

C. IONOSPHERE

The following tables give the values of mean ionospheric absorption at oblique incidence (A3) for certain zenith distances of the Sun () expressed in decibels (dB). Values for ground sunset (SS) and ground sunrise (SR) are given for periods of 20 minutes centered on the times of $= 90^{\circ}$. Night values have been determined by taking the periods ranging from $= 100^{\circ}$ to 23 00 GMT.

The sky wave of the transmitter Československo ($f = 272$ kHz) has been recorded since January 1967. The geographical coordinates of the reflection point are 48.4°N , 17.1° E. Because of reconstruction works on the transmitter Československo, the absorption measurement at 272 kHz and the publication of data were suspended from April 1975 till September 1978. Data for September and partly for October 1986 are missing for the same reason in the present report.

The tables were compiled by F. MÁRCZ. The equipment and the method have been described in the papers by P. BENCZE and F. MÁRCZ: "Atmosphärisch-elektrische und ionosphärische Messungen im Observatorium bei Nagycenk". Observatoriumsberichte des Geophysikalischen Forschungslaboratoriums der Ungarischen Akademie der Wissenschaften vom Jahre 1966, Sopron, 1967, as well as by P. BENCZE, J. HORVÁTH and F. MÁRCZ: "A new equipment for the measurement of ionospheric absorption" Geophysical Observatory Report of the Geodetic and Geophysical Research Institute of the Hungarian Academy of Sciences, Year 1975. Observatory of Nagycenk, Sopron, 1976. Further information is given by P. BENCZE and F. MÁRCZ: "The Geophysical Observatory near Nagycenk II. Atmospheric electric and ionospheric measurements". Acta Geod. Geoph. Mont. Hung. 16(1981), 353-357.

Mean Ionospheric Absorption I_p (dB) at Oblique Incidence (A3)
 for 1986. $f = 272$ kHz
 January

Date of the night	SS	Night	SR
1/2	18.9	22.2	25.0
2/3	30.3	22.2	23.2
3/4	37.7	18.3	23.8
4/5	47.2	21.4	33.2
5/6	37.7	21.4	33.2
6/7	26.4	26.4	41.2
7/8	35.2	23.2	30.3
8/9	31.7	21.8	28.2
9/10	35.2	21.4	26.4
10/11	37.7	18.6	22.2
11/12	33.2	18.6	29.2
12/13	31.7	19.2	31.7
13/14	29.2	22.7	28.2
14/15	35.2	25.0	37.7
15/16	26.4	21.4	23.2
16/17	29.2	20.2	26.4
17/18	27.2	18.9	23.8
18/19	30.3	20.2	25.0
19/20	21.8	19.9	31.7
20/21	28.2	22.7	X
21/22	24.4	22.7	26.4
22/23	26.4	22.7	23.2
23/24	23.8	22.2	25.0
24/25	35.2	22.2	25.0
25/26	25.7	22.7	21.4
26/27	26.4	20.2	21.8
27/28	28.2	19.5	22.7
28/29	28.2	21.8	X
29/30	27.2	20.2	26.4
30/31	X	X	X
31/1	41.2	(22.7)	X
Median values	29.2	21.6	26.4

February

Date of the night	SS	Night	SR
1/2	25.7	27.2	28.2
2/3	30.3	25.0	35.2
3/4	27.2	23.8	35.2
4/5	21.8	25.0	30.3
5/6	41.2	20.6	35.2
6/7	30.3	22.7	30.3
7/8	33.2	29.2	35.2
8/9	31.7	26.4	30.3
9/10	35.2	25.0	30.3
10/11	31.7	22.7	X
11/12	31.7	22.7	47.2
12/13	31.7	22.7	44.2
13/14	31.7	23.8	33.2
14/15	35.2	23.2	27.2
15/16	37.7	21.8	35.2
16/17	33.2	22.2	25.0
17/18	35.2	26.4	33.2
18/19	29.2	19.9	30.3
19/20	21.0	20.6	23.8
20/21	16.9	19.5	21.4
21/22	37.7	25.0	24.4
22/23	30.3	29.2	20.6
23/24	19.9	20.2	22.2
24/25	27.2	21.0	20.2
25/26	22.7	20.6	X
26/27	37.7	20.2	26.4
27/28	23.8	22.7	30.3
28/1	29.2	23.8	21.4
Median values	30.3	22.7	31.0

March

Date of the night	SS	Night	SR
1/2	27.2	20.2	23.8
2/3	26.4	21.4	27.2
3/4	27.2	21.0	29.2
4/5	37.7	19.2	X
5/6	27.2	23.2	29.2
6/7	23.8	25.0	31.7
7/8	37.7	18.6	23.2
8/9	X	X	26.4
9/10	37.7	19.2	26.4
10/11	31.7	19.9	29.2
11/12	30.3	18.3	30.3
12/13	31.7	18.3	23.8
13/14	24.4	17.1	23.8
14/15	25.0	19.9	23.2
15/16	27.2	18.3	27.2
16/17	33.2	15.7	22.7
17/18	27.2	15.7	21.4
18/19	17.6	17.3	33.2
19/20	22.7	18.9	17.8
20/21	25.0	17.8	28.2
21/22	21.8	20.2	22.7
22/23	27.2	18.6	21.4
23/24	22.7	18.3	20.2
24/25	21.8	18.9	19.2
25/26	18.3	15.7	19.5
26/27	24.4	13.7	18.1
27/28	20.2	17.8	20.6
28/29	19.9	17.8	25.7
29/30	30.3	18.1	25.7
30/31	35.2	19.5	21.0
31/1	27.2	17.6	19.5
Median values	27.2	18.5	23.8

April

Date of the night	SS	Night	SR
1/2	19.9	18.6	14.4
2/3	19.2	20.6	18.3
3/4	16.9	22.2	20.6
4/5	22.7	21.8	21.8
5/6	25.7	18.1	15.9
6/7	18.9	18.1	18.3
7/8	20.6	17.1	17.1
8/9	24.4	19.9	19.5
9/10	28.2	22.2	19.9
10/11	18.1	22.2	19.2
11/12	35.2	20.6	17.8
12/13	19.2	19.2	17.8
13/14	17.3	18.6	25.7
14/15	23.8	19.2	23.2
15/16	25.7	16.5	22.7
16/17	25.7	18.1	24.4
17/18	19.5	19.5	19.5
18/19	25.0	22.2	21.4
19/20	22.2	18.6	28.2
20/21	21.0	16.1	23.2
21/22	25.0	20.2	25.0
22/23	33.2	19.2	26.4
23/24	27.2	16.3	21.0
24/25	21.0	18.3	22.7
25/26	23.2	15.9	16.3
26/27	21.0	19.9	23.2
27/28	25.7	21.4	20.2
28/29	X	17.6	23.2
29/30	25.0	18.6	25.7
30/1	30.3	20.6	22.2
Median values	23.2	19.2	21.2

May

Date of the night	SS	Night	SR
1/2	25.0	17.6	24.4
2/3	25.0	21.4	26.4
3/4	25.0	23.8	26.4
4/5	19.2	21.8	25.7
5/6	23.2	22.2	25.0
6/7	X	X	X
7/8	19.9	17.8	20.6
8/9	23.2	21.0	30.3
9/10	21.4	17.6	23.8
10/11	27.2	21.4	20.6
11/12	21.0	18.1	20.2
12/13	25.7	21.0	25.7
13/14	24.4	21.0	27.2
14/15	21.4	17.1	24.4
15/16	30.3	20.6	X
16/17	33.2	22.7	28.2
17/18	30.3	21.3	24.4
18/19	28.2	23.8	19.9
19/20	26.4	23.8	21.0
20/21	23.8	18.6	25.0
21/22	16.9	21.0	X
22/23	23.8	18.9	25.0
23/24	30.3	18.9	25.7
24/25	29.2	21.0	26.4
25/26	26.4	21.8	25.7
26/27	31.7	21.0	25.7
27/28	23.2	20.2	23.2
28/29	19.5	23.2	35.2
29/30	22.7	18.9	23.8
30/31	29.2	23.2	33.2
31/1	X	X	X
Median values	25.0	21.0	25.0

June

Date of the night	SS	Night	SR
1/2	26.4	22.7	19.9
2/3	21.4	15.9	X
3/4	27.2	19.9	26.4
4/5	27.2	19.9	21.8
5/6	26.4	18.3	23.8
6/7	26.4	22.2	23.8
7/8	23.2	21.0	30.3
8/9	35.2	21.0	21.7
9/10	29.2	21.8	22.7
10/11	26.4	22.2	26.4
11/12	23.8	15.9	X
12/13	26.4	20.6	X
13/14	28.2	X	X
14/15	28.2	22.7	25.7
15/16	25.7	21.4	26.4
16/17	26.4	20.6	27.2
17/18	28.2	18.6	25.7
18/19	27.2	19.9	23.8
19/20	25.0	21.0	29.2
20/21	31.7	25.7	26.4
21/22	X	X	X
22/23	30.3	20.6	24.4
23/24	22.7	19.9	23.8
24/25	23.2	22.2	X
25/26	20.6	23.8	33.2
26/27	23.2	X	X
27/28	27.2	25.7	25.7
28/29	30.3	23.8	31.7
29/30	33.2	21.0	X
30/1	28.2	23.2	25.7
Median values	26.4	21.0	25.7

July

Date of the night	SS	Night	SR
1/2	29.2	19.9	29.2
2/3	X	X	X
3/4	31.7	23.8	23.8
4/5	23.8	19.5	21.0
5/6	23.2	22.2	28.2
6/7	35.2	21.4	25.0
7/8	23.8	21.4	25.7
8/9	X	22.7	30.3
9/10	30.3	17.1	31.7
10/11	21.0	22.7	30.3
11/12	27.2	19.9	26.4
12/13	21.4	20.6	30.3
13/14	29.2	21.0	18.6
14/15	28.2	25.7	27.2
15/16	21.4	18.3	27.2
16/17	27.2	22.7	28.2
17/18	29.2	26.4	29.2
18/19	27.2	22.2	24.4
19/20	19.9	24.4	30.3
20/21	22.7	20.6	23.2
21/22	26.4	21.4	30.3
22/23	27.2	22.7	25.0
23/24	27.2	22.7	21.4
24/25	X	X	X
25/26	28.2	24.4	25.7
26/27	X	X	X
27/28	19.5	20.2	24.4
28/29	27.2	17.8	26.4
29/30	X	X	X
30/31	23.8	21.8	22.7
31/1	31.7	20.2	20.2
Median values	27.2	21.4	26.4

August

Date of the night	SS	Night	SR
1/2	X	X	X
2/3	X	X	X
3/4	X	X	X
4/5	23.8	20.6	X
5/6	22.7	22.7	26.4
6/7	35.2	19.5	30.3
7/8	X	X	X
8/9	X	X	X
9/10	23.2	23.8	29.2
10/11	X	X	X
11/12	21.8	18.1	25.0
12/13	23.2	X	X
13/14	18.9	15.2	23.8
14/15	24.4	21.0	22.7
15/16	X	X	X
16/17	24.4	20.2	31.7
17/18	22.2	19.5	28.2
18/19	X	19.5	X
19/20	X	X	X
20/21	21.4	22.7	30.3
21/22	27.2	23.8	26.4
22/23	30.3	23.8	29.2
23/24	X	X	24.4
24/25	27.2	23.8	X
25/26	X	X	X
26/27	X	X	X
27/28	X	X	X
28/29	X	X	X
29/30	X	X	X
30/31	X	X	X
31/1	X	X	X
Median values	23.5	20.8	27.2

October

Date of the night	SS	Night	SR
1/2	X	X	X
2/3	X	X	X
3/4	X	X	X
4/5	X	X	X
5/6	X	X	X
6/7	X	X	X
7/8	X	X	X
8/9	X	X	X
9/10	X	X	X
10/11	X	X	X
11/12	X	X	X
12/13	X	X	X
13/14	X	X	X
14/15	X	X	X
15/16	X	X	X
16/17	X	X	X
17/18	X	X	X
18/19	X	X	X
19/20	17.6	17.6	23.2
20/21	19.9	18.1	23.8
21/22	23.8	20.2	24.4
22/23	21.0	20.6	19.9
23/24	29.2	19.5	26.4
24/25	22.2	19.2	22.2
25/26	23.8	22.7	27.2
26/27	23.8	24.4	30.3
27/28	22.2	21.8	26.4
28/29	23.8	19.9	23.2
29/30	18.9	18.1	24.4
30/31	23.2	18.1	26.4
31/1	18.6	18.1	24.4
Median values	22.2	19.5	24.4

November

Date of the night	SS	Night	SR
1/2	19.5	17.6	21.0
2/3	21.4	16.5	20.2
3/4	18.6	16.9	22.7
4/5	22.7	22.7	27.2
5/6	25.0	18.3	22.2
6/7	20.2	18.1	X
7/8	21.4	21.0	24.4
8/9	21.8	21.0	25.7
9/10	26.4	19.5	22.7
10/11	30.3	20.6	24.4
11/12	28.2	20.6	25.7
12/13	25.7	19.5	17.1
13/14	28.2	22.7	21.4
14/15	26.4	18.9	24.4
15/16	20.2	17.6	22.7
16/17	23.2	17.1	25.7
17/18	19.2	18.3	27.2
18/19	22.2	19.2	30.3
19/20	23.2	18.3	25.7
20/21	25.0	20.6	24.4
21/22	17.6	19.5	24.4
22/23	25.0	18.3	25.7
23/24	22.2	18.3	24.4
24/25	31.7	20.2	23.8
25/26	21.0	22.2	X
26/27	19.5	19.2	19.2
27/28	22.7	19.2	23.8
28/29	22.2	19.2	25.7
29/30	19.5	21.8	23.8
30/1	33.2	23.8	25.0
Median values	22.5	19.2	24.4

December

Date of the night	SS	Night	SR
1/2	24.4	20.6	28.2
2/3	27.2	19.5	25.7
3/4	24.4	18.3	25.7
4/5	24.4	18.6	30.3
5/6	23.2	19.9	X
6/7	25.0	16.7	24.4
7/8	25.7	19.5	24.4
8/9	23.8	22.2	24.4
9/10	25.7	20.2	22.7
10/11	29.2	18.6	29.2
11/12	31.7	19.5	26.4
12/13	37.7	22.2	28.2
13/14	22.7	20.6	26.4
14/15	31.7	22.7	21.4
15/16	37.7	17.8	20.2
16/17	18.6	23.2	X
17/18	31.7	21.4	27.2
18/19	25.7	18.9	X
19/20	20.6	20.2	28.2
20/21	27.2	21.8	22.2
21/22	30.3	22.7	31.7
22/23	33.2	21.4	29.2
23/24	35.2	22.2	27.2
24/25	37.7	21.0	26.4
25/26	30.3	20.6	31.7
26/27	30.3	22.2	27.2
27/28	23.8	22.2	29.2
28/29	25.7	21.4	25.0
29/30	26.4	20.2	X
30/31	31.7	21.0	26.4
31/1	30.3	21.0	23.2
Median values	27.2	20.6	26.4

Mean Ionospheric Absorption L'(dB) at Oblique Incidence (A3)
for 1987. f = 272 kHz

Date of the night	SS	Night	SR
January			
1/2	30.3	21.4	31.7
2/3	27.2	21.4	35.2
3/4	37.7	21.0	28.2
4/5	29.2	21.4	27.2
5/6	24.4	21.8	33.2
6/7	29.2	21.4	29.2
7/8	31.7	21.4	26.4
8/9	22.7	21.4	25.0
9/10	21.8	21.8	28.2
10/11	29.2	22.7	24.4
11/12	25.0	21.8	25.7
12/13	28.2	19.5	X
13/14	28.2	25.0	30.3
14/15	24.4	19.5	27.2
15/16	29.2	18.3	23.8
16/17	25.0	18.3	28.2
17/18	23.8	21.8	25.7
18/19	29.2	23.2	23.8
19/20	24.4	20.2	21.0
20/21	33.2	(22.2)	X
21/22	26.4	18.1	19.2
22/23	18.3	21.8	25.7
23/24	20.2	19.2	23.8
24/25	21.4	21.0	25.0
25/26	25.0	21.0	25.7
26/27	26.4	22.7	27.2
27/28	24.4	22.2	X
28/29	30.3	23.8	28.2
29/30	27.2	23.2	29.2
30/31	35.2	20.6	29.2
31/1	26.4	21.4	23.2
Median values	26.4	21.4	26.8

Date of the night	SS	Night	SR
February			
1/2	21.8	18.6	23.8
2/3	20.6	18.6	23.8
3/4	23.8	20.6	21.4
4/5	17.3	19.5	21.4
5/6	26.4	16.9	22.2
6/7	23.2	16.9	22.7
7/8	22.2	20.2	23.8
8/9	26.4	19.5	23.8
9/10	18.1	18.1	23.8
10/11	19.9	16.3	25.0
11/12	25.7	15.7	26.4
12/13	22.2	19.5	22.7
13/14	21.0	19.9	24.4
14/15	22.7	20.2	25.0
15/16	27.2	20.2	22.7
16/17	27.2	18.3	18.3
17/18	18.3	19.9	X
18/19	20.6	21.4	26.4
19/20	19.9	19.9	23.8
20/21	17.3	16.9	18.3
21/22	18.3	17.8	18.1
22/23	21.8	17.8	30.3
23/24	16.5	18.9	23.2
24/25	16.9	18.6	20.2
25/26	16.7	16.9	25.7
26/27	16.9	18.6	19.5
27/28	18.9	21.4	21.8
28/1	21.4	16.5	21.4
Median values	20.8	18.6	23.2

Date of the night	SS	Night	SR
March			
1/2	26.4	14.9	21.8
2/3	21.4	16.5	25.7
3/4	19.9	20.2	26.4
4/5	24.4	18.3	25.7
5/6	19.5	17.8	21.0
6/7	16.7	19.5	22.7
7/8	25.0	18.6	18.9
8/9	22.7	16.1	19.5
9/10	29.2	18.1	18.1
10/11	20.2	17.8	19.2
11/12	21.4	19.5	21.4
12/13	16.7	17.8	27.2
13/14	21.8	17.8	21.8
14/15	20.6	19.2	21.0
15/16	23.8	14.6	20.6
16/17	25.0	21.0	23.8
17/18	16.3	18.6	20.2
18/19	15.9	15.9	25.0
19/20	20.6	18.6	20.2
20/21	14.6	16.5	18.1
21/22	20.6	17.3	23.2
22/23	19.9	18.1	18.3
23/24	24.4	16.1	20.6
24/25	25.0	16.1	X
25/26	23.2	14.4	19.9
26/27	18.3	18.9	20.6
27/28	15.5	20.6	18.1
28/29	21.0	13.7	24.4
29/30	17.1	22.2	15.5
30/31	22.7	16.5	20.2
31/1	19.9	18.1	21.8
Median values:	20.6	17.8	20.8

Date of the night	SS	Night	SR
April			
1/2	25.7	19.9	21.4
2/3	28.2	15.1	22.7
3/4	22.2	19.2	14.0
4/5	22.2	19.9	20.2
5/6	24.4	19.2	18.1
6/7	22.2	16.1	21.4
7/8	20.2	20.2	21.0
8/9	24.4	15.5	16.9
9/10	29.2	14.8	16.5
10/11	19.9	16.9	18.3
11/12	21.4	16.7	19.2
12/13	15.2	18.3	17.6
13/14	23.2	22.2	27.2
14/15	23.8	22.2	23.2
15/16	23.2	19.5	21.8
16/17	28.2	15.5	21.8
17/18	18.2	19.5	16.7
18/19	17.8	21.4	18.6
19/20	22.2	19.5	22.7
20/21	20.2	21.0	24.4
21/22	25.0	18.6	25.0
22/23	21.4	16.1	17.6
23/24	12.5	18.3	25.0
24/25	17.3	19.2	19.5
25/26	18.9	18.6	18.9
26/27	14.8	21.0	19.5
27/28	23.2	17.1	19.2
28/29	17.1	19.2	31.7
29/30	19.2	20.2	21.0
30/1	17.8	18.6	21.0
Median values:	21.8	19.2	20.6

Date of the night	SS	Night	SR
May			
1/2	24.4	18.1	29.2
2/3	23.8	17.3	27.2
3/4	X	X	X
4/5	X	(26.4)	17.8
5/6	21.8	23.8	18.1
6/7	19.2	19.9	23.8
7/8	33.2	19.5	19.9
8/9	31.7	18.6	22.7
9/10	22.7	17.8	26.4
10/11	26.4	24.4	28.2
11/12	24.4	19.5	19.5
12/13	20.2	16.1	29.2
13/14	X	X	X
14/15	25.7	21.4	25.7
15/16	22.2	19.5	29.2
16/17	17.3	19.9	27.2
17/18	22.7	24.4	20.6
18/19	27.2	16.5	24.4
19/20	X	X	X
20/21	31.7	23.8	24.4
21/22	17.8	22.2	19.2
22/23	24.4	18.9	28.2
23/24	28.2	19.9	22.2
24/25	25.7	17.3	21.0
25/26	22.7	18.9	25.0
26/27	26.4	(41.2)	47.2
27/28	28.2	18.1	24.4
28/29	29.2	19.5	30.3
29/30	28.2	20.6	24.4
30/31	31.7	19.5	28.2
31/1	23.8	19.9	26.4
Median values	24.4	19.5	24.7

Date of the night	SS	Night	SR
June			
1/2	24.4	21.0	23.2
2/3	29.2	22.7	18.3
3/4	26.4	19.2	23.8
4/5	27.2	22.7	29.2
5/6	30.3	22.2	23.8
6/7	21.0	27.2	30.3
7/8	30.3	24.4	26.4
8/9	21.0	17.8	22.2
9/10	20.6	19.9	21.4
10/11	13.6	17.3	23.8
11/12	X	X	X
12/13	X	X	X
13/14	X	X	X
14/15	X	X	X
15/16	X	X	X
16/17	X	X	X
17/18	19.2	17.8	22.2
18/19	22.2	24.4	22.2
19/20	19.5	23.2	20.2
20/21	21.0	17.8	24.4
21/22	27.2	18.1	20.6
22/23	17.8	21.0	28.2
23/24	25.7	23.2	24.4
24/25	X	25.0	23.8
25/26	21.8	20.2	25.0
26/27	29.2	23.8	25.7
27/28	22.2	21.4	25.0
28/29	25.0	23.2	30.3
29/30	30.3	19.2	24.4
30/31	28.2	20.2	24.4
Median values:	24.4	21.2	24.1

Date of the night	SS	Night	SR
July			
1/2	30.3	19.2	29.2
2/3	29.2	23.2	25.7
3/4	30.3	23.2	28.2
4/5	29.2	23.2	27.2
5/6	27.2	20.2	23.8
6/7	X	X	X
7/8	X	X	X
8/9	X	X	X
9/10	X	X	X
10/11	X	X	X
11/12	X	X	X
12/13	21.4	19.5	21.0
13/14	37.7	18.1	23.2
14/15	27.2	22.2	22.2
15/16	41.2	23.8	31.7
16/17	35.2	22.2	25.7
17/18	29.2	21.0	23.8
18/19	35.2	22.7	30.3
19/20	29.2	22.7	25.7
20/21	41.2	22.7	21.8
21/22	41.2	20.2	27.2
22/23	33.2	19.9	22.7
23/24	41.2	23.2	25.0
24/25	31.7	X	X
25/26	47.2	21.8	29.2
26/27	37.7	19.2	26.4
27/28	41.2	21.8	23.2
28/29	30.3	19.9	25.0
29/30	41.2	16.5	23.8
30/31	30.3	20.2	X
31/1	35.2	21.4	21.0
Median values	33.2	21.6	25.0

Date of the night	SS	Night	SR
August			
1/2	30.3	22.7	29.2
2/3	30.3	21.0	23.2
3/4	25.7	19.9	29.2
4/5	X	X	X
5/6	21.0	21.0	23.2
6/7	X	X	X
7/8	20.6	17.3	24.4
8/9	23.8	19.5	26.4
9/10	23.2	X	X
10/11	X	X	X
11/12	24.4	15.7	27.2
12/13	21.0	18.6	23.8
13/14	24.4	23.2	30.3
14/15	X	X	X
15/16	22.2	21.0	28.2
16/17	33.2	21.4	29.2
17/18	23.8	20.2	22.2
18/19	24.4	16.9	21.8
19/20	23.2	19.9	27.2
20/21	22.2	19.2	23.8
21/22	23.2	15.5	27.2
22/23	29.2	18.6	25.0
23/24	30.0	19.5	25.7
24/25	20.6	18.9	23.2
25/26	23.8	X	X
26/27	28.2	23.8	30.3
27/28	30.3	20.6	28.2
28/29	25.0	22.2	29.2
29/30	31.7	21.8	31.7
30/31	19.9	19.9	26.4
31/1	23.2	22.2	24.4
Median values	23.8	19.9	26.4

Date of the night	SS	Night	SR
September			
1/2	25.0	19.9	25.7
2/3	X	X	X
3/4	X	X	X
4/5	31.7	15.7	33.2
5/6	27.2	16.1	21.0
6/7	24.4	15.5	24.4
7/8	29.2	18.1	25.0
8/9	X	X	X
9/10	17.6	21.8	23.2
10/11	21.0	15.4	25.7
11/12	25.0	21.8	23.2
12/13	19.9	17.1	26.4
13/14	25.0	17.8	30.2
14/15	21.0	22.2	23.8
15/16	30.3	15.9	28.2
16/17	29.2	14.4	23.8
17/18	25.0	18.9	19.9
18/19	24.4	15.7	X
19/20	X	17.6	21.8
20/21	22.2	18.1	21.8
21/22	33.2	14.8	31.7
22/23	37.7	18.1	24.4
23/24	29.2	15.9	25.0
24/25	21.4	15.9	25.7
25/26	26.4	21.4	21.8
26/27	19.9	18.1	20.6
27/28	18.6	19.5	21.8
28/29	21.0	17.6	19.5
29/30	18.1	19.5	33.2
30/1	20.6	17.1	20.6
Median values	24.7	17.6	24.1

Date of the night	SS	Night	SR
October			
1/2	16.1	15.9	23.8
2/3	16.1	16.1	18.3
3/4	23.8	19.9	28.2
4/5	21.4	21.4	23.2
5/6	21.8	17.6	20.6
6/7	21.0	15.2	16.7
7/8	15.1	17.8	19.5
8/9	17.8	14.6	21.8
9/10	20.6	16.9	21.0
10/11	X	X	21.8
11/12	19.5	23.8	28.2
12/13	18.1	18.1	20.6
13/14	13.3	15.9	21.8
14/15	16.3	18.6	19.9
15/16	21.4	20.6	19.9
16/17	16.9	18.3	20.2
17/18	19.9	16.7	23.8
18/19	27.2	16.3	21.4
19/20	22.2	17.3	28.2
20/21	19.5	18.6	41.2
21/22	26.4	17.8	27.2
22/23	23.2	17.6	19.5
23/24	29.2	17.6	22.7
24/25	22.7	19.9	21.8
25/26	20.6	15.9	22.2
26/27	26.4	16.5	14.4
27/28	21.4	18.9	22.2
28/29	25.7	21.0	27.2
29/30	19.2	18.9	22.2
30/31	27.2	17.8	16.1
31/1	24.4	16.1	23.2
Median values	21.2	17.7	21.8

Date of the night	SS	Night	SR
November			
1/2	21.0	17.3	29.2
2/3	25.0	21.0	21.8
3/4	25.0	19.9	23.8
4/5	30.3	19.9	26.4
5/6	30.3	16.9	21.8
6/7	X	X	X
7/8	21.8	17.1	22.7
8/9	22.7	16.3	26.4
9/10	24.4	17.6	28.2
10/11	28.2	16.3	29.2
11/12	21.4	14.9	23.2
12/13	19.9	20.6	27.2
13/14	26.4	21.8	25.7
14/15	31.7	19.9	23.2
15/16	25.7	17.8	25.0
16/17	25.7	18.6	30.3
17/18	37.7	18.9	31.7
18/19	35.2	20.6	21.8
19/20	33.2	21.0	20.2
20/21	25.0	19.5	21.0
21/22	22.2	19.2	21.8
22/23	26.4	16.7	21.0
23/24	23.8	17.8	20.2
24/25	30.3	17.6	33.2
25/26	27.2	17.8	24.4
26/27	24.4	18.1	X
27/28	27.2	16.7	28.2
28/29	23.2	22.7	26.4
29/30	24.4	16.3	24.4
30/1	23.2	20.6	35.3
Median values:	25.0	18.1	24.1

Date of the night	SS	Night	SR
December			
1/2	24.4	19.5	41.2
2/3	21.4	18.6	30.3
3/4	18.3	20.6	X
4/5	X	X	X
5/6	31.7	19.5	31.7
6/7	31.7	17.8	28.2
7/8	24.4	19.9	23.8
8/9	27.2	17.8	21.4
9/10	25.7	20.2	31.7
10/11	22.2	21.0	29.2
11/12	27.2	23.8	33.2
12/13	21.0	21.0	25.0
13/14	23.2	21.8	23.8
14/15	27.2	19.5	22.2
15/16	21.8	19.9	X
16/17	23.8	17.8	29.2
17/18	33.2	23.8	24.4
18/19	24.4	19.9	27.2
19/20	29.2	20.6	23.8
20/21	24.4	22.2	30.3
21/22	17.1	23.8	47.2
22/23	33.2	23.8	28.2
23/24	41.2	18.1	30.3
24/25	35.2	24.4	23.2
25/26	31.7	21.0	27.2
26/27	23.2	23.8	26.4
27/28	25.0	21.4	29.2
28/29	37.7	18.9	31.7
29/30	41.2	21.8	27.2
30/31	26.4	22.7	25.0
31/1	33.2	18.9	29.2
Median values:	26.1	20.6	28.2