

UV Кита в октябре 1963 г.

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Приводятся результаты визуальных наблюдений UV Cet с 9 по 27 октября 1963 г., проводившихся по кооперативной программе.

UV Ceti in October 1963

by V. G. Karetnikov, O. E. Mandel, G. S. Tsarevsky

Results of visual observations of UV Cet carried out according to the cooperative program from October 9 to 27 of 1963 are given.

По предложению профессора Б. Ловелла с 9 по 27 октября 1963 г. проводились наблюдения UV Cet по кооперативной программе. В этих наблюдениях принимала участие и Одесская астрономическая обсерватория. Наблюдения велись визуально на рефракторе АРР-2 каждую ясную ночь с 20^h У. Т. в указанном интервале времени. Атмосферные условия были плохими, и из 19 ночей только 7 оказались пригодными для наблюдений, да и то не полностью. Наблюдения, как правило, прекращались при сплошной облачности.

Методика наблюдений была следующей. Один из наблюдателей непрерывно следил за звездой в телескоп, каждые полминуты давая оценку блеска, которая записывалась третьим наблюдателем, в то время как второй отдыхал. Смена наблюдателей обычно производилась через каждые 15 минут. В качестве звезд сравнения использовались звезды α , β , δ из работы Люйтена [1].

Известно, что UV Cet является визуально-двойной звездой, причем предполагают, что переменным является слабый компонент. В наш телескоп пара не разделяется, вследствие чего мы были вынуждены наблюдать суммарный блеск системы.

Всего наблюдениями охвачено 25.5 часов. Все наблюдения приведены на рис. 1 и в табл. 3 в конце работы. Интервалы наблюдений приведены в табл. 1.

В табл. 1 в первой колонке даны обозначения дат наблюдений на рис. 1.

Значок "┐" на рис. 1 означает, что за весь промежуток времени, изображенный чертой, предельная величина равнялась 12^m0. Буквы К, М, П в таблице 3 обозначают фамилии наблюдателей: Каретников, Мандель, Царевский соответственно.

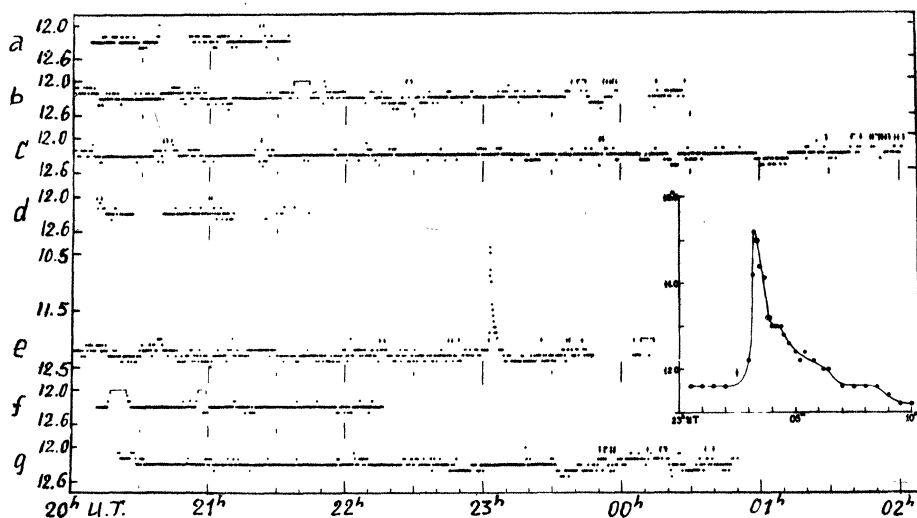


Рис. 1

Таблица 1.

	1963, октябрь	Начало	Конец	Число набл.
a	10	20 ^h 07 ^m U. T.	21 ^h 35 ^m U. T.	155
b	14-15	20 00	0 28	495
c	16-17	20 00	2 03	713
d	17	20 10	22 44	106
e	19-20	20 00	0 14	484
f	21	21 11	23 17	273
g	22-23	20 20	0 53	533

За весь период наблюдений была отмечена одна вспышка порядка 2^m0. Она произошла 19 октября в 23^h03^m25 U. T. (максимум блеска $m = 10.4$). Следует отметить, что разброс относительно среднего значения 19 октября наибольший из всех 7 ночей наблюдений. График вспышки в увеличенном масштабе приведен в правой части рис. 1.

На рис. 2 дана гистограмма распределения (N_m, m). Здесь N_m означает число случаев, когда звездная величина равнялась m . Вспышка и значения со скобкой впереди из статистики исключены. Применение критерия χ^2 Пирсона к данному распределению показывает сильное отклонение от нормального закона, что говорит о том, что флуктуации блеска не являются независимыми случайными событиями, а как-то связаны между собой. (Ошибки наблюдений не влияют на этот вывод, ибо они, как известно, подчинены закону Гаусса, а сумма двух нормаль-

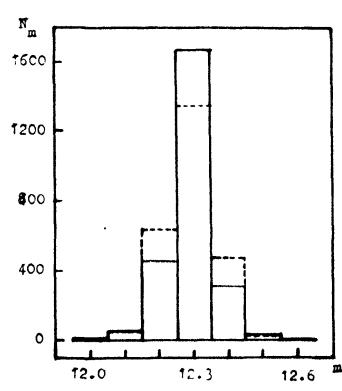


Рис. 2

ных распределений дала бы опять нормальное распределение). Гистограмма нормального распределения с той же дисперсией, что и наблюдаемое, показана на рис. 2 пунктиром. Как видно из рис. 2 звезда находится вблизи среднего блеска значительно большую часть времени, чем это требуется по нормальному закону (эксцесс $E = 2.2 \pm 0.1$). Наблюдаемое распределение слегка асимметрично ($A = -0.31 \pm 0.05$), а именно: флуктуации в сторону увеличения блеска наблюдаются чаще, чем в сторону ослабления.

В следующей таблице отмечены моменты по-видимому реальных флуктуаций блеска (моменты относятся к экстремальным отклонениям от среднего блеска).

Таблица 2.

1963, октябрь			1963, октябрь		
	Момент У. Т.	Δm		Момент У. Т.	Δm
14	20 ^h 05 ^m	0.2	17	0 ^h 23 ^m	0.2
	45	.2		1 05	.2
	50	.3		20 23	.2
	21 51	.3	19	38	.2
	22 22	.3		23 35	.2
16	21 24	.2	22	0 30	.2

Таблица 3.

Окт. 1963	У. Т.	m_v	Окт. 1963	У. Т.	m_v	Окт. 1963	У. Т.	m_v
10	20 ^h 07 ^m .4	12.3 M	10	20 ^h 10 ^m .7	12.3 M	10	20 ^h 14 ^m .4	12.3 M
	.9	12.3 "		11.0	12.3 "		.7	12.3 "
	06.3	12.3 "		.3	12.3 "		15.0	12.3 "
	.6	12.3 "		.9	12.3 "		.3	12.3 "
	.8	12.3 "		12.3	12.2 "		.6	12.3 "
	09.2	12.3 "		.6	12.2 "		.9	12.3 "
	.5	12.3 "		.9	12.3 "		16.3	12.3 "
	.8	12.3 "		13.3	12.2 "		.6	12.2 "
	10.1	12.3 "		.7	12.3 "		17.1	12.3 "
	.4	12.3 "		14.1	12.3 "		.4	12.2 "

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
10 20 ^h	17 ^m 8	12.2	M	10 21 ^h	05 ^m 0	12.2	Ц	14 20 ^h	05 ^m 6	12.1	Ц
	18.2	12.2	"		.5	12.2	"		06.1	12.2	"
	19.8	12.3	Ц		06.0	12.2	"		.6	12.1	"
	20.2	12.3	"		.5	12.2	"		07.1	12.1	"
	.5	12.2	"		07.5	12.3	K		.6	12.2	"
	.9	12.2	"		08.0	12.2	"		08.1	12.2	"
	21.2	12.3	"		.5	12.3	"		.6	12.1	"
	.5	12.3	"		09.0	12.3	"		09.1	12.2	"
	22.1	12.3	"		.5	12.4	"		.6	12.2	"
	.5	12.3	"		10.0	12.3	"		10.1	12.2	"
	.8	12.2	"		.5	12.3	"		.6	12.4	K
	23.2	12.2	"		11.0	12.3	"		11.1	12.3	"
	.5	12.3	"		.5	12.4	"		.6	12.3	"
	24.0	12.3	"		12.0	12.3	"		12.1	12.4	"
	.5	12.3	"		.5	12.3	"		.6	12.3	"
	25.0	12.3	"		13.0	12.3	"		13.1	12.3	"
	.5	12.3	"		.5	12.2	"		.6	12.3	"
	26.0	12.2	"		14.0	12.3	"		14.1	12.2	"
	.5	12.3	"		.5	12.3	"		.6	12.3	"
	27.0	12.3	"		15.0	12.3	"		15.1	12.3	"
	.5	12.3	"		.5	12.3	"		.6	12.2	"
	28.0	12.3	"		16.0	12.3	"		16.1	12.3	"
	.5	12.4	"		17.0	12.3	"		.6	12.3	"
	29.0	12.4	"		.5	12.3	"		17.1	12.2	"
	.5	12.4	"		18.0	12.3	"		.6	12.2	"
	30.0	12.4	K		.5	12.3	"		18.1	12.3	"
	.5	12.3	"		19.0	12.3	"		.6	12.3	"
	31.0	12.3	"		.5	12.3	"		19.1	12.2	"
	.5	12.4	"		20.0	12.3	"		.6	12.3	"
	32.0	12.3	"		.5	12.3	"		20.6	12.4	"
	.5	12.3	"		21.0	12.3	"		21.1	12.3	"
	33.0	12.3	"		.5	12.3	"		.6	12.3	"
	.6	12.3	"		22.0	(12.0	"		22.1	12.3	"
	34.0	12.3	"		.5	12.3	"		.6	12.3	"
	35.0	12.3	"		23.1	(10.4	M		23.1	12.3	"
	.5	12.3	"		.7	(12.0	"		.6	12.3	"
	36.0	12.3	"		24.2	12.2	"		24.1	12.3	"
	.5	12.2	"		.7	12.4	"		.6	12.3	"
	37.0	12.2	"		25.3	12.3	"		25.1	12.3	"
	.5	12.0	"		.8	12.3	"		.6	12.3	"
	50.7	12.2	M		26.4	12.3	"		26.6	12.2	M
	51.2	12.2	"		27.0	12.2	"		27.1	12.3	"
	.7	12.2	"		.5	12.3	"		.6	12.3	"
	52.4	12.3	"		28.0	12.3	"		28.1	12.3	"
	53.0	12.3	"		.5	12.3	"		.6	12.3	"
	.5	12.2	"		29.0	12.3	"		29.1	12.2	"
	54.0	12.2	"		.6	12.3	"		.6	12.3	"
	.5	12.2	"		30.1	12.3	"		30.1	12.3	"
	55.0	12.3	"		.6	12.3	"		.6	12.3	"
	.5	12.3	"		31.1	12.3	"		31.1	12.3	"
	56.0	12.3	"		.7	12.3	"		.6	12.2	"
	.7	12.2	Ц		32.2	12.3	"		32.1	12.3	"
	57.0	12.3	"		.7	12.3	"		.6	12.2	"
	.5	12.2	"		33.3	12.3	"		33.1	12.3	"
	58.0	12.3	"		.9	12.3	"		.6	12.3	"
	.5	12.2	"		34.4	12.2	"		34.1	12.3	"
	59.0	12.2	"		35.0	12.3	"		.6	12.2	"
	.5	12.2	"	14 20	00.1	12.1	Ц		35.1	12.3	"
21 00.0	12.3	"	"		.6	12.2	"		.6	12.3	"
	.5	12.3	"		01.1	12.1	"		36.1	12.3	"
01.0	12.3	"	"		.6	12.1	"		.6	12.3	"
	.5	12.4	"		02.1	12.2	"		37.1	12.3	"
02.0	12.4	"	"		.6	12.2	"		.6	12.3	"
	.5	12.4	"		03.1	12.2	"		38.1	12.2	"
03.0	12.3	"	"		.6	12.2	"		.6	12.2	"
	.5	12.2	"		04.1	12.1	"		39.1	12.3	"
04.0	12.2	"	"		.6	12.2	"		.6	12.2	"
.5	12.2	"	"		05.1	12.1	"		40.1	12.2	"

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
14	20 ^h 40 ^m 6	12.2	M	14	20 ^h 14 ^m 1	12.3	M	14	21 ^h 49 ^m 6	(10.4	K
	41.1	12.2	"		.6	12.3	"		50.1	12.4	"
	.6	12.2	"		15.1	12.3	"		.6	12.0	"
	42.1	12.2	II		.6	12.3	"		51.1	12.1	"
	.6	12.2	"		16.1	12.3	"		.6	12.2	"
	43.1	12.1	"		.6	12.3	"		52.1	12.3	"
	.6	12.2	"		17.1	12.3	"		.6	12.2	"
	44.1	12.1	"		.6	12.3	"		53.1	12.2	"
	.6	12.2	"	21	18.3	12.3	"		.6	12.3	"
	45.1	12.1	"		.9	12.3	"		54.1	12.3	"
	.6	12.2	"		19.4	12.3	"		.6	12.2	"
	46.1	12.1	"		20.0	12.3	"		55.1	12.2	"
	.6	12.2	"		.6	12.3	"		.6	12.2	"
	47.1	12.3	"		21.2	12.3	"		56.1	12.3	"
	.6	12.2	"		.7	12.3	"		.6	12.2	"
	48.1	12.3	"		22.2	12.3	"		57.1	12.3	"
	.6	12.4	"		.7	12.3	"		.6	12.2	"
	49.1	12.4	"		23.2	12.3	"		58.1	12.2	"
	.6	12.2	"		.8	12.3	"		.6	12.2	"
	50.1	12.2	"		24.3	12.3	"		59.1	12.3	"
	.6	12.2	"		.8	12.3	"		.6	12.2	"
	51.1	12.2	"		25.4	12.2	"	22	00.1	12.3	"
	.6	12.3	"		26.0	12.3	"		.6	12.3	M
	52.1	12.3	"		.6	12.2	"		01.1	12.3	"
	.6	12.2	"		27.1	12.3	"		.6	12.3	"
	53.1	12.1	"		.6	12.3	"		02.1	12.3	"
	.6	12.2	"		28.1	12.3	"		.6	12.3	"
	54.1	12.2	"		.6	12.3	"		03.1	12.3	"
	.6	12.1	"		29.1	12.3	"		.6	12.3	"
	55.1	12.2	"		.6	12.3	"		04.1	12.3	"
	.6	12.3	"		30.1	12.3	"		.6	12.3	"
	56.1	12.3	"		.8	12.2	II		05.1	12.3	"
	.6	12.3	"		31.1	12.3	"		.6	12.3	"
	57.1	12.2	"		.6	12.2	"		06.1	12.3	"
	.6	12.3	K		32.1	12.2	"		.7	12.3	"
	58.1	12.2	"		.6	12.2	"		07.3	12.3	"
	.6	12.3	"		33.1	12.2	"		.9	12.3	"
	59.1	12.4	"		.6	12.2	"		08.5	12.4	"
21	00.1	12.3	"		34.1	12.2	"		09.1	(10.4	"
	.6	12.3	"		.6	12.2	"		.6	(10.4	"
	01.1	12.3	"		35.1	12.3	"		10.1	(10.4	"
	.6	12.3	"		.6	12.3	"		.6	12.2	"
	02.1	12.3	"		36.1	12.2	"		11.1	12.2	"
	.6	12.4	"		.6	12.2	"		.6	(10.4	"
	03.1	12.3	"		37.1	(12.0	"		12.2	12.2	"
	.6	12.2	"		.6	(12.0	"		.7	12.3	"
	04.1	12.3	"		38.1	(12.0	"		13.3	12.3	"
	.6	12.3	"		.6	12.3	"		.9	12.3	"
	05.1	12.3	"		39.1	(12.0	"		14.5	12.3	"
	.6	12.4	"		.6	(12.0	"		15.1	12.3	"
	06.1	12.3	"		40.1	(12.0	"		.6	12.2	II
	.6	12.3	"		.6	(12.0	"		16.1	12.4	"
	07.1	12.3	"		41.1	(12.0	"		.6	12.3	"
	.6	12.4	"		.6	(12.0	"		17.1	12.4	"
	08.1	12.5	"		42.1	(12.0	"		.6	12.3	"
	.6	12.4	"		.6	(12.0	"		18.1	12.3	"
	09.1	12.4	"		43.1	(12.0	"		.6	12.3	"
	.6	12.4	"		.6	(12.0	"		19.1	12.4	"
	10.1	12.3	"		44.1	(12.0	"		.6	12.3	"
	.6	12.3	"		.6	12.3	"		20.1	12.4	"
	11.1	12.3	"		45.1	12.3	"		.6	12.5	"
	.6	12.3	"		.6	12.2	K		21.1	12.4	"
	12.1	12.3	"		46.1	12.3	"		.6	12.4	"
	.6	12.4	"		.6	12.2	"		22.1	12.5	"
	13.1	12.3	"		47.1	12.3	"		.6	12.5	"
	.6	12.3	"		48.1	12.3	"		23.1	12.4	"
					.6	(10.4	"		.6	12.4	"

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
14	22 ^h 24 ^m .1	12.4	Π	14	22 ^h 58 ^m .9	12.3	М	14	23 ^h 33 ^m .6	112.3	М
	.6	12.3	"		59.5	12.3	"		34.1	12.3	"
	25.1	12.4	"	23	00.1	12.3	"		.6	12.3	"
	.6	12.4	"		.6	12.3	"		35.1	12.3	"
	26.1	12.4	"		01.1	12.3	"		.6	12.3	"
	.6	(12.0)	"		02.6	12.3	Π		36.1	12.2	"
	27.1	(12.0)	"		03.1	12.3	"		.6	12.2	"
	.6	12.3	"		.6	12.3	"		37.1	12.2	"
	28.1	(12.0)	"		04.1	12.3	"		.6	12.2	"
	.6	(12.0)	"		.6	12.3	"		38.1	(10.4)	"
	29.1	12.5	"		05.1	12.3	"		.6	(12.0)	"
	.6	12.5	"		.6	12.3	"		39.1	(10.4)	"
	30.1	12.6	"		06.1	12.3	"		.6	(10.4)	"
	.6	12.3	К		.6	12.2	"		40.1	(10.4)	"
	31.1	12.3	"		07.1	12.3	"		.6	(10.4)	"
	.6	12.3	"		.6	12.3	"		41.1	(12.0)	"
	32.1	12.3	"		08.1	12.3	"		.6	(10.4)	"
	.6	12.4	"		.6	12.2	"		42.1	(12.0)	"
	33.1	12.4	"		09.1	12.3	"		.6	12.2	"
	.6	12.4	"		.6	12.2	"		43.1	(12.0)	"
	34.1	12.3	"		10.1	12.2	"		.6	(12.0)	"
	.6	12.4	"		.6	12.2	"		44.1	(12.0)	"
	35.1	12.4	"		11.1	12.1	"		.6	12.0	"
	.6	12.4	"		.6	12.3	"		45.1	12.2	"
	36.1	12.3	"		12.1	12.3	"		.6	12.3	"
	.6	12.2	"		.6	12.3	"		46.1	12.3	Π
	37.1	12.3	"		13.1	12.3	"		.6	12.4	"
	.6	12.2	"		.6	12.3	"		47.1	12.4	"
	38.1	12.4	"		14.1	12.2	"		.6	12.4	"
	.6	12.3	"		.6	12.3	"		48.1	12.4	"
	39.1	12.3	"		15.1	12.2	"		.6	12.4	"
	.6	12.3	"		.6	12.4	К		49.1	12.4	"
	40.1	12.4	"		16.1	12.3	"		.6	12.4	"
	.6	12.3	"		.6	12.3	"		50.1	12.4	"
	41.1	12.3	"		17.1	12.3	"		.6	12.4	"
	.6	12.3	"		.6	12.3	"		51.1	12.5	"
	42.1	12.3	"		18.1	12.2	"		.6	12.4	"
	.6	12.3	"		.6	12.3	"		52.1	12.4	"
	43.1	12.3	"		19.1	12.3	"		.6	(12.0)	"
	.6	12.3	"		.6	12.3	"		53.1	(12.0)	"
	44.1	12.3	"		20.1	12.3	"		.6	12.3	"
	.6	12.2	"		.6	12.3	"		54.1	(12.0)	"
	45.1	12.2	"		21.1	12.3	"		.6	12.3	"
	.6	12.2	"		.6	12.3	"		55.1	12.3	"
	46.1	12.3	М		22.1	12.3	"		.6	(12.0)	"
	.6	12.3	"		.6	12.3	"		56.1	12.3	"
	47.1	12.3	"		23.1	12.3	"		.6	(12.0)	"
	.6	12.3	"		.6	12.3	"		57.1	(12.0)	"
	48.1	12.3	"		24.1	12.2	"		.6	12.2	"
	.6	12.3	"		.6	12.2	"		58.1	(12.0)	"
	49.1	12.3	"		25.1	12.3	"		.6	12.2	"
	.6	12.3	"		.6	12.3	"	15	0	12.6	12.3 К
	50.1	12.3	"		26.1	12.3	"			13.1	(10.4)
	.6	12.4	"		.6	12.3	"			.6	(10.4)
	51.1	12.3	"		27.1	12.3	"			14.1	12.3
	.7	12.3	"		.6	12.3	"			.6	12.5
	52.3	12.3	"		28.1	12.3	"			15.1	12.3
	.9	12.3	"		.6	12.3	"			.6	(12.0) М
	53.5	12.3	"		29.1	12.3	"			16.1	12.2
	.7	12.3	"		.6	12.3	"			.6	12.3
	54.1	12.3	"		30.1	12.3	"			17.1	12.3
	.7	12.2	"		.6	12.3	М			.6	12.3
	55.3	12.2	"		31.1	12.3	"			18.1	12.3
	.9	12.3	"		.6	12.3	"			.6	12.2
	56.5	12.3	"		32.1	12.3	"			20.1	12.2
	.7	12.3	"		.6	12.3	"			.6	12.2
	58.3	12.3	"		33.1	12.3	"			.6	12.2

Таблица 3 (продолжение).

Окт. 1963.	U. T.	m _v	Окт. 1963	U. T.	m _v	Окт. 1963	U. T.	m _v
15	0 ^h 21 ^m 1	12.3 M	16	20 ^h 27 ^m 0	12.3 K	16	21 ^h 00 ^m 5	12.3 Ц
	.6	12.3 "		.5	12.4 "		01.0	12.3 "
	22.1	12.2 "		28.0	12.3 "		.5	12.4 "
	.6	12.2 "		.5	12.3 "		02.0	12.3 K
	23.1	12.2 "		29.0	12.3 "		.5	12.3 "
	.6	12.2 "		.5	12.3 "		03.0	12.3 "
	24.1	12.2 "		30.0	12.3 "		.5	12.3 "
	.6	12.2 "		.5	12.3 M		04.0	12.3 "
	25.1	12.3 "		31.0	12.3 "		.5	12.3 "
	.6	12.2 "		.5	12.3 "		05.0	12.3 "
	26.1	12.2 "		32.0	12.3 "		.5	12.3 "
	.6	12.2 "		.5	12.3 "		06.0	12.3 "
	27.3	12.3 "		33.0	12.3 "		.5	12.3 "
	.8	(12.0		.5	12.3 "		07.0	12.3 "
16	20 00.3	12.2 Ц		34.0	12.3 "		.5	12.3 "
	01.0	12.2 "		.5	12.3 "		08.0	12.3 "
	.5	12.3 "		35.0	12.2 "		.5	12.3 "
	02.0	12.3 "		.5	12.2 "		09.0	12.3 "
	.5	12.3 "		36.0	12.2 "		.5	12.3 "
	03.0	12.2 "		.5	12.2 "		10.0	12.3 "
	.5	12.2 "		37.0	12.4 "		.5	12.3 "
	04.0	12.2 "		.5	12.2 "		11.0	12.3 "
	.5	12.2 "		38.0	12.2 "		.5	12.3 "
	05.0	12.2 "		.5	12.3 "		12.0	12.3 "
	.5	12.3 "		39.0	12.4 "		.5	12.3 "
	06.0	12.3 "		.5	(12.0		13.0	12.3 "
	.5	12.2 "		40.0	12.2 "		.5	12.3 "
	07.0	12.2 "		.5	(12.0		14.0	12.3 "
	.5	12.2 "		41.0	(12.0		.5	12.3 "
	08.0	12.1 "		.5	(10.4		15.0	12.3 "
	.5	12.3 "		42.0	(10.4		.5	12.3 "
	09.0	12.3 "		.5	(10.4		16.0	12.3 "
	.5	12.3 "		43.0	(12.0		.5	12.3 "
	10.0	12.3 "		.5	12.2 "		17.0	12.3 M
	.5	12.3 "		44.0	12.2 "		.5	12.3 "
	11.0	12.3 "		.5	12.2 "		18.0	12.3 "
	.5	12.4 "		45.0	12.2 "		.5	12.3 "
	12.0	12.4 "		.5	12.2 "		19.0	12.3 "
	.5	12.3 "		46.0	12.3 "		.5	12.3 "
	13.0	12.3 "		.5	12.3 Ц		20.0	12.2 "
	.5	12.3 "		47.0	12.3 "		.5	(10.4
	14.0	12.3 "		.5	12.3 "		21.0	(10.4
	.5	12.3 "		48.0	12.3 "		.5	(10.4
	15.0	12.3 "		.5	12.3 "		22.0	12.4 "
	.5	12.3 K		49.0	12.3 "		.5	(10.4
	16.0	12.3 "		.5	12.3 "		23.0	(12.0
	.5	12.3 "		50.0	12.3 "		.5	12.5 "
	17.0	12.3 "		.5	12.2 "		24.0	12.4 "
	.5	12.3 "		51.0	12.2 "		.5	12.4 "
	18.0	12.3 "		.5	12.2 "		25.0	12.4 "
	.5	12.3 "		52.0	12.3 "		.5	12.2 "
	19.0	12.3 "		.5	12.2 "		26.0	12.3 "
	.5	12.3 "		53.0	12.3 "		.5	12.3 "
	20.0	12.3 "		.5	12.2 "		27.0	12.3 "
	.5	12.3 "		54.0	12.2 "		.5	12.2 "
	21.0	12.3 "		.5	12.2 "		28.0	12.2 "
	.5	12.3 "		55.0	12.2 "		.5	12.3 "
	22.0	12.3 "		.5	12.3 "		29.0	12.3 "
	.5	12.3 "		56.0	12.3 "		.5	12.3 "
	23.0	12.3 "		.5	12.3 "		30.0	12.3 "
	.5	12.3 "		57.0	12.4 "		.5	12.3 "
	24.0	12.3 "		.5	12.4 "		31.0	12.3 "
	.5	12.3 "		58.0	12.3 "		.5	12.3 "
	25.0	12.3 "		.5	12.3 "		32.0	12.3 "
	.5	12.3 "		59.0	12.3 "		.5	12.3 "
	26.0	12.3 "		.5	12.3 "		33.0	12.3 "
	.5	12.3 "	21	00.0	12.3 "		.5	12.3 "

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
16	21 ^h 34 ^m 0	12.3	Ц	16	22 ^h 08 ^m 0	12.3	М	16	22 ^h 41 ^m 5	12.2	К
	.5	12.3	"		.5	12.3	"		42.0	12.3	"
	35.0	12.3	"		09.0	12.1	"		.5	12.3	"
	.5	12.3	"		.5	12.2	"		43.0	12.3	"
	36.0	12.3	"		10.0	12.3	"		.5	12.4	"
	.5	12.3	"		.5	12.2	"		44.0	12.3	"
	37.0	12.3	"		11.0	12.2	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		45.0	12.3	"
	38.0	12.3	"		12.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		46.0	12.3	"
	39.0	12.3	"		13.0	12.4	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		47.0	12.3	"
	40.0	12.3	"		14.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		48.0	12.3	"
	41.0	12.3	"		15.0	12.3	"		.5	12.4	"
	.5	12.4	"		.5	12.3	"		49.0	12.3	"
	42.0	12.3	"		16.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		50.0	12.3	"
	43.0	12.3	"		17.0	12.3	"		.5	12.3	"
	.5	12.4	"		.5	12.3	"		51.0	12.3	"
	44.0	12.3	"		18.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		52.0	12.3	"
	45.0	12.3	"		19.0	12.2	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		53.0	12.3	"
	46.0	12.3	"		20.0	12.3	"		.5	12.3	М
	.5	12.3	"		.5	12.2	"		54.0	12.3	"
	47.0	12.3	"		21.0	12.2	"		.5	12.3	"
	.5	12.3	"		.5	12.2	"		55.0	12.3	"
	48.0	12.3	"		22.0	12.3	Ц		.5	12.3	"
	.5	12.3	"		.5	12.3	"		56.0	12.3	"
	49.0	12.3	"		23.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		57.0	12.3	"
	50.0	12.3	"		24.0	12.3	"		.5	12.2	"
	.5	12.3	"		.5	12.3	"		58.0	12.3	"
	51.0	12.3	К		25.0	12.3	"		.5	12.2	"
	.5	12.3	"		.5	12.3	"		59.0	12.2	"
	52.0	12.3	"		26.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"	23	00.0	12.2	"
	53.0	12.3	"		27.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		01.0	12.2	"
	54.0	12.3	"		28.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		02.0	12.3	"
	55.0	12.2	"		29.0	12.3	"		.5	12.3	"
	.5	12.2	"		.5	12.3	"		03.0	12.3	"
	56.0	12.3	"		30.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		04.0	12.3	"
	57.0	12.3	"		31.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		05.0	12.3	"
	58.0	12.3	"		32.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		06.0	12.2	"
	59.0	12.3	"		33.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		07.0	12.2	"
22	00.0	12.3	"		34.0	12.3	"		.5	12.2	"
	.5	12.4	"		.5	12.3	"		08.0	12.3	"
	01.5	12.3	"		35.0	12.3	"		.5	12.3	"
	02.0	12.3	"		.5	12.3	"		09.0	12.3	"
	.5	12.4	"		36.0	12.4	"		.5	12.3	"
	03.0	12.3	"		.5	12.3	"		10.0	12.3	Ц
	.5	12.3	"		37.0	12.3	"		.5	12.3	"
	04.0	12.3	"		.5	12.3	"		11.0	12.3	"
	.5	12.3	"		38.0	12.3	"		.5	12.3	"
	05.0	12.3	"		.5	12.3	"		12.0	12.3	"
	.5	12.4	"		39.0	12.3	"		.5	12.4	"
	06.0	12.3	М		.5	12.3	"		13.0	12.3	"
	.5	12.3	"		40.0	12.3	"		.5	12.3	"
	07.0	12.3	"		.5	12.3	"		14.0	12.3	"
	.5	12.3	"		41.0	12.3	"		.5	12.3	"

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Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
16	23 ^h 15 ^m 0	12.3	II	16	23 ^h 50 ^m 0	12.3	M	17	0 ^h 23 ^m 5	12.5	II
	.5	12.3	"		.5	12.5	"		24.0	12.5	"
	16.0	12.3	"		51.0	(12.0	"		.5	12.5	"
	.5	12.3	"		.5	12.3	"		25.0	12.3	K
	17.0	12.3	"		52.0	(12.0	"		26.0	12.3	"
	.5	12.3	"		.5	(12.0	"		.5	12.3	"
	18.0	12.3	"		53.0	12.2	"		27.5	12.3	"
	.5	12.4	"		.5	12.2	"		28.0	12.3	"
	19.0	12.4	"		54.0	12.3	"		.5	12.4	"
	.5	12.3	"		.5	12.3	"		29.0	12.2	"
	20.0	12.3	"		55.0	12.3	"		.5	12.3	"
	.5	12.4	"		.5	12.3	"		30.0	12.4	"
	21.0	12.4	"		56.0	12.3	"		.5	12.4	"
	.5	12.4	"		.5	12.2	"		31.0	12.3	"
	22.0	12.4	"		57.0	12.3	"		.5	12.3	"
	.5	12.4	"		.5	12.3	"		32.0	12.4	"
	23.0	12.4	"		58.0	12.4	"		.5	12.4	"
	.5	12.3	"		.5	12.4	"		33.0	12.3	"
	24.0	12.4	"		59.0	12.3	"		.5	12.3	"
	.5	12.4	"		.5	12.3	"		34.0	12.3	"
	25.0	12.3	K	17	0 00.0	12.3	"		35.0	12.4	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	26.0	12.3	"		01.0	12.3	"		36.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	27.0	12.3	"		02.0	12.3	"		37.5	12.3	"
	.5	12.3	"		.5	12.3	"		38.0	12.3	"
	28.0	12.3	"		03.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		39.0	12.3	"
	29.0	12.3	"		04.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		40.0	12.3	M
	30.0	12.3	"		05.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		41.0	12.2	"
	31.0	12.3	"		06.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		42.0	12.3	"
	32.0	12.4	"		07.0	12.3	II		.5	12.3	"
	33.0	12.3	"		.5	12.3	"		43.0	12.3	"
	.5	12.3	"		08.0	12.3	"		.5	12.3	"
	34.0	12.3	"		.5	12.4	"		44.0	12.2	"
	.5	12.3	"		09.0	12.4	"		.5	12.2	"
	35.0	12.3	"		.5	12.4	"		45.0	12.3	"
	.5	12.3	"		10.0	12.4	"		.5	12.3	"
	36.0	12.3	"		.5	12.4	"		46.0	12.3	"
	37.0	12.3	"		11.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.4	"		47.0	12.3	"
	38.0	12.3	"		12.0	12.4	"		.5	12.3	"
	.5	12.2	"		.5	12.3	"		48.0	12.3	"
	39.5	12.3	"		13.0	12.3	"		.5	12.3	"
	40.0	12.3	"		.5	12.3	"		49.0	12.3	"
	.5	12.3	"		14.0	12.3	"		.5	12.3	"
	41.0	12.3	"		.5	12.3	"		50.0	12.3	"
	.5	12.3	"		15.0	12.2	"		.5	12.3	"
	42.0	12.3	"		.5	12.3	"		51.0	12.3	"
	.5	12.4	"		16.0	12.3	"		.5	12.2	"
	43.0	12.3	"		.5	12.3	"		52.0	12.3	"
	.5	12.3	"		17.0	12.3	"		.5	12.3	"
	44.0	12.3	"		.5	12.3	"		53.0	12.3	"
	.5	12.2	"		18.0	12.3	"		.5	12.3	"
	45.0	12.3	"		.5	12.3	"		54.0	12.3	"
	.5	12.3	"		19.0	12.4	"		.5	12.3	"
	46.0	12.3	"		.5	12.3	"		55.0	12.3	"
	.5	12.3	"		20.0	12.3	"		56.0	12.3	I
	47.0	12.2	M		.5	12.4	"		.5	12.3	"
	.5	12.3	"		21.0	12.4	"		57.0	12.3	"
	48.0	12.3	"		.5	12.4	"		.5	12.3	"
	.5	12.3	"		22.0	12.5	"		58.0	12.4	"
	49.0	12.3	"		.5	12.5	"		.5	12.3	"
	.5	12.3	"		23.0	12.5	"		59.0	12.4	"

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
17	0 ^h 59 ^m 5	12.4	Π	17	1 ^h 34 ^m 0	12.3	M	17	20 ^h 15 ^m 1	12.3	Π
	1 00.0	12.4	"		.5	12.3	"		.6	12.3	"
	.5	12.5	"		35.0	12.3	"		16.1	12.3	"
	01.0	12.5	"		.5	12.3	"		.6	12.4	"
	.5	12.5	"		36.0	12.3	"		17.1	12.3	"
	02.0	12.4	"		.5	12.3	"		.6	12.3	"
	.5	12.4	"		37.0	12.3	"		18.1	12.2	"
	03.0	12.4	"		.5	12.3	"		.6	12.2	"
	.5	12.4	"		38.0	12.3	"		19.1	12.3	"
	04.0	12.5	"		.5	12.3	"		20.6	12.3	K
	.5	12.5	"		39.0	12.3	"		21.1	12.3	"
	05.0	12.4	"		.5	12.2	"		.6	12.3	"
	.5	12.4	"		40.0	(12.0	"		22.1	(10.4	"
	06.0	12.5	"		.5	(12.0	"		.6	12.3	"
	.5	12.5	"		41.0	(12.0	"		23.1	12.3	"
	07.0	12.4	"		.5	(12.0	"		.6	12.3	"
	.5	12.4	"		42.0	12.3	"		24.1	12.3	"
	08.0	12.4	"		.5	12.2	"		.6	12.3	"
	.5	12.4	"		43.0	12.3	"		25.1	12.3	"
	09.0	12.5	"		.5	12.2	"		.6	12.3	"
	.5	12.4	"		44.0	(12.0	"		26.1	12.3	"
	10.0	12.4	"		.5	(10.4	"		.6	12.3	"
	.5	12.4	"		45.0	(10.4	"	21	39.6	12.3	M
	11.0	12.5	"		.5	(10.4	"		40.1	12.3	"
	.5	12.4	"		46.0	(10.4	"		.6	12.3	"
	12.0	12.4	K		.5	(10.4	"		41.1	12.3	"
	.5	12.3	"		47.0	(10.4	"		.6	12.3	"
	13.0	12.3	"		.5	(10.4	"		42.1	12.3	"
	.5	12.3	"		48.0	(12.0	"		.6	12.3	"
	14.0	12.3	"		.5	12.2	"		43.1	12.3	"
	.5	12.3	"		49.0	(12.0	"		.6	12.3	"
	15.0	12.3	"		.5	12.2	"		44.1	12.3	"
	.5	12.3	"		50.0	(12.0	"		.6	12.3	"
	16.0	12.3	"		.5	(12.0	"		45.1	12.2	"
	.5	12.3	"		51.0	(12.0	"		.6	12.3	"
	17.0	12.3	"		.5	(12.0	"		46.1	12.3	"
	.5	12.3	"		52.0	12.4	Π		.6	12.3	"
	18.0	12.3	"		.5	(12.0	"		47.1	12.3	"
	.5	12.3	"		53.0	(12.0	"		.6	12.3	"
	19.0	12.3	"		.5	12.3	"		48.1	12.3	"
	.5	12.3	"		.5	(12.0	"		.6	12.3	"
	20.0	12.2	"		55.0	12.3	"		49.1	12.3	"
	.5	12.4	"		.5	(12.0	"		.6	12.3	"
	21.0	12.2	"		56.0	(12.0	"		50.1	12.3	"
	.5	12.3	"		.5	12.3	"		.6	12.3	"
	22.0	12.3	"		57.0	12.3	"		51.1	12.3	"
	.5	12.3	"		.5	12.3	"		.6	12.2	"
	23.0	12.3	"		58.0	12.2	"		52.1	12.3	"
	.5	12.3	"		.5	(12.0	"		.6	12.3	"
	25.0	12.1:	"		59.0	12.3	"		53.1	12.3	"
	.5	12.3	"		.5	12.3	"		.6	12.3	"
	26.0	12.3	"	2	00.0	(12.0	"		54.1	12.3	"
	.5	12.3	"		.5	12.3	"		.6	12.3	"
	27.0	12.3	"		01.0	12.2	"		55.1	12.3	Π
	.5	12.3	M		.5	12.2	"		.6	12.3	"
	28.0	12.2	"		02.0	(12.0	"		56.1	12.2	"
	.5	(12.0	"		.5	(12.0	"		.6	12.3	"
	29.0	(12.0	"	20	00.1	(12.0	"		57.1	12.3	"
	.5	12.3	"		.6	12.2:	"		.6	12.3	"
	30.0	12.4	"		11.1	12.1:	"		58.1	12.3	"
	.5	12.3	"		.6	12.1:	"		.6	12.3	"
	31.0	12.4	"		12.1	(12.0	"		59.1	12.3	"
	.5	12.3	"		.6	12.2:	"		.6	12.3	"
	32.0	12.3	"		13.1	12.2:	"	22	00.1	(12.0	"
	.5	12.3	"		.6	12.2:	"		.6	12.3	"
	33.0	12.4	"		14.1	12.3	"		01.1	(12.0	"
	.5	12.3	"		.6	12.3:	"		.6	12.3	"

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
17 22 ^h	02.1	12.2	II	19 20 ^h	19.0	12.2	K	19 20 ^h	52.5	12.2	II
	.6	12.3	"		.5	12.3	"		53.0	12.4	"
	03.1	12.4	"		20.0	12.3	"		.5	12.3	"
	.6	12.3	"		.5	12.3	"		54.0	12.4	"
	04.1	12.3	"		21.0	12.3	"		.5	12.3	"
	.6	12.3	"		.5	12.4	"		55.0	12.3	"
	05.1	12.2	"		22.0	12.4	"		.5	12.4	"
	.6	12.4	"		.5	12.3	"		56.0	12.2	"
	06.1	12.3	"		23.0	12.3	"		.5	12.3	"
	.6	12.3	"		.5	12.3	"		57.0	12.4	"
	07.1	12.3	"		24.0	12.3	"		.5	12.4	"
	.6	12.4	"		.5	12.4	"		58.0	12.3	"
	08.1	12.3	"		25.0	12.3	"		.5	12.4	"
	.6	12.3:	"		.5	12.3	"		59.0	12.3	"
	09.1	12.4	"		26.0	12.4	"		.5	12.4	"
	.6	12.4	"		.5	12.3	"	21	00.0	12.4	"
	10.1	12.4	"		27.0	12.3	"		.5	12.5	"
	.6	12.3	K		.5	12.4	"		01.0	12.5	"
	11.1	12.3	"		28.0	12.4	"		.5	12.4	"
	24.6	12.4	"		.5	12.3	"		02.0	12.3	K
	25.1	12.4	"		29.0	12.3	"		.5	12.3	"
	29.6	12.3	"		.5	12.2	"		03.0	12.3	"
	31.6	12.3	"		30.0	12.3	"		.5	12.3	"
	32.1	12.3	M		.5	12.1	M		04.0	12.2	"
	.6	(10.4	"		31.0	12.2	"		.5	12.3	"
	33.1	12.2	"		.5	12.2	"		05.0	12.3	"
	37.6	12.2	"		32.0	12.2	"		.5	12.3	"
	42.6	(10.4	"		.5	12.2	"		06.0	12.4	"
	44.1	12.3	"		33.0	12.2	"		.5	12.3	"
19 20	00.0	12.2	II		.5	12.2	"		07.0	12.3	"
	.5	12.2:	"		34.0	12.1	"		.5	12.3	"
	01.0	12.2	"		.5	12.2	"		08.0	12.4	"
	.5	12.2	"		35.0	12.3	"		.5	12.2	"
	02.0	12.2	"		.5	12.1	"		09.0	12.2	"
	.5	12.2	"		36.0	12.1	"		.5	12.3	"
	03.0	12.2	"		.5	12.2	"		10.0	12.2	"
	.5	12.2	"		37.0	12.2	"		.5	12.0:	"
	04.0	12.3	"		.5	12.0	"		11.0	12.3	"
	.5	12.2	"		38.0	12.0	"		.5	12.3	"
	05.0	12.3	"		.5	12.0	"		12.0	12.3	"
	.5	12.3	"		39.0	12.0	"		.5	12.2	"
	06.0	12.1	"		.5	12.1:	"		13.0	12.2	"
	.5	12.2	"		40.0	12.2	"		.5	12.3	"
	07.0	12.1	"		.5	12.2	"		14.0	12.3	"
	.5	12.1	"		41.0	12.2	"		.5	12.3	"
	08.0	12.2	"		.5	12.2	"		15.0	12.3	"
	.5	12.1	"		42.0	12.3	"		.5	12.2	"
	09.0	12.2	"		.5	12.2	"		16.0	12.3	"
	.5	12.2	"		43.0	12.2	"		.5	12.3	"
	10.0	12.2	"		.5	12.2	"		17.0	12.2	M
	.5	12.1	"		44.0	12.2	"		.5	12.3	"
	11.0	12.1	"		.5	12.2	"		18.0	12.2	"
	.5	12.1	"		45.0	12.2	"		.5	12.2	"
	12.0	12.1	"		.5	12.3	"		19.0	12.2	"
	.5	12.2	"		46.0	12.2	"		.5	12.2	"
	13.0	12.1	"		.5	12.4	II		20.0	12.1	"
	.5	12.2	"		47.0	12.4	"		.5	12.2	"
	14.0	12.2	"		.5	12.4	"		21.0	12.2	"
	.5	12.1	"		48.0	12.3	"		.5	12.3	"
	15.0	12.2	"		.5	12.4	"		22.0	12.2	"
	.5	12.3	K		49.0	12.4	"		.5	12.2	"
	16.0	12.3	"		.5	12.4	"		23.0	12.2	"
	.5	12.3	"		50.0	12.3	"		.5	12.2	"
	17.0	12.3	"		.5	12.3	"		24.0	12.2	"
	.5	12.3	"		51.0	12.3	"		.5	12.2	"
	18.0	12.2	"		.5	12.4	"		25.0	12.2	"
	.5	12.3	"		52.0	12.2	"		.5	12.2	"

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Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
19	21 ^h 26 ^m 0	12.2	M	19	22 ^h 00 ^m 0	12.2	K	19	22 ^h 34 ^m 0	12.3	Ц
	.5	12.2	"		.5	12.3	"		.5	12.4	"
	27.0	12.3	"		01.0	12.4	"		35.0	12.4	"
	.5	12.2	"		.5	12.3	"		36.0	12.3	K
	28.0	12.2	"		02.0	12.0	"		37.0	12.3	"
	.5	12.2	"		.5	12.3	"		.5	12.3	"
	29.0	12.2	"		03.0	12.3	M		38.0	12.4	"
	.5	12.2	"		.5	12.2	"		.5	12.4	"
	30.0	12.3	"		04.0	12.2	"		39.0	12.3	"
	.5	12.3	"		.5	12.2	"		.5	12.3	"
	31.0	12.2	"		05.0	12.2	"		40.0	12.4	"
	.5	12.3	"		.5	12.2	"		.5	12.3	"
	32.0	12.3	"		06.0	12.2	"		41.0	12.3	"
	.5	12.3	Ц		.5	12.3	"		.5	12.3	"
	33.0	12.4	"		07.0	12.2	"		42.0	12.2	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	34.0	12.3	"		08.0	12.2	"		43.0	12.3	"
	.5	12.3	"		.5	12.2	"		.5	12.3	"
	35.0	12.3	"		09.0	12.3	"		44.0	12.4	"
	.5	12.4	"		.5	12.3	"		.5	12.3	"
	36.0	12.3	"		10.0	12.3	"		45.0	(12.0	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	37.0	12.3	"		11.0	12.3	"		46.0	12.3	"
	.5	12.3	"		.5	12.2	"		.5	(12.0	"
	38.0	12.3	"		12.0	12.2	"		47.0	12.4	"
	.5	12.4	"		.5	12.3	"		.5	12.3	"
	39.0	12.4	"		13.0	12.3	"		48.0	12.3	"
	.5	12.4	"		.5	12.3	"		.5	12.3	"
	40.0	12.3	"		14.0	12.2	"		49.0	12.4	"
	.5	12.3	"		.5	12.4	"		.5	(12.0	"
	41.0	12.3	"		15.0	(12.0	"		50.0	12.4	"
	.5	12.3	"		.5	12.2	"		.5	12.4	"
	42.0	12.3	"		16.0	12.2	"		51.0	12.3	M
	.5	12.3	"		.5	12.2	"		.5	12.3	"
	43.0	12.3	"		17.0	(12.0	"		52.0	12.2	"
	.5	12.2	"		.5	12.2	"		.5	12.2	"
	44.0	12.3	"		18.0	12.2	"		53.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	45.0	12.3	"		19.0	12.3	"		54.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.2	"
	46.0	12.3	"		20.0	12.3	"		55.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	47.0	12.3	"		21.0	12.4	"		56.0	12.3	"
	.5	12.4	"		.5	12.4	"		.5	12.2	"
	48.0	12.3	K		22.0	12.4	"		57.0	12.2	"
	.5	12.4	"		.5	12.3	"		.5	12.2	"
	49.0	12.3	"		23.0	12.3	"		58.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	50.0	12.3	"		24.0	12.2	"		59.0	12.3	"
	.5	12.4	"		.5	12.4	Ц		.5	12.2	"
	51.0	12.3	"		25.0	12.3	"	23	00.0	12.2	"
	.5	12.3	"		.5	12.3	"		.5	12.2	"
	52.0	12.4	"		26.0	12.2	"		01.0	12.2	"
	.5	12.4	"		.5	12.3	"		.5	12.2	"
	53.0	12.4	"		27.0	12.2	"		02.0	12.2	"
	.5	12.4	"		.5	12.4	"		.5	(12.0	"
	54.0	12.3	"		28.0	12.4	"		03.0	11.9	"
	.5	12.4	"		.5	12.4	"		.2	10.9	"
	55.0	12.4	"		29.0	12.3	"		.25	10.4	"
	.5	12.3	"		.5	12.3	"		.3	10.5	"
	56.0	12.3	"		30.0	12.4	"		.4	10.5	"
	.5	12.4	"		.5	12.2	"		.5	10.8	"
	57.0	12.3	"		31.0	12.3	"		.7	11.0	"
	.5	12.4	"		.5	12.4	"		.8	11.4	"
	58.0	12.3	"		32.0	12.3	"		.9	11.4	"
	.5	12.3	"		.5	12.3	"	04.0	11.5	"	
	59.0	12.2	"		33.0	12.3	"		.1	11.5	"
	.5	12.2	"		.5	12.3	"		.2	11.5	"

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Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
19	23 ^h 04 ^m .4	11.5	M	19	23 ^h 36 ^m .0	12.4	K	21	21 ^h 24 ^m .0	(12.0	M
	.5	11.6	"		.5	(12.0	"		.5	12.1:	"
	.7	11.7	"		37.0	12.2	"		25.0	12.2	"
	05.0	11.8	"		.5	(12.0	"		.5	12.2	"
	.2	11.9	"		38.0	(12.0	"		26.0	12.3	"
	.4	11.8	"		.5	12.2	"		.5	12.3	K
	.8	11.9	"		39.0	12.3	"		27.0	12.3	"
	06.2	12.0	"		.5	12.3	"		.5	12.3	"
	.4	12.0	"		40.0	12.3	"		28.0	12.3	"
	07.0	12.2	Π		.5	12.2	"		.5	12.3	"
	.5	12.2	"		41.0	12.2	"		29.0	12.3	"
	08.0	12.2	"		.5	12.3	"		.5	12.3	"
	.5	12.2	"		43.0	(12.0	M		30.0	12.3	"
	09.0	12.3	"		.5	12.2	"		.5	12.3	"
	.5	12.4	"		44.0	12.3	"		31.0	12.3	"
	10.0	12.4	"		.5	12.2	"		.5	12.3	"
	.5	12.4	"		45.0	12.3	"		32.0	12.3	"
	11.0	12.3	"		.5	12.3	"		.5	12.3	"
	.5	12.3	"		46.0	12.3	"		33.0	12.3	"
	12.0	12.3	"		.5	12.3	"		.5	12.3	"
	.5	12.4	"		47.0	12.3	"		34.0	12.3	"
	13.0	12.4	"		.5	12.3	"		.5	12.3	"
	.5	12.4	"	20	0 05.0	12.3	Π		35.0	12.3	"
	14.0	12.4	"		.5	(12.0	"		.5	12.3	"
	.5	12.4	"		06.0	12.3	"		36.0	12.3	"
	15.0	12.4	"		.5	12.3	"		.5	12.3	"
	.5	12.4	"		07.0	12.3	"		37.0	12.3	"
	16.0	12.4	"		.5	12.3	"		.5	12.3	"
	.5	12.4	"		08.0	12.3	"		38.0	12.3	"
	17.0	12.3	"		.5	(12.0	"		.5	12.3	"
	.5	12.3	"		09.0	(12.0	"		39.0	12.3	"
	18.0	12.4	"		.5	(12.0	"		.5	12.3	"
	.5	12.4	"		10.0	(12.0	"		40.0	12.3	"
	19.0	12.4	"		.5	(12.0	"		.5	12.3	"
	.5	12.4	"		11.0	(12.0	"		41.0	12.3	"
	20.0	12.4	"		.5	(12.0	"		.5	12.3	"
	.5	12.4	"		12.0	12.3	"		42.0	12.3	M
	21.0	12.3	"		.5	(12.0	"		.5	12.3	"
	.5	12.4	"		13.0	(12.0	"		43.0	12.3	"
	22.0	12.4	"		.5	(12.0	"		.5	12.3	"
	.5	12.3	K		14.0	(12.0	"		44.0	12.3	"
	23.0	12.4	"	21	21 11.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		45.0	12.3	"
	24.0	12.3	"		12.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		46.0	12.3	"
	25.0	12.3	"		13.0	12.3	"		.5	12.3	"
	.5	(12.0	"		.5	12.3	M		47.0	12.3	"
	26.0	12.4	"		14.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		48.0	12.3	"
	27.0	12.4	"		15.0	12.3	"		.5	12.3	"
	.5	12.3	"		.5	12.3	"		49.0	12.2	"
	28.0	12.4	"		16.0	12.2	"		.5	12.3	"
	.5	12.4	"		.5	(10.4	"		50.0	12.3	"
	29.0	12.3	"		17.0	(12.0	"		.5	12.3	"
	.5	12.3	"		.5	(12.0	"		51.0	12.3	"
	30.0	12.4	"		18.0	(12.0	"		.5	12.3	"
	.5	12.3	"		.5	(12.0	"		52.0	12.2	"
	31.0	12.4	"		19.0	(12.0	"		.5	12.3	"
	.5	12.4	"		.5	(12.0	"		53.0	12.3	"
	32.0	12.3	"		20.0	(12.0	"		.5	12.3	"
	.5	12.3	"		.5	(12.0	"		54.0	12.3	"
	33.0	12.3	"		21.0	(12.0	"		.5	12.3	"
	.5	12.3	"		.5	(12.0	"		55.0	12.2	"
	34.0	12.3	"		22.0	(12.0	"		.5	(12.0	"
	.5	12.2	"		.5	(12.0	"		56.0	(12.0	"
	35.0	12.2	"		23.0	(12.0	"		.5	(12.0	"
	.5	12.3	"		.5	(12.0	"		57.0	(12.0	"

Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		
21	21 ^h 57 ^m .5	(12.0	K	21	22 ^h 31 ^m .0	12.3	K	21	23 ^h 04 ^m .5	12.3	K	
	58.0	12.4	"		.5	12.3	"		05.0	12.3	"	
	.5	12.4	"		32.0	12.3	"		.5	12.3	"	
	59.0	(12.0	"		.5	12.3	"		06.0	12.3	"	
	.5	12.4	"		33.0	12.3	"		.5	12.2	"	
	00.0	12.4	"		.5	12.3	"		07.0	12.3	"	
	.5	12.3	"		34.0	12.3	"		.5	12.3	"	
	01.0	12.3	"		.5	12.3	"		08.0	12.3	"	
	.5	12.3	"		35.0	12.3	"		.5	12.3	"	
	02.0	12.3	"		.5	12.3	"		09.0	12.3	"	
	.5	12.3	"		36.0	12.3	"		.5	12.3	"	
	03.0	12.3	"		.5	12.3	"		10.0	12.3	"	
	.5	12.3	"		37.0	12.3	"		.5	12.4	"	
	04.0	12.3	"		.5	12.3	"		11.0	12.3	"	
	.5	12.3	"		38.0	12.3	"		.5	12.3	"	
	05.0	12.3	"		.5	12.3	"		12.0	12.2	"	
	.5	12.3	"		39.0	12.2	"		.5	12.3	"	
	06.0	12.3	"		.5	12.3	"		13.0	12.3	"	
	.5	12.3	"		40.0	12.3	"		.5	12.3	"	
22	07.0	12.3	"		.5	12.3	"		14.0	12.3	"	
	.5	12.3	"		41.0	12.3	"		.5	12.3	"	
	08.0	12.3	"		.5	12.3	"		15.0	12.3	M	
	.5	12.3	"		42.0	12.3	"		.5	12.3	"	
	09.0	12.3	"		.5	12.3	"		16.0	12.3	"	
	.5	12.3	"		43.0	12.3	"		.5	12.3	"	
	10.0	12.3	"		.5	12.3	"	22	20	20.8	12.1	Π
	.5	12.3	"		44.0	12.3	M		21.5	12.1	"	
	11.0	12.3	"		.5	12.3	"		22.0	12.2	"	
	.5	12.2	"		45.0	12.3	"		.5	12.2	"	
	12.0	12.2	"		.5	12.3	"		23.0	12.2	"	
	.5	12.3	"		46.0	12.3	"		.5	12.2	"	
	13.0	12.3	M		.5	12.3	"		24.0	12.2	"	
	.5	12.3	"		47.0	12.3	"		.5	12.2	"	
	14.0	12.3	"		.5	12.3	"		25.0	12.2	"	
	.5	12.3	"		48.0	12.2	"		.5	12.2	"	
	15.0	12.3	"		.5	12.3	"		26.0	12.2	"	
	.5	12.3	"		49.0	12.3	"		.5	12.1	"	
	16.0	12.3	"		.5	12.3	"		27.0	12.1	"	
	.5	12.4	"		50.0	12.3	"		.5	12.1	"	
	17.0	12.3	"		.5	12.3	"		28.0	12.1	"	
	.5	12.3	"		51.0	12.3	"		.5	12.2	"	
	18.0	12.3	"		.5	12.3	"		29.0	12.3	"	
	.5	12.4	"		52.0	12.3	"		.5	12.3	"	
	19.0	12.4	"		.5	12.3	"		30.0	12.3	"	
	.5	12.3	"		53.0	12.3	"		.5	12.2	"	
	20.0	12.4	"		.5	12.3	"		31.0	12.3	"	
	.5	12.4	"		54.0	12.3	"		.5	12.2	"	
	21.0	12.3	"		.5	12.3	"		32.0	12.2	"	
	.5	12.3	"		55.0	12.3	"		.5	12.3	"	
	22.0	12.3	"		.5	12.3	"		33.0	12.3	"	
	.5	12.3	"		56.0	12.3	"		.5	12.3	K	
	23.0	12.3	"		.5	12.4	"		34.0	12.3	"	
	.5	12.3	"		57.0	12.4	"		.5	12.3	"	
	24.0	12.3	"		.5	12.4	"		35.0	12.3	"	
	.5	12.3	"		58.0	12.3	"		.5	12.3	"	
	25.0	12.3	"		.5	12.3	"		36.0	12.3	"	
	.5	12.3	"		59.0	12.3	"		.5	12.3	"	
	26.0	12.3	"		.5	12.3	K		37.0	12.3	"	
	.5	12.3	"	23	00.0	12.4	"		.5	12.3	"	
	27.0	12.3	"		.5	12.3	"		38.0	12.3	"	
	.5	12.3	"		01.0	12.3	"		.5	12.3	"	
	28.0	12.3	"		.5	12.4	"		39.0	12.3	"	
	.5	12.3	K		02.0	12.3	"		.5	12.3	"	
	29.0	12.3	"		.5	12.4	"		40.0	12.3	"	
	.5	12.3	"		03.0	12.4	"		.5	12.3	"	
	30.0	12.3	"		.5	12.3	"		41.0	12.3	"	
	.5	12.3	"		04.0	12.3	"		.5	12.3	"	

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Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
22	20 ^h 42 ^m 0	12.3	K	22	21 ^h 16 ^m 0	12.3	II	22	21 ^h 52 ^m 0	12.3	M
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	43.0	12.3	"		17.0	12.3	"		53.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	44.0	12.3	"		18.0	12.3	"		54.0	12.3	"
	.5	12.3	"		.5	12.4	"		.5	12.3	"
	45.0	12.3	"		19.0	12.3	"		55.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	II
	46.0	12.3	"		20.0	12.3	"		56.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	47.0	12.3	"		21.0	12.3	"		57.0	12.2	"
	.5	12.3	"		.5	12.3	"		.5	12.2	"
	48.0	12.3	"		22.0	12.3	K		58.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	49.0	12.3	"		23.0	12.3	"	22	00.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	50.0	12.3	"		24.0	12.3	"		01.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	51.0	12.3	M		25.0	12.3	"		02.0	12.3	"
	.5	12.2	"		.5	12.3	"		.5	12.3	"
	52.0	12.3	"		26.0	12.3	"		03.0	12.3	"
	.5	12.3	"		.5	12.2	"		.5	12.3	"
	53.0	12.3	"		28.0	12.3	"		04.0	12.1	"
	.5	12.3	"		29.0	12.3	"		.5	12.2	"
	54.0	12.3	"		.5	12.3	"		05.0	12.3	"
	.5	12.3	"		30.0	12.3	"		.5	12.3	"
	55.0	12.3	"		.5	12.3	"		06.0	12.3	"
	.5	12.3	"		31.0	12.3	"		.5	12.2	"
	56.0	12.3	"		.5	12.3	"		07.0	12.2	"
	.5	12.3	"		32.0	12.3	"		.5	12.2	"
	57.0	12.3	"		33.0	12.3	"		08.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.2	"
	58.0	12.3	"		34.0	12.3	"		09.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.2	"
	59.0	12.2	"		35.0	12.3	"		10.0	12.2	"
	.5	12.2	"		.5	12.3	"		.5	12.3	"
21	00.0	12.3	"		36.0	12.3	"		11.0	12.3	K
	.5	12.2	"		.5	12.3	"		.5	12.3	"
	01.0	12.3	"		37.0	12.3	"		12.0	12.3	"
	.5	12.2	"		.5	12.3	"		.5	12.3	"
	02.0	12.2	"		38.0	12.3	"		13.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	03.0	12.4	"		39.0	12.2	M		14.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	04.0	12.3	"		40.0	12.3	"		15.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	05.0	12.3	"		41.0	12.3	"		16.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	06.0	12.2	II		42.0	12.3	"		17.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	07.0	12.3	"		43.0	12.3	"		18.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	08.0	12.3	"		44.0	12.3	"		19.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	09.0	12.2	"		45.0	12.3	"		20.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	10.0	12.3	"		46.0	12.3	"		21.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	11.0	12.3	"		47.0	12.3	"		22.0	12.3	"
	.5	12.2	"		.5	12.3	"		.5	12.3	"
	12.0	12.3	"		48.0	12.3	"		23.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.3	"
	13.0	12.3	"		49.0	12.3	"		24.5	12.3	"
	.5	12.2	"		.5	12.3	"		.5	12.3	"
	14.0	12.3	"		50.0	12.3	"		25.0	12.3	"
	.5	12.3	"		.5	12.3	"		.5	12.2	M
	15.0	12.3	"		51.0	12.3	"		26.0	12.2	"
	.5	12.3	"		.5	12.3	"		.5	12.2	"
									27.0	12.3	"

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Таблица 3 (продолжение).

Окт. 1963	U. T.	m _v	Окт. 1963	U. T.	m _v	Окт. 1963	U. T.	m _v
22	22 ^h 27 ^m 5	12.3	22	22 ^h 01 ^m 5	12.3	22	23 ^h 35 ^m 5	12.4: II
	28.0	12.3		02.0	12.3		36.0	12.4 "
	.5	12.3		.5	12.3		.5	12.4 "
	29.0	12.2		03.0	12.3		37.0	12.5 "
	.5	12.2		.5	12.3		.5	12.4 "
	30.0	12.3		04.0	12.3		38.0	12.4 "
	.5	12.3		.5	12.3		.5	12.4: "
	31.0	12.2		05.0	12.3		39.0	12.4 "
	.5	12.2		.5	12.3		.5	12.4 "
	32.0	12.2		06.0	12.3		40.0	12.4 "
	.5	12.3		.5	12.3		.5	12.4 "
	33.0	12.3		07.0	12.3		41.0	12.3: "
	.5	12.3		.5	12.3		.5	12.3: "
	34.0	12.3		08.0	12.3		42.0	12.3 "
	.5	12.2		.5	12.3		.5	12.3 "
	35.0	12.3		09.0	12.3		43.0	12.4 "
	.5	12.3		.5	12.3		.5	12.4 "
	36.0	12.3		10.0	12.3		44.0	12.4 "
	.5	12.3		.5	12.3		.5	12.4 "
	37.0	12.3		11.0	12.3		45.0	12.4 "
	.5	12.2		.5	12.3		.5	12.3 "
	38.0	12.4		12.0	12.3		46.0	12.4 "
	.5	12.3		.5	12.3		.5	12.4 "
	39.0	12.2		13.0	12.3		47.0	12.4 K
	.5	12.3		.5	12.3		.5	12.3 "
	40.0	12.3		14.0	12.3		48.0	12.3 "
	.5	12.3		.5	12.3		.5	12.4 "
	41.0	12.3		15.0	12.3		49.0	12.3 "
	.5	12.2		.5	12.3		.5	12.3 "
	42.0	12.3		16.0	12.3		50.0	12.2 "
	.5	12.3		.5	12.3		.5	(12.0 "
	43.0	12.3 II		17.0	12.3		51.0	12.2 "
	.5	12.3 "		.5	12.3		.5	12.4 "
	44.0	12.3 "		18.0	12.3		52.0	12.2 "
	.5	12.3 "		.5	12.3		.5	(12.0 "
	45.0	12.3 "		19.0	12.2		53.0	12.2 "
	.5	12.4 "		.5	12.3		.5	(12.0 "
	46.0	12.4 "		20.0	12.3		54.5	12.3 "
	.5	12.3 "		.5	12.2		55.0	12.4 "
	47.0	12.4 "		21.0	12.3		.5	(12.0 "
	.5	12.3 "		.5	12.3		56.0	12.3 "
	48.0	12.4 "		22.0	12.3		.5	12.4 "
	.5	12.3 "		.5	12.3		57.0	(12.0 "
	49.0	12.4 "		23.0	12.3		.5	12.3 "
	.5	12.4 "		.5	12.3		58.0	12.3 "
	50.0	12.4 "		24.0	12.3		.5	12.2 "
	.5	12.4 "		.5	12.3		59.5	12.2 "
	51.0	12.4 "		25.0	12.3	23	0	00.0 12.2 "
	.5	12.4 "		.5	12.3		.5	12.3 "
	52.0	12.4 "		26.0	12.3		01.0	12.3 "
	.5	12.4 "		.5	12.3		.5	12.3 "
	53.0	12.4 "		27.0	12.3		02.0	12.2 "
	.5	12.4 "		.5	12.3		.5	12.2 M
	54.0	12.4 "		28.0	12.3		03.0	12.2 "
	.5	12.4 "		.5	12.3		.5	12.2 "
	55.0	12.3 "		29.0	12.3		04.0	12.1 "
	.5	12.3 "		.5	12.2		.5	12.2 "
	56.0	12.3 "		30.0	12.3		05.0	12.2 "
	.5	12.3 "		.5	12.2		.5	12.2 "
	57.0	12.3 "		31.0	12.3 II		06.0	(10.4 "
	.5	12.4 "		.5	12.3 "		.5	12.2 "
	58.0	12.4 "		32.0	12.4 "		07.0	12.2 "
	.5	12.4 "		.5	12.4 "		.5	12.1 "
	59.0	12.3 "		33.0	12.4 "		08.0	12.2 "
	.5	12.3 "		.5	12.5 "		.5	12.2 "
23	00.0	12.4 "		34.0	12.5 "		09.0	12.2 "
	.5	12.3 K		.5	12.5 "		.5	(10.4 "
	01.0	12.3 "		35.0	12.5: "		10.0	12.2 "
							.5	12.3 "

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Таблица 3 (окончание).

Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v		Окт. 1963	U. T.	m _v	
23	0 ^h 11 ^m 0	(12.0	M	23	0 ^h 25 ^m 0	12.1	II	23	0 ^h 39 ^m 5	(12.0	K
	.5	12.2:	"		.5	12.3	"		40.0	12.3	"
	12.0	(10.4	"		26.0	12.4	"		.5	(10.4	"
	.5	12.1	"		.5	12.3	"		41.0	12.3	"
	13.0	(10.4	"		27.0	12.3	"		.5	12.3	"
	.5	(10.4	"		.5	12.4	"		42.0	(10.4	"
	14.0	12.2	"		28.0	12.4	"		.5	12.3	"
	.5	12.2	"		.5	12.4	"		43.0	12.3	"
	15.0	12.2	"		29.0	12.4	"		.5	12.4	"
	.5	12.2	"		.5	12.4	"		44.0	12.3	"
	16.0	12.2	"		30.0	12.4	"		.5	12.4	"
	.5	(12.0	"		.5	12.4	"		45.0	12.3	"
	17.0	(12.0	"		31.0	12.4	"		.5	12.3	"
	.5	12.2	"		.5	12.4	"		46.0	12.4	"
	18.0	(12.0	"		32.0	12.3	"		.5	12.3	"
	.5	(12.0	"		.5	12.4	"		47.0	12.3	"
	19.0	(12.0	"		33.0	12.4	"		.5	12.2	"
	.5	12.2	"		.5	12.2	"		48.0	12.2	"
	20.0	12.2	"		34.0	12.3	"		.5	(10.4	"
	.5	12.3	II		.5	12.3	"		49.0	(10.4	"
	21.0	12.4	"		35.0	12.4	"		.5	(10.4	"
	.5	12.5	"		.5	12.3:	"		50.0	12.2	"
	22.0	12.3	"		36.0	(12.0	K		.5	(10.4	"
	.5	12.3	"		.5	12.2	"		51.0	(10.4	"
	23.0	12.3	"		37.0	12.2	"		.5	(10.4	M
	.5	12.3	"		.5	12.3	"		52.0	(10.4	"
	24.0	12.3	"		38.5	12.3	"		.5	(10.4	"
	.5	12.1	"		39.0	12.2	"				

Литература:

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Одесская астрономическая обсерватория,
декабрь 1963 г.