88.4	11.1	3.2	4.7	4.7	2.4	3.2	2.9	5.2	3.4
4	148.0	18.5	10.6	11.8	12.4	10.1	9.3	7.8	13.4	10.5	85.9	10.7	3.6	3.6	3.4	2.9	3.3	3.5	4.3	3.3
5	149.6	18.7	10.7	10.6	11.7	10.6	9.0	8.1	14.2	10.6	85.5	10.7	3.5	3.4	4.8	3.8	3.5	3.0	3.3	3.2
6	145.3	18.2	11.5	11.3	11.0	11.2	10.0	9.8	14.0	10.6	89.4	11.2	3.8	4.3	3.3	1.7	2.5	2.9	4.2	2.4
7	149.6	18.7	10.6	9.5	10.8	12.1	10.6	9.8	11.3	10.2	84.9	10.6	4.6	3.7	3.8	1.1	3.0	3.4	4.0	3.1
8	149.8	18.7	12.7	10.1	6.4	11.1	9.1	10.6	7.4	9.9	77.3	9.7	3.7	3.8	4.4	1.4	2.2	3.1	2.6	3.1
9	149.4	18.7	12.7	9.3	5.8	8.8	8.4	8.7	7.6	10.0	71.3	8.9	4.9	3.7	4.3	3.1	4.0	3.3	2.8	2.8
10	150.3	18.8	12.6	9.5	6.3	8.5	8.6	8.8	8.4	9.3	72.0	9.0	5.0	2.9	3.9	4.0	3.9	3.6	2.1	3.0
上旬	148.2	18.5	11.8	10.8	10.1	10.5	9.9	9.9	11.4	9.8	68.2	10.5	4.1	3.9	4.2	2.5	3.6	3.1	3.8	3.3
11	147.0	18.4	11.3	8.9	6.4	8.6	8.4	9.1	8.7	8.1	69.5	8.7	3.5	2.7	4.7	4.1	4.5	3.4	0.6	2.5
12	140.5	17.6	11.0	7.5	6.5	8.3	9.5	8.9	8.9	7.0	67.6	8.5	5.1	2.7	5.1	2.9	3.7	3.6	0.4	1.4
13	132.8	16.6	10.1	5.8	6.1	7.8	9.7	9.7	8.9	6.1	64.2	8.0	3.7	3.1	4.7	1.8	2.6	5.3	1.4	2.4
14	129.1	16.1	9.2	4.9	7.3	7.4	10.2	10.7	8.4	6.5	64.6	8.1	3.3	2.8	3.6	1.1	0.8	3.9	2.5	2.2
15	129.2	16.2	11.3	5.6	7.5	8.2	11.6	10.2	9.7	6.8	70.9	8.9	3.1	3.5	2.4	0.6	1.2	1.8	2.2	2.3
16	126.2	15.8	12.3	6.3	7.2	9.2	11.9	8.3	9.3	7.3	71.8	9.0	3.3	4.0	1.9	0.3	1.7	1.4	2.6	2.2
17	115.3	14.4	11.4	6.5	9.1	8.9	11.9	10.0	9.0	9.2	76.0	9.5	2.7	4.2	1.2	0.5	3.3	1.8	2.2	2.1
18	114.3	14.3	11.1	7.0	7.7	10.5	11.2	6.3	11.2	9.2	74.2	9.3	0.3	4.1	0.9	(-1.0)	2.4	2.2	1.2	1.8
19	115.6	14.5	11.4	5.5	7.1	9.0	8.3	4.7	9.6	7.4	63.0	7.9	0.1	3.9	1.0	-1.6	1.4	1.8	1.8	1.2
20	120.1	15.0	8.4	5.5	7.1	11.6	7.6	3.4	9.2	7.3	60.1	7.5	0.3	2.5	0.9	-1.7	2.1	1.6	1.5	1.1
中旬	127.0	15.9	10.8	6.4	7.2	9.0	10.0	8.1	9.3	7.5	68.3	8.5	2.5	3.4	2.6	(0.7)	2.4	2.7	1.6	1.9
21	119.3	14.9	8.2	5.1	5.2	12.3	8.2	3.0	9.8	8.9	60.7	7.6	0.6	2.7	0.6	-1.8	1.6	1.3	1.2	1.6
22	119.2	14.9	9.7	4.9	4.6	8.5	6.8	3.5	9.0	6.9	53.9	6.7	1.1	2.5	0.7	-1.7	1.1	1.7	2.2	2.0
23	116.8	14.6	9.9	4.8	5.3	4.5	4.8	4.3	7.7	7.6	48.9	6.1	0.6	3.4	0.7	-1.1	1.6	3.4	2.3	2.2
24	108.6	13.6	7.9	5.1	3.9	3.3	4.9	3.4	8.3	6.8	43.6	5.5	2.0	3.5	0.5	-0.8	1.2	3.6	0.9	1.9
25	101.6	12.7	7.7	5.7	2.3	3.1	5.2	2.8	5.5	6.6	38.9	4.9	3.1	3.6	0.0	-1.2	0.8	3.0	-0.4	2.6
26	100.0	12.5	8.5	5.1	2.5	2.9	6.1	3.0	4.2	6.9	39.2	4.9	2.8	2.8	-0.5	-1.5	1.0	2.8	-1.2	2.3
27	102.2	12.8	7.4	4.2	3.0	2.3	6.7	3.5	3.9	7.5	38.5	4.8	2.4	1.7	-0.4	-1.4	0.3	1.9	-1.2	2.3
28	100.7	12.6	4.3	4.9	3.8	2.5	6.0	2.6	3.9	7.0	35.0	4.4	2.0	0.9	-0.2	-1.0	-0.1	3.4	-1.0	2.8
29	96.1	12.0	4.4	6.1	3.9	3.2	6.7	2.2	3.3	7.3	37.1	4.6	0.5	1.3	-0.1	-1.4	-0.5	2.8	-0.7	1.7
30	97.2	12.2	5.5	4.6	5.3	2.6	6.1	2.2	3.3	5.9	35.5	4.4	-0.3	1.3	0.0	-1.9	-0.3	0.7	-0.9	1.4
31	100.4	12.6											-0.4	1.0	-0.1	-2.1	-0.2	0.3	-1.1	2.1
下旬	105.8	13.2	7.4	5.1	4.0	4.5	6.2	3.1	5.9	7.1	43.3	5.4	1.3	2.2	0.1	-1.4	0.6	2.3	0.0	2.1
月	126.3	15.8	9.9	7.4	7.1	8.0	8.7	7.0	8.8	8.1	65.0	8.1	2.6	3.1	2.2	(0.6)	2.1	2.7	1.8	2.4

历年各月逐日10厘米平均地温(摄氏度)

浚 阳

月 日	一 月											二 月									
	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1954	1955	1956	1957	1958	1959	1960	1961		
1	0.1	-1.5	0.5	0.5	0.6	1.2	-0.1	-1.1	0.1	0.8	-0.1	0.0	3.2	0.5	-1.0	-0.8	0.7	0.2	0.3		
2	0.2	-2.6	0.3	3.0	0.4	0.6	0.2	-0.1	0.1	1.1	-0.2	-0.3	2.5	2.9	-0.3	-0.2	2.7	0.2	0.4		
3	0.6	-3.0	0.2	2.0	0.1	0.7	0.3	0.2	0.2	1.5	-0.3	-0.6	2.6	4.3	-0.5	0.0	3.7	0.2	0.7		
4	1.4	-1.5	0.4	0.2	0.1	0.3	0.9	-0.4	0.2	1.3	-0.1	-0.5	2.6	4.6	-0.1	0.1	3.8	0.3	0.5		
5	2.6	-3.8	0.5	-0.5	0.2	-0.5	0.7	0.1	0.0	0.9	-0.1	-1.0	1.0	4.0	-1.2	0.2	5.3	0.5	0.7		
6	3.5	-4.7	-0.1	0.0	0.7	-0.4	0.1	0.0	0.1	0.6	0.0	-0.9	1.2	4.7	-1.6	0.4	4.1	2.4	1.6		
7	2.9	-4.8	-1.5	-0.7	0.5	0.0	0.3	-0.3	0.2	0.2	0.0	-0.3	4.4	4.4	-2.9	0.2	1.9	3.3	2.2		
8	3.8	-2.7	-2.4	0.0	1.0	0.0	0.4	0.1	0.2	0.1	0.1	0.0	5.2	3.4	-3.5	0.3	1.6	3.6	2.7		
9	3.0	-4.6	-2.1	0.1	1.9	0.0	0.4	0.1	0.3	-0.1	0.5	0.5	4.4	1.2	-5.5	0.6	2.2	4.1	3.6		
10	0.5	-4.0	-1.6	0.0	1.1	-0.2	1.0	-0.4	0.2	0.1	—	2.3	2.5	0.5	-3.5	0.6	2.0	3.4	3.2		
上旬	1.9	-3.3	-0.6	0.5	0.7	0.2	0.4	-0.2	0.2	0.7	(-0.0)	-0.1	3.0	3.1	-2.0	0.1	2.8	1.8	1.6		
11	0.9	-3.7	-1.2	0.1	1.2	-0.3	0.9	-1.1	0.4	-0.3	—	5.2	0.8	0.5	-2.2	0.4	2.8	2.5	3.8		
12	1.5	-3.7	-1.0	-1.0	1.5	-0.1	1.1	-0.8	0.5	-0.5	—	3.9	1.0	0.1	-1.2	0.2	2.3	1.6	3.5		
13	1.6	-2.9	0.0	-1.7	1.4	-0.1	3.0	-1.0	0.6	-0.4	1.2	2.9	2.5	0.1	-0.6	0.2	2.1	3.4	4.1		
14	2.9	-2.4	0.0	-1.0	0.9	0.1	1.5	-0.5	0.6	-0.3	0.8	2.5	5.0	0.5	0.0	0.6	2.0	4.0	3.4		
15	3.4	-3.2	0.0	-1.6	-0.2	0.2	1.2	-0.2	0.7	0.1	0.6	1.8	6.1	0.7	-0.1	1.8	2.6	5.6	4.1		
16	3.9	-4.8	0.0	-0.6	-1.9	-0.3	1.1	-0.9	0.5	-0.3	0.5	3.3	4.5	0.1	-0.4	2.5	3.2	5.3	4.8		
17	3.4	-2.3	0.0	-1.9	-2.0	-0.8	1.1	-0.5	0.7	0.0	0.5	3.0	2.9	0.1	-0.3	3.5	3.9	4.9	4.7		
18	3.9	-1.9	0.0	-2.2	-1.5	-0.7	1.0	-0.6	0.7	0.2	0.4	1.7	1.3	-0.1	-0.4	4.0	3.6	3.8	5.1		
19	3.8	-1.0	-0.5	-2.8	-1.2	-0.6	0.7	0.0	0.5	0.2	0.3	1.0	2.0	0.2	-0.9	4.0	(4.4)	5.1	6.6		
20	2.9	-0.3	-0.4	-3.0	0.0	-0.3	0.5	-0.4	0.4	0.2	0.4	3.1	0.4	0.6	-0.2	5.4	4.7	6.6	7.2		
中旬	2.8	-2.6	-0.3	-1.6	-0.2	-0.3	1.2	-0.6	0.6	-0.1	(0.6)	2.8	2.7	0.3	-0.6	2.3	(3.2)	4.3	4.7		
21	0.9	-0.9	-0.4	-2.8	-0.6	0.1	0.2	0.1	0.6	-0.3	0.6	4.5	1.0	1.0	-0.2	6.9	5.3	5.5	6.5		
22	0.4	-0.2	-0.8	-2.3	-1.3	-0.4	-1.6	-0.1	0.4	-0.4	0.5	3.9	4.4	0.8	-0.1	6.2	7.2	6.2	6.6		
23	0.0	0.0	-1.2	-2.6	-2.5	-0.1	-2.3	0.2	0.2	-0.4	0.1	6.0	6.2	2.5	-0.1	6.1	7.0	7.7	7.7		
24	-0.5	0.2	-1.5	-1.6	-1.6	0.2	-1.5	0.2	0.2	-0.6	-0.1	7.1	6.8	2.3	0.1	6.3	7.5	9.2	8.4		
25	-0.9	0.1	-0.9	-0.3	-0.3	0.2	-1.2	0.2	0.2	-0.2	-0.1	8.5	8.7	1.6	2.6	6.6	6.2	8.8	7.3		
26	-1.2	0.2	-0.2	-0.7	0.1	0.2	-0.9	0.3	0.1	-0.4	-0.1	3.1	9.5	3.3	1.5	3.9	6.1	6.1	6.7		
27	-1.0	0.4	0.0	0.0	-0.1	0.3	-1.5	0.8	0.1	-0.2	-0.1	1.5	7.5	4.1	1.7	3.1	4.9	5.3	8.2		
28	-0.4	1.0	0.1	-0.2	0.1	0.3	-0.7	0.6	0.2	0.1	-0.1	1.7	4.5	1.0	1.9	3.5	5.3	6.8	9.1		
29	-0.5	1.3	0.0	0.0	-0.1	0.5	-0.9	0.5	0.2	0.2	0.1		0.6				9.6				
30	-0.3	1.2	0.2	-0.5	-0.6	0.2	-0.3	1.2	-0.1	-0.2	0.2										
31	-0.2	1.9	0.1	-0.9	-0.9	0.2	0.2	0.3	-0.1	-0.2	-0.1										
下旬	-0.3	0.5	-0.4	-1.1	-0.7	0.2	-1.0	0.4	0.2	-0.2	0.1	4.5	6.1	1.9	0.9	5.3	6.2	7.2	7.6		
月	1.4	-1.8	-0.4	-0.7	-0.1	0.0	0.2	-0.1	0.3	0.1	(0.2)	2.3	3.7	1.7	0.7	2.4	(3.9)	4.3	4.4		