REPORT UAG-34

WORLD DATA CENTER A
for
Solar-Terrestrial Physics

ABSORPTION DATA FOR THE IGY/IGC AND IQSY

JUNE 1974

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National Academy of Sciences

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November 20, 1974

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Errata for Report UAG-34, "Absorption Data for the IGY/IGC and IQSY"

Due to the number of errors noted in Report UAG-34, published June 1974, we are issuing this errata sheet. Though most of the errata are probably obvious to users, recipients are encouraged to incorporate these corrections into the UAG Report for clarity of the data presentation. We acknowledge with thanks the help of Richard Smith of WDC-C1 in detailing the corrections listed here.

1. Kuhlungsborn data appearing in the Report are actually A3 CW Field-Strength data. No A1 pulse echo data are available from this station.
   These A3 data appear on pages 55, 151, 152, 153, 291, 292, 293 and 294. Also, on pages 11, 12 and 14, A1 should be deleted from the Kuhlungsborn entry.

2. On pages 11, 12 and 14, change the "A3" entry for Slough to "A1."

3. On page 98, the units for this Brisbane data table should be 1.0 dB.

4. On page 106, these DeBilt data are A-values. Units should be 1.0 dB. The corresponding entry in the Monthly Median Noon Values Tables, page 33, should read "1959 A(dB)" instead of "1959 2.+5.", and the M values (median values) listed there should be multiplied by a factor of ten.

5. On pages 139 and 141, identical (except for rounding) tables for Inverness are repeated. Delete table on page 139.

6. On pages 299 and 300, the cos chi value for these Tokyo tables is 0.5.

7. On page 317, the letters C and M are reversed in this Singapore table.

8. On page 319, the Ahmedabad diurnal table is incorrect. A corrected table appears on the reverse side of this page.

9. On pages 347, 348, 374 and 381, these 1959 Canadian diurnal tables appear in the 1964-65 diurnal variations section. The tables should appear in the 1957-59 section after pages 320, 325, 329 and 336. The following note should also be attached to these tables:

   NOTE - Upper case B in original manuscript replaced here by DB (no echoes seen).
   Lower case b in original manuscript replaced here by B (echoes too weak to measure).

All data in Report UAG-34 are now available on magnetic tape either directly from NGSDC or through the co-located World Data Center A for Solar-Terrestrial Physics. Tape-to-tape copies are $50 plus cost of blank tape.

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Table Format: xx yy
xx = decibels; yy = median count

AHMEDABAD
DIURNAL VARIATIONS - MEDIANS AND COUNT
UNITS 1.0 DB

TIME 75 EMT

FREQUENCY 2.5 MHZ

	1957					1958											
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
MEDIANS	38 02	42 08	37 07	38 03	30 13	29 13	31 17	37 13	39 07	46 05	37 05	37 19	40 08	32 06	37 12	34 07	32 04
TIME	0830	0840	0810	0830	0840	0845	0845	0845	0845	0845	0840	0845	0850	0845	0845	0845	0845
MEDIANS	42 06	52 20	48 14	42 08	45 11	33 17	38 14	44 12	50 06	49 15	44 22	44 24	46 08	39 05	39 11	36 13	31 19
TIME	0910	0915	0920	0915	0910	0915	0915	0915	0925	0915	0910	0910	0910	0915	0915	0915	0915
MEDIANS	52 06	51 18	56 14	50 06	51 13	42 16	45 15	50 12	58 11	52 12	52 18	52 20	56 09	43 07	46 11	38 09	42 18
TIME	1015	1010	1015	1015	1010	1010	1010	1015	1020	1015	1010	1010	1010	1010	1010	1015	1015
MEDIANS	56 04	63 12	63 03	57 08	53 22	52 13	53 12	62 06		55 03	57 09	62 02	58 02		49 02		
TIME	1140	1145	1135	1140	1145	1140	1140	1115		1115	1110	1110	1110		1110		
MEDIANS	57 05	63 18	62 10	60 10	54 21	52 16	52 18	62 06	62 04	53 01							
TIME	1215	1210	1220	1215	1210	1215	1215	1225	1240	1215							
MEDIANS	53 06	63 18	63 12	55 11	52 19	48 18	49 15	62 04	60 09	56 09	53 05	62 08	62 01				
TIME	1310	1310	1315	1315	1315	1315	1310	1320	1320	1315	1310	1325	1325				
MEDIANS	50 08	62 19	54 14	46 15	48 21	44 23	46 18	58 12	60 12	55 11	51 15	54 18	61 07	40 07	46 11	40 12	41 11
TIME	1410	1410	1415	1415	1415	1415	1410	1410	1415	1415	1415	1410	1410	1415	1415	1415	1415
MEDIANS	43 12	48 18	48 09	37 15	40 21	37 20	39 17	49 13	53 13	46 16	46 19	48 20	50 09	35 09	39 17	34 10	35 11
TIME	1515	1515	1515	1515	1510	1510	1515	1515	1515	1515	1510	1510	1515	1510	1515	1510	1510
MEDIANS	28 10	41 19	36 11	31 13	33 15	29 21	31 17	42 16	40 13	38 10	35 18	38 18	38 08	30 07	30 15	30 13	31 11
TIME	1610	1610	1615	1615	1615	1615	1610	1615	1615	1610	1610	1610	1615	1610	1615	1610	1610
MEDIANS	30 08	31 12	25 09	24 10	20 08	22 14	19 13	28 10	32 06	28 10	28 12	30 15	36 06	24 05	15 09	16 03	24 01
TIME	1700	1710	1715	1710	1710	1710	1715	1715	1710	1710	1710	1740	1710	1710	1710	1655	1655

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JUNE 1974

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ABSTRACT: The A1 absorption data from all known stations have been collected for the periods of the IGY/IGC (1957-1959) and the IQSY (1964-1965), periods of sunspot maximum and sunspot minimum, respectively, and tabulated in a uniform manner.

INTRODUCTION

Measurement of Absorption

The measurement of absorption of waves in the ionosphere gives information on the properties of the lower E- and D-regions of the ionosphere which is difficult to obtain by other means. It is also very important for predicting the field strength of radio waves reflected in the ionosphere. The technique is difficult so that the amount of data available is small compared with those for the reflecting layers of the ionosphere.

While some of the data obtained has been circulated at least to those known to be interested, the majority is only available by application to the originators of the data or by searching for it in the World Data Centers. Sometimes this involves abstracting the data from publications mainly concerned with other disciplines.

In principle, the most important data are:

(a) Results of long sequences of systematic measurements.

(b) Results from all possible stations at times when the spatial coverage was maximum.

As the main results of the long sequences have been adequately summarized in the literature, the most pressing need is (b). However, we would stress that the data from (a) should be sent to the WDCs so that it is available for more detailed studies than those already published. It amounts, in all, to many hundreds of tables.

There are three main methods of measuring ionospheric absorption:

(a) The pulse reflection technique, method A1.

(b) The absorption of cosmic noise using a riometer, method A2.

(c) The measurement of continuous wave signals at oblique incidence, method A3.

These are complementary in general although in special cases they may measure the same quantity. Nearly all measurements have conformed to the procedures given in *Annals of the IGY* Vol. III, part II 'The Measurement of Ionospheric Absorption' (1957), supplemented, for other later data, by the *IQSY Instruction Manual No. 4* 'The Ionosphere' part II, "Absorption Measurements" (1963). The basis of the pulse method, as used to date, was summarized by W. R. Piggott in *Proc. IEE, 100*, part III, p. 61-72, No. 64, 'The Reflection and Absorption of Radio Waves in the Ionosphere' (March 1953).

The riometer method A2 is not easily usable to measure the normal D- and E-region absorption in the ionosphere though it is invaluable for studying short-lived events. Usually the accuracy of calibration is too poor, e.g. the maximum absorption at noon may be less than 0.5 dB, while the calibration accuracy is about 0.5 dB at frequencies near 30 MHz. In general it is also sensitive to absorption in the F-region which, for the frequency used, can exceed that at lower levels. Thus it is controversial whether the data are ever comparable with those obtained by the other two techniques. Apart from giving some references to sources of A2 data we do not list any A2 data.

In practice the A3 method used at HF gives data which appear to be consistent with A1 data obtained at the equivalent vertical incidence frequency, but it can also be used at lower frequencies where pulse methods are less suitable. The most detailed exposition of this method has been given by Schwentek.

Theory and Use of Absorption Data

The relation between the absorption measured at a station and the physical properties of the lower ionosphere is more complex than for most ionospheric parameters. The absorption L in decibels is related to the absorption coefficient κ integrated over the path of the wave in the ionosphere by the equations:

$$\kappa ds = - \ln\rho \tag{1}$$

$$L = - 20 \log_{10}\rho \simeq 8.7\int \kappa \, ds \tag{2}$$

where ρ is the apparent reflection coefficient of the ionosphere, i.e. the ratio of the signal amplitude actually found to that which would have been obtained with no absorption.

For an actual electron density N(h) and collision frequency $\nu(h)$ model, the absorption for any frequency can be calculated using a computer and the magneto-ionic equation. The reverse procedure is also possible in principle, though the accuracy attained depends on the frequency band available, the accuracy of the virtual height and absorption measurements and of the data used to estimate $\nu(h)$. The main features of the phenomenon may be deduced from the approximate form of κ:

$$\kappa = \frac{2\pi e^2}{mc} \frac{1}{\mu} \frac{N\nu}{\nu^2 + (\omega \pm \omega_L)^2} \tag{3}$$

where e, m are the electron charge and mass, c the velocity of light, μ the phase refractive index of the medium for the mode in use, ω the angular radio frequency ($\omega = 2\pi f$), and ω_L the gyrofrequency about the component of magnetic field along the wave path. The expression changes near the level of reflection where μ varies rapidly with frequency.

In practice absorption is almost always measured using the ordinary wave, effective angular frequency $(\omega + \omega_L)$, and the contribution to $\int \kappa ds$ from levels where ν^2 is significant compared with the usually negligible quantity $(\omega + \omega_L)^2$, so that we obtain:

$$L \propto \int \kappa ds \propto \frac{1}{(\omega + \omega_L)^2} \int \frac{N\nu}{\mu} ds \tag{4}$$

Near the reflection point, $\int N\nu/\mu \, ds$ depends mainly on the local value of $\nu/(dN/dh)$, i.e. on the height and shape of the reflecting layer. Elsewhere L depends essentially on $\int N\nu ds$. Thus a change in L with position or time can be due to a change in either term. However in most cases $\nu/(dN/dh)$ is relatively stable so that changes in L are often measures of changes in $\int N\nu ds$. Where measurements are available on several frequencies it is often possible to identify the cause of the change in the measured absorption L; an elementary example is shown in Table 1 in which L values are compared for high and low absorption days in winter at Slough. The line marked 'theory' shows how the difference should vary with frequency if the reflecting layer were unaltered and the whole of the difference was due to an increase in $\int N\nu ds$ below the reflecting layer.

Table 1

Differences in Absorption - Winter 1948-9 at Slough

Day Type	Sounding Frequency MHz 2.0	2.4	2.8	3.2	4.0	4.8	Count	AdB (mean)
High H	63	51	47	42	27	23	17	680
Low L	33	27	27	20	18	15	16	355
H-L	30	24	20	22	9	8		325
Theory	29	22	18	15	11	8		335

Except at 3.2 MHz, which was too close to foE to be reliable, it is clear that the hypothesis is correct for these days. Occasions can also be found where the difference is consistent with a change in shape of the reflecting layer.

The distinctions between deviative ($\mu \to 0$) or nondeviative ($\mu=1$) absorption or between E- and D-region absorptions are essentially arbitrary and have caused much controversy. If the variations of N(h) and $\nu(h)$ are both known in the reflecting layer, it is possible to compute the absorption in the layer and the absorption the layer would cause if the refractive index were unity, i.e. $\int N\nu ds$ through the layer. The corrections depend on the shape of the functions N(h), $\nu(h)$; foE and the working frequency, and the deductions of the relative magnitude of the E- and D-region absorption are critically dependent on the reliability of the model. However, the deduced value of $\int N\nu ds$ through both regions is relatively insensitive to errors in N(h) $\nu(h)$ and is a valuable parameter. For this reason some stations produce an absorption index A in decibels which is an approximate measure of this quantity.

Formally, $A(f) = (f + f_L)^2 L(f)$ where A(f) is independent of frequency when L contains no deviative terms or when the observed value of L has been corrected using a model (see W. R. Piggott, 1953, loc. cit., for the method used by the U.K. group of stations). The average of A(f) weighted according to reliability is a convenient index when multifrequency observations are available and enables all the data to be used, reducing the effects of changes in the E-layer shape.

Clearly the value of making absorption measurements depends on whether they can give information on either or both of the two factors which determine L. This was tested before the start of the IGY by comparing data taken at seven European stations spread over a distance up to 1500 km apart and a latitude range of N48 to N70. Data taken at two frequencies showed strong day-to-day correlations with each other and with the data from the other stations. Thus, while it is clear that the data need not measure changes in $\int N\nu ds$ exactly, there is sufficient regularity to suggest that changes in $\int N\nu ds$ or in the shape of the layer or both should be available. The advent of the computer has made it possible to interpret the data with far more accuracy than was possible in the IGY or before, and it is found that data from different zones are remarkably consistent when due allowance is made for changes in the ratio f/foE with time and position. Changes in the earth's magnetic field with position also affect the significance of the L values, partly by changing the effective frequency, $(f + f_L)$, and partly because the deviative loss can vary with dip angle. Using computers, the effects of these factors can be estimated, and it should be possible to do useful research with the data. This report has been prepared to facilitate such research.

The earliest attempt to make synoptic measurements of the absorption of waves reflected from the ionosphere at vertical incidence using the pulse technique, method A1, was started by Prof. E. V. Appleton in 1935. This sequence was kept operating until 1959 at a station which moved from London to Cambridge and then to Slough. Singular sequences were started at Freiburg, Port Stanley (Falkland Islands) and Singapore in 1949, Kjeller/Oslo in 1950, Ibadan (Nigeria) in 1952, Delhi in 1954 and Tromsö in 1955. Systematic measurements of conversion coefficient at oblique incidence, method A3, were started at Kühlungsborn in 1952. Systematic A3 measurements were also made in Japan from 1951 using nine frequencies, but the data were never made generally available. Most of the above stations remained in operation almost until the IGY, 1957-8, providing important sequences of data from which the solar cycle changes could be deduced.

These stations were supplemented by others operating irregularly so that by the beginning of the IGY some 18 stations were producing data. The IGY provoked a rapid extension of this network to over 43 stations. Many stations, including most of those with long sequences, ceased operation after the IGY, but some were reopened for the IQSY, 1964-5. Thus the most intensive coverage is available for the IGY/IGC (1957-9) and IQSY (1964-5) periods. Prior to the IGY there was no recognized system of interchanging absorption data and many series of observations were used for local research and then lost. A few groups published data, mainly with restricted circulation, but most of this is still not easily available.

The plans for the IGY called for the formation of an absorption measuring network, for the analysis of the data in a standard form, for its circulation through the World Data Center Network, and its publication in the IGY Annals. In practice the analysis was often seriously delayed. There were instrumental and calibration troubles and the task of collecting the data and putting it into a uniform style proved more than could be managed with the manpower available. Many stations did not succeed in starting observatories until the IGY was almost over, so it was decided to try to collect both the IGY and IGC data. A new effort, but on a smaller scale, was made in the IQSY, and it became obvious that a collection of IGY/IGC and IQSY data would be very valuable. The former were collected by W. R. Piggott, the URSI Consultant for A1 Absorption in the IGY, and the latter by Prof. K. Rawer, who held this post in the IQSY. These were helped by many people, in particular the editing and checking with original data were largely due to Dr. Owen Jones and Mrs. E. Hurst. The considerable task of writing computer programs and punching the data has been done by Mr. M. E. Nason and Miss Vi Hill under the direction of A. H. Shapley, with checking by Mrs. E. Hurst — a nice piece of international cooperation.

[Editor's Note: This data compilation, obviously, has been many years in preparation, and it is not worthwhile to trace the history and the reasons for the delay. In part the text dates from the late 1960s. Repeated inquiries from potential users to WDC-C1 and WDC-A in the last year have stimulated its completion. Interestingly, during the final preparation stages, over 100 additional data tables were located by Richard Smith of WDC-C1 and Helen Coffey of WDC-A. Credit for bringing the compilation to completion goes to Helen Coffey to whom all the previous workers must be grateful. A.H.S.]

Some Characteristics of the Data

As absorption data may be used by those with no experience in the technique, it may be worthwhile giving a few precautionary comments.

The calculation of absorption involves the comparison of the observed signal with a value deduced for conditions when absorption losses are negligible. If the ionosphere were horizontally stratified and smooth, this would involve no difficulty, but in practice there are always waves and irregularities present which cause the signal to fade. There is little difficulty in reducing the effects of fast fading to negligible proportions, but slow fading often has a quasi-period of about 15 minutes and can have quasi-periods of over an hour. Thus a sample measurement, usually taking 15 minutes, can contain residual errors due to incomplete correction for long period fading. In addition, the effective roughness of the ionosphere changes from day to night and, in general, with latitude. A completely rough surface can give 3 dB more signal than a smooth surface at vertical incidence. Thus comparisons of signal strengths between night and day usually show a greater attenuation in the day than is due to absorption acting alone (the converse occurs near the geomagnetic equator where the ionosphere can be rougher in the day than at night, owing to the effect of equatorial Es type q). The presence of the extraordinary wave at night when it is not present in the day can give a similar error. Most stations attempt to correct for these phenomena.

The total absorption varies fairly regularly with solar zenith angle except when the sampling frequency is within about ±10% of the critical frequency of a reflecting layer, and it is conventional to express the diurnal and seasonal variations in the forms:

$$L = Lo(\cos \chi)^n \qquad \text{diurnal}$$

$$L = Lo(\cos \chi)^m \qquad \text{seasonal}$$

where χ is the solar zenith angle.

In general n and m are not independent of χ. This is partly due to the fact that the ion production is inversely proportional to the Chapman function $Ch(R,\chi)$ which is significantly difference from $\sec \chi$ when $\cos \chi < 0.25$, partly to finite recombination time and partly to changes in the atmosphere which often vary with season or when $\cos \chi \to 0$. Thus there is some bias possible when fitting the line of least squares fit between L and $Ch(R,\chi)$. Typical values of n are about 0.75, but bias could cause the tabulated values to range between 0.65 and 0.85. It should also be noted that a systematic error in calibration can have rather large effects on the apparent values of n or m. Thus for L = 50 dB near $\cos \chi = 1$, a systematic error of 3 dB will cause n or m to change from 0.67 to 0.91 for a true value of 0.75; for L = 20 dB, a similar error causes changes from 0.55 to 1.15! It is a remarkable fact that the values of n deduced at most temperate and low latitude stations agree within smaller ranges than those given, suggesting that the absolute accuracy is, in fact, quite good.

Studies in the winter anomaly zone and at high latitudes show that there are real changes of n and m with latitude, e.g., at Slough and Port Stanley n increases steadily with Lo up to n = 1.5 on days of very high absorption in winter and all stations near the auroral zone agree in giving very low values of n, e.g., n = 0.25.

A comparable difficulty can arise in considering solar cycle variations. In general L increases fairly regularly with sunspot number R (or 10 cm flux) up to the region $R \simeq 140$, but at greater levels of activity the increase is slower. Similar effects are seen in foE, foF1 and foF2. Simple comparisons of L at very great and very small solar activity generally show a slower variation of L with R than that usually found and underestimate L near R = 100, the most probable solar maximum condition. Fortunately a number of stations have continued observations after the IGY and IQSY and give data from which the true variations can be deduced.

Summary of Published Absorption Data

Some published values of the variations of absorption with time of day, season, solar activity and frequency are summarized in the table below, in which:

$L = Lo(\cos \chi)^n$	diurnal
$L = Lo(\cos \chi)^m$	seasonal
$L = Lo(1+bR)$	solar cycle
$L = Lo/f^x$	frequency

Note that these parameters represent the combined effects of the E- and D-region absorption and do not directly give physical parameters. Thus as x decreases, f/foE decreases for both $f \lesseqgtr foE$. For f<foE the height of reflection falls and the E-layer contribution in general decreases. For f>foE the group retardation in E increases so that the E-layer contribution increases. Thus n for an E-layer reflection is less than that for the D-region taken alone, while that for an F-layer relfection may be greater. The solar cycle variation is modified in the same way — if there was no D-region absorption, the value of b would, in practice, be negative for an E-layer reflection, positive for an F-layer reflection. For oblique reflections, method A3, the relative importance of absorption near the point of reflection is usually less than for vertical incidence A1. Thus the values of n, m, and b for E-reflections, method A3, may be, in general, slightly larger than for the corresponding A1 case.

The physical interpretation of absorption parameters involves the use of models which enable the E- and D-region contributions to be separated. It is important:

(a) that the model is appropriate to the physical situation, and

(b) that the computations are adequately accurate.

While the parabolic approximation for the shape N(h) of the E-layer is often adequate, it is essential to use a variation of collision frequency with height which is a good approximation to that actually present. Relatively small errors in the scale height of the latter can cause serious errors in interpretation. This is particularly important when using graphical analysis, e.g., the spider's web method (Bibl, Paul, and Rawer, *J. Atmos. Terr. Phys.*, 16, 324-339, 1959). Systematic changes in the position of interception with change in frequency imply an incorrect model. Most models in use in this method assume $\nu = \nu_0 \exp [(h - h_0)/H]$, with $y_m = 2H$ and $N = N_0 [1 - (y/y_m)^2]$, whereas in practice $y_m \neq 2H$.

INVENTORY OF A1 AND A3 PUBLISHED DATA (1936-1962)

Place	Freq. MHz	n (diurnal)	m (seasonal)	b	x	Date	Notes	Ref.
Ahmedabad	2.5	0.73				IGY		1, 2
	2.5	0.7		.002		1957-1958		3
	2.6	0.80		.0018		1958-1959		
Baker Lake	2.0	0.18				IGY	summers	4
Cambridge	0.016	0.0				1948-1949		5
	3.2-4.2	1.5				1936		6
Christchurch	5.6-7.5	1.76	1.3			1938		7
Churchill	2.0	0.27				IGY	summers	4
Colombo	2.0-2.85	0.90	1.7	.0051		IGY/IQSY		1
Dakar	2.0-8.0			.017		1951-1954	non-deviative	1, 8
Delhi	5.0	0.62				1954-1955		1, 9
		0.77	0.7			1954-1960		1, 10
		0.81				1958-1959	summer, equinox	
		0.73				1958-1959	winter	
					1.8	1958-1959	f > 5.0 MHz	
Domont	3.4	0.81				1956-1958	winter	11
		0.82				1956-1958	equinox	
		0.88				1956 and 1958	summer	
		0.53				1957	summer	
Ibadan	2.4	0.62	1.6	.0026		1953-1959	sunspot minimum	1, 12,
	5.7	0.63	0.9	.0035		1953-1959	sunspot maximum	25
	2.0-5.8				1.0	1954	non-deviative	
	2.4	0.59				IGY	N solstice	12
		0.62					equinox	
		0.69					S solstice	
Invercargill	9.15	0.56				1949-1950	winter	14
		1.22					summer	
							790 km	
							oblique incidence	
Kuhlungsborn	.1-2.0	0.9-1.1				sunspot min.	A3, deduced upper D-region	15
Paris	3.4	0.8						16
Prince Rupert	2.0	0.5				1949-1950		17
Resolute Bay	2.0	0.07				IGY	summers	4
Singapore	3.5-10.0		1.5	.003		1950-1951	27 day periodicity	1, 13
Slough	1.6-5.5	0.75	0.75		2.0	solar cycle	omitting winter for m	18
			up to 1.50				winter only, n varies with L	
Slough, Port Stanley, Singapore	1.6-6.3	0.75	Variable with lat.	.004		1942-1955		19
Swansea	2.0	0.82				Oct 50-Aug 51		20

INVENTORY OF A1 AND A3 PUBLISHED DATA (1936-1962)

Place	Freq. MHz	n (diurnal)	m (seasonal)	b	x	Date	Notes	Ref.
Waltair	5.65	1.3	∿2	.0092		IGY/IGC		1, 21,
	2.0-9.0				1.5	June 51-Sept 62		22, 23
	2.0	1.14				June 51-Sept 62	summer	
		1.03				June 51-Sept 62	equinox	
		0.91				June 51-Sept 62	winter	
		0.80				June 51-Sept 62	most probable	
Washington	2.06	0.87				1945-1947	A3	24
	4.27	1.07						
	2.06	1.05				1945	equinox	
		1.10					summer	
		0.75					winter	
		0.75				1946	equinox	
		0.95					summer	
		0.75					winter	
		0.80				1947	equinox	
		0.95					summer	
		0.70					winter	
	4.27	1.10				1945	equinox	
		0.95					summer	
		0.95					winter	
		1.00				1946	equinox	
		0.90					summer	
		1.10					winter	
		1.30				1947	equinox	
		1.25					summer	
		1.05					winter	

References

1. SKINNER, N. J. 1965 Absorption in the Equatorial Ionosphere, *Report on Equatorial Aeronomy, Proceedings of the Second International Symposium on Equatorial Aeronomy*, Ed. F. de Mendonca, C.N.A.E., Brazil, 43.

2. SHIRKE, J. S. 1959 Measurement of the Ionospheric Absorption on 2.5 Mc/s at Ahmedabad, *J. Inst. Telecom. Eng., India*, 5, 115.

3. SHIRKE, J. S. 1961 Ionospheric Absorption on 2.5 Mc/s-2.6 Mc/s at Ahmedbad, *Proc. of I.G.Y. Symp.*, I, 142-148.

4. DAVIES, K. 1960 A Study of 2 Mc/s Ionospheric Absorption Measurements at High Latitudes, *J. Geophys. Res.*, 65, No. 8, 2285.

4. BRACEWELL, R. N. K. G. BUDDEN, J. A. RATCLIFFE, T. W. STRAKER, and K. WEEKS 1951 The Ionospheric Propagation of Low- and Very-Low-Frequency Radio Waves Over Distances Less than 1,000 km, *Proc. Ins. Elec. Engr.*, 98, Pt. III, 221.

6. BEST, J. E. and J. A. RATCLIFFE 1938 The Diurnal Variation of the Ionospheric Absorption of Wireless Waves, *Proc. Phys. Soc. London*, 50, 233.

7. WHITE, F. W. G. and T. W. STRAKER 1939 The Diurnal Variation of Absorption of Wireless Waves, *Proc. Phys. Soc. London*, 51, 865.

8. DELOBEAU, F. and K. SUCHY — 1956 — L'absorption ionospherique á Dakar, *J. Atmos. Terr. Phys.*, 9, 45.

9. MITRA, S. N. and S. C. MAZUMDAR — 1957 — Some Measurements of Ionospheric Absorption at Delhi, *J. Atmos. Terr. Phys.*, 10, 32.

10. RAO, M. K., S. C. MAZUMDAR and S. N. MITRA — 1962 — Investigation of Ionospheric Absorption at Delhi, *J. Atmos. Terr. Phys.*, 24, 245.

11. PILLET, G. and P. VILA — Resultats des measures de l'absorption ionospherique à Domont et Bangui an cours de l'A.G.I. et de la C.G.I.

12. SKINNER, N. J. and R. W. WRIGHT — 1964 — Absorption Measurements at Ibadan, *J. Atmos. Terr. Phys.*, 26, 1221.

13. LANGE-HESSE, G. — 1953 — 27 Day Variation in the Absorption of the D Region of the Ionosphere Over Singapore and Slough, *J. Atmos. Terr. Phys.*, 3, 153.

14. ALLCOCK, G. McK. — 1954 — Ionospheric Absorption at Vertical and Oblique Incidence, *Proc. Inst. Elec. Engr.*, 101, Pt. III, 360-370.

15. LAUTER, G. A. and P. NITZSCHE — 1966 — Seasonal Variations of Ionospheric Absorption Deduced from A3 Measurements in the Frequency Range 100-2000 kcs, O/F Kühlungsborn Paper No. 169.

16. PILLET, G. — 1960 — Contribution à l'étude de l'absorption ionospherique sur une fréquence fisce, *D. Sc. Thesis*, University of Paris.

17. DAVIES, K. and E. L. HAGG — 1955 — Ionospheric Absorption Measurements at Prince Rupert, *J. Atmos. Terr. Phys.*, 6, 18-32.

18. APPLETON, E. and W. R. PIGGOTT — 1954 — Ionospheric Absorption Measurements During a Sunspot Cycle, *J. Atmos. Terr. Phys.*, 5, 141.

19. PIGGOTT, W. R. — 1959 — The Calculation of the Median Sky Wave Field Strength in Tropical Regions, *DSIR Special Report No. 27*, London.

20. BEYNON, W. J. G. and K. DAVIES — 1955 — A Study of Vertical Incidence Ionospheric Absorption at 2 Mc/s, *The Physics of the Ionosphere* (Phys. Soc. of London), 40.

21. RAMANA, K. V. V. and B. RAMACHANDRA RAO — 1961 — Investigation of Ionospheric Absorption on 5.65 Mc/s at Waltair, *J. Atmos. Terr. Phys.*, 22, 1.

22. RAMANAMURTY, Y. V. and B. RAMACHANDRA RAO — 1964a — Frequency Variation of Ionospheric Absorption at Vertical Incidence, *J. Atmos. Terr. Phys.*, 26, 849.

23. RAMANAMURTY, Y. V. and B. RAMACHANDRA RAO — 1964b — Study of Ionospheric Absorption on 2.0 Mc/s at Waltair, *J. Atmos. Terr. Phys.*, 26, 1087.

24. TAYLOR, E. W. — 1948 — Absorption of Radio Waves Reflected at Vertical Incidence as a Function of the Sun's Zenith Angle, *U. S. Bur. Standards J. Res.*, 41, 575-579.

25. SKINNER, N. J. and R. W. WRIGHT — 1956 — *J. Atmos. Terr. Phys.*, 9, 103.

INVENTORY OF A2 PUBLISHED DATA (1950-1958)

Place	Freq. MHz	n (diurnal)	m (seasonal)	b	x	Date	Notes	Ref.
Ahmedabad	25.0	1.1 1.0 0.8				IGY	summer equinox winter	1
Delhi	22.4	1.1 1.1 0.8				IGY	summer equinox winter	2
Sydney	18.3	1.1 0.9 0.5				June 1950-51	summer equinox winter	3

References

1. BHONSLE, R. V. and K. R. RAMANATHAN 1956 *J. Sci. Industr. Res.*, 17A, 40.

2. SARADA, K. A. and A. P. MITRA 1960 *Some Ionospheric Results Obtained During I.G.Y.*, Ed. W. J. G. Beynon (Elsevier Pub. Co.), 270.

3. MITRA, A. P. and C. A. SHAIN 1953 The Measurement of Ionospheric Absorption Using Observations of 18.3 Mc/s Cosmic Radio Noise, *J. Atmos. Terr. Phys.*, 4, 204-217.

Description of Data Tables and Master Station Lists

A list of known pulse, A1, and CW A3 stations is given in Table 2, together with the data at which regular observations were started when this is known. In most cases irregular observations started earlier, in a few cases several years earlier. The table also shows for which years of our periods 1957-59 and 1964-65 data are available. For convenience of analysis the stations are also listed in order of geographic and geomagnetic (central dipole) latitudes.

The main sequence of data consists of measurements by the A1 pulse echo technique of absorption L in decibels near noon, mostly on a frequency near 2.2 MHz but sometimes on a series of frequencies. The monthly medians of these data are collected in Section 1 of the tables together with the monthly median noon values of the E-layer critical frequency foE and, where appropriate, F1-layer critical frequency foF1. A contents table is provided for these data.

This is followed in Section 2 by the actual daily values arranged by date and month. In both this and the first chapter values of A in decibels deduced from multifrequency observations are given where provided in the original data. The units in use are shown at the top of each table.

In the case of the Canadian data a distinction is made between echoes which were visible but too weak to measure, lower case b in the original tables, and total blackout, capital B. This difference is reproduced in the computer tables by the symbols B and DB, respectively. B implies losses about 10 dB greater than the highest numerical value, DB much greater absorption.

A few stations also provided data for other time of day, e.g., measurements at constant solar zenith angle χ, measurements at fixed times well away from noon, or diurnal variations. These are collected in Section 3 of the tables. In the case of diurnal variations only monthly median data are reproduced; the day-to-day changes are adequately represented by the noon data for most purposes.

In all cases an attempt has been made to make the data from different stations as uniform as possible. We have therefore rounded the data to the nearest dB (in a few cases nearest 0.5 dB). We do not believe that there is any loss in accuracy in this, in fact the errors remaining may be several dB, at least on some days.

In some cases the frequencies used did not remain constant throughout the sequence. In such situations we have collected together in one table data which should be reasonably compatible, noting the actual frequency in use in each month on the table so that the user can apply corrections if desired. In general, for the small frequency changes involved, the absorption decreases almost linearly with increase in frequency. An examination of multifrequency data, taken when foE was the same as in the table, will give a good guide of the possible errors. The percentage change of L in decibels over small frequency ranges is almost independent of position when foE is held constant.

Table 2a

MASTER STATION LIST OF A1 PULSE ECHO AND A3 CW FIELD-STRENGTH OBSERVATIONS
WITH LIST OF A1 PULSE ECHO DATA AVAILABLE FOR IGY/IGC AND IQSY YEARS

STATIONS LISTED ALPHABETICALLY

STATION	TYPE	REGULAR OPERATION STARTED	GEOGRAPHIC LAT	GEOGRAPHIC E LONG	GEOMAGNETIC LAT	GEOMAGNETIC E LONG	A1 DATA AVAILABLE 57	58	59	64	65
ABERYSTWYTH	A1	JAN 64	52.43	355.93	55.91	80.22				X	X
ADAK	A3	JUL 57	51.90	183.40	47.22	239.99					
AHMEDABAD	A1	AUG 57	23.00	72.60	13.83	143.92	X	X			
AKITA	A3	OCT 51	39.73	140.14	29.50	205.48					
ALLOIS	A3	JAN 64	47.00	02.00	49.45	84.09					
ALMA ATA	A1	JUL 57	43.25	76.92	33.45	150.72	X	X	X	X	X
ANCHORAGE	A3	JUL 57	61.20	210.15	60.93	258.17					
ASHKHABAD	A1	JUN 57	37.93	58.37	30.46	133.35	X	X	X	X	X
ATHENS	A3	NOV 70	38.00	23.60	36.60	101.33					
BAKER LAKE	A1	JAN 57	64.30	264.00	73.74	315.31	X	X	X		
BANGUI	A1	JAN 58	04.60	18.60	04.99	88.57		X	X		
BOULDER	A3	APR 60	40.60	254.70	48.85	316.44					
BRASOW	A3	JAN 64	45.39	25.37	43.31	105.93					
BRISBANE	A1	JUN 56	-27.50	153.00	-35.73	226.98	X	X			
BUDAPEST			46.67	21.17	45.43	102.09					
BUENOS AIRES	A1/A3		-34.50	301.50	-23.17	09.40					
CALCUTTA			23.00	88.60	12.31	158.96					
CHURCHILL	A1	JAN 57	58.80	265.90	68.70	322.77	X	X	X		
COLLM	A3	57	51.32	13.00	51.47	96.49					
COLOMBO	A1	JUL 57	06.90	79.87	-02.96	149.07	X	X	X	X	X
DAKAR	A1	MAY 51	14.70	342.60	21.62	54.63					
DE BILT	A1/A3	JUL 55	52.10	05.18	53.77	89.34	X	X	X	X	X
DELHI	A1	JUN 54	28.63	77.22	18.91	148.94	X	X	X	X	X
DIXON	A1	JUL 57	73.50	80.40	62.98	161.44	X	X	X	X	X
DOURBES	A1/A3		50.10	04.60	51.99	87.72					
EDINBURG	A1	58	55.95	356.81	59.03	83.32					
ENKOPING	A3	57	59.50	17.30	58.31	105.42					
FAREWELL	A1	57	62.50	206.10	61.33	253.46					
FORT BELVOIR	A3		38.70	282.90	50.06	350.14					
FORT DE FRANCE			14.10	298.99	25.10	08.90					
FORT MONMOUTH	A3	OCT 58	40.40	285.90	51.84	353.71					
FREIBURG	A1	JAN 49	48.10	07.60	49.48	89.71	X	X	X	X	X
GARCHY			47.30	03.10	49.62	84.89					
GENOVA	A1/A3	JAN 58	44.55	08.95	45.82	89.51		X	X	X	X
GRAZ			47.10	15.50	46.96	96.91					
HALLEY BAY	A1	APR 57	-75.50	333.40	-65.76	24.28	X	X		X	X
HORBY	A3	JAN 64	55.51	13.39	55.26	99.59					
HUANCAYO	A3	JUL 57	-12.01	284.67	-00.58	353.81					
HYDERABAD			17.43	78.45	07.65	148.81					
IBADAN	A1	FEB 52	07.43	03.90	10.65	74.66	X	X			

Table 2a (continued)

STATIONS LISTED ALPHABETICALLY

STATION	TYPE	REGULAR OPERATION STARTED	GEOGRAPHIC LAT	GEOGRAPHIC E LONG	GEOMAGNETIC LAT	GEOMAGNETIC E LONG	A1 DATA AVAILABLE 57	58	59	64	65
INVERNESS	A1	IRREGULAR	57.40	355.80	60.61	83.35		X	X		
IRKUTSK	A1	OCT 57	52.47	104.03	41.04	174.38	X	X	X		
JOHANNESBURG	A1	JUL 57	-26.01	28.01	-26.85	91.29		X			
JULIUSRUH/RUGEN	A1	OCT 56	54.63	13.38	54.52	98.66	X	X	X	X	X
KERGUELEN	A1	JUL 54	-49.30	70.50	-57.33	128.32					
KIRUNA		JUN 58	67.83	20.42	65.26	115.61					
KJELLER	A1	SEP 50	60.00	11.10	59.97	100.18	X	X			
KODAIKANAL	A3		10.20	77.50	00.57	147.10					
KOLBERG	A3	JAN 64	52.23	13.82	52.17	97.74					
KUHLUNGSBORN	A1/A3		54.12	11.77	54.36	96.84	X	X	X		
LANCASTER	A1		53.00	358.00	56.05	82.68					
LEICESTER	A3		52.00	359.00	54.90	83.12					
LINDAU	A1/A3	AUG 57	51.65	10.13	52.36	93.91	X	X	X		
LUBBOCK	A3	71	33.35	258.49	42.81	322.84					
LWIRO	A1	NOV 58	-02.30	28.80	-03.81	97.19			X		
MIRNY	A1	JAN 66	-66.55	93.02	-77.02	146.84					X
MONTE CARLO	A3	JAN 64	43.74	07.42	45.25	88.12					
MOSCOW	A1	JUL 57	55.47	37.32	50.85	120.49	X	X			
MURMANSK	A1	DEC 58	68.95	33.05	64.10	126.46			X	X	X
NAGYCENK	A3	JAN 67	47.63	16.72	47.22	98.30					
NEUSTRELITZ	A3	JAN 64	53.90	13.01	53.91	97.89					
NORDDEICH	A3	64	53.37	07.09	54.49	92.34					
OKINAWA	A3		26.30	127.80	15.25	195.58					
OTTAWA	A1	APR 57	45.40	284.30	56.80	351.40	X	X	X		
PANSKA VES	A3	57	50.53	14.57	50.41	97.59					
PARIS-DOMONT	A1	55	49.01	02.31	51.40	84.80	X	X			
PARIS-SACLAY	A1		48.10	02.30	50.54	84.45					
PENN STATE U	A1	JUN 57	40.82	282.13	52.15	349.04	X	X			
PORT LOCKROY	A1	APR 58	-64.80	296.50	-53.34	03.92		X	X		
PORT STANLEY	A1	AUG 49	-51.70	302.20	-40.38	09.09	X	X	X		
PRUHONICE	A3	JUL 57	49.98	14.55	49.89	97.30					
PUERTO RICO	A3		18.50	292.80	29.99	01.97					
RESOLUTE BAY	A1	FEB 57	74.70	265.10	82.99	289.27	X	X	X		
ROME/ST ALLESIO	A3	JAN 64	42.03	11.83	42.82	91.37					
ROSTOV	A1	JUN 58	47.22	39.68	42.52	119.19		X	X	X	X
SIDMOUTH	A3		50.67	356.75	54.08	80.10					
SINGAPORE	A1	SEP 49	01.30	103.80	-10.11	172.69	X	X		X	X
SLOUGH	A3	JAN 35	51.48	359.43	54.32	83.27					
SOFIA	A3	JAN 64	42.65	23.44	41.12	102.71					
SOUTH UIST	A1		57.20	352.86	61.00	80.17					
SVERDLOVSK	A1		56.70	61.10	48.46	140.70					
SWANSEA	A1	OCT 57	51.63	356.00	55.14	79.85	X	X			
TAIPEI	A1	JAN 65	24.95	121.23	12.67	189.51					X
TAMANRASSET		FEB 59	22.80	05.53	25.39	79.56					
TANANARIVE			-18.92	47.55	-23.71	112.42					
TOKYO	A1	OCT 52	35.71	139.50	25.45	205.41	X	X	X	X	X
TOMSK	A1	DEC 57	56.47	84.93	45.88	159.59	X	X	X	X	X
TRELEW	A1		-43.20	294.70	-31.72	03.17					
TRINIDAD	A3		10.75	298.43	22.15	07.88					
TROMSO	A1	MAR 55	69.70	19.00	67.14	116.80	X	X			
TSUMEB	A1	JUL 57	-19.23	17.72	-18.18	82.83	X	X			
USHUAIA	A1		-54.80	291.70	-43.30	00.55					
WAKKANAI	A3		45.40	141.70	35.27	206.04					
WHITE SANDS	A3		32.30	253.50	41.10	316.64					
WINNIPEG	A1	DEC 57	49.90	262.80	59.63	322.99	X	X	X		
ZEHLENDORF	A3	64	52.47	13.23	52.43	97.72					

Table 2b

MASTER STATION LIST OF A1 PULSE ECHO AND A3 CW FIELD-STRENGTH OBSERVATIONS
WITH LIST OF A1 PULSE ECHO DATA AVAILABLE FOR IGY/IGC AND IQSY YEARS

STATIONS LISTED BY GEOGRAPHIC LATITUDE

STATION	TYPE	REGULAR OPERATION STARTED	GEOGRAPHIC LAT	GEOGRAPHIC E LONG	GEOMAGNETIC LAT	GEOMAGNETIC E LONG	A1 DATA AVAILABLE 57	58	59	64	65
RESOLUTE BAY	A1	FEB 57	74.70	265.10	82.99	289.27	X	X	X		
DIXON	A1	JUL 57	73.50	80.40	62.98	161.44	X	X	X	X	X
TROMSO	A1	MAR 55	69.70	19.00	67.14	116.80	X	X			
MURMANSK	A1	DEC 58	68.95	33.05	64.10	126.46			X	X	X
KIRUNA		JUN 58	67.83	20.42	65.26	115.61					
BAKER LAKE	A1	JAN 57	64.30	264.00	73.74	315.31	X	X	X		
FAREWELL	A1	57	62.50	206.10	61.33	253.46					
ANCHORAGE	A3	JUL 57	61.20	210.15	60.93	258.17					
KJELLER	A1	SEP 50	60.00	11.10	59.97	100.18	X	X			
ENKOPING	A3	57	59.50	17.30	58.31	105.42					
CHURCHILL	A1	JAN 57	58.80	265.90	68.70	322.77	X	X	X		
INVERNESS	A1	IRREGULAR	57.40	355.80	60.61	83.35		X	X		
SOUTH UIST	A1		57.20	352.86	61.00	80.17					
SVERDLOVSK	A1		56.70	61.10	48.46	140.70					
TOMSK	A1	DEC 57	56.47	84.93	45.88	159.59	X	X	X	X	X
EDINBURG	A1	58	55.95	356.81	59.03	83.32					
HORBY	A3	JAN 64	55.51	13.39	55.26	99.59					
MOSCOW	A1	JUL 57	55.47	37.32	50.85	120.49	X	X			
JULIUSRUH/RUGEN	A1	OCT 56	54.63	13.38	54.52	98.66	X	X	X	X	X
KUHLUNGSBORN	A1/A3		54.12	11.77	54.36	96.84	X	X	X		
NEUSTRELITZ	A3	JAN 64	53.90	13.01	53.91	97.89					
NORDDEICH	A3	64	53.37	07.09	54.49	92.34					
LANCASTER	A1		53.00	358.00	56.05	82.68					
IRKUTSK	A1	OCT 57	52.47	104.03	41.04	174.38	X	X	X		
ZEHLENDORF	A3	64	52.47	13.23	52.43	97.72					
ABERYSTWYTH	A1	JAN 64	52.43	355.93	55.91	80.22				X	X
KOLBERG	A3	JAN 64	52.23	13.82	52.17	97.74					
DE BILT	A1/A3	JUL 55	52.10	05.18	53.77	89.34	X	X	X	X	X
LEICESTER	A3		52.00	359.00	54.90	83.12					
ADAK	A3	JUL 57	51.90	183.40	47.22	239.99					
LINDAU	A1/A3	AUG 57	51.65	10.13	52.36	93.91	X	X	X		
SWANSEA	A1	OCT 57	51.63	356.00	55.14	79.85	X	X			
SLOUGH	A3	JAN 35	51.48	359.43	54.32	83.27					
COLLM	A3	57	51.32	13.00	51.47	96.49					
SIDMOUTH	A3		50.67	356.75	54.08	80.10					
PANSKA VES	A3	57	50.53	14.57	50.41	97.59					
DOURBES	A1/A3		50.10	04.60	51.99	87.72					
PRUHONICE	A3	JUL 57	49.98	14.55	49.89	97.30					
WINNIPEG	A1	DEC 57	49.90	262.80	59.63	322.99	X	X	X		
PARIS-DOMONT	A1	55	49.01	02.31	51.40	84.80	X	X			
FREIBURG	A1	JAN 49	48.10	07.60	49.48	89.71	X	X	X	X	X
PARIS-SACLAY	A1		48.10	02.30	50.54	84.45					
NAGYCENK	A3	JAN 67	47.63	16.72	47.22	98.30					
GARCHY			47.30	03.10	49.62	84.89					
ROSTOV	A1	JUN 58	47.22	39.68	42.52	119.19		X	X	X	X

Table 2b (continued)

STATIONS LISTED BY GEOGRAPHIC LATITUDE

STATION	TYPE	REGULAR OPERATION STARTED	GEOGRAPHIC LAT	GEOGRAPHIC E LONG	GEOMAGNETIC LAT	GEOMAGNETIC E LONG	A1 DATA AVAILABLE 57	58	59	64	65
GRAZ			47.10	15.50	46.96	96.91					
ALLOIS	A3	JAN 64	47.00	02.00	49.45	84.09					
BUDAPEST			46.67	21.17	45.43	102.09					
OTTAWA	A1	APR 57	45.40	284.30	56.80	351.40	X	X	X		
WAKKANAI	A3		45.40	141.70	35.27	206.04					
BRASOW	A3	JAN 64	45.39	25.37	43.31	105.93					
GENOVA	A1/A3	JAN 58	44.55	08.95	45.82	89.51		X	X	X	X
MONTE CARLO	A3	JAN 64	43.74	07.42	45.25	88.12					
ALMA ATA	A1	JUL 57	43.25	76.92	33.45	150.72	X	X	X	X	X
SOFIA	A3	JAN 64	42.65	23.44	41.12	102.71					
ROME/ST ALLESIO	A3	JAN 64	42.03	11.83	42.82	91.37					
PENN STATE U	A1	JUN 57	40.82	282.13	52.15	349.04	X	X			
BOULDER	A3	APR 60	40.60	254.70	48.85	316.44					
FORT MONMOUTH	A3	OCT 58	40.40	285.90	51.84	353.71					
AKITA	A3	OCT 51	39.73	140.14	29.50	205.48					
FORT BELVOIR	A3		38.70	282.90	50.06	350.14					
ATHENS	A3	NOV 70	38.00	23.60	36.60	101.33					
ASHKHABAD	A1	JUN 57	37.93	58.37	30.46	133.35	X	X	X	X	X
TOKYO	A1	OCT 52	35.71	139.50	25.45	205.41	X	X	X	X	X
LUBBOCK	A3	71	33.35	258.49	42.81	322.84					
WHITE SANDS	A3		32.30	253.50	41.10	316.64					
DELHI	A1	JUN 54	28.63	77.22	18.91	148.94	X	X	X	X	X
OKINAWA	A3		26.30	127.80	15.25	195.58					
TAIPEI	A1	JAN 65	24.95	121.23	12.67	189.51					X
AHMEDABAD	A1	AUG 57	23.00	72.60	13.83	143.92	X	X			
CALCUTTA			23.00	88.60	12.31	158.96					
TAMANRASSET		FEB 59	22.80	05.53	25.39	79.56					
PUERTO RICO	A3		18.50	292.80	29.99	01.97					
HYDERABAD			17.43	78.45	07.65	148.81					
DAKAR	A1	MAY 51	14.70	342.60	21.62	54.63					
FORT DE FRANCE			14.10	298.99	25.10	08.90					
TRINIDAD	A3		10.75	298.43	22.15	07.88					
KODAIKANAL	A3		10.20	77.50	00.57	147.10					
IBADAN	A1	FEB 52	07.43	03.90	10.65	74.66	X	X			
COLOMBO	A1	JUL 57	06.90	79.87	-02.96	149.07	X	X	X	X	X
BANGUI	A1	JAN 58	04.60	18.60	04.99	88.57		X	X		
SINGAPORE	A1	SEP 49	01.30	103.80	-10.11	172.69	X	X		X	X
LWIRO	A1	NOV 58	-02.30	28.80	-03.81	97.19			X		
HUANCAYO	A3	JUL 57	-12.01	284.67	-00.58	353.81					
TANANARIVE			-18.92	47.55	-23.71	112.42					
TSUMEB	A1	JUL 57	-19.23	17.72	-18.18	82.83	X	X			
JOHANNESBURG	A1	JUL 57	-26.01	28.01	-26.85	91.29		X			
BRISBANE	A1	JUN 56	-27.50	153.00	-35.73	226.98	X	X			
BUENOS AIRES	A1/A3		-34.50	301.50	-23.17	09.40					
TRELEW	A1		-43.20	294.70	-31.72	03.17					
KERGUELEN	A1	JUL 54	-49.30	70.50	-57.33	128.32					
PORT STANLEY	A1	AUG 49	-51.70	302.20	-40.38	09.09	X	X	X		
USHUAIA	A1		-54.80	291.70	-43.30	00.55					
PORT LOCKROY	A1	APR 58	-64.80	296.50	-53.34	03.92		X	X		
MIRNY	A1	JAN 66	-66.55	93.02	-77.02	146.84					X
HALLEY BAY	A1	APR 57	-75.50	333.40	-65.76	24.28	X	X		X	X

Table 2c

MASTER STATION LIST OF A1 PULSE ECHO AND A3 CW FIELD-STRENGTH OBSERVATIONS
WITH LIST OF A1 PULSE ECHO DATA AVAILABLE FOR IGY/IGC AND IQSY YEARS

STATIONS LISTED BY GEOMAGNETIC LATITUDE

STATION	TYPE	REGULAR OPERATION STARTED	GEOGRAPHIC LAT	GEOGRAPHIC E LONG	GEOMAGNETIC LAT	GEOMAGNETIC E LONG	A1 DATA AVAILABLE 57	58	59	64	65
RESOLUTE BAY	A1	FEB 57	74.70	265.10	82.99	289.27	X	X	X		
BAKER LAKE	A1	JAN 57	64.30	264.00	73.74	315.31	X	X	X		
CHURCHILL	A1	JAN 57	58.80	265.90	68.70	322.77	X	X	X		
TROMSO	A1	MAR 55	69.70	19.00	67.14	116.80	X	X			
KIRUNA		JUN 58	67.83	20.42	65.26	115.61					
MURMANSK	A1	DEC 58	68.95	33.05	64.10	126.46			X	X	X
DIXON	A1	JUL 57	73.50	80.40	62.98	161.44	X	X	X	X	X
FAREWELL	A1	57	62.50	206.10	61.33	253.46					
SOUTH UIST	A1		57.20	352.86	61.00	80.17					
ANCHORAGE	A3	JUL 57	61.20	210.15	60.93	258.17					
INVERNESS	A1	IRREGULAR	57.40	355.80	60.61	83.35		X	X		
KJELLER	A1	SEP 50	60.00	11.10	59.97	100.18	X	X			
WINNIPEG	A1	DEC 57	49.90	262.80	59.63	322.99	X	X	X		
EDINBURG	A1	58	55.95	356.81	59.03	83.32					
ENKOPING	A3	57	59.50	17.30	58.31	105.42					
OTTAWA	A1	APR 57	45.40	284.30	56.80	351.40	X	X	X		
LANCASTER	A1		53.00	358.00	56.05	82.68					
ABERYSTWYTH	A1	JAN 64	52.43	355.93	55.91	80.22				X	X
HORBY	A3	JAN 64	55.51	13.39	55.26	99.59					
SWANSEA	A1	OCT 57	51.63	356.00	55.14	79.85	X	X			
LEICESTER	A3		52.00	359.00	54.90	83.12					
JULIUSRUH/RUGEN	A1	OCT 56	54.63	13.38	54.52	98.66	X	X	X	X	X
NORDDEICH	A3	64	53.37	07.09	54.49	92.34					
KUHLUNGSBORN	A1/A3		54.12	11.77	54.36	96.84	X	X	X		
SLOUGH	A3	JAN 35	51.48	359.43	54.32	83.27					
SIDMOUTH	A3		50.67	356.75	54.08	80.10					
NEUSTRELITZ	A3	JAN 64	53.90	13.01	53.91	97.89					
DE BILT	A1/A3	JUL 55	52.10	05.18	53.77	89.34	X	X	X	X	X
ZEHLENDORF	A3	64	52.47	13.23	52.43	97.72					
LINDAU	A1/A3	AUG 57	51.65	10.13	52.36	93.91	X	X	X		
KOLBERG	A3	JAN 64	52.23	13.82	52.17	97.74					
PENN STATE U	A1	JUN 57	40.82	282.13	52.15	349.04	X	X			
DOURBES	A1/A3		50.10	04.60	51.99	87.72					
FORT MONMOUTH	A3	OCT 58	40.40	285.90	51.84	353.71					
COLLM	A3	57	51.32	13.00	51.47	96.49					
PARIS-DOMONT	A1	55	49.01	02.31	51.40	84.80	X	X			
MOSCOW	A1	JUL 57	55.47	37.32	50.85	120.49	X	X			
PARIS-SACLAY	A1		48.10	02.30	50.54	84.45					
PANSKA VES	A3	57	50.53	14.57	50.41	97.59					
FORT BELVOIR	A3		38.70	282.90	50.06	350.14					
PRUHONICE	A3	JUL 57	49.98	14.55	49.89	97.30					
GARCHY			47.30	03.10	49.62	84.89					
FREIBURG	A1	JAN 49	48.10	07.60	49.48	89.71	X	X	X	X	X
ALLOIS	A3	JAN 64	47.00	02.00	49.45	84.09					
BOULDER	A3	APR 60	40.60	254.70	48.85	316.44					

Table 2c (continued)

STATIONS LISTED BY GEOMAGNETIC LATITUDE

STATION	TYPE	REGULAR OPERATION STARTED	GEOGRAPHIC LAT	GEOGRAPHIC E LONG	GEOMAGNETIC LAT	GEOMAGNETIC E LONG	A1 DATA AVAILABLE 57	58	59	64	65
SVERDLOVSK	A1		56.70	61.10	48.46	140.70					
ADAK	A3	JUL 57	51.90	183.40	47.22	239.99					
NAGYCENK	A3	JAN 67	47.63	16.72	47.22	98.30					
GRAZ			47.10	15.50	46.96	96.91					
TOMSK	A1	DEC 57	56.47	84.93	45.88	159.59	X	X	X	X	X
GENOVA	A1/A3	JAN 58	44.55	08.95	45.82	89.51		X	X	X	X
BUDAPEST			46.67	21.17	45.43	102.09					
MONTE CARLO	A3	JAN 64	43.74	07.42	45.25	88.12					
BRASOW	A3	JAN 64	45.39	25.37	43.31	105.93					
ROME/ST ALLESIO	A3	JAN 64	42.03	11.83	42.82	91.37					
LUBBOCK	A3	71	33.35	258.49	42.81	322.84					
ROSTOV	A1	JUN 58	47.22	39.68	42.52	119.19		X	X	X	X
SOFIA	A3	JAN 64	42.65	23.44	41.12	102.71					
WHITE SANDS	A3		32.30	253.50	41.10	316.64					
IRKUTSK	A1	OCT 57	52.47	104.03	41.04	174.38	X	X	X		
ATHENS	A3	NOV 70	38.00	23.60	36.60	101.33					
WAKKANAI	A3		45.40	141.70	35.27	206.04					
ALMA ATA	A1	JUL 57	43.25	76.92	33.45	150.72	X	X	X	X	X
ASHKHABAD	A1	JUN 57	37.93	58.37	30.46	133.35	X	X	X	X	X
PUERTO RICO	A3		18.50	292.80	29.99	01.97					
AKITA	A3	OCT 51	39.73	140.14	29.50	205.48					
TOKYO	A1	OCT 52	35.71	139.50	25.45	205.41	X	X	X	X	X
TAMANRASSET		FEB 59	22.80	05.53	25.39	79.56					
FORT DE FRANCE			14.10	298.99	25.10	08.90					
TRINIDAD	A3		10.75	298.43	22.15	07.88					
DAKAR	A1	MAY 51	14.70	342.60	21.62	54.63					
DELHI	A1	JUN 54	28.63	77.22	18.91	148.94	X	X	X	X	X
OKINAWA	A3		26.30	127.80	15.25	195.58					
AHMEDABAD	A1	AUG 57	23.00	72.60	13.83	143.92	X	X			
TAIPEI	A1	JAN 65	24.95	121.23	12.67	189.51					X
CALCUTTA			23.00	88.60	12.31	158.96					
IBADAN	A1	FEB 52	07.43	03.90	10.65	74.66	X	X			
HYDERABAD			17.43	78.45	07.65	148.81					
BANGUI	A1	JAN 58	04.60	18.60	04.99	88.57		X	X		
KODAIKANAL	A3		10.20	77.50	00.57	147.10					
HUANCAYO	A3	JUL 57	-12.01	284.67	-00.58	353.81					
COLOMBO	A1	JUL 57	06.90	79.87	-02.96	149.07	X	X	X	X	X
LWIRO	A1	NOV 58	-02.30	28.80	-03.81	97.19			X		
SINGAPORE	A1	SEP 49	01.30	103.80	-10.11	172.69	X	X		X	X
TSUMEB	A1	JUL 57	-19.23	17.72	-18.18	82.83	X	X			
BUENOS AIRES	A1/A3		-34.50	301.50	-23.17	09.40					
TANANARIVE			-18.92	47.55	-23.71	112.42					
JOHANNESBURG	A1	JUL 57	-26.01	28.01	-26.85	91.29		X			
TRELEW	A1		-43.20	294.70	-31.72	03.17					
BRISBANE	A1	JUN 56	-27.50	153.00	-35.73	226.98	X	X			
PORT STANLEY	A1	AUG 49	-51.70	302.20	-40.38	09.09	X	X	X		
USHUAIA	A1		-54.80	291.70	-43.30	00.55					
PORT LOCKROY	A1	APR 58	-64.80	296.50	-53.34	03.92		X	X		
KERGUELEN	A1	JUL 54	-49.30	70.50	-57.33	128.32					
HALLEY BAY	A1	APR 57	-75.50	333.40	-65.76	24.28	X	X		X	X
MIRNY	A1	JAN 66	-66.55	93.02	-77.02	146.84					X

SECTION 1

Monthly Median Noon Values in Decibels

Stations Listed Alphabetically

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IGY/IGC and IQSY Monthly Median Noon Values in Decibels	20

In the tables C = Count
U = Upper Quartile
M = Median
L = Lower Quartile
A = Average

STATION LIST FOR IGY/IGC A1 PULSE ECHO ABSORPTION DATA

STATION	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST	MEDIANS 1957	MEDIANS 1958	MEDIANS 1959	DAILY NOON 1957	DAILY NOON 1958	DAILY NOON 1959	DIURNAL 1957	DIURNAL 1958	DIURNAL 1959	OTHER SEQUENCES 1957	OTHER SEQUENCES 1958	OTHER SEQUENCES 1959
AHMEDABAD	23.00	72.60	13.8	143.9	X	X					X	X				
ALMA ATA	43.25	76.92	33.4	150.7	X	X	X	X	X	X						
ASHKHABAD	37.93	58.37	30.5	133.4	X	X	X	X	X	X						
BAKER LAKE	64.30	264.00	73.7	315.3	X	X		X	X		X	X	X			
BANGUI	04.60	18.60	05.0	88.6		X	X		X	X		X	X			X
BRISBANE	-27.50	153.00	-35.7	227.0	X	X		X	X							
CHURCHILL	58.80	265.90	68.7	322.8	X	X	X	X	X	X	X	X	X			
COLOMBO	06.90	79.87	-03.0	149.1	X	X	X	X	X	X						
DE BILT	52.10	05.18	53.8	89.3	X	X	X	X	X	X						
DELHI	28.63	77.22	18.9	148.9	X	X	X	X	X	X						
DIXON	73.50	80.40	63.0	161.4	X	X	X	X	X	X						
FREIBERG	48.05	07.59	49.4	89.7	X	X	X	X	X	X						
GENOVA	44.55	08.95	45.8	89.5		X	X		X	X						
HALLEY BAY	-75.52	333.30	-65.8	24.2	X	X		X	X							
IBADAN	07.43	03.90	10.6	74.7	X	X		X	X							
INVERNESS	57.40	355.80	60.6	83.4		X	X		X	X						
IRKUTSK	52.47	104.03	41.0	174.4	X	X	X	X	X	X						
JOHANNESBURG	-26.01	28.01	-26.8	91.3		X			X							
JULIUSRUH-RUGEN	54.63	13.38	54.5	98.7	X	X	X	X	X	X						
KJELLER	60.00	11.10	60.0	100.2	X	X		X	X							
KUHLUNGSBORN	54.12	11.77	54.4	96.8	X	X	X	X	X	X				X	X	X
LINDAU	51.65	10.13	52.4	93.9	X	X	X	X	X	X						
LWIRO	-02.30	28.80	-03.8	97.2			X			X						
MOSCOW	55.47	37.32	50.8	120.5	X	X		X	X							
MURMANSK	68.95	33.05	64.1	126.5			X			X						
OTTAWA	45.40	284.30	56.8	351.4	X	X		X	X		X	X	X			
PARIS-DOMONT	48.10	02.30	50.5	84.4	X	X		X	X							
PENN STATE U	40.82	282.13	52.2	349.0	X	X		X	X		X	X		X	X	
PORT LOCKROY	-64.80	296.50	-53.3	03.9		X	X		X	X						
PORT STANLEY	-51.70	302.20	-40.4	09.1	X	X	X	X	X	X						
RESOLUTE BAY	74.70	265.10	83.0	289.3	X	X	X	X	X	X	X	X	X			
ROSTOV	47.22	39.68	42.5	119.2		X	X		X	X						
SINGAPORE	01.30	103.80	-10.1	172.7	X	X		X	X							
SWANSEA	51.63	356.00	55.1	79.8	X	X		X	X							
TOKYO	35.71	139.50	25.4	205.4	X	X	X	X	X	X	X	X	X	X	X	X
TOMSK	56.47	84.93	45.9	159.6	X	X	X	X	X	X						
TROMSO	69.70	19.00	67.1	116.8	X	X		X	X							
TSUMEB	-19.23	17.72	-18.2	82.8	X	X		X	X							
WINNIPEG	49.90	262.80	59.6	323.0	X	X		X	X		X	X	X			

STATION LIST FOR IQSY A1 PULSE ECHO ABSORPTION DATA

STATION	GEOGRAPHIC LAT	GEOGRAPHIC LONG EAST	GEOMAGNETIC LAT	GEOMAGNETIC LONG EAST	MEDIANS 1964	MEDIANS 1965	DAILY NOON 1964	DAILY NOON 1965	DIURNAL 1964	DIURNAL 1965	OTHER SEQUENCES 1964	OTHER SEQUENCES 1965
ABERYSTWYTH	52.43	355.93	55.9	80.2	X	X	X	X	X	X		
ALMA ATA	43.25	76.92	33.4	150.7	X	X	X	X	X	X		
ASHKHABAD	37.93	58.37	30.5	133.4	X	X	X	X	X	X		
COLOMBO	06.90	79.87	-03.0	149.1	X	X	X	X	X	X		
DE BILT	52.10	05.18	53.8	89.3	X	X	X	X	X	X		
DELHI	28.63	77.22	18.9	148.9	X	X	X	X				
DIXON	73.50	80.40	63.0	161.4	X	X	X	X	X	X	X	X
FREIBURG	48.05	07.59	49.4	89.7	X	X	X	X				
GENOVA	44.55	08.95	45.8	89.5	X	X	X	X				
HALLEY BAY	-75.52	333.30	-65.8	24.2	X	X	X	X	X	X		
JULIUSRUH-RUGEN	54.63	13.38	54.5	98.7	X	X	X	X				
MIRNY	-66.55	93.02	-77.0	146.8		X		X				
MURMANSK	68.95	33.05	64.1	126.5	X	X	X	X	X	X		
ROSTOV	47.22	39.68	42.5	119.2	X	X	X	X	X	X		
SINGAPORE	01.30	103.80	-10.1	172.7	X	X	X	X			X	X
TAIPEI	24.95	121.23	12.7	189.5		X		X				
TOKYO	35.71	139.50	25.4	205.4	X	X	X	X				
TOMSK	56.47	84.93	45.9	159.6	X	X	X	X	X	X		

ABERYSTWYTH

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	1.95	C	26	25	21	19	24	24	25	19	24	27	23	26
		M	21	20	19	23	25	28	30	26	23	19	16	19
	3.50	C	26	24	22	15	8	1	4	8	15	22	22	23
		M	11	12	15	21	22	22	26	19	17	9	8	8
1965	1.95	C	24	21	26	25	24	25	24	23	25	24	24	20
		M	21	21	22	25	30	30	29	29	28	21	20	28
	3.50	C	24	20	23	16	6	1	1	7	7	15	22	18
		M	10	12	13	23	26	27	32	22	20	14	12	9

AHMEDABAD

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.5	C								5	18	10	10	21
		M								57	63 DB	62 DB	59	54
	FOE	M								4.3	4.3	4.3	4.2	4.1
	FOF1	M										6.1U	6.6	6.7
1958	2.5	C	16	18	6	4	1							
		M	52	52	62	62	53							
	FOE	M	4.0	4.1										
	FOF1	M	5.5				7.0							

ALMA ATA

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C							29	30	29	31	30	31
		M							45	51	52	50	51	53
	FOE	M							4.5	4.2	4.1	3.9	3.6	3.4
1958	2.2	C	31	28	31	28	28	20	27	23	25	30	27	31
		M	49	47	48	54	49	51	52	52	49	50	45	45
	3.0	C	31	28	31	30	30	28	29	23	27	30	28	31
		M	58	52	54	50	54	51	50	50	44	38	24	43
	FOE	M	3.5	3.6	3.8	4.1	4.2	4.0	4.0	4.1	3.9	3.7	3.4	3.3
1959	2.2	C	24	22	27	30	28	27	30	27	26	27	27	25
		M	53	45	48	57	59	57	53	56	47	44	40	44
	3.0	C	30	23	29	30	29	26	29	25	26	29	27	25
		M	52	50	48	51	57	53	51	58	47	40	40	41
	FOE	M	3.4	3.6	3.9	4.0	4.0	4.0	4.0	3.9	3.8	3.5	3.1	3.1

ALMA ATA (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	2.2	C	28	29	30	30	31	30	29	26	26	31	29	31
		U	38	27	33	34	36	42	36	35	35	31	23	27
		M	27	24	28	31	34	39	34	32	32	27	21	22
		L	24	22	26	25	32	36	32	29	31	20	20	19
	FOE	M	2.75	2.9	3.1	3.2	3.2UA	3.2UA	3.2UA	3.2UA	3.05	3.0	2.8	2.6UA
	FOF1	M	3.9	4.0	4.4	4.4	4.3	4.4	4.3	4.3	4.2	4.2UL	4.0UL	3.8UL
1965	2.2	C	31	25	31	28	31	30	26	30	29	29	30	29
		U	37	27	29	31	36	38	37	36	29	24	21	21
		M	28	25	25	30	34	36	34	34	28	23	18	19
		L	26	19	21	28	31	34	32	31	24	18	15	17
	FOE	M	2.75A	3.0	3.1	3.2UA	3.3	3.3UA	3.2UA	3.3	3.2	3.0	2.8	2.7
	FOF1	M	3.9	4.1UL	4.3	4.5	4.5	4.5	4.4	4.4	4.4	4.2UL	3.8UL	3.7UL

ASHKHABAD

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C											11	23
		M											54	36
	3.0	C							28	30	26	22	24	25
		M							42	32	38	35	32	25
	FOE	M							4.0	3.9	4.0	3.9	3.7	3.8
1958	2.2	C	20	21	9	24	27	21	30	26	22	18	18	27
		M	52	43	59	42	50	46	36	25	30	23	9	31
	3.0	C	23	27	8	24	23	32	30	22	21	22	22	28
		M	34	30	32	29	58	39	34	21	15	26	22	35
	FOE	M	3.7	3.8	4.0	4.1	4.0	4.0	4.1	4.1		3.9	3.8	3.7
1959	2.2	C	25	22	29	25	27	28	30	20	17	25	18	20
		M	24	38	48	48	37	40	43	40	33	24	20	24
	3.0	C	25	20	29	27	26	25	27	28	23	25	20	22
		M	24	31	45	42	32	37	47	41	36	32	19	22
	FOE	M	3.9	3.8	4.0	4.0	4.0	4.1	4.0	3.9	4.0	3.7	3.5	3.4

ASHKHABAD (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	2.2	C	9	24	11	21	14	20	21	24	26	23	22	19
		M	35	38	40	28	28	36	35	28	24	26	19	22
	3.0	C	9	24	10	22	14	21	21	23	26	24	21	16
		M	29	28	36	29	29	36	27	18UC	22	25	21US	24UR
	FOE	M	3.0	3.1	3.4	3.4	3.5	3.6	3.5	3.4	3.4	3.2	3.1	3.0
	FOF1	M	4.0	4.3	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4UL	4.0UL	4.0UL
1965	2.2	C	22	17	23	12	22	23	17	24	11	20	20	25
		M	26	25	20	28	19	11	25	28	23	27	16	23
	3.0	C	22	20	23	12	24	20	18	24	11	18	21	24
		M	22	18	18	20	21	16	17	21	16	24	17	16
	FOE	M	3.0	3.1	3.3	3.4	3.6	3.55	3.55U	3.5	3.4	3.3	3.05	3.0
	FOF1	M	4.0UL	4.3	4.4	4.5	4.6UC	4.6UC	4.6U	4.5	4.5	4.4	4.0	4.0

BAKER LAKE

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C						30	31	31	28	27	9	
		M						47	39	35	DB	37	45	
	2.2	C							31	29	30	20	30	28
		M							39	37	37	R	19	21
	FOE	M						4.0	3.9	3.6	3.6	3.1	2.6	2.4
	FOF1	M						5.2	5.0	5.0	4.5	4.6		
1958	2.0	C		23	30	25	26	29	30	18	30	30	23	26
		M		DB	DB	59	40	48	54	41	54	38	48	B
	2.2	C	31	27	21	18	30	28	26	21	24	21	26	28
		M	24	24	28	30	35	41	40	37	30	23	17	19
	FOE	M	2.5	3.0	3.4	3.7	3.8	3.9	3.9	3.8	3.6	3.0	2.7	2.4
	FOF1	M			4.7	5.0	5.3F	5.2	5.0	5.1	5.0			

BANGUI

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	2.1	C		26	22	24	14	18	26	23	28	26	20	29
		M		34	42	46	41	42	38	48	46	48	46	44
	3.4	C		26	23	22	27	29	28	18	20	13	26	27
		M		39	58	59	26 A	52	53	63	B	64	61	63
	FOE	M		4.3	4.5	4.4	4.3	4.3	4.2	4.4	4.5	4.4	4.2	4.2UR
	FOF1	M		5.4UL	7.5UL	L	L	L	L	L	L	L		L
1959	2.1	C	25	22	28	27	26	20	24	22	22	30	25	22
		M	46	44	36	38	36	34	36	38	46	39	39	36
	3.4	C	29	24	25	29	19	18	16	17	20	28	20	16
		M	61	61	62	B	58	50	55	58	52	46	45	44
	FOE	M	4.3	4.2	4.3	4.3	4.3	4.2	4.2	4.3U	4.1	4.2U	4.1U	4.1U
	FOF1	M	L	L	L	L	L	L	L	L	L	L	L	L

BRISBANE

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.28	C							11	17		6	7	4
		M							43 D	54 D		74 D	68 D	
	3.84	C							20	19	15	7	6	
		M							30 D	46 D	52	79 D	74 D	
	5.8	C							14	19	5	7	10	26
		M							40 D	35	33	49	39	36
	FOE	M							3.7	3.8	4.0		4.1	
	FOF1	M							5.5U	5.0	5.4	7.2	6.6	6.5
1958	2.28	C	3	6	5				14	19	13	17	19	10
		M	53 D	56 D	53 D				42	44	55 D	50 D	38 D	55 D
	3.84	C			3				19	29	17	17	19	10
		M			40				10	15	24	25 D	18	17
	5.8	C	14	18					19	28	20	15	15	11
		M	27	35 DB					20	12	22	26 D	18	14
	FOE	M	3.9	3.8	3.5		3.5	3.7	3.8	4.0	4.0	4.0	4.2	4.3
	FOF1	M	6.5	6.5					4.8	4.9	5.7	6.4	6.6	6.4

CHURCHILL

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C							31	28	30	30	30	31
		M							40	56	DB	52	DB	DB
	FOE	M							3.9	3.8	3.6	3.2	2.9	2.6
	FOF1	M							5.2	5.1	5.2			
1958	2.0	C	31	28	30	30	28	27	30	29	25	30	30	29
		M	DB	DB	DB	55	41	43	44	46	DB	36	51	DB
	FOE	M	2.8	3.0	3.3	3.7	3.8	3.9	4.0	3.9	3.7	3.2	2.9	2.5
	FOF1	M			5.0	5.4	5.4	5.3	5.1	5.4	5.4			
1959	2.0	C	31	28	30	29	24	30	31	29		30	30	30
		M	DB	DB	50	42	45	48	DB	47		DB	DB	DB
	FOE	M	2.8	3.0	3.4	3.5	3.8	3.9	3.8	3.8	3.5	3.0	3.0	2.6U
	FOF1	M			4.7U	5.2	5.1	5.2	5.0	5.0	5.0			

COLOMBO

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.55	C							30	29	30	31	29	31
		M							48	51	64 UB	64 DB	53	53
	2.85	C							29	29	30	31	28	31
		M							40	43	55	53	45	45
	FOE	M									4.0		3.9	4.3
1958	2.55	C	29	26	31	27	25	25	28	30	28	31	26	31
		M	51	55	61	59	52	49	50	55	57	56	51	51
	2.85	C	30	26	31	27	25	20	28	30	28	31	26	31
		M	43	47	53	51	45	43	44	49	51	50	45	45
	FOE	M	4.2	4.2	4.3								4.2	4.0
1959	2.55	C	29	28	29	30	29	25	28	30	29	31	28	29
		M	54	52	58	54	55	48	46	52	50	45	46	42
	2.85	C	29	28	29	30	29	25	29	30	29	31	28	30
		M	47	47	52	48	48	43	42	48	46	41	42	38
	FOE	M		4.0									3.8	

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	2.0	C	31	26	29	27	29	26	29	30	28	30	29	29
		U	37	43	45	43	41	37	36	39	42	44	40	34
		M	35	40	43	41	40	33	33	37	40	42	36	32
		L	33	37	40	40	36	31	31	36	38	40	34	31
	2.2	C	31	27	30	27	30	28	30	30	29	31	30	29
		U	32	38	39	37	36	33	31	35	36	37	33	28
		M	31	35	37	36	35	30	29	32	34	36	30	27
		L	30	32	35	35	33	28	28	31	32	35	29	25
	2.6	C	31	27	30	27	30	28	30	30	29	31	30	29
		U	29	33	35	34	32	30	28	31	32	33	30	26
		M	28	31	33	33	30	28	27	29	30	31	27	25
		L	26	29	32	31	29	26	26	27	28	30	26	24
1965	2.0	C	30	24	26	29	28	29	31	30	27	27	28	31
		U	36	42	44	43	42	38	38	41	44	45	42	40
		M	34	40	42	42	41	37	35	40	42	42	38	37
		L	32	38	40	41	38	36	33	37	40	40	35	33
	2.2	C	30	24	26	29	28	29	31	30	28	29	30	31
		U	31	35	37	37	38	33	32	35	38	38	36	35
		M	30	34	36	36	33	31	29	34	36	37	33	31
		L	28	32	34	36	33	30	29	31	36	36	30	29
	2.6	C	30	24	26	29	28	29	31	29	28	29	30	31
		U	28	31	33	33	34	31	29	31	33	34	31	30
		M	27	30	32	32	32	29	27	30	32	33	29	28
		L	25	29	31	32	30	27	26	29	31	32	27	26

DE BILT

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	1.95	C							14	19	2	20	20	8
		M							49	47		40	34	43
	2.3	C							20	25	19	25	25	16
		M							49	47	51	41	32	40
	2.6	C							24	26	22	23	25	20
		M							50	44	47	39	28	38
	2.9	C							24	25	24	18	23	16
		M							44	37	43	33	23	34
	3.2	C							22	21	23	19	9	1
		M							40	32	37	27	23	
	A(DB)	C							24	27	24	26	25	24
		M							620	580	660	500	390	510
	FOE	M							4.0	3.9	4.0	3.7	3.2	3.4
	FOF1	M							5.7	5.5	5.2			
1958	1.95	C	8	10	14	11	19	12	21	16	18	23	21	13
		M	41	36	47	53	49	50	51	54	47	38	32	37
	2.3	C	22	23	22	18	20	19	25	25	24	27	25	20
		M	40	36	43	48	43	47	50	55	50	43	29	39
	2.6	C	24	24	25	15	23	21	25	21	23	24	21	17
		M	36	34	43	47	50	49	51	54	52	40	29	35
	2.9	C	19	22	25	16	23	20	22	21	22	24	18	15
		M	28	27	38	40	44	47	46	46	45	34	28	35

DE BILT (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	3.2	C	13	10	24	12	22	19	22	21	22	24	21	15
		M	24	24	35	38	43	45	44	46	43	32	26	31
	A(DB)	C	25	24	26	19	24	25	27	26	26	27	25	24
		M	470	440	560	600	620	620	600	640	610	500	350	510
	FOE	M	3.1	3.3	3.8	4.0	4.0		4.0		4.0			
	FOF1	M					6.3	6.0	5.9	6.0	6.6			
1959	2.+5.	C	26	24	24	25	23	26	27	25	26	27	25	25
		M	63	52	54	58	68	62	69	67	52	46	48	55
	FOE	M	3.1	3.2	3.6	3.8	3.9	4.0	4.0	3.7	3.8	3.4	3.0	3.0
	FOF1	M		4.4	5.0	5.6	5.7	5.6	5.5	5.6	5.3	5.0UB	4.0UL	
1964	1.95	C	25	25	24	25	24	26	26	26	26	26	24	25
		U	25	26	28	30	29	32	31	29	25	26	23	19
		M	23	22	25	26	28	29	28	26	23	21	18	16
		L	18	19	22	24	26	25	26	24	23	16	16	13
	2.3	C	26	25	24	25	24	26	27	26	26	26	24	25
		U	26	24	28	27	30	32	31	29	26	24	26	21
		M	22	21	21	24	27	29	29	26	23	20	19	17
		L	20	18	18	22	24	26	27	13	20	14	16	14
	2.6	C	26	24	24	25	24	26	27	26	25	25	22	25
		U	23	24	26	28	29	29	30	27	24	21	21	18
		M	20	21	23	24	27	28	28	24	22	19	15	14
		L	16	20	19	20	24	26	27	20	20	14	12	10
	2.9	C	25	24	24	25	24	25	26	26	26	26	24	25
		U	19	25	38	37	37	35	33	27	32	21	18	15
		M	17	21	29	31	31	30	30	23	22	18	15	12
		L	15	16	24	25	24	27	24	19	18	15	13	10
	3.2	C	26	25	24	23	24	26	27	26	26	27	24	25
		U	20	20	26	50	48	24	32	27	23	20	16	12
		M	14	18	23	35	32	22	23	21	13	15	13	10
		L	12	16	20	29	22	17	18	16	15	12	11	10
	FOE	M	2.4	2.7	2.9	3.1	3.2	3.1	3.2	3.2	3.0	2.7	2.5	2.3
	FOF1	M	3.4	3.8	4.1	4.3	4.3	4.3	4.2	4.2	4.1	3.9	3.5L	3.1

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1965	1.95	C	25	24	27	25	24	25	27	26	25	26	26	26
		U	22	20	22	26	28	30	30	30	27	21	19	
		M	19	18	20	23	26	28	28	28	25	18	16	22
		L	17	16	18	21	22	24	25	26	21	15	13	
	2.3	C	25	24	27	25	25	25	27	26	25	26	26	26
		U	24	22	19	22	28	29	30	29	25	20	17	
		M	19	18	16	20	26	26	27	26	22	18	15	22
		L	16	15	14	18	22	23	26	24	21	15	13	
	2.6	C	24	24	27	25	25	24	27	26	24	26	26	25
		U	17	21	25	22	28	30	29	27	25	20	23	
		M	15	19	18	18	25	28	27	26	22	17	17	15
		L	12	17	12	16	22	25	25	22	18	12	14	
	2.9	C	25	23	27	25	25	25	27	26	24	26	25	26
		U	18	24	29	24	32	39	37	28	28	25	17	
		M	15	20	23	22	29	33	31	26	24	16	15	15
		L	12	16	16	19	27	30	27	22	20	13	13	
	3.2	C	25	24	26	25	24	25	27	26	25	26	26	26
		U	20	19	24	R	32	32	39	30	26	18	15	
		M	15	15	20	32	24	26	22	26	20	15	14	14
		L	12	14	17	22	21	23	20	19	17	13	12	
	FOE	M	2.4	2.7	2.9	3.1	3.2	3.3	3.2	3.2	3.0	2.8	2.6	2.3
	FOF1	M	3.5	3.8	4.1	4.3	4.4	4.4	4.4	4.4	4.2	3.9	3.4	3.2

DELHI

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	5.0	C									7	9	21	17
		M									30	28	22	20
	7.0	C									17	16	17	15
		M									17	17	12	8
	FOE	M											4.2	3.8
1958	5.0	C	19			15	15	18	21	18	21			
		M	19			33	30	32	31	30	29			
	7.0	C	16											
		M	9 M											
	FOE	M	3.5			4.0U	4.0U							
1959	5.0	C	21	24	22	15	16	15	16	13	16	15	20	15
		M	23	27	31	34	32	30	31	33	30	25	24	22
	7.0	C	17	15	12	13	15	8	7	10	9	12	12	12
		M	19R	21R	24R	34R	25	26	23R	25	30R	25R	23	18
	FOE	M	3.8	3.8	3.8									
1964	2.55	C	10	12	6	11	11		14	14	2	2		
		M	38	40	39	41	40		45	43	36	42		
	FOE	M	3.1				3.2		3.4		3.2	3.2	3.0	3.0UR
	FOF1	M	4.2UL	4.3		4.5	4.5		4.3		4.3	4.3UL		4.1UL

DELHI (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1965	2.55	C											6	6
		M											44	42
	FOE	M											3.1UR	3.0UR
	FOF1	M											4.2UL	4.2UL

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C										21	13	23
		M										50 DB	32 DB	27
	3.2	C										26	24	26
		M										27	18	18
	FOE	M										2.3	2.0	1.5
1958	2.2	C	29	20	31	26	29	26	25	31	28	28	27	24
		M	30 DB	50 DB	50 DB	46	42	46	52	46	42	40	24	21
	3.2	C	29	24	31	18	27	24	25	27	26	29	28	25
		M	20	38	51 DB	45	45	52	58	B	37	24	20	14
	FOE	M	1.7	1.7	2.3	3.2	3.4	3.5	3.5	3.3	2.9	2.2	1.7	1.1
	FOF1	M				5.0	5.1	5.0	5.0	5.1	5.0			
1959	2.2	C	30	17	31	30	30	27	25	30	26	19	17	23
		M	28	51	45	39	50	34	B	44	44	52	34	34
	3.2	C	29	20	29	24	30	25	23	22	24	27	23	33
		M	24	37	36	36 UR	52 R	47	B	50	28	28	25	26
	FOE	M	1.3	2.1	2.8	3.2	3.4	3.5	3.3	3.2	3.0	2.3		
	FOF1	M			4.2UL	5.0	5.0	5.1	5.0	5.0	4.2	3.8		

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	1.98	C	7	15	17	20	7	20	12	7	19	19		14
		U	24	R	B	51	54 DB	42	B	B	B	B		12
		M	20 DB	36 DB	47 DB	40	43	31 DB	50 DB	38 DB	42 DB	58 DB		10
		L	6	23 R	31	34	30	26	32	23	31	34 DB		4
	3.2	C	6	17	20	17	7	20	12	9	20	18		3
		U	R	32 DB	R	42 DB	39	R	46 R	36 DB	53 R	41 DB		R
		M	13	19	27	27 UR	33 R	28 UR	34 UR	24 DB	39 DB	30 DB		R
		L	8	12	16 D	25	18	24 UR	27	15	30 DB	24 DB		R
	FOE	M	E	1.5U	2.25	2.6	2.7U	3.0	2.9	2.6	2.3	1.95B		E
	FOF1	M				3.8	3.8	4.0	3.8	3.6	3.6UL			
1965	1.98	C	17	15	12	19	20	20	25	21	21	14	22	30
		M	18	30	36	39	38	36	36	43	49	38	12	10
	3.2	C	1	18	15	18	14	16	24	21	21	23	17	4
		M	10	24	14	24	28	28	32	32	32	18	13	B
	FOE	M	E	1.7EB	2.2	2.6	2.85U	2.9R	2.9R	2.7	2.45	2.1	1.2	E
	FOF1	M			3.5UL	3.8U	4.0	4.1	4.0	3.9	3.8UL			

FREIBURG

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	1.725	C						23	48	56	40	36	15	12
		M						54	42	43	52	52	46	58
	2.05	C						23	54	57	47	30	22	16
		M						52	40	41	43	42	41	55
	2.44	C						23	54	57	47	20	19	16
		M						40	38	38	42	38	34	54
	2.90	C						23	54	56	49	32	31	15
		M						41	39	34	38	34	30	49
	3.45	C						23	53	57	48	35	52	35
		M						42	38	34	39	32	36	40
	4.10	C						21	51	57	50	46	59	53
		M						36	38	29	24	23	20	24
	4.88	C						22	42	57	50	53	59	55
		M						32	20	14	23	18	14	18
	5.80	C									41	55	59	56
		M									14	10	10	14
	FOE	M						4.0	3.9	3.9	3.9	3.6	3.4	3.2
	FOF1	M						6.0	5.7	5.6	5.2			
1958	1.725	C	10	12	49	47	58	47	55	58	40	29	19	40
		M	48	59	55	52	50	49	50	55	53	46	39	46
	2.05	C	39	34	44	49	58	51	58	58	33	37	30	24
		M	50	52	52	50	46	48	50	50	46	38	29	46
	2.44	C	35	40	41	46	58	52	58	58	38	32	21	23
		M	44	42	42	43	44	45	44	47	44	33	26	35

FREIBURG (continued)

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	2.90	C	38	35	33	37	51	49	51	53	28	13	35	27
		M	39	33	39	39	38	42	43	42	41	35	25	32
	3.45	C	37	44	45	31	49	48	45	49	36	23	38	56
		M	38	40	38	38	40	42	42	40	37	37	22	23
	4.10	C	55	54	57	35	45	6	27	57	31	49	55	58
		M	24	25	31	34	40 UR	41	42	34 UR	31	21	16	18
	4.88	C	56	18	58	55	49	30	43	43	54	56	57	58
		M	19	18	25	24	26	27	27	27	24	17	9	15
	5.80	C	56	12	58	55	56	42	52	46	56	58	59	57
		M	20	16	17	19	20	23	26	21	17	14	10	14
	FOE	M	3.3	3.4	3.7	3.9	4.2	4.0	4.0	4.0	3.7	3.5	3.2	3.1
	FOF1	M				6.0	6.1	5.9	5.8	6.2	6.5			
1959	1.725	C	36	37	26	43	36	24	39	26	24	14	10	5
		M	57	53	58	51	49	49	54	42	50	41	48	49
	2.05	C	28	27	29	28	25	29	30	28	29	29	29	29
		M	57	43	43	46	44	42	49	49	38	33	32	44
	2.44	C	28	27	29	28	25	29	30	28	29	29	29	29
		M	50	35	38	42	39	42	46	42	34	31	28	38
	2.90	C	28	27	29	28	25	29	31	28	29	29	29	15
		M	45	32	34	38	39	40	43	41	34	28	26	33
	3.45	C	26	26	28	28	25	29	31	28	29	27	29	29
		M	39	36	34	35	38	42	42	39	36	24	19	22
	4.10	C	27	26	29	27	22	27	25	28	29	28	29	29
		M	27	19	23	29	29	34	29	31	23	16	14	15
	4.88	C	27	26	29	28	25	28	30	28	29	29	30	19
		M	19	18	19	22	21	22	25	23	18	18	12	17
	5.80	C	23	26	29	28	19	29	28	28	15	29	5	
		M	15	16	19	19	25	25	21	20	29	13	8	
	FOE	M	3.2	3.1	3.7	3.8	3.9	3.9	3.9	3.9	3.6	3.2	3.1	2.9
	FOF1	M		4.9	5.2	5.8	5.9	5.7	5.7	5.6	5.7	4.6		

FREIBURG (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	1.725	C	18	14	2	42	29	37	42	41	27	44	24	53
		U	49	42	28	36	31	31	30	28	26	30	26	30
		M	43	33	26	33	30	29	26	27	22	25	18	28
		L	24	28	24	30	28	26	24	25	17	19	8	23
	2.05	C	28	12	2	44	33	37	36	40	26	30	16	43
		U	35	35	26	36	31	35	30	28	27	26	21	28
		M	29	27	26	32	29	33	29	25	22	23	17	23
		L	24	23	26	28	26	27	25	23	16	19	14	21
	2.44	C	54	33	2	43	39	41	42	35	32	28	14	36
		U	30	28	36	36	32	35	34	29	23	33	25	28
		M	27	25	34	31	27	31	28	26	20	18	20	24
		L	23	22	33	25	24	24	24	21	16	15	17	19
	2.90	C	49	41	27	50	43	43	50	51	41	51	46	54
		U	25	33	34	39	32	37	37	26	30	28	26	24
		M	21	28	30	29	29	32	33	22	24	22	19	21
		L	18	22	24	24	23	26	29	19	17	19	17	18
	3.20	C	58	53	30	56	31	18	16	37	37	51	48	60
		U	20	19	18	26	25	31	33	27	21	22	22	21
		M	17	16	16	23	24	23	29	25	16	19	19	18
		L	14	12	13	20	20	16	21	22	10	16	18	17
	FOE	M	2.55	2.55	2.95	3.2	3.2	3.25	3.2	3.15	3.05	2.7	2.52	2.45
	FOF1	M	3.8	4.0	4.28	4.35	4.35	4.3	4.3	4.25	4.15	4.05		
1965	1.725	C	32	46	47	38	46	35	54	39	49	53	50	48
		U	28	31	31	29	32	30	30	29	30	27	19	28
		M	27	26	28	28	30	29	27	27	23	22	14	24
		L	25	24	24	27	28	28	25	24	25	16	12	20
	2.05	C	20	22	43	37	40	37	48	38	35	33	25	34
		U	33	24	26	29	34	33	30	29	27	22	19	29
		M	26	22	24	24	31	32	28	25	25	20	16	24
		L	21	21	18	22	27	29	26	23	21	18	12	22
	2.44	C	36	28	28	42	54	49	56	35	36	32	19	32
		U	27	21	26	25	32	35	29	26	25	23	20	27
		M	24	19	23	22	29	31	27	24	23	21	16	25
		L	21	15	18	20	27	28	24	20	19	20	11	21
	2.90	C	42	44	46	44	56	49	62	36	30	25	45	53
		U	26	28	30	25	33	38	32	25	28	33	26	23
		M	22	24	24	21	30	35	30	21	23	26	20	20
		L	21	21	20	18	28	29	27	16	20	19	13	16

FREIBURG (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	3.20	C	51	53	51	36	30	11	8	18	29	47	52	58
		U	22	19	25	27	35	36	35	26	24	19	R	19
		M	20	18	21	24	30	32	31	20	19	14	16	17
		L	15	14	18	20	22	23	15	18	11	13	13	14
	FOE	M	2.55	2.75	2.98	3.1	3.15	3.22	3.25	3.1	3.0	2.85	2.6	2.42
	FOF1	M	3.9	4.0	4.2	4.3	4.45	4.45	4.32	4.35	4.2	4.05	3.75L	

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	2.0	C	28	28	27	28	28	29	24	27	22	28	29	26
		M	44	38	42	50	48	42	38	39	71	48	34	34
	FOE	M	3.6	3.6	3.7	4.1	4.2	4.2	4.2	4.2	4.0	3.7	3.4	3.3
1959	2.0	C	31	24	30	29	30	28	29	30	30	30	28	22
		M	47	465	50	50	50	49	52	46	37	29	32	36
	3.0	C	31	26	30	30	30	29	31	30	30	30	29	25
		M	68	69	68	76	78	86	86	90	66	55	47	R
	FOE	M	3.4	3.6	3.8	4.0	4.0	3.9	3.9	3.8	3.7	3.4	3.2	3.1
1964	2.0	C	21	29	24	28	25	30	23	30	23	23	27	31
		U	38	33	32	39	38	42	39	37 DB	37 DB	37	41	43
		M	30	31	32	38	34	40	37 DB	36 DB	37	36	38	40
		L	27	28	29	36	31	37 DB	35	34	33	33	36	37 DB
	FOE	M	2.6	2.9	3.1	3.2	3.2	3.2	3.3	3.2	3.2	3.0	2.7	2.7
1965	2.0	C	27	18	20				31	31	30	30	30	27
		U	C	C	C				33	36	37	33	32	31
		M	30 DB	31 DB	30 DB				30	35	33	32	30	27
		L	C	C	C				25	31	29	30	27	22
	FOE	M	2.8	2.9	3.1	3.2	3.3	3.3	3.3	3.2	3.0	3.0	2.7	2.6

HALLEY BAY

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C							24	13	29	31	30	31
		M							16	34	47 DB	30	30	34
	4.0	C								16	25	29	30	28
		M								8	16	15	21	26
	FOE	M								2.0	2.7	3.3	3.5	3.6
	FOF1	M										5.6	5.4	5.1
1958	2.2	C	31	27	30	27	31	27	29	30	30	26	29	31
		M	28	50 DB	53 DB	53 DB	18	16	16	30	40	35	36	37
	4.0	C	20	24	29	30	29	25	30	29	29	24	27	30
		M	28	41 DB	29	14	12	9 F	8	16	22	22	23	32
	FOE	M	3.7	3.1	2.8	2.3				1.8	2.7	3.3	3.4	3.6
	FOF1	M	5.3	5.0	4.4							5.0	5.4	5.2

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	1.2	C								20	27	24	22	
		U								43	53	68 D	50	
		M								24	42	57	38	
		L								15	35	35	30	
	1.6	C										29	24	28
		U										72	39	28
		M										50	32	24
		L										31	29	21
	2.2	C								27	10	16	29	31
		U								19	39	63 D	36	27
		M								14	28UF	48	30	25
		L								9	23	30	24	22
	4.0	C									24	21		
		U									18	22		
		M									11	18		
		L									7	13		
	FOE	M								1.7	2.2	2.6	2.6	3.0
1965	0.83	C					19	30	10					
		U					24	45	35					
		M					14	28	32					
		L					12	13	19					
	1.0	C							21	31	25	22	30	31
		U							30	53	60	35	38	36
		M							12	40	52	41	32	28
		L							20	19	40	33	27	24
	1.6	C	23	26	29	29	31	28	30	31	28			
		U	27	62	57	37	13	22	16	29	43			
		M	24	40	34	22	8	12	10	22	29			
		L	22	24	23	18	4	7	7	10	20			
	2.2	C	24	27	30	26	30	18	25	26		31	30	31
		U	25	42	40	18	12	6	10	17		36	26	30
		M	22	34	27	12	8	5	3	6		25	23	25
		L	19	24	20	9	4	3	1	1		20	21	22
	3.6	C		16	29	29					29	31	28	30
		U		22	18	10					18	17	16	19
		M		20	13	7					12	14	14	15
		L		12	9	5					9	11	13	14
	FOE	M	2.9	2.7	2.3	1.9					2.2	2.6	2.8	2.8
	FOF1	M	4.1	3.8								3.8	4.0	4.1

IBADAN

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C						27	29	24	27	30	24	31
		M						79	71	69	DB	DB	76	74
	2.4	C						29	30	26	27	30	27	31
		M						67	60	63	81	78	68	66
	3.0	C						29	28	24	27	30	27	31
		M						53	48	52	61	59	50	49
	4.0	C						26	27	23	28	28	27	30
		M						46	43	44	51	51	47	45
	5.8	C						27	30	24	28	30	27	31
		M						31	27	27	33	35	32	31
	7.5	C						29	29	24	28	29	23	31
		M						17	16	13	18	22	21	20
	FOE	M							4.3	4.3	4.5	4.5	4.3	4.3
	FOF1	M							5.5	5.5	5.4	5.6		

IBADAN (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	2.0	C	28	23	27	27	20	25	28	27	23	24	26	26
		M	71 DB	73 DB	83 DB	80	73	71	69	80	DB	80 DB	72	75
	2.4	C	29	23	30	23	25	24	29	27	27	29	28	27
		M	62	68	78	71	63	62	63	69	74	72	62	63
	3.0	C	28	25	28	27	22	25	28	28	24	27	25	25
		M	43	47	58	51	48	48	49	53	54	52	46	48
	4.0	C	29	24	28	26	22	24	29	27	22	23	25	25
		M	41	45	50	48	45	47	48	52	49	49	44	44
	5.8	C	31	25	29	28	27	25	29	29	27	28	28	28
		M	30	32	35	34	31	32	31	35	35	33	32	31
	7.5	C	31	24	29	28	25	25	29	27	26	18	28	28
		M	19	19	21	22	18	20	22	23	22	19	21	20
	FOE	M	4.3	4.3	4.4	4.4	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.2
	FOF1	M		5.2										

INVERNESS

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	2.17	C										17	30	29
		M										30	30	41
	4.02	C										16	30	28
		M										17	15	18
	FOE	M										3.3	2.8	2.6
1959	2.17	C	30	28	17									
		M	47	39	36									
	4.02	C	30	28	17									
		M	21	20	22									
	FOE	M	2.8	3.0	3.3									

IRKUTSK

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C											10	24
		M											31 UC	38
	2.6	C											12	24
		M											24 UC	38
1958	2.2	C	29	24	24	28	24	28	19	14		23	28	23
		M	42	39	35	35	34	34	35	50 DB		26	23	28
	2.6	C	29	22	21	27	23	28	16	22		25	27	24
		M	36	33	21	31	32	36	B	50 DB		31	29	31
	FOE	M	3.0		3.4			4.0	4.0	4.0	3.9		3.1	3.0
	FOF1	M						5.8UL	5.7	6.0	6.6			
1959	2.2	C	18					28	20	25	26	22	12	18
		M	29					24	19 DB	50 DB	24	20	19	23
	2.6	C	17					28	20	26	27	19	11	15
		M	24					31	DB	50 DB	29	26	25	23
	FOE	M	3.0	3.3	3.5	3.9	4.0		4.0		3.7	3.1	3.0	2.9
	FOF1	M					6.0UL	5.6	5.4	5.6U	5.4UR	5.0		

JOHANNESBURG

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	1.83	C	8	8	17	18	18	18	9	18	15	15	20	11
		M	62	52	60	44	44	48	44	52	53	60	56	56
	2.63	C	8	8	19	19	17	20	13	18	16	9	16	16
		M	48	42	50	39	35	32	31	36	36	45	46	47
	FOE	M	4.1	4.0			4.0	3.9	3.9	4.1	4.1	4.2	4.4	4.4
	FOF1	M	6.4	6.2				5.2				7.4	6.4	6.2

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	3.18	C							29	29	30	20		
		M							40	37	37	R		
	3.86	C											30	28
		M											19	21
	FOE	M							3.6	3.8	3.7	3.4	3.1	
	FOF1	M							5.5	L	L			
1958	3.18	C				18								
		M				30								
	3.2	C					30	28	26	21	24			
		M					35	41	40	37	30			
	3.86	C	31	27	21							21	26	28
		M	24	24	28							23	17	19
	FOE	M	2.8UC	3.2	3.5	3.8	3.8UC	3.9	4.0	4.0R	3.7	3.5	3.0	2.9
	FOF1	M				5.8UL		5.7	5.7	5.8	6.3L			
1959	3.18	C	28	28	16	28	29	27	14	18	24	22	25	
		M	25	25	26	32	37	35	33 DB	36	28	19	17	
	3.86	C	28	28	16							22	25	30
		M	25	25	26							19	17	18
	FOE	M		3.2	3.6	3.8	4.0	3.9	3.8	3.8	3.6	3.2	2.8	
	FOF1	M				5.6	5.7	5.7	5.4	5.4UL				

JULIUSRUH (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	3.86	C	28	28	30	28	22	18	13	24	20	28	30	26
		M	16	18	18	20	21	21	22	19	17	15	15	13
	FOE	M	2.5	2.75R	2.95R	3.1UR	3.2	3.2A	3.1A	3.0A	2.9	2.55R	2.25R	2.2UA
	FOF1	M		3.5	4.2UL	4.3	4.3	4.4	4.3	4.2	4.1UL	3.9UL		
1965	3.86	C	29	25	24	18	20	22	15	9	17	23	26	20
		M	16	16	16	21	17	18	22	20UC	19	18	11	14
	FOE	M	2.35	2.5UR	2.85	3.05A	3.05A	3.2UA	3.25A	A	3.0UA	2.95A	2.45	2.2UA
	FOF1	M			3.8UL	4.2UL	4.3	4.4	4.3	4.3	4.1	3.5UL		

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	1.6	C							30	30	28	29	29	28
		M							41	39	54	40	36	44
	2.0	C							29	30	29	31	29	28
		M							38S	37S	47S	32S	28S	41S
	2.6	C							30	30	30	31	26	26
		M							31	30	38	25	22	22
	3.0	C							31			30		27
		M							32			23		21
	3.2	C								29	30		29	
		M								28	34		17	
	3.6	C								28	29	31	29	
		M								34	42	17	14	
	4.4	C							28			31	29	27
		M							23			16	14	12
	5.2	C							25	25	26	31		
		M							20	14	17	12		
	I(D)	C							31	30	29	31	29	28
		M							480	415	535	350	305	365
	FOE	M							3.8	3.6	3.6	3.2	2.8	2.6
	FOF1	M							5.5	5.2	4.6			

KJELLER (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	1.6	C	26	24	29	30	30	30	27	31	30	27	29	24
		M	44	47	49	40	36	40	37	46	41	38	28	41
	2.0	C	25	24	29	30	30	30	27	31	29	28	30	17
		M	41	46	44	36	36	38	39	42	40	32	28	35
	2.6	C	19	24	29	30	30	30	27	31	30	28	19	17
		M	32	36	32	33	30	31	37	35	30	26	24	21
	3.0	C	26		29	30	30	30	27				30	24
		M	22		31	25	27	32	34					16
	3.2	C		24						31	30	22	16	
		M		24						37	30	28	16	
	3.6	C		24	27	30				31	29	27	30	
		M		21	29	36				38	32	19	14	
	3.8	C	30				29	28	26					26
		M	15				36	40	41					15
	4.0	C			29	30				30	30	27	30	
		M			27	30				27	23	17	13	
	4.4	C	30	24			30	30	26					
		M	15	18			22	25	23					
	4.8	C			29	30	30	28	26	28	27	27		
		M			20	16	19	24	20	20	17	13		
	5.2	C							22	28	29			
		M							18	19	15			
	5.6	C	30	24		30	29	25				28	30	26
		M	7	12		12	14	31				8	8	8
	I(D)	C	30	27	28	30	30	30	26	31	30	28	30	26
		M	410	445	465	410	415	450	465	460	420	350	305	360
	FOE	M	2.6	2.8	3.3	3.8	3.8	3.8	3.8	3.8	3.6	3.2	2.6	2.4
	FOF1	M				5.8	5.6	5.5	5.4	5.4	5.5			

KUHLUNGSBORN

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	0.245	C							30	31	30	31	30	30
		M							74	71	71	60	43	53
	1.178	C							31	30	30	31	30	30
		M							72	69	71	68	57	53
	FOE	M							3.9	3.8	3.8	3.6	3.2	3.0
1958	0.245	C	31	28	31	29	31	30	31	31	30	31	30	31
		M	42	48	56	68	69	72	71	72	72	56	42	39
	1.178	C	31	28	27	29	18	25	26	25	29	26	30	31
		M	59	61	63	65	67	67	67	63	66	62	54	52
	FOE	M	3.1	3.3	3.6	3.9	3.9	4.0	3.9	3.9	3.7	3.4	3.1	3.0
1959	0.245	C	31	28	31	30	30	28	30	28	30	31	30	31
		M	44	45	57	67	67	73	74	73	68	57	45	40
	FOE	M	3.2	3.3	3.6	3.8	3.9	3.8	3.9	3.8	3.6	3.2	2.9	2.8

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	1.73	C							30	29	24	7	28	27
		M							46	45	58	42	37	49
	2.23	C							30	29	24	8	28	30
		M							40	36	46	32	29	42
	FOE	M							3.9	3.8	3.8	3.6	3.2	3.0
	FOF1	M							5.6	5.7				
1958	1.73	C	24	16	16	29	31	27	27	29	28	29	23	30
		M	59	53	57	49	44	46	43	51	46	39	31	44
	2.23	C	28	16	16	29	31	27	28	30	28	29	23	30
		M	43	38	44	38	38	40	39	44	37	31	24	33
	FOE	M	3.1	3.3	3.6	3.9	3.9	4.0	3.9	3.9	3.7	3.4	3.1	3.0
	FOF1	M				6.1				6.8	6.1			
1959	1.73	C	29	26	28	26	31	28	28	17	24	16	30	31
		M	56	46	48	48	48	40	49	49	39	34	40	52
	2.23	C	31	26	28	27	31	30	27	16	24	15	30	31
		M	50	34	36	37	41	39	46	44	36	29	30	40
	FOE	M	3.2	3.3	3.6	3.8	3.9	3.8	3.9	3.8	3.6	3.2	2.9	2.8
	FOF1	M				5.4	5.8	5.7	5.6	5.6	5.5			

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	2.0	C	25	23	9									
		M	50 DB	50 DB	48 U									
	2.07	C			12	28	29	28	29	24	29	15	6	30
		M			49 DB	49 DB	54 DB	49 U	50 U	56 DB	57 DB	54 DB	56 DB	48 U
	2.38	C	26	23	9									
		M	50 DB	50 DB	48									
	2.83	C			12	28	29	28	29	24	29	15	6	30
		M			47 DB	48 U	45 U	42	42	47 U	48 U	46	46	42
	3.37	C	5	12	6									
		M	39 U	42 U	41 U									
	4.76	C	6	20	7									
		M	32 U	34 U	34 U									
	5.65	C			11	26	27	21	26	23	28	15	6	28
		M			31	31	32	28	29	29	31	34	35	31
	8.10	C			8	27	29	27	25	24	29	15	6	29
		M			16	12	11	10	11	14	14	14	3	10
	8.19	C				23	26	26	26	12	26	13	1	29
		M				10 U	11	10 U	11 U	11 U	13	13 U		10
	FOE	M	4.3	4.2	4.3	4.2	4.2	4.2	4.1	4.2	4.2	4.1	4.1	4.0
	FOF1	M	6.3U	L	L	A	L	7.0U	6.2UL	7.2U	5.5U	L	L	L

MIRNY

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1965	1.9	C	29	23	29	26	18	15	18	24	30	30	25	26
		M	28	32	29	28	28	30	32	33	27	27	30	30
	2.2	C	29	26	29	25	17	18	11	17	29	31	26	31
		M	28	30	25	28	23	22	31	28	22	23	28	27
	2.6	C	29	24	26	22	15	18	19	16	12	28	26	30
		M	22	22	18	19	11	10	10	14	12	17	20	24
	FOE	M	3.1	3.1	2.8	2.5	2.3	2.05U	2.4F	2.3	2.7	3.0	3.0	3.0
	FOF1	M	4.0	4.0F	3.9F	3.6F	3.0			3.2F	3.7UF	3.9F	4.0	4.0

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C							28	29				
		M							49	41				
	2.2	C									29	21	25	28
		M									52	42	27	49
	3.0	C							29	28	28	18		
		M							40	37	50	39		
	FOE	M							3.9	3.8	3.7	3.4	3.1	2.9
	FOF1	M							5.7	5.6	5.6	6.0		
1958	2.2	C	29	25	30	29	27	29	30	28	28	30	22	27
		M	50	58	45	41	45	46	46	49	44	38	32	38
	2.6	C											18	
		M											32	
	2.8	C		18								32		
		M		52								30		
	3.0	C				28	27	28	30	28	28			
		M				39	40	42	43	44	38			
	FOE	M	3.0	3.1	3.4	3.8	4.0	4.0	4.0	3.9	3.8	3.3	3.0	2.9
	FOF1	M			5.8	6.7	6.4	5.8	5.7	5.9	6.5	6.4U		

MURMANSK

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	2.2	C	27	22	23	26	28	28	31	31	24	22	17	31
		M	20	37	38	33	36	37	45 DB	39	28	17	37	34
	3.0	C	28	24	22	26	28	27	31	31	17	21	21	30
		M	14	22	22	23	27	28	40	22	22	18	24	17
	FOE	M	2.4	3.0	3.1	3.4	3.5	3.6	3.5	3.5	3.2	2.7	2.2	
	FOF1	M			4.3	5.2UL	5.4	5.2	5.1	5.2	4.6	4.2		
1964	2.0	C	15	12	28	28	29	25	25	23	27	15	24	25
		M	21UF	75UFB	60UC	46UF	37DB	26	35US	25UF	54DB	B	55DB	18
	3.0	C	21	23	24	21	17	16	13	12	25	26	28	27
		M	15	24	46D	41UH	74DB	26	27UR	26	38UF	40	23	14
	FOE	M	1.8EB	2.2EB	2.3U		3.0EB	2.85B	3.0EB	3.0EB	2.8UB	2.0EB	1.8EB	1.4EB
	FOF1	M			3.6	3.9UB	4.0	4.0	4.0	3.9	3.7L	3.0EB		
1965	2.0	C	25	8	25	15	25	30	27	25	26	19	22	29
		M	21	42	45	40	43UH	40	34UF	39	54	36	27	23
	3.0	C	27	23	23	8	10	14	11		20	27	29	30
		M	16	20	21	20	46	28	27UA		28	20	12	16
	FOE	M	1.6EB	1.9U	2.4	2.7	3.0	3.0UA	3.0UA	3.0	2.7	2.35B	1.6U	1.4EB
	FOF1	M			3.7L	4.0	4.0	4.2	4.0U	4.0				

OTTAWA

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C							26	30	29	27	30	31
		M							B	B	B	B	52	DB
	FOE	M							4.0	4.0	4.0	3.8	3.5	3.3
	FOF1	M							5.4					
1958	2.0	C	27	27	26	29	28	28	22	31	29	29	19	23
		M	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	CB
	FOE	M	3.3	3.5	3.8	4.0	4.0	4.0	4.0	4.0	4.0	3.8	3.4	3.3
	FOF1	M			5.6U	6.3	5.9	5.5	5.4	5.8	5.9			

PARIS-DOMONT

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	3.4	C	5	8	10	7	9	8	9	9	6	9	6	5
		M	22 R	38 DB	39	37	43	51	R	35	41	32	38	39 R
	FOE	M	3.3	3.5	3.7	3.9	4.0	4.1	4.0	4.0	3.9	3.8	3.6	3.3
1958	3.4	C	8	6	8	8	6	8	9	7	7	8	8	
		M	34	36	40	37	47	44	46	41	43 DB	28	27 R	C
	FOE	M	3.4	3.6	3.9	4.0	4.0	4.0	4.0	4.0	3.8	3.6	3.3	3.2

PENN STATE U

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.155	C							25	27	26	27	23	18
		M							58	50	66	57	43	56
	FOE	M							4.0	4.0	4.0	4.0	3.8	3.6
1958	2.155	C	23	14	20	24	27	24	23	26	22	23	21	22
		M	53	43	59	55	46	50	41	41	40	27	31	29
	FOE	M	3.6	3.7	3.9	4.0	4.0	4.0	4.0	4.1	4.0	3.8	3.5	3.5

PORT LOCKROY

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	2.0	C					28	25	29	31	28	31	30	30
		M					34	30	40	36	27	33	33	35
	2.6	C					27	28	26	26	28	31	30	30
		M					22	19	25	24	21	27	30	32
	FOE	M					2.3	2.1	2.1	2.9UA	3.2UA	3.6	3.8UA	3.9UA
1959	2.0	C	31	28	27	30	16	19	15	23	29	31	29	27
		M	39	39	34	30	36	19	33	46	32	32	37	34
	2.6	C	30	28	28	14	17	28	29	25	30	31	30	28
		M	34	31	28	29	18	12	25	27	23	21	27	26
	FOE	M			3.3	2.8	2.4	2.0	2.2	2.9R	3.1	3.4	3.7	
	FOF1	M											5.0	

PORT STANLEY

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C					23	23	26	26	19	17	25	20
		M					32	33	38	38	41	49	50	52
	2.6	C	22	24	3		23	23	26	23	19	17	25	20
		M	48	43			27	28	32	33	35	37	42	42
	A(DB)	C	22	24	4		23	23	27	26	19	17	26	20
		M	570	485			280	270	320	350	360	480	460	490
	FOE	M	4.1	3.8	3.6	3.4	3.0		3.0	3.3	3.6	3.9	4.2	4.2
	FOF1	M	6.1	L	L								6.6	6.2
1958	2.2	C	22	23	25	21	25	8	25	22	22	21		25
		M	52	48	49	37	37	46	50	42	41	48		50
	2.6	C	22	23	25	21	25	8	25	22	22	21		25
		M	45	40	41	28	28	40	47	34	32	43		45
	A(DB)	C	22	23	25	21	25	8	25	22	22	21		25
		M	485	430	420	290	280	375	440	335	340	440		490
	FOE	M	4.2	3.8	3.6	3.4	3.0	2.9	3.0	3.4	3.6	3.9	4.0	4.1
	FOF1	M	6.4	6.4									6.4	6.2

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	2.2	C	23	27	31	27	24	28	31	30	27	25	25	19
		M	54	50	51	40	42	34	48	46	38	41	49	48
	2.6	C	22	20	19	20	17	21	23	19	21	19	19	11
		M	47	42	45	32	36	25	38	35	30	34	40	41
	A(DB)	C	23	27	30	27	24	28	31	30	27	25	25	19
		M	510	465	435	340	350	260	400	370	310	360	425	430
	FOE	M	4.1	3.9	3.7	3.3	3.1	2.8	2.9	3.2	3.5	3.7	3.8	3.9
	FOF1	M	6.3	6.4								L	5.6	5.5
1960	2.2	C	26	28	27	24	21							
		M	49	43	39	30	34							
	2.6	C	15	20	20	11	15							
		M	42	39	34	22	33							
	A(DB)	C	26	29	27	24	21							
		M	435	400	360	250	280							
	FOE	M	3.9	3.7	3.5	3.2	2.9	2.7	2.8	3.2	3.6	3.6	R	3.7
	FOF1	M	5.7	5.7UL	5.4L	4.1L	L	L	L	L	L	L	4.4U	4.9

RESOLUTE BAY

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C						29	22	15	28	29	26	29
		M						DB	24	34	DB	32	22	13
	FOE	M						3.7	3.5	3.3	3.0	2.4	1.7	1.2
	FOF1	M						4.8	4.8	4.5	4.5	3.9U		
1958	2.0	C	17	21	31	29	25	29	29	29	25	26	29	25
		M	8	DB	DB	36	35	30	42	DB	46	32	19	17
	FOE	M	1.5	1.9	2.5U	3.2	3.5	3.5	3.5	3.4	3.0	2.3	1.6	1.2U
	FOF1	M			4.0U	4.8	4.9	4.9	4.8	4.8	4.5			
1959	2.0	C	30	28	31	30	31	C	31	C	C	30	30	31
		M	15	50	58	48	B		B			38	16	15
	FOE	M	1.4	1.9	2.8	3.2	3.5	3.5	3.4	3.3	2.8	2.2	1.4	1.2U
	FOF1	M			4.4U	4.5F	4.8	4.6	4.6	4.7	4.1	3.8U		

ROSTOV

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1958	2.2	C						9	13	11	16	13	22	26
		M									36 US	C	28	35
	3.0	C						9	13	14	16	12	21	8
		M								38	33	C	24 R	C
	FOE	M						3.9	3.9	4.0	3.7	3.5	3.4	3.1
	FOF1	M							6.0	6.4	6.0			
1959	2.2	C	28	16	28	27	23	14		20	29	28	27	30
		M	46 DB	37 US	40	40 US	41 DB	39 US		44 US	36	30	32	36
	3.0	C	28	19	25	28	22	14		19	29	28	28	31
		M	44	32	33	38	40	40		41	33	26	27	28
	FOE	M	3.4	3.4	3.7	3.9	4.0	4.0		3.9	3.7	3.3	3.1	3.0
	FOF1	M		4.3	5.7	6.6UL	6.0		5.9	6.0UL	4.2	3.6		
1964	2.2	C	25	25	25	26	25	23	29	21	29	30	28	28
		M	18	21	18	17	26	28	26	22	17	16	12	18
	2.8	C			24	25	25	22	30	21	29			
		M			24	20	24	24	24	20	18			
	3.0	C	25	25								27	28	29
		M	12	16								12	13	9
	FOE	M	2.7	2.85	3.1	3.2	3.2	3.25A	3.2UR	3.2	3.1U	2.8	2.6	2.5
	FOF1	M	3.6	4.0	4.3	4.4	4.3	4.3UR	4.2	4.2	4.1	4.0UL	3.6UL	3.5

ROSTOV (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1965	2.1	C	26	28	30	26	28	27	24	26	18	26	26	29
		M	16	13	18	18	22	22US	20US	24US	18US	18US	10	14
	2.7	C			31	26	28	26	23	26	18			
		M			20	20	25	32US	25	24	24US			
	3.0	C	25	27								24	25	28
		M	11	14								18	16	11
	FOE	M	2.6	2.8	3.0	3.1	3.2	3.2	3.3E	3.3UR	3.1	3.0	2.6	2.5
	FOF1	M	3.7UL	4.0	4.2	4.4	4.4	4.4	4.4E	4.3	4.3	4.2UL	4.0UL	3.6UL

SINGAPORE

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.4	C	16	21	24	18	21	17	16	8	3	8	23	18
	A(DB)	A	550	515	610	605	560	530	510	550	630U	640	625	535
	FOE	M	4.3	4.3		4.3		4.3	4.2	4.3	4.4	4.5	4.4	4.5
	FOF1	M											6.2	6.4
1958	2.4	C	23	18	13	11	21		25	20	18	23		
	A(DB)	A	570	545	590	585	525		490	575	600	605		
	FOE	M	4.4	4.3	4.4	4.4	4.3	4.2	4.2	4.4	4.4	4.4	4.3	4.3
	FOF1	M	6.8L	6.7L		5.7	5.3L	5.4UL	5.5UL	6.3L				
1964	2.4	C	31	28	31	29	28	30	26	30	26	31	27	27
		U	38	44	46	45 UC	41 UC	34	34	38	43	46	42	36
		M	36	36	43	40 UC	37 UC	32	34	36	41	44	38	32
		L	34	35	40	36 UC	33 UC	30	32	32	40	40	36	30
	FOE	M	3.5	3.5	3.5	3.5	3.45	3.45	3.4	3.4	3.5	3.5	3.4	3.4
	FOF1	M	4.4	4.4	4.6	4.6	4.4	4.4	4.3	4.4	4.5	4.6	4.5	4.5
1965	2.4	C	26	24	27	24	23	30	29	31	27	29	29	30
		U	36	42	42	41	38	32	34	40	44	48	41	39
		M	32	38	40	39	34	30	32	36	42	46	38	35
		L	29	34	37	37	28	27	30	33	39	42	36	32
	FOE	M	3.45	3.5	3.5	3.5	3.5	3.5	3.45	3.5	3.55	3.55	3.45	3.4
	FOF1	M	4.4	4.5	4.6	4.5	4.6	4.6	4.5	4.5	4.6	4.7	4.6	4.4

SWANSEA

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C										5	13	14
		M											38	46
	2.4	C												14
		M												36
	FOE	M										3.6	3.8	3.1
1958	2.0	C	20	13	18	15	12	10	19	12	11	20	13	10
		M	53 DB	42	51	47	44	43	43	44	43	37	28	38 C
	2.4	C	20	13	18	15	12	10	19	12	11	20	14	10
		M	40	35	38	38	39	42	40	40	37	28	22	32
	FOE	M	3.2	3.4	3.7	4.0	4.0	4.1	4.0	4.0	3.8	3.5	3.1	3.0

TAIPEI

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1965	5.8	C	22	20	24	23	24	20						
		M	13	8	11	13	12	12						
	2.3	C											14	25
		M											28	24
	3.5	C											14	26
		M											17	14
	FOE	M	3.4						3.6U	3.6U	3.5U	3.4U	3.2U	3.15
	FOF1	M	4.3U	4.4U	4.4				4.45	4.5	4.5U	4.65U	4.3U	4.3U

TOKYO

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.4	C										7	15	29
		M										46	45	49
	2.8	C							24	24	15	18		
		M							52	46	52	44		
	3.0	C											16	29
		M											42	37
	4.7	C											16	29
		M											27	29
	FOE	M							4.2	4.1		4.0	3.8	3.8
	FOF1	M							6.1	6.0	6.2			6.4
1958	2.4	C	28	13	18	8	25	14	19	16	14	17	21	19
		M	44	37	48	48	45	50	53	50	50	38	26	40
	2.8	C	18	16	16	14							22	18
		M	34	33	39	44							20	35
	3.0	C					19	21	22	23	14	14		
		M					40	43	44	44	41	32		
	4.2	C	14	16										
		M	32	28										
	4.5	C								17	8	14	16	21
		M								30	27	23	12	22
	4.8	C			25	17	24	22	9					
		M			26	27	26	28	29					
	FOE	M	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.0	3.8	3.6	3.6
	FOF1	M	4.2				6.5	6.2	6.0	6.5	6.5			

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1959	2.4	C	24	23	25	20	23	25	26	24	24	28	24	26
		M	48	39	52	49	56	53	54	55	48	36	32	32
	2.8	C	20	17	22	22								
		M	41	34	43	45								
	3.0	C											25	26
		M											23	22
	3.2	C					25	25	26	25	25	27		
		M					45	43	40	43	36	33		
	4.5	C	23	18	16	16								
		M	25	23	31	34								
	4.6	C					7	20	20	21	22	25	21	24
		M					38	30	25	27	28	18	15	18
	FOE	M	3.8	3.8	4.0	4.0	4.1	4.1	4.0	4.0	3.9	3.7	3.5	3.5
	FOF1	M					6.3	5.9	5.8	5.9	5.9			
1964	2.0	C	26	24	23	18	17	25	27	14	23	30	26	29
		U	35	30	37	37	42	42	39	34	35	32	25	24
		M	32	29	34	36	38S	39	37	30	31	28	18	19
		L	27	24	31	35	36	35	35	29	26	25	13	17
	2.4	C	19	24	25	19	18	26	27	14	21	29	25	29
		U	30	29	34	36	40	41	39	33	32	28	24	20
		M	25	26	31	33	37S	37	35	28	28	24	18	15
		L	21	20	26	31	34	34	34	26	25	21	10	11
	FOE	M	3.05	3.1	3.25	3.25	3.3	3.3	3.4	3.3	3.3	3.25	3.0	2.95
	FOF1	M	4.2U	4.4U	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.1

TOKYO (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1965	2.0	C	27	28	29	30	31	29	31	31	28	29	29	27
		U	21	30	35	36	41	36	36	34	35	32	24	25
		M	18	28	34	34	39	34	33	31	30	27	20	21
		L	17	26	33	31	37	34	30	30	28	24	16	17
	2.4	C	27	28	29	30	31	29	30	31	29	29	30	29
		U	16	30	32	34	36	36	31	33	29	30	23	23
		M	14	26	27	32	34	35	30	30	25	26	20	20
		L	11	24	25	29	32	34	29	29	20	24	15	17
	FOE	M	3.05	3.15	3.25	3.3	3.35R	3.4R	3.4UR	3.45	3.4R	3.2	3.1	3.0
	FOF1	M	4.2	4.3L	4.5L	4.5L	4.5L	4.35L		4.6	4.5L	4.45L	4.2UL	4.1L

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.2	C												27
		M												B
	FOE	M												2.7
1958	2.2	C	15	14	23	24	27	25	28	29	21	22	25	35
		M	52	B	36	36	42	40	44	B	39	30	34	37
	3.0	C				22	30	26	29	28	20	19	19	12
		M				29	40	40	39	39	B	B	37	B
	FOE	M	2.8	2.9	3.2	3.7	3.9	3.9	3.9	3.8	3.5	3.2	2.9	2.6
	FOF1	M				6.8	6.1	5.6	5.6	6.0	6.0U			
1959	2.2	C	29	18	25	29	27	24	24	24	25	28	29	29
		M	B	43	38	36	42	36	32	33	38	30	42	34
	3.0	C	12		24	26	24	24	24	29	27	21		
		M	B		27	28	30	26	22	20	24	16		
	FOE	M		3.0	3.4	3.7	4.0	4.0	4.0	3.8	3.5	3.0	2.8	2.5
	FOF1	M			4.5UL	5.7UL	6.0UL	5.7	5.6	5.6	5.7			

TOMSK (continued)

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1964	2.2	C		10	22	18	15	20	16	21	22	21	13	
		U		33	25 A	26	28 A	24 A	29 A	32 A	27 A	31 A	22 A	
		M		28	22	24 A	25 A	24 A	28 A	29	26	26 A	20 A	
		L		25 A	21	22 A	22	21 A	24 A	27 A	24 A	24 A	18	
	FOE	M	2.25	2.5	2.85	3.0	3.1	3.05	3.05	3.0	2.95	2.6	2.35	2.2
	FOF1	M	3.2U	3.6U	4.0	4.2	4.2	4.2	4.1	4.1	4.0	3.8	3.3U	
1965	2.2	C			17	25	21	26	25					
		U			26	28 A	24 A	26	30					
		M			25	24	22 A	24 A	28 A					
		L			22	22 A	20 A	23	26 A					
	FOE	M	2.25	2.45	2.8	3.0	3.05	3.2U	3.2		2.95	2.7	2.35	2.15
	FOF1	M		3.8U	4.0	4.2	4.3	4.4	4.3	4.2	4.1	4.0U	3.6U	

TROMSO

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C								24		25	25	23
		M								40 S		29 S	29	21
	2.6	C							22		25		26	23
		M							36 S		48 S		19	14
	A(DB)	C							21	24	25	25	26	24
		M							725	540	785	450	395	350
	FOE	M							3.6	3.4	3.2	2.7	2.1	1.8
	FOF1	M							5.3	5.0				
1958	2.0	C	24	24	26	23	21	25	28	26	27	28	19	
		M	20	52	56 DB	50 S	36 S	41 S	46 S	50 S	45 S	35 S	24 S	
	2.6	C	26	24	26	24	22	25	28	26	27	27		
		M	13	32	52	40	27	34	41	41	30	24		
	A(DB)	C	26	24	26	23	21	25	28	26	27	28	24	24
		M	255	615	810	630	555	635	680	760	525	405	330	435
	FOE	M	1.8	2.4	2.9	3.4	3.6	3.6	3.6	3.5	3.2	2.7	2.1	1.7
	FOF1	M				5.4	5.3	5.3	5.2	5.4				

TSUMEB

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C							13	28	17	21	27	21
		M							42	47	64 H	67 H	68	68 H
	2.75	C							8	29	26	28	29	28
		M							33	40	54	60 H	58	59
	FOE	M							3.9	4.0	4.3	4.4	4.5	4.5
	FOF1	M										7.5UL	7.2UL	6.7
1958	2.0	C	28	26	20	24	29	30	31	27	29	27	28	28
		M	64	61	64	56	47	43	44	53	60	62	62	64
	2.75	C	30	28	23	24	28	25	31	27	30	27	28	28
		M	54	53	56	51	38	35	36	44	50	54	52	56
	FOE	M	4.5	4.3	4.3	4.2	3.9	3.9	3.9	4.2	4.2	4.3	4.3	4.4
	FOF1	M	6.7H	6.8H									6.6	6.6

WINNIPEG

MONTHLY MEDIAN NOON VALUES

YEAR	FREQ MHZ		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1957	2.0	C												18
		M												B
	FOE	M												3.0
1958	2.0	C	31	27	30	29	31	29	31	31	30	29	27	24
		M	B	DB	DB	41	B	DB	B	DB	DB	B	47	DB
	FOE	M	3.0	3.2	3.8	4.0	4.0	4.0U	4.0	4.0	3.8	3.5	3.0	3.0
	FOF1	M			5.0	5.8	5.3	5.2	5.1	5.6	5.4			

SECTION 2

Daily Noon Absorption Values in Decibels

Stations Listed Alphabetically

(See IGY/IGC and IQSY Station Lists on pages 18 and 19)

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IQSY Data	208

ALMA ATA

PERIOD NOON UNITS 0.1 DB FREQUENCY 2.2

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	401B	473	S	541	407	511	503	451	441	495S	C	476	538	B	B	499	447	346
02	210A	527	425	518	381	453	471	B	441	600S	B	494	526	505B	496	530	C	382B
03	466A	496	504	514	423	524	509	300	461	632B	429	484	575	C	473	588	B	414A
04	541A	501	501S	531	386	339	527	473	454	550	414	S	S	505C	497	444	488	456
05	S	568	562S	533	412	510	458	531	471	543	495S	S	482S	C	482	C	452	494B
06	262S	472	550S	430	407	503	474	467	482	451B	B	B	482B	B	438	497	494	502B
07	554	506S	B	520	503	532	512	473	499	570B	487	B	482	S	C	542S	466	430
08	386A	583	572	481	505	487	467	602	498	504B	B	S	B	C	491B	489	482	570
09	454A	523	485	467	391	577	455	532	500	590S	S	509	507B	498	494	475	445	522B
10	533A	509	523	463	565B	556	536	507	470DB	592S	501S	545DB	479B	C	420B	525	358	451
11	281	527	605	573	512	530	513	379	486	544	494	C	B	B	462B	392	406	426
12	526B	560S	620B	551	580	478	558	488	486	601S	421	B	548B	B	479	500	516	B
13	S	467	457B	473	582	511	461	460	506	554	477	C	523	532	480	558B	404	335A
14	494S	470	567B	474	561	614	447	388	475	510S	460	B	529	B	585B	485	496	377
15	332S	531	556	504	641	580	447	350	456	S	490	S	531	B	493	525	432	488
16	428	501	454	386	540	589	452	508	472	528B	459	464DB	506	B	508B	488	466	467
17	504C	535	616S	569	469	620S	482	475	458	B	478	504DB	484	C	586B	374C	413	506S
18	433	512	431	568	B	587	487	455	430	517	B	441S	497	415	B	459	403	404
19	455	547S	620B	B	558	530	547	453	492	444	466C	S	B	486	493	560	446	440
20	341	491S	588	383	446	549	475	442	472DB	516	B	464S	C	523	438S	510B	478	352
21	536	510	B	440	536	481	480	493	458	531	S	487	507	444	C	441	474	463
22	B	521	541	304S	576B	593	534	516DB	468	498	B	514	514	472	448	472S	478	437B
23	340S	478	506	470	656B	601	505	428	463	455	497	556DB	515	524	479	514	C	B
24	452	522	470S	592B	B	593	506	446	527DB	477	494	S	515	C	582B	535	443	483B
25	425B	476	464S	384	580B	480	551	477	492	S	B	472S	C	497	S	418	448	388
26	421A	608	475	502	477	482	518	515B	452DB	580	500	S	515B	469S	420	466	294	373
27	473	545	399	462	474	592	519	465	465	474	530B	S	B	B	S	515	422	380A
28	449A	544	425	517	B	575	496	502	497C	B	482	536DB	B	517B	C	395	455	363
29	500	B	562	554	531	539	491		557DB	B	414	B	C	530	524	542	474	518B
30	376	510	485	490	505	508	456		552DB	B	492	B	B	544	461	524	466	B
31	380	B		444		562	433		B		499		B	C		463		428
COUNT	29	30	29	31	30	31	31	28	31	28	28	20	27	23	25	30	27	31
MEDIAN	452	510	523	502	510	530	490	473	482	543	494	514	523	520	491	499	450	451

ALMA ATA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	43	47	61		50	54	B	B	45	C	B
02	C	30	49	B		C	52B	B	27B	44A	55	58B
03	S	C	28	B	B	B	53	45	B	45	36	58S
04	59	C	46	B	53B	B	57	56	51B	C	45A	B
05	50B	48	42DB	14	B	53B	C	54	B	38	40A	C
06	56B	44S	C	61B		B	58B	51	C	S	31A	C
07	59B	45	C	B	59	B	47B	58	56S	40	C	38
08	48C	C	40	53	B	B	60S	59	57S	42S	C	44
09	49	S	40	66	66B	B	60	55	46B	49	57S	43
10	B	42S	B	62B	B	50B	B	B	54B	48	36US	39
11	53	52S	40	59B	49	B	61B	C	50S	46	35S	53
12	C	38S	47S	61	59	57	B	49	44	C	40US	44
13	51	S	39S	56	60	B	48B	B	C	41	51	C
14	C	47	43	60B	63	54	B	50B	46	42	42	45
15	50C	S	50	59	60B	B	43B	B	43	40	48	42
16	B	43S	B	64B	B	B	57	56	41	44	34	49
17	BS	46	46DB	48	64B	B	B	51B	53	39S	27S	40
18	41	46DB	B	52	53B	51S	30	B	54	39	46	40S
19	C	47	45	63	57	B	53	56B	43	44A	34C	47
20	B	B	B	53	55	52B	53	B	C	47B	33	C
21	48S	47DB	B	56B	49	50	B	48	39	46	30A	40
22	44	45	S	B	B	43B	B	54	49	45A	27A	43
23	50B	46C	40S	57	47	51	52	52	47	52A	46	46
24	B	46S	41DB	31	56B	54	49	28S	45	40A	29	39B
25	55B	44	B	54	61	49	43S	C	47	42A	45	42
26	BS	45	S	55	52	54	54B	48S	54	40	48	36
27	BS	42	49S	55	53	46SC	53	B	C	22A	44	C
28	S	44	39DB	55	B	B	53	C	34	45US	15	50
29	45		43DB	57	55	S	53	B	40	S	45	50
30	36		B	18	53	C	51	C	37	46S	40S	B
31	44		B		B		58B	B		47		S
C	24	22	27	30	28	27	30	27	26	27	27	25
M	53	45	48	57	60	57	53	56	47	44	40	44

ALMA ATA

PERIOD NOON UNITS 0.1 DB FREQUENCY 3.0

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01							555	602	521	487	C	542	525	585	387	381	144	254
02							541	618	497	518	555	522	526	531B	502	359	C	351
03							530	455	539	556	497	554	498	C	541	516	177C	316A
04							618	437	418	563	520	S	550	556C	507	198	513	478
05							575	566	467	618	474	542	505	C	335	C	167	476
06							556	565	466	398	498	518	539	540B	149	281	194	484
07							528	680	556	520	531	B	470	S	C	464	132	351
08							518	661	555	440	544	508	520	C	443	422	271	440
09							591	599	586	483	493	553	560	507	462	188	208	441
10							670	608	595	674	615S	539	480	C	211	139	417	334
11							627	566	416	552	504	C	545	528	464	482	410	185
12							578	492	490	521	546	567	563	644B	515	384	413	424B
13							477	541C	501	492	621	480C	501	565	505	555	176	166A
14							443	390	449	365	572	467	476	613	543	314	150	453
15							578	520	527	519	518	504	490	547	577	508	148	523
16							582	579	600	486	541	538C	423	588	413	460	169	268
17							604	457	557	492	544	451	447	C	351	145	191	536
18							670	372	527	527	514	438	487	502	486	453	441	344S
19							629	524	620	429	476	470	542	401	436	397	478	324
20							568	586	B	422	605	478	C	332	457	543	435	201
21							667	505C	522	444	502	478	465	383	C	395	410	342
22							535	565	527	422	510	512	461	465	428	334	473	471
23							657	304	653	441	584	660DB	457	449	372	473	C	539B
24							509	322	547	438C	594	455DB	454	C	448	423	447	504
25							607	381	494	516	585B	526	454	467	520	240	422	546
26							596	591	544	616	481	431S	547	438	311	119	205	457
27							476	527	572	497	561	605	574	474	343	295	280	325A
28							593	473	514	506S	600	436	560	477	C	179	214	438
29							563		696	621	641	426	C	450	350	250	463	428
30							198		623DB	680B	686	552	551	415	270	193	194	431
31							401		B		598C		500	C		218		485
COUNT							31	28	31	30	30	28	29	23	27	30	28	31
MEDIAN							575	524	539	500	544	510	501	502	443	380	240	431

ALMA ATA

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	33	53	50	C	49	58	46	56	43	C	42S
02	50	C	50	53	C	C	52	40	51	37A	43	55
03	64	C	48	61	66	64	47	58S	48	31	44	51A
04	50	C	45	61B	B	61B	50	58	46	C	45A	45S
05	54	51	50	23	67	47	C	60	52	29	36A	C
06	56	50	42	47	57	49	C	58	C	44	41A	C
07	61	55	C	51	56	52	51	51	42	47	C	46S
08	52	C	40	50	53	59	46	61	43	41	C	S
09	19	52	52	58	60	58	48	58	49	44	38	35
10	64	56	S	62	57	55	B	59S	48	48	36	39
11	65	57	47	53	63B	60B	58	C	43	45	42	41
12	68	50	49	54	51	50	53	46S	36	C	42	41S
13	53	44	46	49	59	45	56B	61	C	46	47	C
14	40C	39	46S	49	50	51	62B	43	50	40	40	43C
15	60S	44	46	52	57	62	46S	51S	34	23	38	49
16	36	46	B	52	52	62B	57	58	46	47	42	38
17	44	47	51	52	56B	59B	51B	54	53	32B	47	45
18	42	49	41	46	55	42	48	62B	43	21	35	42
19	38	46	48DB	47	62	S	52	53	31	19A	48	39
20	48	76DB	51	46	48	43	50	B	C	40A	35	C
21	54	57	58	55	58	44	50	S	47	48	13A	34
22	59	C	52S	55	61	45	44B	54	49	23A	33A	24
23	60	57	46	51	60	49	50	54	55	38A	40	28
24	61C	54	55	58	65	45	50	S	55	20A	45	36
25	63	45	53DB	52	50	59	51	C	54	43A	35	37
26	43	51	44	60	50	53	60	54	46	18A	52	38
27	63	53	42S	55	54	C	52	B	C	13A	50S	C
28	44	42	44	52	55	B	53	C	38	46	28	24A
29	55		50DB	51	59	64B	53	58	50	42	40	58
30	44		48	28	52	C	45	C	45	34	56S	48
31	34		44		59		49	52		41		36A
C	30	23	29	30	29	26	29	25	26	29	27	25
M	52	50	48	51	57	53	51	58	47	40	40	41

ASHKHABAD

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.2

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						23	C	53	18	33	C	C	33	25	25	0C	S	36S
02	B					40	38	C	36	B	C	C	33	21	B	C	18	3
03						21	B	C	24	17	C	39	40	24	B	C	S	S
04						24	C	46	20	28	54S	C	36	22	28	23	2	27S
05						C	32	43	43	C	52	B	38	28	B	C	C	C
06						C	51	S	C	B	58	34S	30	C	36	26	19	24
07						C	36	C	C	42	B	B	36	C	C	26	C	39
08						34	34	C	C	36	B	C	C	C	30	28	C	37S
09						42	C	43S	C	33	B	B	39	B	37	C	C	27S
10						43	C	33S	C	32	54	B	34	21	30	19	8	C
11						21	C	C	C	B	47	B	B	24	23	34	17	39
12						26	C	42C	C	C	C	B	36	39	B	C	13	B
13						C	C	43C	C	C	B	38	34	22	B	C	C	25
14	58					38	57UC	31C	C	C	74S	46	39	27	45	17	2	23
15						41	59	C	C	C	46S	B	33	27	C	B	C	26
16					C	36	49	8R	C	B	50	B	34	B	C	C	C	33
17					C	B	53UB	46C	C	36	43	C	30	24	C	C	5	46
18					66	C	53	41	C	42	46	34	36	B	C	14	9	24
19	59				60	B	31	51	C	43	52S	B	23	B	C	B	1	27S
20					58	38	40	36S	C	31	45	C	35	B	29	S	7	29
21					55	36	B	35S	C	40	47	C	28	29	B	S	8	5
22						44	58	38S	C	40	B	C	27	25	C	B	C	34
23					S	34	62	45	C	43	49S	C	32	26	23	10	3	B
24					48	43	63	50	C	B	54S	36	32	B	C	23	18	38
25					46	36	C	58	C	C	44	40	36	25	20	25	6	7
26					38	32	C	56S	C	35	51	40	40	B	19	23	8	21
27					54	38	58UC	60S	C	35	49	36	B	S	15	C	28	27S
28	58				45	B	52	58C	65	41	47	28	38	22	20	18	34	31
29					48	19	45		59	B	44	47	B	C	28	20	C	36
30					63	32	51		B	B	43	52	B	25	14	C	43	33
31						30	56		B		28		37	25		C		C
COUNT	4				11	23	20	21	9	24	27	21	30	26	22	18	18	27
MEDIAN	58				54	36	52	43	59	42	50	46	36	25	30	23	9	31

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	38	9C	C	C	29	40	B	S	47	C	2
02	C	33S	C	27S	C	37S	40	C	C	44	14	C
03	24	B	30S	31S	C	29	40	S	37S	25S	C	C
04	35	36S	30S	B	36	B	39S	C	39S	38	C	B
05	B	43	49S	41	B	31	41	C	S	S	12	C
06	26	C	24	50	B	34	44	43	36	C	C	C
07	6C	C	30	46	28	29	B	43	S	27	C	13
08	S	27	32K	48	31S	C	C	S	35	37	C	19
09	11	28	34S	49	B	B	B	C	B	23	14	26
10	30	40	B	B	34F	41	B	53C	34	50S	S	C
11	14	B	32S	45S	B	B	45B	45	20	24	B	26
12	9S	46	50	B	B	45	41B	42	C	C	B	S
13	9	31	56UC	43	B	37	B	25	26	30	22	28
14	4	39	48	51	36	36	B	C	44S	8	22	13C
15		38	50S	45	44B	B	43	B	S	8	C	C
16	16	39	52	44	B	B	B	B	S	12	17	20
17	34	40	22S	45S	B	40US	B	32UC	31	18	15	20
18	21	37	36	48S	37	35	B	S	27US	10	17S	C
19	17	37S	53	42	28	B	B	25	C	15	C	B
20	29	S	59S	48	38	41	38	C	27US	14	C	21C
21	28	C	54S	45	29	B	B	37	C	C	8	13C
22	30	C	49	48S	26	33	43S	33	C	33	21	16
23	21	35S	51	B	32	31S	40	S	27	34	C	C
24	29	49	58	51	B	B	37	38US	C	11	S	17
25	C	32S	45	49	21S	37	33S	38	54UC	24	30	C
26	C	40S	S	46	23	B	39	34	C	C	19	C
27	C	43S	48S	C	22S	33	41	29	24	35	22	28B
28	46	C	46	C	33	31	6		22	52	29S	37S
29	29		50	C	B	B	43	29	C	18	20	B
30	9		60	C	C	S	43	38	21	C	49	B
31	2C		48S		24		B	B		19		B
C	25	22	29	25	27	28	30	20	17	25	18	20
M	24	38	48	48	37	40	43	40	33	24	21	24

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	39	35S	C	C	C	30	C	39S	11	19	C	C	34	23	20	19	C	21
02	B	38S	23S	C	C	35	43	63C	C	8	C	C	33	20	19	C	20	35
03	B	37	32S	32	57	20	46	C	11	10	C	41	40	21	9	39	29	29
04	43	50S	40	36	28	22	31UC	34	11	11	62	C	35	22	17	26	35	38S
05	41	37	38S	36	30S	C	20	30	20	32	63	B	32	30	16	22	19	C
06	43	36	46S	26	29	C	34	43	C	17	61	36S	38	C	18	25	23	35
07	40	37	37S	C	12	C	11	C	C	9	68	37	C	C	C	20	C	40S
08	44	39	C	34	16S	34	30	C	C	8	58	C	36	C	12	26	C	38
09	41	34S	28S	48		34	C	36	C	19	64	B	35	17	13	22	C	35
10	40	40S	37S	C	23	33	C	31	C	C	65	39	31	19	13	22	24	8
11	41	S	36S	36	10	21	C	28	C	C	60	46	40	C	B	28	14	35S
12	40	30S	34S	C	12	19	C	27	C	C	C	B	B	23	B	C	25	26
13	50	30	42S	32	11	C	C	3C	C	C	60	48	41	19	14	C	34	16
14	40	34S	34S	34	11	20	25	2C	C	C	62	31	28	B	21	C	22	22
15	44	31S	34S	35	44S	19	43	C	C	B	58	B	28	22	C	19	C	39S
16	43	32	39	30	C	23	35	14R	C	30	58	26	34	B	C	C	9	40S
17	41	32	45S	29	C	B	45	38	C	22	55	C	31	27	C	C	18	48
18	40	39S	38S	30	66	C	28UC	26	C	28	58	39	24	21	C	C	15	28S
19	42	32	42	C	47	63	22UC	29	C	47	43S	39	28	B	C	B	S	19
20	42	30	39	33	46	20	26	19S	C	30	71	C	25	18	15	24	23	34
21	46	29	47	44	46	23	33	10	C	30	59	C	28	19	B	31	11	15
22	45	28S	50S	47	33	25	32	22S	C	31	B	41	35	18	C	B	12	29
23	47	28S	43	46	S	26	50UC	53S	C	27	65S	C	38	21	S	B	11	47
24	42	21S	35	35	35	28	47UC	28	C	38S	63S	39	30	23	C	28	S	37S
25	41	22S	39S	35	47	23	C	45	C	C	55	43	33	21	18	28	20	20
26	38	C	35S	S	37	23	C	31S	C	48	C	39	35	16	11	26	20	C
27	50	22S	43S	36C	29	31	44	32	C	48	C	38	37	18	11	C	50	25
28		22S	31S	36	43	26	44	28C	36.	28	C	36	32	27	14	17	50	39
29	30	27S	C	47	31	31	39		B	29	C	39	B	C	14	33	C	40
30	35	21S	C	C	42	25	43		32	31	46S	37	B	C	12	C	47	37
31	28	21S				24	37		54		32		37	13		C		C
COUNT	28	30	26	22	24	25	23	27	8	24	23	22	30	22	21	22	22	28
MEDIAN	42	32	38	35	32	25	34	30	32	29	58	39	34	21	15	26	22	35

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	13S	17C	11	C	34	51US	42	B	27	C	16
02	C	C	S	38	C	B	43S	37	B	68	10	29
03	25	48S	41S	37	C	34	45	44	B	29	C	B
04	33	21	20	B	30S	B	S	55	S	27	13	C
05	39	36	36S	42	41	33	43S	52	S	C	14	C
06	30	C	29S	38S	28B	34	53UB	58	37	C	6F	C
07	31	C	38S	40	25	31	B	52	B	39	C	23
08	20	23	28	49B	30S	34	C	54	17	33	C	B
09	20	S	26	41S	34	40	48	C	B	27	15	30
10	23	38S	B	49C	32F	43	B	52	48	31	17	28
11	19	33S	C	39S	31C	B	48	C	36	C	B	26
12	11S	48	45S	B	29	C	45	52	25	C	B	31
13	14	22	51S	40	30	31	B	29	13	35	B	20
14	19	12S	48S	42	35	38	B	35	49S	37US	S	S
15	9	26	41S	39US	27	32	51	S	63	38	25	22
16	C	35S	48	20	32	38	B	46	S	34	C	30C
17	44	C	49	S	32	C	47	44	27	20	18	B
18	21	28	41	41	33	B	47	38US	18	20	22S	29C
19	22	35	40	25	33	S	45	38	33	46	14	B
20	29	10S	43	41	S	41S	41	41	49	25	C	24
21	26	C	46	35	23C	B	42	42	C	27	S	32B
22	31	C	48	B	11	30	50	34	C	34	20	C
23	31	29	48	42	36S	32S	C	42	41	31US	27C	C
24	24	48S	53	46	B	37S	35	37	C	16UP	71C	18
25	C	13	46S	42	36S	B	43S	51	C	34	24	C
26	C	40	54	43	28	37	C	C	24	C	S	24
27	C	51S	50	48US	35	35	46	S	14	44	19	35
28	54	C	51	C	B	34	43	C	18	39	17	34C
29	31		B	C	C	C	42	S	21	31	17	C
30	22		57	37	32	S	42	28	10	B	36	32C
31	20		43S		35		B	45		30		B
C	25	20	29	27	26	25	27	28	23	25	20	22
M	24	31	45	42	32	37	47	41	36	32		22

BAKER LAKE

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	DB	35	DB	DB	40	C	C	C	57	DB	42	48	50	42	55	32	S	29
02	DB	44	DB	35	31	C	C	C	40	DB	48	40	S	46	51	40	S	B
03	DB	38	DB	S	39	C	C	C	B	S	46	40	54	37	B	32	B	S
04	DB	35	DB	C	48	C	C	B	50	DB	S	49	45	43	36	35	B	DB
05	DB	33	S	34	DB	C	C	44	B	S	45	DB	42	35	49	31	48	B
06	B	37	B	30	63	C	C	50	B	S	43	DB	42	33	53	29	50	B
07	39	34	S	32	32	C	C	SB	DB	59	S	54	DB	40	51	20	B	B
08	35	30	27	28	45	C	C	S	DB	53	S	DB	DB	43	B	42	B	B
09	32	47	DB	38	S	C	C	50	SB	49	43	51	DB	40	B	47	B	B
10	32	B	B	43	51	C	C	DB	S	DB	36	47	DB	39	B	38	28	B
11	29	DB	DB	36	C	C	C	DB	DB	DB	C	47	DB	43	48	37	32	28
12	34	47	DB	37	C	C	C	DB	DB	DB	46	50	DB	38	49	40	48	33
13	39	38	DB	46	C	C	C	S	DB	54	S	42	53	23	45	36	S	36F
14	35	30	B	48	C	C	C	DB	DB	B	38	50	58	44	B	37	37	38
15	30	33	B	37	C	C	C	DB	DB	S	38	11	35	39	B	34	B	S
16	B	34	B	28	C	C	C	DB	DB	B	46	50	45	DB	53	32	B	37
17	39	34	B	28	C	C	C	DB	DB	B	38	45	36	DB	53	36	R	S
18	39	33	DB	36	C	C	C	DB	DB	DB	43	48	34	B	42	38	36	18
19	48	29	DB	32	C	C	C	DB	DB	B	46	28	39	59	B	48	38	B
20	B	28	DB	S	C	C	C	DB	DB	59	37	36	B	49	40	38	B	S
21	35	36	DB	DB	C	C	C	DB	DB	B	45	48	B	DB	35	38	28F	B
22	40	42	DB	DB	C	C	C	B	DB	41	32	39	55	DB	DB	38	20F	B
23	36	34	DB	DB	C	C	C	DB	DB	49	26	34	34	DB	DB	46	28	B
24	50	31	DB	S	C	C	C	DB	DB	51	35	39	45	DB	DB	DB	38	B
25	B	35	DB	38	C	C	C	B	DB	38	34	46	37	DB	DB	B	S	B
26	34	29	B	47	C	C	C	57	DB	46	37	39	38	DB	DB	B	S	40
27	34	44	DB	38	C	C	C	B	DB	44	41	S	54	DB	B	B	B	40
28	DB	38	DB	56	C	C	C	B	DB	47	33	55	35	DB	54	38	S	B
29	40	DB	44	36	C	C	C		DB	50	37	54	DB	B	B	47	32	38
30	36	DB	B	52	C	C	C		DB	S	38	50	55	B	45	43	S	S
31	38	DB		27		C	C		DB		48		B	44		S		20
COUNT	31	31	28	27	9			26	30	25	26	29	30	18	30	30	23	26
MEDIAN	39	35	DB	37	45U			B	B	59	40	48	54	41	54	38	48	B

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

BAKER LAKE

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.2

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	1958 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	B	54D	44	30R	21	17	23	18	24	31D	36	41UC	39	C	36	C	21C	A
02	B	46D	46	32	18	23	22	30	28	31	39S	38	C	C	37DB	A	18UA	22
03	B	28	37DF	37UC	19	20	21A	31	43DB	31	34	40S	35	C	33	A	15UA	14
04	B	35D														33UG	15UA	20S
05	B	37S	45													B	15	15
06	B	43	45D													C	17S	23
07	39	37F	33													36C	15UA	20
08	35	44DB	33F													33DC	18	25
09	32	40UF	36US													24UC	14	27
10	32	39U	40S													29UC	16A	16UA
11	29	39F	37													19UC	15	29
12	34	34	29US													C	17	36
13	39	29UC	35S													C	17	16A
14	35	33	36F													C	18	22S
15	30	40	38													C	20	21
16	B	F	37US													23C	16	35
17	39	39US	39													21UC	17	17F
18	39	41	45D													21C	27	20
19	48	25S	27													20A	18A	16F
20	B	S	38S													C	17A	27A
21	35	S	38S													34A	16	1 A
22	40	40UC	28S													16	17S	S
23	36	39US	36S													B	19	17
24	50	32	40													17	18	16A
25	B	34	37													21A	C	15US
26	34	31S	39S													20A	C	A
27	34	39S	26UF	F	25	15UC	18	29A	42DB	C	35	44	43	40UB	31	27	C	16
28	B	43S	34DB	F	19F	18	24	24A	R	C	35	43S	C	B	30R	26	20S	14UC
29	40	37F	37	F	20	17A	25		R	C	35	37	C	43DB	32S	34	15	16A
30	36	49D	31S	20UR	21	18A	30		R	C	32	36	C	33B	S	17	30	18
31	38	43DS	29F	R		R	C		R		36F		C	35		23UA		15
COUNT	31	29	30	20	30	28	31	27	21	18	30	28	26	21	24	21	26	28
MEDIAN	39	37	37	R	19	21	24	24	28	30	35	41	40	37	30	23	17	19

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

BANGUI

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.1

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	1958 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01								33	35	44		40	42	C	46	47	B	50
02								40	37C			42	47	C	46	52B		44
03								32	44	34		46	48	C	46C	44B	48	52
04								35	35	43			45	C	48	18	40	48
05								34	57B	48		46	44A	37	C	47	C	46
06								40	36	50			46A	C		B	43C	50C
07								40	34	50			40	44	46	C	43C	40
08								40	38	40			30	48	42	48	50S	45
09								36	41	46				44	49	46B	34	48C
10								30	36B	45		34S	40	C	52	50	28	45
11								38	44	48		44	34A	36	49	41B	B	32
12								30	49	47	37	42	28		48	49	B	38C
13								32	C	45	42		35	50B	B	B		43
14								36	C	46		44	27	B	50B	47C		36
15								38	C	40		42	32	B	43B	49C		32C
16								37	C	45		40		49	B	50B		47
17								36	43C	45				47	43B	44A		40
18								32	38				27	50B	B	46	B	43
19									46			44	36	46	40B	C		42
20								34			35	42	31	46	41B	48		43B
21								34		44	29		39	39B	48B			B
22								42	44	44	44		26	48B	46	C	42	C
23								30	50C	48	42	34	23	28B	40	49	43	51B
24								34	48C	52	42		46	B	46B	44B	48	44
25								32F		56	38	38	40	C	43	46	46	34B
26									38	51	40		33	49	43	42	46B	41
27								37	49C	53	41	41		50B	48	52	43	C
28								32C	42C		41	37	41	B	44	48B	45	48
29									C	50	46	30	48	49	44	S	38	44
30									C		42	34	34	43C	42	45	47	B
31									53C		36			50		48		44S
COUNT								26	22	24	14	18	26	23	28	26	20	29
MEDIAN								34	42	46	41	42	38	48	46	48	46	44

BANGUI

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.1 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		46	40	39A	29	34	33	35C	44	47		
02	43	47	35	39S	30C	31C	32	C	C			B
03		39	29	42	C	27B	C	33B	46	44	46	C
04		46	31	38A	37C	35	49C	31	38	41	24	44
05	C	48	B	42	42	29	47	31	42	39B	42S	31B
06	41C	45	36	42	30B	C	36	42A		42	42	
07	48	42	30	B	38	C	38	36	47	35	39	36
08	48	47	33	44B	35B	26C	36	28C	47C	35		42
09	46	52	28	45	38C	24	27	C	B	36	36	44
10	52C	43	35B	43S	38B	41C	40B	33A	C	41	42	32
11	52N		36	42C	B	C	39		43	42		36
12	46	44A	32	40	38	C			36	28	34	42
13	44		37	34	44	C	46			38A	37	
14	46		35		38C	C		39	42	39	39	34
15	46	38	30		38C	48		C	37	39	44	32
16	42	50	35		36C			C	44	37A	40	28
17	44			35	C		44	36C	46	40	38	
18	43			37	C		48C	51C	46	40	37	33
19	42C			35	35	46C	C	51	C	42	30	32
20	C	40	46	40	32	34	C	40		37	36	
21	47A	40	34	31	20C	39C	32	38	39C	38	43	36
22	47A	45	42B	32	32	34A	24	36	44	38	34	25
23	48C	44	39	24	37C	34A	38		49B	36	37	35
24	52B	30	39	34	C	32	34	50	C	40	38	38
25	50B	34	40C	40	36	32	40	40	50	38	43	
26	C	34	38B	29	21	28C	32	30	49B	43	36	
27	51B	40	44S	34A	29A	36C	36	42	43B	32	40	
28	46	32	38	32A	34		35	43	46	38	40	38
29	44		40	33A	41C	22	36	44	50	46		38
30	42		44	30A	36	42	41			46	49	38
31	44		42		C		31	52		44		32
C	25	22	28	27	26	20	24	22	22	30	25	22
M	46	44	36	38	36	34	36	38	45	39	39	36

BANGUI

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.4

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	1958 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01								34	40		41UA	52	C	C	62	58	C	B
02								45	34		34A	44	53	C	B	C	C	C
03								33	B		27	59F	50	C	C	C	B	B
04								24	36		20	59H	46	C	64	C	63N	C
05								34	39	B		49	47	58F	B	C	B	63
06								44	41	61	24F	B	46	C	63	65	57	63
07								42	52	B	25	B	58	57	S	64	61	B
08								41	B		37R	56	40	C	C	65	B	60
09								37	B	B	28R	B	49	60	C	64	60	
10								31	45	62	C	55	52	C	B	64	59	56
11								39	B	57	22	55	61		B	60	58	54
12								39	48	57	31	56	55	60E	B	S	59	B
13								40	C	56	18	46	49	54	B	63	57	60
14								40	C	59	C	58	59	66	B	64	58	58
15								39	C	61	24A	54	56	55US	B	C	54	62S
16								42	C		26A	C	48	C	B	C	C	56
17								47	56	58	24	46F	61	54US	B	C	60	B
18								35	40	37	18A	52	45	B	B	C	60	56
19									53	55	29A	B	53	C	59	C	55A	61
20								34		54U	26A	49	53	59	C	C	56	B
21								36		59	24A	46A	48	63	B		54A	62
22								35	B	S	31UA	52	51	63US	C	C	54A	B
23								42	B	54	C	57A	41	B	B	C	C	B
24								40	58	B	23	50A	60	B	C	B	65	B
25								38		57UA	25UA	51	55		B	54	65	59
26									B	B	24A	48	54	64US	S	C	B	63
27								B	58	59	30UA	44F	55	B	C	C	64UC	C
28								51	B	C	25A	44	B	B	S	B	61	61
29									C	B	26R	45	61N	C	64	C	B	B
30									B	B	28	47F	C	61	64	58	B	B
31									61		26		C	C		C		60U
COUNT								26	23	22	27	29	28	18	20	13	26	27
MEDIAN								39	58	59	26A	52	53	63	B	64	61	63

BANGUI

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.4 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	B	62	56	B	60	52	56	40	B	46		
02	65	58	59	58	55	B	51	C				B
03	B	60	52	B	C	B	C	59	51	41	45	
04	C	55F	58	B	C	49	50	59		45	37	B
05	C	54	55	62	B	C		60	56	47	C	42
06	62	50	56	B	58	C		61		48	46	
07	63N	56	56	B	61	C	40	58		46	46	
08	60	50	55	B	B	37F		C		50		30
09	55	C	62	B	58	52	51	C		42	42	49
10	63	C	B	B	B	52		60	57	48	41	42
11	59	64	60	B	B	C		61	49	45		41
12	63	55	B	B	59	C		55		26	41	44
13	61	C	C	B	55	51	B	50		45	44	
14	47	C	62	59	C	C			68	45	48	48
15	59	64	60	60	58	52	61	C	59	43		45
16	60	62A	60	B	C	50	54	C	61	48	45	47
17	60	66	62	61B	C	32	56	C	B	48	48	32
18	60	63	59	B	C	C	C	C			44	
19	B	56	B	57	58	C	C		53	52	48	
20	63US	55A	C	B	56	48	C	58		46		
21	60	60A	B	60	48	C	60	55	52	46	B	44
22	61	62F	C	60	35	C	56	54	48	45		48
23	61	62	C	B	C	48	51		43	46	44	
24	58	62	B	B	C	54	58	54	51	50	45A	36
25	B	58	C	58	47	48		56	56	B	48	
26	B	66	C	58	52	50		61	56	46	49	
27	B	62	B	C	C	46	63		52		44	
28	B	66	64S	46	54			60	52	44		
29	55		63	50	C	46	47		42	41		41
30	60		B	58	C		53		50	47	48	
31	64		63		C					44A		
C	29	24	25	29	19	18	16	17	20	28	20	16
M	61	61	62	B	58	50	55	58	52	46	45	44

BRISBANE

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.28 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	23	42				62								38	53	50D	38D	
02						64									60D	50D	38D	
03	39D							57							54	50D	38D	
04							75								51	50D	38D	
05																50D		
06																50D	38D	55D
07														52		50D	38D	55D
08		52												46		50D		55D
09		52D												46	55D	50D	38D	55D
10	16D													44		50D	38D	
11	46D	44											29	40	67D	50D		
12													32	54		50D		55D
13		30						36D					30	43	52	50D	38D	55D
14		55D						70D					47	46			38D	55D
15		53				38		66D					35	36	55		38D	
16		48						43	53				41	44			38D	55D
17		55D						15	23				32	38			38D	55D
18	13	43												42			38D	
19		56		74D		68D								36				55D
20	10	56D		74D									65D	40				
21	40D	59D		74D	68D				72D							50D	38D	
22	40D	48		74D			80D											
23		58D		64D	68D				34								38D	
24	46D	60D		65D	68D				72D				48D		50			
25		56			68D								42	44	64D			
26													45		62D	50D	38D	
27	49D				68D								44			50D		
28	49D				54		26							52D		50D	38D	
29														58D	55		38D	
30					66D								30		64D			
31													48D	59D				
COUNT	11	17		6	7	4	3	6	5				14	19	13	17	19	10
MEDIAN	43D	53D		74D	68D	63	53D	56D	53				42	44	55D	50D	38D	55D

BRISBANE

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.84 MHZ

	1957												1958					
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	31		47											24	24D	36D	18	
02			34											24	24	36D	13	
03	39D		50											16	20	32D	20D	
04			52											15	22	27	18	
05			62D											16		31		
06		54D												18	18	29	16	18
07																26	14	12
08	16	54D												8		21		17
09	14	54D												11		23	16	12
10	15D												18	12		23	14	
11	32D	42											23	13		20		
12	16D												12	18		25		18
13	24D	22	74D										18	16		13	26	32
14		35	86D										16	16			16	10
15		44D	58										14	15			21	
16		47D	41										20	14			19	18
17	15	36												16	24		12	16
18	18	38	65											12	21		26	
19	22	32	52	80D									9	4				12
20	14	48D	64	80D					9				7	8	20			
21	24	51D	34	80D	8								7	5	22	11	18	
22	20	76D	31	18									6	7	12			
23	36			47	18				40				9	6			21	
24	50D	59		79D	74D				65D				6	6	29D			
25	41	31	56	62D	80D								7	6	29D			
26	37	85D											10		29D	28D	22	
27	65D				69D								32	32	28D	24D		
28	65D													44D	28D	19	21	
29		76											11	39D	28D		26D	
30		29			77D								8	39	28D			
31			10	42D														
COUNT	20	19	15	7	6				3				19	29	17	17	19	10
MEDIAN	30D	46D	52	80D	74D				40				10	15	24	25D	18	17

BRISBANE

PERIOD NOON UNITS 0.1 DB FREQUENCY 5.8 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	31					36	38	36D						7	22		17	
02	27		44D			18	25	36D						8	21		14	
03	20	35				25	26	36D						10	25	29D	17	
04	28	40				19	23	36D						8	19	32	17	
05		35				24		36D						10			16	
06		36					40	36D							20			20
07		35					25	36D						16	22	31D		17
08		39					24	36D						33	28D	26D	20	22
09		44D					32	34D						7	27D	26D	14	20
10	36D	46D	33				28						23	20	25D	39D	25	
11		36						6					20	10	21	31D		
12		48D						28					33	12	27D	24		16
13		18				30		18					23	12	23			14
14		24				24		35D					22	8	21			10
15			48D			23	9						21	13		13	14	13
16			26			26	36D	40D					24	12		16D	14	11
17	36D	34				49D		8						12	26	15D		14
18	36D	34					36D	32D						11	22		19	10
19		33		46D		49D	14						7	11	24	14D		
20	40D	44D		52D		40		20					6	16	21	14		
21	42D			52D	22	42							4	11	22	5	18	
22	46D	46		27	50D	32							7	11	15			
23	40D			44D	14			36					12	4	22			
24	43D	47D		46D	54D	36							10	4				
25	43D	49D	31	42D	38	39							38	5				
26					44	32							13				21	
27					42	38							38	30			35D	
28	56D				38	30										18	27D	
29					39	33							15	35				
30					36	44	36						40	35				
31													12	33				
COUNT	14	19	5	7	10	26	14	18					19	28	20	15	15	11
MEDIAN	40D	36	33	49D	39	36	27	35D					20	12	22	26D	18	14

CHURCHILL

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	1958 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	DB	46	DB	50	52	DB	DB	DB	47	DB	41	26	51	32	DB	27	31	54
02	DB	40	DB	34	42	B	56	DB	49	DB	37S	S	48	45S	45	40	36	DB
03	DB	C	DB	B	50	B	55	DB	57	DB	50	31	43	46	B	45	DB	56
04	DB	51	DB	C	58	DB	32	DB	B	54	41	39	36	38	42	35	DB	C
05	DB	52	B	B	DB	56	RB	DB	45	DB	34	DB	46	40	S	19	49	B
06	DB	61	59	37	48	41	46	DB	DB	DB	32	B	38	37	42	19	DB	56
07	39	C	43	31	DB	56	51	DB	DB	50	54	47	DB	42	DB	DB	DB	46
08	27	45	42	31	47	DB	50	DB	DB	33	C	B	DB	33	DB	C	DB	DB
09	38	60	B	35	DB	DB	50	DB	S	48	49	B	DB	37	42	2	40	50
10	33	DB	60	58	DB	52	28	DB	59	DB	B	47	DB	40	DB	30	40	DB
11	25	57	52	52	B	48	22	DB	DB	DB	44	39	DB	43	DB	24	40	C
12	18	52	DB	DB	DB	DB	DB	DB	DB	50	53	DB	46	34	C	31	DB	52
13	B	DB	DB	DB	DB	DB	DB	DB	DB	42	C	C	DB	34	DB	16	DB	41
14	31	40	59	44	DB	54	DB	DB	DB	B	DB	39	DB	36S	S	28	31	DB
15	26	43	43	43	B	DB	53	DB	DB	51	41	C	41	S	S	29	52	42
16	DB	31	38	32	DB	DB	49	DB	DB	54	38	36	42	B	33	29	54	43
17	38	48	DB	37	DB	DB	DB	DB	DB	DB	47	44	38	B	30	41	50	44
18	35	37	DB	34	43	DB	DB	DB	DB	DB	49	28	S	S	S	DB	B	49
19	DB	40	DB	47	DB	DB	DB	DB	DB	51	50	27	37	B	35	DB	55	DB
20	DB	40	58	DB	DB	DB	DB	DB	DB	55	50	43	DB	44	22	32	53	DB
21	38	56	DB	DB	DB	B	DB	DB	DB	DB	S	44	42	B	24	36	DB	DB
22	40	C	DB	DB	DB	54	DB	60	DB	50	26	51	21	B	DB	B	37	DB
23	27	59	DB	DB	B	DB	DB	DB	DB	B	31	34	30	B	DB	31	33	52
24	DB	59	DB	51	34	52	DB	DB	DB	34	30	43	39	B	DB	DB	49R	DB
25	DB	60	DB	B	DB	53	DB	DB	DB	24	31	36	42S	B	DB	45	DB	DB
26	50	DB	B	DB	DB	DB	DB	51	DB	34	47	42	38	B	41	43	B	DB
27	24	DB	DB	DB	DB	41	DB	B	DB	53	30	34	40	B	DB	B	36	DB
28	DB	B	DB	41	DB	B	50	59	DB	45	39	49	32	B	DB	33	45	DB
29	40	DB	DB	44	DB	DB	DB		DB	DB	39	42	DB	B	38	DB	41	DB
30	35	DB	DB	DB	DB	52	46		DB	DB	34	43	DB	B	28	DB	43	B
31	30	DB		B		41	57		DB		42		DB	B		39		56
COUNT	31	28	30	30	30	31	31	28	30	30	28	27	30	29	25	30	30	29
MEDIAN	40	56	DB	52	DB	B	DB	DB	DB	55	41	43	44	46	B	36	51	B

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

CHURCHILL

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	37	DB	DB	DB	47	48	DB	42	C	21	DB	DB
02	25	DB	DB	DB	28	43	43	40	C	C	DB	DB
03	36	DB	DB	S	30	DB	39	B	C	B	DB	DB
04	DB	DB	DB	DB	28	49	35	DB	C	DB	DB	DB
05	33	DB	DB	26	51	48	47	S	C	DB	DB	DB
06	31	DB	DB	62	42	48	43	53	C	DB	DB	DB
07	DB	DB	C	33	30	63	25	49	C	DB	DB	DB
08	45	DB	DB	52	40	48	30	53	C	DB	DB	DB
09	B	DB	55	44	43	DB	B	43	C	DB	DB	DB
10	CB	DB	45	DB	42	DB	DB	40	C	DB	DB	B
11	39	DB	35	DB	DB	B	DB	47	C	40	DB	B
12	DB	B	DB	41	C	61	DB	40	C	44	38	DB
13	DB	DB	DB	42	C	56	DB	33	C	46	DB	DB
14	DB	DB	DB	31	C	DB	DB	30	C	B	DB	DB
15	DB	DB	45	42	C	53	DB	44	C	DB	DB	DB
16	DB	DB	46	31	C	56	DB	42	C	37	DB	DB
17	DB	DB	33	DB	C	15	DB	DB	C	27	B	DB
18	DB	DB	22	39	C	34	DB	B	C	DB	DB	DB
19	DB	DB	18	18	DB	53	DB	DB	C	DB	DB	DB
20	B	DB	18	32	61	39	DB	33	C	DB	B	DB
21	DB	DB	31	45	DB	42	DB	36	C	DB	55	DB
22	DB	DB	29	37	DB	60	DB	DB	C	DB	38	DB
23	26	DB	DB	39	DB	40	B	DB	C	B	B	DB
24	24	DB	44	34	43	39	51	50	C	28	38	DB
25	23	49	51	DB	DB	40	37	DB	C	38	DB	DB
26	DB	DB	32	DB	46	48	DB	47	C	DB	DB	DB
27	47	45	36	B	DB	61	37	44	C	DB	DB	DB
28	CB	DB	36	45	44	42	34	C	C	DB	DB	B
29	DB		DB	37	42	18	32	38	C	DB	DB	DB
30	DB		DB	38	39	40	24	41	C	22	DB	DB
31	DB		DB		50		36	DB	C	DB		DB
C	31	28	30	29	24	30	31	29		30	30	31
M	DB	DB	50	42	45	48	B	47		DB	DB	DB

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.55 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	46	49	68D	56	50	56	63UB	50	66UB	C	64UB	C	48	49	52	55	57U	63UB
02	52	47	59	57	58UB	49	65UC	65	55	68D	57	C	C	53	57	59U	61UB	56
03	49	45	57U	59UB	56UB	51	55	51	54	64UB	60	C	52	52	58U	53	57	49U
04	44	46	65UB	62UB	57UB	52	44	52	52	59U	58	48	49	56	56	56	52	62D
05	49	42	58U	55	54	67D	52	56	50	63	63	53	46S	55	56S	57	56	54
06	44	53	63UB	56	51	51	50	56	56	61	60	59	C	52	C	55	51	42
07	42	47	65UB	59UB	53	48	48	53	51	63	54	56U	56U	56U	58U	54	51	61UB
08	50	50	59	56UB	50	46	53	60U	68D	56	60	53	51	57	51	49	45	52
09	46	51U	58U	58UB	52	48	50	54U	63	62	62	C	54	57U	55	53	46	52
10	46	52S	53	57	55U	52	47	59	70D	61	55	54	48	51	58S	57	C	52
11	40	45	68D	64D	49U	52	50	51	62UB	61	59	C	55	52	57U	52	59	50U
12	44	53S	68D	64D	60UB	55	49	51	60	55	51	57U	48	52U	56U	56U	50S	64D
13	62U	47	68D	64D	57	52	53	58	53	55	C	49U	47	51	59	54U	50	52
14	48	47	68D	64D	50	57	52	55	57	54	48	46	50	54	62U	57	50	55
15	40	46	62UB	64D	64D	47	60U	53	58	55U	49	51	55S	53	65D	55	C	47U
16	61U	51	59	64D	51	44	52	55	55	55	52	48	44	67D	58U	57U	C	52
17	C	60	68D	64D	52	61U	59	59	55	C	51	45	45	55	C	63UB	49	50
18	47	55	58U	64D	64D	61U	63U	63	53	58	50	45	44	54	57	58UB	45	48
19	52	59US	68D	64D	49	51	51	61	72D	54	48	53	45	52	58	64D	47	54
20	45	51	62UB	64D	64D	55	47	57	70D	56	50	49	C	51	56	60UB	46	50
21	68D	51	68D	64D	52	66D	S	C	61	58	49	46	58	52	51	59UB	47	47U
22	55U	48	68D	55	53	49	52	C	59U	59	51	52	46	60UB	57	61UB	C	67D
23	57	55	65UB	64D	49	56U	43	49	59	55	49	43	47	57	49	60UB	48	66D
24	51	C	64UB	64D	52	54	50	50	68D	59	50	48	44	57	54	58	56US	49
25	49	C	59	56	52	68D	47	55	63U	C	52	47	47	C	52	50	44	46
26	47	55	55	64D	58	61	51	58U	63U	61	52	61	55U	66D	55	52	49	52
27	61U	54	63UB	64D	54	54	53	57	61	60	C	45	56U	66D	53	54	63D	44
28	47	54	65UB	63UB	C	50U	45	52	68UB	61U	C	43	57	65UB	59U	56	54	43
29	48	68D	53	59UB	53	54	48		65UB	56	C	51	66D	66D	55	63D	52	46
30	48	52U	68D	64D	56	55	44		66UB	63UB	C	47	57	57	54	50	61UB	44
31	47	68D		62UB		53	45		68D		C		52	55		53		46
COUNT	30	29	30	31	29	31	29	26	31	27	25	25	28	30	28	31	26	31
MEDIAN	48	51	64UB	64D	53	53	51	55	61	59	52	49	50	55	57	56	51	51

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.55 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	56UB	55	C	59	53	C	40	47	60	44	42	54
02	49	53U	C	59	49	C	46	46	58	52	52	56U
03	55	46	52	53	54	C	42	C	69D	44	46	54U
04	60UB	50	56	61UB	55	45	37	53	50	42	45	45
05	65D	52	67D	55	65D	54	S	54	58	43	48	46U
06	48	46	51	55	60UB	49	45	51U	53	47	60D	S
07	C	50	49	66D	53	44	42	54	48	46	47	52
08	C	49	54	56	63UB	47	45	48U	51	45	46	44
09	51	60UB	52	60D	C	65D	43	49	55U	45	49U	58
10	60U	50	66D	66D	57	57	72D	52	54	49	44	45
11	53	65D	56	58U	64D	69D	45	54	51	45	44	40
12	55	61	54	56	62UB	49	58U	41	47	43	45	42
13	52	64D	53	53	66D	44	72D	47	46	43	42	40
14	45	52	55	53	57	51U	71D	51	50	44	53	39
15	51U	50	58	50	56	65	57	71D	46	45	53U	38
16	43	57	66D	48	60	70D	72D	49	47	46	43	39
17	45	54D	55U	47	66D	44	59U	50	50	44	43	37
18	51	60	66D	55	56	44	52	52U	48	49	45	43U
19	48	53	65U	52	60	47	48	52	48	48	48	40
20	52U	42	66D	48	54	49	46	51U	49	47	C	40
21	57	51	65D	53	57	C	48U	49	48	47	C	41
22	52	56	61UB	49	52	41	45	56	52	49	43	42
23	54	48	59U	53	52	44	43	55US	49	49	49	40
24	57	54	62UB	54	48	49	52	51	51	46	44	40
25	63U	49	65D	53	52	50	39	71D	49	46	43	C
26	66D	47	62UB	52	C	43	C	53	47	45	42	41
27	56	57	55	56	55	46	C	50	48	42	47	49
28	55	52	58	59	51	C	51U	60U	50	50	52	43
29	59		59	51	50	51	44	55	45U	43	48	46
30	53		58U	52	47	45	42	71D	C	40	47	43
31	50		57		45		48	61		45		42
C	29	28	29	30	29	25	28	30	29	31	28	29
M	54	52	58	54	55	48	46	52	50	45	46	42

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.85 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	36	39	58	47	39	46	55	42	58	C	54	C	C	45	49	52	50U	58
02	43U	40	48	48	47	40	C	60	47	60	56	C	C	48	54	53	51	49
03	49	38	56	47	47	42	48	42	46	56	52	C	48	46	55	47	55	44U
04	C	39	55	55U	46	44	37	45	45	55	52	43	42	51	54	50	44	57
05	34	36	52	49	44	74D	44	49	46	55	55	C	42S	49	50S	48	48	50
06	39	48	56	50	44	43	42	49	49	53	51	C	C	47	C	49	45	41
07	36	38	52	49	51U	41	41	46	45	55	47	C	50	61U	51	49	44	56
08	40	43	52	49	41	41	44	51	62	48	58	C	44	50	46	43	42	45
09	38	46	50	47U	43	40	42	49U	60	54	55	C	46	53	50	48	41	48
10	38	52U	45	49	47	44	41	46	69UB	52	48	C	41	48	51	49	C	47
11	37	37	69UB	52	42	44	43	43	54	56	52	C	46	46	54	47	53	51
12	36	42	67UB	53	51	45	41	46	52	48	45	56	43	56	51U	51	44	74D
13	62	40	71D	64UB	C	43	45	47	47	48	C	48	43	48	53	51	45	46
14	39	40	58U	62UB	42	46	48	48	49	46	43	43	46	47	55	49	44	48
15	36	40	52	64UB	54U	41	54	47	52	54	43	46	48	46	65	48	C	42
16	48	43	46	58	43	38	43	48	47	47	44	44	40	74D	53	51	C	46
17	C	48	57U	53	42	58	49	51	48	C	44	42	41	49	C	57	44	43
18	43	46	51U	61UB	67D	49U	58	55	46	48	43	37	39	49	51	53	40	43
19	46	48	59U	67D	45	45	42U	53	70UB	48	41	47	41	47	53	73D	44	45
20	34	44	54	55	62UB	48	39	60UB	74D	49	44	45	52U	46	49	53	40	45
21	71D	43	59U	57	44	56	50	C	52	51	42	43	52	47	48	65S	42	41
22	47	42	67UB	51	44	45	46	C	59	50	43	46	41	56	52	58U	C	67U
23	51	44	61S	67D	44	49	38	42	52	47	42	39U	41	52	44	60	42	72D
24	44	C	55	67D	44	47	42	43	63	50	42	43	40	52	48	51	49	43
25	45	C	49	47	43	58U	39	47	56	C	44	44	43	C	49	45	49	40
26	38	47	47	51	51	53	46	51	56	52	44	52	48	59US	51	45	44	45
27	48	45	59U	67D	48	46	43	47	52	52	C	42	55U	55U	47	49	55	39
28	36	44	57	55	C	63US	40	45	59	54	C	39	53	58	54	49	48	37
29	39	56	49	51	46U	46	41		61	49	C	43	57	62	48	52U	45	40
30	41	48	66UB	56	46	49	44		59	53	C	41	52	52	49	43	55	38
31	42	71D		50		45	39		74D		C		48	49		52		35
COUNT	29	29	30	31	28	31	30	26	31	27	25	20	28	30	28	31	26	31
MEDIAN	40	43	55	53	45	45	43	47	53	51	45	43	44	49	51	50	45	45

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.85 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	53	47	C	55	47	C	37	43	54	42	37	54
02	43	50	C	51	43	C	41	41	51	49	48	53U
03	52	41	44	47	49	C	42	C	58U	40	42	51U
04	53	49	52	63	48	40	34	50	46	39	41	42
05	66U	48	49U	49	67D	46	51	49	54	40	43	41
06	43	41	44	48	55	43	41	47U	49	50	57	46
07	C	43	41	72UB	48	41	38	53	44	42	43	46
08	C	44	47	51	59	40	43	47U	48	40	43	37
09	45	52	45	55	C	60	40	45	51D	41	48U	50
10	53	45	73D	64	51	53	72D	48	49	45	41	41
11	46	67UB	53	51	72UB	68D	40	50	47	41	40	35
12	46	57	51	49	57UB	49	49U	38	43	39	42U	38
13	42	56U	47	45	73D	41	71D	44	43	38	38	36
14	39	44	49	44	51	48	68D	47	46	41	46U	36
15	47	40	51	44	50	57	49U	57U	43	41	43U	35
16	38	57	73D	42	52	68D	70D	45	44	42	38	36
17	41	47U	70D	42	64	40	54	46U	44	40	38	33
18	45	52	60U	48	48	39	51	50	44	45	42	36U
19	44	48	65	45	54	44	43	48	45	44	43	36
20	49	38	59	43	47	43	42	46	46	43	C	36
21	49	47	63	47	50	C	56	49	47	42	C	37
22	44	51	54	44	46	37	41	50	46	46	39	37
23	53	42	55	46	45	40	39	49	44	45	42	36
24	50	47	64	49	43	44	47	49	48	42	40	37
25	63	43	59U	47	46	42	34	52U	45	42	39	C
26	73D	47	54U	46	C	40	C	46	43	41	37	38
27	48	54	51	51	47	43	C	48	44	38	40	46
28	54	45	53	51	47	C	47	51U	49	46	47	39
29	50		49	46	44	46	40U	48	43	39	43	41
30	46		53	46	42	40	37	58U	C	37	42	40
31	43		51		40		44	56		42		39
C	29	28	29	30	29	25	29	30	29	31	28	30
M	47	47	52	48	48	43	42	48	46	41	42	38

DE BILT

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.3

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	56			45	27			18	37				43	51	44	42	36	34
02		50	61	48	27	37	55			47		49	54	51		43		32
03		48	54	48		42	40	49		50	43	49	51		52	46	24	35
04	51			40	30	42	46	21	42			47	46	50	56	44	29	51
05	51	47	46	33	32	39		32	43	49		45	50	55	53		27	30
06		48			34	49	38	37	52		42	58		55	50	44	25	50
07		46	57	40	30		39	37			45		46	57		43	33	
08	45	53		40	33		38	47	40				51	58	52	48	31	43
09	50	47	53	37	35		37			49	54		46	53	61	46		53
10		51	49	41			42	36	37	45	54	52	50		55	46	23	48
11	50		52	44	37	40	42	27	36	53			56	58		44	24	
12	56	45	54	51	34	33		44	35		54	44	51	60	50		22	
13	47	47	57		37	30	41	42	44		43	45		53	54	43	28	44
14		30	51	35	C	30	32	36	40	47	44	43	53	46		40	35	
15	48	42		38	31		37	36	48	45			48	53	58	55	33	41
16	51	47	57	45	32	33	39				48	51	45	56	55	42		
17	46	50	47	50		36	44		43		41		46		57	43	29	44
18	45			48	37	40	36	36	38	43				64	48	37	35	39
19	51	38	C		39		42	29	45	52		64	49	54	46		33	41
20	47	44	53		28		32	31			42	51		59	41	42	27	
21		44		47	31		48	26	56	50	43	51	45	52		39	27	
22	53	46		37	30			35	55	43	47		46	52	38	37	36	44
23	46	41	37	44	24					47	43	47	53	55	44	41		33
24	43	47	49	46		44		45	51	46	44		51		44	44	32	29
25	49		39	45	21			37	44	46		37	51	59	50	44	28	
26	46	44		37	24			41	43	55		43	49	58	43		38	
27	47	40	54		42		32	36	45		42	47	53	52	49	38	37	
28			49	37	35	45	44	43		51	40	44				38	33	
29		57		C	32				43	53	43			61	46	39	26	25
30		43	50	34	31	33	48				44	52		61	36	37		25
31		51		31		48	33		47		39		53			35		26
COUNT	20	25	19	25	25	16	22	23	22	18	20	19	25	25	24	27	25	20
MEDIAN	49	47	51	41	32	40	40	36	43	48	43	47	50	55	50	43	29	39

DE BILT

PERIOD NOON UNITS 0.1 DB FREQUENCY SEE NOTE*

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				670	620	640	590	680	740	490		510
02	540	600	580	610	680	600	640		680	570	370	500
03	500	530	580	560		600	580	640	660	460	360	580
04		660U	500	610	600	660	600	760	650		420	610
05	480	650	520		C	570		670	680	440	480	610
06	460	500	500	580	670	610	600	580		500	530	
07	540	540	530	660			660	690	650	540	570U	610
08	650			700	700	590	680	670	510	560		540
09	600	440	540	620	680	700	620		640	540	650	540
10	640	480	520	700		680	720	640	520	560	600	500
11		440	510	620	750	780	740	660	560		600	550
12	680	320	540		720	630		640	500	500	700	590U
13	580	380	520	560	720	520	760	740		420	660	
14	570	490	480	560	660		770	640	510	480	610	580
15	620			510	640	540U	690	600	530	460		600U
16	680	570	450	615	660	600	800D		480	440	460	580
17	660	620U	460	570		620	710	600	500	380	480	470
18		680	460	580		600U	760	B	520		380	660
19	670	540	600		760	640		780	540	390	330	530
20	680	400	570	560	660	690	740	800		460	320	
21	700	450	660	580	720		800D	640	470	450	380	540
22	620			550	750	730	680	760	440	510		420
23	690	560	620	570	690	750	720		520	370	400	380
24	800D	510	800D	600		650	650	650	480	390	540	330
25		480	560	560	720	660	760	670	520		440	
26	800D	500	580		680	600		710	440	460	490	
27	660	600		540	630	600	700	710		400	460	
28	620	540	610	560	660		620	650	560	380	340	470
29	520			520	680	540	680	670	620	440		560
30	580				600	630	610		620	460	540	580
31	640		570				760	700		440		560
C	26	24	24	25	23	26	27	25	26	27	25	25
M	630	520	540	580	680	625	690	670	525	460	480	550

*FREQUENCY 2.0 MHZ AND 5.0 MHZ

DELHI

PERIOD NCON UNITS 0.1 DB FREQUENCY 5.0

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
			1957							1958								
01			S	S	249	C	C			C	S	S	241	S	216			
02			S	S	224	138	163			C	S	S	194	S	337			
03			278	S	C	S	220			B	S	341	321A	S	356A			
04			S	S	C	184	138			B	S	360A	306	338A	296			
05			S	203	199	S	C			317	346	359	186	224	291			
06			348	C	S	178	158			C	336	C	B	327A	341			
07			288	C	S	203	140			342	C	321	S	323A	221			
08			S	243	238	C	135			332	356	S	371A	266	316			
09			S	S	224	C	165			327	S	389	251	S	216			
10			S	S	C	198	C			C	296	C	356A	261A	337			
11			313	S	229	188	150			342	S	321	S	306A	333			
12			S	S	233	225	C			297	C	236	S	286	S			
13			S	S	204	210	175			B	C	S	S	224	236A			
14			313	188	191	170	S			B	288	338A	S	C	266			
15			S	S	264	C	223			307	C	S	326	276	346			
16			S	S	219	169	A			317	312	306	322	S	S			
17			S	S	S	188	A			317	312	305	272	S	346			
18			S	298	S	S	284			B	286	321	326	S	S			
19			S	S	229	S	C			B	248	306A	286	S	426A			
20			298	S	S	268	198			342	S	331A	S	S	266A			
21			S	263	144	208	258			372A	276A	196	411	296	284A			
22			S	S	215	S	S			C	359	C	241	313	289			
23			S	S	170	S	188			351	296	326	323	288	S			
24			S	C	S	S	238			C	C	331	C	346	283			
25			S	S	219	C	150			C	C	396	276	346	C			
26			S	304	199	233	S			329	286	S	299	411	S			
27			S	C	174	208	C			416	S	306	341	281	283			
28			S	318	229	223	255			S	266	C	S	296	S			
29			S	279	189	C	S			S	C	S	S	S	S			
30			228	C	180	183	264			348	S	S	241	C	S			
31				314		S	213				234		311	C				
COUNT			7	9	21	17	19			15	15	18	21	18	21			
MEDIAN			298	279	219	198	188			332	296	324	306	296	291			

DELHI

PERIOD NOON UNITS 1.0 DB FREQUENCY 5.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	31	C	31	34	24	34	C	C	C	C	27
02	20	20	25	C	33	C	C	34A	C	C	25	24
03	C	25A	25	31	B	C	32	C	30	23	23	C
04	26A	C	C	36	31	30A	B	29A	32A	C	28	C
05	C	28	31	B	C	30	B	37A	30	24	26	19
06	27	24	28	B	B	33	24	B	C	C	26	C
07	23	23	29	37	34	C	C	B	C	28A	23	S
08	25	24	C	C	B	27	31	S	31A	27	C	29
09	19	24	30A	32	B	37A	31	C	28A	25	21A	23
10	20	24	C	S	B	30	39	S	31A	S	24	28
11	27	25	30	B	33	B	S	31	30	C	24	20
12	22	27	31	B	32	33A	B	C	29	28	28	22
13	23	31	30	B	31	34A	B	29	S	27	25	C
14	C	24	C	31	33	B	B	30	32	27	C	C
15	C	27	C	30	B	B	27	C	29	C	C	C
16	27		30	32	S	30	S	C	26	23	24	S
17	21	25	C	35A	B	28A	S	23	32	S	C	C
18	26	29A	32	C	29	C	B	C	C	S	25	18
19	22	29	33		34	26	B	35	32	22	24	17
20	25	C	36	34	C	35A	31A	C	C	S	22	C
21	22	26	32	35	B	C	33	38A	29	S	24	22
22	22	30	29	S	B	22	C	34	B	22	C	C
23	24	29	26	S	B	C	27	B	B	26A	22	15
24	B	29	32	35	28	34	C	B	C	27	20	23
25	C	28	35	36A	28	S	32	B	28	S	C	S
26	C	C	C	B	33	B	C	B	25	S	S	S
27	26A	28	34	34	26	B	31	38	S	S	C	C
28	C	28A	36A	34	29A	B	34A	32A	C	S	C	22
29	28		C	C	29	B	30	C	C	23	18	C
30	22		31	C	C	B	27		B	23A	23	C
31	C						25	33		S		25
C	21	24	22	15	16	15	16	13	16	15	20	15
M	23	27	31	34	32	30	31	33	30	25	24	22

DELHI

PERIOD NOON UNITS 0.1 DB FREQUENCY 7.0

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
			1957									1958						
01			S	S	107R	C	C											
02			257	S	97R	62R	87M											
03			197	S	C	147	97											
04			162	167	C	67R	92M											
05			S	142	62	137R	C											
06			187	C	S	72	59M											
07			147	C	S	72	59M											
08			S	127	82	C	S											
09			147	S	C	C	77											
10			S	142R	S	62	112M											
11			227	S	67R	C	87											
12			S	172	137R	147	C											
13			257	S	77	62	S											
14			167	207	182R	77R	77											
15			S	147	137R	C	S											
16			S	132	62R	C	87M											
17			102U	117	S	C	107M											
18			132	137	S	S	142											
19			177	217	67R	S	C											
20			182	S	117	77	62M											
21			157	187A	S	112R	92M											
22			S	S	S	S	S											
23			S	S	172R	S	S											
24			192	347	S	S	69											
25			S	S	192R	C	A											
26			137	197R	C	67	S											
27			S	S	S	146R	C											
28			S	SR	167R	111R	99											
29			S	177R	137	C	S											
30			142	RS	132	C	S											
31				177R		S	S											
COUNT			17	16	17	15	16											
MEDIAN			167	170	117	77	87M											

DELHI

PERIOD NOON UNITS 1.0 DB FREQUENCY 7.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	C	C	28	19	27R	20	C	C	C	22
02	16	22R	20R	C	R	R	R	27R	C	C	26	C
03	C	20R	26R	25R	R	R	R	R	C	R	25	C
04	20	R	C	23R	25	R	R	C	30A	R	26	C
05	C	C	R	C	27R	R	R	25	30R	27R	23	20
06	18	25R	23R	C	C	R	R	S	S	28R	C	C
07	14	21R	C	27B	23	R	R	S	S	30R	C	18
08	18R	20R	C	C	26	R	25R	21	26	24R	C	C
09	S	23R	19R	26R	C	27R	26R	R	C	R	26	C
10	C	21R	C	R	C	R	C	R	29R	R	C	C
11	12R	25R	25R	22R	32	R	23R	21	36R	R	24	18
12	C	16R	23R	C	C	R	R	C	32R	R	22	22
13	13R	22R	R	C	C	R	R	25	C	R	24	C
14	C	C	24R	20R	C	R	R	R	31R	R	R	C
15	C	R	R	C	26	R	S	R	C	R	R	S
16	18	R	S	24R	S	R	S	R	29R	24R	R	S
17	21	R	S	C	36	S	S	R	33R	27R	C	14
18	C	R	S	26R	24	R	S	26R	R	R	C	18
19	20R	R	R	R	39A	25	S	26A	R	24R	C	C
20	18	20R	24R	R	23	S	R	C	R	R	19	C
21	15R	18R	C	26R	18	S	R	C	R	22	C	16
22	18R	R	28R	24R	C	25	R	24R	R	25	C	18
23	S	19R	R	S	23	C	R	C	R	R	18	19
24	20R	C	R	S	C	26	R	C	R	24	14	C
25	C	20R	C	23R	23	31	R	C	R	R	R	C
26	C	C	C	C	C	S	R	C	R	24	R	C
27	R	R	C	24R	C	S	R	C	R	R	B	C
28	R	21R	23R	R	23	S	R	26	R	C	R	13
29	24R		24R	R	C	26	18R	C	R	25	R	R
30	21R		22R	27R	C	26	22R	C		C	22	R
31	23R		C		C		16R			C		12
C	17	15	12	13	15	8	7	10	9	12	12	12
M	19R	21R	24R	34R	25	26	23R	25	30R	25R	23	18

DIXON

PERIOD NOON UNITS 0.1 DB FREQUENCY 2.2

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				466D	C	C	500D	166	500D	B	635D	438	520DB	300	390	340	300UR	60
02				500D	500D	270	165	315	500D	B	640D	336	470	320	330	410	330R	250
03				425R	R	131	345	C	500D	466DB	498	300	350	470	330	350D	B	C
04				500D	428DX	345	C	114	500DR	545DB	360	300	470	480	350	410	B	50A
05				500D	500D	C	C	122R	482D	442	C	433	430	270	390	330DB	300R	220DB
06				80	455DX	C	102	500D	500D	395	B	368	320	300	510D	370D	390R	110A
07				159	R	84	106	R	475D	360DB	325	645	B	380	440D	500R	130R	130D
08				372	500DX	500D	75	500D	500D	B	378	S	B	300DB	B	390DR	190	100
09				48R	R	C	54	500D	500D	445	293	450	B	400B	640	610DB	B	210
10				490D	446D	410DB	106	C	500D	268	360	657	B	370	440	320R	170	190DB
11				500D	374D	248	100	500D	500D	B	207	C	B	B	480	430R	100EC	150DB
12				460R	C	C	104	500D	500D	392	297	556	570	B	390	310R	140	C
13				500D	160UR	435DB	105	500D	500D	324	428	572	C	460DB	330	360D	190DB	350DB
14				C	C	193	285	500D	500D	565	380	455	C	460B	340	310R	310UR	230A
15				C	175UR	240	438DB	500D	500D	B	420	456	C	430B	340	330R	120	100
16				C	155	C	140	380UR	500D	366	515D	275	550DB	B	470DB	B	80	220
17				C	440X	175	425D	500D	500D	B	540	551D	S	B	C	B	180	100
18				C	121	235	500D	500D	500D	465	369	319	470	B	B	340R	140	220DB
19				245UR	C	C	301D	500D	500D	B	445D	371	440	460	220	430DB	230DB	200R
20				500D	500D	500DB	273	500D	500D	410	438	C	330D	290B	270	C	380R	200DB
21				500D	238	500DB	468D	500D	500D	308	440	C	G	380	320	330D	140	380
22				500D	C	500DB	312	500D	500D	345DB	318	473	G	B	260	210F	240	80
23				500D	C	378DB	362D	500D	500D	480	462	B	370	B	B	450R	200	90
24				500D	57	100	483D	500D	500D	675	C	479	570	B	B	310DR	C	C
25				350UR	112	98	500D	C	500D	430	325	407D	320	B	B	B	220	C
26				495D	320D	488DB	500D	C	500D	328	400	670	450	B	B	170R	C	570
27				R	375UR	438DB	212	C	500D	264	342	289	420	B	400D	B	410	170UR
28				205UR	355X	418DB	128	404UR	500D	C	500	510	370	B	B	170R	C	100DB
29				306UR	500D	98	500D		500D	402DB	405	510	B	B	480	B	470DB	C
30				500D	255	126	450D		500D	435	505	462	B	B	320	C	150EC	C
31				235R		168UR	455		500D		450		370	B		R		C
COUNT				21	13	23	29	20	31	26	29	26	25	31	28	28	27	24
MEDIAN				500DB	320DB	270	301DB	500DB	500D	455	420	459	520	460	420	400	240	210

DIXON

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	29D	59D	46	38D	C	C	52	40	55U	42	35DB
02	8	C	B	58	56	31	46	B	50	50DB	46	B
03	32DB	C	B	39	35	41	41	50	51DB	42U	34DB	34US
04	11	C	B	41	44	54D	31	50	43	59UR	R	17
05	6	B	B	30	30D	46	34	61	40	B	B	C
06	44DA	B	B	28	32	34	36	58	36	52U	B	35
07	B	B	45UC	32	27	43	40	52	44	B	43UR	66DB
08	32DB	47	49	29D	C	28	66	34	31	B	47DB	C
09	B	C	42	34	32	61DB	53D	37	37	44UR	30	12
10	18D	C	41	39	36UC	46	62D	59	37	46UR	18UR	16
11	28D	R	30	51	B	55DB	B	50	57DB	40UR	C	20
12	24DB	51DB	41	40	B	40	B	45	56DB	R	C	C
13	26	46D	48	32	B	32	B	36	C	R	C	63
14	26	B	48DB	45DB	B	46	B	21	41DB	R	R	C
15	18DB	B	30	29	B	64	B	32	34	55	C	53UR
16	19	C	41	47	B	64	B	42	40D	R	C	31DB
17	40DB	C	37	28	B	32	B	44DB	37	C	69DB	32
18	B	C	24	52	B	30	B	43	36	C	C	14
19	32D	51DB	24F	30	B	36	B	B	73D	C	C	38US
20	30	R	21	28	55	31	B	C	44D	C	C	33
21	20UC	28UR	26	52DB	70DB	30	B	52DB	50	32A	29	50
22	19	C	28	26	46	30	B	49	38	26AF	9	18
23	26	58UR	41	28	50	26	B	60	B	56DB	34	C
24	18	28R	50	28	49	C	50	38D	44DB	41UR	22	26DB
25	18	24R	47	43	44	C	52DB	50D	C	59UR	15	12
26	22	40DB	35	33	44	37	54	38	50	26	20	16DB
27	39	B	28	45DB	36	28	44	27D	46DB	B	15	63
28	42DB	B	50D	41	35	27	52DB	30	55	42UA	18DE	40DB
29	23		47	37	34	33	B	44	55DB	36UR	27	44DB
30	B		50D	40	32	32	31	42	37	20UA	N	30
31	B		31D		58DB		35D	20		10R		10UC
C	30	17	31	30	30	27	25	30	26	19	17	23
M	28	51	45	39	50	34	B	44	44	52	34	34

DIXON

PERIOD NOON UNITS 0.1 DB FREQUENCY 3.2 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
				1957								1958						
01				358D	C	C	272	62	396D	424	469	414	570DB	B	350	160	180	130
02				358	194	160	204	128	420D	C	462	388	530	440R	300R	170	290	200
03				206	193	79	172	C	375D	R	335	428	470	B	R	180	260	60
04				326	152	420D	C	93	254	R	393	418	510R	500C	280	160	330DB	60
05				500D	500D	390	C	114	500D	331R	C	387	370	C	R	240US	240UC	260
06				143	185	121	24	462D	482	R	581	390	360	300R	B	200	250	140U
07				139	150	93	68	355	420D	B	412	665	B	R	330UR	490DB	160	110D
08				114	304D	271	65	333D	500D	B	380	S	B	340R	B	240	230	150U
09				168	163	C	400	500D	378D	R	208	522R	B	320R	320UR	S	360	100
10				495	222	353D	75	C	382	R	332	526	B	R	500UR	350	190	140
11				406D	234D	105	121	500D	500D	643	338	C	B	B	310R	210	80	220
12				291	C	C	97	415D	500D	R	288	519	440	B	330F	200	180	C
13				273	127	245D	72	410	500D	332	450UR	587	C	R	210UR	460D	320DB	350
14				C	C	313	80	500D	471D	460R	505	450R	C	380R	240	220	180	120
15				C	129	108	375D	500D	500D	418D	463R	532	C	400B	260	210	160	80
16				C	144	C	9A	196	500D	B	368R	451	490DR	B	B	B	90	200
17				260	172	86	188	425D	445	B	612	650D	S	B	C	490D	80	130
18				C	330	197	336D	C	405	445R	552	452R	560X	B	C	320	180	150
19				C	C	C	365	440D	448D	338DA	B	534	430R	B	300	360	300	170
20				250	C	500D	215	500D	460D	481	480	C	500D	280R	190	220	120	120UC
21				500D	104	500D	176	442D	426	368R	N	C	C	280UR	190	320	260	180
22				500D	78	287D	284	305	500D	385DB	392	506X	C	B	250	90F	180	230
23				500D	C	226	385D	308	500D	366	448	715D	380	B	B	170F	160	170
24				415	56	90	392	494D	500D	420UR	C	407	61	B	B	220D	C	C
25				127	292D	470	500D	338	500D	433R	375	B	360	B	B	280	140	C
26				435D	238	160	380	261	500D	435R	392	579	420DR	B	500D	160	C	260
27				152	182	238	378	C	500D	260R	460	544	540	B	300	170D	500DB	230D
28				142	146	218	106	230	500D	C	572	543X	R	B	290D	140	200	160
29				120	500D	122	362D		500D	B	465	548	640	B	390	280	310	C
30				235	98	104	408D		437	B	495	555	B	B	180	C	80EC	C
31				80		145	170		500D		412		460	450DB		360		C
COUNT				26	24	26	29	24	31	18	27	24	25	27	26	29	28	25
MEDIAN				267	177	178	199	382	500D	452	448	524	580	B	370	240	200	140

DIXON

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	B	42DB	45DB	32UR	37R		57	R	46DB	67	22DB
02	8	C	B	30UR	54UR	54UR	52R	55DB	45UR	36DB	68	B
03	30	C	B	28	38R	54UR	50R	56	40	52DB	25	35R
04	13	C	B	30R	41UR	47D	35R	48UR	25R	48UA	33	17
05	16	36DB	B	30	44R	59R	31R	44D	24UR	70	B	C
06	15D	44	C	28R	41UR	38UR	50UR	63	20	44UC	41DB	20
07	21	28	C	30UR	36R	47UR	40UR	55	27UR	54DB	24	5B
08	31	17	16D	36DB	C	39UR	63R	R	20UR	34	B	C
09	46	20	30	C	42R	64UR	60DB	43UR	33	30U	29	26
10	24D	C	36	66DB	50UR	55UC	65D	31	28UR	28	20	14
11	30	21	18	9	B	44	B	43	25	24	C	51
12	34	35DB	29	35DB	B	47	B	38UR	38	23	C	C
13	33UC	49	48	26	B	38		35	C	20	C	42
14	21	58DB	26	47DR	B	52	B	39UR	25	17	16	C
15	12	B	24	24UR	B	65D	B	34	23R	34U	45	37DB
16	19	C	24	33UR	B	59DB	B	10	31DB	17	C	42
17	28	C	25	R	B	43	B	N	39	C	B	19
18	26DB	C	25	57UR	B	44R	B	56	25	C	C	20
19	18D	29	20	R	B	48R	B	58DB	69DB	C	C	33
20	20	19	22	R	52	41R	B	C	28	C	C	30
21	13	30	15	52	56	47R	B	51	47D	11	18	21
22	13	C	18	43UR	52R	42R	62D	B	33UR	21U	16	22
23	20	15	28	34UR	66	36R	B	52UR	59DR	48U	32	C
24	10	23	35UR	R	66	C	58D	30D	25	24	10	25
25	14	13	43	37R	53UR	C	54	46DB	C	31U	16	14
26	18	40DB	26	32UR	37UR	45R	68DB	48UR	26R	20	18	66DB
27	C	B	56R	37UR	47R	46	44R	B	20	41	10	26
28	24	52D	24D	36UR	48	43R	46UR	33UR	28	22	28	50DB
29	24		49DB	42	60UR	44UR	B	37	36DB	12	21	21DB
30	35		56DB	42UR	39R	50UR	47UR	36	17	11	17	30
31	B		30DB		50D		51R	38		23U		C
C	29	20	29	24	30	25	23	22	24	27	23	23
M	24	37	36	36UR	51R	47	B	50	28	28	25	26

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.725 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	30S	48	C	42	46	59	61	30	48	64C	60	53	53	59	47	42	34	45
02	C	43	36F	45	41	54	55	58	54	59	64	52	38	48	57	47	34	42
03	C	46	34	53	42	61	52	53	58B	55	53	C	49	47	56	45	28	35
04	C	42	B	53	25	C	54	42	34	59	50	52	55	47	55	44	26	46
05	39	43	30	46	40	54	60	58	33	46	63	52	50	55	47	45	37	33
06	40	44	0C	46	35	60	60	59	55	51	48	52	45	57	51	40	33	48
07	42	47	58	35	39	54	61	56	52B	63	45	46	49	57	46	38	33C	35
08	38	B	B	37	33	38	56	60	40	54	56	54	52	55	35	41	36	44
09	35	46	F	46	45	56	61	C	54	58	52	49	51	52	58	54	34	45
10	41	43	54	39	35	56	C	43	46	46	52	C	C	57	54	38	28	50
11	30	47	F	41	31	57	61	37	44	64B	48	55	53	55	58B	33	31	48
12	41	43	F	31	48	37	C	37	49	44	C	40	69	50	51	43	29	54
13	43	C	52	32	40	55	55	55	46	56	52	48	62	B	B	53	33	C
14	C	47	C	48	33	40	59	42	46	49	49	54C	60	59	56A	52	41	47
15	C	41	56	C	31	49	60	56	56	51	57	50	46	53	57DS	46	32	44
16	35	48	55	57	43	C	57	44	44	49	52	47	46	59	41	44	29	47
17	34	B	B	58	35	C	57	62	54	51	57	50	50	51	58	36	29	48
18	38	B	54B	52	52	56	55	46	47	41	48	C	47	64DS	54	40	28	55
19	35	52	49	52	30	58	47	56	51	47	55	52	58	C	40	44	33	51
20	C	44	C	44	43	60	48	63	53	53	48	40	48	42	42	39	24	C
21	46	33	52	52	55	58	C	46	61	50	46	49	40	50	C	40	26	28
22	42	34	45	36	54	55	54	44	B	55	45	53	42	48	44	39	25	50
23	52	41	46	52	42C	56	60	46	B	43	46	51	59	58	48	49	41	44
24	44	42	46	43	54	57	54	B	52	49	50	47	49	59	48	C	40	44
25	51	41	51	52	33	60	54	32B	60	C	47	C	48C	55	43	36	33	38
26	42	31	55	52	46	58	45	58B	56	48	C	39	49	54	45	C	33	52
27	44	27	C	54	40	58	46	54	64	59	48	43	48	48	43	43	35	48
28	43	C	53	56	36	62	44	51	60B	51	43	41	54	B	50	33	38	37
29	41	36	43	53	46	54	58		60	58	43	47	61	56	50	39	31	43
30	45	35	46	C	55	54	58		62	51	49	43	60	61	44	46	51	39
31	49	42		48		57	29		C		56		B	62		47		39
C	25	26	19	29	30	28	28	26	28	29	29	26	29	28	28	29	30	29
M	41	43	51	46	40	56	56	52	53	51	49	50	50	55	49	43	33	45

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.725 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	46	60	57	60	C	39	47	45	61	38	28	38
02	C	58	30	C	C	44	46	44	56	42	34	34
03	54	56	57	48	47	46	39	44	46	42	C	C
04	55	56	42	56	50	52	50	56	50	C	46	40
05	55	56	43	59	C	46	B	42	46	30	41	44
06	52	52	48	49	49	41	54	54	56	46	52	31
07	40	48	46	56	50	54	51	46	44	39	50	43
08	47	52	58	59	C	50	49	48	50	38	56	48
09	54	39	46	47	51	43	48	48	44	37	44	48
10	52	44	C	50	C	58	53	36	34	22	48	50
11	52	36	50	64	C	48	44	43	41	46	49	46
12	54	27	48	B	49	43	53	46	48	40	48	46
13	58	30	40	54	48	40	50	42	44	34	47	50
14	62	44	42	42	49	44	57	40	56	36	50	48
15	56	42	48	47	42	44	42	C	44	25	50	46
16	55	43	43	48	47	41	56	61	43	28	40	44
17	C	54	44	50	51	42	54	58	50	29	46	42
18	58	56	43	48	50	B	53	B	41	34	32	
19	60	46	58	48	C	50	56	63	39	34	32	41
20	58	44	45	54	45	40	54	C	C	39	33	44
21	65	44	58	42	49	45	58	51	42	30	30	40
22	59	47	58	56	47	42	50	56	44	44	42	41
23	58	B	54	44	40	60	56	62	40	30	34	36
24	56	54	B	48	52	40	51	54	43	36	40	26
25	59	54	48	47	49	52	56	50	40	35	23	36
26	C	50	54	47	44	46	50	42	39	40	26	46
27	58	52	42	44	44	38	50	56	38	26	42	52
28	56	50	48	47	42	44	41	54	49	23	22	C
29	56		60	44	49	48	40	54	52	38	44	45
30	56		58	50	48	38	46	58	38	52	39	43
31	54		53		40		45	52		C		46
C	28	27	29	28	24	29	30	28	29	29	29	29
M	56	50	48	48	49	44	50	51	44	36	42	44

FREIBURG

PERIOD NOON — UNITS 1.0 DB — FREQUENCY 2.05 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	41	49	C	37	29	49	47	20	44	62C	53	52	45	57	37	37	24	38
02	C	45	41F	51	32	43	57	57	48	56	59	51	44	39	55	40	27	32
03	39	48	26	40	25	52	51	42	57B	53	50	C	48	42	48	38	18	24
04	44	41	33	35	22	C	51	31	42	51	43	48	54	50	53	37	24	45
05	42	41	39	45	33	54	59	55	36	47	53	48	50	51	45	44	25	28
06	38	45	C	41	33	54	51	57	46	41	44	52	42	56	45	35	21	49
07	42	49	53	35	38	53	49	53	58DS	60	49	54	46	49	41	34	26C	31
08	38	B	57	31	33	29	57	55	42	41	54	49	52	55	44	33	24	37
09	38	46	54F	42	43	58	60	C	58	52	45	47	48	49	48	40	26	33
10	43	41	41	35	34	58	C	40	38	36	50	C	C	51	49	28	17	45
11	36	46	56	39	32	56	61	40	39	59	40	57	69	50	53	47	22	53
12	38	43	43	41	35	32	C	34	44	45	C	46	63	50	47	38	21	54
13	44	C	45	38	40	42	60	50	35	51	48	45	63	B	60	42	26	C
14	C	43	C	52	32C	33	50	30	47	46	44	55C	61	48	53	48	33	41
15	C	39	42	C	29	36	59	55	55	44	54	56	50	49	43	38	29	35
16	39	34	42	47	33	C	52	42	47	46	50	49	47	56	57	34	26	50
17	35	42	55	46	24	C	56	61	48B	51	54	49	51	45	60	31	29	36
18	39	42	51	42	31	49	46	42	51	41	48	C	43	52DS	45	28	22	50
19	37	42	44	40	27	57	40	52	48	42	49	48	54	C	42	35	26	33
20	C	34	C	34	30	59	40	49	60	51	44	45	45	38	51	34	20	C
21	47	29	45	39	36	56	C	40	53	47	43	46	43	37	C	33	20	29
22	41	33	43	38	42	55	58	39	59B	51	42	49	45	49	42	36	20	45
23	46	39	30	46	29C	55	61	33	B	45	46	47	58	49	39	40	36	30
24	38	40	45	29	42	58	60	52	49	48	48	53	53	49	45	C	29	36
25	44	28	46	39	30	62	51	37B	54	C	46	C	45C	51	35	25	29	33
26	47	30	45	38	36	58	47	51	45	40	C	37	45	51	40	C	27	41
27	40	29	C	38	38	53	43	49	52	51	42	42	45	49	38	35	29	45
28	42	C	44	36	46	56	47	45	63	51	42	48	56	B	42	29	31	44
29	36	35	33	41	42	46	63		57	58	42	48	62	47	42	35	32	31
30	34	33	44	C	44	40	51		66B	51	48	45	60	57	35	36	48	32
31	45	38		36		57	32		C		48		B	61		39		39
C	27	28	25	29	30	28	28	27	29	29	29	26	29	28	29	29	30	29
M	40	41	44	39	33	54	51	45	48	51	48	48	50	50	45	36	26	37

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.05 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	48	60	43	46	C	40	54	44	50	44	24	29
02	C	60	34	C	C	42	42	38	46	36	31	32
03	56	52	44	52	40	40	40	43	40	34	C	C
04	53	60	44	57	46	49	42	51	42	C	36	45
05	47	44	41	52	C	41	B	38	40	40	42	50
06	41	39	42	46	42	34	48	46	50	42	62	34
07	44	40	42	54	49	51	49	41	45	36	46	44
08	53	43	50	57	C	48	50	45	44	34	44	48
09	59	30	34	45	54	44	47	42	39	33	34	52
10	56	40	C	48	56	50	50	36	38	16	43	45
11	60	32	43	59	C	46	54	50	37	44	30	44
12	62	36	42	B	42	38	60	46	36	33	50	40
13	62	32	35	45	50	37	38	40	37	32	48	52
14	52	38	40	34	46	44	50	38	50	35	48	37
15	56	44	41	48	40	44	37	C	29	19	39	46
16	59	44	37	47	44	35	54	56	29	18	30	48
17	C	49	36	45	50	41	50	49	44	30	29	38
18	62	48	28	44	42	B	52	B	32	30	20	48
19	60	40	48	43	C	44	51	64	38	30	20	43
20	56	38	44	51	44	50	50	C	C	29	25	44
21	66	36	56	42	43	58	60	52	38	23	24	42
22	64	42	53	55	44	38	48	50	36	37	35	38
23	62	B	48	48	40	56	50	61	31	31	25	32
24	58	44	B	46	44	34	42	48	32	24	32	28
25	62	44	46	46	46	42	56	45	35	27	14	24
26	C	46	47	38	44	39	44	50	38	34	16	38
27	63	40	42	44	40	36	52	58	30	28	29	52
28	56	44	50	41	41	34	40	60	39	30	18	C
29	48		49	40	51	46	46	56	40	36	46	49
30	50		50	46	44	34	42	52	32	48	32	46
31	60		46		41		36	50		C		50
C	28	27	29	28	25	29	30	28	29	29	29	29
M	57	43	43	46	44	42	49	49	38	33	32	44

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.44 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33	45	C	30	32	40	41	16	37	54C	45	48	38	50	41	34	19	34
02	C	41	37	37	25	37	53	40	27	52	51	53	42	37	47	30	19	28
03	40	42	31	32	23	41	38	40	54B	46	42	C	43	42	44	32	20	29
04	42	37	32	36	22	C	40	25	36	42	38	44	45	50	46	31	23	35
05	39	36	37	27	28	37	47	45	29	44	48	43	46	48	45	47	24	25
06	34	41	C	28	28	44	45	46	37	45	43	48	41	50	38	32	27	42
07	41	41	53	27	33	56	40	44	46	58	44	45	41	48	35	32	20C	27
08	33	B	52	43	38	29	54	49	35	37	46	52	49	47	39	29	13	30
09	32	45	49	28	37	57	50	C	44	42	38	40	44	45	42	34	19	30
10	42	37	39	32	28	61	C	30	32	32	45	C	C	49	46	33	15	35
11	35	40	46	31	36	47	53	32	33	55	36	48	57	45	34	34	18	53
12	37	39	F	31	32	48	C	32	37	42	C	41	50	46	29	28	27	48
13	38	C	30	38	32	34	54	39	33	42	49	38	48	B	52	33	30	C
14	C	46	C	56	22	38	44	37	37	42	41	43	48	46	51	40	28	38
15	C	41	42	C	26	31	46	49	45	38	54	50	46	45	51	36	28	31
16	44	34	57DS	41	32	C	36	40	42	39	47	45	44	46	46	24	24	50
17	39	43	53	40	24	C	43	57	41	44	50	48	43	38	43	25	25	32
18	40	46	50	42	25	40	39	36	34	43	43	C	41	60B	40	28	21	38
19	39	44	42	32	23	47	34	42	41	37	42	46	43	C	40	31	19	30
20	C	32	C	25	29	61	37	38	55	40	41	45	38	35	49	36	12	C
21	33	29	41	30	28	49	C	39	39	38	40	46	41	46	C	24	19	26
22	42	28	42	28	32	55	48	43	51DS	43	39	42	37	44	45	32	16	33
23	46	41	26	30	28C	46	50	24	B	40	53	52	54	45	30	34	28	25
24	43	41	40	26	34	44	46	40	44	40	45	45	47	47	33	C	23	33
25	36	28	43	25	29	54	42	31B	46	C	46	C	38C	46	24	19	26	27
26	41	31	42	25	31	61	37	45	41	48	C	42	42	49	35	C	22	30
27	37	27	C	26	41	39	29	49	46	46	38	52	50	45	31	24	22	32
28	32	C	41	32	36	42	43	36	54	41	44	37	47	62DS	36	38	26	32
29	41	33	37	37	31	43	54		42	57	47	45	53	47	39	22	32	25
30	31	32	42	C	35	35	38		61DS	47	39	39	50	51	40	27	51	26
31	41	34		27		50	24		C		45		B	54		20		29
C	27	28	24	29	30	28	28	27	29	29	29	26	29	29	29	29	30	29
M	39	40	42	31	30	44	43	40	41	42	44	45	44	46	40	32	22	31

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.44 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	39	60	33	42	C	40	52	40	44	39	20	26
02	C	56	32	C	C	38	40	38	47	32	26	25
03	54	38	40	40	30	38	35	40	38	32	C	C
04	42	50	35	50	38	44	43	50	42	C	30	38
05	36	42	36	46	C	42	B	39	38	36	28	44
06	28	33	32	33	34	30	46	42	32	32	27	30
07	38	37	40	48	44	50	50	42	46	32	35	36
08	53	36	41	50	C	45	45	42	42	28	36	38
09	43	28	40	40	49	37	46	42	40	37	27	38
10	54	34	C	42	56	54	50	32	41	32	40	39
11	49	34	41	52	C	46	40	46	36	35	28	36
12	52	27	40	B	41	42	46	40	32	30	40	34
13	52	26	31	40	44	34	40	39	30	36	48	38
14	45	30	35	34	38	48	51	41	34	32	40	35
15	52	38	38	38	34	42	35	C	28	30	28	42
16	60	38	28	44	40	36	58	50	24	16	18	40
17	C	40	38	43	40	40	47	50	40	18	30	30
18	62	35	44	38	38	B	49	B	24	17	20	41
19	56	34	40	36	C	36	52	50	30	29	19	36
20	50	31	38	49	38	42	53	C	C	32	18	34
21	60	32	45	39	43	45	58	33	40	29	26	40
22	60	40	45	51	44	36	45	42	34	30	30	31
23	50	B	43	42	36	54	48	62	29	26	24	29
24	50	29	B	42	42	37	41	48	30	19	28	22
25	62	34	37	44	42	42	51	39	31	28	15	22
26	C	43	40	40	37	42	48	39	28	31	22	32
27	58	28	36	42	38	48	44	48	39	24	28	42
28	46	31	38	38	39	37	38	36	31	29	14	C
29	38		30	40	41	43	51	50	30	36	36	50
30	40		42	42	38	34	36	46	34	42	36	51
31	44		44		36		38	45		C		
C	28	27	29	28	25	29	30	28	29	29	29	29
M	50	35	38	42	39	42	46	42	34	31	28	38

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.90 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	47	37	C	31	29	32	48	17	30	46C	40	37	36	47	37	22	15	30
02	C	33	B	21	31	33	44	32	34	31	44	51	41	38	39	34	22	28
03	B	40	28	37	24	34	37	32	50	35	34	C	39	42	43	32	34	25
04	46	31	30	32	18	C	34	27	30	39	38	52	42	50	43	25	23	31
05	35DS	36	31	33	22	38	42	34	29	35	42	44	45	42	33	50	19	29
06	35	39	C	35	18	39	41	38	42	43	41	47	37	42	34	29	21	37
07	40	34	47	31	29	54	43	34	44	43	34	44	44	42	33	28	20C	30
08	27	B	47	32	29	26	49	37	31	27	42	43	45	38	34	26	12	30
09	35	37	46	34	32	50	48	C	44	39	36	45	41	45	44	45	13	28
10	42	33	36	32	33	62	C	30	32	40	40	C	C	44	42	32	12	32
11	39	28	40	32	35	F	51	33	29	48	34	47	73	40	46	31	19	56
12	37	40	39	30	29	27	C	31	34	37	C	39	64	38	26	32	23	36
13	35	C	27	32	32	30	51	33	26	38	38	39	64	B	36	28	21	C
14	C	30	C	45	23	24	32	30	34	46	39	45C	59	48	41	38	25	31
15	C	38	40	C	24	28	35	26	36	33	48	46	43	39	45	30	20	30
16	38	31	47DS	31	31	C	28	32	28	35	43	46	42	41	40	31	18	56
17	36	41	49	33	27	C	30	43	32	39	43	48	44	39	32	20	22	31
18	40	38	42	34	21	38	28	30	29	31	37	C	42	56	25	22	26	33
19	36	41	40	35	18	53	24	33	35	33	38	40	38	C	30	22	23	24
20	C	29	C	23	26	46	23	30	42	34	33	38	36	27	43	26	14	C
21	52DS	26	37	23	29	39	C	31	40	36	41	43	48	34	C	17	30	22
22	41	29	27	27	41	43	39	34	44	38	38	42	37	39	41	29	19	27
23	43	36	27	35	25C	38	43	29	B	36	43	42	49	40	25	31	26	26
24	41	38	41	23	31	38	37	35	32	32	44	43	45	41	29	C	26	41
25	40	17	28	32	25	43	30	30B	37	C	42	C	30C	39	32	18	26	29
26	39	30	32	24	29	63	27	36	37	36	C	41	41	45	43	C	27	32
27	35	29	C	22	35	32	25	41	47	39	31	42	44	39	32	22	19	30
28	32	C	35	32	32	34	35	31	54	35	34	37	43	57	42	33	26	26
29	32	29	40	28	27	36	42		33	51	44	42	49	44	39	27	32	25
30	34	28	36	C	31	29	33		56	40	43	42	42	41	44	23	41	26
31	39	28C		25		41	23		C		42		B	42		24		28
C	26	28	24	29	30	27	28	27	29	29	29	26	29	29	29	29	30	29
M	38	33	38	32	29	38	38	32	34	37	40	43	43	41	39	28	22	31

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.90 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	36	48	30	36	C	36	46	30	40	37	24	24
02	C	44	34	C	C	38	46	40	40	36	28	26
03	45	31	17	34	38	38	40	39	36	32	C	C
04	41	46	32	44	38	39	36	46	33	C	16	40
05	50	34	28	38	C	42	60	41	38	29	24	36
06	32	32	30	36	34	30	44	40	36	30	26	C
07	40	33	24	42	47	40	48	42	36	24	26	46
08	46	32	26	43	C	36	40	42	36	20	22	A
09	41	24	32	38	42	34	44	41	30	25	30	33
10	48	30	C	36	52	42	42	32	36	32	35	38
11	50	26	34	54	C	39	46	43	38	34	15	A
12	45	22	26	B	39	40	41	40	42	26	33	A
13	45	22	32	31	40	32	44	41	36	22	37	A
14	38	28	34	34	42	40	43	43	34	29	27	A
15	40	32	36	29	38	40	32	C	28	34	30	A
16	64	35	26	41	34	34	48	45	23	18	23	A
17	C	44	32	36	40	44	46	40	34	16	34	A
18	60	36	34	34	44	B	39	B	32	16	22	31
19	54	32	40	34	C	48	44	50	34	22	16	A
20	48	26	34	44	35	36	48	C	C	28	20	A
21	58	24	34	36	44	44	48	36	34	23	28	A
22	44	38	40	44	40	34	43	43	36	28	34	A
23	38	B	34	39	37	52	42	54	24	26	45	25
24	46	30	B	36	40	44	35	43	34	22	26	21
25	63	35	38	39	40	44	46	42	31	20	22	30
26	C	42	35	36	43	42	46	37	28	33	28	31
27	44	38	34	44	36	42	39	40	33	20	24	39
28	37	28	36	38	43	44	36	36	42	32	21	C
29	29		42	34	38	41	44	43	22	32	38	34
30	28		38	40	38	36	34	38	33	30	32	A
31	35		33		33		36	37		C		42
C	28	27	29	28	25	29	31	28	29	29	29	15
M	45	32	34	38	39	40	43	41	34	28	26	33

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.45 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	51	42	C	35	33	36	37	25	29	43C	36	50	41	45	32	40	12	25
02	C	60	34	39	30	31	43	34	35	25	39	41	36	47	34	31	E2	28
03	36	40	29	33	27	40	25	46	43	39	35	C	44	36	39	23	42	24
04	44	44	34	40	28	C	36	42	32	42	37	47	38	38	34	37	A	27
05	39	39	37	31	37	41	37	45	33	31	39	41	43	39	32	37	A	18
06	32	42	C	23	27	37	40	44	36	32	43	45	35	41	31	33	A	26
07	35	41	45	36	34	41	35	36	43	34	35	48	48	38	32	48	C	18
08	29	B	39	29	30	A	38	37	36	26	44	45	46	30	39	21	11	23
09	39	33	42	26	R	40C	45	C	40	35	32	42	43	42	33	31	13	23
10	41	35	38	36	39	48R	C	30	30	39	41	C	C	37	30	26	10	27
11	43	39	39	24	R	37	43	26	35	39	44	38	55	34	28	31	23	30
12	37	32	F	25	R	21	C	48	37	41	C	39	70	37	30	31	24	29
13	40	C	38	35	41	31	61	57	38	42	41	41	62	B	41	36	20	C
14	C	44	C	36	34	23	60	30	30	41	40	39C	56	52	38	41	22	21
15	C	39	35	C	36	26	57	49	37	36	47	49	41	27	38	40	21	22
16	28	25	55DS	26	44	C	55	39	32	43	43	42	37	40	32	15	23	27
17	36	35	48	27	36	C	54	49	38	38	38	42	39	42	31	26	23	29
18	35	26	39	26	A	36	32	35	26	35	37	C	48	45	19	24	21	26
19	33	36	44	31	39	47	27	40	41	38	37	34	37	C	19	25	21	22
20	C	32	C	18	46A	43	50	36	44	41	34	34	47	24	36	29	20	C
21	59DS	33	41	32	42	40	C	46	36	31	49	41	42	39	C	14	18	18
22	37	26	41	32	48	43	35	49	37	36	30	39	33	35	36	19	15	23
23	44C	21	46	36	30C	43	39	52	B	32	48	44	49	41	30	52	26	26
24	42	33	41	23	R	39	29	38	29	34	39	43	43	39	43	C	25	13
25	42	30	30	35	36A	39	25	34R	28	C	47	C	41C	35	34	36	21	26
26	38	31	38	30	27	62	38	41	35	36	C	44	36	45	39	C	23	27
27	34	19	C	17	28	28	24	40	30	32	39	40	49	40	40	44	A	25
28	27	C	38	29	28	38	24	31	50	36	34	29	42	45	28	37	22	21
29	27	32	36	25	29	32	37		41	44	38	40	50	35	37	29	20	22
30	39	29	30	C	34	23	35		50	39	47	40	44	34	35	E2	44	22
31	40	32		26		42	45		C		42		B	38		48		21
C	27	28	24	29	25	27	28	27	29	29	29	26	29	29	29	28	24	29
M	38	33	38	30	34	38	37	40	36	36	39	41	43	39	34	31	21	24

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.45 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	30	51	31	42	C	38	40	36	38	39	18	10
02	C	38	E2	C	C	44	38	38	42	46	18	17
03	A	38	48	29	32	49	38	32	26	60	C	C
04	A	38	33	39	38	44	44	48	30	C	11	22
05	29	34	31	33	C	44	51	22	32	35	34	27
06	24	28	34	33	46	42	44	40	32	42	29	19
07	37	37	22	39	44	47	40	39	40	29	30	22
08	30	28	30	37	C	48	37	43	37	17	24	23
09	24	32	28	40	36	42	36	39	42	24	22	25
10	38	36	C	36	50	50	46	34	36	29	25	25
11	29	28	38	50	C	47	46	41	40	22	25	22
12	30	38	25	R	42	42	44	38	45	20	28	24
13	32	36	28	21	44	37	34	40	42	32	26	22
14	30	28	30	33	44	40	42	47	39	36	28	20
15	32	31	20	22	37	41	25	C	36	18	18	27
16	39	C	30	41	35	39	55	50	20	13	20	20
17	C	38	32	39	38	46	46	26	32	13	23	15
18	48	40	34	30	39	B	42	B	38	A	19	22
19	35	39	44	35	C	43	42	44	24	26	10	19
20	42	41	39	44	36	43	45	C	C	21	16	23
21	57	31	34	34	39	52	44	30	35	A	18	24
22	44	34	37	38	51	39	39	40	36	27	16	14
23	43	R	26	42	39	47	42	51	46	20	12	12
24	46	33	R	33	42	40	48	33	27	16	25	19
25	60	33	38	33	38	42	46	39	25	23	14	10
26	C	53	34	30	34	37	44	37	32	23	18	13
27	48	46	34	51	36	42	42	40	38	18	14	17
28	56	29	42	35	32	44	38	32	41	20	10	C
29	43		42	32	36	42	40	38	24	28	19	24
30	40		36	38	32	37	36	37	34	24	20	32
31	60		36		40		40	39		C		27
C	26	26	28	28	25	29	31	28	29	27	29	29
M	39	36	34	35	38	42	42	39	36	24	19	22

FREIBURG

PERIOD NCON UNITS 1.0 DB FREQUENCY 4.10 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33C	28	C	25	22	24	18	14	23	C	E2	28	30	B	31	29	19	19
02	C	26	15	25	22	24	25	22	24	24	E2	31	32	38R	37	24	22	20
03	R	29	15	21	21	25	21	24	34	34	52	C	21	35	36	21	19	18
04	C	30	16	20	19	C	21	20	21	47	45	32	23	40S	30	34	20	20
05	36DS	20	13	22	6	23	24	23	22	35	56DS	31	R	41	32	26	15	13
06	34	30	C	18	17	24	26	25	C	46	E2	38DS	34	37	23	24	14	24
07	37	32	33	25	19	27	23	27	R	31R	41	S	36	28	22	28	17C	15
08	37	B	33	27	23	20	26	26	23	34	R	R	R	22	20	23	14	21
09	28	30	34	25	23	27	30	C	33	40	43	48	C	27	24	26	14	23
10	24	30	19	23	17	33	C	22	26	37	43	C	C	31	42	22	13	18
11	24	31	25	25	19	25	29	26	28	32	33	42DS	47	29	26	25	15	25
12	21	27DS	22DS	22	20	14	C	22	28	32	C	26	36	30	34	22	16	25
13	28	C	35	23	20	23	28	27	27	34	41	31	47	B	R	9	15	C
14	C	R	C	27	19	21	24	28	31	34	37	23R	S	30	R	28	17	19
15	C	R	28	C	18	18	26	30	30	35	E2	40	35	22	24	22	16	17
16	32	31	28	23	21	C	25	27	28	31	31	39	42	27	31	15	17	28
17	22	27	29	25	17	C	26	33	28	31	34	38	41	28	30	25	13	21
18	33	R	27	22	25	23	11	28	R	33	27	C	37	31	23	20	8	21
19	24	17DS	30	25	18	30	21	23	32	33	35	28	39	C	26	19	15	15
20	C	27	C	21	24	29	24	23	32	50	41DS	28	C	19	34	19	9	C
21	47	17	31DS	22	22	28	C	27	31	42	27	43	37	38DS	C	14	14	10
22	R	21	23	25	22	30	25	27	R	E2	26	53DS	37	36	25	16	13	20
23	39	17	23	27	14C	24	30	19	3	34	33	39	B	37	17	22	17	17
24	45	31	26	25	22	24	23	26	33	E2	41	S	42	R	25	C	14	16
25	41	26	24	22	18	26	17	21R	30	C	39	C	29C	38S	27	19	17	17
26	38	23	23	20	19	41A	22	24	33	E2	C	41	45DS	26	26	C	17	19
27	27	30	C	17	21	24	26	30	34	23	S	S	30	37	22	20	13	23
28	41	C	28	21	22	23	20	23	38	25	30	36	27	38	28	19	18	16
29	31	8	23	22	18	24	25		35	E2	40	26	46	39	26	19	20	24
30	27	22	22	C	22	25	18		R	E2	R	40	33	29	24	19	27	19
31	34	33		21		23	12		C		R		B	30		19		17
C	24	25	25	29	30	28	28	27	24	23	21	22	23	27	27	29	30	29
M	33	27	25	23	20	24	24	25	30	34	39	37	36	31	26	22	16	19

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.10 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	27	26	18	30	C	36	27	26	28	21	7	14
02	C	24	8	C	C	E2	28	22	28	20	11	10
03	31	26	18	28	36	28	28	36	24	19	C	C
04	24	27	20	30	36	30	36	38	25	C	10	18
05	24	19	19	28	C	33	R	25	25	20	16	17
06	32	17	17	28	28	37	38	34	23	C	22	12
07	24	18	16	28	35	34	R	36	20	20	20	13
08	28	14	24	25	C	38	36	26	26	15	14	16
09	25	16	22	26	E2	38	32	39	24	13	17	15
10	16	16	C	32	34	37	32	18	22	16	18	19
11	28	14	21	38	C	38	27	35	24	18	12	12
12	30	16	20	B	34	38	R	20	24	18	24	12
13	32	12	20	20	28	31	R	30	21	18	22	15
14	26	17	22	28	34	34	R	38	24	6	17	17
15	28	16	24	35	36	30	38	C	22	16	17	18
16	38	15	23	28	26	36	40	32	23	17	8	15
17	C	19	25	30	36	35	31	20	24	12	16	6
18	36	20	22	35	26	R	36	R	17	16	12	14
19	24	16	29	32	C	34	26	27	20	14	2	13
20	24	19	28	E2	R	21	30	C	C	16	5	13
21	32	18	32	38	R	25	30	32	31	20	13	12
22	28	24	24	30	28	16	20	23	23	16	14	8
23	25	B	28	28	30	38	24	39	24	13	8	9
24	30	22	R	30	34	28	R	38	22	4	14	18
25	G	25	29	26	32	24	37	32	18	12	8	6
26	C	28	27	32	30	32	22	24	20	16	8	8
27	27	31	27	22	30	A	28	32	20	8	9	18
28	23	C	19	36	26	36	29	36	24	14	10	C
29	21		31	35	28	32	27	34	20	13	16	18
30	18		25	36	28	28	18	29	16	20	18	22
31	20		24		36		28	26		C		18
C	27	26	29	27	22	27	25	28	29	28	29	29
M	27	19	23	29	29	34	29	31	23	16	14	15

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.88 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	16	C	20	18	18	19	G	24	28C	24	28	32	48	22	43	12	13
02	C	13	B	22	17	18	22B	G	21	25	28	24	22	19	27	30	10	13
03	C	16	13	34	13	18	23	G	30	25	23	C	23	25	26	34	8	10
04	C	15	B	28	13	C	22	G	21	32	26	29	21	26	28	18	10	10
05	C	14	B	20	15	17	23	G	18	24	29	26	27	26	28	12	9	11
06	C	B	C	16	13	17	23	G	C	29	29	29	26	29	30	26	11	19
07	C	B	33	20	13	16	23	G	R	26	22	31	23	27	20	16	8C	14
08	20	B	26	17	15	15	24	G	20	29	27	26	30	21	18	18	14	16
09	21	14B	29	18	15	23	27	C	26	22	23	R	C	23	24	20	7	14
10	23	12	35	18	14	28	C	G	22	21	29	C	C	20	28	19	15	15
11	22	20	32	16	16	20	22	G	21	24	31	22	B	23	31	16	9	20
12	18	14	22DS	18	13	9	C	G	24	23	C	22	B	27	22	18	9	19
13	21	C	24	18	14	14	26	G	24	22	32	21	62	B	25	19	8	C
14	C	B	C	24	12	17	20	G	25	25	27	31C	0B	28	22	20	10	15
15	C	14	21	C	14	14	18	G	25	23	27	22	23	17	25	21	7	12
16	20	B	21	17	16	C	16	G	30	23	29	29	24	22	22	21	10	22
17	20	16	25	18	14	C	19	G	25	23	25	21	26	28	26	23	8	14
18	11	24DS	21	14	12DS	18	22	G	26	20	25	C	23	R	23	20	11	18
19	18	22DS	21	17	11	19	17	G	24	22	25	28	22	C	B	12	8	13
20	C	15B	C	16	20	20	15	15	28	22	24	29	21	30	28	11	15	C
21	B	13	24	16	11	20	C	17	23	25	28	27	21	25	C	13	8	12
22	20	11	17	17	15	23	18	16	24	23	24	26	21	17	33	16	10	17
23	12	15	B	19	8C	19	20	17	B	21	24	29	29	29	21	16	10	15
24	18	14	19	17	18	19	15	20	24	26	28	33	23	27	19	C	15	14
25	13	14	20	16	15	21	15	15B	23	C	26	C	26C	25	14	15	11	15
26	21	12	23	14	14	33	17	21	25	25	C	32	27	24	15	C	10	17
27	20	8	C	14	13	19	12	26	28	E2	26	29	26	22	16	13	7	23
28	20	C	20	15	14	17	16	20	30	22	24	29	27	31	35	18	10	16
29	20	14	19	16	11	16	18		27	32	25	27	28	26	34	16	39	19
30	17	14	21	C	16	25	13		33	33	25	30	30	25	38	14	19	17
31	11	16		16		19	8		C		29		B	22		15		16
C	20	24	21	29	30	28	28	9	27	28	29	25	25	28	28	29	30	29
M	20	14	21	17	14	19	19	20	24	24	26	28	26	25	25	18	10	15

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.88 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	14	25	14	20	C	22	22	22	16	22	8	18
02	C	20	5	C	C	20	23	24	18	20	12	14
03	24	21	17	20	20	18	26	20	12	16	12	C
04	20	25	16	27	21	24	26	25	22	C	10	24
05	15	16	14	22	C	24	34	21	28	20	14	20
06	26	14	24	22	22	19	29	20	22	23	15	12
07	15	18	20	24	21	26	24	27	22	27	12	20
08	20	16	13	24	C	21	22	22	24	9	14	14
09	18	12	14	22	18	25	24	28	24	20	12	16
10	20	14	C	22	26	26	28	20	19	18	10	19
11	19	14	19	24	C	26	22	23	22	18	18	16
12	18	12	16	B	20	18	22	19	20	21	15	20
13	21	12	16	20	21	24	26	22	21	18	20	16
14	18	14	16	20	18	21	34	20	24	16	20	14
15	22	16	18	16	24	20	25	C	16	38	13	19
16	27	18	22	22	18	17	32	24	18	16	12	19
17	C	24	20	19	21	A	26	16	15	18	16	13
18	30	20	16	20	24	B	26	B	14	14	12	16
19	15	38	25	22	C	22	30	20	18	16	4	19
20	15	14	22	24	17	25	42	C	C	13	8	17
21	2	18	20	20	20	20	B	26	15	18	12	G
22	24	18	19	26	23	18	41	28	11	18	14	G
23	22	B	20	22	21	24	36	29	18	17	8	G
24	34	18	B	22	17	23	25	26	19	12	8	G
25	G	18	20	24	24	22	22	24	25	20	4	G
26	C	21	22	24	22	23	22	26	18	18	8	G
27	18	20	20	24	24	28	22	23	18	16	11	G
28	15	C	22	20	25	36	24	23	12	22	12	C
29	11		25	24	23	22	24	26	14	14	15	G
30	11		19	21	21	18	20	21	12	20	16	G
31	16		19		22		22	18		C		G
C	27	26	29	28	25	28	30	28	29	29	30	19
M	19	18	19	22	21	22	25	23	18	18	12	17

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 5.80 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	C	9	12	12	21	G	15	25C	19	22	27	29	16	13	11	11
02	C	C	C	11	12	13	25B	G	13	19	19	27	42DS	16	16	13	12	14
03	C	C	C	17	12	13	25	G	15	17	18	C	17	21	19	14	7	12
04	C	C	C	15	7	C	25	G	15	17	15	19	26	23	21	14	13	11
05	C	C	C	8	12	12	23	G	17	16	22	21	22	21	21	13	8	10
06	C	C	C	8	8	12	21	G	C	21	20	22	24	15	18A	14	10	14
07	C	C	26DS	15	9	15	21	G	R	23	21	34DS	20	20	14	12	9C	11
08	C	C	19	12	11	11	25	G	14	19	42	24	B	17	16	15	7	16
09	C	C	20	11	12	18	26	C	18	19	23	18	C	17	40	15	12	13
10	C	C	14F	11	10	21	C	G	17	16	51DS	C	C	18	25	16	7	13
11	C	C	17	3	15	16	24	G	15	21	19E2	27	B	30	19	15	10	14
12	C	C	5	7	10	7	C	G	18	19	C	14	B	21	17	16	10	17
13	C	C	B	12	11	12	26	G	17	19	21	19	B	B	18	17	8	C
14	C	C	C	18	8	13	20	G	12	31	23	22C	B	24	17	16	11	16
15	C	C	14	C	10	12	22	G	16	18	48DS	25	17	23B	16	18	13	15
16	C	C	13	10	14	C	20	G	21	20	17	28	20	16	17	20	10	19
17	C	C	13	11	11	C	23	G	17	18	27	25	20	25	19	20	14	15
18	C	C	15	9	13DS	12	21	G	22	18	16	C	27B	22S	15	15	15	14
19	C	C	6DS	12	7	14	17	G	19	19	17	22	25	C	B	15	8	14
20	C	C	C	11	12	19	17	G	21	18	21	20B	26	20	24	13	11	C
21	C	C	12	14	7	18	C	G	14	19	19	30	24	22	C	15	9	13
22	C	C	14	13	15	16	20	G	14	19	19	20	21	16	15	12	11	16
23	C	C	B	14	10C	15	23	16	B	17	17	20	25	25	15	14	13	15
24	C	C	11	11	11	17	16	16	15	21	15	28DS	30	19	15	C	5	15
25	C	C	11	12	8	18	14	15B	15	C	20	C	19C	20	10	15	9	15
26	C	C	17	9	10	26	14	14	22	25	C	28	29	16	11	C	8	17
27	C	C	C	13	10	18	14	24	18	19	B	31	25	18	10	11	6	19
28	C	C	13	9	10	14	15	17	19	F2	27	23	26	26	11	17	8	17
29	C	C	14	10	10	15	18		17	31	26	19	26	23	12	12	11	16
30	C	C	B	C	12	13	12		24	23	16	22	21	21	12	15	19	11
31	C	C		9		17	9		C		15		B	18		14		14
C			18	29	30	28	28	6	27	28	28	26	23	29	28	29	30	29
M			14	11	10	15	21	16	17	19	20	22	25	21	16	15	10	14

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 5.80 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	14	22	16	17	C	24	18	16	15	20	6	G
02	C	16	4	C	C	19	18	14	12	19	8	G
03	16	20	18	21	20	26	20	18	17	15	8	G
04	11	17	18	15	20	27	15	20	14	C	6	G
05	14	20	15	18	C	24	20	16	13	16	11	G
06	18	12	13	16	19	27	22	17	15	19	G	G
07	14	12	14	20	20	27	15	20	15	11	G	G
08	15	14	20	20	C	22	18	20	16	12	G	G
09	14	10	18	18	14	26	20	20	13	11	G	G
10	17	12	C	17	19	22	24	6	21	14	G	G
11	15	12	19	24	C	27	27	27	22	14	G	G
12	14	12	16	B	14	24	B	21	22	16	G	G
13	16	10	14	20	16	17	26	25	20	15	G	G
14	14	12	20	21	15	20	28	24	20	9	G	G
15	16	14	20	16	20	24	29	C	16	10	G	G
16	22	12	22	22	12	21	26	28	18	13	G	G
17	C	20	19	18	18	22	28	34	16	14	G	G
18	20	18	19	16	28	B	30	B	14	12	G	G
19	G	17	20	17	C	27	24	26	14	12	G	G
20	G	22	20	22	18	31	16	C	C	10	G	G
21	G	22	22	18	20	18	30	23	16	11	G	G
22	24	22	18	21	23	22	A	19	16	10	G	G
23	26	B	18	18	22	30	S/C	26	15	10	G	G
24	C	16	B	20	22	26	26	15	17	8	G	G
25	G	18	18	18	20	28	23	16	16	14	G	G
26	C	19	22	21	24	26	26	24	16	16	G	G
27	18	16	20	24	26	28	18	17	18	8	G	G
28	22	C	20	19	18	28	20	20	14	14	G	G
29	14		22	22	18	25	20	20	14	10	G	G
30	13		22	18	18	21	15	18	15	15	G	G
31	18		16		22		15	18		C	G	G
C	23	26	29	28	19	29	28	28	15	29	5	
M	15	16	19	19	25	25	21	20	29	13	8	

GENOVA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	41	23	39	C	52D	42	38	41D	71	54	44	30
02	C	45	35	47D	54	42	30	38	C	57	42	C
03	44	39	C	47	49	40	39D	38	C	49	31	34
04	C	37	C	53D	48	43	C	35	C	51	34	49
05	47D	38	36	50D	68D	43	C	38	72	51	34	20
06	C	47D	39	50	47	43D	C	38	74	49	34	31
07	55	55D	55D	50D	52	47D	38	37	64	52	34	49
08	50	47D	38	47	48	42	39	39D	72	48	35	32
09	58D	55D	39	53D	49	43D	36	C	76	48	34	36
10	44	53	57	41	C	49D	36	C	75	45	41	34
11	44	38	42	61	51	53D	47	49D	73	44	C	C
12	55	39	31	37	51	42D	47D	36	74	45	32	46
13	55D	31	39	35	52	43D	38	37	73	77	33	34
14	53D	40	41	51	48	47D	36	39	71	49	41	33
15	53D	50	46	61	54	42	36	39	C	77	33	32UC
16	55D	31	40	61	77	38	36D	C	71	55	30	C
17	39	55	42	61	67	35	C	39	C	47	22	C
18	39	50	38	39	48	32	37	C	71	48	39	39
19	36	31	52D	33	C	45D	C	39	C	53	31	39
20	47	35	52D	61	46	37	32	33	C	C	26	C
21	40	31	52	61	42	43D	36	37	64	C	20	38
22	39	31	46D	61	C	37	33	36	67	47	23	36
23	50	33	49D	41	46	40	41D	75	64	46	30	33
24	50D	34	C	61	45	36	41D	71	67	37	28	40
25	28	31	36	51	46	37	38	75D	74	46	38	33
26	39	55D	C	53D	49	36	39D	71	69	41	34	33
27	33	30	52D	53	44	41	39	71	C	41	34	34
28	31	40	52D	C	42	37	47D	75D	69	31	33	28
29	53		49D	41	48	C	39D	71	63	C	30	29
30	44		52D	37	45	42	C	74	56	40	37	28
31	29		46D		47		C	73D		47		32
C	28	28	27	28	28	29	24	27	22	28	29	26
M	44	38	42	50	48	42	38	39	71	48	34	34

GENOVA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	40	55	47	56	C	47	42	47D	48D	37	32	31
02	44	55	64	56	44	45	42	45	38	33	32	37
03	48	51D	54	52	46	46	39	53	42	29	35	43
04	47	51D	47	60	46	45	52	47D	36	31	37	41
05	47	55	C	50	60D	43	56D	41	42	29	C	R
06	41	40	42	52	50	45	45	45	40	31	56	27
07	39	51	49	58	52	43	61	41	42	31	37	33.
08	49D	53	47	60D	56D	49	62D	48	34	30	43	C
09	38	42	45	48	54D	49	62D	42	38	30	43	42
10	51D	C	49	50	52D	49D	62D	39	33	24	52	33
11	46	40	45	49	52D	51D	57	43	26	34	35	C
12	43	37	53	59D	54D	49	62D	43	37	29	37	C
13	48	C	42	51	52D	49	62D	53	31	28	54	C
14	49D	38	42	45	52	45	42D	43	38D	26	44	C
15	46	C	45	42	45	53D	47D	35	29	20	43	C
16	49D	40	48	51	51	45	42D	43D	37	26	27	34D
17	50	48	50	50	50	43	52D	45	37	24	27	25
18	50D	51	44	42	51D	C	50D	C	37	28	26	34
19	47D	45	60D	45	50D	53	52D	47D	33	26	27	42
20	48D	C	50	47	49	61D	52D	43D	36	31	29	36
21	47D	42	60	45	48	53	52D	43D	38	30	26	41
22	47D	51	51	60D	48	50	52D	52D	34	27	29	36
23	49D	46	52	50	51	C	52DD	52D	34	29	20	34
24	46	50	60D	45	48	50	38	52D	34	26	28	23
25	48	41	50	50	50D	64	52	52	40	29	19	31
26	48D	44	56	36	50	49	50	52	35	26	29	36
27	47	43	52	42	48	51	44	50D	34	30	31	C
28	47	47	52	48	37	48	C	38	37	C	27	33
29	44		51	42	50D	52	44	46D	37	30	34	43
30	36		49	C	50	48	C	51	26	31	C	42
31	46		54		48		40	52		28		C
C	31	24	30	29	30	28	29	30	30	30	28	23
M	47	46	50	50	50	49	52	46	37	29	32	36

GENOVA

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	50C	76	50	85	C	63	77	88	62	69	50	58U
02	54	84	77	65	76	68	86	76C	71	56	52	61
03	90	74C	67	70	77	81	84	86	63	53	68	R
04	68	81	61	74	78	92	76	98	72C	61	44	68R
05	65C	77	C	87	79	83	93	85	68	69UC	40C	R
06	55	63	53	80	80	81	84	92C	65	56	41	R
07	58	70	64	90	83	81	85	79	68	56UC	45	R
08	76	70	65	86	84	97C	90	89	72C	46	48	C
09	36C	53	67	67	81	89	88	93	63	70UC	47	R
10	79C	56	63	71	88	93	86	79C	76C	71	59	R
11	68	53	65	71	88	98	92	85	63	66UC	45	C
12	54	49C	56	92	78	96	95	86	49	49	59R	C
13	80	C	48	66	80	86	85	83C	42	65	74R	C
14	68	49	74	72	77	94	97	91	53	69	64	C
15	69	59	66	76	74C	99	68	91	51	57	36C	C
16	93D	55	70	65	73	95	93	100	52	63	43	63UR
17	81	68	71	71	82	67C	90	86	68	46	41R	40R
18	95D	79	74	72	86	C	87	C	39	47	36R	R
19	93	50	74	76	81	70C	93	107D	70	41	36UR	R
20	86	C	65	77	68	86	88	94	60	54	43UR	54R
21	65	75	89	76	65	88C	90	97	67	52	R	R
22	66	73	82	83	86	87	76	101	43C	52	38R	54R
23	66	62	71	81	72	81C	79	106C	70	55	49UR	54R
24	57	76C	104D	80	71	82	86	93	67C	36	48	R
25	92	60	70	78	84	82	87	92C	73	45	48	R
26	91D	62	60	64	69	86	86	99	65C	74	68	R
27	77	76	68	70	73	77	75	105	70	59	40	R
28	45	75	86	61	74C	89	82	90	79	C	47R	61R
29	45		70	81	57	92	70C	83C	67	43	41	51
30	39		75	76C	70C	85	73	77	58	54	C	R
31	52		62		89		84	86		47		R
C	31	26	30	30	30	29	31	30	30	30	29	25
M	68	69	68	76	78	86	86	90	66	55	47	R

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	8F	6F	72DB	17	27	48DB	16	29	53DB	48F	41DB	11	28D	33DF	58DB	30U	39UC	31
02	65DB	7F	71DB	30	21	52DB	51DB	24	35	49DB	55DB	55DB	4F	49DB	57DB	34D	67DB	56DB
03	F	3F	69DB	50DB	57DB	51DB	27	23	C	63DB	51DB	21F	F	C	B	43DB	C	25U
04	6F	F	18F	18F	26	33	29	23	58DB	56DB	30	7F	13F	13	22UF	62DB	58DB	60DB
05	F	9F	73DB	26U	23	34	28F	40DB	35	58DB	16	11	12	14	51DB	35	36	33
06	20U	B	58DB	27	26	42	B	53DB	58DB	55DB	36	F	12F	8F	43	45D	40	66DB
07	17	F	54DB	22U	54DB	B	54DB	38DB	61DB	56DB	11	52DB	14F	38DB	36	35D	33	33
08	9	F	F	22F	49DB	47DB	30	30DB	63DB	40DB	10	18D	31DF	20F	40	43U	27	49
09	6	F	50DB	28U	27DB	31F	40DB	30DB	40D	28F	8	43DB	48DB	18F	35DB	40	29	31
10	6	F	36F	26	25	49DB	23	49DB	61DB	31DB	8	15	48DB	14	44DB	40DB	31	64D
11	4	18UF	12	59DB	59DB	27	21	52DB	61DB	34UF	10	26	28	20F	29	33	29	28
12	19	F	28DB	25	58DB	33	21	49DB	62DB	F	18F	19	14	22F	40	22	27	41
13	15	64DB	33F	31	29	29	19D	58DB	62DB	R	21D	C	10F	35DB	40D	42D	36	49D
14	F	F	53DB	30	28	50DB	28F	59DB	42DB	R	54DB	9	11F	28D	39D	21F	33	33D
15	16F	F	29	61DB	27	23D	32F	35	40DB	53DB	53DB	11	22F	15	34	35	27	28
16	F	F	33	31	25	31	26	59DB	48D	52DB	38D	21	F	35F	23	29	31	32
17	F	F	29	56DB	52DB	34	26	61DB	58DB	56DB	27DB	6	15UF	21F	30	25	30	36
18	7	B	32DB	24	52DB	29	51DB	62DB	43DB	60DB	12D	8	28F	26	56DB	24	29	30
19	9	F	30D	32	56DB	25F	37D	60DB	57DB	61DB	25	10	21	28	55DB	37	30	68DB
20	28F	C	47DB	B	35	24	36D	63DB	53DB	62DB	18U	F	52DB	30F	26	35	36	45
21	47DB	64DB	55DB	28	34	33	23	B	51DB	54DB	19	10F	9F	32F	29DB	44	54D	51D
22	C	B	B	23	24	40D	35D	B	57DB	39N	18U	48DB	29	29F	22	33	36U	49
23	22	F	64DB	26	32	45DB	33D	50DB	52DB	37	10	16F	30D	28F	23	58DB	30	37
24	12F	B	55DB	38D	34	17	53DB	57DB	53DB	45DB	11	32D	7F	53DB	25	41U	48	51
25	22UA	F	56DB	37	26	32DB	41D	C	56DB	36DB	49	11	47DB	52DB	52DB	30	38	52
26	2	F	40	28	28	50DB	24	35	51DB	16	21D	18	12	53DB	57DB	31	35	72DB
27	18F	F	37	33	44D	34	20F	37	52DB	55DB	12D	22UF	49DB	52DB	58DB	C	40	60DB
28	14	34UF	34	32	57DB	40	26	52D	56N	54DB	7D	9F	18	52DB	49D	C	41D	46U
29	16	25	B	37	53DB	42DB	21		40	49DB	32DB	55DB	13	51DB	39	C	40	34
30	F	F	14DS	35	29U	31	21		57DB	56DB	10U	14	16	53DB	54DB	C	46	33
31	31	F		34U		42DB	20		39		53DB		12	51DB		C		33
COUNT	24	13	29	31	30	31	31	27	30	27	31	27	29	30	30	26	29	31
MEDIAN	16	34	47DB	30	30	34	28	50DB	53DB	53DB	18	16	16	30	40	35	36	37

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.0

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			48DB	22F	23	45DB	F	41DB	29	13	21	10	8UF	14F	23	16	C	28
02			15UF	12	16	29	38DB	F	24	13F	25	23F	14F	32D	24	20	C	39
03			47DB	8	45DB	44DB	29F	F	C	13	19	10F	6F	C	24UF	42D	C	26U
04			6	36DB	16	19	27F	F	51DB	24D	12	2F	2F	3	11	27	36	55DB
05			28UF	4	15	31F	F	45DB	20F	50DB	14U	3	7	13	24D	13	24	30F
06			64DB	14	12	27	36DB	45DB	27	12U	12	F	1F	4	19	18	21	44
07		23	7F	33DB	42DB	B	40DB	45DB	49DB	15	8	F	7F	18	14	22	22	29U
08		5	9F	14DB	23F	23F	20DB	27	31DB	14	3	9F	F	16F	20	20	23	37
09			C	9	44DB	22F	39DB	26U	24F	11	7	17F	50DB	C	25	18	20	32
10			12	9	11	44DB	35DB	38D	47DB	14	6	9F	22	4	27	17	20F	43U
11				26DB	40F	15F	18F	41DB	16D	4	15	14	10	12UF	12	18	22	F
12			14	16	49DB	17F	17F	29	F	8	12	10F	6F	9F	16	28U	18	26
13			17U	15	21	19F	F	45DB	37DB	9	22U	C	3F	21U	27	26	21	38D
14		15F	33DB	11	16F	29	28DB	42DB	17	7	17	8	2F	17	26	16	19	29
15			12	18	10F	15	F	18	38DB	28	50DB	3F	6F	12	18	18	20	22
16			10F	14	32	6F	21F	45DB	29DB	24S	14	7	8F	11F	11	12	22	32
17			11	25	29	23F	F	52DB	43DB	25D	33DB	-5	8UF	6F	17	21	19	26
18		26	11	9	22	18	31F	56DB	43DB	55DB	7	F	27F	13	23	22	23	26
19		4	17	13	25	24	F	53DB	41DB	52DB	7	-6F	15	12	26	25	17	49
20			16		21	43DB	F	41D	23	32	13	4UF	47DB	16	11	23	25	35
21		9	6F	15	12F	29F	F	31DB	32F	14	5	4F	10F	13	12	33	40	44U
22		8	30DB	12F	19	29	31DB	B	39DB	19	4UF	27F	12	16	10	22	26	31
23		10		16F	7	31	F	23D	49DB	22	8	6	20	9	11	29	19	33
24		20		31DB	22	10F	42DB	B	24	14	3	21	-1F	48DB	12	F	33	39
25		12		12	11F	45DB	19D	C	43DB	13	C	9F	49DB	16	R	25	37	35
26		6F	14	20	11F	43DB	8F	18	42DB	9	3F	4F	4	49DB	36D	C	24	62DB
27		5	30	19	11F	9F	16F	21	27	21	7F	15F	30	47DB	41D	C	34	42
28		12F	21	22	45DB		23	29	19	22D	16	F	10	29	23	C	40	31
29		6	40DB	16	45DB	21F	F		12	12	F	56DB	8	46DB	22	C	30	31
30		3F	17		10F		F		19	27D	11	-8F	5	34	31	C	40	29
31		1		9F			23		14		52DB		7	34		C		32
COUNT		16	25	29	30	28	20	24	29	30	29	25	30	29	29	24	27	30
MEDIAN		8	16	15	21	26	28	41D	29	14	12	9F	8	16	22	22	23	32

IBADAN

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	64	60	C	64	77	76	62	62C	75	90D	70	58	61	79D	C	66	78	67
02	65	62	83D	70	70	68	61	74C	78	C	79D	58C	58	71	72	80D	66	69
03	73	68	83D	74	73	68D	75	67	D	80D	72	C	70	76	74	71	64	70
04	62	54	71D	70	73	59	60	60C	74	78	72	66	63	58	77D	66	63	68
05	56	52	82D	66	74D	66	60	65C	75	72C	83D	72	58	66	70	74D	66C	70
06	62	C	83C	71	66	56	69	69	69	68C	74	64	56	70	68	64	60	62
07	57	C	82D	67	71C	56	63	77C	80D	D	70	82	70	66	C	64	60	60
08	61	C	80	72	74	56	62	72	D	72	72	67	68	68	74	66	62	58
09	54	57	80	80	67	71	60	62C	D	68	64	62	76C	66	78D	70	60	66
10	66	56	66	74	64	68D	59C	67	72D	72	C	C	62	70	68	68	60	78D
11	60	66	84D	72	68	60	59	83D	72	72	68	70	71	75	81D	71	58	62
12	56	60	D	C	82	65	60	67	78	70	66	66	66	68	76D	69	60	62
13	62	57	D	84D	70	58	61	67	78	62	66	62	60	66C	81D	70	59	C
14	55	68	72	D	66	58	70	63	75	72	58	84D	64	72	75	D	58	62
15	57	62	76	73	61	62	69	71C	68	C	69	70	54	70	74	77	60	64
16	C	C	76	80	65	D	62D	70	81D	67	64	C	64	76D	71	68	60	56
17	58	62	77D	D	68	79D	64D	D	74C	74	58	56	60	70	D	C	62	57D
18	58	74	D	74	C	62	67	73D	68	70	60	58	57	C	71	70	62	59C
19	64	68	76D	D	C	D	64	69	77	64C	59	62C	61	63	59	86D	63	57
20	73	62	85D	81	62	76	61	63C	81D	72	60	54C	71D	59C	62	C	61	C
21	64	62	D	76	66	68	68	64	74D	70	60	65	57	75C	62	71	C	60
22	65D	64	82	80	62	68	59	62C	C	70	59	62	56	C	81D	76	56	66
23	76D	78	81	D	70	56	69C	69	D	68	C	66	76	70D	C	74	62	68
24	64	68	68	D	77D	66	56	76	74C	72	64C	62	66	81C	69	85D	64	55C
25	64	76	78D	74	C	62	63D	63	80	68	63	58	64	73C	74C	63C	70	57
26	74	72	77D	D	69	68	62	D	82	74	63C	C	C	83D	72	78	70	63
27	62	C	75	85D	72	77D	55	73D	81	81	62	C	C	64	64	66	68	59
28	58	D	70C	80	59	68	67	63C	D	86D	60C	60	87D	C	70	70	66	52C
29	58	68	76	D	63	64	58		77	85D	C	65	83D	77	64C	72	64	58
30	50	74	80D	83	58	64	58		C	69C	56	62	68	70	64	68	D	58
31	60	D		66		66	67D		D		57C		D	68		C		58
COUNT	30	26	29	30	27	31	31	28	29	28	28	25	29	28	27	28	29	29
MEDIAN	62	65	80D	78	68	66	62	68	78	72	64	62	64	70	72	70	62	62

INVERNESS

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.17 MHZ

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01											40	37DB
02											32	14
03											29	27
04											30	43UB
05											29	46UB
06											34DH	60DB
07											30	56UB
08											30	46DB
09											28	60DB
10										24	28	60DB
11										27	28	60DB
12										27	26	50DB
13											32	60DB
14											33	30
15										28	33	37
16										30	23	55DB
17										30	29	55DB
18											30	45US
19											30	36
20										28	25	50DB
21										29	25	38
22										28	36	39
23										37	36U	24
24										50DB	30U	29
25										33	31	C
26										46	32	C
27										33	32	31
28										34	30	27
29										31	55U	30
30										36	63UB	26
31										C		28
C										17	30	29
M										30	30	41

INVERNESS

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.17 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	34	60DB	C									
02	45	35	C									
03	34	40U	C									
04	29	52US	C									
05	34	38U	C									
06	40	38	C									
07	50DB	40	C									
08	50DB	30	C									
09	50DB	29	C									
10	55DB	38	38									
11	57DB	25	36									
12	54DB	28	32									
13	47	29	40									
14	42	39	30									
15	55DB	52DB	34									
16	48UB	52DB	35									
17	60DB	60DB	33									
18	60DB	55DB	34U									
19	33	45	40									
20	54DB	29	32									
21	44	33	40									
22	47	42	40									
23	40	35	44									
24	C	36	60DB									
25	57DB	33	37									
26	50DB	48DB	36									
27	35	45										
28	40DB	57DB										
29	38											
30	50DB											
31	53U											
C	30	28	17									
M	47	39	36									

INVERNESS

PERIOD NOON UNITS 0.1 DB FREQUENCY 4.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	157	273	C									
02	202	154	C									
03	144	210	C									
04	181	238	C									
05	151	175	C									
06	189	210	C									
07	191	199	C									
08	209	157	C									
09	232	171	C									
10	258	190	218									
11	218	157	194									
12	232	152	190									
13	215	193	180									
14	192	180	192									
15	239	220	228									
16	229	222	178									
17	254	298	226									
18	248	246	188									
19	170	224	222									
20	245	155	238									
21	228	194	234									
22	198	187	254									
23	169	203	242									
24	C	201	600DB									
25	235	152	224									
26	210	218	262									
27	182	202										
28	206	196U										
29	209											
30	197											
31	236											
C	30	28	17									
M	209	197	224									

INVERNESS

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.02 MHZ

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01											20	18
02											19	18
03											15	16
04											15	16
05											18	14
06											16	28
07											14	24
08											14	21
09											17	24
10											13	26U
11										16	15	27
12											14	25
13											15	25
14											15	15
15										17U	15	17
16										19	12	20
17										20U	14	A
18											16	18
19											17	19A
20										16	11	20
21										19	14	18
22										14	16	16
23										16	18	10
24										22	14	14
25										15	14	C
26										22	13	C
27										17	16	11
28										14U	12	13
29										18	22	18
30										15	22	14
31										16		12
C										16	30	28
M										17	15	18

INVERNESS

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.02 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	16	27	C									
02	20	15	C									
03	14	21	C									
04	18	24	C									
05	15	18	C									
06	19	21	C									
07	19	20	C									
08	21	16	C									
09	23	17	C									
10	26	19	22									
11	22	16	19									
12	23	15	19									
13	22	19	18									
14	19	18	19									
15	24	22	23									
16	23	22	18									
17	25	30	23									
18	25	25	19									
19	17	22	22									
20	24	16	24									
21	23	19	23									
22	20	19	25									
23	17	20	24									
24	C	20	60DB									
25	24	15	22									
26	21	22	26									
27	18	20										
28	21	20U										
29	21											
30	20											
31	24											
C	30	28	17									
M	21	20	22									

IRKUTSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
					1957							1958						
01					C	C	32	50D	B	41B	S	42B	42	C		C	31	29F
02					C	C	30	C	35	B	B	38S	32	S		C	36	26F
03					C	S	39	26	37	B	26	34S	C	B		C	35	50D
04					C	8	27	38	C	41	34B	33	35C	B		30B	20	B
05					C	F	27	40	C	34	42B	36	C	B		28	32UF	28
06					C	32	34	35	C	B	14	55B	37S	S		21	38	33
07					C	29	22S	37	8	39R	18S	33	38C	S		25	20	24
08					C	23	27	41S	34	B	36B	B	C	B		32UF	16	31
09					C	29	36	37S	S	C	27	B	C	S		C	15	C
10					C	34	34	37S	31	44B	34	A	C	S		S	25	30
11					C	C	B	C	F	39B	38	31	C	S		18B	16	25US
12					C	29	B	B	25P	42	34	33	C	S		50D	12	30F
13					C	B	B	B	39	33B	S	32S	32S	S		29	C	22UC
14					C	B	B	B	D	35	25	27	B	50D		20	33F	21B
15					C	B	B	B	27	37	13	37	37S	S		21	36	C
16					C	A	29	B	21	32B	C	37	32	50D		29	41S	F
17					29	32	S	36	D	B	25	28	37B	50D		25	21F	32B
18					39	22	C	29	35	22US	18	31	31C	B		20	38	C
19					30	B	42	35	31	4	35	B	31	S		27UC	24	C
20					C	B	50D	24	1	5B	S	27	35UB	50D		36	26F	C
21					C	36UF	B	B	B	26B	34	27	C	50D		20	21F	C
22					50D	B	47	B	S	29	37	34	C	S		30	21F	17UC
23					C	B	B	B	B	C	C	29	C	50D		27	20	B
24					C	B	50DA	4	B	B	C	32	32	50D		F	C	24
25					50D	B	31	3	B	29	C	B	32	50D		25	20UC	40US
26					36DC	B	B	S	B	15	24	B	29	S		26	23	C
27					33	A	34	S	B	12	32	B	25UC	C		F	22	19
28					28	B	64	C	28	33B	31	32	B	C		24	22	23
29					50D	B	B		C	32B	33	S	B	C		C	21	21
30					31	38	34		B	34	28	17	C	C		24	29F	36F
31						37A		B	32		B		C	C		29		23
COUNT					10	24	29	24	24	28	24	28	19	14		23	28	23
MEDIAN					31UC	38	42	39	35	35	34	34	35	50D		26	23	28

IRKUTSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	F					20	22B	C	BS	23S	37S	F
02	B					21S	29F	C	39B	11S	4F	B
03	38US					25	23S	C	50D	12	F	F
04	B					21C	21F	29	50D	19S	7FS	22
05	37					18	17UC	29	B	19	F	C
06	23C					C	27B	32	B	27S	F	33
07	24UC					25B	24	29B	C	26S	F	26F
08	29					25	22B	29S	C	S	F	21
09	24					23B	27FS	29	C	18S	11SF	23FS
10	B					23	B	27S	38S	50D	18S	F
11	B					34	29US	24F	50DS	22	S	F
12	C					26	C	31B	15S	5	40FS	26F
13	B					24	29	B	44	13S	50D	17
14	25					21	B	B	23	11S	C	29F
15	C					17	5B	50D	11	21S	31FC	50DB
16	23					25	B	14	26	14	C	10
17	21UC					18F	C	50D	C	F	21	23
18	16					C	B	50D	26	16S	20	22
19	13					26S	B	C	8C	11	F	25
20	26					24US	B	B	16	2FS	F	FS
21	31					23	B	50D	17	28FS	F	F
22						24	B	S	28	C	F	18F
23						31B	C	B	B	F	F	18
24						24B	C	B	24	16FS	F	FS
25						25	C	50D	23	FS	F	11
26						29	C	B	25	F	15F	37
27						21C	C	B	27F	C	15F	F
28						28UB	C	B	24	FS	F	C
29						24C	C	B	28	23	F	F
30						24UC	C	S	21	22FS	F	F
31							C	B		24F		F
C	18					28	20	25	26	22	12	18
M	29					24	19B	50D	24	19S	19	23

IRKUTSK

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.6

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01					C	C	16	33	B	31B	B	33B	C	C		C	30	29
02					C	C	19	C	21	B	B	32US	C	S		C	B	30
03					C	S	C	30	21	25B	C	31S	C	B		C	26	50D
04					C	0	27UB	23	C	25	R	34B	C	B		20B	27	B
05					C	F	39	32	C	23S	B	R	C	B		B	33S	23
06					C	17	14	36	C	B	R	30B	B	B		41B	28	36
07					C	26	23	28	C	R	B	50DS	C	B		41	25	31
08					C	0	26	30	S	B	B	B	B	B		35	24UC	31S
09					C	16	23R	34	S	S	C	B	C	S		C	22	C
10					C	25	30	S	18	B	30	A	C	S		34	24	37S
11					C	C	B	C	F	B	R	27	C	20UC		31B	30B	38
12					29	15	B	B	S	31S	29	S	C	50D		50D	32F	26
13					C	B	B	B	47	29	R	37S	B	S		35	C	24B
14					34	B	B	B	11	31	34	34	B	50D		35UC	32F	35B
15					C	B	B	B	13	26	R	27	S	50D		29	B	C
16					C	A	1S	B	14	20	C	R	R	50D		36	28S	F
17					24	38UC	37S	25	15	B	32	50DS	B	50D		27	F	B
18					9	48UC	C	27	R	38	B	R	34C	20		24	32F	C
19					17	B	26	15	30B	31	22	B	B	S		28	22F	16F
20					C	B	30	32S	17	25	S	50D	45	50D		29	32	33
21					C	35	B	B	B	28	R	35	C	S		29	29F	C
22					50D	B	36	B	S	32	R	B	C	S		35UF	25	35UC
23					26	B	B	B	B	C	C	35S	C	S		31B	21UF	B
24					C	B	37	26S	B	B	C	23R	B	50D		F	C	18S
25					50D	B	35	16	B	F	C	B	B	50D		24	24	31US
26					27	B	B	S	B	B	C	B	B	S		26	25	C
27					24	A	50D	S	B	20	33R	B	B	B		26F	36F	21
28					15	B	14	C	34	B	34	23R	C	50D		20UC	31	24US
29					50D	B	B		C	B	35	B	B	C		C	33B	30
30					S	30	30		B	R	R	32B	C	C		37	38	25
31						22	B		31		25F		C	C		33		S
COUNT					12	24	29	22	21	27	23	28	16	22		25	27	24
MEDIAN					24UC	38	36	33	21	31	32	34	B	50D		31	29	31

IRKUTSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	F					28S	29S	C	B	35S	24S	F
02	B					38S	3B	C	B	35S	F	B
03	34UB					28US	31B	C	50D	28S	F	F
04	32B					35S	34B	35SB	50DB	30S	14SF	14
05	BS					30	29US	39S	B	38FS	F	25
06	30F					C	28B	37	B	23S	F	SF
07	CS					B	29SF	33	C	16SB	F	18
08	29B					B	27B	20	C	S	F	24S
09	19US					31US	24US	37	C	B	31FS	F
10	35B					28	B	39	38	36S	32	F
11	B					24B	B	41	50DB	31S	S	F
12	C					30B	B	36BS	39	28F	FB	22F
13	B					38S	S	B	BS	29S	S	18
14	24					35S	B	B	33F	26S	B	29F
15	C					BS	B	50D	20	21S	F	50D
16	26F					20S	B	B	28B	20S	F	B
17	26					27	C	50D	29	F	25	23FB
18	21					C	B	50D	37FS	F	13F	F
19	17					30	B	C	30SB	19FS	F	28F
20	24S					38S	B	B	25	21S	F	FB
21	28					38	B	50D	38S	F	F	4F
22						36	B	S	29	C	FB	F
23						37S	S	B	B	FS	F	F
24						32B	C	B	32	16FS	F	FS
25						31S	C	50D	31	FS	18F	FS
26						34C	C	B	28	F	25S	16S
27						31	C	B	34	C	F	F
28						B	C	B	39SF	FS	F	C
29						33C	C	B	38	FS	F	F
30						35	C	BS	31	20F	F	F
31							C	50D		F		F
C	17					28	20	26	27	19	11	15
M	24					31	B	50D	29	26S	25	23

JOHANNESBURG

PERIOD NCON UNITS 1.0 DB FREQUENCY 1.8 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01											53			54				64
02										60	61	55						
03							58			58		56			37	57	70	65
04							66					48	45	52	55		60	61
05								49	60		51	44			44		54	62
06									57		43	53		52	48		53	
07									65		54			48			58	
08									54	54	50			53	57	60		
09							44				50	46	C		50			65
10								52		44		53	C		49	59	51	
11									57	51		48	C	49			52	
12								55	58		44	40		46	63	66	50	
13									56		46	37		52	66		64	54
14							59		60	44	45			50	63	57	53	
15										37								55
16										51			41		54	65		
17									68	44		27	37		66	66	50	42
18								54	50	45	38	48		63			55	43
19							68	46	68	48	38	61		61	53		62	54
20							74	52		39	44	37		43	48	61	62	
21										46	44			47		68	61	
22										43				47		54		56
23							66			42		49	42					
24									73	39		40	44		52	60	63	
25									69	37		49		63			63	
26								56	59		40	55		62			62	
27								50	64		40		42	44		55	55	
28									72				67			60	51	
29										44	45			52		52		
30							52				40		57			61		
31									55				63					
COUNT							8	8	17	18	18	18	9	18	15	15	20	11
MEDIAN							62	52	60	44	44	48	44	52	53	60	56	56

JOHANNESBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01											47			38				48
02										46	48	29						57
03										44		31			36		55	47
04							47					33	28	36	32		50	44
05							49	50	44		44	33			35		48	41
06									47		33	33		38	38		36	
07									48		45			33			50	
08									46	44	36			36	35	39		43
09							44			41	43	37	28		34			46
10								44		44		33	32		35	41	37	
11									51	40		34	34	31				54
12								36	46		36	27		33	53	54	47	
13									46		35	27		36	53			53
14							45		47	37	35			34	53			
15										40						56		42
16										40			31		36			
17									51	38		25	29		52			50
18								44	42	47	34	31		39			40	38
19							57	38	51	35	33	40		35	36		44	42
20							47	41	64	34		25		29	34	43	43	
21									52	33	35			30			43	
22										29	36			41		49		50
23							52			38		33	29					49
24									59	39		29	30		39		48	47
25									50	39		34	31	41	49		48	
26								42	53	35	32	34		38			47	
27								39	51			30	33	38		45	43	
28									65				42				37	
29											31			41		43		
30							48				32	30	39			48		
31									45				45					
COUNT							8	8	19	19	17	20	13	18	16	9	16	16
MEDIAN							48	42	50	39	35	32	31	36	36	45	46	47

JULIUSRUH/RUGEN

PERIOD NCON UNITS 1.0 DB FREQUENCY 3.2 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
	1957											1958						
01	49S	54D	44	30R	21	17	23	18	24	31D	36	41UC	39	C	36	C	21C	A
02	49D	46D	46	32	18	23	22	30	28	31	39S	38	C	C	37DB	C	A	22
03	46US	28	37DF	37UC	19	20	21A	31	43DB	31	34	40S	35	C	33	A	18UA	14
04	C	39	35D	39R	20	21	24A	23	22	25	35	40	39DB	C	38B	33UG	15UA	20S
05	45	37S	45	35R	21	14	28	24	21	31	35	41S	41	C	36DB	B	15	15
06	43	43	45D	25R	19	24	22	21	32	29	34	42D	33	C	28	C	17S	23
07	37	37F	33	24UF	20	40	23UA	29	C	B	36S	34US	44	C	24	36C	15UA	20
08	43	44DB	33F	R	19	17C	23	30	28UN	28	37	42D	38	C	19UC	33DC	18	25
09	40	40UF	36US	27S	18	C	20A	26	27R	26	35	42	44DB	39	36	24UC	14	27
10	37	39U	40S	26	19	34	33	24C	28	30	29	38	36S	C	27US	29UC	16A	26UA
11	38C	30F	37	28R	17	21	30	F	28UA	32R	28	42	41DB	33	29US	19UC	15	29
12	50	34	29US	R	18	19	26A	24	25AR	31US	32	43DB	41UC	34	32	C	17	36
13	41	29UC	35S	R	19UA	17	25	25	26AR	36	32US	C	43	29	31B	C	17	16A
14	39	33	36F	R	20	C	24	19	29UR	34	48US	44UB	34S	40UB	27	C	18	22S
15	32	40	38	R	18S	15	24	25	29	29	49DB	49	40US	37B	31C	C	20	21
16	36	F	37US	R	18	22G	23A	17	26R	33	45	43DB	44F	34DB	C	23C	16	35
17	38S	39US	39	R	20	24	27	26	33R	28	29	47	39S	34DB	C	21UC	17	17F
18	39	41	45D	R	20	26	23	20	28	31S	24US	35	40S	34DB	26US	21C	27	20
19	39F	33US	36	R	16	19	31	19	34R	27	35	46	35S	27	24S	20A	18A	16F
20	41	25S	27	R	18	30	25	23	R	29C	33	31	43	32UC	26	C	17A	27A
21	36	S	38S	R	21A	27	26	22A	33R	C	28	40	42	33	31S	34A	16	16A
22	40UC	28S	26	R	19	28	28	28S	50DB	C	35S	34	43F	33	32US	16	17S	S
23	C	39US	36S	R	19	27	30	27	B	C	FS	42UC	41	38DB	30S	B	19	17
24	46D	32	40	RA	18	17A	20	32	36UR	C	39	C	39	37	30	17	18	16A
25	38	34	37	R	16	27	26	24	32A	C	31F	35	36S	43DB	C	21A	C	15US
26	38	31S	39S	F	22	44D	16	32	33UR	C	38	30	43S	37US	C	20A	C	A
27	39S	26UF	33	F	25	15UC	18	29A	42DB	C	35	44	43	40UB	31	27	C	16
28	43S	34DB	35S	F	19F	18	24	24A	R	C	35	43S	C	B	30R	26	20S	14UC
29	37F	37	28S	F	20	17A	25		R	C	35	37	C	43DB	32S	34	15	16A
30	40D	31S	35	28UR	21	18A	30		R	C	32	36	C	33B	S	17	30	18
31	43DS	29F		R		C	16		R		36F		C	35		23UA		15
COUNT	29	29	30	20	30	28	31	27	21	18	30	28	26	21	24	21	26	28
MEDIAN	40	37	37	R	19	21	24	24	28	30	35	41	10	37	30	23	17	19

JULIUSRUH/RUGEN

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.18 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	21S	33	26R	36US	34	A	37S	39B	36	23C	18	16
02	24	26	34R	23S	35	38UB	36US	S	30	25B	C	15
03	25	18	26R	27	35	40DB	33	40US	29	22	S	16
04	24	26	26R	28S	33	36US	32S	UB	27S	21	18DB	20
05	21	25	22UR	28	B	30	41UB	29S	C	22	22	23B
06	A	24	28R	31	38U	24	C	35US	S	25UB	19	18
07	25	24	A	34	38	37DB	31	S	31A	23	21UB	16
08	31	26	28R	35S	36	B	B	39UC	26	24DB	22DB	16
09	C	21	27R	34	38DB	40UB	UB	36S	25S	23	22DB	S
10	29A	23	26R	30DB	B	36	31DB	C	28	A	17	15
11	27	17	24R	29	40DB	35	34DB	30UC	34UC	19	19	13A
12	20	18S	28R	41	B	35C	C	36	27UA	17A	16	16UB
13	22	17	25UA	30	42DB	32B	36DB	39	28	17A	S	20UB
14	17	24	19UG	29	B	34	S	39	29	S	18UB	17B
15	24	26	23UR	25	29US	B	29US	C	22	A	16	20
16	23	29	R	30	30	35	33DB	S	C	17A	16	19
17	27	31	23UR	34	B	35UB	34DB	36US	24S	17A	16US	16
18	33	32	24UR	33	37	C	34DB	UB	25	A	17	21DB
19	32	24	R	32	S	34US	33DB	S	A	16UB	S	18
20	33	20	R	32	33S	34UB		S	24	A	16UC	20
21	28S	21A	R	33S	38UB	B		39	31S	15	14UA	20
22	31	26	R	C	34	C		41	26	17	20	17
23	27	24F	R	30S	B	B		S	24F	A	17	16
24	42	27	R	32C	38DB	39DB		C	25US	17S	23	14
25	42S	22	R	31US	38UB	34B		37S	37S	A	20	15
26	37	26	R	31	34B	38S		33	25S	18S	B	20S
27	C	28	R	34UB	33	36		B	35	C	13	19
28	21	26	R	33	32	32		32	35	19B	10	20
29	24		R	35S	36UB	32		C	C	15US	16	20
30	20		R	35S	38DB	29S		26UC	C	18	17	29
31	22		R		31			30		S		23
C	28	28	16	28	29	27	14	18	24	22	25	30
M	25	25	26	32	37	35	33DB	36	28	19	17	18

KJELLER

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	42S	38	38S	34S	20S	26S	C	36S	40S	47DS	46D	38S	42S	38S	39S	47S	41S	35S
02	44S	C	44S	36S	22S	35S	46S	B	51B	50S	50B	40S	40S	40S	42C	36S	31C	S
03	44C	47S	52DB	32S	22S	29S	42S	50B	B	36S	40S	37S	41S	46DS	42S	35S	28S	28S
04	36C	32S	48	36S	22S	48DS	48S	34S		38S	36S	38S	42S	38S	39S	32S	28S	S
05	37S	37S	58	36S		45S	C	38S	40S	52B	39B	44DS	C	28S	40S	34S	22S	41S
06	40C	41S	54C	28S	20S	47S	40S	40S		40S	35S	44B	C	33S	38S	31S	32S	S
07	32S	48S	47S	28S	33S	50S	44S		33S	B	34S	48B	C	38S	35S	35S	22S	F
08	44S	52S	41	24S	32S	40S	40S	52S	47D	44S	34S	33S	C	34S	36S	30S	28S	37S
09	S	40S	41S	32S	28S	47S	32S	54D	48D	34S	28S	40B	B	38S	43S	29S	20S	42S
10	38S	36B	48S	30S	30S	48S	33S	37S	34S	36S	34S	39S	B	39S	B	30S	24S	BS
11	38S	36S	44S	20S	34S	38S	41S	B	46S	37S	32S	43S	50D	42S	B	30S	28S	BS
12	38S	42S	39S	34S	22S	42S	38S	42B	31B	32S	30S	33S	40S	42S	35S	24S	19S	BS
13	38S	36S	42S	42S	26S	26S	34S		46B	30S	32S	42S	46C	42B	B	43S	19S	27S
14	40S	36S	43	42B	26S	26S	30S	42S	40S	35S	34S	32S	40C	46S	48S	34S	30S	20S
15	38S	40S	44	36S	30S	C	34S	C	45S	34S	37S	38S	38C	47S	42S	26S	28S	34S
16	32S	37S	38S	34S	21S	38S	30S	35S	B	B	35S	34S	37S	42S	32S	35S	20F	C
17	34SC	37S	42S	38S	31S	36S	43S	43S	B	30S	C	36S	38S	29S	B	24S	32S	22S
18	38S	36S	48S	34S	36S	29S	44S	42S	38S	40D	34S	34S	32C	37BS	44S	24S	36S	C
19	36S	38S	46S	41S	24S	44S	42S	40S	44S	29S	43S	40B	38C	40S	38S	28S	34S	C
20	29S	32S	30S	32S	35S	46S	43S	49S	45B	31S	39S	31S	35C	56DS	S	22S	26S	38S
21	38S	35S	58DB	34S	32DS	50D	51D		42B	39D	41S	38S	36C	46S	32S	25S	24S	28S
22	38S	33S	B	33S	34S	B		51S	41S	37S	31S	36S	32S	47S	36S	24S	22S	30S
23	C	37S		37S	31S	44S	46DB	60D	B	30S	34S	42S	35S	48B	34S	C	32S	28S
24	34S	42S	B	31S	25S	40S		B	42D	35A	36S	38S	35S	B	38S	40C	36S	F
25	35S	40S	46S	24S	28S	C	44S	52DS	34S	31S	37S	40S	32S	48S	40S	C	30S	C
26	35S	37S	BS	18S	38S	50B	38S	56B	44S	38S	34S	36S	37S	50B	B	C	30S	F
27	31S	27S	50S	18	44DS	39S	36S	48C	46S	31S	39S	36S	39S	48S	40S	27S	28S	F
28	20S	B	B	19S	44DS	32S	41S	44S	41S	34S	41S	32S	40S	B	35S	33S	40S	F
29	39S	42S	47S	22S	32S	C			41S	40S	31S	40S	37S	50S	40S	42S	42S	B
30	36S	38S	50S	26S	28S	35S	40S		54D	44	42S	38S	44DS	47B	42S	35S	47S	C
31	30S	51S		26S		42S			42S		36S		42B	46C		34S		C
COUNT	29	30	29	31	29	28	25	24	29	30	30	30	27	31	29	28	30	17
MEDIAN	38S	37S	47S	32S	28S	41S	41S	46S	44S	36S	36S	38S	39S	42S	40S	32S	28S	35S

KUHLUNGSBORN

PERIOD NOON UNITS 1.0 DB FREQUENCY 0.245 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	71	71	71	66	45	58	43	50	42	58	67	69	71	72	72	67	48	35
02	71	77	78	65	38	60	46	47	45	62	68	74	71	71	73	64	51	41
03	73	75	77	66	44	56	43	44	56	62	68	71	68	73	69	62	46	47
04	75	70	72	64	43	52	44	40	47	66	66	71	72	73	72	62	53	38
05	71	71	73	63	48	54	40	28	47	69	71	72	71	76	68	66	44	30
06	75	69	71	61	33	57	48	44	46	64	68	71	70	69	72	59	46	35
07		70	70	67	39	45	44	41	51	66	69	76	69	71	74	55	44	33
08	73	72	75	65	43	48	44	47	50	69	65	72	72	74	72	55	44	35
09	74	70	77	62	50	56	40	43	53	65	67	74	69	76	74	62	43	37
10	73	69	71	62	47	54	44	54	56	69	68	74	71	74	74	54	46	33
11	77	69	72	64	48	52	38	51	58	64	69	72	67	71	74	60	38	46
12	71	71	72	63	43	53	43	40	57	68	64	69	71	69	72	58	30	43
13	75	71	69	64	50	48	33	47	55	67	68	74	73	74	75	67	42	41
14	72	73	69	60	47	53	37	48	54	67	71	74	71	71	74	59	32	25
15	74	67	70	58	45	53	41	52	55	69	71	73	74	71	74	56	46	33
16	70	71	72	68	48	59	39	53	53	69	68	74	66	75	72	49	44	31
17	71	70	72	58	48	53	47	54	56	67	71	72	71	72	76	56	35	41
18	76	73	71	56	49	54	35	42	56	68	70	74	71	73	72	56	38	31
19	74	67	73	59	41	56	36	50	58	69	71	72	72	73	68	60	35	39
20	74	66	70	55	41	58	39	43	62	67	69	73	71	67	73	57	37	60
21	74	73	71	55	35	49	45	39	64	64	69	74	74	72	72	58	38	37
22	69	72	69	54	34	49	42	52	60	68	70	74	70	73	72	56	41	42
23	74	72	65	56	33		42	45	63	64	70	69	71	73	70	50	38	40
24	72	71	67	60	39	55	36	51	60	69	71	70	74	72	72	54	44	32
25	75	66	70	53	45	55	42	53	58	70	71	74	74	74	71	51	38	45
26	74	72	64	55	43	55	47	49	60		69	72	68	69	66	46	45	42
27	72	70	68	50	33	52	40	49	57	71	67	71	72	69	67	51	41	47
28	74	73	69	52	41	47	44	64	64	74	71	71	77	74	71	49	46	48
29	71	71	75	51	45	52	51		58	71	72	71	71	74	67	48	26	36
30	73	72	69	47	37	56	40		63	68	65	60	73	72	69	52	40	47
31	74	72		43		46	54		62		74		72	69		45		44
COUNT	30	31	30	31	30	30	31	28	31	29	31	30	31	31	30	31	30	31
MEDIAN	74	71	71	60	43	53	42	48	56	68	69	72	71	72	72	56	42	39

KUHLUNGSBORN

PERIOD NOON UNITS 1.0 DB FREQUENCY .245 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	44	50	56	74	67	67	74	74	73	63	43	44
02	37	39	54	70	62	69	71	74	70	60	42	40
03	42	44	54	73	66	70	71	71	69	58	51	42
04	51	49	55	73	66	68	74	74	74	57	47	40
05	48	45	54	66	67	71	72	73	69	64	50	42
06	40	54	49	66		70	76	73	67	65	49	42
07	35	51	54	67	68	73	74	74	71	65	50	45
08	37	50	42	64	65		74	73	70	64	50	45
09	38	52	49	62	67	71	77	74	72	62	38	40
10	33	54	54	69	66	74	76	73	71	63	47	41
11	48	50	53	65	68	74	77		70	63	47	37
12	46	53	54	69	69	74	75	73	68	53	28	36
13	49	48	56	69	71	70	73	77	67	54	43	40
14	54	48	60	63	62	73	73	78	73	62	45	53
15	46	47	58	67	67	73	74	73	71	58	35	39
16	46	52	59	67	68	73	76	74	71	53	30	46
17	40	50	58	63	70	72	72	70	67	54	40	37
18	35	45	69	67	64	74	72	74	68	58	38	35
19	35	45	67	65	69	73	75	74	67	58	32	34
20	39	53	58	63	66	72	71	70	66	57	49	42
21	45	49	56	70	65	70	73	74	69	58	46	43
22	47	45	55	70	65	73	76	70	67	53	45	47
23	40	49	63	66	64	73		69	64	51	49	38
24	50	44	67	65	62	74	76	74	67	57	44	37
25	35	47	63	69	70	72	80	73	66	56	44	38
26	53	48	58	67	67	71	78	71	61	54	44	44
27	50	40	60	69	69	76	78		65	44	44	48
28	45	55	63	67	71		76		61	40	46	40
29	37		64	64	70	73	76	74	63	43	51	31
30	43		62	67	69	74	76	72	65	41	35	41
31	53		62		69		72	72		47		32
C	31	28	31	30	30	28	30	28	30	31	30	31
M	44	45	57	67	67	73	74	73	68	57	45	40

KUHLUNGSBORN

PERIOD NCON UNITS 1.0 DB FREQUENCY 1.2 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	69	69	72	71	62	58	52	61	55	60		72	67	65	67	65	49	50
02	70	72	73	71	48	60	59	64	58	70		72	64		67	66	51	53
03	70	63	70	73	51	56	54	61	63	64		71	68		68	65	56	55
04	72	71	69	63	54	52	43	56	63	65	61	71	72	60	69	61	56	47
05	72	69	70	68	55	54	53	57	64	69	70	64	70		69	63	46	49
06	71	71	73	71	58	57	60	61	62	72		68	73		67	66	62	50
07	72	73	70	73	64	45	59	57	62	71		70			73	64	55	52
08	73	70	77	68	58	48	62	62	63	62	69	59		65	69	54	51	53
09	75	67	72	69	59	56	59	61	60	61		65	64	64	68	65	50	55
10	74	65	68	71	62	54	60	64	64	68	60	67		70	68	62	55	38
11	74	70	67	69	60	52	57	62	67	64	76	72	68	62	66	62	55	54
12	69	65	75	70	59	53	56	58	66	72		62	64	66	62	63	50	53
13	70	70	69	71	58	48	55	65	69	61		68	76	62	72	61	51	51
14	76	69	73	72	59	53	56	60		67	72	69		60	68	63	50	49
15	73	66	76	64	57	53	56	56		60	62	64	68	58	66	55	55	55
16	74	71	74	67	61	59	58	61	62	64	68	64	68	59	67		47	44
17	72	68	73	68	59	53	63	62	62	57		69	62	63	66	54	54	49
18	74	72	72	67	56	54	57	59	58	61			70	66	65		49	52
19	75	64	70	73	57	56	47	63	66	64			67	60	65	65	53	52
20	74	62	68	62	55	58	52	59	62	67	68	66	74	67	62	62	49	61
21	75	70	74	68	56	49	61	61	65	65		66	64	64	69	55	61	50
22	72	67	75	66	60	49	59	57		63	72	62	61	65	64	58	59	52
23	72	67	69	67	56		63	64		68	70		65	69	60	60	54	53
24	75	68	65	69	57	55	59	62	69	70	67	67	64	55	59		57	45
25	71		67	69	58	55	60	57	64	67	64	69		64	58		55	54
26	72	71	68	61	54	55	61	58	64			65	66	57	49	56	60	57
27	68	65	61	68	52	52	66	60	64	66	66	71	68	58	65	55	52	56
28	73	72	71	62	55	47	55	60	63	67	62		67	62	59	56	55	54
29	68	73	71	62	59	52	62		64	60	65		65	62		58	39	52
30	73	72	72	59	54	56	61		68	60	65	66	70		63	58	53	55
31	69	67		61		46	60		68		68		60	63				55
COUNT	31	30	30	31	30	30	31	28	27	29	18	25	26	25	29	26	30	31
MEDIAN	72	69	71	68	57	53	59	61	63	65	67	67	67	63	66	62	54	52

LINDAU

PERIOD NCON UNITS 0.1 DB FREQUENCY 1.7 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	428	544	496		422	483	673	C	507	529	551	543	C	473	458	389	391	C
02	535	453	589		317	500	577	566	728D	439	656	463	371	C	C	413	306	427
03	509	490	540		338	524	567	C	569	494	439	441	640	437	485	404	283	334
04	524	427	C		366	427	568H	404	417	537	494	478	459	436	478	409	C	451
05	511	408	607		371	399	655H	C	437	476	535	474	405	496	529	C	C	349
06	523U	472	631		400	571	687	C	C	472	426	467	416	516	452	252	343	457
07	434	487	591		472	509	641H	C	754D	545	479	749D	458	515	467	402	334	377
08	484	537D	578		376	333	612H	C	485	492	526	456	C	479	445	397	C	661D
09	C	524	500		459	512U	542	591	592	498	457	496	423	487	533	388	C	524
10	492	462	451		C	560U	573	389	465	421	443	470	460	470	583	365	227	498
11	422	433	609		347	528U	650	C	497	530	428	498	624	489	580	336	274	571U
12	510	442	585		C	409	683	457	C	433	408	409	556	470	455	285	C	514
13	584	435	620		428	424U	587	C	412	481	452	421	406	516	691D	419	350	494U
14	417	458	498		290	393U	669	C	C	491	431	C	429	514	580	353	C	484
15	444	401	446		341	408	696	541	C	C	418	488	424	528	548	377	360	496
16	412	419	565		346	426	585	425	C	477	434	441	377	570	511	353	289	542U
17	424	461	547		423	C	683	581	C	486	418	410	494	460	603	387	289	418
18	446	394	701D		330	536	571	593	C	423	485	392	430	582	484	355	416	522
19	458	431	589		287	380	581	517	C	414	450	502	427	523	441	415	225	393
20	496	332	519		363	579	563	530	759	398	477	C	379	395	421	379	224	649U
21	506	C	661	C	413	465	C	388	C	447	436	467	C	433	395	393	247	383
22	534	417	504	402	289	495	C	401	C	423	409	407	406	490	362	364	263	468
23	533	446	427U	C	349	474	C	553	C	443	433	431	483	529	380	429	483	290
24	439	C	514	418	391	505	C	C	C	503	422	416	377	581	448	432	411	349
25	455	391	624U	344	313	C	518	C	C	466	390	C	434	537	449	352	275	356
26	440	427	C	C	348	C	577	589	C	495	459	406	409	560	415	308	383	498
27	429	455	C	331	434	C	431	C	529	515	358	425	408	466	442	437	C	417
28	416	747	C	438	416	563	C	511	717	486	393	411	576	C	514	405	338	316
29	435	560	C	C	406	493	C		639	579	385	389	456	528	C	461	267	354
30	399	476	C	449	507	485	657		732	538	430	460	468	548U	418	C	522	340
31	491	601		417		502	C		C		445		C	602U		459		411
COUNT	30	29	24	7	28	27	24	16	16	29	31	27	27	29	28	29	23	30
MEDIAN	457	453	578	418	369	494	586	530	569	486	436	456	427	514	461	389	306	439

LINDAU

PERIOD NOON UNITS 0.1 DB FREQUENCY 1.7 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	528	645	C	552	467	393	377	437	573	340	306	411
02	542	563	490	520	458	440	412	452	C	363	339	384
03	562	495	577	462	444	435	373	491	437	389	311	520
04	558	623	555	502	432	C	403	482	479	C	367	446
05	461	511	445	455	602	392	606	527	465	C	306	603
06	520	435	426	511	514	385	468	482	C	346	551	558
07	469	475	442	581	477	385	411	470	C	401	470	480
08	538	554	541	566	513	393	503	495	C	423	608	480
09	550	372	479	418	507	451	392	C	370	341	593	525
10	598	361	420	523	767	495	510	418	406	290	540	506
11	579	355	425	498	590	530	496	C	290	461	519	377
12	588	251	480	725D	536	425	520	C	C	322	510	570
13	601	288	443	C	555	379	477	C	C	281	543	581
14	537	392	418	C	521	391	593	C	497	327	548	514
15	564	447	411	C	481	428	498	C	356	322	461	603
16	599	557	401	510	444	383	579	C	393	201	403	552
17	573	C	397	476	526	361	434	C	415	C	462	509
18	537	580	344	464	511	C	676	C	430	C	270	593
19	528	584	547	476	548	451	611	517	381	C	253	563
20	553	427	471	411	448	428	508	547	383	C	266	544
21	589	349	557	399	418	404	620	472	444	C	256	570
22	589	477	496	489	463	393	465	549	371	C	377	453
23	623	520	526	459	407	484	C	700D	278	C	273	373
24	606	C	765D	394	485	399	435	C	401	C	470	303
25	C	470	C	482	522	411	495	C	421	C	316	303
26	C	413	C	525	487	378	521	C	364	C	386	496
27	612	441	426	404	416	409	C	C	379	C	360	560
28	552	457	478	420	388	373	C	C	502	C	270	376
29	556		652U	C	476	353	472	438	297	C	491	516
30	531		520	464	452	358	467	555	342	467	509	540
31	593		555		430		461	506		353		539
C	29	26	28	26	31	28	28	17	24	16	30	31
M	558	464	479	479	481	396	486	491	392	344	395	516

LINDAU

PERIOD NOON UNITS 0.1 DB FREQUENCY 2.2 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	394	450	381		299	410	431	C	395	499	442	435	C	488	420	296	266	C
02	466	497	572		296	329	566H	408	711D	425	510	397	319	C	C	332	212EC	291
03	442	407	457		277	346	494	C	449	420	349	411	383	429	437	311	218	288
04	423	344	C		291	333	422H	262	301	403	367	426	468	416	392	317	C	344
05	422	347	420		243	341	472H	C	314	417	414	386	371	426	376	C	C	269
06	435	375	569		286	455	394	C	C	360	344	454	373	449	362	342	243	418
07	417	388	473		349	548	370H	C	493	393	434	728D	430	451	394	328	247	328
08	369	460	438		331	225	470H	C	341	372	426	415	C	450	377	304	C	441
09	C	401	456		298	551U	418	468	472	382	380	425	409	420	421	311	C	461
10	445	394	395		C	586U	499	320	351	305	359	402	472	362	391	388	150	367
11	415	342	478		272	459U	432	C	392	418	387	469	474	449	487	315	211	592U
12	448	364	460		C	286	459	367	C	368	347	378	415	430	344	306	C	520U
13	464	331	515		295	287U	505H	C	314	374	376	395	368	447	453	293	275	345
14	403	293	428		248	265	392	C	C	357	348	C	364	359	555	303	C	381
15	362	341	335		271	299	428	439	C	C	374	443	387	424	448	298	262	331
16	335	349	419		266	319	394	334	C	383	340	380	333	467	488	290	225EC	576U
17	355	333	431		269	C	417	531	C	377	382	363	367	405	490	309	207	338
18	365	362	589		301	433	378H	356	C	402	323	323	353	506	326	284	287	346
19	370	365	363		252	420	360	310	C	375	362	486	386	430	341	318	199EC	231
20	420	313	577U		289	598	331	385	596	372	379	C	331	383	370	302	170	652
21	384	C	456	C	321	493	479	248	C	395	390	386	C	366	352	289	196	292
22	462	346	387	365	289	535	563H	452	C	381	373	414	391	365	287	289	189	330
23	424	386	344	C	237	470	584H	384	C	335	388	364	443	478	286	350	340	208
24	385	C	386	370	263	418	513H	C	C	364	379	405	429	412	370	329	293	227
25	390	335	495	237	196	522	443	C	C	432	302	C	364	458	318	240EC	189	249
26	383	353	C	C	297	560	381	428	C	460	397	368	373	442	369	286	299	250
27	354	333	C	258	348	442	279	C	523	408	316	357	404	409	369	285	C	282
28	396	724	C	330	292	388	C	383	505	372	369	390	495	675U	338	331	254	218
29	374	355	C	320	280	401	C		368	446	436	391	423	456U	C	315	283	236
30	349	381	C	345	342	318	560		704	458	408	364	493	461U	298	C	484	210
31	390	473		244		457	C		C		360		551	470U		273EC		225
COUNT	30	29	24	8	28	30	28	16	16	29	31	27	28	30	28	29	23	30
MEDIAN	395	362	457	325	289	419	432	384	442	383	376	397	389	439	373	306	243	329

LINDAU

PERIOD NOON UNITS 0.1 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	351	623	C	397	358	431	503	504	433	342	224	313
02	413	453	540U	379	361	397	520	395	C	C	244	265
03	442	354	409	357	350	361	347	C	367	271	201	402
04	394	496	380	417	342	C	373	459	398	C	336	419
05	342	450	337	295	469	377	545	535	375	C	295	592
06	322	304	319	366	404	325	402	396	C	298	415	398
07	405	334	327	456	429	390	416	435	C	325	481	405
08	556	340	402	477	427	373	419	417	C	329	448	366
09	497	269	319	371	446	421	367	C	370	306	520	423
10	569	260	289	373	618	456	426	431	354U	278	454	352
11	579	269	359	395	492	445	436	C	257	315	413	276
12	588	172	367	521	463	394	464	C	C	290	423	499
13	601	246	323	C	467	279	457	C	C	318	445	492
14	537	294	326	C	544	389	463	C	319	288	407	424
15	564	365	301	C	377	443	463	C	369	308	300	498
16	599	410	308	411	405	395	515	C	362	238	300	561
17	573	C	349	400	394	405	451	C	343	C	335	358
18	537	463	220	354	415	C	586	C	293	C	216	461
19	528	399U	394	377	502	393	523	544	333	C	175	410
20	553	272	446	366	294	401	717D	543	371	C	191	350
21	527	329	486	349	409	392	C	447	365	C	203	402
22	544	321	380	338	411	359	427	443	357	C	288	322
23	554	366	398	327	405	446	C	649	276	C	221	285
24	614	C	749D	328	426	401	401	C	328	C	328	249
25	612	279	C	367	435	406	467	C	363	C	254	254
26	713UC	343	C	399	437	357	474	C	278	C	242	416
27	543UC	393	345	343	384	343	C	C	374	C	289	369
28	390	360	298	354	389	370	C	C	388	C	212	368
29	407		469	331	417	350	452	427	368	C	318	483
30	342		383	402	411	371	395	441	317	289	374	475
31	464		353		392		493	443		233		511
C	31	26	28	27	31	30	27	16	24	15	30	31
M	497	340	356	371	411	393	457	443	360	294	300	402

LWIRO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.07 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	50DB	49U	C	32	57D	49U	46	49U	57D	57U	C	53D
02	49D	50D	C	49D	53U	48U	41	49U	57D	57U	C	56D
03	50D	53D	49U	50D	54U	48U	45	57D	57D	51U	C	56D
04	48D	53D	53D	54D	C	48U	48U	56D	57D	C	C	C
05	C	53D	54D	48D	C	46	54D	57D	57D	55U	C	56D
06	48U	49U	49U	49D	55D	52D	49U	55D	54D	57D	C	56D
07	50D	50D	49U	49D	55D	48U	50U	57D	57D	55U	C	55D
08	C	49U	46U	48D	55D	50U	56D	49U	51U	55U	C	48U
09	C	C	49U	48D	55D	56D	55D	53U	57D	51U	C	50U
10	50D	52D	52D	48D	55D	51U	55D	57D	57D	57D	C	48U
11	52D	C	53D	49D	55D	56D	C	48U	56D	48	C	48U
12	C	52D	53D	49D	55D	55D	56D	57D	51UB	54D	C	52U
13	C	52D	51D	49D	54D	51U	56D	53U	57D	49U	C	48U
14	50D	50D	C	C	52D	46	56D	C	57D	57D	C	47U
15	C	50D	C	C	54D	21	53U	C	49U	52U	C	48U
16	48U	52D	50D	50U	55D	47U	51U	C	57D	57D	C	48U
17	50D	C	49D	55D	55D	50U	55D	C	56D	C	C	47U
18	50D	51U	C	45	50U	37	C	C	47U	C	C	47U
19	50D	54D	50D	53	52D	48U	55D	57D	57D	C	C	48U
20	50D	38	C	56D	56D	49U	50U	56D	57D	C	C	49U
21	52D	54D	50D	46U	56D	47U	50U	57D	C	C	C	48U
22	53D	C	C	49U	45D	50D	48U	51U	54U	C	C	48U
23	53D	53D	49D	49U	52D	52D	52D	57D	57D	C	C	47
24	52D	C	49D	55D	47U	47U	50U	57D	57D	C	C	48U
25	50D	48U	48D	54D	42	50U	56D	C	54U	C	57D	43
26	52D	50U	C	51	55D	50U	47	C	57D	C	56D	49U
27	52D	55D	49D	55D	53D	48U	53U	56U	57D	C	47U	50U
28	51D	51U	48D	54D	47U	53D	47	57D	51U	C	47U	48U
29	59D		C	52U	55D	C	48	54U	49U	C	56D	48U
30	48U		C	51U	46U	C	48U	56D	48	C	56D	48
31	53D		48D		48U		38	57D		C		52D
C	25	23	21	28	29	28	29	24	29	15	6	30
M	50D	50D	49D	49D	54D	49U	50U	56D	57D	54D	56D	48U

LWIRO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.38 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	50D	51U	C									
02	49D	52D	C									
03	50D	52D	51U									
04	45U	52D	54D									
05	45U	50U	46U									
06	50D	49U	43U									
07	50D	50D	47U									
08	C	49U	49U									
09	C	C	49U									
10	46U	53D	53D									
11	45U	C	55D									
12	C	50U										
13	C	48U										
14	50D	50U										
15	C	50D										
16	50U	52D										
17	51D	C										
18	59D	54D										
19	47U	55D										
20	51D	31										
21	53D	55D										
22	54D	C										
23	53D	52D										
24	48U	C										
25	50D	48U										
26	54D	49U										
27	54D	55D										
28	51D	52D										
29	50D											
30	49U											
31	50U											
C	26	23	9									
M	50D	50D	48U									

LWIRO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.83 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				25U	47U	38	34	46	56D	47	C	48U
02				45D	43	38	32	37	54U	50U	C	55D
03				50U	47U	34	37	42	56D	38	C	55D
04				46D	C	40	49	47D	54U	C	C	C
05				46D	C	42	43	49U	54U	44	C	53D
06				45D	53D	43	37	37	48U	55U	C	45
07				45D	43	39	49	48U	51U	49U	C	53D
08				45D	45U	42	47	46	47	52U	C	45
09				46D	50U	36	42	45	48U	42	C	38
10				46D	53D	49U	50U	50	49U	48	C	42
11				46U	53D	57D	C	35	48U	43	C	41
12			50D	45D	53U	47U	53U	47	52U	50U	C	45
13			39U	38U	48U	40	55U	39	46	46	C	46
14			C	C	44U	42	55D	C	48	43	C	42
15			C	C	46U	17	43	C	43	43	C	48U
16			47D	51U	53D	45	42	C	49U	26	C	40
17			47D	53U	52D	37	46	C	39	C	C	41
18			C	44	41	34	C	C	20	C	C	33
19			48D	51U	45U	42	46	49U	50U	C	C	40
20			C	43	44	38	39	48U	53U	C	C	41
21			49D	45	47	35	40	49U	C	C	C	19
22			C	47U	21	49D	40	48U	54U	C	C	42
23			47D	48U	45	42	42	57D	49U	C	C	39
24			47D	50U	37	43	42	50U	49U	C	C	36
25			44U	50U	43	46	49U	C	48	C	47	39
26			C	44U	47U	45	35	C	50U	C	55D	21
27			48D	44U	46	38	39	44	51U	C	41	42
28			C	47U	37	44	15	51U	45	C	33	43
29			C	47U	42	C	43	45	49U	C	47U	31
30			45D	44	28	C	41	51U	42	C	53U	34
31			42D		39		41	56D		C		48U
C			12	28	29	28	29	24	29	15	6	30
M			47D	48U	45U	42	42	47U	48U	46	46	42

LWIRO

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.37 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	C									
02	C	42U	C									
03	C	C	41U									
04	C	C	49U									
05	C	40U	40U									
06	C	42U	C									
07	C	39U	40U									
08	C	33U	44U									
09	C	C	C									
10	C	C	C									
11	C	C	41U									
12	C	C										
13	C	42U										
14	C	42U										
15	C	C										
16	36U	C										
17	40U	C										
18	36U	C										
19	C	45U										
20	41U	28										
21	39U	C										
22	C	C										
23	C	C										
24	C	C										
25	C	43U										
26	C	43U										
27	C	C										
28	C	40										
29	C											
30	C											
31	C											
C	5	12	6									
M	39U	42U	41U									

LWIRO

PERIOD NOON UNITS 1.0 DB FREQUENCY 5.65 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				28	32	20	23	26	33	32	C	
02					34		26	22UA	36U	36	C	33U
03				30	34	24	22	30	36U	30	C	C
04				26	C	28	24	C	A	C	C	C
05				32	C	24	28	27	31	37	C	32U
06				30	44U		26	26	29	31U	C	32U
07				36U	34	39	28	30	32	35	C	36U
08				32U	34UA	31	29	24	22	32	C	30
09				29	42U	28	29UA	31	23	35	C	30
10					37U	34	32	46U	22	36	C	28
11				30	36	32	C	29UA	29	34	C	30
12			32	31	38UA	31	31	24	29	36	C	32U
13			29	20	35	34	34	29	31U	34U	C	32U
14			C	C	34			C	30	32	C	32U
15			C	C	32		28	C	28	34	C	30
16			31	33	38U	35UA	30	C	24	37U	C	31
17			32	34	32	24	30	C	C		C	27
18			C	29	32	20	C	C	31	C	C	29U
19			32	33	30	33	30	22	26	C	C	32
20			C	30			34	26	32	C	C	32U
21			38U	30	26	23		30	C	C	C	30U
22			C	31	24A	C	28	28	32	C	C	26
23			30	32	27	21	28	36U	33	C	C	28
24			C	34	22	28		33	32	C	C	29
25			32	31	23	32U	30	C	28	C	34	30
26			C	31	22	32UA	30	C	34	C	40	22
27			C	30	27	28	29	36U	36U	C	30	31
28			28	38U	22		26	35	20	C	30	31
29			C	31	22	C	32A	26	33	C	36U	32U
30			30U	28		C	30	40	37U	C	36U	32U
31			28U		22		24	36U		C		32U
C			11	26	27	21	26	23	28	15	6	28
M			31	31	32	28	29	29	31	34	35	31

LWIRO

PERIOD NOON UNITS 1.0 DB FREQUENCY 8.19 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				C	12	6	10	16	20	14	C	C
02				12	12	10	10	13	18	14	C	8
03				12	13	12	8	13	21	14	C	26
04				8	C	14	11	19	20	C	C	
05				13	C	8	12	14	16	18	C	14
06				14	16	10	10	14	13	14	C	10
07				20	12	8	10	13	16	12	C	14
08				14	10	10	12	12	16	18	C	10
09				13	14	11	10	15	17	15	C	10
10				14	18	12	14	14	14	14	C	8
11				10	14	12	C	14	12	13	C	8
12			20	16	17	12	15	22	14	17	C	8
13			17	6	16	10	15	14	14	14	C	9
14			C	C	9	8		C	14	12	C	10
15			C	C	13		16	C	13	14	C	10
16			16	12	16	10	10	C	11	16	C	14
17			16	14	14	8	11	C	13	C	C	7
18			C	10	10	8	C	C	14	C	C	12
19			12	11	10	10	14	20	14	C	C	10
20			C	15	11	8	15	14	14	C	C	7
21			18	11	9	10		19	C	C	C	5
22			C	12	9	16	10	16	14	C	C	3
23			12	16	12	7	8	21	14	C	C	4
24			C	14	10	12		13	14	C	C	8
25			C	12	8	10UA	14	C	12	C	6	8
26			C	12	10	18U	14	C	14	C	16	4
27			C	10	10	10	9	18	13	C	0	9
28			C	12	8	10	10	20	14	C	0	2
29			C	11	9	C	11	12	16	C	6U	10
30			C	11	8	C	10	22	14	C	10	10
31			10		10		C	22		C		11
C			8	27	29	27	25	24	29	15	6	29
M	C		16	12	11	10	11	14	14	14	3	10

LWIRO

PERIOD NOON UNITS 1.0 D8 FREQUENCY 8.19 MHZ*

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				C	12U	15U	11U	11U		13U	C	C
02				9U	11U	9	11U	10U		14U	C	C
03				13U	11U	9U	12	11		14U	C	C
04				13U		5U	9		8U		C	C
05				9U		12	7		11U	11U	C	C
06				9U		12U	10		12U	11U	C	C
07				C	10U	11	11U	15U	11U	13U	C	C
08					13U	10	11U	13U	10U	9U	C	C
09				C	8U	11U	11U	11U	12U	13U	C	C
10				C		11U	9U	12U	13U	13U	C	C
11				12U	10U	10U	C	13U	11U		C	C
12				5U	8U	11U	C		11U		C	C
13				11U		9	9U	13	10U	11U	C	C
14				C	11U	7	12U		14U	12U	C	C
15				C	10U	9			13U	14U	C	C
16				6U	9U	11U	12U		15U	13U	C	C
17				10U	9U	11	8U		14U	C	C	C
18				14U	11U	12U	C		15U	C	C	C
19				13U	12U	10	11U		11U	C	C	C
20				9U	10U	12U	5U	13U	14U	C	C	C
21				12U	12U	10U	12U			C	C	C
22				11U	11U		12U	14U	14U	C	C	C
23				7U	7	11	13		13U	C	C	C
24				10U	10	7U	10		15U	C	C	C
25				11U	10	9U	8U		14U	C		C
26				11U	12U		9U		14U	C		C
27				10	12U	9	13U	11U	14U	C		C
28				8	11	12U	7		13U	C	26	C
29				8U	10		11U		10U	C		C
30				11U	12		11U		14U	C		C
31					11U		C			C		C
C				23	26	26	26	12	26	13	1	0
M				10U	11	10U	11U	12U	13	13U	26	C

* FROM RATIO OF SECOND TO FIRST ORDER ECHO

MOSCOW

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	54		50S	A	A	25A		37	46	41UA		47UA	44S	40	42	20	36	41A
02	53	53	53	A	34A	27H	51UH	53A	44H	40		52S	42	43	48	42	43A	38UA
03	60DB	47	59	A	37A	30A	56UH	C	40	39		47	47	53S	44	38A	17	39A
04	46	45	48S	49	39UA	31	53UA	44H	44	38	48S	45S	46A	49	41A	37	17	26
05	51	45	63H	60S	37A		38UH	59	36	38	52B	B	40S	46S	48	44UA	31A	
06	56	45	64H	49H	32A	58UH	51UH	50H	37	40H	42UA	47S	48A	43	44A	34A	29UA	49A
07	56	45A	66B	48H		53H	50H	C	50	44UA	45A	44A	60	47S	44	39A		43A
08	50	43	64A	33		54H	54H	66	40C	42A	49UA	B	40A	56	44	18		48A
09	46	39	64A	42		49H	52H	57H	53	44	40A	57DB	42UA	50S	53A	40A		42A
10	45	44	49	45A	43A	59H	57H	49UA	48	41	44	39	62	46S	48	42A	15	38A
11	41	40A	52	C	44A	58UH	45H	61	C	43	44	47	57S	50	C	38	16	51A
12	48	32	52A	C	45C	50H	45H	56H	54	42A	38A	41S	48S	49S	50A	31	31A	43UH
13	50	36	50A	41A	46	47H	48H	63UH	45A	38	C	C	44	C	50A	34	32A	31UA
14	A	34	53B	C	60B	33F	52H	58S	36	36UA	42A	42A	49S	53S	B	37	32A	54UA
15	C	32	54A	C	A	41UH	46H	B	42	C	46	46A	48	49A	47A	36	32A	43UA
16	50	33	44	42H	51UA	50H	46H	55H	42C	42	46S	42A	45A	52	42A	30	25A	43UA
17	51	C	50A	44H	61UH	48UA	40	47H	45	41A	44UA	40	42A	49	52A	38A	24A	38UH
18	50	35	54	41UA	47A	61UH	51H	48H	42A	44	40	46	39	69S	45	52A	18S	38
19	49	33	49S	38A	53UH	40H	53UH	44H	50	36UA	42A	50	48S	52	43	36	37UA	26A
20	48	34	42F	37A	50H	63UA	47H	45UA	62B	38S	44	46	45S	52	32A	52	34A	24A
21	40	36	45	45A	44H	H	50UH	63H	40UA	36UA	48A	39	43	47	C	44	30UA	12
22	54	42	53H	A	48H	57UH	49	59UH	45	37	49A	43A	38	51	41A	37A	27	36A
23	42	40	50H	39	58UH	47UH	46H	58UH	55	40	50	48A	43	C	37	C	33	33UA
24	53	44	43S	44A	48B	57UH	45H	61A	57B	44	46	43	44	46	44A	39A	24UA	32A
25	38	44	45	41A	48H	H	43A	62H	35UA	39UA	51	42	C	50A	23	42	28A	32A
26	36	35A	49S	44A	48H	57UH	C	70DH	64B	45	45UA	46C	57B	48A	39A	31	26A	36A
27	40	38	56A	37	59B	60DH	42H	60H	40A	46	46	43	48H	50A	17	31	35A	30A
28	C	38DB	63B	36A	46UH	49UH	52H	47H	39A	46	46A	49	56B	51A	37A	47UA	C	31UA
29	47	45	C	33C	65UH	63H	43H		47UA	45	44	46UA	48S	C	41A	46UA	36A	16
30	36	42	52H	C	39UA	44UH	36		51	56B	47A	43	49S	47	44UA	39UA	40UA	C
31	49	49A		C		44H	23		40		44		48	48		33UA		42UA
COUNT	28	29	29	21	25	28	29	25	30	29	27	29	30	28	28	30	22	27
MEDIAN	49	41	52	42	47	49	50	58	45	41	45	46	46	49	44	38	32	38

MOSCOW

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.8* MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	1958 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	36*		49A	A				C	45	39		44A	40A	44	29	18	35UA	R
02	46	39	47A	36A				C	50H	44A		44S	39	44	38	42A	33UA	36
03	56D	45	50	37UA				C	42	37		47UA	42S	56S	39A	31	13	R
04	39	37	39	34				C	42	35A	38S	42A	38	44	39A	34A	32UA	R
05	42	29A	57F	46				56	42R	29C	56B	46A	44A	42S	40A	31A	22	
06	43	35	53H	A				C	45	46A	35UA	43A	43	42A	43A	30A	36A	R
07	38	34A	58	A				C	54H	A	44A	37A	60	45S	35	46UA		R
08	38	40A	59A	28				C	46A	38A	52A	54B	42A	46	18	36R		R
09	44	31A	58A	44A				C	46A	34A	36C	45A	43UA	44A	40A	36A		R
10	36	37	52S	43				C	44A	41	38	43A	50	46A	28	18	22UA	R
11	39	38A	57	C				C	C	45A	40A	42UA	53A	43	C	38A	34UB	R
12	38	27A	53A	C				50A	52A	38A	58B	40	43	44	56	33	R	R
13	46	27A	40	48UA				54H	45A	43	C	C	44A	C	41A	42A	31B	R
14	36	35	42UA	C				48A	42A	36A	40A	42A	42	50	B	40A	R	R
15	C	29A	48A	C				38A	39	C	44A	45A	51B	36UA	41A	17	R	11SR
16	45	A	36A	C				51H	54BA	37C	43UA	37C	39A	47	35A	27	R	R
17	46	C	47A	44H				40H	42	39A	40A	38A	38	41	46A	37A	31B	32H
18	39	45	55R	50UA				46H	39	40A	40	42A	37	62A	41A	16	17	R
19	40	39A	58B	45UA				44H	42	39A	38A	41A	43	52	31	22N	R	R
20	38	33	49A	A				42A	55B	36C	39A	41	46A	46A	34	42A	34R	R
21	37	33	54B	32UA				49A	45	36UA	39A	34	44	40	C	16	R	24
22	40	43R	48A	35A				52H	48	42UA	42A	47A	46A	32	40	16N	36UA	34
23	37	33A	44A	A				54A	42A	32C	40A	45A	38	C	41	C	40R	R
24	45	37	52R	44A				55H	41	32C	38A	45A	43	40	37A	36R	26R	R
25	37	45S	46A	40A				52H	36	40A	40	42A	C	43A	36A	29	43R	R
26	38	28A	49R	37UA				70D	39	45	43A	C	47S	44A	38A	26	22R	27
27	36	33	C	A				52H	37	41	35	42C	44A	40A	38	25A	30R	R
28	C	55B	56B	39A				52H	38S	40A	37A	41S	44R	40	18	19	C	C
29	40	46	C	33A					39A	40	36A	42A	41	C	18	38	36A	25
30	40	40	49H	C					59	52B	44A	40A	47A	44	36UA	37A	46A	C
31	42	45A		C*					46A		35		45	41		32A		32
COUNT	29	28	28	18				18	30	28	27	28	30	28	28	32	18	
MEDIAN	40	37	50	39				52	45	39	40	42	43	44	38	30	32	

* SAMPLING FREQUENCY FROM JULY THROUGH OCTOBER 1957 WAS 3.0 MHZ INSTEAD OF 2.8 MHZ.

MURMANSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	8A	F	56	62	36	C	36	48	62D	29	FS	25
02	12A	75D	59	36	32	38	75D	39	27	21	B	21
03	15A	31	75D	34	31	39	25	47	44	C	F	8
04	6A	75D	55	35	31	38	32	40	33	27	B	41
05	4UA	36	75D	32	C	36	37	36	38	F	B	22
06	75D	30S	50	31	34	32	27	62	27	32	67	39
07	49F	F	28	C	35	30	60	32	C	20	53	18
08	18A	FS	75D	33	26	48	75D	36	26	19	F	12
09	9S	FS	39	30	20	51	75D	38	62D	28	47	25
10	34S	24	30	39	33	50	75D	34	25	15	F	16
11	54A	33	34	43	75D	43	75D	40	21	22	FS	15
12	16A	FS	32	34	75D	34	75D	29	C	15	63	30
13	16A	FS	C	31	75D	29	75D	26	8	9	C	27
14	12A	75D	33	C	75D	33	75D	33	28	10	FB	39
15	39A	57	27	20	75D	75D	75D	31	13	8	37	38
16	15	37	30S	31	75D	45	75D	54	15	14	34	35
17	31A	40	23	23	75D	31	75D	49	17	1	31	23
18	48A	48	C	22	75D	29	75D	75D	10	14	C	24
19	35A	30	C	27	58	38	75D	63	29	17	C	45
20	34	49	C	25	52	C	75D	32	62D	30	C	20
21	34	32	C	36	40	34	62	52	46	2	C	22
22	38A	23	C	C	43	37	62	37	34	60D	C	22
23	20A	75D	C	26	C	37	52	75D	62D	60D	C	29
24	10A	28	36	C	42	36	75D	64	62D	5	28	31
25	10	35	C	37	C	31	75D	39	27	C	28	8
26	F	38	30	75D	32	42	49	47	24	C	21	30
27	F	48U	32	45	25	28	75D	44	F	C	19	12
28	F	35	36	32	34	35	34	35	C	C	C	34UF
29	17		46	26	26	38	42	57	C	C	15	BS
30	F		75D	36	29	38	29	34	C	C	26	23
31	75D		75D		36		37	59		C		17
C	27	22	23	26	28	28	31	31	24	22	17	31
M	20	37	38	33	36	37	75D	39	28	17	37	24

MURMANSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	6	23	16	24	23	C	22	29	53D	40	AF	23
02	11	S	29	29	17	30	60D	25	22	16	B	37
03	7	12	32	38	13	29	18	3	53D	C	B	10
04	1	16	31	27U	20	34	17	23	17	70D	B	20
05	9U	17	32	15	C	40	24	17	26	F	24	16
06	23	20	30	27	19	21	14	22	R	FR	36	18
07	27	15	19	C	16	20	34	16	C	21	28	13
08	9	24	75D	21	22	35	60D	20	11	31	B	15
09	5	C	25	24	20	28	60D	18	53D	23	19	23
10		10	16	29	29	53	60D	21	R	20	25	12
11	29U	26	18	24	60D	25	60D	14	12	17	24	7
12	10	22	24	29	60D	22	60D	4	C	24	28	21
13	15	33	C	23	60D	20	60D	13	F	18	C	25
14	10	FS	9		60D	24	60D	10	0E	9	16	34
15		43	14	20	60D	60D	60D	11	0E	15	23	17
16		22	18	18	60	33	60	32	0E	15	15	24
17	18	F	F	22	60D	15	60D	42	0E	11	11	15
18	38	19	F	22	60D	19	60D	60D	F	14	C	16
19	23	37	C	15	58	28	60D	58	F	17	C	27
20	14	22	C	17	43	C	60D	7	29	22	C	13
21	14	25	C	14	37	22	38	23	40	8	C	F
22	23	23	C	C	28	28	36	32	22	55	C	7
23	10	75D	C	14	26	32	25	60D	F	30	C	13
24	12	16	15	C	C	26	60D	43	53D	17	15	30
25	14	13U	C	48	18	11	33	19	C	C	13	B
26	16	RB	13	22	C	27	19	31	6	C	19	15
27	11	26	6	32	20	23	40	16	F	C	13	9UF
28	14	17	20	29	22	F	10	8	C	C	C	27UF
29	16		37	29	25	30	16	32	C	C	10	41US
30	19		60D	21	27	31	7	23	C	C	30	12
31	75D		60D		19		27	37		C	C	23
C	28	24	22	26	28	27	31	31	17	21	21	30
M	14	22	22	23	27	28	40	22	22	18	24	17

OTTAWA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	DB	B	DB	C	43	DB	DB	DB	DB	DB	DB	S	DB	DB	DB	DB	DB	S
02	DB	B	DB	C	46	DB	DB	B	B	DB	DB	DB	DB	DB	DB	S	DB	S
03	DB	B	DB	C	B	DB	DB	38	DB	DB	DB	S	C	DB	DB	S	DB	S
04	DB	B	DB	C	B	DB	DB	B	DB	DB	DB	DB	C	DB	DB	DB	DB	DB
05	DB	B	DB	B	43	B	DB	B	DB	DB	DB	DB	C	DB	C	DB	DB	S
06	DB	B	DB	B	43	DB	DB	B	B	B	DB	B	C	DB	S	B	DB	DB
07	B	B	DB	B	DB	B	DB	DB	C	B	DB	DB	C	DB	DB	B	B	DB
08	B	B	B	DB	B	48	DB	DB	C	DB	B	DB	C	DB	DB	DB	B	DB
09	S	DB	B	B	DB	B	B	B	C	DB	DB	DB	C	DB	DB	DB	B	DB
10	B	B	B	B	DB	DB	43	DB	C	DB	S	B	C	DB	B	DB	44	DB
11	B	B	B	B	51	DB	44	DB	C	DB	B	DB	DB	DB	DB	B	B	S
12	DB	B	DB	DB	DB	B	46	DB	DB	DB	B	DB	B	DB	DB	B	DB	DB
13	B	DB	DB	DB	47	DB	S	DB	DB	B	B	B	B	DB	DB	DB	DB	DB
14	B	DB	DB	DB	B	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	B	S	DB
15	B	B	B	DB	47	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	B	S	DB
16	B	B	DB	DB	45	DB	DB	DB	B	S	DB	DB	DB	DB	DB	DB	35	S
17	DB	B	B	DB	44	DB	DB	DB	DB	DB	DB	DB	B	DB	DB	DB	B	22
18	S	B	B	B	DB	DB	DB	DB	DB	DB	DB	B	B	DB	DB	B	B	35
19	S	34	22	DB	44	DB	DB	DB	DB	DB	DB	B	DB	DB	DB	DB	B	DB
20	B	B	DB	DB	B	B	DB	DB	DB	DB	DB	37	DB	DB	B	B	B	B
21	S	B	B	B	44	50	B	B	DB	DB	DB	39	B	DB	B	40	S	DB
22	B	B	DB	B	DB	DB	B	42	DB	DB	B	B	C	DB	DB	B	S	B
23	B	B	DB	B	36	DB	DB	39	DB	B	36	DB	DB	DB	B	DB	S	S
24	B	B	DB	DB	43	DB	DB	B	DB	DB	B	B	DB	B	B	DB	C	S
25	B	C	DB	DB	35	DB	S	DB	DB	DB	B	DB	DB	DB	DB	B	S	DB
26	B	B	B	B	36	DB	S	B	DB	DB	B	DB	B	DB	DB	DB	DB	DB
27	B	B	DB	B	52	DB	40	B	DB	DB	S	DB	DB	DB	DB	B	S	DB
28	B	DB	B	52	DB	B	41	C	DB	DB	S	B	DB	DB	DB	DB	S	DB
29	B	DB	DB	DB	DB	B	44		DB	DB	DB	DB	DB	DB	DB	DB	S	DB
30	B	DB	C	B	DB	DB	S		DB	DB	39	B	DB	DB	DB	DB	S	DB
31	S	DB		B		DB	DB		DB		33		DB	DB		DB		DB
COUNT	26	30	29	27	30	31	27	27	26	29	28	28	22	31	29	29	19	23
MEDIAN	B	B	DB	B	52	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	B	DB

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

PARIS-DOMONT

PERIOD NCON UNITS 1.0 DB FREQUENCY 3.4 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				33									46	S				
02	G	R								24F	51D				43D			C
03			32			R	29					43				24		
04				34				36R	37	46			37				37R	
05	G				R									41	43D			C
06		41	C			33					50	49						
07							29	C	42								39UR	
08				41	C					46			50R	41		29		
09	51D	45									S				41			C
10			36			C	R					47FS				28		
11				32				30F	35	40			44					
12	50D				37UR									45	30		28UR	C
13		32	39			C					41	50						
14							R	R	19							32RF	32UR	
15				45UN	R					30			46					
16	B	35									51				43D			C
17			C			C	31									17		
18				30				33R	40US	32		27	46				26R	
19	48E				39DR									26	R			
20		35	42			C					40	39						
21							33UR	C	40							25	24R	
22				20	C					S			34	37F				
23	G	29F									44				C			
24			43			43R	35R					40						
25				30F				35R	51R	36			39				24R	
26	48				23							44		48	C			
27		23	42			31R					C						26A	
28							C	38	48D				49			32R		
29				31F	23R					38				32				
30	R	37									C				35			
31						36R	34F									28		
COUNT	9	9	6	9	6	5	8	6	8	8	6	8	9	7	7	8	8	
MEDIAN	R	35	40	32	38	31R	34	36R	40	36	47	44	46	41	43D	28	27R	C

PENN STATE U

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

	1957											1958						
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	76UC	73D	57	66D	40		59S	41	49D	C	40B		56UB	44		26	C	34UC
02	74UB	47	59D	47	44	61UC	C			59UB	59UB	52	C	44	44UB	31		40UC
03	82D	54	68D	58B		73D	59	27	56D	59UB	49	51	50		44UB	34	34UB	44UC
04			51D	72UB	31	58F	65	35	42D	61UB		51		38	43UB	29B	30	44UC
05	78UB	48	68UB	66D	36	56F		43UC	53UC	60UB	46	60UB	C	38	C		28	42UC
06	71D	47	59D		21	70UB	63	44A	42UC		45	51		36	C	32B	30B	42UC
07		42	68D	57	37	C	74D	42	C	57UB	38	53	55UB	50UB		24	38UB	
08	63	56D		65UF	45		62B	C	C	45	36		42UB	45UB	53	29	34	34UC
09	58	63D	62UB	62	46	54F	52			59UB	34	56	34	42	59UB	20		38UC
10	47	60	65	76D		46	42	C	C	60UB	37	52	33S		54UB	W	34	44UC
11	49		58	65B	48	C	43	C	C	54UB		C	32	42	40UB	27	31	C
12	65	47	68D	83D	58D	73B		60UB	55D	52B	37	49	C	43	39UB		C	23
13	58	50	70D		34	76F	63F	43	C		40	52		43	36	42UB	26	C
14		48	69D	57B	58	82D	C	56D	65D	54UB	43UB	52	33UC	32		21	23	
15	58	50		64D	39		C	C	58D	61UB	45		29	50UB	36UB	25	C	22
16	55D	56	56	63B	39	C	C			49	43	36	38	39	38	27		17
17	55UB	53B	57	55		W	60	C	50D	56UB	60UB	44	24		49	30	27	C
18	58		70D	48	29	C	53UB	C	52D	61UB		35	34	36	41B	27	32	20
19	58	49	67D	57	46D	C		C	C	57UB	50	40	25	40	36		20	29
20	53	47	72D		43	C	33	C	69D	60	52	46		35	28	C	32	18
21		54B	68D	42	C		32	C	54D	55	54B	44	35	27		17	38	
22	60D	48		61D	36		43	C	63D	54B	45		32	45UB	32	19	36	28
23	50	41	66D	72	39	47	43			52	52	47	42	40UB	32	C		29
24	66D	47	68UB	41		54	46C	41	63D	55	55	48	41		36	24	32	26
25	46		69UB	36	C	58D	53C	43B	69D	C		45	51UB	42UB	37	C	37	
26	57	51	61	44	54	36		63A	69D	C	46	42	42	44UB	32		30	C
27	53	46	63D		46UF	34	38	56D	62D		48	55UB		44UB	34	22		40
28		62D	61B	42	51UA	47	34	42B	60D	49	47	51UB	58UC	45UB		39UB	27	
29	56D	49		47D	A		47		60D	55B	50		54UB	42UB	C	35B	16	30
30	52	53B	52	43	61F	51	70D			54B	46	45	45UB	36	32	32		29
31	61UB	65D		35		57D	76D		61D		48		51UB			36UB		26B
COUNT	25	27	26	27	23	18	23	14	20	24	27	24	23	26	22	23	21	22
MEDIAN	58	50	66	57	43	56	53	43	59	55	46	50	41	41	40	27	31	29

PORT LOCKROY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01					35A	34AR	32R	32A	39	28	44	40
02					32	30	F	39	37	26	36	30
03					47UA	37	30UA	28	24	30	43	36
04					44C	26AR	25	18	24	26	35	36
05					40	F	44D	25F	32	27	37	40C
06					46	F	36UA	25	26	29	31	35
07					45	F	22	40	29	25	45	33
08					39UA	25EN	28FR	35	46	27	33	36
09					35	33	40AR	34	31	32	26	35
10					36UA	31A	43D	47UA	28	33	28	30
11					43D	18	34R	40		35	32	32
12					20UA	31UC	49DR	36	35	29	31	37
13					26D	30UA	51R	28	28	46D	28	38
14					31UA	30A	36UA	27UA	26	33	32	41
15					F	30	48R	33	25C	33	31	27
16					37UA	30	34	28	29	35	29	29
17					38UA	39	49DR	41	25	39	29	30
18					18	39DC		36	26	31	30	34
19					41	18R	57D	43	28	38	34	31
20					27	18R	51FR	48UA	28	41	34	32
21					21R	31A	51	37	26	43UC	34	36
22					25	F	42DR	46		42	33	43
23					24CR	26AN	44UA	35	23	31	28	38
24					24		45AR	45	25	62D	49D	35
25					27A	20	50R	55	29	32	32	
26					19R	13AR	29UF	27	30	31	34	37
27					26AR	26	39	42A	26	35	37	33
28					24UF	30	31	43F	24	41	35	33
29					F	36R	37	40A	26	43	36	36
30					30R	37DR	52DA	34	28	44	36	30
31					41UA		37	30		33		35
C					28	25	29	31	28	31	30	30
M					34	30	40	36	27	33	33	35

PORT LOCKROY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	37	38	43	37	U	R	R	42	52UF	34	40	
02	40	40	48	34	47	14	33	52	29	27	37	40
03	59D	37	44D	28	C	R	24	29	35	27	40	41
04	41	42	47	38	C	13	45	36	F	27	38U	39
05	39	40	C	39	C	22	F	F	50UF	33	38	50D
06	33	37	C	32	C	20	34E	46	40	32	45U	43
07	32	33	36	40	C	18	26R	F	35	26	33	38
08	32	37	36	24	C	12	26	53	35	28	32U	34
09	37	38	38	30D	C	23	R	33	35	33	35	40
10	41	39	37	42	29	19ER	30	27	30	31	E	28
11	42	46	33	54	37	19	R	F	28	28	35U	39
12	32	42	31	30	24	16	33	44	26	31	37	32
13	37	54D	17	15	52D	A	R	F	24	28	37	37
14	37	53D	31	23U	55	R	24F	36	22	29	46U	37
15	35	41	43	20	29R	R	43	32	32	28	44	C
16	35	48	C	24	22	8	R	50	30	31	34	34
17	40	51D	20	23	23	16U	R	51F	38	30	41	30
18	41	43	30	26	31D	20	B	50F	28	33	36	30
19	40	40	21	30E	37UF	17	B	52	21	34	34	30
20	38	39	31	33	37	22	B	B	28	39	36	34
21	31	36	S	27U	47E		60	F	43	31	39	32
22	38	31	20	18	C	R	B	F	36	36	34	30
23	40C	38	31	29	36E	R	C	55UF	38	32	35	33
24	46C	34	32	25	36	31R	B	56UF	43	30	38	31
25	58D	37	34	23	16	R	58F	48	38	34	38	C
26	44	40	32	31	R	22	65F	F	39	41	36U	C
27	45	40	45	29	R	25U	B	50UF	32	32	38	34
28	42	34	24	39	R	28	F	37F	30	35	43U	38
29	38		49D	30	R	R	32	35	30	37	41	37
30	42		56DF	43	R	R	39	49	28	35	34	35
31	33		53		24		48	44		34		34
C	31	28	27	30	16	19	15	23	29	31	29	27
M	39	39	34	30	36	19	33	46	32	32	37	34

PORT LOCKROY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01					F	17	20	22EF	27	25	31	32
02					20R	23	26	F	24	22	32	30
03					25	20A	17A	15	20	26	35	32
04					R	14	12	13	22	23	31	34
05					F	18	22A	12F	21	16	31	38
06					32	21	24	15F	24	24	26	35
07					F	20	11UA	21	21	24	36	30
08					35R	25EN	15	F	28	21	30	38
09					28R	23	30	24	21	24	33	29
10					27R	20	20UA	35	18	32	21	32
11					26R	16	12A	F		27	30	34
12					16	25UC	27	23	28	27	26	41
13					22R	21	26	F	19	29	19	36
14					19UA	16	17UA	21	23	25	28	40
15					14	18UA	31A	25R	26	29	31	27
16					29	18	17R	23RF	20	33	27	32
17					30A	21A	29	34R	21	29	27	29
18					12	20UA		31EF	21	23	32	32
19					24UA	20	31	39R	22	32	34	27
20					12UA	9	28	38F	19	28	29	20
21					13	23UA	34	30R	20	29	29	27
22					11R	17	25A	35		34	34	41
23					15	12A	26R	28UC	20	25	26	40
24					15A		37EA	34R	18	53D	58	30
25					21	12	30R	39	22	23	29	
26					17	15	21FR	19	26	26	24	33
27					16	19UA	28EF	33	17	28	29	34
28					23	15	26UA	26	24	27	40	34
29					26	24D	F	30	20	34	30	31
30					30UA	22	37FR	20	23	38	32	31
31					29		F	23		32		39
C					27	28	26	26	28	31	30	30
M					22	19	25	24	21	27	30	32

PORT LOCKROY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	32	29	30	30	R	16	12CA	26	34	22	26	32UB
02	39	22	32	29	R	10	17	43	17	21	26	24
03	57C	30	36	40	R	14	22E	15	23	19	22	34
04	38	35	35U	27	C	11	23	23E	28	20	29	26
05	32	33	37	26	C	10	29	20	30	20	25	41UB
06	36	26	C	30	C	12	21	23	24F	23	31	26
07	36	20	28	32	C	12	16	28	28F	19	27	26
08	37	31	26	26	C	11	17	41	25	13	26	20
09	31	25	32	30	C	5	29	27	22	22	26	28
10	36	33	27	R	R	9	25	15	26	18	24	18
11	33	33	24	33	R	9	20	26	21	18	27	29
12	34	35	19	29U	11	12	19	26	12	18	20	23
13	37	40	14	23R	30	12	16	26UF	12	21	28	22
14	31	44	11	F	A	13	13	28	21	17	28	27
15	30	39	28	F	18	15E	22	F	25	18	31	C
16	28	34	C	20	12	2	38	28	21	20	26	23
17	33	40	26	F	15	9	34	R	25	18	30	28
18	35	27	24	23	18	13	38	29	16	18	25	26
19	35	29	29	R	27EA	11	44	34	12	27	19	23
20	34	18	22U	R	24	15U	44	40	17	21	27	22
21	36	25	S	R	30	10	48	32	20	22	28	23
22	33	23	20	R	C	13	48	F	27	26	28	23
23		31	26	R	20	15	C	F	24	14	25	27
24	39C	31	24	R	22UA	18	53	R	29	25	28	29
25	54	33	31	R	14	13E	36	F	27	24	29	C
26	28	31	28	R	18	20	F	38	30	33	30	C
27	35	25	46	R	14	15	46	28UF	18	24	27	28
28	31	23	14	R	19U	22	31	16	16	22	28	36
29	28		30	R	19	13	20	24	19	22	34	33
30	34		38	R	14	17	22	30	22	22	32	26
31	35		34		18		30	24		29		29
C	30	28	28	14	17	28	29	25	30	31	30	28
M	34	31	28	29	18	12	25	27	23	21	27	26

PORT STANLEY
LDB

PERIOD NOON UNITS 1.0 DB FREQUENCY *

1957

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		64D	42									
02	64C	44	42									
03	46											
04		42	44									
05		41F	42UF									
06		50										
07		43										
08		52										
09	46	43U										
10	57C											
11	45	45										
12	39	43										
13		45										
14	42	46										
15	50	38										
16	50	45										
17	43											
18	36	51U										
19	52F	39										
20		36										
21	47	40										
22	41	37										
23	48	44										
24	53											
25	45	42										
26	49	48UF										
27		40										
28	52	38										
29	57C											
30	48											
31	48											
C	22	24	4									
M	47	43	42U									

* AVERAGE FOR 2.6 AND 2.8 MHZ

PORT STANLEY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33	42UF		C	53		51	50	53	53	C		50	33	50	47		55
02	40UF	38	40UF	C	58	46	58			53	42		54	C	45	43		53
03	73D	43	C	C		63UF	48	48	47	41	48		52		40	53		48
04	42		33	C	52	54	51	49	48				47	37	36	44		53
0	47		46	C	45	51		46	49		41F		50	29	36			59
06	55UF	24	38	C	44	52	46	48	50		35			36	40	51		50
07		37	37	C	49	51	52US	45	48		39		51	59		47		
08	39	38		C	44		46	47UF	47	42	34		50	59	C	40		52
09	40	60UF	35	C	52	C	46			39	42		54	57	C	47		55
10	F	39	42	C		42	53	50	50	48	37		50		47	C		54
11	42UF		48	43	41	57UF	74D	49	67U	40				53	41	43		45U
12	29	56UF	79D	C	45UF	49		45	51	37	34		50	46	51			60
13	37	41	37		47	47	74D	58U	50		30			46	45	C		49
14		52UF	41	54	52	74D	74D	50	68U	33	28		37	42		C		
15	55UF	36		53UF	50		55	53	51	33	28		50	37	41	C		50
16	24	35	68UF	48	61UF	48	59U			36	32		59	39	41	57		50
17	30	33	F	51UF		63UF	74D	46	46	35	37		59		C	63		47
18	27		F	47	F	47	53	43	44	34			45	40	C	52		54
19	32	38	40	41	44	63UF		55	49	28	42		44	54	42			49
20	58UF	40	36		63UF	74D	54	45	49		34			C	43	47		51
21		47	70UF	63UF	59UF	74D	50	46	50		38	50		39		48		
22	43UF	46		41	52		52	46	49	36	31		45	51D	39	51		63
23	54UF	27	45	48	65UF	C	47			49	51F	48	50	45	40	44		50
24	35	36	38	63UF		46	C	47	61	37		45	54		39	64U		47
25	38UF		C	49	52		C	C	47	38		39	56	49	38	36		
26	34	41	C	56	48			60	48	32	36	46	57	47	44			
27	41UF	35	C		47		51	58	86D		32	47		38	38	54		50
28		36	C	47UF	50UF		C	61	51	35	36	47	44	43		56		
29	27	28	C	67D	50		C		C	40	42		53	42	46	50		51
30	27	24	C	54	45	66	C			44	43F	34	48	C	42	C		49
31	37	64UF		46		51	42		47		51F		38			C		48
COUNT	26	26	19	17	25	20	22	23	25	22	25	8	25	23	22	21		25
MEDIAN	38	38	41	49	50	52	52	48	49	38	37	46	50	43	41	48		50

PORT STANLEY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			46	56	43	41	36	34	46	C	C	65
02	59	52	56U	38	42	44	38	45	53U	27	C	55
03	64U	52	55	47	42	33	50U	C	36	C	C	58
04		47	66	39	44	26	48	35	37	C	40	49
05	58	52	57	47	51	30	50	35	34	33	48	51
06	55	48	47	40	49	31	55U	46	32	39	55	C
07	54	50	58	50	38	35	55U	45	40	38	50	54
08	50	52	43	42	46	28	29	54	49	41	51	43
09	49	59U	54	45	61	39	48	43	41	41	51	45
10	55	56	54U	56	41	34	54U	39	31	36	65	39
11		55	50	54	30	43	59U	41	34	37	55	45
12	C	55	46	34	36	38	51	35	41	38	46	51
13	C	55	47	43	45	38	34	44		39	45	49
14	57	47	43	31	57	C	39	36	39	43	49	40
15	47	52	46	31	39	32	31	44	38	46	49	42
16	52	48	51	32	41	24	48	31	37	37	50	52
17	50	54	53	40U	C	33	62U	37	38	42	44	48
18		49	35	C	41	29	48	53U	35	42	44	40
19	59	50	56	C	52	34	64	47U	C	45	35	39
20	53	47	59	39	62U	31	52	52		41	46	40
21	54	45	43	38	58U	38	40	61U	37	41	47	C
22	C	41	49	28	55U	34	52	56	47	42	47	C
23	47	50	49	37	34	31	45	62	53	43	44	C
24	58U	40	51	47	34	45	47	29	47	40	47	C
25		48	62	C	28	33	57	48U	43	43	49	C
26	59	45	48	41		29	46	55	40	38	49	C
27	57	50	44	39		36	48	51	40	40	46	C
28	55	46	38	35		35	52	50	38	50	C	C
29	53		51	45		C	40	50	33	C	C	C
30	52		53	54		35	50	59	36	C	54	C
31	46		56				53	49		C		C
C	23	27	31	27	24	28	31	30	27	25	25	19
M	54	50	51	40	42	34	48	46	38	41	49	48

PORT STANLEY

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.6 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	30	31		C	37		49	40	37	46	C		50	29	44	42		46
02	R	33	33	C	47	37	42			48	33		47	C	36	37		47
03	66D	35	C	C		60UF	42	40	41	38	38		52		24	45		43
04	57D		27	C	47	48	46	39	39				43	33	22	39		45
05	47UF		35	C	40	38		38	39		31F		50	23	24			51
06	56UF	28	32	C	37	47	42	39	37		28			30	30	43		43
07		28	33	C	42	42	41	39	43		30		47	56		37		
08	36	28		C	42		46	41	45	28	26		46	49	C	31		45
09	30	F	33	C	42	C	38			33	31		47	47	C	40		49
10	34	32	33	C		34	46	44	37	35	30		45		34	C		43
11	37		35	33	31	52UF	51	40	60U	32				46	28	40		44U
12	23	40	64	C	35	39		38	44	29	28		50	39	36			50
13	29	37	32		45	42	66D	52UF	40		24			38	31	C		43
14		53UF	38	25	36	66D	66D	40	58U	25	24		35	31		C		
15	58UF	27		37	43		48	42	44	27	26		38	25	32	C		44
16	22	31	67UF	43	32	38	52U			25	27		55	31	29	46		44
17	30	29	53	35		57UF	66D	38	39	23	27		53		C	44		44
18	24		42	32	F	40	47	35	34	28			33	30	C	37		49
19	29	33	33	30	41	57UF		40	37	20	31		34	45	34			53
20	57UF	35	43		49	34	44	32	40		24			C	30	44		51
21		39	63UF	48	36	44	44	37	42		28	42		30		55		
22	38UF	34		31	42		42	35	45	23	23		40	51D	30	44		58
23	42	24	47	43	49		38			34	39	41	46	35	32	40		45
24	28		39	56UF		41	C	37	53	26		36	49		33	58U		44
25	31		C	39	38		C	C	38	25		33	50	37	35	33		
26	32		C	48	39			43	39	30	23	33	50	41	34			
27	32UF	31	C		42		41	46	77D		25	45		30	28	43		44
28		36	C	34UF	45		C	48	42	24	29	40	33	29		51		
29	24	27	C	48UF	45		C		C	33	30		47	38	33	46		51
30	23	33	C	37	37	63UF	C			35	31F	39	47	C	37	C		46
31	31	63UF		36		42	32		41		37F		30			C		44
COUNT	26	23	19	17	25	20	22	23	25	22	25	8	25	23	22	21		25
MEDIAN	32	33	35	37	42	42	45	40	41	28	28	40	47	35	32	43		45

PORT STANLEY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01				39	36	33	30		35	C	C	54
02	55	41	46	28		35	26		39U	24	C	51
03	62U	41	47	38		23	38	C	28	C	C	49
04		38	54		40	21		26	29	C	32	46
05	53	47	50		40	25U		27		28	48	
06	45	40	40	34	35		49U	33		36	48	
07	46			40	31		44U	36	27	34		44
08	43				36	20	25		39	35		
09	43	49U	42	30		30	38		28	31	41	40
10	49	54	46	37		25	55U	26			48	37
11		50	39		24	33		30	28		38	41
12	C	46	36		29	30		26		32	37	
13	C	52U	40	36	35		25	35		34	41	
14	48			22	48		29	25	28	35		
15	40			26	30	27	25		27	38		36
16	43	42	40	29		20	38		30	29	39	38
17	42	47	45	26		23	48	28	28		39	
18		40	43	C	35	23		37	32		38	35
19	52	38	49	C	40	25		40	C	36	36	
20	46	43	50	31	55U		41	43		35	37	
21	46			33	56U		33	49	30	34		C
22	C			21	46	28	42		35	34		C
23	40	44	41			23	37		37	35	42	C
24	53U	29	46	33		34	33	23	39		40	C
25		41		C	19	26		35	37		41	C
26	51	40	38			24		41		32	44	C
27	51	42		31			41	45		32	40	C
28	48			29			42	38	30	39		C
29	48			34		C	29		25	C		C
30	46			44		23	38		29	C	45	C
31			45				48			C		C
C	22	20	19	20	17	21	23	19	21	19	19	11
M	47	42	45	32	36	25	38	35	30	34	40	41

PORT STANLEY
A-INDEX

PERIOD NOON UNITS 10.0 DB.MHZ^2 FREQUENCY *

1957

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		73U	47		C	40	28	37		C	43	
02	75D	48	47				31U	35	35	C	53	42
03	60U				40	22	80D	36	C	C		65U
04		46	47		39	21	55U		30	C	49	50
05		49	48			25	46		38	C	43	46
06		53			29	20	60U	24	33	C	41	51
07		47			26	33		31	33	C	47	48
08		63			33	19	36	31		C	45U	
09	60U	49					34	54UF	32	C	47	C
10	70U				26	33	35	36	35	C		39
11	54	52			35	30	38		38	37	35	57U
12	51	49				27	26	46	80	C	40	44
13		49			34U	28	31	37	34		46U	46
14	55	51			29	27		55U	37	40	45	75D
15	56	44			34	27	55U	30		43	46	
16	58	50					21	31	65U	46	46U	45
17	50				23	25	28	28	59U	41		58
18	43	62			34	32	24		47	39	65U	46
19	58	47				40	27	35	35	35	43	60U
20		42			34	30U	54	36	36U		58	50U
21	55	47			22	24		44	70U	52	52U	60D
22	49	43			27	22U	42	41		34	49	
23	56	50			31U		46	24	41U	45	57	C
24	62				17	17	30	31U	36U	62		45
25	53	46			28	22	34		C	44	45	
26	58	48				C	31	35	C	50	45	
27		45			18	22	36	31	C		46	
28	58	42			16	C		33	C	42	51U	
29	63				22U	32U	25	25	C	58U	49	
30	55				24		24	31	C	45	42	65
31	58				24U		32	62U		40		47
C	22	24	4		23	23	27	26	19	17	26	20
M	57	48	47		28	27	34	35	36	43	46	49

* JANUARY - MARCH A INDEX BASED ON 2.6 2.8 3.2 4.0 AND 4.8 MHZ
MAY - DECEMBER A INDEX BASED ON 2.2 2.6 AND 3.2 MHZ

PORT STANLEY
A-INDEX

PERIOD NOON UNITS 10.0 DB.MHZ^2 FREQUENCY *

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	47	44	42U	46	C		46U	29	44	43		51
02	50			47	33		46	C	38	38		51
03	44	43	41	36	39		48U		30U	47		47
04	49U	43	41				41	33	26U	39		50
05		41	42		32		45U	23	27U			56
06	42	42	40		27			30	32	45		48
07	45	41	42		31		44	53U		40		
08	46U	43U	43U	31U	26		44	50	C	34		49
09	43			33	32		46	48	C	42		53
10	50	46	40	37	30		43		38	C		49
11	60C	43	61UF	32				44	32	40		46U
12		41	44	29	27		45U	41	40			55
13	73D	54UF	42		24			32	35	C		47
14	75C	44	59U	26	23		32	33		C		
15	51	46	44	27	24		40	28	34	C		48
16	57U			28	26		53	32	33	49		48
17	75C	41	40	25U	28		51		C	51U		47
18	51	38	36	29			35	32	C	42		53
19		46U	40	21	32		35	47	35			53U
20	50	37U	41		25			C	34	44		53U
21	48	40	43		29	41		34		51U		
22	46	40	44	26	24		38	UB	32	45		61
23	43			37	40	40	44	37	33	40		49
24	C	41	54	28		36	47		33	58		47
25	C	C	40	28		32	48	39	34	33		
26		50U	41	28U	26	35	49	40	36			
27	45	50	65D		25	43U		31	31	46		49
28	C	53	43	26	29	39	35	32		52		
29	C		C	33	32		45	37	38	46		52U
30	C			36	33	36UH	43U	C	37	C		49
31	38		41		40		30		C	C		47
C	22	23	25	21	25	8	25	22	22	21		25
M	48	43	42	29	28	38	44	34	34	44		49

* JANUARY A INDEX BASED ON 2.2 2.6 AND 3.2 MHZ
FEBRUARY - DECEMBER A INDEX BASED ON 2.2 AND 2.6 MHZ

PORT STANLEY
A-INDEX
PERIOD NOON UNITS 10.0 DB.MHZ^2 FREQUENCY *

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			41	44	35	33	29	28	37	C	C	57
02	58	47	49	31	35	36	28	37	42	23	C	51
03	64U	47	49	40	35	25	40	C	29	C	C	52
04		43	57	33	39	20	39	28	30	C	35	47
05	57	49	52	40	42	24	41	28	28	30	47	46
06	51	43	42	34	38	25	47UF	36	27	35	49	C
07	51	46	51	42	31	29	45UF	37	30	34	44	48
08	47	47	38	36	37	20	24	45	40	36	45	39
09	47	53U	46	35U	51	31	39	35	31	33	44	41
10	53	55U	48	43U	34	26	50U	28	27	32	54	37
11		52	42	46	24	34	50UF	32	28	33	45	42
12	C	49	40	29	29	31	42	27	35	33	40	45
13	C	52	42	37	37	31	26	36		35	41	43
14	53	43	38	23	48	C	30	27	31	37	43	36
15	45	48	41	25	31	26	25	36	30U	40	43	38
16	48	44	43	28	34	19	39	25	31	32	42	43
17	47	49	47	29U	C	25	50	29	30	38	40	43
18		44		C	34	22	39	40	31	38	40	36
19	56	43	50	C	42	26	53	40	C	39	35	35
20	50	44	52	32	54UF	25	42	43		36	40	36
21	51	41	36	33	52UF	31	33	50	31	36	42	C
22	C	38	42	22	46	28	43	46	38	37	42	C
23	45	46	42	32	28	24	37	52	41	38	42	C
24	58	34A	46	37	28	36	36	23	40	36	42	C
25		44	53	C	20	26	47	37	37	38	44	C
26	56	43	41	35		23	38	44	35	34	46	C
27	55	45	39	32		30	40	44	35	35	42	C
28	53	42	33	29		29	43	40	32	43	C	C
29	52		44	37		C	31	41	26	C	C	C
30	50		45	46		25	40	49	31	C	48	C
31	43		47				46	40		C		C
C	23	27	30	27	24	28	31	30	27	25	25	19
M	51	45	44	34	35	26	40	37	31	36	42	43

*A INDEX BASED ON 2.2 AND 2.6 MHZ

RESOLUTE BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	DB	C	DB	46	F	C	12F	15F	36	DB	35	11	C	27	41	33	29	27
02	DB	C	DB	44	23	13	F	F	DB	B	31	31	B	27	44	C	23	16
03	DB	C	DB	32	17	9	10	F	40	B	38	17	48	28	45	30	21	S
04	DB	C	DB	C	13F	23	9F	F	B	C	36	24	40	24	43	39	S	C
05	DB	C	B	30	DB	10	29	F	38	39	35	DB	38	24	45	41	19	14
06	B	C	40	23	B	18	13F	F	DB	35	35	DB	36	22	44	40	17	14
07	16	C	25	21	15F	13F	8F	F	41	32	35	28	DB	26	B	29	20	29
08	23	C	21	25	C	7	6	22	DB	38	32	25	DB	20	B	31	17	17
09	27	C	36	B	28	15F	5F	27	DB	34	35	B	DB	C	B	C	23	16
10	23	C	46	28	22	17	F	DB	DB	DB	35	31	DB	15	B	30	13	14
11	20	C	S	C	34	13	6	DB	DB	DB	43	39	DB	28	44	23	9F	14
12	20	C	DB	14	F	10	F	DB	DB	46	38	34	DB	27	B	30	10F	16
13	DB	C	40	24	14F	16	8	B	DB	44	37	27	48	20	42	30	20	23
14	DB	C	DB	39	12F	34	6	DB	DB	37	C	32	39	20	48	32	19F	28F
15	20	C	32	40	43	12F	F	DB	DB	31	C	33	34	C	C	30	37	C
16	25	C	S	33	16F	10	7	DB	DB	36	23	32	C	DB	C	32	20	C
17	C	23	22	37	21F	36	7F	DB	DB	36	29	35	30	DB	C	30	26	C
18	16	34	DB	31	12F	36	5F	DB	DB	32	C	28	32	DB	C	29	16	45
19	20	16	DB	31F	14F	24	C	DB	DB	35	33	35	34	B	44	35	19	17
20	DB	16	DB	30F	35	33	F	B	DB	30	C	23	42	B	41	F	6	29
21	DB	29	DB	DB	23	18	13F	B	DB	30	35	16	42	DB	43	B	21	18
22	20	42	DB	DB	14	27	C	DB	DB	29	34	26	36	DB	C	B	19	C
23	12	42	DB	DB	16	12F	F	DB	DB	27	35	29	33	DB	B	24F	15	18
24	C	25	DB	40F	F	13F	F	C	DB	32	29	27	38	DB	B	F	23	14
25	C	34	DB	DB	10	10	34	DB	DB	32	31	30	35	DB	B	41	B	18
26	C	27	B	32F	28	12F	23	DB	DB	34	39	C	30	DB	B	42	B	14
27		35	DB	33F	13	10	C	DB	DB	30	38	33	38	DB	B	30F	11	17
28	C	32	DB	27F	8	F	F	DB	DB	39	38	34	32	DB	34	28	15	14
29	C	B	DB	F	34	12	F		DB	31	C	43	DB	DB	46	F	14	24
30	C	B	42	29	25F	27	F		DB	36	C	25	DB	B	48	B	37	15
31	C	B		20R		10F	61		DB		17		44	B		B		14
COUNT	22	15	28	29	26	29	17	21	31	29	25	29	29	29	25	26	29	25
MEDIAN	24	36	DB	32	22	13	8	DB	DB	36	35	30	42	B	46	32	19	17

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

RESOLUTE BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	21	58	B	35		12			47	30	14
02	14	30	DB	48	38		16			B	31	15
03	14	41	DB	47	38		B			C	36	13
04	15	18	DB	B	35		13			44	40	20
05	15	22	DB	39	42		13			DB	32	14
06	14	30	57	B	33		14			DB	21	15
07	14	32	B	45	33		10			42	18	22
08	14	38	58	41	36		4			B	17	22
09	8	39	DB	B	38		12			44	16	18
10	13	42	B	49	36		DB			46	30	12
11	17	36	B	50	DB		DB			DB	15	15
12	15	39	DB	B	DB		DB			42	14	11
13	14	DB	B	50	DB		DB			32	7	14
14	18	DB	B	50	DB		DB			20	5	12
15	18	DB	56	44	DB		DB			36	5	15
16	19	B	51	41	DB		DB			29	7	13
17	16	DB	47	43	DB		DB			27	13	14
18	21	DB	41	43	DB		DB			21	29	20
19	14	DB	16	41	DB		DB			B	8	18
20	15	54	51	48	DB		DB			44	13	8
21	12	DB	51	47	DB		DB			37	16	30
22	12	B	42	47	DB		DB			34	25	32
23	12	41	50	49	DB		DB			20	19	17F
24	11	48	56	44	DB		DB			30	11	22
25	15	B	59	48	B		B			32	10	6
26	B	52	57	50	B		20			39	14	31
27	DB	B	59	49	B		18			46	12	13
28	31	B	53	46	42		16			38	12	20F
29	21		60	45	38		20			24	18	13
30	22		59	51	34		20			29	19	15
31	21		58		42		20			21		23
C	30	28	31	30	31		31			30	30	31
M	15	50	58	48	B	C	B	C	C	38	16	15

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01												C	C	C	C	C	C	C
02												C	C	C	C	C	C	33DB
03												C	C	C	C	C	C	C
04												C	34	C	C	C	21UC	C
05												C	38US	C	C	C	26	C
06												C	44B	C	C	C	23	40UB
07												C	C	C	C	C	C	44UB
08												C	39US	C	C	C	C	38UB
09												C	C	39US	C	C	C	34
10												C	39US	C	C	C	26F	34S
11												B	B	C	C	C	24	42UC
12												B	38S	38US	C	C	27	36
13												B	36US	C	B	C	30	26
14												B	35S	38UC	36US	C	31	38
15												41US	C	S	47DB	C	23	42UC
16												C	39US	39US	36US	31US	22	42UB
17												C	C	C	44DB	24	26C	40B
18												C	C	40DB	51DB	33	32	35
19												C	C	40UB	S	C	29	26
20												C	C	45DB	26	C	19	21
21												C	35US	C	33US	32	33	35DB
22												C	36	43DB	32US	34S	31S	32
23												C	C	C	34US	27	C	36S
24												C	35	C	34US	39	31	31S
25												B	C	C	42DB	31	27S	36
26												B	C	C	35US	27	28	35UC
27												35US	C	38US	24	28	C	30US
28												38US	C	35US	C	36	41US	24
29												C	C	C	34US	40S	29S	21
30												C	C	42DB	38US	32	36	26
31													C	C				C
COUNT												9	13	11	16	13	22	26
MEDIAN												-	-	-	36US	C	28	35

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	C	41US	C	36	C	C	43US	C	32	40
02	C	C	C	38US	C	44US	C	C	48DB	34S	26	36
03	40	C	48DB	33US	C	38UC	C	C	43US	32	28	28C
04	46DB	C	C	S	C	37US	C	C	50DB	24	28	46DB
05	46DB	C	C	36S	46DB	35UC	C	C	42S	29UC	26	C
06	36	C	36	45DB	44DB	32C	C	C	43US	C	33	36
07	28	40S	33	43DB	48DB	40US	C	C	38	37	C	34
08	42DS	C	C	44DB	44DB	36US	C	C	36	42	C	36
09	B	C	32	42US	43DB	38DS	C	C	45UB	20UC	41C	33
10	47DB	39DS	39DS	41US	44DB	C	C	38S	31	34	27UC	39C
11	47DB	43DB	33S	44DB	44DB	C	C	37US	34UC	31	39UC	32
12	45	40DS	42DB	38S	C	46DB	C	43DS	40UC	33C	40	31
13	40UB	40US	41DB	42US	42DB	38US	C	37US	35	17	47	29C
14	40US	38S	32	36US	38US	39S	C	38S	25	23C	45	32
15	44	36	28	38US	40S	38UC	C	44US	44UC	26UC	41	32
16	37	30US	34UB	34S	39DS	40US	C	51DS	31UC	30	29C	28UC
17	51DB	31US	38US	42US	S	C	C	42US	39	30	35C	48UB
18	46DB	32S	32	38US	C	C	C	45DS	28	C	24	32
19	54DB	42DB	42C	44DB	44DB	C	C	48DS	33	28C	32C	42
20	C	42UB	40DS	C	40US	C	C	47DS	28	28	26UC	36
21	46DB	34S	43DB	34S	C	C	C	44US	35	30	22UC	28
22	48DB	C	43	38US	40US	C	C	42US	34	24UC	25	31
23	46DB	32US	40US	42UB	39US	C	C	C	43	32	24	30
24	47DB	30US	44DB	43US	37S	C	C	40US	43	28	26	40US
25	48DB	C	38US	38US	44DB	C	C	C	C	34	31	40DS
26	44DB	C	41S	40US	36	C	C	44DS	33	32C	35C	38S
27	39DS	C	36US	40US	41DB	C	C	45DS	23	22	C	50DB
28	43DB	32DS	46S	36US	41S	C	C	46US	33	26	36C	51DS
29	44UB		55DB	38US	40S	C	C	43S	38	24S	40B	44US
30	32		45DB	C	44DB	C	C	47DS	28	26C	39	54DB
31	24		44DB		38		C	46DS		32C		51DB
C	28	16	26	27	23	14		20	29	28	27	30
M	46DB	38U	40	40US	41DB	39US		44US	36	30	32	36

ROSTOV

PERIOD NCON UNITS 1.0 DB FREQUENCY 3.0 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01												C	C	C	C	C	C	C
02												C	C	C	C	C	C	26R
03												C	C	C	C	C	C	C
04												C	36	C	C	C	17	C
05												C	38S	C	C	C	23R	C
06												C	39	C	C	C	C	34R
07												C	C	C	C	C	C	31R
08												C	41	C	C	C	C	32R
09												C	C	33	C	C	C	31R
10												C	42S	C	C	C	27F	32R
11												42US	44S	40UC	C	C	24R	30R
12												43US	37	30	C	C	22UR	38R
13												37US	33	36UC	S	C	33R	C
14												40US	34	27	50DB	C	29R	C
15												43US	C	37	39S	C	27R	C
16												C	38	41S	32US	26UC	24R	C
17												C	C	C	36	34	24UC	C
18												C	C	43	31	C	23R	C
19												C	C	36	36US	C	17	C
20												C	C	38	28	C	24R	C
21												C	38US	C	34	26S	29R	C
22												C	43US	41UC	38C	18	27R	C
23												C	C	C	35S	18	C	C
24												C	40US	C	30	28	25R	C
25												40US	C	C	34	29	20R	C
26												41US	C	C	28	22C	23	C
27												39US	C	29	30	30S	C	C
28												42US	C	37US	C	24	29R	C
29												C	C	C	32	36	23C	C
30												C	C	38	32S	29	29	C
31													C	C				C
COUNT												9	13	14	16	12	21	8
MEDIAN												-	-	38	33	C	24R	C

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	C	39	C	36	C	C	39	C	26	28UR
02	C	C	C	38	C	41	C	C	41	34	22EC	22R
03	38	C	47	31UC	C	38S	C	C	36	34	20C	26R
04	47DB	C	C	36US	C	41DC	C	C	38S	36	20	32
05	36	C	C	36S	4S	31	C	C	36	30UC	15C	45DS
06	28	C	35	44	46DB	36	C	C	34C	C	18	34R
07	21	32	33	47	42UC	34	C	C	35	44	C	28
08	26US	C	C	44UB	38	38	C	C	26C	37	C	26
09	50UB	C	37	43UC	40	43UC	C	C	33	28	34C	24
10	40	33	28	40	42DB	C	C	32	36	23	32UC	26C
11	44	36	32UC	40	52DB	C	C	42US	31UC	25	34S	24
12	43	34S	32	36	C	48	C	37	26UC	20C	33UC	26
13	40US	31	36S	43UC	44	36	C	35C	24	23C	36R	26
14	39	30	21	34UC	37	40	C	39	33UC	37UC	29	24R
15	37	30	C	36UC	C	42	C	42	38UC	26	23	28
16	30	28	33	36	43	44UC	C	54US	36UC	28	22C	17UC
17	47DB	26	31	36S	C	C	C	C	30	22C	32C	38
18	49CB	34	34	34S	C	C	C	49DS	30	C	26R	28C
19	50CB	38	33	34	43UC	C	C	43UC	26C	23C	20C	28
20	C	26	36	C	40C	C	C	47US	29C	28	19R	36
21	51CB	28	45B	40	C	C	C	40UC	26	22	30R	22C
22	54CB	C	32	39UB	38US	C	C	41S	29	20	26R	19
23	52CB	29	32	42S	44	C	C	C	36	19	24C	22
24	49CB	35	41UB	40S	38	C	C	31S	39UC	18	38C	42US
25	50CB	32	29	37UC	38US	C	C	C	C	22UC	28R	36DS
26	57CB	38US	34	36	38S	C	C	41C	28	26	30	50DB
27	52DB	31	30	47UB	40	C	C	41	19	26	30C	48DS
28	48DB	38	33UC	39	41UC	C	C	40	26	14	20C	47DS
29	44UB		35	37UC	43S	C	C	39	34	30	30C	36
30	32		38US	C	38UC	C	C	43	37	22C	30R	49
31	28		31		39		C	40		26C		57DB
C	28	19	25	28	22	14		19	28	28	28	31
M	44	32	33	38	40	40		41	33	26	27	28

SINGAPORE
A-INDEX

PERIOD NOON UNITS 10.0 DB.MHZ^2 FREQUENCY *

1957

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			57	68	57		69DB			66US	67UB	
02	58	59	60	67DB	49		48		71DB	66DB	70UB	53
03	67DB			60	53	54	37		64DB	71DB		62
04	60	52	60	43UB	60	70DB			71DB	65	69US	64DS
05	59	49	60	65		60US	41		54U	62	58US	57
06		47	64	65	53	56	49		70DB		69US	64DB
07	65DB	43	58		57	57			70DB		62	49UF
08	71DB	46	62	68UB	62	57				60	60	
09	72DB		64	64UB	59		49		65	66DB	61US	69
10	52			57	66UB		48		66DB	66DB		59
11	53	58	59	58	52DB	55			71DB	66DB	62	53
12	C	54	64	61		55			70DB	66DB	60	57
13		64DB	54	57			64		66DB		60	69DB
14	55	55	57		64UB	50			67DB	62US	60	58
15	53	58	62	63	59UB	67DB	54				61UB	
16		62		63	62DB			53	71DB	66DB	70DB	58
17	53			65UB	58	56		57UB	77DB	62DS		69DB
18	54	60	68	65DB			55		72DB	66DB	70	68
19	57	58	68			50	53			69DS	60	54
20		61	68		55	55	69DB	52	73DB		70	67
21	54	52	62		62	44		53	73DB	66DB	66DS	67
22	71DB	62	58		41	60DB	45	55			66DB	
23	64DB	53	55		58		57	50	70DB	62DB	63	57
24	56				53	43	56	65UB	75DB	67DB		55US
25	51	60	60	61	51	50	56		70DB	62DB	63	
26	71DB	56	58			52	53	56	70DS	66DS	64	
27		58	66DB	52	55	50	54		S		58	
28	59	58	61		53	72DB		70DB	70US	61	60US	
29	52		61	52	56	59		71DB		S	59	
30	56UB		66	59					71DB	66DB	58	55
31										66DB		55
C	23	22	25	20	23	21	18	10	23	23	26	22
M	57	58	61	62	57	55	53	55	70DB	65DB	62	58

* A INDEX BASED ON 2.2 AND 2.6 MHZ

SINGAPORE
A-INDEX

PERIOD NOON UNITS 10.0 DB.MHZ^2 FREQUENCY *

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		52	66DB	63DB	55		49UF	55	60	63UB		
02	56			63DB	63DB		45	56	63	56US		
03	61		58	66DB			50		64DB	64UB		
04	57	56	59				48		64DB	62US		
05		54	56		63DB		53	57	59US			
06	57	54	59		63DB			58	59US	56DS		
07	64US	52	57		58		51	48		58US		
08	64DB	64DB	58		52		52	56	60US	58		
09	60			63DB	54		50	60	60US	56		
10	60	51	65DB	66DB	54		52		61DB	56		
11	58	54	62DB	66DB			57UB	56		64UB		
12		54	60	63DB	58		52UF	65DB	65DB			
13	57	62DB	62DB		48			60	62UB	54		
14	56	51	61	58	55		48	60				
15	57DB	54	60	58	51		50	60	63US	64S		
16	57			57	52		47	66DB	65DB	65DB		
17	59	56	58UB	59	54		46		64US	63US		
18	58		58UB	58			43	58	66DB	63US		
19				59	60DB		53	60	59US			
20	56	52	65DB		54			58	64UF	63US		
21	56	57	62DB		47		51	55				
22	57	53	50	57	51		47	58	61US	63UB		
23	53			58	50		50	65DB	60UF	56		
24	S	54	64DB	60	52		47UF		50	54US		
25	53	60	63DB	60			50	60	60	59		
26		64DB	73UB	65DB			46	65DB				
27	58	58	65DB		50			60	59	59S		
28	54	55	63DB	59	53			65DB		62US		
29	53		62DB	63DB	51		63DB	60	60UF	62US		
30	57			62DB	48US		49UB	59	61UB	59		
31	56		64DB		52		53US			60		
C	25	21	25	21	25		26	25	24	25		
M	57	54	62DB	60	53		50	60	61	60		

* A INDEX BASED ON 2.2 AND 2.6 MHZ

SWANSEA

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01							52DB			B			41C			45B		27
02							B			B			35US			40		35
03							48	38		49			B		49	35	28	15
04								25UA	39				42		39C		22C	
05						B			37					43	43B		34	36UC
06						B	B	40	B		40			45	42	34	C	
07							B		B		52		41	48		37		
08							53DB				46		43S		40	37		B
09							50B					44	44B		B	36		C
10						46	52	42	32			45	46		48	42		41C
11						46							49B	42S	C	40		B
12						34		B	34		35A	45		44C	C	31		C
13					39	32		43			40	40		45UB	C	36	32UC	49B
14					30			46		47	C			43UB	41		39UC	
15					34		46			C	44		46C	46C	48			47C
16						42	48B			41		C	41					C
17						40	B		46C	43US		42	44	44		39	28	47
18					38	40		43	38	40	48		40C	B			23	
19					30		45B	34	B	47	45						14UA	
20					25		44	29	B	42				41	48C	36	21	
21					38	B	B	31	49	47C						37C	20	
22				48	40	B	B			47	43			42		33		
23				50		B	B									44		
24				45					45C	40		47	41			42	C	
25				40	20				52UB			46	41			C	31	
26					38				52			40					S	
27					54		B	B	B		C	39	38			35	42	
28				35	39		B	48	47B	B	34						30	
29					38		B			B	38		50B					
30						39			B	B	46	41	43		35	37		
31						48	47B		B				48UB			35C		
COUNT				5	13	14	20	13	18	15	12	10	19	12	11	20	13	10
MEDIAN				45	38	46	53	42	51	47	44	43	43	44	43	37	28	38C

SWANSEA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01							34			B			32			30		25
02							46			B			31			39		26C
03							34	35		41			43		36	33	32	18
04								21UA	28				41		34		20	
05						41			30					39	35		25	27
06						41	42C	27C	43C		39			43	37	26	C	
07							46		B		44C		34	41		27		
08							36				37		41S		31	25		42C
09							34					41	47		40C	33		C
10						35	36	33	22UC			42	40		39	28		36
11						34							51	41	C	26		48
12						22		44S	28C		39A	42		42C	C	30		C
13						23		31			33	44		31UB	C	28	24UC	47
14								35		45	C			40UC	43		28	
15							30			C	43		46	40	45			22
16						33	39			32		C	33					C
17						30	42		33C	37US		35	35	41		30	19	37C
18						26		43	35	38	43		32C	50			18	
19							33	35	34S	39	39						12UA	
20							33	27	50	35				35	38	28	19	
21						49	53	20	28	34UC						27	20	
22						44	B			36C	37			39		25		
23						49	52UB									34		
24									41C	34		40	41			30	C	
25									48			42	33			C	23C	
26									40			34					32US	
27							41C	49B	33		C	42	35C			25	36	
28							46	39	52	38	38						20	
29							58B			B	36		40					
30						30			B	45	47	37	36		28	20		
31						30	32		46				49B			22		
COUNT						14	20	13	18	15	12	10	19	12	11	20	14	10
MEDIAN						35	40	35	38	38	39	42	40	40	37	28	22	32

TOKYO

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.4 MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						39	40	38	47	S	42	45	51	50US	47	50S	36	38US
02						40	37	C	44	51S	S	50S	55	49US	C	41	34US	30
03						C	46	C	49	S	47	51US	51	S	S	45	38US	23
04						49	41	C	39	49	47	S	48	49	52US	40S	38	29
05						42	B	C	B	S	B	46	50	45	58	C	46US	C
06						52	C	C	45UB	S		S	53	39	58S	41US	27	C
07						50	B	C	54	51US	49US	S	61	47US	56	48S	26	C
08						50	B	C	41	48US	49	53S	54	50	S	32	22	C
09						50	37	C	50	50US	49	54US	55US	42US	46US	37	28US	33
10						58	48	36	S	S	S	63US	62US	40	S	S	33US	37S
11				58S	39	42	63UB	40	50	S	46	B	41	41	C	38S	34	44US
12				37S	53	56	53	40	57	S	44	48	59	37	S	50	S	45US
13				37S	45	B	56	45	48	48S	47	47	51US	42US	S	39	28US	40US
14				S	47	B	41	45S	43	51US	41	58	58	54US	C	S	C	48US
15				C	C	59	42	29	49S	S	42	56US	45	55	50	38	23	47
16				46S	67	54	48	C	47	29US	43	45	52S	53US	53	52US	31	44S
17				49S	56	46	47	C	S	48S	38US	51	55US	54US	48	47	26	39US
18				55S	65	43	38	C	S	52US	47	51	47	55US	C	52US	30	38
19				C	45	44	C	S	40	51US	48US	54US	61US	44	48	42US	C	40
20				S	45	54	41	25	43UB	52US	45	56US		52	S	38	28	47
21				43	S	48	47	27	52UB	S	44	59US	48	50	C	33	24	44
22					C	45	50	32	S	S	46	50US	C	52	46US	48US	25	48
23					42	45	29	37	45	46	36	50US	C	36	52S	39US	22	40
24					45	54	41	C	B	43	41	56US	C	47US	52	41US	37	42
25					51	53	27	S	50S	50US	44	48US	C	52US	51US	C	26	30S
26					C	59	50	B	S	S	44	59US	58US	S	44	C	32	30
27					C	52	46	S	S	48	50	S	60	S	50	C	39S	42US
28					41	45	41	37	S	C	46	58	58	B	C	21	24	B
29					42	54	39		S	C	43	54S	S	S	50	37	21	S
30					38	C	46		S	51S	42S	49	63S	49	43S	S	18	44
31						24	43		S		B		60	51		24		35
COUNT				7	15	29	28	13	18	8	25	14	19	16	14	17	21	19
MEDIAN				46	45	49	44	37	48	48	45	50	53	50	50	38	26	40

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	42	46		B	52S	52	B	51	55	48		42
02	C	38	C	B	55S	51S	B		51	32	31	32
03	C	48	39	55		48	54	60	S	43	31	49
04	B	B	44	B	56S	59	54	60	55S		36	30
05	48	37	43		56S	47		52	49S	46	C	27
06	B	40	48	49S	B	51	56	B		37	32	
07	C	37	48	53S	B		54S	55	52	42	31	32
08	S	41		C	B	56S	53	46	45	48		24
09	55US	B	45	59	56S	52	51		54	34	31	38
10	44	47S	48	C		58	B	51	50	31	33	34
11	B	37	44	S	B	S	60	53	49	39	31	36
12	B	41S	42		B	53		48	46	39	40	31
13	B	S	46S	48	S	52	60	50S		33	36	
14	B	32	49	47S	S		B	C	48	42	37	28
15	B	37		38	B	B	B	54	50	40		C
16	C	37	53S	49S	B	B	C		48	29	42	32
17	40	38S	56	S		55	B	56S	40	44	51	29
18	45	38	53	43S	B	50	54	59S	42		33	30
19	44S	39S	57S		45	52		59S	44	35	29	33
20	40S	47US	B	47	47S	53	B	56S		38	23	
21	42S	34	B	47S	47		50S	60S	47	29	25	33
22	41	B		54	49S	53S	51S	54S	40	38		33
23	44	43US	54	B	49	B	50S		C	31	31	33
24	48S	41US	B	41		53	45	S	40	29	31	40
25	C	B	54S	44	49S	53	B	53S	48		33	38
26	39	42S	B		44	55		53S	41	28	41	32
27	49	C	B	49S	B	49S	B	55S		36	28	
28	33	39S	52S	S	C		50	61S	40	34	30	25
29	60S			46	46S	54	42	59S	45	39		32
30	B		42S	S	51S	58	54		45	28	B	33
31	54S		B				50	55S		31		35
C	24	23	25	20	23	25	26	24	24	28	24	26
M	48	39	52	49	56	53	54	55	48	36	32	32

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.8* MHZ

	1957						1958											
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	S	S	46	C	31	32	29	30	S	31	41	42	47	35	43US	32	42
02	S	47	S	42	C	29	32	C	32	55S	S	39	45	50	C	42US	22	30
03	55	S	52S	47		C	41	C	39	48	40	50S	42	61US	S	41	21	22
04	53	C	56	42	41	39	28	C	33	47	41S	58	36	46	50US	28	31US	19S
05	S	50	54S	49	41	40	42S	C	B	50	B	52	62US	40	51	C	39US	C
06	49	51	57	38	40	36	C	C	36	28US		54US	53US	32	39	S	24US	C
07	51	58	C		38	39	56UB	C	46US	44	42	47US	37	37	49	S	25	C
08	53US	45	C	44	C	35	34	C	30	43S	44	44	52S	43	S	32	16	C
09	S	43	C	36		37	32	C	40S	50US	42	42US	44	51	50US	32	18	22
10	50	28	C	43		36	37*	39	50US	S	36	54US	54	36	S	S	28	27
11	44	44	C		51*	42	61UB	46	45S	S	38	55S	43	38	C	31	27	40US
12	56	52	C		43	49	52	43	48US	S	29	42	45	32	S	52US	25	42US
13	59	47US	56		40	B	41	36	47S	37S	42	42	44	44	49US	30	15	34US
14	57	42	B		42	47	C	37	33	49US	35US	45	49	53US	C	51US	C	39US
15	51	41	S		C	37	29	31	S	37	34	48	41	44	36	33	21	39
16	50	43	S		60	38	39	C	39	S	30	37	41	55US	39	S	21	41US
17	48	48	56		47	28	34	C	34S	43	S	43	49	48	36	52US	20	34US
18	40	54S	42		47	43	33	C	42US	49US	46US	43	36	46S	C	39S	22US	38US
19	53	54S	S		39	33	C	26	37	49US	42US	50S	52	41	47	S	C	35
20	51	43	54S		42	34	22	23	S	S	49US	49US		53	S	32	26	35
21	53	44	49		39	37	30	23	46UB	45US	42	49US	38	41	C	33US	12	35S
22	53	49S	S	39	C	39	45	33	S	47US	43US	33	C	45	34	42US	16	36
23	54	45	46	46	43	37	31	29	40	40	32US	34	C	42	47	33US	13	37
24	54	43	49S	47	56	37	32	43	B	44	39	52US	C	37US	43	36S	16	26
25	57	55	S	29	35	34	28	33	S	41	42US	38S	C	51	44US	C	20	35US
26	52	44	51	C	C	47	46	42	S	S	39	53US	49	S	35	C	21S	34
27	43	C	S	49	C	38	40	32	S	39	44S	S	S	S	53	C	S	42S
28	47	56	38	44	32	27	34	C	S	C	32	49	53	57US	C	20	17	B
29	56US	65	C	45	39	39	36		S	C	49US	38	S	S	48	29	14	S
30	54	S	44	43	35	S	42		S	47	S	43	52	44	50US	22	14S	38
31	C	C		31		46	33		S		43		49	51		30		26
COUNT	24	24	15	18	16	29	18	16	16	14	19	21	22	23	14	14	22	18
MEDIAN	52	46	52	44	42	37	34	33	39	44	40	43	44	44	41	32	20	35

* FROM 11 NOVEMBER 1957 THROUGH 10 JANUARY 1958 THE SAMPLING FREQUENCY WAS 3.0 MHZ INSTEAD OF 2.8 MHZ.

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY * MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	40	29		48S	53S	41	40	43	42	36		28
02	C	30	C	B	37	43	44		38	28	17	26
03	C	46	25	44S		42	37	42	40	26	16	26S
04	40	S	41	B	53	43	37	41	30		31	22
05	41	31	35		52S	43		43	37	35	18	17
06	B	34	43	B	52	42	40	48		29	13	
07	C	29	43	B	38		38	50	43	32	B	13
08	30	36		C	53S	48	42	38	34	42		25
09	47US	49	35US	46	52S	46	38		39	35	17	33
10	34US	42S	38	C		48	B	39	33	34	23	22
11	B	39	42	S	50S	S	42	39	37	38	27	26
12	46S	38US	41		42S	41		41	37	38	33	19
13	B	S	43	43	51S	50	46	38		32	31	
14	B	29	44S	S	49S		47	C	34	43	33	20
15	B	30		42S	40S	B	41	40	37	35		C
16	C	33	39	46S	48S	39	C		36	S	17	16
17	27	34S	52	22S		50	B	45	36	35	39	14
18	38	39S	49S	28	50S	45	26	44	35		23	22
19	39S	42S	53US		29	45		48	34	26	14	21
20	41S	38S	B	47	41	39	49	45		30S	18	
21	42US	50US	B	43S	41		38	43	36	39	30	25
22	S	S		47	43	43	41	48	40	38S		22
23	S	39US	43	B	46	48	40		C	26	27	13
24	44US	43US	B	28		46	35	44S	34	35	22	23
25	C	S	48S	39	38	52	B	39	31		34	28
26	40S	38US	B		36	39		41	31	30	31	24
27	38	C	B	43S	45	42	37	41		21	21	
28	30S	29S	50US	49	C		36	49	38	22	23	17
29	B			32	38	49	32	47	30	27		21
30	B		24	41S	37	43	41		34	33S	B	23
31	42S		B				33	44		33		30
C	20	17	22	22	25	25	26	25	25	27	25	26
M	41	34	43	45	45	43	40	43	36	33	23	22

* SAMPLING FREQUENCY 2.8 MHZ JANUARY - APRIL
3.2 MHZ MAY - OCTOBER
3.0 MHZ NOVEMBER - DECEMBER

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.7 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						C												
02						23												
03						C												
04						28												
05						25												
06						24												
07						26												
08						24												
09						25												
10						33A												
11					17	30												
12					16	29												
13					29	B												
14					24	30												
15						30												
16					37	35												
17					33	31												
18					29	26A												
19					25	26												
20					30	33												
21					47	23												
22					C	28												
23					29	35												
24					33	33												
25					27	29A												
26					C	34A												
27					C	25												
28					18	30												
29					41	37												
30					23	29												
31						29R												
COUNT					16	29												
MEDIAN					29	29												

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY * MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33	34UA		29S	46S		28S	30	32	27		19
02	C	26	C	33			29		35	22UA	18	19
03	C	S	18UA	39A			30	26	33	18A	10	22
04	33	S	26A	39	41	50	26	27	42		15	20
05	23	33	32UA		B			30	36A	27	17A	22
06	40S	23	36	35	50	26	34A	31		17	15	
07	C	26A	29	34	40S		25	26	36A	22	24	18
08	28UA	24		C	44S	43	28	21	27	21		20
09	21	33	24S	38	20	29	24		33	22	16UA	21
10	15S	28S	28	C		34	B	25	27	19	34	14
11	24A	28	23S	16SA	39	53	28	21	28	18	15	20
12	25	22UA	28UA		21	30		28A	28	19	16	14
13	37	S	33S	28UAS	27S		31	21		18	16	
14	34UAS	20	22	13	30		24	C	31	16	18	14
15	28	22		29	29	51		26	29	20A		C
16	C	23	32	34	33	29	C		30	17	21A	19
17	24A	21	32	42A		30	30	36UA	30	30	21	16
18	38	29A	28S	34A	38S	24		28	32		15	17
19	32	27	36S		27	26		40	26	18	26	17
20	21	27	B	40	41A	25	29	28		20	15	
21	S	27S	S	29S	20		15	27	27	17	14	28A
22	33	S		30S	31A	25	25	39	27	19		17
23	22	23US	31	B	24	36	25		C	22	22	16
24	27	18	S	37		30	22	37	30	15	20	26UA
25	C	S	32S	32	24	34	25	35	22USA		17	18
26	22	21US	S			29		29	25	13	22	16
27	30	C	B	40	30	28	19	32A		19UA	19	
28	19	22	31	32	C		20	44A	25	30	12	22UA
29	42			30	21	30	24	44UA	31	24UA		24
30	34		33US	26	32	40			24	13	40	15
31	28		S				24	21		12		29
C	23	18	16	16	16	20	20	21	22	25	21	24
M	25	23	31	34	34	30	25	27	28	18	15	18

* SAMPLING FREQUENCY 4.5 MHZ JANUARY - APRIL
4.6 MHZ MAY - DECEMBER

TOMSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						28C	C	C	C	C	C	B	39DS	36	35C	B	36	33C
02						30C	C	C	46DC	C	42	40C	43C	50DB	28C	32	32C	B
03						30C	B	C	C	32	B	36C	43DB	B	35C	32C	25C	B
04						42C	53C	C	36	34	56S	B	39S	34C	30C	28	31C	42DC
05						C	B	C	36C	30C	46	37DB	35C	40B	B	C	29	36C
06						34C	44C	C	32	B	42C	37B	34S	B	B	C	30	33C
07						B	46C	C	40DC	44D	B	S	C	C	B	C	32C	C
08						44C	51DC	C	34S	36B	38DC	31S	37	A	33C	C	35C	34C
09						28C	51S	C	C	C	29C	36C	F	B	C	C	33C	B
10						34C	B	B	C	35	32C	40C	B	35	B	30C	36	B
11						32C	46C	B	41C	C	39C	47S	B	B	C	28	34S	35C
12						34C	58DB	B	C	34C	35C	32	38B	B	C	31	B	C
13						38C	52C	C	38C	48C	39D	40C	38DC	B	C	35S	30	37
14						B	C	B	C	32	31C	C	34	B	C	33C	33C	36C
15						C	68DC	B	35	46DC	S	37C	39B	32	C	40C	29	35C
16						C	C	C	30S	36DC	42DB	39C	37B	B	C	28C	36C	B
17						S	46C	B	32C	33S	39	36	35C	34C	C	32C	35C	36C
18						B	C	C	36C	30C	34C	39S	33	30C	29B	30C	32	34
19						B	52D	38C	42C	36S	B	40S	45B	B	33	28C	43DC	C
20						B	B	B	39	36	31B	C	46D	B	30	28S	A	34
21						B	C	B	C	32	C	42D	32S	B	30C	30C	38US	B
22						B	C	B	36C	37C	36DS	42D	44S	B	31	34C	C	38
23						B	C	C	34C	38	33	38	40S	B	29C	29S	38S	B
24						B	C	C	36C	34C	32C	36	45C	35	45C	C	34S	B
25						B	C	37S	36C	34B	48D	C	C	32C	B	C	S	39
26						B	C	33C	C	34	32C	B	B	32	39S	C	C	34
27						B	C	48C	36S	S	B	29S	31	B	30	C	34S	33
28						B	C	34	36S	C	34C	S	B	50D	C	26C	36	37
29						B	C		39C	46S	B	40C	B	B	26	37C	40C	34C
30						B	C		38C	38D	C	34S	B	32B	33C	27C	A	B
31						B	C		33C		36S		36B	B		B		B
COUNT						27	15	14	23	24	27	25	28	29	21	22	25	35
MEDIAN						B	52	B	36	36	42	40	44	B	39	30	34	37

TOMSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	28	27S	C	B	32	34	30	34	38B	35B	36C	B
02	30	C	C	B	39	43	30	BS	B	33	41A	B
03	B	C	25	30	42	40A	32	33B	33C	27	39	37
04	38	28	20	32	36B	S	32	31	26	34	40A	34
05	S	34	B	32	40B	38	C	19	S	BC	36	37R
06	30B	46A	32B	48	45	37	31	24	S	B	41	B
07	29S	32	25	36B	39C	C	32	26	35B	32	34	33B
08	B	33A	26C	33	B	39	22	24	31C	C	40	39
09	B	B	C	37C	44B	B	30	B	C	36	42A	30
10	32B	32B	C	44A	46	36S	B	S	32C	42	44A	27
11	C	B	26	34B	B	B	32	24	23S	35	B	34
12	B	40B	C	BC	45	36S	36C	29A	24	C	BC	36
13	37B	38B	38	37	46B	BS	BS	28	C	27	B	41
14	27S	38B	33	32	35	B	B	C	S	34	B	39
15	28	S	39B	28A	34C	40	B	B	20	34	B	B
16	27	40	33	36	C	31B	39B	B	B	26	42C	34
17	26	35B	39	33	C	36	C	B	B	27	32B	32
18	32S	B	40B	38	B	31C	C	B	BS	C	40B	BS
19	37B	43	36	38	C	19S	C	B	41	22	38	30
20	BC	C	C	34	B	36	C	36B	B	28	A	30C
21	B	C	30	C	39	C	C	36	38B	24	41B	32
22	B	C	B	36	40	34	29B	28B	37C	26C	43	31
23	B	C	31	44C	42	S	B	B	46	24	39B	31
24	B	40S	44	38	45	35S	B	37B	43B	24	46B	A
25	B	C	38B	35	40C	33S	B	31B	38	26C	32	30A
26	B	33	38	31	40C	23	B	30	35B	30	34	30A
27	B	C	46	33	42	28S	31B	33	55B	39A	34	28
28	44	C	B	32	37	36B	31C	30	B	39A	30C	35A
29	38S		B	31	42	28	C	42B	B	25	35	34
30	31		B	36	A	32	30	32B	38B	28C	38B	36
31	26		39S		33C		31S	32		31A		32
C	29	18	25	29	27	24	24	24	25	28	29	29
M	B	43	38	36	42	36	32	33	38	30	42	34

TOMSK

PERIOD NCON UNITS 1.0 DB FREQUENCY 3.0 MHZ

DAY	1957 JULY	AUG	SEPT	OCT	NOV	DEC	1958 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01										C	C	B	39DS	C	30C	B	B	B
02										C	42	38C	40C	36C	29B	34	33C	B
03										C	B	40C	39B	B	B	B	37C	B
04										27	B	36	36S	32C	40C	B	F	B
05										32S	48C	36D	38C	42B	B	C	35C	A
06										B	38C	41B	36S	B	33A	C	35C	G
07										36DS	40	42	C	C	32	C	36C	C
08										B	36C	40DB	38	A	30C	C	41D	A
09										C	B	32C	35S	B	C	C	34C	G
10										B	35	42S	B	36	50DB	B	B	G
11										C	B	B	B	B	C	B	38C	G
12										26C	33	31B	35	34B	C	24C	C	C
13										C	38DC	42C	41B	50DC	C	50D	C	G
14										21C	34	C	40C	36	41C	34C	34C	G
15										32C	32S	36B	39C	36C	C	S	36	G
16										24	40C	39C	43DC	B	C	37C	B	B
17										26S	38S	37D	38C	32C	C	B	C	B
18										27C	35C	41DS	29S	36C	32	B	C	A
19										24C	41D	41C	40S	50DA	B	B	S	C
20										23	39S	C	40DB	32C	B	B	C	G
21										24C	44C	S	35C	36	C	50DB	C	G
22										26C	40D	37B	41C	B	36B	C	C	G
23										39B	42	38C	38	39B	33S	B	C	B
24										30DC	35	36	36C	36	42C	C	34	B
25										22C	46DC	C	C	35C	B	C	S	G
26										28S	32B	42DB	39B	34C	S	C	C	G
27										S	41C	35S	B	B	40	C	C	36C
28										C	42D	40S	36	37	C	32	37C	26
29										38D	B	33C	39B	B	33S	C	44DC	27C
30										32B	40C	32S	B	36B	34C	B	A	B
31											38S		36D	34		34B		B
COUNT										22	30	26	29	28	20	19	19	12
MEDIAN										29	40	40	39	39	B	B	37	B

TOMSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	G	G	C	43	26	35	22	20	19	26		
02	G	G	C	34	24	28	20	28	22	20		
03	B	C	18	29	32	26	22	13	16	18		
04	G	G	14	30	25	32C	21	14	14	24		
05	S	S	21B	28	32	31	C	6	S	CG		
06	EG	A	18	37	32	22	18	20	13	23		
07	G	R	18	25	26	C	17	20	30	28		
08	B	R	16C	37	30	24	14	15	10	C		
09	G	R	C	27	31	26	22	14	C	28		
10	B	R	C	32	A	27C	24B	5	24C	26		
11	G	R	20	30	30	40B	20	20	19	21		
12	B	C	C	C	31C	25	29C	20	18	C		
13	ES	R	21	21	20B	S	24B	24A	C	11		
14	G	R	22	23	31A	33C	B	C	8	15		
15	G	S	24	32	C	28	26	17	7S	15		
16	G	G	27	23	C	22B	26B	18	12S	13A		
17	G	R	29	28	C	23	C	27	16C	10A		
18	G	BA	25	28	36C	21S	C	34S	30	C		
19	G	R	24	31	C	A	C	18	21	24A		
20	C	C	C	25	28	36A	C	34	24	A		
21	B	C	27	C	28	C	C	14	28	16		
22	B	C	C	24	26	28	26	25	26	16C		
23	G	C	28	28C	27	S	30	28	25	14A		
24	B	40	30S	C	36	39S	24	22	32	A		
25	EG	C	40B	28	31C	26S	28	21C	24S	CA		
26	B	29	36	30	30	22	27	23	32	G		
27	B	C	39	32	26	21	21	22	31	14		
28	G	C	31C	32	26	21	16S	16	36	A		
29	G		31C	21	33	22	19	16	24S	11		
30	G		45	25	A	15A	20	25	30	11C		
31	G		30		C		18	27		A		
C	12		24	26	24	24	24	29	27	21		
M	B		27	28	30	26	22	20	24	16		

TROMSO

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1957											1958						
DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	57D		23S			38S	42S	58D			49S	37S	39S	49S		12
02	C	C	55D	19S	26S	17	30			55D	58D	45S	36C	41S	37S	48DS		9
03	C	C	57D	25S		14	23S	42S	49DS		35S	34S	41S		37S	48		10
04	C		62DC	31S	13	21	4	34S	47S			32S	38S	51S	30S	44S		15SF
05	46D	19S	45S	C	53D	38		19S	50D		49DS	41S	38S	29S	36DS		20S	15F
06	50S	C	43S		29S	33	9	30	54DS		31S	52S		22	34S	29S	40S	12
07		40DC	33S	19S	20	FS	16A	32	56D		42S	50S	54D	44S		42DS	28S	
08	33S	42S		18	33S		12	57D	58D	47S	30S		55D	30S	46S	50DS	22S	C
09	C	40S	34	18	29S	16	10A			50S	26S	38S	54D	34S	48S	35S		40DS
10	30S	50	51S	44D		18	9	53D	50DS	51DS	48S	46S	56D		51DS	26S	19S	18
11	27S		30S	26S	43DS	20	9	60D	58D	57D		42S	55D	41S	46S	23S	16S	22
12	34S	40S	40S	38S	56D	30S		58DS	52D	42S	C	46DS	50DS	49S	54S	21S	26S	14
13	36S	47S	48DS		42S	19	11	58D	56D		C	53DS		50S	45S	28S	42DN	13
14		30S	35S	26S		22	47D	57D	59D	36S	38S	40S	52	38S	58DS	23S	34S	
15	38C	41S		29S	35D		47D	52DS	56D	43DS	C		47S	34S	40S	29S	45D	15
16	28S	28	32S	33S	14F	29	C			50DS	C	24S	32S	55D	33S	51D		15
17	38S	29S	29C	34S		32DS	15	24	62D	49S		27S	29S		46S	35S	18S	10
18	42S		39S	24S	31	27S	24C	58D	63DS	48S	36S	20S	47S	48DS	31S	28S	20N	16
19	50S	46S	C	27S	26	28S	S	58D	54DS	54DS	52DS	48S	50DS	51DS	28S		S	26S
20	49S	44D	52DS		16F	34S	S	52S	52D	54DS	36S	33S		53DS	25S	20S	24S	26S
21		48D	62D	52D	30	16S	35S	56D	62DS	56D	32S	45S	47S	36S		19S	19S	
22	27S	34S		44D	14	17	40S	56D	60S	55D	30S		42S	53D	24S	23S	17S	40DS
23	26S	28S	53D	44D	11		47			40S	28S	48S	29S	52DS	53D	39S		17
24	31S	42S	52D	37S		9	17C	50S	60D	48S	31S	48DS	36S		48D	47S	C	28S
25	46S	27S	49S	34S	27		22S	51S	66D	40S		57D	37S	58DS	59D	29S	37DS	
26	35S	35S	40S	17S	46DS			48	62D	36S		31S	37S	59D	56DS		32S	
27	28S	33S	53S		24S	12	50D	36S	58D		35S	36S	36DS	58D	54S	40S	44S	27S
28		54D	54S	42S	25	14	53D	42S	51DS	56D	50DS	41S	28S	51D		38S	12S	
29	40S	49D		13	38DS		40S		64D	40S	45S		48S	52D	50S	38S	S	14
30	46S	53D	39S	43DS	32	25F	13			54S	50S	38S	45S	55D	40S	34S		14S
31	24	51D		16		46S	18C		51D		36S		51S			47S		20S
COUNT	22	24	25	25	25	23	24	24	26	23	21	25	28	26	27	28	19	24
MEDIAN	36S	40S	48S	29S	29	21	20	52	56D	50S	36S	41S	46S	50S	45S	35S	24S	15

TSUMEB

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.2 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
		1957										1958						
01		47	56H	65H	75UH	75DH	68H	58	61H	78D	56	46	42	62	48	64	77H	65H
02		48	77DH	62H	72H	73D	61	72UH	59	69	64	42	41	54	65	53	66	71
03		61	73DH	67UH	69H	80DH	65	61H	79D	64	C	36	49	58	52	C	66H	62
04		39	61H	62	73UH	64	69H	67H	64	63	58	47	45	60	58H	56	65	74
05		43	54	60H	75H	76H	59	58	54	64	58	37	45	54	57H	58	66	61
06		44	76DH	66UH	70H	65	69	68H	63	57	51	54	42	53	56H	55	62H	C
07		37	62UH	84	69H	64	64	75DH	79D	78D	52	53	49	55	56H	62	59	74
08		49	H	69H	68H	66H	67H	71	68F	56	52	42	41	50	47H	62	66H	63
09		50	H	65H	63	73H	65H	72H	73H	59	50	41	35	54	59	62	63	62
10		40	59	64H	63	64	66	62H	63	59	50	43	46	51	55	59	57	68
11		48	71UH	68H	77DH	63H	64	59	62	60	50	47	47	47	61	59	54	76
12		48	H	74DH	72H	64H	67	62H	61	53	52H	40	38	48	68	62	55	73D
13		43	65H	70H	67	62	77DH	66H	59	54UC	47	39	48	C	77DH	60	71H	61
14		46	59H	71	62	61	64	61H	59	59	47	40	38	47UC	70	69	55	68
15		44	H	64H	67	51H	80DH	67H	59	54	54	41	42	54UC	69	75DH	56	74
16		43	70H	68H	68H	C	66H	63	C	55	46	40	41	56UC	66	67	54	58
17		43	71UH	61H	67	80DH	70H	80DH	71H	55	C	36	41	49	80	72	57	63UC
18		50	76DH	74UH	80DH	67H	67H	53	55	70	37	39	34	65	60	66	63	57
19		C	78DH	80DH	69	80DH	66	57	C	48	40	54	38	59	59	72	54	58
20		47	70UH	77UH	67H	80DH	62	52	79DH	55	36	34	36	49	56	67	53	77D
21		46	78UH	73H	72H	69H	68H	47	70H	C	44	42U	38	51	52	64	52	66
22		44	64H	72H	67	79DH	55	53	79D	C	45	42	35	51	63	60H	56	74
23		47H	67UH	H	69	69H	66H	59	79D	C	45	44	44	52	58	61	63U	69
24		52C	61H	80DH	80	68H	59H	69H	77	42	45	43	46	52	52	69	C	61
25		58H	65UH	75DH	65	70H	77DH	62	60	53	45	42	44	C	64	61	64	61
26		52	68UH	76DH	67	80DH	58	56	75H	51	50	49	48	C	60	56	66	59
27		45	68H	80DH	66	78DH	56	57	C	C	45	42	48	46	60	C	62	58H
28		79DH	H	H	66	78H	60	60	78DH	51	35H	46	61	82D	66	65	C	69UC
29		51H	C	80DH	62	70H	62		C	52	39	41	51	55	56	67	66H	55UC
30		54H	78DH	H	61	73UH	53		79D	50	39	41	52	59	59	60	77H	59
31		H		69H		67H	62		66		42		63	54		81D		60
COUNT		29	24	28	30	30	31	28	27	26	29	30	31	28	30	29	28	30
MEDIAN		47	68H	69H	68	70H	65	62	66	55	47	42	44	53	60	62	62	63

TSUMEB

PERIOD NCON UNITS 1.0 DB FREQUENCY 2.8 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
		1957					1958											
01		34	47	57H	63H	63H	61	49	49	73D	43	37	31	48	45	C	70	58
02		34	63H	55	64	59	53	59	48	60	51UH	35	35	46	52	51	52	57
03		45	55	59H	62	H	55	63H	79DH	55	C	28	40	46	46	C	57	54
04		29	48	53	63H	59	59	59	50	53	45	39	33	50	47	C	57	54
05		39	44	50	62	62	54	52	48	60	50	34	38	45	46	50	55	54
06		36	56	58H	58	56	55	59	50	59	40	39	35	42	45	51	48	C
07		32	58UH	57	60	57	55	67H	73DH	73	41	41	38	43	44	51	48	62
08		39	58	58	59H	55	59	54	57H	48	44	38	37	41	47H	49	53	52
09		42	51	58H	55	62	54	59	68H	50	37	43	37	44	50	53	52	58
10		34	48	52	55	50	57	47	C	51	38	35	37	41	44	53	47	67
11		38	55	62H	59	54	52	53	58	53	40	38	38	39	56	51	45	63
12		36	58	62H	66	61H	56	52	50	59	37	33	32	39	54	53	48	59
13		38	50	63H	57	52	57	54	50	C	46H	34	37	C	59	49	55	53
14		36	46	67D	56	53	54	55	49	48	42	38	32	40UC	55	54	44UC	59H
15		37	54	53	55	57	67H	57	47	59	38	34	38	45	56	61	48	62H
16		35	56	61H	58	C	56H	49	C	47	36	30	32	50UC	53	55	47	58
17		37	63H	52	57	70H	57	70H	60H	54	C	25	34	42	64	57	49	C
18		41	75DH	64H	69H	56	57	44	44	54	31	32	27	52	50	62	54	49
19		C	71DH	80DH	54	63H	54	46	53	46	32	38	33	42	47	61	48	52
20		37	59	61H	53	H	48	44	69	50U	27E	30	31	39	45	55	49	73D
21		39	76DH	71H	65H	59	57H	47	62	C	34	37	33	51	45	56	48	53
22		36	53	59	61	65H	49	50	74H	C	33	36	29	51	51	53	47	58
23		43	56H	H	60	59	57	45	80D	C	37	36	35	52	44	54	50	60
24		C	52	67H	75D	57	50	59H	57	36	36	C	35	52	46	54	C	50
25		46	57H	63H	51	58	69D	43	53	51	40	C	32	C	53	50	56	50
26		42	57	57	53	67H	47	46	65H	44	44	C	42	C	58	52	54	52
27		41	55	75H	59	68H	47	49	C	C	35	33	36	44	49	C	56	50
28		75UH	51	68H	53	68H	49	51	77H	42	31	38	51	78D	49	51	C	64
29		40	C	73H	56	57	55		C	43	32	C	41	49	50	53	59	47
30		43H	67	65H	52	61	49		81D	41	30	C	44	44	47	54	68H	59
31		58H		58		56	51		61H		37		46	47		69		57
COUNT		29	29	30	30	28	31	28	27	25	29	25	31	28	30	27	28	29
MEDIAN		38	56	60H	58	59	55	52	57	51	37	36	35	44	48	53	51	57

WINNIPEG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
			1957									1958						
01						B	B	DB	B	B	DB	B	S	B	41	41	45	S
02						44	B	DB	B	B	DB	DB	B	32	B	32	DB	53
03						S	B	48	C	41	B	DB	B	DB	B	DB	47	C
04						B	B	DB	DB	DB	DB	DB	DB	S	DB	B	45	DB
05						DB	B	DB	B	DB	B	DB	DB	B	B	B	DB	S
06						DB	DB	DB	DB	DB	B	B	S	DB	S	DB	DB	DB
07						42	DB	DB	DB	DB	38	DB	DB	DB	DB	S	B	45
08						B	51	B	48	DB	B	DB	DB	DB	DB	DB	B	DB
09						B	DB	B	DB	39	B	DB	DB	B	B	43	B	S
10						DB	51	DB	B	DB	33	DB	B	B	B	S	B	S
11						31	56	DB	DB	DB	33	DB	33	DB	B	B	47	S
12						DB	41	C	DB	45	S	B	38	47	B	32	DB	B
13						DB	DB	DB	DB	B	DB	B	32	46	DB	36	35	B
14						48	43	S	DB	DB	DB	40	DB	DB	B	39	31	DB
15						DB	DB	DB	DB	B	B	B	21	DB	DB	20	37	DB
16						S	DB	DB	B	DB	DB	B	38	DB	DB	42	35	B
17						S	B	DB	DB	DB	DB	B	S	DB	DB	B	37	S
18						S	DB	DB	DB	DB	B	35	38	S	B	B	32	B
19						B	DB	DB	DB	S	S	B	34	S	S	DB	S	B
20						32	DB	B	B	DB	DB	33	DB	43	S	22	B	DB
21						40	DB	B	DB	B	B	DB	B	47	37	36	DB	DB
22						C	B	B	DB	B	DB	34	DB	DB	27	DB	28	DB
23						C	DB	DB	DB	DB	B	DB	B	48	S	DB	41	DB
24						C	DB	B	DB	DB	B	DB	30	DB	B	DB	DB	DB
25						C	DB	41	DB	B	40	DB	B	DB	DB	28	DB	61
26						C	DB	DB	DB	DB	DB	DB	B	DB	DB	DB	B	DB
27						C	B	DB	DB	DB	33	DB	B	DB	DB	32	S	DB
28						C	DB	DB	DB	S	35	S	B	DB	DB	DB	28	DB
29						C	DB		DB	DB	DB	DB	B	DB	S	DB	40	DB
30						C	54		DB	DB	DB	DB	B	DB	S	DB	40	DB
31						B	DB		44		37		DB	B		DB		DB
COUNT						18	31	27	30	29	31	29	31	31	30	29	27	24
MEDIAN						B	B	DB	DB	41	B	DB	B	DB	DB	B	47	DB

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

ABERYSTWYTH

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.95 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	22	C	C	C	26	28	26	C	24	22	C	16
02	28	29	C	C	22	22	26	C	25	24	18	15
03	21	25	8	C	C	27	30	C	35	19	13	17
04	18	20	16	C	23	24	25	C	27	C	13	17
05	C	19	16	C	24	C	C	31	23	24	18	18
06	22	22	23	C	25	22	29	C	C	31	15	C
07	18	15	14	17	21	C	29	C	25	31	20	14
08	20	18	C	18	20	27	29	C	24	22	C	15
09	15	C	20	C	C	34	33	C	26	26	22	19
10	20A	13	23	C	C	23	30	26	27	29	16	19
11	34	16	22	22	28	C	C	33	20	C	14	22
12	C	20	15	C	23	32	C	29	19	26	20	C
13	33	23F	19	26	30	33	35	28	C	24	13	C
14	18A	24	13	22	23	C	26	29	26	20	C	15
15	20	25A	C	20	23	32	30	31	29	20	C	16
16	15	C	15	31	27	33	32	C	16	16	25	22
17	11	24	19	21	C	29	32	28	21	20	23	24A
18	C	25	23	22	29	27	29	26	21	C	28	22
19	C	22	24	C	26	25	C	26	17	17	12	28
20	27	23F	15	28	26	31	28	22	C	14	16	C
21	21A	20	20	25	26	C	30	30	20	14	C	21
22	32	12	C	24	24	29	32	25	24	13	C	23
23	21	C	12	21	27	30	32	C	21	16	20	21
24	16	10	31	21	C	34	28	24	21	18	16	32
25	14	20	C	24	30	27	31	24	C	C	16	21
26	C	14	26	C	28	25	C	23	21	16	14	31
27	18	16	23	23	24	29	32	27	C	17	16	C
28	21	14	C	23	28	C	31	26	23	16	38	17
29	25	16	C	27	24	27	29	C	C	14	C	21
30	22		C	27	C	30	C	C	22	14	14	18
31	28		C		C		29	18		12		14
C	26	25	21	19	24	24	25	19	24	27	23	26
M	21	20	19	23	25	28	30	26	23	19	16	19

ABERYSTWYTH

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.95 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	22A	24	18	28	C	31	33	C	32	27A	C	19
02	25	28	21	28	C	31	27	30	29	28	20	18
03	C	27	23	28	20	32	22	27	32	C	22A	14
04	26	22	23	C	30	31	C	29	C	27	23	C
05	19	17	18	19	27	28	26	29	C	23	20	C
06	20	13	19	22	28	C	24	30	29	23	22	27
07	21	C	C	22	29	30	29	C	27	26	C	28
08	19	15	19U	24	C	31	29	C	26A	30	21	21
09	20N	C	18U	22	C	29	34	31	30A	C	18	28
10	C	C	21U	20	27	30	30	34	29	C	17	31
11	C	28	21U	C	29	32	C	29	22	21	24	32A
12	22	26	C	22	30	27	31	27	C	22	20	C
13	21	28	24U	28	32	C	31	27	21	20	22	19
14	21	C	C	24	30	30	32	C	26	21	C	19
15	21	25	22	28	33	33	30	C	28	20	16	29A
16	28	19	23	26	C	29	C	33	29	17	17	C
17	C	24	18	22	31	41	34	27	27	C	16	28
18	18	21	24	C	27	34	C	29	32A	20	18	28
19	25	16	19	C	33	30	28	29	C	21	14	C
20	23	19	22	28	30	C	29	27	33	21	18	23
21	22	C	C	38	29	31	30	C	27	18	C	34
22	21	20	23	27	C	28	29	C	24	22	20	39
23	24	20	11	23	35	27	C	32	28	17	20	24
24	C	23A	22	28	30	C	C	41A	24	C	20	30
25	20	20	24	C	32	26	C	38	27	26	22	C
26	22	18	28	24	33	25	31	33	C	19	26A	C
27	23	C	27	24	34	C	30	29	31	20	C	C
28	17	C	C	29	32	30	28	27	25	22	C	C
29	18		26	31	35	22	25	C	33	20	14	38
30	C		24	25	C	27	28	27	26	C	21	C
31	C		24		25		31	26		C		C
C	24	21	26	25	24	25	24	23	25	24	24	20
M	21	21	22	25	30	30	29	29	28	21	20	28

ABERYSTWYTH

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.50 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	9	C	C	C	N	A	A	C	A	12	C	6
02	13	13	10	C	22	A	A	C	A	A	10	9
03	20	20	11	C	C	A	A	C	A	13	9	5
04	13	12	12	C	A	A	A	C	19R	C	8	5
05	C	13	N	C	21	C	C	R	A	A	8	7
06	11	15	13	C	A	A	R	C	C	A	A	C
07	8	12F	14N	20R	A	C	R	C	17	A	7	A
08	13	11	C	20	A	22R	24R	C	R	A	C	3
09	9	C	16	C	C	A	R	C	A	13	10	9
10	7	12	15	C	C	R	27R	A	A	12	7	6
11	13	9	18	23	A	C	C	A	R	C	6	A
12	C	11	18	C	A	A	C	A	19R	14	7	C
13	12	12	16	22F	R	A	28R	17R	C	11	9	C
14	8	15	14	22	R	C	A	A	17R	9	C	12N
15	11	14	C	23R	25	A	A	R	17N	11	C	8
16	5	C	13	22	22	A	A	C	A	10	8	9
17	3	14	14	20	C	A	A	20R	13	10	13	7A
18	C	17	16	22	R	A	A	20R	18	C	12	4
19	C	17	14	C	R	A	C	20R	16N	10	4	10
20	12	18	16	20N	20	A	A	18R	C	8	6	C
21	11	N	14	N	A	C	A	18R	17A	9	C	5
22	11	10	C	22	23	A	A	19R	15R	8	C	8
23	8	C	17	18	23	R	24R	C	19R	6	8	A
24	7	8	23	21	C	A	R	A	17R	6	7	13
25	6	15	21	18	22	R	R	R	C	C	6	12
26	C	9	20	C	A	R	C	A	13R	7	7	14
27	11	12A	16	A	R	R	A	18R	C	10	5	C
28	16	10	C	19	A	C	R	A	12N	8	15	9
29	17	11	C	A	A	A	A	A	C	8	C	10
30	20		C	A	A	A	C	C	11R	6	7	8
31	14		C		C		R	A		7		7
C	26	24	22	15	8	1	4	8	15	22	22	23
M	11	12	15	21	22	22	26	19	17	9	8	8

ABERYSTWYTH

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.50 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	7	13N	11N	20	C	R	A	C	A	R	C	5
02	13	17	15	21H	C	A	A	A	H	19	14	6
03	C	13	13	19	A	A	A	A	H	C	12	7
04	11	11	10	C	A	A	C	R	C	18	13	C
05	8N	9N	H	21N	A	A	A	A	C	17	16	C
06	8	8	12N	18	20A	C	A	R	A	A	C	16
07	11	C	C	N	A	R	A	C	A	17	C	14
08	10	7	11	22N	C	A	A	C	A	A	13	8
09	11N	C	13	21N	C	R	A	R	A	C	12	11
10	C	C	14N	A	28	A	R	27	21	C	11	A
11	C	13	13	C	A	A	C	A	A	14	14	14
12	10	13	C	A	A	A	A	R	C	14	11	C
13	12N	16	12N	N	A	C	A	A	19	14	14	10
14	10	C	C	22	25A	A	A	R	19	14	C	9
15	10	13	16N	25N	A	A	32R	C	A	A	12	6
16	13	12	14	N	C	A	C	A	21A	14	6U	C
17	C	13	13	25N	25	27	A	A	H	C	9U	A
18	10	15N	12	C	27R	A	C	A	20	14	10	6
19	13	12	12	C	A	A	A	A	C	12	A	C
20	12	10	15	23N	A	C	A	22	H	13	10	5
21	8	C	C	26	29R	A	A	C	A	14	C	10
22	11	10N	13	24	C	A	A	C	H	13	11	11
23	11	12	16	24	A	A	C	A	H	A	13	4
24	C	9A	14	A	A	A	C	22	A	C	10	10
25	10	A	15	C	A	R	C	21R	15	A	10	C
26	14	8	19N	28	A	R	A	28	C	16	14	C
27	15	C	A	24	A	C	A	A	21	A	C	C
28	9	C	C	A	A	R	A	A	F	A	C	C
29	9		A	A	A	R	R	C	A	A	11	12
30	C		17	A	C	A	A	25	A	C	6	C
31	C		16		A		A	22		C		C
C	24	20	23	16	6	1	1	7	7	15	22	18
M	10	12	13	23	26	27	32	22	20	14	12	9

ALMA ATA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	27	26	18	21	32	41	32	35	32C	31	23	29
02	19	20	20	16	34	37	38	35	C	33	20	23
03	C	19C	28	22	32	39	33	32	35	31	19	20
04	23	18	33	30S	37	40	35	36	C	34	26	25
05	30	17	26	33	34	35	34	29	C	37	25	21
06	23	22	23	21	40	42	34	32C	20	34	20	20
07	29	20	22	22	36	37	41	36C	34	33	22	17
08	26	25	34	27	45	39	32	24	31	34	35	19
09	21	22	26	30	31	31	31	36	34	33	23	16
10	48	24	26	30	31	40	33	C	33	27	23	15
11	44	25	28	37	34	36	38	32	38	29	12	16
12	25	25	31	25	35	32	36	35	35C	27	15	19
13	44	22	26	20	34	36	C	37	31	29	27	22
14	51	26	33	39	29S	43	36	25	31	25	20	21
15	36	27C	31	32	42S	41	34	34	39	31	20	24
16	32	31	38	37	39	43	28	33	32	27	22	20
17	19	22	31	34	30	50C	42	30	25	22	20	25
18	17	28	23	33	45	46S	33	31	31	26	20	31
19	C	27	34	38	36	41	36	29	28	20	25	28
20	27	28	26	31	34	46	26	39	32	20	20	28
21	26	22	27	32	30	35C	C	21	21	30	22	30
22	54	31	25	22	32	42	31	32	31	19	21	26
23	29	34	22	31	30	40	35	27	34	18	22	32
24	C	32C	27	35	35	36	34	27	32	22	21	34
25	32	27	33	33	30	34	34	30	37	24	18	24
26	42	22	32	30	35	42	34	32	26	20	26	27
27	39	24	28	38	36	38	34	26	32	22	19	27
28	24	17	41	34	41	33	34	C	37	17	18	22
29	27	21	41	42	35	36	30	C	C	18	23	21
30	27		32	29	44	38	42	C	35	13	C	18
31	17				34		42	C		19		19
C	28	29	30	30	31	30	29	26	26	31	29	31
M	27	24	28	31	34	39	34	32	32	27	21	22

ALMA ATA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	31	27	17	25	31	37	32	34	28	24C	21	21
02	37	15	19	26	34	34	36	35	24	26S	12	20
03	33	15	21	28	29	37	31	37	27	24	18	17
04	26	17	19	C	27	36	36	36	28	17	28	18
05	43	27	25	32	30	33	35	39UR	32	27	23	17
06	37	27	27	23	32	39	36	27	21	C	21	22
07	46	26	26	25	33	38	C	34	24	22	25	19
08	46	19	23	29	30	34	35	27	19C	23UR	14	17
09	45	16	22	37	31	43C	32	35	29	22UR	18	C
10	46	27	24	29	26	37	C	35	29	27	26	19
11	26	18	20	31	34	39	40	34	29C	24	14	20
12	25	27	21	30	30	36	C	45	C	30	22	21
13	28	28	18	36	35	41C	33	32	31	20UR	22	18
14	39	25	29	34	36	37	31UR	29	28	14UR	22	15
15	32	25	23	37	33	36	C	C	30	C	20	19
16	28	25	25	31	34	48	31	37	22	22C	18	21
17	36	34	19	30	38	35	34	33	29C	16	17	19
18	21	31	30	31	37	38	30	26	29C	17	15	14
19	23	19	26	29	34	34	30UR	39	29	19	14	C
20	23	C	28	31	42C	39	34	31	28	20UR	19	17
21	36	C	29	29	36C	32	38	34	25	24	19	11
22	27	C	31	28	25C	32	44	29	28	24	19	18
23	28	24	22	35	35	36	33	28	31	22	20	20
24	33	31	29	31	33	34	32	35	29	26C	12	15
25	40	23	29	31	32	34	41	31	27	27UR	15	19
26	24	27	31	28	40	32	C	36	18	23	17	18
27	25	22	30	28	39	34	30UR	35	31	29C	14	22
28	27	22	29	C	36	33	36	39	23	23	19C	34
29	25		24	28	37	34	37	38	19	14	18	29
30	28		26	33	39	31	43	38	28	18	16	23
31	27		30		32		40	29		14		36
C	31	25	31	28	31	30	26	30	29	29	30	29
M	28	25	25	30	34	36	34	34	28	23	18	19

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		39				40	42	30	29	26		22
02			33			33	38		34	30	6UC	20
03		35	45	26		38	C	24US	26	34	16UC	28
04		C	43	28	30	37	41US	8UC	23		26	22
05		40	38		28	C		30	22	32	19	
06		32	40	27	27	C		29		35	22	
07		39UC	38	29	26		40	28	21			22
08		26		31		C	34	29	20			17UC
09			47	29	24	36	35		25	C	18UC	18
10		24	41	C		36	32	29US	20	22	16US	19
11		38	53B	30	24	C	35	29	25		16UC	17
12		24	C		25	33		32US	30	27	23	24
13		34	C	C	30	29	37	31		18UC	16UC	
14		23	C	25			31		23	22	22	21
15		39		C		37	34	26	21	28		27
16			C	24	22	37	39		25	25	23	22
17		26	C	45		26	37	28	26	18UC	16UC	21
18		34	30	48		34	32	27	26		19	26
19		20	39			34		25US	30	27	18	26
20		27	C	40	28	39	38	29		18UC	18UC	
21	42	41	C	23	32		37	24	29	28	22	
22	34	44	C	28		37	32	28	23	C	18	26
23			C	20	25	35	29		22	30	27	27
24	43	46	C	29	C	34	C	27	28	21	21	
25	34	47	C	27	C	C	30	C	22			
26		45	C		C	38		26	24	29	22	
27	35	46	C	23	C	37	35	30		19	21UC	
28	38	44	C	34	C		C	17	20	23		
29	36	42	C	28	29	C	31	23	18	19		27
30	30		C	26	30	36			22	23		
31	32		C					24		28		
C	9	24	11	21	14	20	21	24	26	23	22	19
M	35	38	40	28	28	36	35	28	24	26	19	22

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		23	17UC	29		7UC	19		18UC		16	15UC
02		25	17UC			9UC	22	42	17US	22	26	19
03		25	16UC	16	13	11	20	40	24		18	18
04	23	20	15		22US	23		30		28	23	26
05	39	25	19	18	23	7UC	25	29		33	C	
06	29	31	20		22		16	41			C	20
07	30				15	20	22	27		24UC		23
08	22	25			C	18	18			30		19
09	26	28	20			C		33		24	C	19
10		30	22		23	10	26	31			26	14
11	27	20	23		18	C		28		41	C	C
12	24	17	21		10UC	22	32	30		39	C	
13	27	23	20		C		27	30		23	20	24
14	22				21		24	29		26	C	28
15	32	17	22		24	13	31			32	15	23
16	23	26	23			21	31	30		30	16	24
17		C	19		18	20	21	28			8UC	20
18	20	C	31		27	16UC		C		54UB	15	11
19	26	30	23		23	10	27	27		37	7UC	
20	23	C	22	31	19US		26	3UC		C	7UC	23
21	31			29	19	9UC	C	10	25US			7UC
22	24		20	23	19	13US	27		16	22	14	25
23			21	28		12US		22		22	12	25
24					C	10		15	14		10	C
25			19		12UC	8UC		23	27	29	23	23
26	30	24		21	19	9		13		19	20	
27	25	24		28	15US				23		20	17
28	28			20	12US	6UC		17	27			27
29	26		30UC	29	22	17			20	19	11	19
30	23		19	29		11		20	34	25	14	23
31			26		24			15				25
C	22	17	23	12	22	23	17	24	11	20	20	25
M	26	25	20	28	19	11	25	28	23	27	16	23

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		24				32	23	20UF	28	22		22UR
02			39			26	33		20	20	21	20UR
03		26	33	42UC		39	C	21UF	17	28	29	24UR
04		25	40	28	47UC	38	28	9UC	11UC		20	27UR
05		22	26		35	31		28	22	25	24UC	
06		26	36	27	29	C		21UF		27	C	
07		26	35	25	23		17	21US	13UC			24
08		28		35		C	27	23	15			24
09			36	29	29	33	39		26	27	28US	17UR
10		24	33	C		38	26	22US	19	26	27	C
11		31	37	32	26	C	21	20US	25		12UR	21
12		29	C		23	36		16UF	23	29	17UC	23
13		26	C	25	14UC	36	32	20		29	23UR	
14		17UC	C	30			27		25	22	18	27UR
15		37		C		35	27	13UC	25	16UC		27UR
16			C	30	33	36	31		22	26	22	23
17		22	C	44		25	29	18	19	10UC	21	32UC
18		34	32	45		17UC	26	17	28		26	20UR
19		17	C			33		19US	18	10UC	18	
20		C	C	15UC	29	40	31	C		31	24UR	
21	33	31	C	24	36		32	17US	22	29	25UR	
22	33	34	C	35		39	28	20	12UC	C	20UR	26
23			C	23	34	37	20		20	32	15UR	25
24	28	34	C	22	C	34	C	15UC	21	11UC	18UR	
25	21	30	C	25	C	C	24	C	24			
26		41UC	C		C	39		21	28	17	21UR	
27	24	34	C	29	C	38	35	18		19	20	
28	32	25	C	37	C		C	8UC	25	27		
29	29	27	C	30	32	C	26UF	13UC	22	17UC		C
30	28		C	27	31	40			18	29		
31	30		C					17		21UR		
C	9	24	10	22	14	21	21	23	26	24	21	16
M	29	28	36	29	29	36	27	18UC	22	25	21US	24UR

ASHKHABAD

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		21	11UC	20		8UC	7UC		16		20	14UC
02		15UC	17			17	17	44	24	28	12	20
03		21	14UC	19	14	15	16	32	16		16	28
04	28	8UC	12UC		17	20		28		27	29	14
05	27	24	15	13	19	11	11UC	23			40	
06	22	27US	19		19		11	46			7UC	10US
07	25				22	28	16	25		13		28
08	21	24			14	22	8			28		16
09	20	24	13UC			C		25		24	C	18
10		11UC	18		24	18	20	23			22	17UC
11	17UC	17	22		18	C		18		18	C	C
12	24	16	21		18	C	23	24		19	C	
13	23	16	17		26		33	24		19	17	23
14	18				25		25	26		24	C	17
15	23	16	17		28	8UC	27			27	10UC	12UC
16	14UC	17	16			18	19	13UC		21	25	C
17		10UC	25		21	14	11	20			20	22
18	26	20	24		27	28		C		32	22	14
19	16UC	19	19		21	10	16	14UC		36	C	
20	20	19	21	22	23		22	6		C	10	19
21	22			27	17	C	22	9	7US			15
22	21		16	26	22	C	18		20	25	11	14
23			21	27		19		23		C	19	9UC
24					C	15		17	16		11	C
25			19		11UC	13		16	13	24	14	13
26	21	22		18	21	14		12	24US	10	27	
27	24	18		24	19				20		15	25
28	26			18	13US	12		10	16			22
29	17UC		16UC	17	22	18			34	21	7UC	16
30	20		21	20		18		12		15	28	13UC
31			27		22			9UC				14
C	22	20	23	12	24	20	18	24	11	18	21	24
M	22	18	18	20	21	16	17	21	16	24	17	16

COLOMBO

PERIOD NOCN UNITS 1.0 DB FREQUENCY 2.0

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33	38	44	47	40	31	35	35	38	42S	35	32
02	40	C	42	41	37	43	37	35	38	39S	34	31
03	33	37	38	45	40	39	33	33	38	45	38	33
04	34	31	48	40	42	40	C	27	39	44	37	31
05	33	35	37	C	40	29	31	36	37S	43	35	36
06	32	38	42	C	S	33	30	46	C	41	36	C
07	30	35	41	42	41	S	35	37	38	45	36	40
08	37	37	40	43	38	34	31	34	47	C	34	29
09	35	36	40	41	41	38	31	38	41	50	36	25
10	47	47	40	40	37	33	30	C	40	44	40	29
11	51	37	S	44	C	31	31	37	43	42	42	34
12	37	38	54	42	35	37	31	36	43	40	44	34
13	38	48	44	41	42	37	29	36	40	40	40	33
14	42	39	43	39	41	35	30	37	42	43	42	40S
15	37	41	C	43	40	32	C	42	47	43	41	36
16	39	35	55	44	36	26	39	36	S	41	33	32
17	32	42	43	42	39	34	34	36	46	42S	35	30
18	35	43	42	42	40	29	42	38	42	45	31	32
19	33	40	46	39	41	S	33	37	41	42	37	C
20	34	C	43	38	38	44	33	39	40	44	36	35
21	34	37	41	39	40	C	32	38	40	43	32	31
22	32	C	43	40	35	30	34	38	37	42	35	30
23	32	51	46	37	38	33	34	40	38	40	46	29
24	21	41	43	42	36	32	34	25	37	37	C	31
25	35	45	43	41	35	31	32	46	40	45	34	32
26	29	61D	55	C	45	35	35	37	36	42	39	32
27	36	41	43	40	41	32	30	43	39	44	34	35
28	28	54	40	39	36	38	35	35	44	43	34	32
29	47	43	43	40	27	C	36	37	37	39	28	32
30	34		40	43	42	30	36	41	45	42	29	32
31	35		46		42		36	40		51		31
C	31	26	29	27	29	26	29	30	28	30	29	29
M	35	40	43	41	40	33	33	37	40	42	36	32

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	35	58D	47	42	C	38	36	38	45	47	41	35
02	32	33	C	43	39	39	40	36	43	55D	43	38
03	35	39	38	41	38	39	36	34	44	46	45	44
04	33	38	41	39	41	38	29	34	S	44	43	42
05	33	39	42	43	43	37	33	36	44	45	42	39
06	30	C	41	40	38	37	40	33	42	55D	S	33
07	37	40	C	42	S	36	35	38	41	45	43	36
08	34	38	40	43	43S	34	38	40	40	43	44	39
09	33	35	39	43	42	60D	32	38	42	45	36	33
10	C	41	39	45	42	38	41	44	41	42	S	41
11	38	40	36	39	39	40	34	38	C	42	40	40
12	32	41	39	43	38	36	35	32	C	38	41	34
13	34	40	42	46	42	38	41	41	41	39	46	37
14	36	48	C	41	39	36	39	40	44	41	38	33
15	33	40	42	43	41	39	34	45	41	42	43	36
16	35	43	41	42	47	38	33	40	40	41	38	33
17	33	42	40	45	46	41	32	40	42	40	38	37
18	37	39	39	41	43	35	36	38	42	45	35	35
19	38	38	42	44	40	37	32	43	45	36	36	33
20	36	36	41	42	42	28	35	33	38	S	37	42
21	34	C	C	41	45	32	32	41	42	39	35	41
22	36	44	C	42	50	38	43	40	43	44	35	43
23	40	40	45	44	45	38	35	41	38	C	34	33
24	36	42	47	42	41	40	41	39	40	C	34	33
25	32	40	45	C	35	36	34	41	40	41	34	32
26	34	C	47	43	36	C	28	37	42	39	36	35
27	35	40	44	41	40	33	36	40	40	43	28	38
28	27	45	43	43	37	36	36	43	43	S	37	40
29	26		43	43	37	32	36	C	44	45	35	40
30	23		44	41	C	37	35	44	56D	42	36	39
31	37		43		35		36	42		38		40
C	30	24	26	29	28	29	31	30	27	27	28	31
M	34	40	42	42	41	37	35	40	42	42	38	37

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	29	34	37	40	35	25	32	29	32	33S	30	27
02	31	C	37	38	32	37	28	29	34	33	29	28
03	30	33	34	40	36	35	27	29	34	37	32	28
04	30	29	43	36	37	35	C	31	34	36	30	25
05	30	31	33	C	36	30	28	33	31	36	29	28
06	28	34	36	C	36	32	26	41	C	34	30	C
07	28	32	38	37	35	32	30	32	33	38	30	32
08	31	30	34	39	35	30	27	36	38	46	30	27
09	32	32	35	35	36	35	27	32	34	40	31	20
10	40	38	34	36	34	32	28	C	36	37	37	25
11	43	34	39	39	C	27	27	31	35	35	35	29
12	34	32	41	36	32	33	27	31	36	33	36	33
13	34	38	35	35	36	33	31	31	32	36	33	25
14	37	34	36	35	35	31	27	33	35	35	35	29
15	31	35	C	36	36	28	37	36	40	36	36	29
16	33	31	51	38	34	26	34	31	41	34	28	28
17	29	37	37	34	34	30	29	31	38	36	29	25
18	31	37	35	37	35	27	39	33	36	38	27	27
19	30	35	39	34	34	35	29	32	35	35	33	C
20	28	42	36	33	33	37	29	34	34	37	29	29
21	30	35	35	37	35	C	28	34	34	37	33	24
22	27	C	38	36	32	24	29	34	34	39	29	25
23	29	39	39	33	35	28	30	35	33	35	39	25
24	22	39	39	37	30	29	29	23	32	33	27	27
25	30	40	36	33	31	28	28	36	32	37	29	27
26	26	49	40	C	37	31	30	32	31	35	32	25
27	30	36	36	36	36	28	28	36	33	37	29	28
28	25	42	36	37	32	33	30	28	37	39	29	27
29	40	37	38	37	24	C	32	32	32	34	20	27
30	33		36	37	37	29	29	35	36	35	25	27
31	31		39		37		31	35		40		27
C	31	27	30	27	30	28	30	30	29	31	30	29
M	31	35	37	36	35	30	29	32	34	36	30	27

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	28	49	38	36	C	33	29	33	36	40	37	30
02	28	29	C	36	34	34	33	30	36	45	36	35
03	30	34	32	37	33	34	28	31	38	40	38	40
04	30	34	36	32	34	34	26	29	39	38	35	35
05	29	32	34	35	36	36	28	30	39	39	35	34
06	26	C	35	35	30	30	32	29	37	44	38	28
07	30	32	C	36	S	33	32	34	35	40	37	32
08	27	31	34	36	37	31	31	34	36	38	40	27
09	28	28	29	37	35	52D	29	31	36	38	31	29
10	C	34	34	40	36	29	32	37	37	37	36	33
11	34	32	33	36	33	33	29	34	C	36	33	36
12	28	33	34	37	32	30	29	31	C	35	35	28
13	32	33	34	37	36	33	36	35	36	34	40	36
14	31	41	C	36	34	30	33	33	41	36	33	29
15	39	35	35	36	36	33	28	41	35	40	35	31
16	30	37	35	36	41	32	28	34	37	36	33	28
17	27	34	35	40	40	40	28	34	36	34	35	31
18	31	32	33	36	40	28	34	34	37	37	30	29
19	32	32	36	38	35	30	27	38	41	30	32	31
20	30	31	36	35	39S	25	30	28	33	37	33	35
21	29	C	C	37	38	27	28	36	36	35	30	36
22	30	37	C	36	46	31	35	34	36	38	33	32
23	36	34	38	39	38	31	27	35	33	C	27	27
24	30	35	38	36	34	33	33	34	35	C	30	28
25	28	33	37	C	33	31	29	35	35	36	30	28
26	30	C	39	37	32	C	25	33	36	34	30	29
27	29	34	37	35	35	28	29	34	35	37	24	32
28	20	38	36	36	32	30	29	38	38	36	31	35
29	22		37	37	33	28	30	C	37	38	28	29
30	16		37	35	C	32	28	38	51	38	30	33
31	34		37		31		30	34		33		37
C	30	24	26	29	28	29	31	30	28	29	30	31
M	30	34	36	36	35	31	29	34	36	37	33	31

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	26	30	33	34	31	19	29	26	27	29	26	25
02	29	C	32	34	28	32	20	27	30	31	25	26
03	28	29	31	35	32	31	19	27	29	32	26	27
04	28	27	40	32	33	32	C	31	31	31	26	25
05	29	28	29	C	31	28	26	30	27	31	26	27
06	26	29	31	C	32	28	24	37	C	31	27	C
07	25	29	33	32	29	30	27	27	28	34	26	28
08	28	27	29	36	29	28	28	33	32	41	27	25
09	29	29	32	31	32	31	24	29	31	35	28	22
10	36	32	30	33	30	31	26	C	30	34	35	23
11	37	30	32	33	C	29	26	28	32	30	30	25
12	29	28	35	33	28	30	26	28	32	30	31	28
13	30	33	32	31	32	30	30	27	28	32	29	24
14	37	31	32	31	29	30	25	29	30	30	34	32
15	27	31	C	32	32	23	35	31	33	31	34	30
16	28	29	45	35	30	30	32	29	35	29	33	29
17	25	33	33	31	30	27	27	28	33	30	27	26
18	27	32	34	34	29	25	36	29	29	33	25	25
19	27	32	34	30	29	33	29	28	31	30	31	C
20	25	36	32	32	29	37	26	31	29	33	27	23
21	25	31	31	33	29	C	27	30	30	32	29	22
22	24	C	34	33	28	18	26	30	30	32	25	23
23	25	32	35	29	32	27	28	32	29	32	30	22
24	29F	35	32	33	27	26	27	23	28	29	27	24
25	26	33	33	32	28	27	26	33	28	30	27	25
26	23	39	35	C	30	28	27	29	28	30	27	24
27	27	32	33	31	32	25	27	33	28	32	26	25
28	23	38	33	34	30	29	27	20	32	31	28	24
29	33	32	36	33	21	C	30	27	29	30	23	25
30	29		33	34	33	25	26	32	31	33	24	25
31	27		35		33		27	31		34		25
C	31	27	30	27	30	28	30	30	29	31	30	29
M	28	31	33	33	30	28	27	29	30	31	27	25

COLOMBO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	25	43	35	32	C	30	26	29	32	36	33	26
02	25	31	C	33	30	29	29	28	33	39	31	32
03	27	32	29	33	30	32	24	30	33	33	34	34
04	27	29	33	32	30	31	22	27	34	34	32	35
05	27	29	30	32	30	32	26	24	34	33	30	29
06	25	C	33	30	27	28	26	29	31	37	38	24
07	24	27	C	32	S	29	31	31	30	33	33	28
08	25	28	31	32	32	30	30	30	32	33	34	26
09	26	25	29	33	32	52D	27	28	33	33	29	26
10	C	30	31	35	32	26	31	34	32	33	31	28
11	34	29	30	33	30	29	26	32	C	33	28	28
12	24	29	32	33	29	27	24	28	C	30	30	25
13	31	30	32	32	32	31	32	31	31	29	39	34
14	29	36	C	35	30	28	28	31	34	32	30	27
15	33	29	31	33	32	30	25	38	31	36	29	30
16	27	37	31	32	35	26	28	30	31	32	28	23
17	25	30	32	35	36	37	24	31	32	30	29	29
18	27	28	31	32	34	26	31	30	33	32	26	27
19	28	30	32	33	32	27	26	34	35	30	27	28
20	27	29	34	32	39	24	26	24	30	33	29	32
21	27	C	C	32	35	26	26	C	32	33	26	29
22	27	34	C	32	39	28	29	29	31	34	30	29
23	35	31	33	34	35	29	25	31	30	C	23	25
24	27	31	33	31	30	30	30	30	32	C	27	25
25	26	30	32	C	30	29	27	31	31	33	26	25
26	28	C	35	32	32	C	22	29	32	31	27	26
27	26	31	33	31	33	27	28	31	30	32	22	28
28	19	34	33	31	30	27	27	34	33	33	28	30
29	24		33	33	30	26	29	C	32	33	25	27
30	16		33	33	C	28	27	34	49	34	25	28
31	33		32		29		28	30		28		30
C	30	24	26	29	28	29	31	29	28	29	30	31
M	27	30	32	32	32	29	27	30	32	33	29	28

DE BILT

PERIOD 1030 LT UNITS 1.0 DB FREQUENCY 1.95 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		29		22	26	24	30	25	22	21		16
02	27		12	29	24	26	32		34	22	16	10
03	24	20	12	23		24	26	29	28	20	9	13
04	28	22	12	30	29	22	27	28	27		12	12
05		20	19		29	30		35	25	25	16	21
06	20	20	27	37	28	21	30	26		33	10	10
07	19	15	22	26			31	29	24	27	20	
08	14	27		24	28	27	26	34	23	31		14
09	26		29	24	25	35	22		23	27	17	11
10	20	24	29	29		25	28	31	27	26	17	19
11	26	23	28	22	31	34	27	31	22		28	25
12		20	24		26	33		29	20	26	15	17
13	35	26	25	23	29	35	28	26		26	13	
14	18	24	28	27	26		26	25	24	32	22	16
15	16	33		24	30	30	30	27	23	19		18
16	18		22	35	27	30	31		20	20	22	19
17	25	25	22	25		35	28	23	23	22	27	17
18	20	27	22	24		30	25	31	23		24	21
19		22	29		25	24		24	23	28	17	22
20	23	27	27	24	29	33	25	29		18	20	
21	17	26	30	28	24		31	27	27	12	16	20
22	C	12		30	28	27	C	23	23	15		14
23	32		20	24	27	25	36		22	21	20	12
24	24	15	32	25		26	40	24	23	22	24	20
25	16	22	29	34	24	29	28	26	28		C	
26		20	27		28	28		25	24	C	12	
27	24	18		33	24	32	34	25		14	27	
28	23	18	22	34	28		33	20	23	10	35	16
29	24	18		28	30	28	22	21	21	14		18
30	17				30	29	23		23	16	22	16
31	25		24				24	23		10		12
C	25	25	24	25	24	26	26	26	26	26	24	25
M	23	22	25	26	28	29	28	26	23	21	18	16

DE BILT

PERIOD 1035 LT UNITS 1.0 DB FREQUENCY 1.95 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		17	20	24	18	22	28		27	26	17	16
02	20	20	20	26		23	30	28	27	21	17	21
03		21	22	26	22	24	29	28	33		12	15
04	32	12	24		27	28		27	21	29	17	22
05	17	16	18	22	20	30	23	27		21	21	
06	14	16	22	19	23		30	28	25	17	14	32
07	19			18	26		30	31	28	27		26
08	20	18	18	24	26	30	37		20	15	13	18
09	24	19	17	19		20	28	27	24	25	17	20
10		18	18	23	21	36	38	28	27		13	30
11	16	18	17		28	29		28	29	24	26	25
12	22	22	18	19	21	30	28	26		20	20	
13	19	29	12	21	28		27	27	25	15	19	21
14	22			21	25	29	24	26	28	14		22
15	17	24	19	23	27	28	26		22	17	16	21
16	22	18	18	26		25	26	25	19	20	14	14
17		18	18	26	26	26	32	24	25		10	19
18	23	19	19		28	9		26	26	16	13	23
19	17	17	22		33	33	23	27		16	17	
20	16	14	21	25	27		27	39	21	11	14	16
21	20			21	31	31	25	38	21	18		22
22	20	16	22	23	32	28	29		20	18	19	28
23	16	16	19	30		6	26	28	19	15	21	18
24		13	23	28	C	28	21	30	C		12	25
25	18	18	25		18	28		32	19	19	16	
26	17	16	29	23	21	21	32	37		21	22	
27	24	21	26	22			23	29	25	18	15	23
28	14			18	38	29	24	32	27	15		38
29	19		26	29	28	24	33		23	14	10	18
30	14		20	29		27	27	19	26	20	17	23
31			13		22		31	25				22
C	25	24	27	25	24	25	27	26	25	26	26	26
M	19	18	20	23	26	28	28	28	25	18	16	22

DE BILT

PERIOD 1045 LT UNITS 1.0 DB FREQUENCY 2.3 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	22	26		24	28	28	26	24	25	21		R
02	25		21	28	28	23	28		27	21	22	14
03	R	15	10	22		26	29	31	32	17	14	R
04	19	22	13	30	25	26	31	29	26		16	R
05		20	21		20	31		30	29	28	26	11
06	20	20	22	25	26	20	30	28		27	12	8
07	24	18	16	20			32	27	22	29	14	
08	22	25		18	23	27	29	32	28	29		14
09	19		22	25	23	31	28		29	26	20	9
10	21	39	24	24		34	29	26	18	26	18	17
11	26	20	29	30	30	32	36	31	24		10	21
12		22	20		23	29		27	19	24	12	17
13	30	17	17	26	29	36	27	28		24	15	
14	21	22	27	22	31		27	24	22	24	19	11
15	27	24		24	34	36	29	30	19	20		14
16	16		35	29	25	28	31		26	13	25	19
17	19	21	35	24		28	28	26	13	21	27	25
18	15	20	20	25		30	23	27	22		29	17
19		28	21		24	23		19	20	18	19	16
20	25	26	14	24	27	25	28	29		14	21	
21	20	23	21	23	24		24	26	19	10	19	16
22	28	21		33	30	26	34	20	26	16		16
23	29		18	22	26	32	33		23	14	34	17
24	25	12	34	22		42	34	23	21	17	39	25
25	20	21	34	22	28	31	24	21	17		C	
26		20	28		28	27		22	23	20	23	
27	24	16		20	26	28	33	28		12	20	
28	R	15	21	27	31		29	23	20	10	31	19
29	20	19		28	27	29	25	21	22	17		22
30	15				30	32	25		23	R	19	17
31	22		25				29	20		12		11
C	27	25	24	25	24	26	27	26	26	27	24	25
M	22	21	21	24	27	29	29	26	23	20	19	17

DE BILT

PERIOD 1045 LT UNITS 1.0 DB FREQUENCY 2.3 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		19	14	22	15	26	32		25	22	14	23
02	20	27	12	19		30	27	24	25	20	12	R
03		23	16	14	21	29	26	23	26		15	16
04	32	15	14		28	26		25	21	24	14	15
05	13	15	18	20	24	26	26	22		22	14	
06	18	13	14	14	22		27	30	21	24	19	22
07	R			18	23		27	29	23	21		28
08	12	11	11	16	25	32	24		22	20	13	20
09	14	14	11	20		25	26	26	29	21	19	19
10		17	23	20	34	23	28	26	26		10	25
11	19	19	15		28	26		29	24	16	23	22
12	R	22	13	18	28	29	31	25		18	21	
13	24	25	15	20	22		22	23	21	16	15	19
14	25			18	22	29	29	25	22	19		14
15	15	25	19	22	31	26	26		19	17	15	22
16	20	13	19	22		32	34	30	21	16	13	20
17		19	16	23	27	30	29	24	22		14	23
18	19	21	15		27	38		33	21	15	11	20
19	19	17	22		28	25	26	28		15	15	
20	14	12	16	22	25		28	32	12	13	20	15
21	20			26	26	29	29	31	26	20		27
22	24	17	13	21	26	24	33		22	19	R	23
23	21	20	18	24		28	28	26	12	18	15	15
24		14	16	24	29	21	20	25	C		12	20
25	21	24	21		25	25		31	12	20	15	
26	17	18		18	25	22	27	17		20	17	
27	18	20	25	18			30	20	21	14	16	22
28	16		19	20	31	24	33	29	21	15		31
29	19		15	20	28	20	27		18	10	13	R
30	29			24		25	26	29	24	15	16	22
31					21		34	24				23
C	25	24	27	25	25	25	27	26	25	26	26	26
M	19	18	16	20	26	26	27	26	22	18	15	22

DE BILT

PERIOD 1110 LT UNITS 1.0 DB FREQUENCY 2.6 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		R		15	23	29	29	27	28	24		R
02	23		19	28	24	23	27		26	R	R	8
03	R	20	17	27		29	28	29	30	18	10	19
04	18	22	20	17	26	27	26	36	24		22	7
05		20	19		18	29		20	15	29	22	R
06	19	17	15	25	30	20	31	19		26	10	8
07	16	22	21	27			30	17	23	C	16	
08	11	22		15	24	26	29	27	18	21		R
09	25		27	35	24	29	27		21	20	16	R
10	23	29	29	20		23	26	24	22	15	11	15
11	25	23	32	24	28	28	34	21	24		11	15
12		26	25		27	32		29	22	20	24	12
13	26	24	18	28	27	28	32	28		14	14	
14	20	20	23	25	31		30	24	25	19	20	10
15	16	37		23	31	34	27	28	22	20		9
16	14		38	21	36	32	27		23	17	15	12
17	16	23	22	31		29	22	24	24	10	21	12
18	14	25	24	29		24	29	24	21		C	11
19		22	24		27	18		20	23	16	20	11
20	31	23	22	24	23	26	28	16		23	14	
21	20	21	19	14	28		18	25	13	10	12	23
22	21	19		19	29	32	34	23	17	24		15
23	22		16	24	30	30	29		C	10	12	14
24	16	14	29	24		27	23	18	20	16	17	24
25	16	21	29	24	23	30	27	18	24		C	
26		21	25		28	27		24	17	20	C	
27	19	12		22	23	27	27	24		9	8	
28	18	20	24	31	27		31	24	20	16	26	14
29	17	21		32	27	28	23	26	20	22		15
30	20				29	28	27		22	R	13	18
31	R		22				30	20		10		5
C	26	24	24	25	24	26	27	26	25	26	22	25
M	20	21	23	24	27	28	28	24	22	20	15	14

DE BILT

PERIOD 1105 LT UNITS 1.0 DB FREQUENCY 2.6 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		20	10	23	26	24	31		19	20	14	40
02	15	19	27	22		28	26	27	22	23	14	15
03		21	20	16	18	26	25	29	16		23	8
04	22	15	12		23	31		26	22	22	R	10
05	10	13	18	15	27	28	25	25		19	16	
06	R	18	23	12	19		28	18	23	18	36	35
07	18			19	22		27	30	23	23		27
08	13	21	10	17	24	33	27		32	17	12	18
09	11	32	13	14		30	29	22	25	18	20	13
10		11	18	10	29	27	30	24	25		20	23
11	10	23	10		24	30		30	25	18	27	15
12	14	24	10	16	26	28	26	27		17	14	
13		28	12	26	24		30	21	28	21	19	20
14	15			18	21	27	16	25	24	18		14
15	12	21	24	20	29	26	23		C	9	16	15
16	17	16	17	21		32	30	24	26	10	24	8
17		20	16	20	29	30	29	27	18		10	14
18	16	18	R		29	30		28	25	20	9	13
19	13	18	12		27	27	25	29		10	R	
20	22	17	11	17	27		25	30	16	22	14	12
21	16			25	26	23	26	22	20	10		15
22	17	15	28	18	21	23	22		18	12	15	19
23	14	20	19	22		28	28	27	13	15	R	14
24		22	12	28	22	18	26	19	C		16	18
25	13	17	25		24	28		27	21	14	19	
26	14	18	29	17	29	24	32	27		12	18	
27	17	18	33	15			29	23	18	13	17	21
28	11			19	32	26	29	24	23	11		25
29	11		25	18	25	31	27		26	14	10	20
30	16		20	21		C	26	21	17	13	13	19
31			16		21		29	16				R
C	24	24	27	25	25	24	27	26	24	26	26	25
M	15	19	18	18	26	28	27	26	22	17	16	15

DE BILT

PERIOD 1120 LT UNITS 1.0 DB FREQUENCY 2.9 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		24		38	27	19	21	23	18	15		8
02	14		R	37	20	29	32		18	16	17	13
03	13	21	28	35		34	27	20	18	14	12	10
04	15	18	21	35	28	36	30	30	18		13	8
05		C	22		22	31		26	17	33	19	10
06	13	16	28	33	37	29	31	17		17	30	16
07	16	16	23	31			38	16	32	27	16	
08	C	21		24	25	34	38	19	17	21		R
09	17		R	30	33	35	40		17	19	19	8
10	7	12	31	17		21	41	25	29	28	14	17
11	24	20	35	27	R	31	33	22	18		13	16
12		17	R		20	34		22	25	21	14	12
13	30	13	R	26	30	30	25	19		23	21	
14	18	20	27	37	37		17	18	28	19	18	11
15	20	25		28	34	26	29	26	18	18		8
16	17		16	28	41	C	36		30	17	12	13
17	17	23	28	R		30	30	18	35	42	48	12
18	11	25	29	29		31	24	30	41		18	R
19		24	27		34	17		26	28	19	11	12
20	30	27	30	33	28	28	36	20		18	13	
21	16	25	37	36	35		17	23	R	10	13	15
22	25	20		19	38	40	31	24	15	18		14
23	19		13	18	23	27	24		16	12	14	10
24	17	13	34	23		30	26	18	46	39	22	15
25	17	13	40	23	21	37	27	27	R		C	
26		25	32		27	26		38	24	C	16	
27	15	12		36	23	24	31	34		16	14	
28	15	36	21	39	37		32	30	R	14	27	11
29	18	23		38	32	34	C	27	15	16		13
30	18				37	28	17		21	15	13	12
31	40		24				16	23		15		7
C	25	24	24	25	24	25	26	26	26	26	24	25
M	17	21	28	31	31	30	30	23	22	18	15	12

DE BILT

PERIOD 1120 LT UNITS 1.0 DB FREQUENCY 2.9 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		19	28	27	R	34	R		27	25	10	17
02	16	24	30	26		30	44	18	26	16	17	15
03		16	23	22	21	33	31	29	16		18	10
04	24	16	14		33	34		36	21	28	34	14
05	13	22	17	21	31	28	R	24		24	12	
06	34	8	26	22	31		26	22	26	23	20	18
07	14			25	24		26	24	22	15		28
08	12	12	16	20	32	37	31		15	20	16	12
09	12	20	29	13		41	34	21	27	12	15	15
10		18	46	20	30	43	40	25	28		14	20
11	12	18	15		27	37		28	22	38	24	16
12	15	R	23	20	37	30	38	27		26	13	
13	16	24	34	17	28		31	26	R	15	19	16
14	16			20	27	35	30	25	22	16		10
15	17	27	19	22	29	31	31		19	12	14	12
16	R	R	8	26		43	32	26	25	13	15	12
17		C	25	21	31	40	37	19	R		11	12
18	19	26	R		25	32		28	27	13	17	20
19	13	23	27		29	28	32	32		12	17	
20	10	R	22	22	26		31	24	R	24	10	12
21	R			22	29	33	32	16	15	12		17
22	17	22	R	15	28	28	20		23	29	16	19
23	14	14	36	24		31	26	31	C	12	13	21
24		23	15	28	39	36	35	20	C		13	15
25	11	14	15		34	27		20	28	13	14	
26	14	18	28	17	29	21	37	26		23	14	
27	19	20	20	21			29	28	16	12	15	13
28	16			18	30	31	27	32	13	26		23
29	15		24	22	27	R	26		20	R	R	15
30	9		14	33		44	24	24	29	16	12	15
31			20		35		27	28				13
C	25	20	27	25	25	25	27	26	24	26	25	26
M	15	20	23	22	29	33	31	26	24	16	15	15

DE BILT

PERIOD 1130 LT UNITS 1.0 DB FREQUENCY 3.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	17	18		25	26	24	16	28	16	13		10
02	14		18	27	32	17	20		15	11	15	9
03	11	17	20	32		24	16	15	25	12	16	5
04	14	14	16	35	36	23	28	22	14		11	11
05		18	15		R	18		36	28	17	18	11
06	20	16	22	35	52	16	46	24		16	17	7
07	12	15	14	R			43	15	16	22	10	
08	9	17		35	R	22	28	R	15	19		10
09	14		25	37	48	R	30		14	23	13	8
10	10	14	25	12		16	26	20	25	20	10	17
11	19	16	27	34	47	29	18	27	18		24	10
12		16	22		25	22		16	10	21	12	10
13	21	12	21	R	19	18	23	R		13	16	
14	20	15	23	C	21		38	15	17	15	15	R
15	12	23		36	28	20	39	R	18	16		13
16	15		30	R	24	14	33		19	14	12	10
17	12	18	19	44		35	19	15	21	21	16	10
18	12	22	25	R		22	R	20	20		15	12
19		18	22		R	16		27	28	18	10	13
20	36	22	23	29	36	41	20	23		15	11	
21	20	20	18	30	R		16	31	R	12	10	12
22	23	16		17	28	22	20	15	12	15		12
23	20		39	50	14	40	18		18	12	14	10
24	18	18	28	48		22	30	18	34	13	11	12
25	7	20	25	R	31	22	32	16	22		C	
26		17	30		18	38		19	23	15	15	
27	17	31		41	33	17	25	23		22	13	
28	16	18	34	C	16		19	17	21	12	25	10
29	14	18		20	35	20	22	17	20	11		13
30	18				18	15	14		14	12	10	10
31	13		25				15	25		13		11
C	27	25	24	23	24	26	27	26	26	27	24	25
M	15	18	23	35	32	22	23	21	19	15	13	10

DE BILT

PERIOD 1145 LT UNITS 1.0 DB FREQUENCY 3.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		18	17	26	R	26	23		18	19	23	13
02	16	19	21	35		18	24	21	19	21	14	13
03		18	R	20	21	24	20	R	23		35	11
04	23	15	39		28	36		30	R	13	15	16
05	23	12	18	R	21	R	R	16		12	14	
06	14	14	33	23	21		R	32	17	13	13	18
07	16			16	16		39	17	27	15		19
08	12	7	17	36	28	33	26		16	11	17	11
09	11	10	15	24		24	18	R	32	44	16	18
10		19	23	R	32	23	22	R	R		11	26
11	25	15	26		16	31		18	18	20	18	18
12	28	15	17	20	47	28	20	26		15	11	
13	14	18	17	32	16		24	28	24	16	15	12
14	11			20	39	47	43	15	14	19		13
15	15	18	11	18	32	17	27		14	11	12	12
16	29	15	15	34		21	41	R	14	26	14	8
17		18	22	31	C	51	20	21	22		10	23
18	16	13	19		23	22		19	23	15	18	14
19	16	23	21		35	26	38	26		13	10	
20	13	14	18	R	28		42	16	38	15	12	8
21	16			31	24	28	20	19	20	18		14
22	14	15	21	R	22	25	20		24	18	10	17
23	11	12	14	20		26	15	22	22	16	12	9
24		29	16	48	38	24	16	29	C		15	15
25	14	20	15		24	38		23	33	18	12	
26	12	15	21	R	31	27	40	22		13	14	
27	22	22	28	R			17	28	14	18	13	13
28	18			24	24	25	20	25	18	13		20
29	11		25	R	24	17	16		13	11	11	12
30	10		24	R		29	16	30	18	12	12	15
31			25		22		22	R				12
C	25	24	26	25	24	25	27	26	25	26	26	26
M	14	15	20	31	24	26	22	26	20	15	14	14

DELHI

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.55 MHZ

1964-1965*

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV*	DEC*
01	C	C	C	C	C		49	43	C	C	C	C
02	C	C	C	C	C		C	C	C	C	C	C
03	C	C	C	C	C		41	35	C	40	C	C
04	C	C	C	C	C		41	C	C	C	C	C
05	C	C	C	C	30		C	C	C	C	C	41
06	C	42	C	C	C		50	44	C	C	C	C
07	C	C	C	C	C		C	C	C	C	C	C
08	C	C	C	C	C		C	C	C	C	C	43
09	C	C	C	C	C		52	44	C	44	C	C
10	C	49	C	C	C		C	C	C	C	C	39
11	C	50	C	C	48		C	43	C	C	46	C
12	C	42	C	C	C		C	41	C	C	C	C
13	C	40	C	C	43		51	39	C	C	C	C
14	44	38	C	C	C		C	48	C	C	C	C
15	C	C	C	42	44		C	C	C	C	C	C
16	30	C	C	44	C		C	C	C	C	C	C
17	34	40	C	46	C		46	39	C	C	C	C
18	36	C	38	C	C		49	34	C	C	41	42
19	C	40	C	C	36		C	C	C	C	38	C
20	40	32	37	C	41		48	52	C	C	C	C
21	C	33	C	33	50		C	C	C	C	C	C
22	C	C	C	48	34		38	C	C	C	41	45
23	38	C	C	C	C		40	C	C	C	C	C
24	37	C	45	25	C		50	C	C	C	C	C
25	44	34	43	38	30		C	42	35	C	46	C
26	C	42	32	C	C		C	46	C	C	45	C
27	C	C	C	46	38		C	C	C	C	C	43
28	41	C	C	48	C		41	C	37	C	C	C
29	35	C	C	32	41		C	C	C	C	C	C
30	C		42	43	C		30	C	C	C	C	C
31	C		C		C		C	48		C		C
C	10	12	6	11	11		14	14	2	2	6	6
M	38	40	39	41	40		45	43	36	42	44	42

* DATA FOR NOVEMBER AND DECEMBER IS 1965 DATA

DIXON IS

PERIOD 1325 UNITS 1.0 DB FREQUENCY 1.98 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	B	C	C	C	28	C	C	C	61DB		11
02	C	14	C	C	C	29	C	C	C	C		12
03	C	19A	C	C	C	49	C	C	B	18DB		8
04	B	B	C	C	C	22F	C	C	53	B		S
05	27F	28R	C	C	C	C	21	C	50DBF	B		C
06	2F	B	S	46DB	26F	32	54	C	58F	C		C
07	5A	C	B	60DB	25	26	30	C	C	B		C
08	32UAF	C	C	40US	23F	29	B	C	C	C		C
09	C	B	C	B	28F	22	B	B	B	B		13
10	C	C	26	36	25F	28F	B	C	B	34		4
11	C	C	30	21	34F	41DB	C	31	42	C		5
12	14A	C	B	32	36	B	30	C	B	C		10US
13	7A	C	31	43	18F	B	C	B	32	C		C
14	C	C	39	24	25F	B	39	C	23	B		C
15	C	C	B	C	B	24	16F	C	44	B		C
16	1F	C	C	B	B	34	27	C	21	B		32US
17	C	28	36	28	C	24F	C	C	52	60DB		B
18	C	28	22R	24	C	33	C	35	41	11R		C
19	2	22UR	S	B	C	N	B	23	C	C		C
20	1	R	26R	C	C	48	47	C	C	B		16F
21	S	C	B	48DBS	C	30	32S	C	26	B		12
22	8	C	N	38	C	C	C	C	B	42DB		C
23	8	R	B	B	C	46	C	C	39	19R		C
24	C	R	B	23	48	C	C	C	31	C		C
25	C	37R	B	43	22	C	C	C	C	C		C
26	C	B	B	B	52	48	C	38	C	C		C
27	C	C	34	22	C	28	C	B	16R	B		0F
28	22A	B	32	B	C	30	C	22	B	C		7
29	C	B	S	C	C	40	27	C	B	C		7
30	14		B	C	C	20	49F	C	B	C		3
31	17R		C		C		C	C		C		C
C	15	13	18	21	14	25	15	8	21	13		15
M	14	B	39DB	43	27	30	39	36	52	B		10

DIXON IS

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.98 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	36DB	C	C	C	33F	C	C	C	58DB		12
02	C	20	C	C	C	35	C	C	C	C		10
03	C	16UFA	C	C	C	45	C	C	B	28DBR		6
04	47DB	13DB	C	C	C	22F	C	C	53	B		9
05	13F	23R	C	C	C	C	20	C	52DBF	B		C
06	10F	B	B	46DB	28F	32	54	C	55F	C		C
07	0A	C	B	60DB	26	22	30	C	C	B		C
08	27UAF	C	C	37US	24F	27	B	C	C	44DB		C
09	C	31DBR	C	38DB	28F	26	B	B	B	46DB		10
10	C	C	28R	33	25F	29F	55DB	C	B	32		4
11	C	C	30DB	38	30F	42	C	31DB	42DB	R		4
12	13A	C	47DB	40	40	B	34	C	B	C		7US
13	7A	C	30	39	20F	B	C	B	39	C		C
14	C	C	50US	24	43F	33DB	34	C	20	B		C
15	C	C	B	C	B	30	22F	C	38	39DB		25DB
16	6F	C	C	56DB	53DB	30DB	35	C	25	B		28US
17	C	28	40DB	36	C	27F	C	C	46	60DB		B
18	C	33	24USR	25	C	26	C	38USF	39	18R		C
19	24	22UR	S	B	C	26	B	23	C	C		C
20	3	R	26R	46DB	C	43	51DB	C	C	B		14
21	S	C	B	49DBS	C	30F	32S	C	30	34DB		10
22	6	C	27	36	C	C	C	C	12DBAF	35DBR		C
23	9	R	41DB	42DB	C	46US	C	C	38DB	20R		C
24	C	30URF	B	22	43	C	C	C	31DB	C		-1F
25	C	37R	B	43	30	C	C	C	C	C		C
26	C	B	B	B	54DB	48	C	38DB	C	C		C
27	C	C	33	29	C	29	C	B	25R	B		0F
28	22DBA	B	32	B	C	30	C	23	46DBR	C		6
29	C	B	S	C	C	36	23	C	B	C		4
30	20DB		B	C	C	20	49DBF	C	51DB	C		4
31	22R				C		C	C		C		C
C	15	12	16	21	14	26	15	7	18	12		18
M	13	34	50DB	40	30	30	35	38DB	48	B		8

DIXON IS

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.98 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	20	C	B	C	C	C	C	50DB	C	C	2A
02	C	20	C	58DB	C	C	C	C	C	C	C	19DB
03	20US	9	C	46DB	C	28	B	B	30	38	24A	13
04	15	C	B	C	C	30	28	41UC	40DB	31R	16RA	8
05	15	C	43	C	33DB	B	36	28	47	35R	9A	29
06	C	42	39DB	34	46	B	B	28	B	16UR	49DB	1S
07	C	C	B	52	38DB	35	50	26	35	35R	C	13
08	9	47DB	C	28	38	24	B	42	C	20UR	C	8A
09	B	C	22R	C	C	28	B	30	33	34R	20	2
10	18S	30DB	R	C	C	C	C	32	43	47UR	C	2
11	C	29	29R	C	50	C	C	C	28	25UR	13	39DB
12	15	25	28FR	38	B	32	38	C	40	C	14	26DBA
13	C	16F	26UR	48	50DB	36	24	C	48	39UR	C	C
14	C	C	32UR	C	45	45	21	C	58	B	C	7
15	20	C	C	B	C	44	29	29	53DB	C	11	4
16	C	29DBR	34R	N	38	44DB	35	43DB	50DB	C	C	12
17	C	32DBR	41DBR	37	50DB	29DB	25	47	B	R	8A	1F
18	C	33R	26R	C	38	C	26	50UC	B	R	48DB	-2
19	8	C	C	C	26	43	34	41DB	C	R	4	10
20	6	28R	C	45DB	42UN	C	36	44	C	R	B	11F
21	19	B	42	39DB	C	C	62DB	B	C	R	B	1
22	B	R	32	40	36	45	36	C	C	3UR	26UAF	5S
23	C	B	C	C	36	31	60DB	C	44	B	19F	2F
24	20	C	C	C	33	32	54	C	49DB	B	1	19F
25	16	C	C	24	C	27	25	B	B	B	1	B
26	14F	C	C	32	30US	34	50	B	B	C	1	10
27	40DB	34UR	C	31F	42	B	26	34	B	45	8	36DB
28	24UA	C	C	26	33	52DB	60	50	C	31DB	4	34DB
29	C		C	23	30	C	B	53	32	28R	4	9
30	C		C	44	31	C	C	35	46DB	C	1UC	B
31	C		C		34		C	B		28		18
C	17	15	12	19	20	20	25	21	21	14	22	30
M	18	30	36	39	38	36	36	43	49	38	12	10

DIXON IS

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	41DB	C	C	C	27UR	C	C	C	36		C
02	C	10	C	C	C	R	C	C	C	22UC		C
03	C	12	C	C	C	31UR	C	C	28	29UR		C
04	45DBX	20	C	C	C	R	C	C	58DB	52DB		C
05	20F	19	C	C	C	C	30	C	23DB	43DB		C
06	20XF	22DB	S	29	16F	29URA	R	C	55DB	C		C
07	22USX	C	28	26	18	29AR	C	C	C	B		C
08	4XF	C	C	26UR	19F	17UR	39DB	C	C	C		C
09	C	30DB	C	39DB	12R	24UR	51DB	B	35DB	26DB		0X
10	C	C	14	26	49RF	29F	47R	C	B	26US		10XF
11	C	C	22DB	19	18URF	24R	C	11DBR	B	24		R
12	R	C	48DB	27UR	17F	41UR	24UR	25UR	B	C		4X
13	R	C	16	20UR	20RF	43DB	C	36DB	36	C		C
14	C	C	23	22R	14UFR	38UR	35	C	6	24DB		C
15	C	C	28UR	C	39DB	26UR	24UA	C	42	31		G
16	0	C	C	47UR	35DB	26R	25A	C	48	33		R
17	C	18	26	19AF	C	24AF	C	C	28	51DB		B
18	C	17	23	14UR	C	30UA	C	15	52R	15		C
19	17F	18	S	43DB	C	25R	44DB	15	C	C		C
20	10F	11	R	26	C	14UR	33UR	C	C	41DB		G
21	8	C	B	26URF	C	24R	22UR	C	12AR	36DB		S
22	7	C	14R	24	C	C	C	C	28F	25		G
23	6F	12	16DBR	R	C	R	C	C	36DBR	24		C
24	C	21	B	11F	39	C	C	C	31DB	C		G
25	C	12	B	30UR	33R	C	C	C	C	C		C
26	C	38DB	B	42DB	24R	30UR	C	37	C	C		C
27	C	C	12	14URF	C	R	C	24DB	14	25DB		34RFX
28	23US	50DB	12	38DBR	C	27UAR	C	22	50	20		S
29	C	33DB	53	C	C	R	11UR	C	49DB	C		F
30	14R		B	C	C	18R	31DB	C	32DB	C		F
31	12				C		C	C		C		C
C	10	17	17	18	12	17	10	8	18	17		1
M	11	19	26	26	22	29	34	24DB	45	31		B

DIXON IS

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	17	C	C	C	C	C	C	49DB	C	C	R
02	C	16	C	30	C	C	C	C	C	C	C	G
03	R	6	C	30	C	23UR	B	C	26	26	28	11UR
04	G	C	B	C	C	25	C	17	C	16F	10	R
05	R	C	12	C	23DBF	35DB	28R	24	22	17	16	R
06	C	28UC	20	17	22UC	28	50DB	19USF	36DB	16	32A	R
07	C	B	B	27	34	23R	42R	19	28	27	C	R
08	R	37DB	C	16	28R	20R	32DB	33	C	6	C	G
09	B	C	8	C	C	28R	B	16	24	28	18	R
10	6F	25	14	C	C	C	C	33UC	30	32	C	R
11	C	26	20	C	27	C	C	C	20	13	5	B
12	4UF	11	9UC	16UC	31	27R	14A	C	19	C	12	R
13	C	19	5	22	24R	R	26UA	C	37	18	C	C
14	C	C	18	C	25UR	32UR	21UA	B	40	24DB	C	R
15	R	C	C	B	C	21UR	34DB	20	36	C	7	G
16	C	22	12	40DB	25UR	53DB	18R	18	42DB	C	C	G
17	C	24	30	27	38DB	42DB	18R	26	57DB	16	18S	G
18	C	26	12	C	24UR	C	33AR	24	B	R	29	6X
19	6	C	C	C	23R	25R	48DB	43DB	C	10	3	G
20	6UFX	20S	C	18DB	32UCR	C	28R	22	C	11	26DB	G
21	4	B	12	36	C	C	38UR	31DB	C	6	B	G
22	B	33	17	20	29UR	30RA	32	C	C	5	13	G
23	C	30DB	C	C	21UR	18R	48	C	16	20DB	12FX	G
24	8	C	C	C	28R	22UR	40UR	C	32R	B	4	G
25	12	C	C	22	C	20UR	29A	B	B	46DB	1X	B
26	10F	C	C	14	40AR	24R	31	51	37	C	3SX	R
27	26	16	C	21	28UR	42DB	25	32F	30	28	6F	41DB
28	13A	C	C	15R	18UR	37	B	36	C	33DB	5	B
29	C		C	26R	18UR	C	B	38	20UR	20	4USX	G
30	C		C	29R	18UR	C	C	37	30	C	R	B
31	C		C		27R		C	39DB		18		G
C	11	18	15	18	14	16	24	21	21	23	17	4
M	10	24	14	24	28	28	32	32	32	18	13	B

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.725 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	49	42	21	46	30	C	30	25	21	C	12	25
02	29	33	18	41	28	29	30	28	25	31	23	8
03	44	28	18	39	33	38	31	26	16	31	20	9
04	30	22	20	34	27	29	30	29	30	30	11	24
05	22	28	20	33	27	36	29	26	28	31	9	C
06	27	C	C	38	30	24	29	28	24	26	24	29
07	30	23	25	C	C	24	26	28	24	20	18	20
08	23	28	24	36	C	13	23	30	22	29	28	9
09	25	27	32	39	26	20	28	28	29	34	28	11
10	20	23	30	C	31	27	31	29	24	31	17	28
11	46	25	33	28	29	26	C	C	18	25	22	33C
12	49	25	23	34	26	26	C	30	22	27	13	31
13	47	28	24	34	31	C	25	29	27	31	C	14
14	23	31	19	32	28	C	23	22	C	37	C	30
15	30	43	26	34	C	27	28	27	11	24	27	29
16	20	38	18	36	C	24	32	28	C	26	24	31
17	19	32	C	34	32	C	30	27	19	31	30	31
18	C	25	C	31	29	C	27	24	22	20	28	26
19	27	27	C	29	31	29	25	28	16	24	27	30
20	22	31	C	34	C	33	25	C	11	25	30	33
21	12	29	C	30	27	30	C	28	15	11	C	30
22	C	20	C	28	28	32	28	21	C	17	19	30
23	37	21	C	32	C	29	26	C	22	19	20	30
24	27	22	C	34	31	C	26	24	15	28	12	19
25	19	31	C	29	28	C	25	25	19	12	8	30
26	28	31	C	30	27	29	C	25	23	21	6	29C
27	33	28	C	28	30	32	24C	26	20	14	7	28
28	30	C	C	33	30	33	23	C	C	19	C	28
29	27	20	C	27	C	30	26	26	C	19	C	27
30	33		C	34	30	28	C	24	C	15	C	26
31	42		C		30		24	25		19		28
C	29	27	15	28	24	23	26	27	24	30	24	30
M	27	28	22	34	29	29	26	27	22	25	20	28

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.725 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	25	24	C	26	32	26	29	26	22	21	17	20
02	29	28	28	29	29	28	29	22	26	31	17	24
03	27	30	19	29	C	28	29	29	30	27	19	24
04	26	30	23	29	29	27	25	23	30	29	19	23
05	C	21	24	28	30	26	27	20	30	28	10	25
06	28	20	22	26	29	26	29	C	32	27C	14	21
07	27	27	23	27	32	26	29	C	31	23	11	36
08	25	25	23	21	31	30	30	C	30	26	10	26
09	27	25	23	22	33	30	30	24	30	28	C	18
10	26	25	25	C	29	29	30	23	30	27	13	31
11	27	33	29	27	30	30	31	19	30	16	17	32
12	28	31	27	29	33	31	28	23	27	18	29	35
13	27	29	29	29	35	30	28	23	C	25	19	29
14	28	33	27	25	33	28	29	26	26	26	13	21
15	27	34	30	26	33	30	23	28	28	9	13	25
16	26	29	28	28	36	29	25	28	C	21	13	21
17	C	25	33	30	34	30	25	26	C	13	15	21
18	27	28	29	C	29	30	26	30	17	23	13	32
19	26	27	33	31	C	C	25	30	30	C	C	17
20	28	31	26	28	32	32	27	28	C	C	C	16
21	32	30	30	26	31	28	23	30	30	23	13	16
22	33	26	C	28	30	29	25	32	C	23	22	26
23	33	23	C	28	30	31	24	25	31	14	12	10
24	28	21	36	31	32	31	23	25	27	27	19	31
25	33	24	34	29	26	C	24	30	19	22	15	24
26	31	12	32	31	27	C	24	C	23	21	18	29
27	C	31	32	27	30	C	24	30	13	21	18	23
28	C	26	34	25	C	C	29	32	29	14	11	26
29	22		31	29	30	30	27	28	20	21	11	15
30	24		32	C	26	31	24	24	32	13	C	22
31	30		27		27		30	C		14		29
C	27	28	28	27	28	25	31	26	25	29	26	31
M	27	27	29	28	30	30	27	26	30	23	14	24

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.05 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	48	36	21	48	31	C	34	24	21	C	19	21
02	29	36	18	33	26	34	32	27	24	27	17	14
03	34	30	24	41	29	38	32	23	9	31	22	14
04	25	19	19	24	24	37	30	28	28	28	13	21
05	16	26	20	35	24	36	29	22	28	28	14	0C
06	25	C	C	42	28	35	30	24	19	33	19	29
07	25	21	27	C	C	22	27	29	28	27	14	22
08	23	24	24	33	C	17	23	27	23	24	23	16
09	25	22	27	43	28	23	28	27	29	30	22	15
10	23	21	29	C	29	21	24	27	21	22	20	23
11	37	25	29	34	30	33	C	C	15	30	19	38
12	47	24	25	36	23	31	C	26	24	25	16	28
13	35	31	24	37	29	C	23	28	27	23	C	22
14	30	26	17	30	32	C	27	21	C	32	C	26
15	30	34	26	35	C	29	29	26	11	20	25	30
16	16	34	19	36	C	26	28	31	C	23	26	28
17	18	31	C	37	35	C	38	31	12	34	28	28
18	C	26	C	30	32	C	26	22	15	24	28	30
19	22	24	C	25	28	28	27	23	22	25	23	30
20	22	27	C	31	C	27	22	C	16	23	32	38
21	17	27	C	28	30	29	C	24	19	17	C	33
22	C	25	C	29	28	36	30	22	C	19	15	30
23	33	18	C	26	C	33	29	C	15	20	20	29
24	33	20	C	27	27	C	24	25	17	25	18	38
25	24	27	C	26	28	C	21	25	17	18	16	27
26	28	28	C	26	26	33	C	25	17	17	42	33
27	31	21	C	23	30	36	27C	26	25	15	40	23
28	30	C	C	31	31	35	24	C	C	20	C	21
29	27	19	C	26	C	32	26	26	C	19	C	21
30	31		C	32	30	26	C	25	C	18	C	22
31	34		C		42		24	20		17		24
C	29	27	15	28	24	23	26	27	24	30	24	30
M	28	26	24	31	29	30	27	25	19	23	20	26

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.05 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	21	16	C	29	28	23	29	27	21	21	16	22
02	30	24	24	30	24	27	26	18	24	25	19	25
03	36	26	16	22	C	33	27	26	31	22	19	25
04	22	24	16	23	31	25	29	19	31	23	17	25
05	C	18	25	25	26	24	25	28	26	23	9	30
06	21	11	17	24	26	27	23	35	30	11	13	32
07	31	21	21	19	29	32	28	C	28	21	12	32
08	26	16	19	19	32	35	27	C	25	24	12	27
09	30	12	18	19	34	33	30	21	27	23	C	22
10	29	17	19	C	25	33	31	22	31	19	14	27
11	27	22	18	28	27	32	32	19	26	26	22	26
12	26	23	18	25	30	34	29	24	23	15	25	33
13	25	23	24	31	34	32	30	22	C	21	17	26
14	25	25	26	22	33	31	29	27	23	20	18	21
15	21	27	26	22	36	31	24	28	27	19	16	26
16	20	23	25	24	37	31	28	28	C	19	13	20
17	C	20	28	23	35	37	25	23	C	18	17	23
18	20	17	23	C	34	39	30	23	26	19	18	20
19	26	20	28	27	C	C	29	25	25	C	C	17
20	15	16	18	25	37	37	26	24	C	C	C	18
21	31	21	24	24	35	29	21	30	24	20	17	19
22	36	19	C	21	30	28	29	32	C	20	18	25
23	32	19	C	26	32	28	26	21	25	25	19	13
24	29	17	28	31	32	27	28	19	20	17	21	29
25	31	24	32	28	28	C	27	35	18	20	17	22
26	34	12	30	24	26	C	31	C	21	16	19	27
27	C	24	25	22	36	C	31	21	17	18	2	21
28	C	22	33	19	C	C	30	29	17	17	20	29
29	24		27	23	30	32	28	22	21	16	18	23
30	23		27	C	22	30	26	25	23	19	C	22
31	28		20		32		30	C		16		30
C	27	28	28	27	28	25	31	27	25	29	26	31
M	26	20	24	24	32	31	28	24	25	20	17	25

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.44 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	27	35	18	43	31	C	32	26	18	C	17	21
02	24	31	18	36	27	32	29	22	26	34	17	11
03	31	24	21	41	26	42	30	17	16	35	20	12
04	17	24	23	35	20	40	26	30	18	33	10	19
05	13	28	26	35	21	36	36	20	21	33	15	C
06	29	C	C	29	25	30	32	27	16	33	18	25
07	27	20	24	C	C	17	28	30	25	25	17	22
08	27	27	24	39	C	16	22	28	26	32	21	19
09	22	25	24	41	23	25	28	20	29	29	23	18
10	24	18	23	C	28	20	29	28	17	24	22	23
11	32	29	33	25	30	20	C	C	15	31	20	28
12	44	25	26	36	29	25	C	30	20	26	17	30
13	32	28	35	32	23	C	26	28	22	25	C	18
14	27	26	24	35	33	C	25	20	C	23	C	28
15	25	30	25	33	C	32	38	21	18	10	26	29
16	17	26	21	33	C	32	36	32	C	18	24	26
17	19	27	C	31	30	C	35	28	10	16	27	28
18	C	26	C	34	33	C	37	20	31	19	27	27
19	26	23	C	28	25	27	34	21	26	16	21	28
20	19	23	C	29	C	33	31	C	12	13	27	29
21	15	22	C	21	28	33	C	26	15	9	C	28
22	C	20	C	24	28	40	24	22	C	16	14	26
23	26	16	C	24	C	28	21	C	10	16	19	28
24	29	18	C	24	30	C	20	18	14	21	17	25
25	27	25	C	24	30	C	15	20	22	15	15	27
26	38	20	C	25	32	27	C	26	22	18	29	27
27	35	25	C	25	27	37	27C	27	26	12	C	27
28	30	C	C	31	28	34	27	C	C	10	C	21
29	29	23	C	28	C	30	25	28	C	19	C	18
30	29		C	32	40	29	C	20	C	19	C	22
31	30		C		46		27	17		20		23
C	29	27	15	28	24	23	26	27	24	30	23	30
M	27	25	24	31	28	30	28	26	19	20	20	25

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.44 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	20	13	C	23	27	22	33	27	23	24	12	21
02	28	19	26	25	25	29	28	23	19	25	19	26
03	23	22	17	20	C	29	26	27	29	20	22	26
04	27	21	10	22	29	36	32	30	26	20	14	26
05	C	16	14	18	26	26	24	20	21	23	9	28
06	23	11	18	18	21	25	34	26	27	23	17	34
07	30	24	20	18	31	36	29	C	26	22	8	34
08	26	16	13	19	29	34	27	C	23	26	17	28
09	30	11	8	17	30	33	27	14	24	22	C	26
10	26	11	10	C	27	33	29	17	24	24	12	29
11	24	18	15	22	28	27	29	18	19	24	22	28
12	25	19	22	22	33	31	26	13	17	16	20	30
13	25	21	25	27	34	34	29	17	C	19	12	29
14	24	26	19	23	29	30	28	23	23	19	15	27
15	22	27	22	18	36	28	29	24	24	17	17	30
16	20	21	24	22	37	29	31	23	C	18	13	26
17	C	19	24	14	35	36	21	17	C	19	19	27
18	22	17	17	C	31	43	24	20	23	11	22	29
19	23	21	26	28	C	0C	26	27	19	C	C	20
20	20	22	25	26	32	37	25	21	C	C	C	21
21	31	13	27	25	28	33	20	19	21	22	3	13
22	30	13	C	25	28	33	23	25	C	21	6	21
23	22	14	C	24	30	32	24	23	22	21	3R	12
24	27	14	19	25	31	30	26	16	27	15	7	25
25	25	19	30	25	27	C	24	27	13	24	1R	25
26	26	21	27	28	22	C	26	C	18	13	7	29
27	C	17	19	24	36	C	33	28	18	16	3	22
28	C	19	31	18	C	C	27	23	19	17	11	23
29	14		26	22	27	33	27	25	22	17	14	24
30	16		25	C	25	26	30	24	29	16	C	26
31	17		26		35		23	C		22		20
C	27	28	28	27	28	25	31	27	25	29	26	31
M	24	19	22	22	29	32	27	23	23	20	12	26

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.90 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	25	25	24	37	29	C	23	27	21	C	26	17
02	25	29	23A	49	23	41	28	29	22	23	20	11
03	27	24	A	50	31	45	33	21	27	19	26	15
04	19	25	27	49	17	42	34	33	15	22	R	19
05	A	A	24	40	28	31	36	25	24	40	25	C
06	23	C	C	37	27	38	34	22	28	25	19	27
07	26	21	38	C	C	16	31	20	17	27	8	25
08	23	A	30	25	C	17	23	18	17	27	19	19
09	17	25	33	43	27	35	40	20	16	19	17	20
10	20	22	33	C	34	36	34	19	27	17	19	25
11	37	22	33	40	34	27	C	C	21	30	17	28
12	31	25	34	31	29	32	C	18	23	21	16	21
13	21	31	32	21	23	C	29	17	31	20	C	21
14	23	21	33	26	30	C	30	19	C	23	C	17
15	C	28	25	41	C	26	34	19	26	19	26	27
16	8	A	27	27	C	27	51	27	C	23	19	23
17	11	34	C	22	34	C	37	26	34	29	23	22
18	C	38	C	30	30	C	35	26	27	31	22	19
19	19	33	C	29	27	18	37	27	25	21	18	C
20	16	43	C	26	C	34	38	C	15	18	24	21
21	15	31	C	32	34	24	C	22	12	12	C	24
22	C	32	C	25	27	41	40	23	C	23	13	22
23	24	17	C	26	C	36	30	C	16	14	18	17
24	20	22	C	29	36	C	37	15	26	21	24	26
25	20	21	C	22	27	C	25	21	33	23	14	19
26	20	27	C	25	19	24	C	37	15	29	34	24
27	19	40	C	31	22	26	36C	28	27	15	32	20
28	28	C	C	30	26	32	32	C	C	23	C	17
29	21	24	C	22	C	31	26	20	C	28	C	22
30	24		C	31	46	32	C	17	C	23	C	23
31	27		C		43		27	15		16		21
C	27	24	14	28	24	23	26	27	24	30	23	29
M	21	25	31	30	28	32	34	21	24	23	19	21

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.90 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	21	14	C	18	31	21	27	28	12	17	16	24
02	22	12	28	20	32	26	39	15	22	26	24	18
03	31	19	19	14	C	30	29	27	22	13	25	18
04	26	25	30	19	29	35	25	16	22	18	20	23
05	C	16	22	13	29	21	31	21	21	14	26	31
06	21	12	20	19	34	26	26	31	25	21	12	27
07	C	13	31	17	30	38	34	C	23	24	12	26
08	23	19	34	22	23	29	32	C	35	24	25	22
09	21	10	26	14	33	42	31	16	C	27	C	21
10	19	2	25	C	34	30	31	17	37	37	19	26
11	21	21	24	25	35	35	30	19	23	24	21	17
12	21	27	24	20	38	34	33	8	31	38	25	22
13	23	22	13	21	27	36	34	19	C	16	20	16
14	19	26	21	16	29	41	34	20	19	17	20	12
15	22	28	31	28	26	32	30	11	16	10	16	22
16	19	23	23	18	41	40	31	16	C	27	20	20
17	C	27	26	24	34	39	20	19	C	27	12	8
18	21	24	16	C	27	39	28	23	29	19	15	21
19	25	23	34	29	C	0C	28	19	18	C	C	14
20	30	26	19	26	31	31	29	19	C	C	C	17
21	22	26	21	28	27	35	32	12	16	20	0	10
22	29	23	C	23	32	39	29	30	C	33	2R	18
23	29	26	C	27	28	37	27	27	24	20	R	12
24	23	27	32	33	32	39	24	19	27	30	R	18
25	25	23	37	21	31	C	37	24	8	9	3R	10
26	27	29	24	29	28	C	40	C	20	9	R	22
27	C	31	31	20	39	C	33	33	14	23	6	18
28	C	30	21	23	C	C	30	28	9	23	15	20
29	14		16	26	30	41	23	15	15	17	16	17
30	18		20	C	24	33	21	23	24	23	C	20
31	22		19		32		22	C		29		23
C	26	28	28	27	28	25	31	27	24	29	22	31
M	22	23	24	22	31	35	30	19	22	23	17	20

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.45 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	17	20	13	46	16	C	18	25	18	C	25	21
02	15	18	16	39	20	30	25	27	21	20	26	18
03	20	12	13	34	25	31	21	26	10	8	27	16
04	19	12	12	31	13	A	23	28	15	14	11	21
05	18	13	11	22	20	A	31	26	25	22	17	C
06	19	C	C	26	26	22	20	25	17	27	18	24
07	19	14	16	C	C	28	34	29	21	33	17	20
08	18	12	15	22	C	14	27	19	21	23	19	18
09	17	15	16	29	24	16	24	28	20	21	18	21
10	14	13	19	C	21	19	21	26	18	26	18	21
11	25	20	19	24	19	11	C	C	17	21	16	26
12	27	14	18	27	20	19	C	26	24	21	23	21
13	19	19	21	20	11	C	20	26	17	18	C	21
14	17	A	17	24	25	C	35	25	C	22	C	20
15	20	20	16	21	C	21	33	22	8	15	22	18
16	B	22	17	26	C	25	28	25	C	18	20	20
17	B	19	C	23	23	C	30	20	7	23	21	24
18	C	12	C	18	26	C	37	19	3	18	19	18
19	8	18	C	14	19	32	29	25	7	18	22	15
20	2	17	C	14	C	31	24	C	9	19	20	20
21	9B	14	C	20	24	18	C	24	19	15	C	18
22	C	15	C	14	26	23	33	23	C	19	R	18
23	13	13	C	23	C	26	24	C	11	18	19	16
24	17	13	C	24	26	C	26	24	15	18	19	18
25	16	21	C	20	23	C	28	18	20	20	18	17
26	15	19	C	22	23	16	C	25	13	15	15	20
27	15	20	C	22	16	31	21C	22	13	12	29	19
28	13	19	C	20	25	39	21	C	C	21	C	15
29	15	16	C	14	C	24	27	20	C	19	C	11
30	19		C	25	32	21	C	17	C	16	C	16
31	18		C		A		27	21		19		16
C	27	27	15	28	23	21	26	27	24	30	23	30
M	17	16	16	22	23	23	26	25	17	19	19	18

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.45 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	15	13	C	22	25	30	28	38	31	5	13	7
02	20	14	23	20	21	23	17	12	16	10	14	9
03	C	16	17	21	C	36	23	25	25	12	18	10
04	12	18	16	24	20	26	18	10	24	6	11	12
05	C	17	13	18	20	32	20	12	16	19	14	21
06	23	14	17	21	23	28	31	42	20	19	16	19
07	18	21	21	20	22	38	27	C	24	14	14	18
08	21	15	19	26	20	27	33	C	25	14	12	17
09	21	11	20	21	30	29	21	15	19	18	C	20
10	20	17	19	C	31	24	24	28	21	23	13	16
11	16	17	23	29	29	26	18	24	11	19	14	15
12	17	21	19	19	31	28	32	8	27	13	16	18
13	15	18	19	29	33	36A	23	11	C	20	20	21
14	17	22	20	24	22	43	28	7	17	15	14	14
15	22	21	25	20	22	24	13	17	14	13	14	19
16	15	19	22	24	33	28	26	9	C	12	16	17
17	C	14	22	28	32	34	13	20	C	18	11	16
18	14	15	26	C	18	26	25	20	30	18	10	19
19	17	13	33	17	23	C	22	21	19	C	C	17
20	9	19	17	17	33	25	25	19	C	C	C	9
21	25	18	20	29	43	26	19	28	13	12	R	6
22	23	16	C	19	37	32	21	23	C	13	R	17
23	21	17	C	26	22	33	25	15	10	16	R	15
24	25	20	33	21	36	33	21	20	24	14	R	15
25	22	25	28	32	23	C	30	17	19	16	R	18
26	26	21	20	26	23	C	36	C	11	10	R	22
27	C	19	26	14	30	C	36	15	13	24	R	16
28	C	22	26	22	C	C	19	26	11	16	R	19
29	24		19	25	33	25	32	19	14	14	R	19
30	21		20	C	35	22	18	19	18	18	C	18
31	20		22		35		12	C		14		24
C	26	28	28	27	29	25	31	27	25	29	17	31
M	20	18	21	21	29	28	23	19	19	14	14	17

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.10 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	G	G	G	37	30	C	13	21	26	C	G	G
02	11	G	11	G	17	G	15	22	14	14	G	14
03	G	G	G	G	25	24	11	17	19	G	21	17
04	G	13	G	G	13	29	20	22	10	G	G	G
05	G	8	14	G	23	30	15	18	16	G	G	C
06	G	C	C	G	16	21	19	27	10	G	12	G
07	G	16	G	C	C	7	21	22	14	G	R	17
08	G	14	G	19	C	5	15	14	19	G	G	G
09	G	G	15	G	22	11	17	31	16	G	G	G
10	13	G	G	C	22	19	29	16	14	G	16	G
11	G	B	G	17	35	12	C	C	23	G	G	G
12	18	G	G	14	18	25	C	22	14	G	19	G
13	G	G	16	14	16	C	19	18	15	G	C	G
14	G	G	16	15	21	C	14	15	C	14	C	16
15	G	G	13	16	C	17	14	19	9	G	G	G
16	G	10	G	24	C	14	25	28	C	12	G	14
17	G	G	C	13	22	0C	26	19	8	18	G	G
18	C	10	C	21	18	0C	21	21	5	G	G	G
19	10	G	C	15	19	17	14	21	12	G	G	G
20	20	G	C	4	C	22	15	C	4	G	18	G
21	G	13	C	20	23	17	C	16	5	G	C	G
22	C	G	C	10	18	20	21	22	C	R	G	G
23	12	G	C	18	C	21	19	C	6	G	18	18
24	28	G	C	18	22	C	21	20	4	G	G	13
25	G	G	C	15	22	C	32	21	11	14	G	18
26	G	13	C	18	15	17	C	18	7	G	19	G
27	G	G	C	24	18	21	19C	17	9	G	G	G
28	G	G	C	G	20	27	16	C	C	15	C	G
29	G	G	C	21	C	18	17	13	C	10	C	G
30	G		C	18	32	10	C	11	C	G	C	G
31	G		C		31		20	13		G		G
C	7	8	6	21	24	22	26	27	24	7	7	8
M	13	13	15	18	21	18	19	19	11	14	18	17

FREIBURG

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.10 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	G	11	C	8	16	17	23	49	21	20	11	9
02	G	G	12	9	16	18	20	21	29	G	G	G
03	31	G	G	12	C	20	19	23	20	19	7	G
04	G	G	G	13	17	15	11	27	21	G	G	G
05	C	6	G	11	30	21	16	27	28	15	5	21
06	G	G	G	10	28	20	21	47	27	G	9	G
07	G	R	G	8	15	24	14	C	31	G	G	18
08	16	2	G	9	14	30	17	C	35	14	G	G
09	13	G	G	10	20	20	18	7	32	16	C	R
10	17	G	G	C	24	19	20	8	28	15	G	G
11	G	G	G	13	17	15	17	13	26	14	18	G
12	G	G	14	14	20	23	21	18	25	14	10	G
13	G	G	14	12	14	21	21	12	C	12	11	G
14	19	G	G	12	24	18	23	12	16	12	G	17
15	G	G	G	12	21	30	36	12	18	18	G	22
16	6	G	G	14	16	37	22	9	C	10	G	G
17	C	G	G	15	16	41	14	20	C	G	10	3
18	G	G	9	C	21	21	19	15	19	G	1	G
19	G	G	15	21	17	C	21	19	18	C	C	G
20	G	G	12	14	20	19	23	14	C	C	C	G
21	G	7	17	23	18	22	15	12	21	G	G	G
22	G	8	C	13	19	24	17	19	C	G	G	G
23	16	G	C	17	17	25	19	25	G	G	G	3
24	G	G	G	20	20	22	18	14	G	G	G	4
25	G	G	13	13	19	C	27	23	G	G	G	G
26	G	G	22	14	17	C	21	C	G	G	10R	G
27	C	G	17	8	17	C	43	24	G	G	G	15
28	C	G	12	18	C	C	28	22	21	G	12R	G
29	G		13	15	15	18	44	24	16	16	G	16
30	8		6	C	25	21	40	18	G	G	C	19
31	R		11		20		17	C		17		G
C	8	5	14	27	29	25	31	27	19	14	11	11
M	16	7	13	13	18	21	20	19	21	15	10	16

GENOVA

PERIOD 1000 LT UNITS 1.0 DB FREQUENCY 2.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	31	35	C	37	41	38D	35	36	C	37D	38	38D
02	23	37D	C	37D	38	40D	37D	36D	C	33	C	36D
03	27	34	29	25	C	42D	35	37D	C	37	C	41
04	31	30	32	37	36	40D	37	37D	C	37	38	41
05	27	24	35	39	37	39D	41	35	C	39D	42	40D
06	29	33	31	40	35	41D	37	41D	C	C	41	39
07	19	27	C	42	38	38D	34	39D	C	C	C	40
08	29	25	35	37	C	41D	41D	36D	36	C	42	37
09	25	30	32	36	32	39	40	37D	34	36	42	39
10	C	27	32	43	35	37	39D	37D	32	C	36	40
11	C	25	29	37	34	40D	32D	37D	31	C	29D	37D
12	C	25	30	39	32	43D	C	36D	37	34	32	37D
13	C	25	32	37	29	37D	C	37D	37	36	30	37D
14	C	29	C	37	30	40D	C	34	37	38	43	35
15	C	25	28	37	38	39D	C	37D	35	38	43D	37D
16	C	30	29	39	35	39D	C	37D	41	37	41	37D
17	C	34	C	35	C	37D	C	33	33	30	35	39D
18	C	29	31	39	30	37D	C	36	31	34	39	39
19	C	27	35	38	29	37	37D	34	37	32	43D	39
20	25	29	30	37	26	39	37	35D	34	37	53	33D
21	30	27	26	39	C	41	37D	37D	33	41	33	37D
22	27	34	28	C	30	43D	37D	37D	41	26D	34	37D
23	39	29	29	41	C	37D	35D	36	34	28	33	39D
24	34	25	31	41	38	33	37D	36D	31	32	37	37D
25	25	28	C	39	36	39D	35	35	33	33	43D	39D
26	32	26	26	39	29	41	37D	29D	37	34	37	41
27	29	29	29	39	38	37	35	32D	27	36	35D	43
28	30	25D	29	41	45	37	38	36	33	30	37D	37D
29	30	30	31	39	C	38	36	29D	41	C	55D	37D
30	31		34	39	34	39	37D	30D	31	C	37D	39
31	31		C		32		35	C		C		43
C	21	29	24	29	25	30	24	30	23	23	27	31
M	29	29	31	39	35	39D	37	36D	34	36	38	39D

GENOVA

PERIOD 1000 LT UNITS 1.0 DB FREQUENCY 2.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	27D	31D	29D				31	35	35	35	32	C
02	32D	25D	29D				30	33	35	23	28	C
03	29D	C	28D				29	30	37	31	32	18
04	36D	30D	C				21	35	39	31	32	20
05	C	C	34D				21	31	35	35	30	23
06	32D	25D	34D				19	33	31	C	30	C
07	29D	C	30D				18	33	30	32	34	25
08	27D	29D	32D				16	30	31	33	32	18
09	28D	32D	34D				17	33	31	29	32	18
10	30D	31D	30D				18	35	33	28	29	C
11	30D	C	27D				18	35	35	35	31	21
12	C	25D	C				19	35	23	31	30	23
13	32D	32D	30D				19	33	33	30	33	21
14	29D	30D	26D				20	33	33	39	35	23
15	C	C	27D				18	34	39	29	31	20
16	27D	32D	29D				24	35	33	29	27	20
17	28D	C	28D				30	35	31	26	39	18
18	28D	32D	29D				29	35	33	27	25	15
19	28D	C	31D				27	35	23	28	22	20
20	36D	32D	31D				30	30	29	28	28	21
21	30D	32D	C				37	35	35	29	27	35
22	C	C	29D				15	39	25	30	22	19
23	32D	32D	28D				20	36	27	30	27	19
24	C	32D	C				23	34	28	29	30	19
25	32D	29D	C				27	32	29	28	28	21
26	27D	30D	C				32	30	35	28	29	33
27	30D	C	C				35	35	39	27	28	19
28	27D	C	C				29	30	35	29	30	30
29	C		C				30	30	35	30	32	28
30	C		C				9	27	31	32	30	29
31	32D		C				5	26		30		27
C	27	18	19				31	31	30	30	30	27
M	30D	31D	29D				21	33	33	30	30	21

GENOVA

PERIOD 1100 LT UNITS 1.0 DB FREQUENCY 2.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33	43D	C	43	38	40D	39	36	C	41	36	38D
02	25	37D	C	37D	40	41D	37D	35D	C	37	C	39D
03	33	39	34	35	36	43	38	37D	C	37	C	41D
04	31	33	31	39	37	40	43D	37D	C	39	40	43
05	27	29	32	39	38	40D	37D	35	C	37	40	40D
06	31	31	29	36	38	39D	39D	37D	C	C	38	38
07	25	27	C	38	36	40D	37D	C	C	C	C	39
08	23	29	32	35	C	41D	39D	36D	35	C	40	38D
09	26	28	36	38	35	38	38	37D	32	36	38D	41
10	C	30	30	C	38	36	37D	37D	28	C	36D	40
11	C	27	26	39	35	37D	35	39D	25	C	35D	55D
12	C	29	32	37	34	41D	C	37D	41	36	36D	43D
13	C	31	30	37	C	39D	C	40D	38	38	37	37D
14	C	33	C	38	30	38D	C	39D	39D	41	31	43
15	C	39	26	39	27	39D	C	39D	41	40	31	43D
16	C	33	27	43	34	41D	C	37D	34	39	39	37
17	C	30	C	35	C	39	C	37	30	33	33	55D
18	C	25	30	36	30	37D	C	36D	31	37D	37	35
19	C	25	38	36	30	30	39D	34	37D	37	40	41D
20	25	30	30	36	C	40	37	39D	33	35	43	35D
21	31	27	31	41D	29	41	37D	33	35	40	37	40D
22	31	33	30	C	34	43D	37D	37D	37	26D	30	43D
23	43	25	32	43	C	43D	33	35	35	31	33	43D
24	37	25	31	43	38	34	33	33	34	32	35	43D
25	31	29	C	43	32	39	35	32D	33	32	37	39D
26	32	25	26	37	32	43D	43D	36	33	38	39	39
27	25	30	32	37	36	37	37D	30D	27	36	37	43D
28	27	32	29	43	35	33	33	34	39D	32	35	43D
29	30	28	31	30	C	34	34	36D	37	C	43D	43D
30	33		32	39	35	36	36	30D	33	C	37D	55D
31	39		C		32		37D	33D		C		55D
C	21	29	24	28	25	30	24	30	23	23	27	31
M	31	30	31	38	35	40D	37D	37D	34	37	37	41D

GENOVA

PERIOD 1100 LT UNITS 1.0 DB FREQUENCY 2.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	C	30D				26	35	31	37	32	C
02	C	30D	30D				30	35	29	35	29	C
03	30D	C	29D				33	35	36	39	25	20
04	27D	32D	31D				13	35	39	27	28	19
05	C	30D	C				21	37	39	39	27	21
06	36D	C	34D				23	25	35	C	29	C
07	30D	C	30D				24	27	33	32	32	23
08	27D	30D	32D				25	36	29	34	30	20
09	32D	32D	27D				29	35	33	32	29	19
10	28D	30D	34D				35	35	39	35	23	C
11	27D	C	34D				26	39	33	32	32	21
12	C	29D	C				26	35	21	33	35	31
13	28D	32D	31D				15	33	33	31	33	20
14	36D	31D	30D				17	35	30	35	31	29
15	C	C	26D				25	36	31	32	25	23
16	32D	30D	28D				30	37	29	30	25	19
17	29D	32D	28D				24	35	35	27	39	24
18	30D	32D	28D				30	33	23	25	33	21
19	31D	C	31D				32	37	21	26	24	20
20	32D	C	29D				30	35	21	29	26	20
21	32D	31D	C				30	35	35	32	29	21
22	27D	32D	30D				30	37	31	32	30	21
23	30D	29D	28D				21	35	30	32	27	31
24	30D	32D	C				33	32	27	30	32	19
25	32D	C	C				30	33	21	29	30	29
26	32D	25D	C				33	32	33	30	28	29
27	30D	32D	C				37	33	31	30	27	20
28	27D	C	C				31	35	23	32	29	30
29	C		C				35	30	35	31	30	32
30	C		C				12	30	31	32	32	28
31	32D		C				24	30		30		25
C	27	18	19				31	31	30	30	30	27
M	30D	32D	30D				29	35	31	32	30	21

GENOVA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	39	43D	C	43D	39	39D	43	36	C	35	36	36D
02	30	37D	C	36D	40	40	37D	36D	C	37	C	40D
03	31	37D	29	37	40	42	39	33	C	37	40	40D
04	29	33	32	36	37	40	43D	38D	C	37	38	43D
05	27	30	32	34	36	38D	34D	41D	C	39D	36	45
06	33	35	30	38	31	40D	39D	35	C	C	38	42
07	27	32	C	38	34	38D	39	36	C	C	C	40
08	25	31	32	37	C	42D	41D	37D	33	C	38	39D
09	23	33	34	38	32	40	36	37D	34	36	36D	42D
10	C	31	35	C	30	37	39	37D	30	C	35D	40D
11	C	25	29	38	35	37D	39D	37D	27	C	34D	43D
12	C	28	36	39	32	43D	C	39D	39	30D	38	39D
13	C	33	29	33	C	40D	C	37D	40	35	41	37D
14	C	33	C	35	30	40D	C	35	37	39	36	39D
15	C	32	25	37	38	43D	C	37D	35	37	37	37
16	C	37D	26	39	32	37	C	39D	37D	35	37	33
17	C	30	C	43	C	37	C	37D	27	36	35	37
18	C	25	29	32	29	43D	C	38	37	37D	43	43
19	C	27	32	34	32	41	C	C	35	32	42	39
20	30	31	29	36	28	42	37	41D	36	41	43	35D
21	25	32	32	43D	38	43D	37D	37	41	29D	37	43D
22	39	27	30	C	C	43D	32D	36D	37D	26D	33	37D
23	40	27	32	37	36	43D	37D	34	37	33	41	39D
24	32	29	30	41	C	32D	33	36	33	36	C	40D
25	27	32	C	39	29	39	33	33	29	34	35	43D
26	37	26	27	39	36	37D	37D	34	37	32	41	37D
27	29	29	32	43	34	34	37D	32D	28	36	43D	55D
28	29	30	32	43	34	37	36	32	39	34	33	37D
29	31	25	34	37	C	37	32D	32D	37	C	38	39
30	39		32	39	36	38	35	30D	37	C	43	55D
31	39		C		30		37D	32D		C		40D
C	21	29	24	28	25	30	23	30	23	23	27	31
M	29	31	32	39	36	40D	37D	37D	37	36	38	40D

GENOVA

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	30D	30D				28	35	35	37	30	C
02	C	C	30D				32	35	39	31	27	C
03	29D	C	30D				35	33	38	37	26	31
04	29D	31D	30D				35	31	39	35	28	17
05	C	31D	29D				23	33	39	33	24	20
06	29D	32D	C				22	35	29	C	30	C
07	30D	C	30D				19	37	33	32	32	23
08	27D	C	30D				18	37	29	32	30	22
09	29D	32D	27D				25	36	33	33	26	23
10	29D	32D	30D				39	35	33	30	28	C
11	28D	C	31D				33	29	35	32	31	19
12	28D	32D	C				31	31	33	35	33	29
13	C	32D	D				29	21	31	29	30	21
14	28D	29D	31D				19	37	35	32	29	26
15	36D	30D	36D				18	37	35	35	21	26
16	27D	31D	36D				26	31	30	32	31	25
17	30D	32D	26D				27	37	29	32	39	27
18	30D	32D	26D				30	35	37	30	21	33
19	30D	C	29D				29	35	18	27	25	20
20	32D	29D	31D				30	31	33	28	24	15
21	36D	C	C				25	33	33	30	36	31
22	30D	31D	30D				35	36	37	32	32	35
23	C	25D	28D				37	36	28	34	32	30
24	30D	C	C				33	35	29	32	31	29
25	30D	C	C				32	34	29	30	30	31
26	27D	29D	C				33	32	29	29	37	30
27	36D	31D	C				33	36	29	28	29	33
28	32D	C	C				31	30	35	32	30	31
29	C		C				35	30	39	32	32	29
30	C		C				25	27	37	30	29	30
31	32D		C				25	30		28		24
C	27	18	19				31	31	30	30	30	27
M	30D	31D	30D				30	35	33	32	30	27

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01								14FF	31	B	50	
02								14FF	B	38	46	
03								15	53UF	34	53	
04								22F	63UF	32	C	
05								25UF	40F	B	53	
06								44	50	B	C	
07								56FF	C	68	24	
08								54FF	C	64	48	
09								54	C	C	32	
10								16FF	42	59DB	65D	
11								25UF	50	63	C	
12								19	52	C	32	
13								C	70	C	44	
14								42	36	B	29	
15								-1	26	55	C	
16								21UF	36	25	30	
17								C	35	23	33	
18								C	32	25	34	
19								C	40	B	29	
20								C	36	68DB	27	
21								C	17	35	23	
22								30	42	64DB	C	
23								C	72DB	63	50	
24								C	24	37	C	
25								15FF	48	C	50	
26								C	40	C	C	
27								47DB	19	C	36	
28								C	49F	C	39	
29								12FF	74DB	44	C	
30								C	74DB	39	49	
31								35		32		
C								20	27	24	22	
M								24	42	57	38	

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 0.83 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						13UF	55F					
02						11						
03						9	13					
04						44	11F					
05						17UF	20					
06						29EF	33UF					
07						15	35					
08						12	51UF					
09						40FF	19F					
10						31	31UF					
11					76DB	25F	34					
12					25	16UC						
13					21F	12						
14					10F	12UN						
15					13F	12						
16					C	B						
17					19	73DC						
18					30	51						
19					43F	51FF						
20					18	26						
21					13	31						
22					14F	69DB						
23					24FF	45						
24					14F	33F						
25					12F	16						
26					12F	47F						
27					7	57UH						
28					10F	12						
29					C	16F						
30					7F	34F						
31					12UF							
C					19	30	10					
M					14F	28	32F					

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01							C	13	53	55	33	B
02							31F	19	51	64	33	31
03							C	46	46	B	42	32
04							C	14	49	67DB	23	29
05							C	14	53	B	33	26
06							C	9	70DB	36	60	26
07							C	12F	46	30	40	26
08							C	9	52	29	B	28
09							C	22F	40	46	52	40
10							C	17	43	38	38	28
11							C	25F	40	C	28	23
12							15	28F	27	52	22	24
13							24	29	27	50	35	22
14							9F	45UF	23	C	32	30
15							35F	27F	35	22	32	20
16							17F	23		33	32	23
17							10	47		20	30	30
18							11	40	63	37	21	26
19							56	40		39	43	47
20							8N	56	B	43	27	B
21							6	67UN	55	18	42	23
22							10	73UN	57	38	38	27
23							9	53	58	B	28	23
24							30	56	72	49	23	21
25							12	47	55	C	26	30
26							10	49	B	C	32	50
27							11	61	32	C	27	52
28							54	48		C	28	27
29							55DB	37		C	28	54
30							28	55	B	C	28	36
31							9	53		C		30
C							21	31	25	22	30	31
M							12	40	52	41	32	28

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.6 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01										B	32	32
02										36	27	25
03										30	40	39
04										25	C	29
05										63DB	35	26
06										80DB	C	24
07										48	26	26
08										50	40	20
09										C	27	30
10										59	54	24
11										43	43	24
12										B	29	21
13										B	36	20
14										63	30	23
15										44	C	23
16										22	28	72
17										25	32	24
18										24	31	35
19										B	29	30
20										53	29	25
21										31	32	22
22										55	C	23
23										59DB	40	20
24										29	66	21
25										C	34	21
26										B	C	22
27										B	29	18
28										45	38	20
29										50	C	C
30										37	36	C
31										26		C
C										29	24	28
M										50	32	24

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.6 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	23	22	34	22	15F	5	6F	10DA	31			
02	27	24	23	24	2	7UF	17	10N	28			
03	27	17	44	18	12	4	10FF	24UA	22			
04	24	21	67UB	18F	7	18UN	7UC	13UN	33			
05	17	22	B	22F	10	2UN	15UF	8	24			
06	26	C	49	18F	17	14F	11UN	11F	41			
07	31	B	B	14F	4	6	17	9F	20			
08	31	C	73	15F	7	5F	11	8UA	32		49	
09	29	45	78DB	24F	19	12	7	8UN	19			
10	22	76DB	31	14F	14F	9	8	11G	20			
11	22	B	24	16F	36UN	13UC	20	10UF	20			
12	22	B	26	31FF	9	10UC	11EC	5UF	16			
13	C	62	52	17	13A	12UC	16	7UF	13			
14	27	56	C	18	2F	14FC	2F	22UF	16			
15	24	41	25	21	80F	0F	11	10F	17			
16	24	26	22	17C	32F	G	7	14R	66			
17	21	B	21	20	2	78EC	7EC	23M	B			
18	25	44	21	64DB	12A	25UN	-2	22UF	33			
19	22	30	20	38	21	20UF	57DB	27F				
20	21	26	20	77DB	7	32	5	43UF	76DB			27
21	22	54	37	48F	11	29UF	2UF	56F	37			
22	43	39	21	54	4	34	9A	49F	33			
23	36	22	C	33F	2F	G	10A	39FF	28			
24	23	66F	53	49FF	0F	24EN	11	38	46			
25	C	46	59	19	8UN	12EC	C	23F	27			
26	C	28	55FF	35UF	12	17	5	35F	B			
27	C	40	43F	45FF	7	36UN	8F	40	26			
28	C	24	60	24F	11F	7F	44	26				
29	C		24	10UF	7	7EN	28UF	22F	B			
30	C		32		0UF	14FF	17	19	81DB			
31	C		30		3		1UC	29				
C	23	26	29	29	31	28	30	31	28		1	1
M	24	40	34	22	8	12N	10N	22UF	29		49	27

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01								14F	32FF	C	C	32
02								16FF		C	24	27
03								15FF	22	C	25	32
04								14UF	34FF	C	50	24
05								21	23UF	C	35	26
06								26	25UF	68DB	27	23
07								25	15UF	C	25	26
08								22FF	39UF	C	36	25
09								19	77DB	54	30	23
10								16		C	46	25
11								8F	25F	C	38	19
12								7UF		59DB	22	23
13								9F		68	37	22
14								18UN		51	24	19
15								12A		C	25	30
16								C		C	34	40
17								21FF		20	31	27
18								11		25	31	29
19								19		82DB	23	24
20								8		C	24	28
21								17		C	26	22
22								C		C	23	25
23								9		51UC	46	19
24								11		C	54	19
25								C		35	34	22
26								7		40DB	59	25
27								C		76DB	22	23
28								9	62UF	46	27	15
29								9		32	31	25
30								13FF		28	22	28
31								15F		22		20
C								27	10	16	29	31
M								14	28UF	48	30	25

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	18	16	26	C	9	0J	23UN	2A		30	24	59F
02	21	20	25	C	0	4	G	13EC		36	24	25
03	25	18	45	C	6	13	G	12A		51	29	28
04	25	23	64	C	12	14	4EC	-3N		37	18	23
05	19	21	70	16F	10	5UN	2JF	-1		49	23	22
06	15	C	39	11F	11	4	3JF	2N		27	31	26
07	23	74DB	74DB	7F	4	3	9UN	3UN		17	24	23
08	20	41	50	7F	8	2JF	4	1UC		11	35	22
09	25	27	63	12F	14	5	G	2EC		28	25	35
10	34F	71DB	28	4F	13	4JF	4	6EC		24	20	22
11	19	53	20	7F	22F	G	10EC	0		29	23	22
12	19	64	21	10	6	G	G	-1		32	23	24
13	28	41	58DB	9	9F	4UN	2J	4		18	33	26
14	28	51	C	14	5F	12	-1	9		24	21	33
15	21	37	25F	10	7UA	1J	3UN	1		19	23	23
16	19	24	15	10	9F	G	1J	1	67UFDB	24	18	24
17	16	63	20F	9	5F	G	G	7	83DB	19	23	20
18	22	34	32	34F	13A	5J	G	11		24	24	24
19	22	39	18F	17	22	G	4J	19		23	27	35
20	24	27	19F	66	10A	G	1J	18	73DB	19	23	32
21	21	42	38F	17F	15A	5J	5UN	31		20	27	24
22	34	24	29UF	20	2UF	18EC	1UN	34		18	26	30
23	33	24	23	18	4	G	15FF	17		80DB	20	20
24	22	33	27	29	13F	G	-2J	23	33F	24	16	19
25	C	37	29	9	3UA	G	4EC	C		24	20	22
26	C	30	25	25	1J	G	-4	C	B	34	19	26
27	C	42	19F	35	12EG	4J	2	C		45	22	40
28	C	21	40F	15	1J	G	25UN	C	B	43	27	25
29	C		21UF	8	1J	2J	16UN	19FF		31	23	42
30	C		20UR	1	8F	G	19EC	12A	48	36	22	28
31	C		19UR		1J		-3	C		24		30
C	24	27	30	26	30	18	25	26	7	31	30	31
M	22	34	27	12	8	4N	3N	6	73DB	24	23	25

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 4.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01									C	28		
02									C	9		
03									C	14		
04									C	C		
05									C	33		
06									C	17		
07									3F	14		
08									10	18F		
09									29	C		
10									13UF	20F		
11									17F	13F		
12									11UF	26F		
13									22UN	25F		
14									11	20		
15									6F	19		
16									8	11		
17									1	C		
18									8F	C		
19									12	32FF		
20									8	10		
21									7UF	8FF		
22									19UF	20FF		
23									19F	18		
24									8	16		
25									13	C		
26									7	C		
27									7F	17F		
28									6	C		
29									33	C		
30									28	C		
31										C		
C									24	21		
M									11	18		

HALLEY BAY

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.6 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		C	16	6					10	15	13	36
02		C	16	6					13	17	17	12
03		C	23	3					8	30	15	17
04		C	C	4					9	15	12	
05		C	54	9					12	29	14	14
06		C	22	6					9	15	18	11
07		C	49	3					9	8	14	25A
08		C	29	5					14F	10	18	19
09		C	37	9					7	14	16	24
10		C	12UA	3					8UF	13	13	14
11		C	13	4					15	11	13	8
12		C	11	4					9	15		10
13		22	16	9					11	5F	17	14
14		21	C	8					10	9F	11	17F
15		19	7	8					17F	14EC	12	7
16		14	10	7						11	18	19
17		37	9	6					32	11	14	16
18		22	9	G					11	13	14	13
19		15	7	16					39	13	13	25
20		11	9	50DB					37	11	11F	12
21		27	15	7					13	12	8F	14
22		21	8	23					13	11	20	23
23		9	7	10					4	48FF	14	15F
24		28	13	20					15	15F	14	14
25		20	14	10					12	22	16	15
26		12	15	20					36	16	13	14
27		12	8F	26					10	20		20
28		10	20	8					56DB	18UC	13	16
29			9	7					42	13	9F	14
30			12	C					20	20	14	18
31			9							8UF		18
C		16	29	28					29	31	28	30
M		20	13	7					12	14	14	15

JULIUSRUH/RUGEN

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.86 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	11	23	17	17	F	A	23	23	A	18	14	12
02	16	16	16	18	19	F	A	19	17	19	15	14
03	C	18	17	25	19	A	A	A	20	19	15	11
04	C	C	S	23	19	22	A	18	A	F	13	15
05	19	18	13	22	19	A	A	23	17	17	15	10
06	14	16	19	22	20	22	A	22	18	A	16	17
07	14	16	19	21	19	22	21	21	20	F	14	12
08	15	18	20	22	23	21	F	16	19	17	16	16
09	16	19	20	22	21	19	22	A	16	17	15	13
10	14	18	21	18	21	S	22	21	A	18	15	15
11	15	18	20	25	S	22	22	20	21	16	12	16
12	16	14	25	25	20	19	20	A	C	14	13	16
13	17	20	18	21	18	23	17	20	16	17	12	12
14	16	18	15	24	21	F	24	20	C	17	15	A
15	C	19	17	20	22	21	S	19	15	14	15	A
16	11	22	17	16	21	A	S	21	S	13	13	12
17	14	19	16	19	A	S	A	19	17	15	17	C
18	9	19	16	19	23	A	18	16	18	14	13	14
19	13	20	20	19	23	A	A	22	14	14	15	14
20	14	20	15	17	A	16	A	19	C	14	12	13
21	12	21	18	19	22	20	A	17	S	16	14	15
22	20	18	17	18	21	23	A	A	F	15	14	13
23	18	14	16	18	A	21	24	A	17	15	12	16
24	22	15	19	22	20	20	A	18	18	14	15	17
25	16	19	22	20	20	22	21	A	17	13	11	C
26	17	19	20	20	A	22	A	18	17	15	12	15
27	16	18	20	20	S	20	22	A	18	14	15	13
28	14	20	20	S	20	A	A	17	17	12	17	13
29	19	17	17	17	A	24	21	18	A	15	15	S
30	21		17	A	A	A	A	19	17	12	15	13
31	21		18		23		A	19		15		13
C	28	28	30	28	22	18	13	24	20	28	30	26
M	16	18	18	20	21	21	22	19	17	15	15	13

JULIUSRUH/RUGEN

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.86 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	12	17	12	18	19	S	22	20	C	18	C	13
02	20	16	14	19	21	20	A	20	17	17	C	14
03	19	19	17	18	18	S	24	20	20	18	C	12
04	17	16	F	S	17	23	A	21	F	C	16	11
05	17	14	F	19	19	22	22	22	20	C	15	20
06	14	16	S	A	F	24	C	A	18	18	15	19
07	14	13	17	F	A	C	C	A	C	19	14	14
08	17	12	A	14	S	F	20	A	F	20	14	18
09	14	16	16	F	20	24	23	20	C	A	12	17
10	15	C	15	F	21	A	24	23	21	18	13	19
11	17	C	18	17	19	21	A	A	17	19	12	12
12	19	15	16	18	17	23	A	18	A	18	13	16
13	16	S	18	18	17	S	A	A	18	16	11	18
14	16	17	17	17	S	A	24	A	A	16	10	16
15	A	19	20	18	A	F	A	21	21	20	10	15
16	16	14	C	20	21	21	A	S	17	19	8	14
17	16	15	C	18	19	F	A	C	18	18	9	15
18	18	15	15	F	21	24	C	C	20	18	A	16
19	17	17	16	A	A	22	21	C	20	C	11	12
20	13	11	16	17	A	A	A	C	C	C	8	12
21	17	17	13	19	22	21	C	C	21	C	8	C
22	15	14	20	19	C	23	21	C	19	17	11	C
23	17	12	18	18	S	24	22	C	19	A	10	C
24	15	16	17	20	A	20	21	C	C	S	14	C
25	15	18	17	A	A	22	A	C	16	17	9	C
26	15	16	20	20	20	C	20	C	18	16	10	C
27	16	12	18	18	C	22	A	C	A	16	11	C
28	12	11	18	18	A	A	20	C	C	14	11	C
29	16		16	19	A	24	22	C	C	14	9	C
30	A		F	C	23	23	S	C	C	19	8	C
31	17		19		21		20	C		17		C
C	29	25	24	18	20	22	15	9	17	23	26	20
M	16	16	16	21	17	18	22	20UC	19	18	11	14

MIRNY

PERIOD NOON UNITS 1.0 DB FREQUENCY 1.9 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	28	23	39	C	24UAR	37UA	30	19	25	32	C
02	26	31	28	27	22	21	27UA	C	40	28	40	38
03	26	25	26	23	31	17UAR	N	N	36	24	29	33
04	30	30	32	22	21	AR	19UAR	R	50	27	20	C
05	27	37	35	27	R	30	C	27	41	40	29	27
06	29	S	30	44	37	R	N	C	30	24	46	C
07	33	46	39	28	C	26UA	19UAF	38UA	24	28	39	C
08	25	39	37	22	41	C	39	32UA	23	C	C	21
09	30	C	26	19	20	C	32UAR	31UR	20	25	30	35
10	36	49DB	C	38	18	51	36UAR	32UA	20	28	30	29
11	20	C	20	25	36	19UAF	R	34	17	23	30	20
12	26	34	24	C	R	R	20UA	35UR	20	30	21	30
13	28	36	22	24	24	24	R	C	21	35	C	25
14	31	C	31	33	29	34UAR	31UAR	24	19	28	29	30
15	30	42	32	52	31	C	24	26	27	28	26	27
16	27	45	30	30	C	20A	22UA	26	43	28	24	27
17	33	38	26	25	C	20UAF	21UR	28	58	32	23	27
18	28	32	28	17	C	R	21	24	31	29	42	28
19	33	29	27	38	31	25UA	37UAR	18	33	26	27	28
20	26	C	22	44	C	R	20UAR	41	26	23	33	30
21	30	39	27	42	23UF	C	34	49	26	26	33	30
22	29	39	29	34URN	39	36UA	R	41	27	23	C	25
23	30	29	26UC	50	27	C	22UA	29	22	26	32	29
24	22	32	28	38	37UAR	R	22UR	40	31	28	28	28
25	28	30	31	26	22	R	32	39	25	32	C	31
26	24	31	36	22	28	23UAR	46	45	29	26	28	C
27	30	30	40	28A	R	31	R	C	22	25	C	31
28	26	28	C	C	R	50	N	34	34	27	30	30
29	26		42	20	20URF	34UR	35UA	41	44	29	31	32
30	28		39	C	16UR	37UA	N	45	35	27	32	31
31	C		31		24UR		30	30		25		30
C	29	23	29	26	18	15	18	24	30	30	25	26
M	28	32	29	28	28	30	32	33	27	27	30	30

MIRNY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	29	22	31	R	16UAR	44UAR	28	21UR	25	28	30
02	27	42	34	24	15	20	22UAR	C	32UA	23	28	26
03	28	26	17	22	26UAR	15	30UAF	N	24	23	22	28
04	36	27	23	C	19UA	N	R	R	48	22	22	25
05	29	33	30	28	10	26	14UAR	23UAR	44	26	28	30
06	26	58	23	34	34	R	20UAR	N	22	22	38	22
07	26	33	32	34	C	20UAR	C	34UAR	19	31	27	36
08	22	40	25	17	34UA	10UAR	31UAR	28UAR	16	20	29	21
09	26	25	18	18A	22UA	22UA	C	28UAR	14	26	24	25
10	26	35	C	27	21	R	R	47UA	19	21	36	24
11	21	26	14	20	33	15UAF	17UFRA	31UAF	13	25	24	24
12	28	31	20UA	14UAF	29UAR	23UAR	15UR	C	14	25	28	24
13	28	36	32	18	19	14A	R	C	17	29	30	26
14	26	C	N	38	R	24UAF	N	20	18	20	23	26
15	27	28	43	36	C	R	32R	R	14	26	C	27
16	28	38	20	36	C	C	R	21UR	30	21	21	27
17	33	30	17	21	C	N	R	27UR	21UA	21	25	28
18	25	36	21	26UR	C	23UAFR	C	21	38	21	32	25
19	31	34	25	29A	28R	20UA	31UAF	17AR	28UR	19	26	28
20	26	C	24	35	C	20UA	R	R	25R	21	31	25
21	30	40	22	29A	18	N	27	N	22	22	29	31
22	29	30	31	30UR	23	26	F	27	25	23	C	23
23	26	29	27	55	36UAF	C	16UAF	24UA	22	23	27	40
24	31	29	32	31	33	21UAR	R	26	20	23	25	31
25	C	31	23	R	14UR	C	26UA	52UA	44	27	C	34
26	22	27	38	20UA	20	35UAR	39	46	23	25	26	35
27	28	26	34	28A	R	20UA	N	C	22	19	C	28
28	28	29	34	29	R	30UAR	15	28UA	30	31	21	32
29	34		22	16UR	AR	R	58UA	R	26	13	23	34
30	25		36	R	10UR	26UA	R	33	29	22	28	26
31	35		31		R		N	29		23		26
C	29	26	29	25	17	18	11	17	29	31	26	31
M	28	30	25	28	23	22	31	28	22	23	28	27

MIRNY

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.6 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	19	12	18	R	R	22UA	C	R	15	18	C
02	26	22	22	13	2	R	N	C	R	32	19	36
03	22	22	R	9	14AF	F	F	R	14R	R	24	36
04	28	25	12	17	R	2UAF	26UAF	N	56	12	16	20
05	25	27	18	R	1	19	6UAF	20UAF	26UA	49	22	21
06	16	44	16	20	15	R	C	11UAF	R	21	34	19
07	18	32	30	C	C	8A	C	25A	R	18	15	23
08	17	N	15	N	17UA	R	28UAR	17UA	8	26	17	31
09	25	21	18	20UA	16UA	N	C	15UAR	7	C	13	23
10	20	44	C	18UA	R	11	10UAF	C	11UR	11	26	23
11	17	18	13	C	11	3F	7	13UA	9UR	16	18	23
12	22	30	21F	5UAF	17UA	6UAR	R	C	R	10	20	35
13	21	C	8	10	11	8UA	12UAF	C	8	21	21	23
14	15	C	17	20	C	C	N	4UA	6UA	10	18	32
15	19	20	28	20	C	13UAF	R	4UFR	4UR	24	9	27
16	22	27	9	31	C	15UAF	7UAF	10UA	C	18	N	24
17	17	23	14	R	C	F	7UA	7UA	R	17	21	27
18	15	25	12	2	C	8AF	C	7UA	8UR	16	22	26
19	22	23	6	23UAR	N	R	16UAF	6	R	19	20	22
20	31	C	12	17UAR	C	4A	8UA	20UA	R	15	21	29
21	23	24	N	N	R	14	12UA	N	8UAR	12	22	24
22	22	20	12	21	N	14AR	19UAF	N	R	17	C	23
23	19	20	16UAR	21	10UA	C	7UAF	R	10	21	22	21
24	30	19	20UR	19UR	13UAF	2UAR	F	23UA	R	14	14	24
25	C	30	16UR	14UR	R	10UF	3UA	21UA	36UA	15	C	31
26	24	17	26	19UA	C	19UAR	29	35UA	N	12	17	26
27	19	19	N	12	R	10UAR	R	C	R	C	C	26
28	24	19	21UR	21UR	13UAR	31UA	7	R	38	18	25	32
29	22		21	8	4UF	10UAF	19	N	R	20	25	21
30	19		20UA	19UR	3	10UARF	10UAF	R	20	15	25	22
31	40		19UAR		9UAF		R	13UA		21		22
C	29	24	26	22	15	18	19	16	12	28	26	30
M	22	22	18	19	11	10	10	14	12	17	20	24

MURMANSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	21UF	F	27	F	B	33	37	20	B	B	R	58DB
02	F	F	33	B	48DB	34	F	F	43DB	35UH	B	31UF
03	26DB	F	28UC	B	33US	27UC	35US	26UH	32	41UF	R	28
04	B	B	B	B	37DB	B	30UC	C	54DB	R	C	34
05	72DB	F	B	B	35	32	32	F	34DB	B	C	B
06	19US	B	B	40US	32	24	27UF	B	59DB	B	24UF	20DB
07	C	F	S	B	S	10	29UF	55DB	54US	45UR	55DB	40UF
08	20	26UC	B	B	35UC	35	B	S	B	B	B	13
09	20	B	B	33DB	26	17	C	23		B	B	25
10	B	75UF	34	42	8US	26	C	28UF	65DB	R	B	30
11	18UC	F	B	33UF	B	B	29	55DB	S	24	55DB	14US
12	F	F	B	33D	54DB	F	39	B	44DB	B	B	C
13	11UF	B	B	39DB	33	21	B	56DB	56DB	F	R	14UA
14	S	F	F	32	B		B	25UF	32UB	R	B	49DB
15	11UF	F	50UF	34	B	C	33UC	18	34US	C	55DB	7
16	F	30UF	F	B	B	26	30	24UF	16	R	B	5UC
17	B	F	B	S	B		36US	25UC	32DB	F	47DB	B
18	23UF	C	43UF	36	44DB	28	55	C	65DB	C	36DB	13
19	F	F	30	60DB	C	20	B	55DB	25	R	55DB	A
20	F	R	31	B	26	21	34US	F	26UF	R	55DB	7
21	F	B	37D	47UF	29	26	36	18	39UF	B	41DB	A
22	39US	F	28	42	33US	30	57UB	F	B	R	33UF	18
23	F	44UF	B	44	37UF	22	35UF	14	C	F	F	C
24	F	19UF	56UC	42	B	12	32	7	B	R	55DB	C
25	S	F	B	42	44DB	B	C	25UF	32	B	55DB	1UC
26	15UF	B	83D	82DB	41	B	F	F	B	B	25	6UC
27	F	C	65D	41	B	C	28	15	B	63DB	55DB	9UC
28	F	R	27UF	B	29	22	34UC	15	44UB	B	40	11
29	F	32UF	36	B	52DB	24	43UB	15	B	B	40UA	27UF
30	F		85DB	50DB	33	27	F	10	B	C	37UF	6
31	F		42D		34UF		39UF	27UH		R		A
C	15	12	28	28	29	25	25	23	27	15	24	25
M	21UF	75UFB	60UC	46UF	37DB	26	35US	25UF	54DB	B	55DB	18

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PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	15	C	21UR	41UH	28	32	43	45	B	34UC	R	31
02	A	C	28UR	36UH	33UF	31	34UR	48	33	45	F	34
03	21	F	B	C	30	30	44	C	37UC	48	A	27
04	F	6	B	C	32	32	33	C	62DB	33UA	48DB	19
05	10	F	50UF	C	C	40	33	21	51DB	28UH	35UR	18
06	20	12UF	H	C	C	78DB	44	C	31	37UH	32UF	30UA
07	C	B	64DB	C	31UF	32	33	C	38	21	R	16
08	15	47UF	45	C	52US	32	39	28	34UC	41	23UF	23
09	18	R	F	C	64DB	42UC	35	28	57	28	22UF	14
10	14UH	F	34	40UH	B	54UC	S	21	36	44	40UF	14
11	15UF	B	B	43UH	43UH	34	32	32F	37	R	A	25
12	C	29UR	33	36UF	F	39	40US	39	29	40UF	34UF	17UC
13	41	C	H	35UA	C	32	26US	13	34	F	29UF	43UA
14	33UF	C	27UR	34UH	38UC	79DB	34UF	38	80DB	24UR	38DB	A
15	C	C	F	29UA	37	42UC	B	45UF	34UH	R	23UF	6
16	22	C	45UH	40	38UC	B	39UC	31	B	F	15	13
17	1	C	30UH	38	86DB	B	33	F	B	27	C	C
18	21	R	33	C	66DB	55	30UH	38	B	34UR	F	23
19	28	F	H	48UC	63	37	S	B	B	R	23UF	72DB
20	19UH	R	46UF	66	C	38	29	B	F	R	42DB	24UA
21	24UC	R	30	C	C	49	35	39UB	50	C	32UF	18
22	85DB	38UR	30	C	48	33	32	43	79DB	29UR	35	11
23	48	F	47DB	C	82DB	44	C	49UF	H	B	19UC	19
24	21US	R	84DB	C	38UC	44	32UC	B	F	R	29	18UC
25	28	F	B	45UC	34	41	40	F	39	C	21	30
26	19UF	B	B	38UH	44UF	32	34	41	78DB	R	25UF	41UF
27	23	R	B	C	40UC	38	28UC	B	H	75DB	19UF	18
28	31	R	56UF	C	53UF	46	B	34	B	R	2UC	32
29	20US		34UF	C	43UC	38	C	B	B	36	19	32
30	23		26UC	52UH	63DB	B	51US	37	78DB	R	C	18
31	20UC		C		40		34UF	30UF		B		23
C	25	8	25	15	25	30	27	25	26	19	22	29
M	21	42	45	40	43UH	40	34UF	39	54	36	27	23

MURMANSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	7UF	F	20	F	F	36	33	F	B	B	17	38DB
02	77D	18UF	F	B	F	R	24UR	F	F	26	24UC	13
03	53UF	13UF	40UC	B	F	25UR	33US	R	29UF	20	18UC	14
04	B	F	B	B	F	54	F	F	32UF	24DB	C	18
05	F	F	B	52DB	R	25	R	F	24UF	30	C	14
06	15	B	B	36UF	26	13	27UR	61DB	F	47DB	16	16UH
07	C	30DB	47D	41UH	S	23	17UR	F	40UF	57DB	19	19
08	15UF	C	B	B	C	18	F	F	59DB	B	22	9
09	46	38UF	B	30D	R	F	C	R	F	B	35DB	19
10	S	22UF	F	F	23	39	B	F	63DB	40	37	20UF
11	15UC	22US	40	F	B	39	F	B	29US	26	35	F
12	18UF	17	B	34	74DB	R	R	F	38UF	17UF	28UH	C
13	5UF	B	77D	37DB	26	37	51UB	60DB	58DB	H	20	16
14	S	30UC	F	26UF	B	R	F	F	25UR	31UF	23UH	27UF
15	10	22	32	28UF	B	C	27UF	R	31US	C	23	15
16	21UF	24UR	32UF	F	B	R	27	F	22	23	B	C
17	B	22UC	52DB	28	B	F	F	28UR	F	11	25	34DB
18	9UF	25UC	F	36D	79DB	26	R	C	30DB	C	29	13UF
19	F	28	26	89DB	C	22	B	59DB	15	24	26	12UF
20	F	24	32	B	56	R	F	F	12UF	41DB	23	6UF
21	F	30DB	46D	F	R	R	F	16UF	28UF	40UB	28	6UF
22	19US	26	F	34UR	F	C	F	F	B	39	22US	6UF
23	8UF	27	B	33	F	R	F	8UR	S	22	37UB	54UF
24	F	16	C	R	B	R	35	16UF	B	F	31US	C
25	21US	F	B	F	53DB	B	F	F	19UF	B	29UF	10UF
26	10UF	21	35	F	33UF	R	18UF	F	B	58DB	7	7UC
27	21UF	19UC	34	F	B	C	F	19	50UB	58DB	19	8UF
28	C	16UF	F	B	29UF	22	F	11UF	40UF	58DB	11	10UF
29	14UF	F	24	89DB	R	26	R	13UF	57DB	B	22	35UC
30	F		B	44UF	28	20	F	F	B	C	13UH	13
31	11		32		R		27UF	24		24UC		17
C	21	23	24	21	17	16	13	12	25	26	28	27
M	15	24	46D	41UH	74DB	26	27UR	26	38UF	40	23	14

MURMANSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 3.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	17	C	9UF	F	R	27	F	R	F	24UF	16	14UF
02	11UF	12UC	12UF	18UF	F	R	R	R	26UF	21	24UF	49U
03	20	13	F	C	F	R	R	C	C	33	17	14
04	20UF	12	F	C	R	18	R	C	24UF	27UF	12	26UF
05	13UF	12	19	C	C	F	27UA	R	F	F	11	12
06	24	11	13	C	C	48	R	C	20UF	20UF	21	36
07	C	44UB	18UF	C	28UF	R	32	C	F	5	15DB	3UF
08	14UF	28	31UH	21UF	F	16	28	R	12UF	F	14	24UF
09	48UF	31	F	C	R	C	R	R	17UF	1	12	13
10	18	29	6	19U	B	R	R	R	4UF	16	30	12
11	16UC	42	60DB	F	R	F	22US	R	29UF	7	5	36
12	C	20	18	F	F	34	15UR	R	13UF	10UF	11UC	17
13	44UH	C	22	15UF	C	F	F	R	17UF	15	9	16
14	40	C	20	R	C	R	R	R	41UF	15	10UF	21
15	C	C	27UF	R	R	24UF	B	R	F	22	10	7
16	11	C	21UH	16UF	R	B	R	R	B	24	11	15
17	2	23	23	23DB	R	B	R	R	B	13	43DB	7
18	10	27	15UF	C	52UR	R	24UR	R	F	21	5	16
19	8UF	10	F	C	F	R	F	B	70DB	15	13	21
20	6	20	21UH	B	C	23UR	R	R	F	9UC	8DB	29
21	C	24UF	F	C	C	30UR	R	R	26UF	C	21	16
22	79DB	19	26F	C	30UF	19	R	R	37	14	23	16
23	25	12	F	C	48DB	F	C	R	F	37	12UC	8UF
24	13	16	F	C	R	36UF	R	B	F	17UC	26	F
25	16	32	B	R	R	25	R	R	29	C	15	23
26	19	B	B	20UR	45UR	R	25UR	F	28	27	10	8UF
27	21	16	48UH	C	57UC	R	20UF	R	F	20	3UF	28
28	14	17	29UF	C	49UC	R	B	R	B	12	1UC	12UF
29	7		18UF	C	C	R	C	C	38	23	6	54DB
30	17		17UC	R	18UF	B	R	F	37UF	37	C	7
31	9UC		F		39UF		30UF	F		26		33
C	27	23	23	8	10	14	11		20	27	29	30
M	16	20	21	20	46	28	27UA		28	20	12	16

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	20	10	23	C	29	24	32US	23	16	12	20
02	6	13	8	24	26	28US	25	C	24	14	C	C
03	18	14	10UC	24	C	24	C	C	14	24	10	17
04	16	20	C	22	26UC	28US	C	C	23UC	16	14	14UR
05	C	34	C	20	C	26	29	C	15UC	22	12	11R
06	23	12	20	20	28	29US	26US	C	23	14US	9	20
07	18	10	20	16	C	30US	24UC	C	19	16	C	20
08	11	C	25	20	25US	23	23	24	12US	10	19	20R
09	17	15	21	17	23	29	25	26	18US	14	11	14
10	27	14	C	22	26	28	26	C	16	18	18	12
11	23	C	16	26	22	28	24	29	16	16	9	18R
12	34UB	C	16	24	24	26	26	20	20	12	12	18UR
13	33UC	14	16	24	C	30	30	C	24	19	18	18UR
14	22	20	16	17	25US	27	27	24	22	16	10	13
15	14	25UB	14	16	27US	23US	24	22	15	20	14	12R
16	18	21	16	14	28	26	24	24	14	18	17	18
17	14	22	14	12	28US	30UC	26UC	21	17	12	12	26UR
18	12	28	C	16	27UC	30US	26	22	16	C	13	25UR
19	10	23	16	10	30	28	28	20US	18US	10	14	20UR
20	10	16UC	19	12	24	30	24	22	20	13	10	26UR
21	20	26	21	17	29US	37	30	C	14	15	8	26UR
22	24	27	19	14	C	34	26	22	15	15	12	24R
23	C	22	16	15	26	36	28	24	13	18	10	18
24	33	22	19	C	28	C	25	17US	C	16	9	15
25	25	25	20	16	23	C	21	22	15	15	12	16
26	12	22	C	17	18	C	29UC	28	28	20	16	16UR
27	17	32	C	17	28	C	34	C	37	16	23	19UR
28	C	C	18UC	C	25UC	C	27	22	20	16	8	13
29	C	20	19	C	28	C	30	24	14UC	14	10	C
30	C		19	C	30	C	25UC	24	16	14	16	15
31	22		17		30US		28UC	20UC		16		C
C	25	25	25	26	25	23	29	21	29	30	28	28
M	18	21	18	17	26	28	26	22	17	16	12	18

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.1 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	18	12	18	28	11	19US	28	C	20US	10US	10
02	C	13	10	17	24	18	19US	27	18US	23US	16	12
03	C	13	14	C	28	22US	20US	30US	14US	C	14	14
04	22	14UC	18	18UB	25US	22US	16US	27	C	14UC	C	16
05	19	14	18	18	20	24US	22US	26US	C	18US	15	14
06	20	7	18	16	C	26US	24	33UC	C	18US	11	23
07	20	16	25	C	24	22US	26UC	21US	C	20	16US	19
08	22	10	16	9	30	22US	C	23US	C	16US	8	20
09	22	11	14	17UC	30	20US	C	20US	C	14	12US	19
10	19	15	10	19	22	22	C	22UC	C	15UC	12	10
11	12	11	C	16	20	26US	C	C	C	20	13	C
12	12	13	15	18	20	24UC	C	23US	C	18	10	C
13	17	9	12	18	23	20	17UC	C	C	15	10	18
14	16	23US	20	16	18	26UC	14	C	18US	18	10	16
15	14	13	21	18	20	24	17	C	15US	14	11	14
16	14	19	19	19	26	25	26UC	16US	17US	16US	10US	10
17	19	14	14	C	25	26US	20UC	23US	C	18US	6	11
18	18	16	19UC	C	17	22US	24US	24	16US	14UC	12	10
19	16	12	19UC	15	C	16US	20UC	24	20US	20	12US	15
20	16	12	19	22	17	26	18	29US	22US	18	11	13
21	15	13	22	23	24US	20US	20UC	26	10US	16R	10US	6
22	15	14	14	18	15US	C	20US	26US	16US	14US	C	12
23	20	14	18	22UC	15US	24US	22	22US	16	11UC	C	23UR
24	16	11	16	20	25US	22	20	23	20US	C	5	16
25	11	8	20US	20	21US	21	27	24US	18US	C	10	14UR
26	C	9	16UB	20	22US	18UC	21US	22US	20	C	10	19
27	C	12	18UC	18	30US	C	18	24US	18US	C	10	13
28	9C	12	21	20	23US	C	24UC	C	16US	11UC	C	14
29	11		14UB	19	20	20US	C	28UC	16US	22	8	15
30	9		20US	21	21	24US	C	20UC	19	18US	7US	22US
31	16		17				19UC	26US		19UC		8
C	26	28	30	26	28	27	24	26	18	26	26	29
M	16	13	18	18	22	22US	20US	24US	18US	18US	10	14

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY * MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	8	32	22	C	14	24	20	26R	28UR	10	12US
02	8	4	30	28	18	28	26	C	18	10	C	C
03	15	14	C	28	C	28	C	C	16UR	13	6	8
04	16	13	C	21	30	22	28UC	C	C	C	20	8
05	C	13	C	18	C	22	22	C	11R	C	22	4
06	20	5	28R	23	26UC	22	27US	C	10	15	10	9
07	12	3	26	20	C	26	19UC	C	18UR	12UR	9	6
08	10	C	28UR	20	24	13	19	17	12	22	C	9
09	C	12	31	16	21	22UC	29UR	20UC	16R	8US	14	9
10	18	8	C	C	20	24R	24UC	C	20	10R	13UR	8
11	16	C	24	24	16	C	20	18	19R	C	11	2
12	20UR	C	38R	24	28	22R	16UC	23	22	13	10	6
13	24UC	12	38UR	26	C	24UR	20	C	20US	9	14	4
14	13	14	30UR	25	24	18	25UC	24	18UR	10	8UR	4
15	4	22UR	25US	14	27US	22	24	16	17	18US	13	8
16	11	18UR	36R	22	24	23	28	18	21	8	13UR	8
17	10	16	24	20	28	24	24	17	20R	10US	10UR	12
18	8	20UR	C	17	18	23	24	18	17	C	16	13
19	6	16UC	24R	22	28	28	30	24	22US	16	17UR	13
20	8	20UC	23	18	24	26	23UC	16	12	11	18UR	8
21	C	16R	18	16	26	28	24	C	17UR	12	19R	13
22	18	14UR	17	12	C	26	25	20	19UR	12	19	14
23	17R	16UR	22	16	21	31	18	24	12	8	20R	9
24	C	14UR	27	C	24	C	16	16	11	12	11UR	9
25	18UR	17UR	24	16	24	C	17	23	18UR	14	16	16
26	12	20UR	C	10	16	C	34	20R	32	12	11	10
27	10	28UR	C	26	22	C	26	C	24R	18	14UC	14
28	C	C	14	C	23	C	21	17	16UR	10	8	9
29	12UR	18	14	C	24	C	24	29US	16R	9	10	C
30	12R		20	C	28	C	18	26R	16	14	8	8
31	11R		14		26		28	16		16		16
C	25	25	24	25	25	22	30	21	29	27	28	29
M	12	16	24	20	24	24	24	20	18	12	13	9

* SAMPLING FREQUENCY 3.0 MHZ JANUARY - FEBRUARY AND OCTOBER - DECEMBER
2.8 MHZ MARCH - SEPTEMBER

ROSTOV

PERIOD NOON UNITS 1.0 DB FREQUENCY * MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	14US	20	14	22	26US	24US	28	C	29US	10	15UC
02	C	12	15	20	24	18US	27US	23	24	31	15	10
03	C	14	9	C	25	28	24US	25	28US	C	20UR	16
04	28UC	17	26	19UB	26	28	23	30	C	28R	C	11
05	17	6	22R	20	32	32US	24	28US	C	26UR	16	16
06	13	8	15	14	C	34UR	26US	34UC	C	22US	11	14
07	14	6	16	C	34	32US	C	20	C	28US	23US	19US
08	14	7	28	17	30	35US	C	22UC	C	27US	14	C
09	11	4C	21R	18UC	30	32	C	24US	C	18US	16UC	16
10	10	7	14	19	23	33US	C	30	C	C	19UC	8
11	10	C	19	17	24	37US	C	C	C	14	20	C
12	11	8	10UC	17	19	25UC	C	20	C	18	16	C
13	12	12	14	24	20	32US	22	C	C	18UR	18	12
14	8	17	20	24UC	28	32	24	C	20	17	12	10
15	10	15	26	26	24	34US	29	C	18	17US	14	11
16	11	19UR	16	28	32	30US	34UC	26	27US	17US	11	4
17	16	20UR	12	C	30	27UC	25	22	C	12	15	7
18	10	15	14UC	C	24US	34US	26US	23	24UC	12	18UR	8
19	12	13	20UC	24	C	31UC	28UC	24	24US	16UR	16UR	12
20	10	12R	25UC	20	25US	38US	24	22	24US	20UR	23	6
21	10	16	22UC	24	26UR	30UC	29	23	22US	19R	16UR	2
22	12	14UR	15	26	24US	C	22	30	22	12	C	6
23	13	14UR	24UC	18	28UC	30US	19US	28	24US	C	C	12UR
24	10	18	14	24UR	21US	32	20UC	25	21US	C	C	12
25	C	18	21UC	24	27US	30US	27	23	30UR	C	11	10UC
26	C	13UR	19UB	14	24	C	26	24US	28	C	16UR	11US
27	C	15UC	22UC	14	36US	C	26	24US	24US	C	14	16
28	8C	14R	24UC	29	30	C	30	C	26US	22UR	C	8
29	11		24UC	32	14	31	C	24	18US	18UC	14UR	10
30	10		16	22	25	28US	C	35US	24	18	13	18UB
31	11US		24				20	24US		22		8
C	25	27	31	26	28	26	23	26	18	24	25	28
M	11	14	20	20	25	32US	25	24	24US	18	16	11

* SAMPLING FREQUENCY 3.0 MHZ JANUARY - FEBRUARY AND OCTOBER - DECEMBER
2.7 MHZ MARCH - SEPTEMBER

SINGAPORE

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	40A	36A	43A	40A	39UC	34A	32A	41A	43S	42A	40A	C
02	29A	30A	38A	39A	44UC	40A	30A	35A	42A	42A	46A	C
03	46A	36A	47A	42A	34UC	36A	32A	38N	41A	38A	40A	C
04	31A	36A	44A	40A	45UC	40A	39A	42A	35A	39US	39A	35A
05	44A	36A	44A	47A	42UC	37A	34A	34A	C	47US	36A	31A
06	39A	43A	34A	42A	45UC	33A	34A	42A	C	46	35A	31A
07	38A	45A	46A	C	40UC	33A	36A	40A	41A	32	42A	29A
08	19A	53A	51A	40A	33UC	32A	36A	48A	50UA	38	36A	32A
09	38A	48A	49A	45A	37UC	34A	34A	36A	43A	45A	46A	26A
10	37A	35A	47A	47A	33UC	31A	39A	36A	40A	40A	37A	36A
11	41A	24A	56UB	36A	26UC	27	35A	39A	40A	40A	37A	30A
12	43A	36A	34A	39UC	C	40A	33	34A	42A	44A	35A	C
13	38A	30A	39A	40UC	42UC	33A	37A	39A	44A	46A	40	40A
14	39A	39A	41A	45UC	40UC	33A	34A	34A	43A	45A	C	32A
15	37A	36A	44A	28UC	42UC	39A	20A	44A	41A	43A	C	32A
16	38UA	32A	62UB	47UC	39UC	32	38A	39A	42A	43UA	35A	39A
17	42A	36A	41A	49UC	35UC	30A	36A	33A	41A	46A	35A	38A
18	39U	54A	42A	34UC	31UC	34A	37A	35A	40A	41A	36A	25A
19	36U	40A	44A	33UC	34UC	36A	34	36A	C	43A	38A	33A
20	40A	46A	42A	46UC	C	28A	36A	35A	42A	49A	37A	39A
21	37A	41A	48A	27UC	C	36N	36A	39A	40A	40A	33A	37
22	41A	54A	40A	45UC	33A	30A	C	31A	38N	53A	32UN	28A
23	37A	26A	42A	43UC	41A	36A	C	A	34S	42A	36A	42A
24	33A	44A	42A	32UC	38A	37A	C	26A	42A	48A	35A	22A
25	31UA	32A	45A	20UC	41A	31A	C	51A	C	34A	40A	21A
26	35A	48S	46A	24UC	30A	32A	C	41A	44A	49A	42A	33A
27	36A	38A	38A	39UC	45A	35	37A	45A	47A	47A	35A	31A
28	32A	C	36A	39UC	32A	34	35A	49US	44A	52A	27A	36A
29	38A	41A	42UA	36UC	25A	31A	37A	39A	47A	44A	26A	33A
30	42A		45A	41UC	40A	34A	34A	41A	51A	53	C	30A
31	37A		47A		35A		40A	42A		44A		18A
C	31	28	31	29	28	26	26	30	26	31	27	27
M	38A	37A	44A	40UC	38UC	34A	35A	39A	42A	44A	36A	32A

SINGAPORE

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	33A											
02	33											
03	C											
04	28											
05	37											
06	32A											
07	36A											
08	35UN											
09	C											
10	40UN											
11	C											
12	29A											
13	40A											
14	36A											
15	17A											
16	34A											
17	30											
18	20											
19	22A											
20	22A											
21	C											
22	34UN											
23	34A											
24	30A											
25	31A											
26	31											
27	30S											
28	25A											
29	36UN											
30	42A											
31	C											
C	26											
M	32A											

TAIPEI

PERIOD NOON UNITS 1.0 DB FREQUENCY 5.8* MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	NOV	DEC	NOV	DEC
01	C	7	11	C	10	7	C	25	C	17
02	C	C	C	15	C	C	C	27	C	19
03	C	C	8	16	9	10	C	27	C	18
04	7	8	10	C	12	14	C	22	C	17
05	16	9	10	14	8	12	C	22	C	13
06	13	8	13	14	C	C	C	28	C	4UA
07	12	C	C	12	C	4	C	21	C	7
08	13	7	8	11	8A	2A	C	21	C	7A
09	13	8	7	C	C	10	33	27	18A	12
10	C	7	9	C	11	13	37	28	19	14
11	13	7	12	C	18	15	37	25	29	15
12	13	8	14	11	16	12	36	24	28	15
13	10	8	9	17	14	C	34	29	22	13
14	15	C	C	11	10A	13	31	C	24	C
15	12	C	10	13	15A	11	41	C	17	C
16	10	9	7	12	C	17	C	C	C	C
17	C	8	11	12	12	B	C	29	C	16
18	C	10	11	C	9	C	C	24	C	14
19	13	10	10	14	3	11	28	17	16	17
20	8	12	11	14	11	C	24	C	19	C
21	12	C	C	13	9	13	C	22	C	10
22	18	10	12	13	21	5	C	26	C	13
23	10	10	C	12	C	16	C	24	C	13
24	C	11	13	10	17	15	C	21	C	17
25	14	11	12	C	12	16	C	21	C	11
26	C	10	11	13	12	15	26	24	14	20
27	14	C	14	12	14	C	28	32	17	24
28	13	C	C	12	18	C	21	27	15	15
29	9		C	15	13	C	15	S	13	4
30	C		13	12	C	C	15	20	14	24
31			10		22					
C	22	20	24	23	24	20	14	25	14	26
M	13	8	11	13	12	12	28	24	17	14

* 2.3 MHZ FOR FIRST NOVEMBER, DECEMBER INPUT
* 3.5 MHZ FOR SECOND NOVEMBER, DECEMBER INPUT

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	27	C	38	37S	37DSN	43	38	29	37	26N	26	23
02	26	C	37	42S	37DN	42N	35	34	26	33N	27N	14N
03	37	C	26	31S	41	C	37N	30	29	26N	25	16N
04	27	C	31	36	35US	39UC	32	29	C	26N	30	16
05	27	30	C	36	43S	C	39	27	24	38	30N	18N
06	30	33N	31	34N		39	C	34	31	C	29N	16
07	C	29N	31	39	38S	44	35	34	31	32	25	21N
08	30	27N		33	35	41C	33	33	35	31	25N	24
09	35	25	37	35	39S	40	C	36	27	27N	28	16
10	35N	32	29	42N	C	35US	36	29	27N	33N	22N	17
11	34	28	31	35	38S	39	35	C	35	32	C	20
12	34	22N	31	C	C	35S	37	C	34	23	25	19N
13	36	23	31		C	36S	40	C	38	27	C	19
14	22	24UC	C	39US	C	C	40N	C	27	33	25	17
15	24	23	C	C	36S	45	31N	C	37	26	17N	30
16	26	47	C	42USN	C	41	40N	C	33	36	C	29
17	34	31	36	C	42	35	50N	C	23	30N	16	28
18	C	22	34		37	35	30	C	32	25N	30UC	30
19	C	20	34		C	34	C	C	27N	33N	13	23
20	32	29		37	37	43	37	C	26	29	12	C
21	C	32N	30	46U	34	43	39	C	25	27N	14	C
22	41	24	33	36	39S	47	36	C	25	29	6	17
23	35	28	34	35	36S	40	36	C	33	30N	7N	18
24	29	29	32	47U	C	37	36	C	26U	23N	12	18
25	27	28	38	36	C	33	42	C	C	21	14N	11
26	31	30		C	C	36N	C	29U	C	21N	16	27N
27	32	29	37	33	C	33	42	26	C	30	12	29
28	30S	26	36	36	36	35	38	39	C	24	12	20
29	59UC	B	C	C	40	38	37	29N	N	22	20	21
30	39		47	36	C	34	34	C	49	31	16N	23
31	38		44		C		37N	29		22		17
C	26	24	23	18	17	25	27	14	23	30	26	29
M	32	29	34	36	38S	39	37	30	31	28	18	19

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.0 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	34	33	34N	38	37	29S	30	27N	34	24	20
02	24	32	29	28	36N	34	30	30N	31	34	21	20
03	21N	30	33	34	32	35	33	30	29	34	23	25
04	C	22	35	31	37	34	40	36	29	33	17	15
05	21	27	32	32	30N	33	34	33	28N	34N	18	17
06	16	26	33	33	36	34	37	31	25	18	20	22
07	17	19	33	30	35	34	37	31	33	32	21N	20
08	18N	24	C	36	35N	34	36N	31	39	31	24N	23
09	17	24	36	33	40	32N	38	38	18	29	26	15
10	19	28	32	32	39N	33	38	34N	29	31	26	20
11	20N	27	32	32	40N	35N	38	40	26	33	26	C
12	17	29	32	35	37SN	C	33	37	32	27	25	22
13	18	31	35	31	37	36	34	31	20	18SN	26	15
14	17	27	33	37	36	39	33	31	28	26	24N	C
15	12N	26	35	31	42	36	36	30N	30N	28	24	24N
16	19	27	34	37	43	35	29	33	30	27	25	C
17	C	27	35N	30	44	34	38	31	35	26	24	C
18	19	25	33	36	41N	37N	30	35N	36	21	11	17
19	15	23	35	36	41	38	31	33	C	C	19	14N
20	16	28	34	33N	41	34	30	35N	35	27	C	19
21	17	26	36	40N	40	38	30	31N	28	28	16	21
22	17	35	34	41N	40	34	32	30	37	24	17	25
23	15	32	31	38	39	36	30	29	S	29	15	15
24	16	36	36	32	38	37	33	32	34	25	18	24N
25	21	29	36	39N	37	29	28	36	29N	27	14	27
26	22	33	37	34	39	38	35	30	29	C	17	20
27	20N	30	34	36	40	34	31	32	28N	16	12	26
28	29	28	C	31	41	36	35	30	37	18	19	27
29	21		33	30	39	32N	35	30	39	25	10	36
30	20		34	34N	40	31	30	29	39N	26	9	29N
31	C		41		41		31	32		24		26
C	27	28	29	30	31	29	31	31	28	29	29	27
M	18	28	34	34	39	34	33	31	30	27	20	21

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	26	C	26	36	34SN	42	37SC	25	28	23N	23	15
02	25	C	30	38S	34N	34N	32	34	26	29N	27N	20N
03	31	C	24	32	38	C	34N	24	26	23N	21	20N
04	23	C	36	34	45	44UC	33	28	C	24N	27C	13
05	19	27	C	26	40S	C	37	26	24	33	28N	14N
06	19	22N	23	33N		36	C	33	31UC	C	24N	10
07	C	19N	20	37	39	41	34	33	27	28	22C	15N
08	24	27N		34	35	42C	37	24	35	27	25N	12
09	26	19	28	33	36S	39	C	35	16	C	26	15
10	25N	29	31	36N	C	39	39	29	27N	27N	22N	10
11	C	19	39	33	40S	41	34	C	32	29	C	9
12	C	18N	30	C	C	45	32	C	33	19	21	13N
13	25C	20	25		C	36S	40	C	37	22	C	18
14	18	19UC	32	45US	C	C	38N	C	24	31	20	10
15	C	20	C	C	36S	44	27N	C	32	23	17N	22
16	13	B	32	C	C	34	35N	C	32	30	C	21
17	28	31	29	C	41	35	41N	C	29U	28N	15	21
18	C	19	22		31S	36	34	C	31	23N	24UC	23
19	C	20	30		C	34	C	C	25N	23N	10	16
20	30	28		31	30	43	39	C	30U	24	10	C
21	C	34N	24	43U	28S	40	42	C	24	25N	12	C
22	35	18	33	28	40	38	39	C	25	25	3	15
23	C	20	28	29	46	40	35	C	32	28N	3N	18
24	C	29	34	33	C	35	35	C	30U	20N	11	15
25	21	28	34	36	C	32	40	C	C	17	12N	9
26	C	27		C	C	36N	C	41U	C	19N	8	20N
27	C	25	32	34	C	34	39	26	C	28	6	19
28	27	C	32	31	34	34	35	31	C	20	15U	7
29	53UC	31	C	C	43	38	37	28N	36	18	18	9
30	35		36	33	C	32	34	C	38	29	10N	12
31	36		42		C		34N	28		16		14
C	19	24	25	19	18	26	27	14	21	29	25	29
M	25	26	31	33	37S	37	35	28	28	24	18	15

TOKYO

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.4 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	29	29	30N	32	38	25	29	19N	25	23	17
02	18	29	21	28	29N	35	29	30N	20	29	21	20
03	19N	28	27	30	27	35	32	33	21	32	19	20
04	C	21	26	26	35	34	32	34	25	32	15	15
05	14	20	26	33	28N	35	30	33	20N	37	21	16
06	14	26	26	30	34	35	34	29	27	23	23	18
07	16	20	27	28	28	37	31	28	25N	25	25N	20
08	14N	22	C	32	33N	36	31N	29	36	30	22N	21
09	11	21	25	34	38	32N	38	36	30N	29	25	13
10	16	28	25	29	35N	35	34	34N	31	30	24	21
11	15N	24	28	28	30N	35N	33	39	17N	31	25	C
12	15	30	22	33	32SN	C	29	38	20	20	22	22
13	12	28	27	27	29	33	30	28	24N	25SN	22	17
14	10	24	22	25	35	40	29	31	28	25	22N	23
15	11N	26	25	34	36	33	30	31N	22N	28	28S	23N
16	15	27	27	34	38	37	30	29	21	32	23	25
17	C	26	32N	28	38	35	33	31	29	20	23	C
18	12	26	25	31	38	42N	31	34N	28	32	10	17
19	10	27	32	34	38	34	30	34	30	C	12	17N
20	11	25	32	34N	34	35	32UC	33N	28	27	18	19
21	9	18	30	35N	38	35	31	23N	28	30	13	21
22	13	31	32	42N	37	33	30	30	29	24	16	23
23	11	31	27	40	34	34	28	25	S	28	12	18
24	14	31	30	31	36	34	30	32	20	17	15	18N
25	22	26	32	32N	32	35	28	24	17N	21	9	23
26	19	35	32	41	32	39	27	30	17	C	15	19
27	19N	33	22	37	33	34	29	29	18N	15	15	26
28	23	32	C	33	33	35	30	30	32	19	17	25
29	16		33	29	33	33N	28	25	31	26	12	27
30	16		34	30N	36	30	26	29	29N	25	11	29N
31	C		35		35		27	27		25		27
C	27	28	29	30	31	29	30	31	29	29	30	29
M	14	26	27	32	34	35	30	30	25	26	20	20

TOMSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		G	C	C	C	21A	C	25A	24A	C	C	
02		G	21C	28A	C	21A	C	C	24A	C	24A	
03		G	21	31C	C	25A	C	26A	25A	32A	18	
04		G	19	27	25A	C	C	C	27	C	16	
05		G	23	C	C	C	C	30A	26A	31A	22A	
06		G	30	21A	C	26A	C	28A	C	28A	15A	
07		G	25A	21	18A	C	C	32A	27A	31A	18	
08		G	C	24A	16A	24A	C	33A	24A	32A	C	
09		G	27	22A	20A	22A	C	C	26A	C	21A	
10		G	23	24	C	27A	C	26A	C	C	22A	
11		G	21A	25A	25	21A	C	29A	C	C	20A	
12		G	17	C	27A	25	C	29	25A	33A	19A	
13		G	26A	25A	26A	18A	29A	C	C	26A	21A	
14		G	22A	26	C	C	25A	C	24A	29A	21A	
15		G	C	21A	22A	24A	28A	28A	22A	23A	G	
16		G	21A	C	22	26A	22A	28A	29A	28A	20A	
17		22A	20	28	C	24A	27A	27A	29	29A	G	
18		33	20A	C	C	22A	29A	22CA	29A	C	G	
19		33	21	C	C	C	C	22A	27A	22A	G	
20		28	C	26A	C	19A	32A	30A	C	23A	G	
21		33	C	C	C	C	30A	35A	25A	21A	G	
22		32A	C	C	28A	21A	28A	C	23A	26A	G	
23		C	C	25A	C	23A	29A	33A	25A	25A	G	
24		C	26A	24A	23	24A	24A	C	21A	B	G	
25		23	20A	C	C	24A	28A	32A	31AC	C	G	
26		C	26A	C	C	C	C	C	29A	26A	G	
27		25A	21	23	29A	24A	24A	C	C	24A	G	
28		26	24A	25	30A	C	22A	28A	30AC	23A	G	
29		27	C	20C	32A	C	28A	30A	27A	19AC	G	
30			24A	20	26A	C	C	C	27	24A	G	
31			25A		C		29A	28		C		
C		9	19	18	13	18	16	19	18	14	7	
M			23	25	25	24	28A	29A	27	28		

TOMSK

PERIOD NOON UNITS 1.0 DB FREQUENCY 2.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			C	27	C	25	30	C	19A	25A	22A	
02			C	26A	C	27	29	32A	24A	24A	17A	
03			C	23A	C	21	30C	34	20A	C	18	
04			C	C	C	23	C	30	20A	21	21A	
05			C	28C	C	20A	29	29A	C	20	20A	
06			C	26	22A	C	29	31	21A	15A	G	
07			C	27A	23	28	27	24	13A	20A	C	
08			C	28	24	22	27	C	C	17A	C	
09			C	30	C	37	33	27	19A	19A	22A	
10			26	28	18	26	31	25A	21A	C	21A	
11			25	C	20A	26	C	23	19	20A	G	
12			28	32	22A	28	31A	31	C	21A	G	
13			23	26	22A	C	25	27	18A	19A	18A	
14			C	29A	24A	25	27A	33A	22A	17A	C	
15			17	29	26A	25	24A	C	20A	17A	G	
16			19	23	C	25	25	29	14A	C	G	
17			19A	23	19A	23	26A	27	22A	C	14A	
18			25	C	20A	24	C	31	20A	15A	G	
19			C	21A	20A	27	28A	25	C	C	9A	
20			22	21A	25A	C	26	26	19A	19A	16A	
21			C	23A	22A	20	C	29	20A	14A	G	
22			25	22A	19	23	31A	C	23	17A	G	
23			22	23	C	23	25A	25	14A	C	G	
24			26	22	22A	24A	29	32A	15A	C	G	
25			27A	C	23A	22	C	28	26A	17A	G	
26			26	22	C	24	31	24	C	23A	G	
27			22	20	23A	C	30	29A	23A	19A	G	
28			C	25	24A	25	24A	31	22A	19A	G	
29			C	24	22A	29A	27	C	19A	22	G	
30			29	21	C	24	24	26	17A	A	G	
31			26		22A		32	27		C		
C			25	25	22	25	29	29	20	19		
M			16	22	21	25	22	19	17	14	3	

SECTION 3

Other Sequences and Diurnal Variations

Stations Listed Alphabetically

(See IGY/IGC and IQSY Station Lists on pages 18 and 19)

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Measurements at Constant Solar Zenith Angle χ and at Fixed Times Well Away from Noon	
IGY/IGC Data	290
IQSY Data	308
Diurnal Variations	
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IQSY Data	337

BANGUI

PERIOD AVERAGE OF ABSORPTION
AT 0700 AND 1630 LT UNITS 1.0 DB FREQUENCY 2.1 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		46	40	39A	29	34	33	35C	44	47		
02	43	47	35	39S	30C	31C	32	C	C			B
03		39	29	42	C	27B	C	33B	46	44	46	C
04		46	31	38A	37C	35	49C	31	38	41	24	44
05	C	48	B	42	42	29	47	31	42	39B	42S	31B
06	41C	50	36	42	30B	C	36	42A		42	42	
07	48	42	30	B	38	C	38	36	47	35	39	36
08	48	47	33	44B	35B	26C	36	28C	47C	35		42
09	46	52	28	45	38C	24	27	C	B	36	36	44
10	52C	43	35B	43S	38B	41C	40B	33A	C	41	42	32
11	52N		36	42C	B	C	39		43	42		36
12	46	44A	32	40	38	C			36	28	34	42
13	44		37	34	44	C	46			38A	37	
14	46		35		38C	C		39	42	39	39	34
15	46	38	30		38C	48		C	37	39	44	32
16	42	50	35		36C			C	44	37A	40	28
17	44			35	C		44	36C	46	40	38	
18	43			37	C		48C	51C	46	40	37	33
19	42C			35	35	46C	C	51	C	42	30	32
20	C	40	46	40	32	34	C	40		37	36	
21	47A	40	34	31	20C	39C	32	38	39C	38	43	36
22	47A	45	42B	32	32	34A	24	36	44	38	34	25
23	48C	44	39	24	37C	34A	38		49B	36	37	35
24	52B	35	39	34	C	32	34	50	C	40	38	38
25	50B	34	40C	40	36	32	40	40	50	38	43	
26	C	34	38B	29	21	28C	32	30	49B	43	36	
27	51B	40	44S	34A	29A	36C	36	42	43B	32	40	
28	46	32	38	32A	34		35	43	46	38	40	38
29	44		40	33A	41C	22	36	44	50	46		38
30	42		44	30A	36	42	41			46	49	38
31	44		42		C		31	52		44		32
C	25	22	28	27	26	20	24	22	22	30	25	22
M	46	44	36	38	36	34	36	38	46	39	39	36

KUHLUNGSBORN

PERIOD COS CHI = 0.4 * UNITS 1.0 DB FREQUENCY .245 MHZ

	1957									1958									
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		65	70	70	61					46	58	60	64	71	67	63	68		
02		67	66	68	59					41	60	66	69	62	71	70	59		
03		68	67	66	60					40	56	64	69	71	71	71	58		
04		64	65	67	54					39	55	56	67	71	68	72	60		
05		68	70	68	57					47	59	61	71	66	69	72	60		
06		76	65	68	56					62	55	60	70	69	67	72	54		
07			67	69	61					40	54	60	68	63	74	75	51		
08		68	68	70	60					50	59	58	81	73	74	75	48		
09		66	68	72	58					48	55	65	70	59	72	71	57		
10		69	62	70	66					55	55	65	74	62	70	70	53		
11		69	66	68	62					42	57	67	64	71	70	73	58		
12		70	65	75	58					54	60	64	65	65	67	73	59		
13		70	66	69	56					49	56	62	68		74	70	58		
14		70	64	70	66					47	55	64	68	70	70	70	58		
15		70	64	69	58					51	57	66	70	71	72	72	52		
16		65	62	70	66					49	59	61	69	65	75	71	51		
17		69	66	70	53					49	56	65	68	64	75	74	56		
18		67	68	67						52	57	67	58	69	70	67			
19		67	64	70						50	57	64	65	69	68	68			
20		67	58	73						61	53	64	68		65	69			
21		69	63	71						58	52	68	69	71	69	66			
22		67	68	72						53	57	64	68	70	67	71			
23		70	69	65						57	60	65	64	69	70	68			
24		70	60	62						57	62	69	64	72	71	64			
25		69	64	58						58	65	66	71	69	71	63			
26		73	67	63						57	62		69	70	68	54			
27		69	59	67						50	67	66	70	67	69	50			
28		71	63	71						58	65	62	70	73	71	62			
29		73	68	75						61	61	65	66	71	68	64			
30		72	65	64						56	61	67	68	72	69	65			
31		62	74							61		65		73	69				
COUNT		30	31	30	17					31	30	30	30	29	31	30	17		
MEDIAN		69	66	69	59					51	57	65	68	70	70	70	58		

* AVERAGE OF MORNING AND AFTERNOON

KUHLUNGSBORN

PERIOD COS CHI = 0.4 (AV)* UNITS 1.0 DB FREQUENCY .245 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			49	64	65	62	63	70	71	48		
02			54	62	58	60	70	70	68	51		
03			55	62	68	64	66	74	71	51		
04			50	61	60	65	69	69	71	57		
05			46	60	59	64	71	68	68	60		
06			51	58	63	66	77	72	66	55		
07			56	63	62	63	68	73	68	55		
08			51	62	66	63	69	66	69	63		
09			46	59	64	63	72		73	63		
10			52	52	62	69	70	66	67	55		
11			53	66	67	69	67	65	70	48		
12			51	63	66	64		69	64	48		
13			49	60	67	64	67	59	69	54		
14			62	62	60	68	75	63	68	58		
15			49	51	63	68	63	54	69	53		
16			57	61	62	66	70	72	63	44		
17			52	60	68	62	71	65	53	54		
18			58	55	66	67	71	71	60			
19			50	65	62	67	69	67	58			
20			48	61	70	65	73	62	45			
21			45	62	65	71	73	59	62			
22			57	56	59	68	75	52	66			
23			59	55	62	69	79	67	62			
24			61	58	68	72	78	65	64			
25			58	55	66	69	77	77	65			
26			54	73	61	62	74	69	68			
27			51	63	63	63	75	72	61			
28			52	56	60	64	76	68	61			
29			61	58	59	58	75	69	57			
30			53	56	63	69	75	72	63			
31			58		69		74	70				
C			31	30	31	30	30	30	30	17		
M			52	61	63	64	71	68	66	54		

* AVERAGE OF MORNING AND EVENING VALUES

KUHLUNGSBORN

PERIOD COS CHI = 0.4 * UNITS 1.0 DB FREQUENCY 1.178 MHZ

	1957							1958											
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		58	70	71	63					53	58	61	64	57	64	63	68		
02		60	54	68	68					57	61	53	64	60	62	64	68		
03		61	61	65	70					62	57	56	50	59	54	68	64		
04		53	47	63	66					58	60	53	50	58	53	65	61		
05		68	58	68	69					64	67	58	63	55	54	63	61		
06		65	61	68	68					62	68	52	71	56		64	57		
07			60	66	71					60	62	44	61	54		73	57		
08		72	61	72	65					66	61	55	61	54	64	66	55		
09		58	75	74	71					60	57	51	60	63	64	68	61		
10		62	48	70	73					63	61	59	60	58	61	62	64		
11		57	67	65						66	64	59	63	63	58	65			
12		64	52	64						64	60	60	52	62	55	69			
13		55	52	73						61	54	47	57	58	62	70			
14		57	61	75						52	58	51	54	50	61	56			
15		60	67	74						55	56	64	65	64	56	66			
16		59	57	67						64	56	61	49	63	65	68			
17		61	56	70						62	58	52	63	62	67	69			
18		53	72	72						58	65	51	55	52	57	55			
19		52	58	72						64	61	58	51	59	59	60			
20		54	53	70						62	52	56	50	64	54	61			
21		52	58	75						63	61	52	54	53	56	65			
22		59	49	73							53	49	52	54	56	62			
23		63	58	69							59	62	59	60	58	54			
24		55	60	66						68	59	68	58	60	58	56			
25		65	46	66						66	62	52	60	58	64	55			
26		52	52	69						61	56	62	55	54	54	53			
27		63	66	59						59	60	50	63	61	59	63			
28		70	58	71						61	65	48	54	64	58	56			
29		59	59	68						66	59	49	58	65	60	56			
30		51	68	69						61	63	55	62	60	60	66			
31		62	70							68		53		59	63				
COUNT		30	31	30	10					29	30	31	30	31	29	30	10		
MEDIAN		59	58	69	68					62	60	53	58	59	59	64	62		

* AVERAGE OF MORNING AND AFTERNOON

KUHLUNGSBORN

PERIOD COS CHI = 0.2 (AV)* UNITS 1.0 DB FREQUENCY .245 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	44	46	42	34	49	45	60	58	62	25	46	40
02	35	34	38	40	38	42	64	45	62	30	36	40
03	40	34	38	38	35	51	34	62	46	33	36	45
04	50	44	42	43	47	51	45	45	47	34	34	42
05	45	41	34	38	42	41	64	38	59	35	40	40
06	40	46	38	36	54	47	61	58	67	32	39	41
07	36	40	36	39	37	58	69	50	48	35	40	45
08	38	38	34	41	47	48	45	67	56	25	42	43
09	40	42	35	34	62	68	65	33	56	33	30	40
10	31	40	42	32	54	62	41	48	46	30	38	40
11	46	34	34	48	44	62			63	28	39	40
12	44	44	33	46	54	46		60	64	27	30	34
13	48	34	32	46	53	43	50	60	65	36	30	42
14	48	39	32	30	50	45	62	49	52	29	31	54
15	39	42	24	28	50	42	75	54	41	36	25	41
16	44	51	43	45	54	51	62		46	29	27	46
17	38	46	33	35	51	46	69	42	38	32	44	40
18	36	46	40	42	55	53	69	57	50	38	34	35
19	34	40	28	35	47	49	65		28	30	30	34
20	36	38	28	32	41	46	73	51	42	29	44	40
21	36	34	30	40	42	62	78	46	38	38	38	44
22	42	38	41	32	42	46	78	58	43	34	42	48
23	36	28	46	37	41	52	78	52	40	34	43	39
24	34	38	34	56	68	51	77	68	40	29	46	36
25	38	32	50	35	54	51	74	68	47	37	40	38
26	48	37	41	40	45	45	49	67	49	39	42	45
27	38	46	41	33	56	45	69	53	55	36	37	46
28	40	46	41	46	44	58	72	50	47	36	46	43
29	36		40	34	40	39	69	50	44	30	49	35
30	44		49	42	34	54	65	46	33	34	36	42
31	52		43		41		66	52		40		31
C	31	28	31	30	31	30	29	28	30	31	30	31
M	40	40	38	39	47	48	65	52	48	33	39	40

* MAY-AUGUST EVENING VALUES ONLY
OTHERWISE, AVERAGE OF MORNING AND EVENING VALUES

PENN STATE U

PERIOD COS CHI = 0.4 (AM) UNITS 1.0 DB FREQUENCY 2.155 MHZ

	1957											1958						
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		C				29		59	25		C				17		18		C
02			14	29	29			29			C	C	C	24		C			
03		51						C	11	26	C			C		14	W	26	40UC
04				39S	27	C	57F	C	17	20	C		16		C	C		29	
05		38	16UF	C					46C		C	C		C	C	C		20	43UC
06				40F		17	61UA	C	69UDB	17C			C		14	C	11		
07			15		C		C	61B	40UA	C	C	16		C	C			32C	
08		26			33	26		53F	C	C	C				C	38	14		40UC
09			16	C	33		C	53			C	C	C	39UDB					
10		24			33			42	C	C	C	C				26	14	C	
11				62	31	C	66UF	C	51F	C	24		26	12	22			C	C
12		20	22			C			42A			14			C	16		C	26
13				F		26		39	C	23			25S		17		13C		C
14			22		C	C		C	23			26		11	C			20	
15		17				29		C	C	24				C	12	21	14	C	21
16			20		28		C	C			C	C	15	14		C			
17		18						56	C			28	C	C		C	16	19	C
18				31	22		C	39	C	22	C		C	C	C		C	27	
19		17	21F	C			C		C	C	C	35				28		19	20
20			C	33		19	C	53S	C	C	C	32	C		10		C		
21			14		26	C	C	28	C	C	C	22		C			C	C	
22		19			30UC	C	C	42F	C					C	C	15	14		C
23			12N		30		C	38F		C	24	30	20	37	C		C		
24		14			C		53UA	35	19A	C			C			17	20		C
25				30	27	C	32	C	20	C	C		23	C	C		C		
26		17	20	C	C	C	30		29	C	C	20		C		24		C	22
27				23		31	28	30		C			42		29		22		
28			24				35	22	38	C	18	18		C				C	
29		10				42F		33		C				C	C	C	22		C
30			21		23		C	56			26	18	C	17		C			C
31		19					35	62		C							29		26
COUNT		13	13	8	13	8	9	19	13	6	4	11	7	7	7	9	12	8	8
MEDIAN		19	20	32	29	28	35	42	29	22	25	22	23	17	17	21	15	23	26

PENN STATE U

PERIOD COS CHI = 0.4 (PM) UNITS 1.0 DB FREQUENCY 2.155 MHZ

			1957										1958						
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01			33		49			59	34	27		C		26				C	C
02		75	24			31	C	29				C	34		36	22	16		34UC
03			26N	43S	49		74D	C	C	C	C	C	42	38			C		41UC
04				C		19	56F	C	22						30	C	23	C	44UC
05		48	24	58		25	50		C	C	C		34	C	17	C			36UC
06		52	21				66A	C	42	C		22				C		22	40UC
07				42	C	35	C	61DB	32	C	33		C	C			18		
08			23		42			53F	C	C	30	C		44UDB		C		C	30UC
09		34			52	19	C	53				C	C		13	48	13		32UC
10			35	N	37		42	42	C	C		27	46S	S			C		C
11		29					C	C	C	C			C		C	C	11	26	C
12		40	20N	45	42	48	74		61D	55D	28	C	29	24				C	26
13		37	23				C	39	47N			28			C			20	C
14				40	46		82D	C	C	53D	34	C	33	C	S		15		
15			30		28			C	C		49	30		12	S	C	C	C	24
16		34				34	C	C			26	45	C	26	20	21	18		19
17			25	48	33		W	56	C	48D									C
18		31					C	39	C				28		16C	C	30	20	19C
19		27	25	46	38	26UC	C		C	C	36	36	35	20A	28				26
20		28	20				C	53S	C	C	C	35			C			24	14
21				48	33	C	C	28	C	C			36	12	C		22	C	
22		24	18N		33		C	42F	C	48	22	C		21	C	16		30	30
23		38			42	33	47	38F					C	C	C	26	C		27
24			23	40N	50		51	35	41		C	34		18					25
25		30				C	61D	C		31	C		C			23	C	33	
26		30	C	59D	37	46	49F		38		24	36	42S	14	24	C			C
27			24				35	30	48	39		38			C	22	24		C
28				34		48UA	49UA	22		C			C	S	28		36		
29			54		C			33		35	34	34		30		C		16	30
30		28				59F	53F	56					31	C	24	18	38		28
31			41		43		59D	62				38		28					21
COUNT		16	18	11	16	12	15	19	9	8	10	12	11	13	10	8	12	8	19
MEDIAN		32	25	43	42	34	53	42	41	44	32	35	34	24	24	22	20	23	28

PENN STATE U

PERIOD COS CHI = 0.4 (AM) UNITS 1.0 DB FREQUENCY 2.6 MHZ

	1957							1958											
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		C	24		27					30	C	24		22				14	C
02		23				21F	55UC				C	C	C		17	C	16		42UC
03			21	N	32		69D	C			C	14C	16	C					
04						C		C			C				C	C	W		40UC
05				C	24	26	21			59D	C	C	18	C	C	C			
06		21	20F					C				14S	C			C		16	45UC
07				51	C	22	C			C	C		20	C	C		15		
08			27N						C	C	C	16		10F	C			W	
09		26		C		31	C				C	C	C		18	22	13		34UC
10			21	34F			27UDB		C	C	C	C	24	18				C	37UC
11		20				C		C		C						16	11	C	C
12				N	24	C	25			30	22		22	27C	C			C	
13		23	15				47		C			16				10		19	C
14				51	C	C	61	C		36	10		24		C		14		
15			24F		14			C	C		22	20		C				C	
16		18		N		19	C	C			C	C			23	C	14		22
17			16	45	71		W		C	30F	18		C	C		C			C
18		22				17	C		C		C		C	C	C	16	C		16
19				C	29	44	C		C	C	C		20	18	16				
20		21	C				C		C	C	C		C			21	C	17	22
21				N		C	C		C	C	C		17	C	20		C	C	
22			18			C	C		C	57DB	29	24		C	C			28	C
23		31		68US		22	C			C					C	18	C		26
24			18	40UF	C					C	30	18	C	17C				16	C
25		23				C		C		C	C			C	C	27	C	22	
26					C	C				C	C		18	C	12			C	
27		18	22						24	C		12				32			25
28				29	21C	66UF				C			17	C	21		14	C	
29			18		33					C	24	18		C	C	C		24	C
30		N		22		65F	C						C		23	C	12		C
31			29		17					C		16		46			29		
COUNT		11	14	8	10	10	7		1	6	7	11	10	7	8	8	8	8	10
MEDIAN		22	21	42	24	24	47		24	33	22	16	19	18	19	20	14	18	30

PENN STATE U

PERIOD COS CHI = 0.4 (PM) UNITS 1.0 DB FREQUENCY 2.6 MHZ

	1957							1958											
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		38				30					28	C			29		31	C	C
02				58D	27		C				32	C		22F					
03		56						C	C	C	C	C				36	C	18	
04				C	62			C		53UA	40		49			C		C	
05					60				C	C	C	40		C		C		22	
06				30N		24		C		C			24		22		C	18	
07			31		C		C			C		20	C	C	26S			23	
08		33				32			C	C		C			16		C	16	C
09			26	48			C				30	C	C	29					
10		34							C	C	38			S		20	C	15	C
11				58UF	30	42	C	C	C	C	24		C	19C	C	C			C
12												C			24S	18		C	
13				55N		29	C			35			23UC		C	16	17		C
14			18			33		C	C			C		C	S			20	
15		70D				32		C	C	51					S	C	C	C	
16			26	41	33		C	C					C						
17		40							C		34	36	25	26F		34	16	16	C
18				54	32	27	C		C	57DB	44			34		C			
19							C		C	C						26		20	
20				65		30	C		C	C	C		26		C	W	34UC		
21			18			C	C		C	C	32	28			C			C	
22						27	C		C			C			C		14		
23			26	41							38	41	C	C	C		C		
24		41								70D	C		30S			36	31	17	
25				38N	35	C		C	38		C		C	30	18		C		
26			C							57B						C		20	C
27		42		40		36							33		C				C
28			29		46				45	C	35	21	C	S					
29		25			C	59UA									48	C	13		
30			49	N	28						26	26		C					
31		34								61D							24		
COUNT		10	8	11	9	12			2	7	12	7	7	6	7	7	10	10	
MEDIAN		39	26	48	33	32			42	57	33	28	26	28	24	26	18	19	

TOKYO

PERIOD COS CHI AM UNITS 1.0 DB FREQUENCY 2.4 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
				1957									1958					
01							42	44	C	46US	23		26US	27	27	27	20	31
02						39	44			37	23	23	28	18	C	21		32
03						C	55	C	35	S	C	21	27		31	23		26
04						49S	44	C	32	29US		25	27	27	28	24	29US	31
05						S	B	C	S	25	45S	S	28	38	27		27	C
06						40	B	C	34US		34	27		19	26	23	25	C
07						44	B	C	48US	27	24	32US	25	23		28	32S	
08							B	C	37	S	16		27	22	38US	22	37US	C
09						S	40			28	21	S	27	15S	29	C		31
10						51	35	C	S	S	22	36	26		30	23	29US	33
11				S	42	51	44	33	29	40S		21	25	20	C	30S	32	45US
12				C	C	S		42	25	38	31	30	35	19	C	22	26S	42US
13					36	42	51	31	33		12	24		24US	42S	31	27US	37US
14				44S	C	B	36	34	31	S	18	21	24	16	S	31S	C	
15				29	46		46	23S	30	34US	18		C	39US	39	20	23	S
16				35	S	49	44			21	20	22	26	23US	34	33		47
17				35		54	40	C	27	20	21	17	31		27	29US	23S	36
18				48S	49	36	54	C	S	26US	21	33US	29	35	C	32	23	47S
19				C	35	39		C	21	29	S	S	C	24	25		27	38
20					B	52	C	23	S	37	33	24S		B	27	25	26	49
21				56	57	43	47	29	25	S	21	28	28	25		23	27	
22					48	53	46UB	24	23	21	C		23	27	21	S	23	45
23					C	46	23			23	18	25US	C	15	S	25		39
24						43	26	B	29	19	13	32	C		32	31	26	39S
25					S	B	35	44	30US	30US		29US	C	40	37	30	26	47S
26					C	46		46	43S	30US	19	28	24	28	36		28US	26
27					C	45	30	38	24		22	20	C	36S	C	32S	27	41
28					36	43S	35	51	36US	28	19	31	42	29		26	29	
29					43	50	36		S	24	21		33	S	26	26	26	S
30					23	C	35			26	23	27	27	29	41	21		32
31						52US	36		34S		20		63			22		35
COUNT				6	11	22	26	14	16	16	25	18	21	22	19	25	18	19
MEDIAN				40	42	45	43	36	30	26	21	24	27	26	29	25	26	36

TOKYO

PERIOD COS CHI PM UNITS 1.0 DB FREQUENCY 2.4 MHZ

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
				1957									1958					
01							41	29	43	33US	23		25	27	22	23	29	36
02						39	36			41	24	34	33	24	S	28		35S
03						C	41	C	39US	32	20	28	37		32	23	32	20
04						43	37	C	38US	34		14	32	28	28	23	C	30S
05						43	B	C	C	27	S	34	24	30	39US		32S	C
06						51	C	C	40		43US	38US		37	39	28	27	C
07						53	S	C	33S	31S	22	S	27	27		25	23	
08						63	B	C	30	27US	26		40S	15	32US	31	17	C
09					44	46	44			26S	20	28US	29	26	18	23US		30
10						52	49	36	S	33US	22	37S	25		24	33US	27	36US
11				40	C	43	51	36	32	26		27	24	24	C	32		44US
12				41	45	60		29	34	18	25	38	26	C	C		35S	45US
13					43	B	40	42	28		23	28		22	41	C	26US	39US
14				39	42	B	38	20	31	S	19	53S	28	21	40	37	C	
15				43	59	58	47	26	23	S	21	26	30	34	33	33	C	44
16				45	S	53	58			28US	17	27	28	S	35	27US		46
17				C		46	39	C	19	31US	19	36	34		31	29	24	39US
18				44	60S	43	38	C	28	S	S	28	35	36	C	43US	27US	30
19				47US	47	45		24	42	S	30US	21S	C	35S	27			39
20					46	55	33	25	40US	32US	18	37S		20	38S	23	28	45
21				29	S	49	37	23	34	C	27	32	35	24		32	23	
22					46	44	46	40	15	S	30		C	35	23	29	26	48
23					C	44	28			26	22	34	C	26	S	20		42
24						55	41	31	39	44	20	33	C		31	32	23	41
25					33	50	35	C	50US	36S		32	C	37US	21	C	23	30
26					C	57		B	13	S	22	32S	30	C	35		25	30
27					C	53	39	40	31		28US	28US	52	C	31	C	32US	41
28					40	43	38	39	S	33	23	28	31	37		17	23	
29					41	B	35		18	C	21		32	26	28	26	14	S
30					34	C	40			25	22	28	44	15	C	S		44US
31						48	C		S		29		34			10US		37
COUNT				7	13	28	25	15	18	13	23	22	23	21	19	18	18	17
MEDIAN				41	44	47	40	29	31	31	22	32	31	26	31	28	26	37

TOKYO

PERIOD COS CHI = 0.5 (AM) UNITS 1.0 DB FREQUENCY 2.4 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	S											
02	35US	16										
03	C	37US										
04		27										
05	44	31										
06	B	35US										
07	B	34										
08	B											
09	48US	S										
10	39S	34										
11		34										
12	S	35										
13	B	42US										
14	B	30										
15	55											
16	C	22										
17	35	22										
18		29										
19	48	32										
20	41	38										
21	40	32										
22	C											
23	40	32S										
24	44S	27										
25		32										
26	55S	39US										
27	35	22										
28	C	24										
29	47US											
30	B											
31	S											
C	17	19										
M	48	31										

TOKYO

PERIOD COS CHI = 0.5 (AM) UNITS 1.0 DB FREQUENCY *

	1957							1958											
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01					30			37	32	C	36US	28		23US	25	34	30	16	29
02					DB		34	35			28	24	17	18	19	C	23		33
03					C		C	37	C	22	25	C	28	16		28	22		26
04					28		39	31	C	19	27		20	28	33	29R	24	32US	30
05					29		C	42	C	31US	25	24	S	28	31R	27R		26	C
06							34	42UDB	C	25		26	21		19R	22	25	17	C
07					C		33	44UDB	C	31	20	13	S	29	32UC		27US	27US	
08					25			35UDB	C	25	33	S		S	21R	S	22	21	C
09					31		36	28			23	16	S	22	18UC	33R	C		19
10					29		41	35	C	21	S	17	24	23		39	29	25US	27
11						38	32	42	32	15	35S		14	21	20R	C	28	28	33
12						C	S		42	15	30	23	25	29	S	C	27	15US	42
13						36	38	52	29	28		13	16		27R	S	27	9	35US
14						C	DB	25	27	26	S	20	16	23	13R	S	29	C	
15						43		33	40	18	22US	11		17	36R	32	28	11S	S
16						56US	30	32			21	12	15	22	31USR	29	31		37
17							30	34	C	20	18	13US	18	37		26URS	S	16	29
18						40	37	39	C	S	18S	21	24US	25	28R	C	34	16	42US
19						41	33	C	23	20	29S	S	18	C	27R	28R		11	28S
20						36	36	40	24	S	27	27	22		49US	30R	33	12	41
21						32	39	38	20	32	23	16	27	23	24R		28US	18	
22					16	37	39	21UC	29	21	20	C		23	24R	21R	S	16	34
23					27	C	40	21UC			13	18	23US	C	28R	S	31US		32
24					37		36	31	32	24	19	13	22	C		25R	36US	15	27
25					17	36	DB		23	42US	23S		26US	C	32	40URS	27	12	41US
26					35	C	35		S	26	18S	19	22	21	33R	35		19S	26
27						C	36	24	41	41		18	24	51US	28	C	28S	21	34
28					33	27	36	30	37	32	17	29US	21	27	24R		23	22US	
29					32	46	34	38		21	13	14		30	32R	25R	26	19	S
30					30	29	C	32			23	36US	19	20	23R	31R	22		34
31					25		43	33		S		22		52			16		35US
COUNT					16	12	24		14	20	23	21	19	21	25	18	21	18	18
MEDIAN					30	36	36		30	23	23	18	21	23	27R	29R	27	16	31

* SAMPLING FREQUENCY 2.8 MHZ OCTOBER 1957, FEBRUARY - APRIL AND NOVEMBER - DECEMBER 1958
3.0 MHZ NOVEMBER - DECEMBER 1957, JANUARY AND MAY - OCTOBER 1958

TOKYO

PERIOD COS CHI = 0.5 (PM) UNITS 1.0 DB FREQUENCY *

	1957							1958											
DAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01					29			32	29	26	37US	21		22	22	22	28	18	40
02					35		25	32			26	28	22	30	24	S	31		32
03					S		C	41	C	26	30	22	27	27		21S	26	21	28
04					28		36	28	C	28	26		23	23	29	25	26	C	19S
05					21		37	42S	C	C	26	36US	24	27	26	25S		23	C
06					C		35	C	C	28		27	28		25	33	27	37	C
07					C		41	56UB	C	30S	32	17	34US	S	29		22	25	
08					26		40	34	C	22	30US	14		33	16	25US	32	18	C
09					27	43S	37	32			31	15	S	29	27	20S	22		19
10					29		S	37	39	29	30	23	19	24		28	29S	25	28
11						C	42	42	32	28	26		21	24	20	C	28	30	43US
12						43S	53		26	27	17	14	27	22	C	C		21	42US
13						43S	OB	40	31	17		16	21		20	29	C	11	32S
14						39	47	34	28	23	S	20	11S	26	23	C	32	C	
15						57S	37	41	23	26	S	15	26	26	34	26	28	C	35
16						68US	39	39			25	12	23	28	52US	23	27US		41S
17							27	41	C	17	29	26US	27	28		23	S	19	32US
18						46S	43	27	C	22	S	S	21	29	27	C	32	22US	38US
19						45S	33		21	27	26US	22S	18US	C	32	29		C	37
20						S	35	69US	25	36US	18	12	33		21	30	18	21	34
21						37S	39	30	19	38	C	S	28	16	25		33	13	
22					43	42	39	45	28	20	S	S		C	29	24	24	12	37
23					28	C	39	31			17	10	32S	C	24	S	29		38
24					36		36	32	29	32	19	32US	27	C		30	27	15	28
25					35	33	32	31	C	S	29US		27	C	33	28	C	20	39US
26					42	C	47		27	30	S	19	22US	22	34	25		17	31
27						C	40	29	21	31		S	18US	34	C	30	C	21S	43US
28					31	30	28	33	21	28US	30	33US	28	23	28		20	20	
29					24	39	40	30		31	C	S		18	20	27	18	12	S
30					23	30	S	33			21	18	26	33	21	C	23		39S
31					30		23	C		34		31		31			13US		29
COUNT					16	13	27		15	22	16	19	21	22	23	19	21	20	17
MEDIAN					29	42S	39		27	28	26	18	26	26	25	26	27	20	32

* SAMPLING FREQUENCY 2.8 MHZ OCTOBER 1957, FEBRUARY - APRIL AND NOVEMBER - DECEMBER 1958
3.0 MHZ NOVEMBER - DECEMBER 1957, JANUARY AND MAY - OCTOBER 1958

TOKYO

PERIOD COS CHI = 0.5 (AM) UNITS 1.0 DB FREQUENCY 2.8 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	30											
02	S	27										
03	C	35										
04		24										
05	35	29S										
06	B	32US										
07	53US	31										
08	43											
09	42S	38										
10	32	35										
11		34										
12	39US	29										
13	B	38										
14	B	28										
15	52											
16	C	25										
17	21	22										
18		23										
19	37	32										
20	35	31US										
21	31	32										
22	C											
23	33	29US										
24	42US	29US										
25		27										
26	38	35US										
27	27	28US										
28	C	17										
29	43S											
30	B											
31	41US											
C	18	18										
M	38	28										

TOKYO

PERIOD COS CHI = 0.5 (AM) UNITS 1.0 DB FREQUENCY *

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	32**	30	C	18	12A		20US		15	15	11	12
02	31**			26	13	16US	11A		C	16		20US
03	40S**	C	26	11	C	10	24		19	19		8A
04	34**	C	28	17S		12A	C		14	17	22	21US
05	28**	C	S	13	25UA	25A	12	20	13		22US	C
06	27**	C	C		18A	10		13	10	19	8	C
07	31**	C	30	11S	16A	18US	8	29		35US	13US	
08	17**	C	31US	18	6		28A	12	S	16	19US	C
09	21**			14	12	S	17A	21US	20	C		23S
10	28**	C	26	S	14A	10	23A		27	17	S	15
11	30	26	24	19US		15A	17	22	C	17	8	9
12		32A	18	22	31A	16	20	14	C	16	12	19
13	29	22	S		8A	17A		25	S	29	9	19
14	29	33	13	S	12	19	12	22UA	S	20US	C	
15	28A	35	24	29	C		10A	28	19	13	10	23
16	29			6	6	8	17	19	22	16UA		26A
17	32	S	13	12	5	15	28		20US	S	13S	24
18	42	20	22	65	16AS	21US	11A	23	C	26A	12	24
19		35	9	12	S	33US	C	24UA	12		16	24S
20	C	S	S	13	14S	18US		44US	15A	7	13	21
21	29S	C	17	7	4	23A	30	26		16	12	
22	DB	23	18	7	C		12A	24A	10A	S	12	23
23	25			6	7	12US	C	14	S	19A		19
24	29	C	20	6	7	21	C		13	26	10	19
25	27	23	33	12US		24	C	22UA	21	16	5A	13US
26		35	16	S	10	10	8	26S	C		12	19
27	29	S	20		15	11	41US	29	C	15	10	21
28	25	24	17	7	13A	18	21	17		20A	15US	
29	31		23	S	14A		15	16	9	17A	16UA	25S
30	S			13	10	14	12	17	17UA	12A		23
31	S		29		9		28			16A		25S
C	25	12	21	23	24	24	23	23	17	25	22	24
M	29	28	22	12	12	16	17	22	15	17	12	21

* SAMPLING FREQUENCY 4.2 MHZ JANUARY - FEBRUARY
4.8 MHZ MARCH - JULY
4.5 MHZ AUGUST - DECEMBER

** SAMPLING FREQUENCY 4.7 MHZ

TOKYO

PERIOD COS CHI = 0.5 (PM) UNITS 1.0 DB FREQUENCY *

1958

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	21**	24A	28A	16	10A		18		14	16	10	15
02	29A**			16	13	17	18		S	16A		S
03	43**	C	22A	12	10	11A	26A		16	16	18A	18US
04	35**	C	S	14		13S	18A	23	10	11	C	19US
05	34**	C	C	2	27A	15A	18	20UA	24UA		12US	C
06	C	C	10		19	17		21	28	13	12	C
07	41S**	C	18S	S	7A	23US	29A	23		15	12	
08	21**	C	19	15US	8		27	16A	15US	25	16US	C
09	28**			12S	16A	26US	21	23UA	12S	16		14
10	23**	25A	12	16US	12	24	15		20	16	20US	12
11	29	26	10	S		10	22A	17S	C	14A	12	18
12		24	7	9	8A	21	17A	C	C		14S	19
13	31	33	19		13	11		20A	18S	C	17US	19
14	30	17	10	S	9	C	14	19	26	19	C	
15	33	14	6	9	14	22	16	19S	15	19	C	19
16	32			11	7	15	18A	47S	17	24US		27
17	30	32A	17	15S	15	20	18		18A	18	10	23
18	29	21	8	S	S	19	15	26A	C	16S	12	24
19		C	14	S	18	19US	C	24S	15		C	23
20	15	18	18	16	5	21S		30	13	13	13	23
21	40US	13	18	C	28US	22A	6	21US		19A	19	
22	48US	16	21A	S	13		C	24	14A	16A	17US	23
23	29			14	13	22A	C	15	S	20		25
24	44US	12	18	7	16S	18	C		22	18A	13	24
25	26A	C	27	S		16	C	21UA	8	C	12	21
26		31	17	S	11	19US	15A	29	17A		7	29
27	S	26	24A		17US	14US	25A	C	17	C	13	26US
28	23	24	18	11	12	11AS	19A	32		10	12	
29	21		11	C	13UA		18A	18	S	24UA	13US	25
30	31			12A	14	21	21	13	C	16A		24US
31	C		23		15		26A			12US		29UA
C	25	16	24	18	27	25	23	22	20	24	21	23
M	30	24	18	12	13	19	18	21	16	16	13	23

* SAMPLING FREQUENCY 4.2 MHZ JANUARY - FEBRUARY
4.8 MHZ MARCH - JULY
4.5 MHZ AUGUST - DECEMBER

** SAMPLING FREQUENCY 4.7 MHZ

TOKYO

PERIOD COS CHI = 0.5 (AM) UNITS 1.0 DB FREQUENCY 4.5 MHZ

1959

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	19											
02	26US	19										
03	C	21										
04		18										
05	18	20										
06	34	20										
07	30	22										
08	23											
09	13	23										
10	13	20										
11		18										
12	13	18										
13	32	31										
14	35S	17S										
15	20											
16	C	17										
17	19US	15										
18		18S										
19	37	20										
20	24	24US										
21	21	19S										
22	C											
23	17	17S										
24	34	21										
25		19S										
26	22	32US										
27	16	15S										
28	C	10S										
29	21											
30	22S											
31	21S											
C	20	22										
M	21	19										

DIXON IS

PERIOD 1421 UNITS 1.0 DB FREQUENCY 1.98 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	36	C	C	C	36F	C	C	C	54		14
02	C	22	C	C	C	39	C	C	C	C		6
03	C	11UF	C	C	C	38	C	C	B	32R		5
04	47DB	13	C	C	C	23F	C	C	53	B		9
05	8	11	C	C	C	C	18	C	53F	B		C
06	14F	B	B	B	30F	33	53	C	50F	C		C
07	3	C	B	S	28	16	C	C	C	B		C
08	15AF	C	C	33	24F	24	B	C	C	44DB		C
09	C	31R	C	38	27F	28	B	B	B	46DB		8
10	C	C	29R	27	25F	30	55DB	C	B	31		5
11	C	C	B	43	23F	44	C	B	B	R		4
12	12	C	47DB	44	42	B	36	C	B	C		4
13	7A	C	28	31	22	B	C	B	43	C		C
14	C	C	54US	24	49F	33	29	C	18	N		C
15	C	C	B	C	B	34	19	C	20	39DB		29DB
16	10F	C	C	B	53	24	35	C	28	B		25
17	C	28	34	40	C	28	C	C	24	B		B
18	C	35	26USR	26	C	22	C	28USF	36	22R		C
19	25	19UR	S	B	C	26	B	N	C	C		C
20	4	R	26	46DB	C	31	53DB	C	C	C		12F
21	S	C	B	50US	C	29F	C	C	33	B		8
22	2	C	27	31	C	C	C	C	B	26UR		C
23	10	R	41DB	42	C	46US	C	C	36	20R		C
24	C	30URF	B	21	33	C	C	C	B	C		-1F
25	C	R	B	S	34	C	C	C	C	C		C
26	C	B	B	B	56DB	49	C	B	C	C		C
27	C	C	32	3	C	30	C	B	29R	C		C
28	B	B	31	B	C	31	C	24	46UR	C		5
29	C	B	S	C	C	30	16	C	B	C		2
30	24DB		B	C	C	20	B	C	51	C		6
31	26		C		C		C	C		C		C
C	15	12	17	20	14	26	13	7	21	12		17
M	12	33	B	41	32	30	53	B	51	B		6

DIXON IS

PERIOD 1421 UNITS 1.0 DB FREQUENCY 1.98 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	22	C	C	C	C	C	C	B	C	C	4A
02	C	20	C	58	C	C	C	C	C	C	C	19
03	19	8	C	N	C	30	C	C	27	N	23A	C
04	14	C	B	C	C	30	C	40UC	C	26R	15RA	11
05	14	C	40	C	33	B	36	28	32	29R	7A	35
06	C	42	39	32	40	B	B	26	B	R	49DB	-1
07	C	C	B	54	38	30	41	29	38	38R	C	17
08	6	47	C	25	40	25	B	48	C	23UR	C	12A
09	B	C	22R	C	C	27	B	30	36	33R	20	2
10	14S	B	R	C	C	C	C	32	48	48UR	C	1
11	C	34	29	C	51	C	C	C	29	25UR	14	39DB
12	22	18	30FR	37	N	32	38	C	42	C	11	26DBA
13	C	17F	20UR	51	52DB	38	25	C	46	R	C	C
14	C	C	28R	C	48	40	18	C	55	B	C	1
15	14	C	C	B	C	38	34	30	57DB	C	11	6
16	C	29UR	36R	N	40	48DB	28	B	50	C	C	8UR
17	C	30R	36R	36	49DB	29	28	55	B	R	12A	1F
18	C	33R	31R	C	38	C	26	52	B	R	51	-2
19	8	C	C	C	27	47	38	41	C	R	2	7
20	6	28R	C	45	47	C	37	36	C	R	B	11F
21	17	B	46	39	C	C	B	B	C	R	B	1
22	B	R	32	37	38	46	39	C	C	3UR	25UAF	8S
23	C	B	C	C	32	35	60DB	C	38	B	22F	2F
24	18	C	C	C	N	33	43	C	52DB	B	2	24
25	16	C	C	24	C	26	25	B	B	B	1	B
26	14	C	C	33	30	23	53	B	B	C	1	4
27	42DB	R	C	35	46	B	27	27	B	45	4	B
28	26A	C	C	26	36	54	60	55	C	31	3	34DB
29	C		C	25	28	C	B	58	C	21R	5	12
30	C		C	48	31	C	C	37	46	C	1	B
31	C		C		33		C	B		30		23
C	17	14	13	17	20	21	23	21	21	13	22	28
M	16	32	36	37	38	35	38	41	50	38	12	11

CIXON IS

PERIOD 1325 UNITS 1.0 DB FREQUENCY 1.98 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	16	C	B	C	C	C	C	50	C	C	-1
02	C	20	C	B	C	C	C	C	C	C	C	B
03	22US	10	C	46DB	C	25	B	B	32	38	24A	13
04	15	C	B	C	C	31	28	42UC	40DB	34R	17A	2
05	16	C	46	C	B	B	35	29	52	39R	11	7
06	C	C	B	35	49	B	B	29	B	16UR	B	2S
07	C	C	B	50	B	38	54	24	31	28R	C	4
08	12	B	C	31	37	24	B	25	C	17UR	C	-1
09	B	C	R	C	C	28	B	29	30	34R	20	2
10	20S	30	R	C	C	C	C	C	32	46UR	C	2
11	C	16	29R	C	50	C	C	C	26	25UR	12	B
12	6	29	27R	38	B	31	39	C	37	C	16	B
13	C	16	30UR	43	46	34	22	C	51	39UR	C	C
14	C	C	35UR	C	39	48	24	C	52	B	C	4
15	24	C	C	C	C	43	17	28	48	C	11	1
16	C	R	32R	N	37	35	38	43	N	C	C	4
17	C	33UR	47DB	38	52	B	19	40	B	R	7	1F
18	C	R	17R	C	40	C	26	51	B	R	43	-2
19	N	C	C	C	23	37	23	B	C	R	7	12
20	7	29R	C	B	43	C	34	48	C	R	B	11
21	21	B	36	B	C	C	62	B	C	R	B	1
22	B	R	31	44	32	44	34	C	C	R	27	1S
23	C	B	C	C	38	26	B	C	47	N	16	N
24	21	C	C	C	33	30	59	C	44DB	B	0	4F
25	16	C	C	25	C	28	25	B	B	B	1	B
26	15F	C	C	32	31US	38	44	B	B	C	1	13
27	37DB	34UR	C	26F	34	B	26	38	B	R	11	36DB
28	22UA	C	C	26	28	49DB	N	39	C	B	5	B
29	C		C	20	31	C	B	39	32	32	4	3
30	C		C	37	31	C	C	31	B	C	1UC	B
31	C		C		36		C	B		25		6
C	16	13	12	18	22	21	24	21	20	13	22	29
M	20	29	36	38	38	37	36	40	50	39	12	4

DIXON IS

PERIOD 1340 UNITS 1.0 DB FREQUENCY 3.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	47DB	C	C	C	21UR	C	C	C	36		C
02	C	10	C	C	C	R	C	C	C	23		C
03	C	13	C	C	C	35UR	C	C	30	18UR		C
04	B	26	C	C	C	R	C	C	58	46DB		C
05	R	24	C	C	C	C	32	C	B	27DB		C
06	19XF	B	S	30	15F	29URA	R	C	59	C		C
07	24X	C	32	29	20	34AR	C	C	C	B		C
08	R	C	C	24	19F	16R	39	C	C	C		C
09	C	31DB	C	44DB	13R	20UR	B	B	B	B		S
10	C	C	15	24	11R	R	53	C	B	29		8UFX
11	C	C	26	14	18URF	N	C	11UR	N	23		G
12	R	C	B	30UR	15F	R	R	C	B	C		G
13	R	C	16	22UR	20RF	B	C	36DB	24	C		C
14	C	C	21	26	13UF	R	35	C	5	B		C
15	C	C	22R	C	B	22UR	22UA	C	48	36		G
16	0	C	C	54	B	R	C	C	54	36		G
17	C	16	22	12	C	C	C	C	28	56DB		B
18	C	21	23	R	C	30UA	C	17	29R	18		C
19	10	20	S	46DB	C	28R	44DB	16	C	C		C
20	10F	11	R	C	C	R	29UR	C	C	41DB		G
21	8US	C	B	26URS	C	24R	22URS	C	6A	29		N
22	9	C	9R	22	C	C	C	C	33F	31		C
23	5F	15	B	C	C	R	C	C	16R	21		C
24	C	24	B	11F	44	C	C	C	24	C		C
25	C	11	B	28UR	38	C	C	C	C	C		C
26	C	B	B	43DB	23R	32R	C	42	C	C		C
27	C	C	13	13URF	C	R	C	B	15	25DB		23RFX
28	11US	B	13	B	C	R	C	24	56	17		C
29	C	38DB	S	C	C	R	13UR	C	52DB	C		F
30	R		B	C	C	19R	31	C	B	C		F
31	11		C		C		C	C		C		C
C	9	17	18	17	13	10	8	7	21	17		1
M	10	24	24	28	20	30	37	36DB	48	36		B

DIXON IS

PERIOD 1340 UNITS 1.0 DB FREQUENCY 3.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	13	C	C	C	C	C	C	49	C	C	G
02	C	10	C	34	C	C	C	C	C	C	C	G
03	R	3	C	N	C	15	B	C	27	N	26	11UR
04	G	C	B	C	C	28	C	C	C	16F	9	R
05	R	C	13	C	B	B	25R	23	22	7	14	R
06	C	29UC	20	20	22	25	B	20US	38DB	19	34	RX
07	C	B	B	24	29	23R	47R	15	27	24	C	R
08	N	40DB	C	18	28	14R	B	18	C	5	C	G
09	B	C	8	C	C	29R	B	15	22	16	13	G
10	6F	26	11	C	C	C	C	36UC	30	35	C	R
11	C	12	21	C	28	C	C	C	24	12	6	B
12	4UF	8	4	16	36	29R	R	C	12	C	12	R
13	C	22	7	25	26R	R	26UA	C	36	20	C	C
14	C	C	21	C	R	30R	21UA	C	39	B	C	R
15	R	C	C	C	C	23R	13R	18	31	C	7	G
16	C	13	12	39DB	27UR	53DB	20R	18	B	C	C	G
17	C	22	38	17	43DB	50DB	17R	14	B	13	14S	G
18	C	29	12	C	27UR	C	29R	C	B	R	37	1X
19	3	C	C	C	24R	16R	32	B	C	C	2	G
20	8	19S	C	N	26R	C	28R	22	C	8	26DB	G
21	4	B	11	23	C	C	37R	B	C	5	B	G
22	B	38	18	20	32	21R	29	C	C	5	N	RX
23	C	22	C	C	R	18R	48	C	17	20	16	G
24	10	C	C	C	15R	22R	30UR	C	32R	B	4	G
25	11	C	C	20	C	22UR	30A	B	B	B	0X	B
26	13F	C	C	14	45A	26R	31	51	42	C	4SX	N
27	28	14	C	5	26UR	46DB	20	36F	30	23	7	B
28	12A	C	C	16R	16UR	33	N	35	C	38DB	5	B
29	C		C	24R	18UR	C	B	38	20UR	18	4USX	G
30	C		C	32R	18UR	C	C	27	33	C	R	B
31	C		C		27R		C	B		19		G
C	12	18	15	16	16	19	22	19	21	21	17	5
M	10	22	13	20	28	26	30	27	32	19	13	B

DIXON IS

PERIOD 1436 UNITS 1.0 DB FREQUENCY 3.2 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	19	C	C	C	R	C	C	C	35		C
02	C	S	C	C	C	R	C	C	C	21UC		C
03	C	10	C	C	C	22UR	C	C	25	34		C
04	45X	1	C	C	C	R	C	C	B	56DB		C
05	20F	6	C	C	C	C	26	C	23	48DB		C
06	20XF	22DB	S	28	16F	R	R	C	45DB	C		C
07	21USX	C	20	23	17	15AR	C	C	C	B		C
08	4XF	C	C	27UR	19F	18UR	B	C	C	C		C
09	C	28	C	24	11R	26UR	51DB	B	35	26		0USX
10	C	C	12	27	55F	29F	25R	C	B	21US		13UFX
11	C	C	16DB	22	N	24R	C	B	B	26		R
12	R	C	48	24UR	19F	41UR	24UR	25UR	B	C		4X
13	R	C	16	16	R	43DB	C	36DB	41	C		C
14	C	C	25	16R	16R	38UR	R	C	8	24		C
15	C	C	32UR	C	39	28UR	25UA	C	24	21		G
16	0	C	C	44UR	35	26UR	R	C	23	29		R
17	C	20	12	23AF	C	23AF	C	C	27	40		R
18	C	13	R	14UR	C	R	C	11	58	11		C
19	21F	21	S	39	C	18	B	18	C	C		C
20	R	12	R	26	C	14UR	35UR	C	C	C		G
21	S	C	B	25F	C	R	C	C	15R	26DB		S
22	5	C	17R	25	C	C	C	C	29F	19		G
23	7F	7	16R	R	C	R	C	C	22R	26		C
24	C	15	B	10	22	C	C	C	B	C		G
25	C	13	B	33R	19R	C	C	C	C	C		C
26	C	38DB	B	41DB	25R	26UR	C	23	C	C		C
27	C	C	12	16	C	R	C	24	13	24		39FX
28	28	50DB	12	38UR	C	27UAR	C	21R	19	22		S
29	C	22	53	C	C	R	8	C	43	C		F
30	14R		B	C	C	17R	B	C	32DB	C		F
31	14		C		C		C	C		C		C
C	8	16	17	19	12	14	9	9	22	19		
M	14	17	25	25	19	26	35	24	30	26		

DIXON IS

PERIOD 1436 UNITS 1.0 DB FREQUENCY 3.2 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	C	20	C	C	C	C	C	C	B	C	C	R
02	C	19	C	23	C	C	C	C	C	C	C	G
03	R	8	C	30	C	27UR	C	C	24	26	29	C
04	G	C	B	C	C	20	C	17	C	15	11	R
05	S	C	12	C	23UF	35DB	30R	24	23	21	17	R
06	C	28	19	13	21UC	31	50DB	18F	33	14	30A	R
07	C	B	B	30	37	R	33R	22	29	30	C	R
08	R	34	C	14	29R	24R	32	38	C	6	C	G
09	R	C	8	C	C	27R	N	17	25	33	21	R
10	5	24	17	C	C	C	C	28	31	26	C	R
11	C	31	19	C	26	C	C	C	14	14	4	B
12	N	14	12UC	16UC	20R	25R	14A	C	23	C	12	G
13	C	13	3	19	21R	R	R	C	38	17	C	C
14	C	C	14	C	25UR	33UR	21	B	41	24	C	R
15	R	C	C	B	C	20R	40DB	21	38	C	C	G
16	C	23	14	41	23R	G	15R	18	N	C	C	G
17	C	27	16	32	22	33	19	14	57DB	18	5	G
18	C	26	11	C	20UR	C	36A	N	B	C	14	9X
19	9	C	C	C	22R	30	53DB	49	C	10	4	G
20	4UFX	21S	C	18	R	C	N	R	C	12	B	G
21	3	B	14	13	C	C	38UR	31	C	7	B	G
22	B	16	16	18	25UR	35A	35	C	C	5	13	G
23	C	34DB	C	C	21UR	C	48	C	14	B	6FX	G
24	7	C	C	C	33R	21UR	44R	C	33	B	4	G
25	12	C	C	23	C	16R	28	B	B	46	1X	G
26	4F	C	C	13	23R	22	31	C	22	C	2SX	R
27	24	17	C	26	30R	34DB	28	26F	30	31	6F	41DB
28	14	C	C	14R	20R	40	B	36	C	19	5	R
29	C		C	27R	18UR	C	B	38	C	21	F	G
30	C		C	25R	19UR	C	C	42	26	C	R	B
31	C		C		27R		C	39		18		G
C	9	18	15	19	17	16	20	19	20	23	16	2
M	9	24	14	23	23	28	34	28	30	19	12	B

SINGAPORE

PERIOD COS CHI = 0.6 (AM) UNITS 1.0 DB FREQUENCY 2.4 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						30			27	26		C
02					20UC	C			22	24		C
03									20	20		26
04			24		27UC	19			17			26
05			24		23UC	20			C	25		C
06			26		25UC	20				28		
07			26		22UC				18	30		20
08					28UC	22			24	25		20
09			28		25UC	20			24	25		22
10			33			18			22	26		20UN
11			35		30UC	26			18			23
12			28		C	24			22	28		22
13			26		26UC	20				16		
14			28		28UC				20	26		22
15					24UC	22			21	25		30A
16			26UA		20UC	22US			22	28		28
17			23			20			21	30		C
18			21			21			24			28
19			27UC		17UC	23			26	32		30
20			24		25UC	22				28		
21			26		24UC				27	26		28
22					20	S			20	30		27
23			26		22	21			24	30		28
24			24			18			22	C		
25			24		22	19			22UA			
26			27			22			C	27		
27					18	24				28		
28					18				24	26		14
29					24	18			26	26		20
30					22	20			24	C		24
31			30							35		12
C			21		22	23			24	25		20
M			26		23UC	21			22	26		23

SINGAPORE

PERIOD COS CHI = 0.6 (AM) UNITS 1.0 DB FREQUENCY 2.4 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01		22	18	C		22	20		22	24	30	25
02	26	C	C	26			20	24	22	30	C	28
03		C	24	22	20	24	16	20	20		19	28
04	27	18	24		12	19		22	22	34	30	24
05	29	C	24	28	24	22	16	C		34	30	
06	22	23	C	C	11		16	22	22	26	26	26
07	22UN			30	20	21	25	21	24	30		26
08	24	18	C	24	24UN	C	18		26	27	25	27
09	20UN	24	C	24		22	16	18	24	30	24	24
10		23	20	22	24	20		18	20		26	28
11	20	20	21		20	20		22	20	28	25	22
12	22	20	22		24		20	25		C	C	
13	20	C	23	31	C		20	20	25	24	30	26
14	20			24	10	12	20	20	25	24		C
15	19	20	26	22		20	18		22	29	24	26
16	C	C	22			10	19	19	22	28	26	25
17		24	22UN	22	25	20	22	16	20		27	26
18		16	22		C	14		20	23	25	30	25
19	22	19	C		24	C	17	22		29	28	
20	20UN	14	C	25	25UN		24	20	22	24	26	23
21	20			23	C	18	18	16	24	27		C
22	25	24	24UN	24	21	22	20		22	28	C	25
23	20	26	22	22		18	18	19	26	C	26	21
24		27	22	26	26	20	21	20	22		24	22
25	22	12	26		24	22		18	24	31	24	
26	18	18	25	20	19	20	20	19		32	24	
27	21	24	C	24	19		18	20	29	C	28	
28	21			29	24	20	16	17UN	C	C		C
29	20		25	22	22	20	21		22	30	18	24
30	24		26	27		20	20	18	24	26	C	34
31			C		C		22	20				26
C	23	19	19	21	20	22	26	25	25	22	22	22
M	21	20	23	24	22	20	20	20	22	28	26	26

SINGAPORE

PERIOD COS CHI = 0.6 (PM) UNITS 1.0 DB FREQUENCY 2.4 MHZ

1964

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01						22			26	28		C
02						22				C		C
03			32						32			21
04					34UC	26			C			C
05			25UA		26UC	14			C	26		
06												
07									C			24
08					23UC	21			30	28		C
09			29			18				26		
10			31						22			C
11					S	22UA			24			C
12			30		C	20				30		
13			30							28		
14					26UC				30			C
15					22UC	28			C	26		22
16			32			24UA				32		
17			26						18			C
18						22			22			C
19			30		29UC	26				46A		
20			26		C					30		
21					C				27			28
22					C	13UA			28	36		32
23			27			20				C		
24			26						25			
25						38UA			C			
26			30			11UA			C	C		
27										38		
28					23				21			28
29					14	22			C	C		26
30						20				27		
31			28									C
M			14		8	18			12	13		7
C			29		25UC	22			26	28		26

SINGAPORE

PERIOD COS CHI = 0.6 (PM) UNITS 1.0 DB FREQUENCY 2.4 MHZ

1965

DAY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
01	16	24	24	30		30	18			C	22	
02		C	25	33			20	24	25		32	28
03					C	12		20	30			26
04	C	22	36		C	24				38	34	
05	C	20	C	C			9	25		36	31	
06	C			C	C		24	22	26			26
07	26				22	12			26	28		19
08	23	24	32	C		26	24			26	27	
09		S	16UN	24			14	22	C		26	36
10					16	20		29	25			28
11	C	C	C		14	24				34	36	
12	20	26	25				19	26		39	C	
13				C	C		22	25	32			28
14	20				19	14			30	28		C
15	29UN	22	C	C		20	14			C	31	
16		C	26				18	22	26		32	28
17						15		24	26			26
18		27	27		31	12				36	32	
19	20UN	C	C				24	30		32	30	
20				C	22		22	26	22			28
21	C				C	24			24	C		29
22	28	C	C	20		19	23			31	28	
23		30	30	26			19	33	25		36	26
24					22	16		35	27			
25	10	36S	28		23	24					29	
26	C	29	41	C			22	26		32	24	
27				22	32UN		12	22	34			
28	22				28	22			C	C		20
29	C		16	24		20	24			21	27	
30			34	C			24	23	34		27	34
31			C		26			26				32
C	10	10	13	7	11	17	18	18	15	12	17	15
M	21	25	27	24	22	20	21	25	26	32	30	28

Table Format: xx yy
xx = decibels; yy = median count

AHMEDABAD
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 75 EMT UNITS 0.1 DB FREQUENCY 2.5 MHZ

	1957					1958											
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
MEDIANS	38 02	42 08	37 07	38 03	30 13	29 13	31 17	37 13	39 07	46 05	37 05	07 19	40 08	32 06	37 12	34 07	32 04
TIME	0830	0840	0810	0830	0840	0845	0845	0845	0845	0845	0840	0845	0850	0845	0845	0845	0845
MEDIANS	42 06	51 20	47 14	51 08	45 11	33 17	37 14	44 12	49 06	49 15	44 22	44 24	46 08	39 05	39 11	36 13	31 19
TIME	0910	0915	0920	0915	0910	0915	0915	0915	0925	0915	0910	0910	0910	0915	0915	0915	0915
MEDIANS	51 06	51 18	56 14	50 06	51 13	41 16	45 15	50 12	58 11	52 12	51 18	52 20	56 09	43 07	46 11	38 09	42 18
TIME	1015	1010	1015	1015	1010	1010	1010	1015	1020	1015	1010	1010	1010	1010	1010	1015	1015
MEDIANS	55 04	63 12	63 03	57 08	53 22	52 13	53 12	62 06		55 03	57 09	62 02	58 02		49 02		
TIME	1140	1145	1135	1140	1145	1140	1140	1115	1115	1115	1110	1110	1110		1110		
MEDIANS	57 05	63 18	62 10	59 10	54 21	52 16	52 18	62 06	62 04	53 01							
TIME	1215	1210	1220	1215	1210	1215	1215	1225	1240	1215							
MEDIANS	53 06	63 18	63 12	65 11	52 19	58 18	59 15	62 04	60 09	56 09	53 05	62 08	62 01				
TIME	1310	1310	1315	1315	1315	1315	1310	1320	1320	1315	1310	1325	1325				
MEDIANS	50 08	62 19	54 14	46 15	48 01	44 23	46 18	58 12	59 12	55 11	51 15	53 18	61 07	40 07	46 11	40 12	41 11
TIME	1410	1410	1415	1415	1415	1415	1410	1410	1415	1415	1415	1410	1410	1415	1415	1415	1415
MEDIANS	43 12	48 18	48 09	37 15	40 21	37 20	39 17	49 13	53 13	45 16	46 19	48 20	50 09	35 09	39 17	34 10	35 11
	1515	1515	1515	1515	1510	1510	1515	1515	1515	1515	1510	1510	1515	1510	1515	1510	1510
MEDIANS	28 10	41 19	36 11	31 13	33 15	29 21	31 17	51 16	40 13	38 10	35 18	08 18	37 08	30 07	30 15	30 13	31 11
TIME	1610	1610	1615	1615	1615	1615	1610	1615	1615	1610	1610	1610	1615	1610	1615	1610	1610
MEDIANS	30 08	31 12	25 09	24 10	20 08	22 14	19 13	28 10	32 06	27 10	27 12	30 15	36 06	24 05	15 09	16 03	24 01
TIME	1700	1710	1715	1710	1710	1710	1715	1715	1710	1710	1710	1740	1710	1710	1710	1655	1655

Table Format: xx yy

xx = decibels; yy = median count

BAKER LAKE
DIURNAL VARIATIONS - MEDIANS AND COUNT

TIME 90 WMT — UNITS 1.0 DB — FREQUENCY 2.0 MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00	25 29	19 31	14 30	21 25	12 31	18 11			15 24	24 31	16 29	12 31	18 30	25 31	14 23	17 30	12 31	12 30	13 31
01	30 30	17 31	10 31	27 27	14 30	17 11			16 24	22 31	14 29	12 31	22 30	24 31	14 25	14 30	15 30	12 30	13 31
02	32 30	22 31	11 31	20 28	13 30	14 11			14 25	30 31	14 30	13 31	27 30	32 31	14 24	13 30	19 31	12 30	12 31
03	40 30	26 31	13 31	28 28	14 29	13 11			16 24	23 31	17 30	14 31	28 29	37 31	15 25	20 30	18 30	12 30	14 31
04	42 30	31 31	21 31	23 26	14 29	13 11			18 24	28 30	18 30	21 31	30 30	43 31	20 22	20 30	16 29	14 29	13 30
05	42 30	34 31	26 31	21 26	14 29	29 09			18 25	28 30	32 29	26 31	34 30	41 31	24 19	25 30	22 30	15 29	12 31
06	42 30	36 31	29 31	B 25	15 27	20 10			21 24	43 31	40 28	32 31	36 30	36 31	30 19	34 30	20 30	17 30	15 31
07	46 30	36 31	30 31	DB 28	18 30	23 10			20 25	DB 31	45 28	29 30	38 30	41 31	34 18	42 30	24 31	20 30	18 31
08	42 30	35 31	29 30	DB 26	25 27	28 10			37 25	DB 31	49 29	29 28	40 30	42 31	36 19	46 30	28 31	23 28	24 31
09	42 30	37 31	32 31	DB 26	30 28	30 10			DB 23	DB 30	49 27	34 28	42 29	46 31	38 18	50 30	33 31	30 28	28 28
10	45 30	38 31	34 31	DB 27	34 30	38 10			DB 24	DB 30	54 26	32 29	46 30	46 31	38 17	50 30	38 30	35 25	35 27
11	47 30	38 31	35 31	DB 27	37 30	41 09			DB 23	DB 30	B 27	39 27	44 30	48 31	39 17	51 30	33 29	44 26	B 25
12	47 30	39 31	35 31	DB 28	37 27	45 09			DB 23	DB 30	59 25	40 26	48 29	54 30	41 18	54 30	38 30	48 23	B 26
13	46 30	40 31	38 31	DB 28	36 28	43 10			DB 23	DB 30	B 25	39 27	46 28	54 31	40 16	58 30	36 29	B 23	B 27
14	47 30	40 31	36 31	DB 28	36 28	38 10			DB 24	DB 31	B 28	38 26	47 29	53 30	40 16	52 30	34 30	39 26	38 26
15	48 30	40 30	35 31	DB 28	32 30	34 10			DB 21	DB 31	B 28	38 28	47 29	48 31	39 17	49 30	33 31	33 29	26 28
16	48 30	40 31	34 30	DB 29	28 30	34 09			52 22	DB 30	52 26	34 26	41 28	46 30	39 17	47 30	28 31	26 30	18 30
17	46 30	39 31	33 30	DB 25	22 28	22 10			31 24	DB 31	50 29	32 29	42 30	45 29	40 18	43 30	25 31	20 30	20 30
18	42 30	37 30	32 31	DB 27	16 30	23 10			21 25	DB 31	44 26	30 29	42 29	40 30	34 17	39 30	18 31	16 30	18 31
19	43 30	36 30	31 31	B 26	14 31	17 10			21 25	DB 31	39 28	31 29	39 29	41 31	30 19	33 30	14 31	16 30	17 31
20	42 30	33 30	28 31	B 25	12 30	16 10			15 25	46 31	32 30	27 29	34 28	38 31	24 20	25 30	17 31	14 30	18 31
21	36 30	29 30	25 31	32 27	15 31	17 10			15 24	30 30	23 29	22 30	32 30	32 30	23 20	22 30	14 31	11 30	14 30
22	36 30	29 31	20 31	20 26	14 31	20 10			15 25	22 27	20 30	17 30	28 29	36 30	14 22	18 30	15 31	14 30	14 31
23	30 30	22 30	15 31	19 25	14 31	19 10			16 25	28 31	14 30	12 31	24 30	30 29	15 22	20 30	12 31	12 30	14 31

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

Table Format: xxxxy
xx = decibels; y = median count

BANGUI
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 15 EMT UNITS 1.0 DB FREQUENCY 2.1 MHZ

1958

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00						8 7						
01												
02												
03												
04												
05		8 2	14 3	11 2	13 3	12 9		5 2				
06		24 2	26 3	34 2	38 3	27 9		32 3				
07		28DB2	44DB2	45 3	B 3	36 9	25 3	46 6	50 3	48 7	46 5	41 4
08		41DB2	B 3	B 3	B 3	46DB5	39DB5	B 3	B 4	B 7	B 5	B 2
09		49DB2	B 2	B 3	B 3	46 1	46 5	B 5	B 4			
10		B 2	B 3	B 3	B 3		B 2					
11		B 2	B 3	B 3	B 3							
12		B 2	B 3	B 3	B 3							
13		B 2	B 3	B 3	B 3						B 1	
14		B 2	B 3	B 3	B 3						B 3	B 1
15		50DB2	B 3	B 3	B 3			B 7	B 3	B 6	B 5	B 5
16		38 2	B 3	49 3	B 3	37 4	45 6	B 7	B 4	52 7	41 5	41 5
17		30 2	37 3	32 3	36 3	29 10	30 6	40 6	35 4	38 7	38 4	32 5
18		10 1	15 3	13 3	14 3	16 10	7 6	13 7	12 4	12 7	15 4	18 5
19		9 2	13 3	12 3	4 2	10 10	5 6	6 7	10 4	6 7	12 4	12 5
20						3 1						
21												
22												
23			15 1	13 2	5 3	4 9						

Table Format: xxxxy
xx = decibels; y = median count

BANGUI
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 15 EMT UNITS 1.0 DB FREQUENCY 2.1 MHZ

1959

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00												
01												
02												
03												
04												
05						20 1	12 2		7 3	3 6	13 3	12 4
06				28 2	23 1	23 3	31 3	33DR2	30 3	26 6	26 2	34 4
07	40 2	36 3	32 3	41 3	38 3	29 3	43 3	39 3	44 3	38 6	36 3	34 4
08		50 3		B 1		B 3	B 3	B 3	B 1	50 6	B 3	46 4
09	B 2	B 3				B 1		B 1		B 4	B 1	B 4
10		54 1				55 1						
11		B 1				56 1						
12						B 1						
13										B 1		
14									B 1	49DB2		
15	B 1	B 3				B 3	B 2	B 3	29DB2	B 6	B 3	B 3
16		54 3		28 1	44 3	40 3	43 2	46 3	35 2	42 6	34 3	32 3
17	44 1	44 3	37 1	34 3	25 2	26 2	34 3	28 3	24 2	41 6	28 3	24 4
18	20 2	17 3	14 3	19 3	8 2	15 1	14 2	22 2	16 1	13 6	7 3	14 3
19	11 2	9 3	10 3	6 3		0 1	9 3	20 2	26 1	5 4	6 2	16 4
20												
21												
22												
23												

Table Format: xxxxy
xx = decibels; y = median count

BANGUI
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 15 EMT UNITS 1.0 DB FREQUENCY 3.4 MHZ

1958

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00			5 2	8 2	8 3	1 9						
01												
02												
03												
04												
05			5 2	2 1	6 2	8 8		4 2				
06		4 2	10 3	14 2	14 3	11 8		11 3				
07		11 2	37UR2	24 3	24 3	23 10	24 5	24 7	32 4	30 7	28 6	26 4
08		3 2	44R 2	36 3	40 3	32 10	36 4	37 5	40 4	42 7	41 6	43 4
09		20 1	39 2	49 3	43 3	40 10	46 5	47 5	51 4	50 7	48 5	47 4
10		28 1	58UB2	44 3	56 3	46 10	51 6	58 7	61 4	58 6	57 6	55 4
11		34 1	B 3	B 3	55 3	49 10	52 5	63 7	62DB3	64 7	62 6	57 4
12		43 2	B 3	54 3	54 3	52 10	49 5	66DB7	B 3	63B 5	62 6	58 5
13		43 2	B 3	54 3	56 3	52 10	49 5	66 7	61DB4	56 6	59 6	60 3
14		36 2	54 3	50 3	54 3	47 10	46 6	60 6	59 4	52 7	52 6	56 5
15		43 2	47 3	32 3	44 3	36 10	42 4	54 7	46 4	44 7	40 6	43 5
16		31 2	36R 2	34 3	36 2	31 9	38 6	38 7	44 4	40 6	44 6	39 5
17		9 2	24 3	18 3	20 3	20 10	19R 5	22 7	23 4	21 7	20 6	19 5
18		8 2	12 3	13 2	8 3	11 10	9 5	12 7	10 4	9 6	12 6	13 5
19		6 2	5 3	16 3	8 3	8 10	14 5	8 5	8 4	8 7	12 6	6 5
20						7 1						
21												
22												
23			12 2	7 2	6 3	1 9						

Table Format: xxxxy
xx = decibels; y = median count

BANGUI
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 15 EMT UNITS 1.0 DB FREQUENCY 3.4 MHZ

1959

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00												
01												
02												
03												
04												
05									7 3	0 5	6 3	4 4
06				8 2	15 1	5 3	13 3	10 2	13 3	6 6	10 3	6 4
07	28 2	26 3	26 3	26 3	29 3	6 3	20 3	23 3	25 3	18 6	21 3	12 4
08	42 2	50 3	43 3	44 3	35 3	31 2	45 2	35 3	51 1	36 6	33 3	27 3
09	52 2	44 3	46 3	48 3	49 3	27 3	45 3	42 3	44 2	39 6	39 3	26 4
10	54 2	55 3	58 3	55 3	62 2	37 3	47 3	46 3	54 2	43 6	42 3	36 4
11	58 2	60 3	56 2	57 3	B 2	41 3	57 1	56 3	59 1	48 6	46 3	39 3
12	B 1	63 3	62 3	60 3	59 3	41 2	58 2	55 3	60 2	45 6	48 3	46 4
13	62DB2	56 3	60 2	58 3						43 6	39 3	37 3
14	56 2	49 3	54 3	56 3						39 6		
15	47 2	44 3	52 3	45 3	38 3	34 2	44 1	41 1	31 2	33 6		
16	40 2	46 3	48 3	52 3	29 3	25 3	37 2	30 3	30 2	28 6	39 3	19 3
17	28 2	29 3	37 3	23 3	16 2	11 3	20 3	17 3	40 1	13 6	18 3	10 4
18	13 2	16 3	15 3	10 3	9 2	0 1	8 2	8 2	37 2	4 6	5 3	4 3
19	6 2	10 2	11 3	8 3		0 1	12 2	6 2	15 1	0 5	6 2	4 4
20												
21												
22								9 1				
23								3 1				

Table Format: xx yy
xx = decibels; yy = median count

CHURCHILL
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00		13 28	24 30	23 28	18 30	21 30	22 31	16 31	23 28	34 31	24 30	16 27	18 29	15 30	24 30	24 28	10 31	14 30	21 31
01		14 30	25 30	26 29	22 30	26 30	24 31	17 31	23 27	39 31	18 30	17 29	16 30	16 30	18 31	20 30	09 31	15 30	23 31
02		17 31	25 29	28 29	19 30	30 30	22 31	21 30	24 26	31 31	26 30	21 25	18 30	16 29	20 30	20 30	11 31	17 30	29 31
03		20 31	29 29	27 30	22 29	25 30	21 31	22 31	29 28	39 31	23 30	23 29	20 30	24 31	24 29	16 30	14 31	27 30	26 31
04		23 31	27 30	32 30	26 30	22 30	22 31	23 31	31 27	34 31	28 30	29 28	28 30	28 31	33 31	19 30	13 31	26 29	27 31
05		27 31	34 30	35 30	26 30	23 30	26 31	24 29	28 27	39 31	29 29	25 29	26 30	30 30	36 31	24 29	10 30	26 30	26 31
06		35 31	37 31	55 30	30 30	27 30	34 31	27 31	31 28	49 30	32 30	29 29	29 30	29 30	38 31	32 29	15 31	24 30	33 31
07		35 31	42 31	B 30	32 30	32 30	32 31	24 31	42 28	DB 29	40 30	27 29	30 30	32 30	38 29	34 29	20 31	37 30	33 31
08		31 31	49 28	B 30	40 30	44 30	37 31	24 31	61 28	DB 29	47 30	35 29	31 29	36 30	38 31	38 29	24 31	39 30	41 31
09		33 30	49 29	DB 30	44 30	56 30	42 31	36 31	DB 28	DB 27	52 30	42 29	34 28	36 30	B 30	43 30	31 30	48 30	B 31
10		40 30	51 26	B 30	54 30	56 30	52 30	B 30	DB 28	DB 31	49 30	42 29	41 28	42 28	44 28	B 30	31 29	B 29	B 31
11		39 30	54 29	DB 30	B 30	DB 29	B 30	DB 31	DB 28	DB 30	B 30	47 29	39 27	44 31	45 30	DB 27	38 30	DB 30	DB 30
12		40 31	56 28	DB 30	52 30	DB 30	B 31	DB 31	DB 28	DB 30	55 30	41 28	43 27	44 30	46 29	B 25	36 30	51 30	B 29
13		43 31	55 28	DB 30	49 30	56 30	58 31	B 31	DB 27	DB 31	48 29	42 26	42 28	46 30	DB 29	43 27	34 29	49 30	B 30
14		43 31	51 29	DB 30	42 30	59 30	51 31	50 30	DB 28	DB 31	48 29	39 25	44 27	45 30	DB 27	42 26	30 30	46 28	47 29
15		40 29	49 30	DB 30	40 30	46 30	35 30	48 31	56 27	DB 30	46 29	39 26	38 27	39 28	DB 29	39 26	24 30	36 29	42 30
16		40 30	45 29	B 29	31 30	33 28	27 31	32 28	54 27	DB 31	37 30	38 27	36 28	38 30	46 30	40 27	18 31	23 29	36 29
17		33 31	45 29	B 30	34 29	21 30	23 31	19 30	33 28	DB 31	34 30	34 30	32 29	31 31	46 29	37 27	14 31	20 30	31 30
18		29 31	38 30	56 30	22 30	20 29	21 31	19 29	22 27	DB 31	34 30	30 29	33 29	27 30	40 30	32 28	11 31	17 30	24 31
19		25 31	36 29	39 30	19 29	20 29	22 31	13 30	20 27	45 31	25 30	28 29	29 29	29 29	29 31	25 30	11 31	16 30	22 30
20		22 31	27 29	23 30	19 30	20 29	16 31	14 31	18 27	39 31	21 30	22 30	25 28	26 30	25 31	16 30	08 31	16 30	22 31
21		18 31	29 29	26 29	19 29	19 29	21 31	14 31	17 28	35 31	19 29	19 30	20 28	26 30	17 30	13 30	08 31	16 30	20 31
22		12 31	17 28	23 29	22 28	21 29	20 31	15 30	18 28	32 31	14 30	19 30	16 30	22 30	17 31	16 29	10 31	13 30	19 31
23		10 30	26 28	20 28	25 31	20 29	18 31	15 30	16 28	32 30	21 30	28 30	20 30	17 31	20 29	18 28	10 31	16 30	19 31

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

Table Format: xx yy
xx = decibels; yy = median count

OTTAWA
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 75 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00		10 16	02 15	12 24	07 24	10 30	12 30	14 30	08 26	14 24	12 26	05 26	06 22	05 10	12 12	06 18	07 12	07 07	05 16
01		15 14	00 16	14 26	09 24	10 29	13 30	12 30	08 24	13 26	15 23	04 21	08 24	02 06	22 06	06 13	09 12	10 08	03 22
02		13 15	01 15	10 28	09 23	10 30	12 26	11 30	08 24	15 25	16 24	05 21	24 18	06 08	15 07	05 11	04 11	08 08	05 19
03		17 18	01 16	11 26	11 23	12 30	14 29	15 29	10 27	16 25	18 24	06 20	12 25	04 08	B 07	07 14	06 10	06 10	00 19
04		14 16	09 22	12 25	09 21	13 29	12 27	12 30	11 27	12 24	18 26	05 20	12 21	12 08	B 05	03 08	09 13	11 07	06 14
05		36 24	19 27	16 28	08 25	09 29	14 28	14 28	11 25	13 24	22 26	27 23	30 26	DB 18	27 12	06 14	11 11	07 06	02 18
06		32 30	30 30	B 28	12 25	10 28	14 29	12 30	10 26	32 25	B 27	28 30	32 30	35 21	37 28	R 17	18 16	09 08	04 16
07		36 30	30 29	B 26	37 27	22 29	16 27	14 31	26 26	DB 24	42 30	33 30	B 30	36 21	42 30	36 23	B 22	B 13	08 18
08		B 31	33 29	B 30	37 26	34 30	B 28	B 29	DB 27	B 26	46 30	39 28	B 29	B 21	B 30	B 28	B 26	B 13	30 23
09		B 31	37 30	DB 30	B 27	42 29	47 29	44 28	B 27	B 25	B 29	B 27	DB 30	DB 21	B 31	DB 28	B 26	B 15	B 26
10		B 31	B 30	DB 30	B 27	45 30	B 31	B 28	B 27	DB 26	DB 27	B 27	DB 29	DB 21	DB 30	DB 28	B 28	B 16	DB 23
11		B 31	B 30	DB 28	B 27	B 27	DB 31	DB 25	DB 27	DB 26	DB 27	B 29	DB 29	DB 22	DB 31	DB 28	DB 29	DB 16	DB 23
12		B 26	B 30	DB 29	B 27	52 30	DB 31	DB 27	DB 27	DB 26	DB 29	DB 28	DB 28	DB 22	DB 31	DB 29	DB 29	B 19	DB 23
13		B 25	B 29	DB 29	B 27	45 29	DB 29	DB 26	DB 27	DB 26	DB 30	DB 26	DB 28	DB 21	DB 30	DB 29	DB 27	B 17	DB 22
14		B 27	B 29	DB 29	B 27	B 30	DB 29	DB 25	DB 26	DB 26	DB 29	DB 25	DB 29	DB 21	DB 30	DB 30	DB 28	B 21	DB 25
15		B 25	B 28	DB 28	B 25	44 28	B 30	DB 27	B 27	DB 26	DB 29	DB 24	DB 29	DB 20	DB 30	DB 28	B 26	B 21	DB 22
16		B 27	36 30	B 27	38 28		B 30	B 30	B 27	DB 26	B 27	B 30	B 30	DB 22	B 30	B 29	B 26	DB 18	DB 25
17		B 26	31 27	44 24	39 26	24 30	30 30	34 29	B 26	43 26	40 28	35 31	B 30	B 23	B 30	35 26	B 22	22 14	24 21
18		42 22	25 25	42 24	14 25	17 29	26 31	28 31	30 27	B 23	38 27	32 29	33 28	38 20	43 29	B 15	B 16	14 15	11 18
19		34 21	22 23	14 25	12 27	14 30	22 30	24 30	18 23	22 23	30 25	30 27	27 27	32 22	37 27	19 16	B 14	11 13	12 20
20		27 22	09 20	14 24	09 27	11 29	16 29	20 30	12 25	13 24	15 25	12 17	22 25	19 19	14 15	12 16	18 12	07 12	09 13
21		22 16	04 14	11 23	14 26	12 28	22 30	21 31	10 22	15 20	13 23	13 17	09 22	14 14	24 11	15 14	B 06	09 16	07 14
22		10 12	03 16	10 24	12 27	08 29	16 29	18 30	08 26	11 23	08 26	06 15	01 19	06 12	13 09	13 16	06 05	10 15	07 12
23		14 14	03 14	09 25	09 26	11 29	14 29	11 31	07 24	14 22	08 21	06 19	05 19	05 09	08 10	06 11	09 11	06 14	08 14

* READING FOR 1600 NOVEMBER IS 46UR 27
NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

Table Format: xx yy
xx = decibels; yy = median count

OTTAWA
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 75 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1959 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	9 9											
0100	7 17											
0200	4 14											
0300	8 13											
0400	9 12											
0500	6 10											
0600	8 11											
0700	8 14											
0800	DB 20											
0900	B 26											
1000	DB 30											
1100	DB 30											
1200	DB 30											
1300	DB 30											
1400	DB 29											
1500	DB 28											
1600	DB 28											
1700	B 23											
1800	B 14											
1900	21 13											
2000	19 11											
2100	14 10											
2200	10 12											
2300	12 11											

Table Format: xxxxy
xx = decibels; y = median count

PENN STATE U
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 75 WMT UNITS 1.0 DB FREQUENCY *

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00																			
01																			
02																			
03																			
04																			
05																			
06																			
07		20 9	17 14	25 4	20 8							27 4		14 2	12 2				
08		39 6	19 10	43 5	21 4	35 6						23 5	26 8	31 6	24 8	16 4	11 2		
09		41 6	32 10	56 8	35 11	26 8	63 6	25 10	26 4	26 2	34 6	36 6	40 8	28 6	31 8	32 4	17 4	24 6	20 4
10		50 6	34 10	65 8	39 9	29 7	41 8		34UA2	60DB2	44 5	35 8	41 7	43 8	40 8	26 4	32 4	16 6	28 6
11		62 6	46 10	66DB8	46 10	38 12	65 8	44 12	45DB4	33 2	58DB6	43 7	47 8	40 8	42 8	38 4	25 5	33 3	29 5
12		70DB6	46 10	76 8	51 14	32 10	50 6		63A 2	62DB2	55 8	42 7	48 8	48 8	42 8	35 4	20 6	18 16	35 7
13		65 6	49 10	60 8	54 14	36 10	61 6	59 10	48 2	56DB2	60 5	45 8	48 8	35 8	40 8	32 4	27 6	32 6	32 8
14		58 6	50 10	70 8	46 13	30 10	49 8		69DB2	48 1	50 6	47 5	43 8	54 5	44 8	31 5	20 6	17 6	26 8
15		58 6	42 10	50 8	44 14	29 10	55 8	49 10	50DB4		42 6	43 6	44 8	35 6	32 8	24 4	22 6	20 6	24 6
16		46 6	32 10	44 6	27 14	34 5	39 3		40 2	33 2	38 6	38 4	35 8	32 7	20 6	16 2	11 1	20 2	
17		34 4	23 8	53 6	32 12	43 7	44 3	38 5	42F 4	24 2	20 6	36 6	31 6	18 4	20 5				
18																			
19																			
20																			
21																			
22																			
23																			

* SAMPLING FREQUENCY IS 2.155 MHZ FOR ODD HOURS
2.6 MHZ FOR EVEN HOURS

Table Format: xx yy
xx = decibels; yy = median count

RESOLUTE BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00	35 30	25 22	18 14	15 29	08 27	09 23	13 25	08 22	11 19	29 25	16 28	19 23	27 29	32 30	19 28	14 27	06 29	15 29	15 27
01	33 29	25 22	22 14	15 29	07 29	09 26	12 25	09 26	12 22	27 27	14 28	20 25	26 30	36 31	18 30	13 28	08 30	16 30	16 28
02	33 28	26 22	20 14	14 28	09 30	12 26	11 21	08 27	11 26	28 28	14 26	20 24	25 30	34 30	19 30	15 28	06 30	15 30	16 28
03	33 28	30 22	21 14	16 29	09 31	12 24	13 21	08 22	12 21	24 26	17 27	27 21	27 30	31 30	30 29	15 28	06 30	15 29	16 27
04	24 29	25 21	21 14	22 29	09 29	09 21	20 15	08 17	12 20	29 23	20 28	34 27	29 30	37 29	32 30	28 28	09 29	16 29	16 28
05	28 29	27 21	25 14	35 27	06 31	11 23	13 16	11 13	12 22	DB 22	30 21	34 27	29 30	39 31	31 30	34 27	08 27	16 29	18 26
06	35 29	25 22	28 13	41 30	08 27	11 26	12 18	11 15	12 21	DB 25	35 27	34 26	28 30	39 31	DB 30	41 28	10 31	16 28	16 26
07	35 29	25 22	36 13	DB 29	12 29	12 23	14 19	11 21	10 26	DB 21	38 30	31 29	25 30	37 30	DB 30	43 28	12 29	18 30	16 26
08	DB 29	30 20	28 14	DB 30	16 30	10 24	13 19	11 20	12 25	DB 24	38 29	30 29	28 30	37 29	DB 29	50 28	17 31	15 30	16 27
09	DB 29	26 21	30 14	DB 29	25 27	22 27	13 21	08 19	15 20	DB 28	31 28	29 27	28 27	38 29	DB 28	DB 26	28 19	19 28	16 27
10	DB 29	25 22	32 15	DB 29	29 28	14 25	15 24	10 19	40 17	DB 30	32 29	35 26	28 26	40 30	DB 28	DB 25	32 22	17 27	18 27
11	DB 29	24 22	30 15	DB 28	32 27	14 25	13 27	10 21	DB 18	DB 29	32 29	34 27	28 27	41 29	DB 29	46 26	32 23	18 29	16 28
12	DB 29	24 22	34 15	DB 28	32 29	22 26	13 29	08 17	DB 21	DB 31	36 29	35 25	30 29	42 29	DB 29	46 25	32 26	19 29	17 25
13	DB 29	26 22	30 15	DB 30	31 27	13 23	14 24	12 16	DB 20	DB 30	36 30	35 28	33 29	40 30	DB 28	51 25	31 27	20 28	15 28
14	DB 29	25 22	32 15	DB 29	29 31	13 25	13 25	14 25	DB 22	DB 29	38 27	35 28	32 27	41 30	DB 30	DB 23	32 23	17 25	16 26
15	DB 30	29 21	28 12	DB 29	25 27	12 24	12 22	11 15	DB 20	DB 30	36 28	35 29	30 26	40 31	DB 30	DB 23	22 17	15 24	15 26
16	DB 30	25 20	34 15	DB 29	18 25	10 25	13 22	12 16	18 22	DB 27	37 30	35 29	32 26	40 31	DB 29	DB 23	18 24	14 26	16 27
17	DB 30	33 20	34 14	DB 28	13 27	08 24	14 22	12 14	14 18	DB 25	39 30	34 28	30 28	40 30	DB 29	44 25	10 28	16 28	16 27
18	38 30	30 20	34 15	DB 27	10 28	10 22	15 24	12 19	14 19	DB 31	38 28	34 28	31 30	40 31	DB 29	41 25	08 30	15 28	16 28
19	DB 30	27 20	34 15	37 29	07 29	13 22	13 24	13 14	13 19	DB 29	29 25	36 27	31 30	47 30	DB 29	34 24	09 29	15 28	18 26
20	34 30	26 16	30 15	29 29	08 29	11 20	13 19	12 14	13 20	DB 29	26 27	30 25	33 29	40 29	30 30	23 24	08 30	16 30	16 26
21	DB 30	31 19	28 15	19 26	10 26	10 20	12 25	12 20	11 20	DB 29	20 24	30 27	30 28	42 30	27 31	20 26	08 30	15 29	16 28
22	DB 30	26 20	22 15	16 29	07 29	09 23	12 24	09 19	10 18	30 26	19 27	28 22	31 28	38 31	22 30	16 27	08 30	14 29	16 28
23	DB 30	22 21	20 15	15 29	08 26	10 21	11 23	09 19	11 15	32 26	14 28	20 21	30 28	38 20	20 31	14 27	08 30	16 29	18 27

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

Table Format: xxxxy
xx = decibels; y = median count

TOKYO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 135 EMT UNITS 1.0 DB FREQUENCY 2.4 MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00																			
01																			
02																			
03																			
04											6 2	6 2	10 5	9 5	3 6	3 3	1 3		
05						0 2	-1 4	2 2	3 2	2 3	6 1	10 2	18 5	18 5	6 8	4 3	3 5	3 4	4 4
06						-1 2	-1 4	4 2	10 2	14 2	18 2	19 2	20 5	28 5	17 8	15 4	8 6	3 5	5 3
07						12 3	18 3	16 2	R 4	15 4	27 3	30 3	29 4	27 3	24 8	25 4	19 5	12 6	20 5
08						24 3	38 4	38 2	R 2	27 5	36 2	26 1	33 5	32 4	30 9	27 3	26 6	19 6	21 5
09						38 3	33 3	32 2	33 2	34 5	42 3	30 1	40 7	48 7	42 0	43 3	31 6	24 7	31 5
10						46 2	47 3	41 2	32 3	40 5	49 3	45 2	48 8	53 7	51 7	50 2	38 3	28 6	37 4
11						44 1	55 4	48 2	42 3	48 6	52 2	48 1	52 6	54 7	54 7	56 2	44 3	32 6	38 4
12						47 1	50 4	41 3	36DB2	51 6	52 3	48 3	55 6	55 7	54 6	58 1	40 4	34 6	39 4
13						44 2	46 4	36 3	52 2	51 4	52 2	48 3	55 6	56 7	53 4	56 2	41 5	31 6	38 4
14						46 3	40 4	34 3	37 3	42 5	51 1	46 3	51 5	53 7	50 4	49 3	35 5	25 6	33 4
15						29 3	29 4	30 3	28 3	42 5		42 2	46 8	52 7	46 5	39 3	27 4	20 6	25 4
16						25DR2	22 4	22 3	14 1	26 3	34 3	39 3	35 8	34 7	35 5	32 4	17 5	15 6	20 4
17							8 4	15 3	B 1	17DR4	17 3	22 2	27 7	30 7	20 5	21 4	8 5	6 6	14 2
18							3 4	9 3	9 1	14 5	14 3	14 2	22 8	22 6	13 5	12 4	6 5	3 6	3 2
19										9 4		4 1	17 6	16 7	12 5	9 4	7 4	2 6	
20													11 6	9 7	8 6	6 4	6 4		
21																			
22																			
23																			

Table Format: xxxxy
xx = decibels; y = median count

TOKYO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 135 EMT UNITS 1.0 DB FREQUENCY 2.4 MHZ

1959

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00												
01												
02												
03												
04				-1 2	16 3	6 2	8 1	4 3	-2 2			
05	8 3	4 2	7 2	0 2	25 2	13 3	18 2	10 3	0 3	6 3	-4 2	
06	11 3	6 3	11 5	25 1	24 3	21 3	29 1	20 3	12 3	13 5	0 2	2 4
07	13 3	20 2	20 3	20 3	37 3	23 3	30 1	27 3	22 2	26 5	10 2	10 3
08	28 3	24 3	24 3	29 3	40 3	29 3	40 2	34 2	29 3	26 6	12 3	15 4
09	30 5	26 3	35 3	37 2	44 2	42 3	40 1	46 2	30 1	34 5	30 3	23 3
10	39 4	32 3	46 2	43 2	47 2	47 1	52 2	45 2	40 2	38 6	38 3	28 3
11	47 4	38 3	52 3	45 2	47 1	50 2	B 1	53 2	44 3	38 6	33 3	30 3
12	51 4	38 3	56 3	47 3	B 1	55 3	B 2	50 3	48 3	36 6	33 3	29 3
13	50 3	40 3	55 3	45 1		52 2	B 1	48 2	44 3	36 6	37 2	32 4
14	39 3	39 2	50 2	43 1		46 3	52 2	45 3	35 3	32 4	26 2	28 2
15	36 4	32 3	40 3	31 2	45 1	38 3	46 2	36 3	29 2	27 6	20 2	19 3
16	29 4	20 3	28 3	32 2	29 2	34 3	55 2	27 3	22 2	17 6	16 3	17 2
17	16 3	14 3	15 2	13 3	31 3	25 2	31 2	20 3	9 1	18 6	1 3	4 3
18	7 3	3 3	9 2	9 2	9 1	13 1	13 2	11 3	2 1	6 6	-2 3	2 4
19		1 3	11 3	2 3	6 3	8 2	4 2	6 2	0 1	4 6		
20						4 3	2 2	3 2				
21							2 1					
22												
23												

Table Format: xxxxy
xx = decibels; y = median count

TOKYO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 135 EMT UNITS 1.0 DB FREQUENCY * MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00																			
01																			
02																			
03																			
04		1 2									6 2	5 1	3 4	3 5	2 6	2 3	0 3		
05		8 1		6 1	0 2	0 3	-1 3	2 1		1 3	6 1	3 2	8 5	17 5	9 8	7 3	2 4	1 5	7 3
06		16 2	11 2	12 3	2 2	0 3	3 3	3 1	-2 1	7 3	19 1	15 2	37 4	24 5	19 8	13 4	6 6	3 6	4 3
07		28 3	28 4	24 4	21 3	13 1	11 3	8 2	3 2	R 3	21 3	20 2	22 4	29 4	26 8	25 4	22 6	9 3	9 4
08		36 3	30 6	38 6	19 3	27 3	20 2	18 2	19 2	28 4	32 2	25 2	28 5	37 5	30 8	28 2	30 6	18 6	24 5
09		40 3	54 4	48 6	28 3	33 3	29 3	25 2	25 3	36R 6	37 3	28 2	36 7	40 6	35 9	43 2	29 7	23 7	23 5
10		45 3	53 4	50 6	33 3	33 2	29 4	27 2	33 3	36 6	39 3	37 1	39 8	43 6	44 6	47 2	36 6	23 6	30 4
11		52 3	44 3	49 3	40 2	43 2	39 4	29 2	35 3	48B 6	47 2	40 1	46 7	45 6	43 6	51 3	39 4	27 5	31 4
12		52 3	52 5	51 6	47 3	42 2	38 4	26 3	39 3	46 4	49 2	42 3	48 8	49 6	46 6	45 2	34 4	27 5	34 4
13		51 3	54 4	54 6	46 3	39 3	31 3	28 3	32 3	45 2	51 1	37 2	47 7	46 6	44 3	50 3	32 5	24 6	33 4
14		47 3	47 5	48 6	38 3	38 3	29 4	24 3	28 3	37 6	38 1	36 2	47 7	41 6	47 4	40 3	28 6	21 5	26 4
15		42 3	48 6	40 7	25 3	24 3	27 4	21 3	23B 3	34 5	41 1	34 1	36 8	38 7	33 4	31 3	26 5	20 6	22 4
16		37 3	31 6	34 7	12 3	18 3	18 4	17 3	17 2	31R 4	26 3	25 3	34 8	30 7	27 5	29 3	19 6	10 6	13 4
17		29 3	30 5	16 6	7 3		10 4	8 3	4 2	23 6	14 2	18 3	25 7	27 7	20 5	21 4	9 6	5 6	7 4
18		24 3	14 3	2 4	5 2		5 4	2 3	3 2	13 4	15 1	9 3	17 8	19 6	15 5	8 4	6 6	2 6	4 4
19		12 1	0 1	2 2						3 2		9 3	17 7	13 7	11 5	6 4	5 5	4 5	
20		2 1	1 1									9 1	13 7	10 7	8 6	4 4	1 3		
21																			
22																			
23																			

* SAMPLING FREQUENCY IS 2.8 MHZ FOR JULY - OCTOBER 1957 AND JANUARY - APRIL, NOVEMBER - DECEMBER 1958
3.0 MHZ FOR NOVEMBER - DECEMBER 1957 AND MAY - OCTOBER 1958

Table Format: xxxxy
xx = decibels; y = median count

TOKYO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 135 EMT UNITS 1.0 DB FREQUENCY *

1959

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00												
01												
02												
03												
04				-1 2	5 3	0 2	3 1	2 3	0 2			
05	7 3	5 2	8 2	1 2	8 2	13 3	11 2	2 3	-2 3	8 3	-2 2	
06	13 3	5 3	11 3	10 1	20 2	20 3	17 2	12 3	8 3	8 5	5 1	-1 4
07	17 3	22 2	18 3	25R 1	31 3	28 3	20 2	22 3	19 2	24 5	9 2	6 3
08	28 3	34 3	23 3	25 3	31 3	33 3	26 2	28 2	32 3	37R 6	18 3	9 4
09	32 3	31 3	32 3	8 2	42 3	38 3	36 1	32 2	24 1	31 5	22 3	12 3
10	40 4	27 3	43 2	37B 2	51 3	40 2	40 2	35 2	33 2	33 6	27 3	13 3
11	39 4	34 3	51 3	41 2	47 2	46 2	42 2	40 2	36 3	37 6	24 3	20 3
12	42 4	39 3	52 3	44 2	49 3	45 3	44 2	39 3	36 3	35 6	23 3	16 3
13	39 3	40 3	49 2	42 1	48 2	43 3	DB1	39 3	28 3	34 6	27 2	16 4
14	30 3	34 3	43 2	37 1	42 1	38 3	40 2	34 3	30 3	34R 4	24 3	21 2
15	32 4	26 3	31 3	32 2	33 2	33 3	34 2	20 3	20 2	24 6	13 2	16 2
16	33 4	22 3	24 3	27 2	34 2	36 3	36 2	23 3	15 2	20 6	9 3	4 3
17	16 4	11 3	16 2	18 2	21 1	22 2	20 2	18 3	7 1	9 6	0 3	3 3
18	-2 3	-3 3	10 2	10 3	7 1	9 1	10 2	9 3	1 1	6 6	-2 2	-1 4
19		1 3	6 3	-1 3	5 2	8 2	2 2	4 2	0 1	7 5		
20						2 3	0 2	4 2				
21							1 1					
22												
23												

* SAMPLING FREQUENCY IS 2.8 MHZ FOR JANUARY - APRIL
3.2 MHZ FOR MAY - OCTOBER
3.0 MHZ FOR NOVEMBER - DECEMBER

Table Format: xxxxy
xx = decibels; y = median count

TOKYO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 135 EMT UNITS 1.0 DB FREQUENCY *

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00																			
01																			
02																			
03																			
04											1 2	8 1	0 5	1 5	1 6	5 2	0 3		
05						1 1			-1 2	5 2	0 2	7 1	5 6	8 5	7 6	11 3	5 2	-1 3	R 2
06						5 2	7 1		7 2	8 2	3 2	12 3	11 5	20R 5	13 8	15 4	5 4	6 4	0 2
07						9 2	7 3		10 2	9 3	13 3	22 3	17 4	30 5	17 8	15 4	10 6	6 5	8 4
08						23 3	16 4		14 2	14 4	14 3	17 2	22 4	29 5	23 9	13 2	16 6	8 6	15 5
09						21 3	22 1		17 4	19 4	20 3	17 2	24B 7	28 7	27 9	20 2	20 7	12 7	22 5
10						24 3	24 4		17 3	25 8	26 3	24 3	27 8	24 7	28 5	26 2	27 5	12 5	22 3
11						30 2	29 3		26 3	28 9	27 2	33 2	27 7	29 7	31 5	32 3	27 5	19 6	16 4
12						34 2	32 4		26 3	33 8	30 2	31 3	30 7	28 7	33 6	28 3	32 4	13 5	20 4
13						31 3	28 4		21 2	29 5	29 2	32 3	30 5	29 6	32 4	31 3	22 4	13 5	18 4
14						30 3	23 4		25 3	25 6	25 2	34 3	30DB6	32 7	30 5	28 3	19 6	11 6	13 4
15						26 3	19 3		16 4	19 6	23 1	19 3	26 8	25 7	26 5	23 4	14 5	8 5	9 4
16						17 3	14 3		11 1	15 6	16 2	18 3	22 8	22 7	25 5	16 4	12 6	1 6	9 4
17						11 3	7 3		9 2	12 6	9 2	9 3	17 7	18 7	20 5	12 4	5 6	-1 6	2 4
18							8 1		-3 1	2 7	6 2	4 3	10 7	12 6	14 5	8 4	1 6	0 6	0 4
19										2 6	4 2	1 2	8 5	5 7	7 5	-3 4	1 5	0 6	
20													7 6	6 7	3 5	-3 4	1 4		
21																			
22																			
23																			

* SAMPLING FREQUENCY IS 4.7 MHZ FOR NOVEMBER - DECEMBER 1957
4.2 MHZ FOR FEBRUARY 1958
4.8 MHZ FOR MARCH - JULY 1958
4.5 MHZ FOR AUGUST - DECEMBER 1958

Table Format: xxxxy
xx = decibels; y = median count

TOKYO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 135 EMT UNITS 1.0 DB FREQUENCY *

1959

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
00												
01												
02												
03												
04				-2 2	0 3	0 2	1 1	1 3	0 2			
05		4 2	4 2	-2 2	10 2	9 3	10 2	3 3	-2 3	1 3		
06		7 1	7 3	4 1	13 3	12 3	14 2	6 3	6 3	9 5		
07	6 2	6 1	9 3	10 3	14 3	19 3	14 2	14 3	12 2	12 5	3 1	6 1
08	14 3	15 3	12 3	18 3	18 3	22 3	19 2	17 2	16 3	15 6	14 3	7 4
09	14 5	17 3	19 3	27B 2	23 2	26 3	14 1	21 2	22 1	15 5	12 3	10 3
10	22 4	23 3	24 2	24 2	21 3	24 1	30 2	24 2	25 2	18 6	16 3	10 3
11	21 4	22 3	29 3	32 2	26 3	34 2	26 2	24 3	27 3	23 6	18 3	17 3
12	24 4	23 3	32 3	34B 3	27 3	29 3	30 2	21 3	30 3	20 6	16 3	16 3
13	22 2	23 3	28 2	29B 3	29 3	26 3	B 1	22 3	25 3	20 6	19 2	16 4
14	13 2	21 3	31 3	23 3	30 3	25 3	24B 2	21 3	22 3	19 4	12 3	13 1
15	17 4	19 3	18 3	18 3	25 3	22 3	35 2	18 3	19 2	13 6	7 2	12 3
16	10 4	11 3	12 3	12 3	20 2	25 2	21 2	12 3	12 2	7 6	2 3	4 3
17	3 4	6 3	7 2	9 3	12 2	13 2	12 2	10 3	3 1	4 6	0 3	0 4
18	-2 4	2 3	0 2	3 3	6 1	8 1	6 2	6 3	1 1	0 6	-2 2	3 4
19		1 3	3 3	0 3	4 2	11 2	-1 2	2 2	-1 1	1 5		
20						3 3	-2 2	1 2				
21							-5 1					
22												
23												

* SAMPLING FREQUENCY IS 4.5 MHZ FOR JANUARY - APRIL
4.6 MHZ FOR MAY - DECEMBER

Table Format: xx yy
xx = decibels; yy = median count

WINNIPEG
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT — UNITS 1.0 DB — FREQUENCY 2.0 MHZ

	1957							1958											
	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC
00							13 19	31 29	24 25	29 31	26 30	09 31	13 29	07 31	DB 31	20 30	09 22	07 23	16 21
01							20 22	44 31	26 26	25 31	26 30	10 31	20 30	09 31	23 31	15 29	09 27	08 28	13 27
02							32 22	46 31	25 26	27 30	34 30	17 31	21 30	10 31	29 31	12 29	12 28	08 27	14 28
03							16 21	33 31	35 25	28 31	28 30	20 28	20 30	15 31	33 31	08 29	10 30	08 24	15 27
04							25 21	25 30	28 25	32 30	36 28	20 31	24 30	17 31	22 31	11 28	12 28	09 29	20 24
05							18 22	20 28	32 25	36 31	30 30	33 31	34 30	B 31	40 31	12 30	08 28	08 29	16 26
06							19 22	19 31	B 25	DB 31	28 30	30 31	30 30	31 31	43 31	30 30	10 27	08 24	16 26
07							19 20	21 31	B 25	DB 30	30 29	29 31	32 30	35 31	42 31	31 30	12 28	10 26	16 24
08							33 21	34 30	DB 26	DB 31	34 29	B 31	36 30	37 31	45 31	38 30	20 30	28 21	34 26
09							41 20	B 30	DB 25	DB 31	34 30	37 31	B 29	B 31	B 30	45 30	24 28	35 26	B 24
10							52 19	B 30	DB 26	DB 31	38 29	B 31	B 29	B 31	B 31	B 30	23 29	40 25	B 27
11							DB 18	B 31	DB 26	DB 31	41 30	B 31	DB 29	B 31	DB 30	B 30	B 30	42 28	DB 27
12							B 18	B 31	DB 27	DB 30	41 29	B 31	DB 29	B 31	DB 31	DB 30	B 29	47 27	DB 24
13							B 18	B 31	DB 27	DB 30	DB 29	B 31	DB 29	DB 30	DB 31	B 30	B 30	48 28	DB 26
14							B 17	B 31	DB 27	DB 31	DB 28	B 30	DB 29	DB 30	DB 31	B 30	26 30	48 27	DB 26
15							B 17	B 31	B 26	DB 31	40 29	B 31	B 29	B 31	B 31	B 30	25 29	36 27	B 28
16							B 20	B 28	DB 26	DB 31	35 28	39 31	B 30	DB 31	B 31	42 30	22 29	46 17	B 22
17							B 21	45 29	DB 27	B 31	38 29	37 31	B 30	DB 29	46 31	34 30	18 27	21 25	38 26
18							25 22	33 31	B 27	33 31	35 29	34 31	B 29	DB 30	41 31	32 30	13 30	18 24	37 23
19							15 21	31 31	34 27	18 31	26 29	27 31	39 30	DB 30	40 31	18 30	12 30	13 25	21 26
20							16 20	22 30	29 25	23 31	14 30	21 31	26 30	DB 30	27 31	08 29	12 24	10 24	19 23
21							11 21	15 31	22 25	23 30	17 29	16 31	20 30	18 31	DB 31	10 30	09 24	08 23	27 23
22							12 20	26 31	17 23	23 31	12 29	11 31	12 30	12 30	B 31	12 29	08 25	08 23	14 24
23							08 21	22 31	18 25	23 31	13 30	13 31	14 29	04 31	29 31	12 30	08 25	06 21	20 21

NOTE - UPPER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY DB (NO ECHOES SEEN).
LOWER CASE B IN ORIGINAL MANUSCRIPT REPLACED HERE BY B (ECHOES TOO WEAK TO MEASURE).

Table Format: xxxxy
xx = decibels; y = median count

ABERYSTWYTH
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 1.95 MHz

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0010												
0110												
0210												
0310												
0410												
0510												
0610					14 3	18 3	13 2					
0710				10 3	15 3	16 3	19 3	16 3				
0810			15 3	16 3	18 3	24 3	18 3	13 3	14 3	12N 1		
0910	2 3	15 3	18 3	14 3	22 3	24 3	23 3	18 3	17 3	11 3	15 2	10 1
1010	11 3	18 3	18 3	18 3	25 3	26 3	30 3	24 3	21 3	13 3	16 3	18 3
1110	14 3	21 3	20 3	22 3	27 3	32 3	29 3	27 3	20 3	14 3	23 3	21 3
1210	18 3	23 3	23 3	22 3	26 3	29 3	30 3	26 3	21 3	14 3	23 3	22 3
1310	21 3	26 3	20 3	26 3	23 3	29 3	30 3	25 3	25 3	14 3	22 3	25 3
1410	15 3	22 3	19 3	25 3	23 3	30 3	29 3	21 3	20 3	17 3	22 3	20 2
1510	15 3	22 3	20 3	19 3	23 2	27 3	28 3	21 3	20 3	13 3		
1610		19 3	14 3	15 3	20 3	23 3	22 3	14 3	12 3			
1710			13 3	12 3	19 3	16 3	16 3	13 3				
1810					17 3	12 3	19 3	10 2				
1910												
2010												
2110												
2210												
2310												

Table Format: xx yy
xx = decibels; yy = median count

ABERYSTWYTH
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 1.95 MHz

	1965 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0010												
0110												
0210												
0310												
0410												
0510												
0610					14 3	20 3	19 3					
0710				14 3	17 3	21 3	17 3	18 3				
0810			11 3	17 3	21 3	24 3	21 3	19 3	18 3	13 3		
0910	11 1	14 3	16 3	23 3	23 3	26 3	24 3	22 3	19 3	13 3	13 3	
1010	20 3	15 3	20 3	26 3	28 3	30 3	26 3	25 3	24 3	14 3	12 3	22 3
1110	20 3	21 3	22 3	24 3	31 3	26 3	27 3	29 3	27 3	17 3	14 3	22 2
1210	21 3	21 3	23 3	28 3	30 3	33 3	29 3	29 3	28 3	21 3	17 3	24 2
1310	20 3	24 3	20 3	26 3	30 3	30 3	26 3	24 3	28 3	19 3	15 3	30 2
1410	21 3	26 3	22 3	26 3	27 3	25 3	25 3	25 3	21 3	18 3	16 3	24 2
1510		20 3	18 3	22 3	23 3	28 3	26 3	22 3	22 3	18 3	16 2	
1610		20 2	14 3	20 3	17 3	21 3	25 3	21 3	18 3			
1710			9 3	14 3	18 3	20 3	18 3	19 3				
1810					18 3	17 2	16 3					
1910												
2010												
2110												
2210												
2310												

Table Format: xxxxy
xx = decibels; y = median count

ABERYSTWYTH
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 3.5 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200												
0300												
0400												
0500												
0600					9 3	5R 1	12R 1	1 3				
0700			2 1	8 2	10 2	11R 1	12 1	5 3	9R 1			
0800	5 3		3 3	13 3	14 3	15 1	19 1	9 2	4 2	2 3	1 2	
0900	2 3	5 3	12 3	16 3	15 2			14R 1	10 2	3 2	4 3	2 2
1000	5 2	10 3	12 3	18 3	18 3				14 2	6 1	8 2	3 2
1100	10 3	13 3	14 3	20 3	24 2			13R 1	14 2	8 1	7 2	6 2
1200	8 3	17 3	14 3	22 3	20 1			20 3	17 3	8 2	12 3	8 3
1300	8 3	15 3	14 3	21 3	24R 1			19 2	15 3	11 2	10 3	11 2
1400	5 3	13 3	13 3	17 3	22 2			18 2	13 3	9 2	10 3	6 3
1500	2 3	13 3	13 3	16 3	19 1		22R 1	15R 1	13 3	6 3	6 3	2 3
1600	-2 3	7 3	9 3	13 3	12 2	20 1	18 1	9 2	9 3	4 3	4 3	1 3
1700	-2 1	4 3	5 3	10 3	12R 1	11 2	16 1	11R 1	2 3	1 3	0 1	0 2
1800		2 1	3 3	8 3	6 2	8 2	14R 1	4 2	1 3	0 3	-1 1	
1900		-2 1	-2 3	2 3	14A 1	3 2	8 1	2 2	-2 3	-1 3		
2000				4 3	2 2	6 1	2 1	-2 3				
2100				3 2	-1 2	5 1	6 1	-1 3				
2200												
2300												

Table Format: xxxxy
xx = decibels; y = median count

ABERYSTWYTH
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 3.5 MHZ

1965

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200												
0300												
0400												
0500												
0600				9 2	8 3		10 3	6 1				
0700			-1 3	12 2	10 3		12 3	10 1	9 3			
0800		4 3	4 3	14 3	14 3	18R 1	15 3	13 2	9 2	8 3		
0900	4 3	6 3	8 3	18 3	21 3	20R 1		17 2	13 2	9 3	2 3	2 3
1000	5 3	6 3	9 3	22 3	27 1	25 1		22 1	17 1	11 2	4 2	4 2
1100	10 3	11 3	13 3	24 3	23 1	24 1			24A 1	12 2	9 3	7 2
1200	10 3	13 3	13 3	24 3	27R 1	27 1			20 2	14 3	5 3	7 2
1300	13 3	16 3	11 3	25 3	27 1	28 1		21 1	20 1	12 3	7 3	8 2
1400	8 3	13 3	11 3	23 3	22R 1			22 2	16 2	12 3	8 3	11 3
1500	9 3	10 3	10 3	21 3	20 1	23 2		19 2	13 2	12 3	5 2	7 3
1600	4 3	8 3	6 3	16 3	18 2	16 3	19 2	16 2	13 2	8 3	3 3	0 3
1700	1 2	6 3	2 3	14 3	13 1	15 3	15 3	17 1	8 2	4 3	1 3	
1800		2 3	1 3	10 3	10 2	15 2		9 1	7 3	2 3	1 2	
1900			0 3	7 3	9 2	12 2		6 1	1 3	4 3		
2000			-1 3	4 3	3 3	6 2		1 2	3 3	3 1		
2100				3 3	1 3	6R 1	1 3	2 2				
2200												
2300												

Table Format: xxxxy
xx = decibels; y = median count

ALMA ATA
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 75 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0045	3 4	2 3	4 3	1 3	8 3	7 3	7 3	-2 2	7 3	1 2	2 3	1 3
0145	5 3	4 3	4 3	1 3	2 3	7 3	1 3	6 3	4 3	3 2	1 3	3 3
0245	4 2	2 3	4 3	2 3	7 3	6 3	1 3	7 3	7 3	3 2	2 3	5 3
0345	2 3	5 3	6 3	4 3	4 3	14 3	7 3	3 3	7 3	11 2	3 3	3 3
0445	5 3	3 3	9 3	3 3	6 3	19 3	8 2	13 2	1 3	4 3	3 3	4 3
0545	6 3	4 3	9 3	7 2	23 3	21 2	21 3	11 3	6 3	6 2	4 3	4 3
0645	4 3	5 3	13 2	19 3	15 3	23 3	22 3	23 2	16 1	9 2	5 3	4 3
0745	10 2	23R 2	15 3	17 3	26 3	32 3	25 3	24 3	18 3	12 2	15 3	10 3
0845	24 3	21 3	21 3	23 3	30 3	33 3	27 3	29 3	23 3	18 2	14 3	16 3
0945	25 3	21 3	27 3	27 3	32 3	37 3	28 3	31 3	28 2	17 3	17 3	17 3
1045	31 2	26 3	28 3	38 3	34 3	40 2	36 3	32 3	32 2	23 3	18 3	19 3
1145	31 3	29 3	30 3	39 3	37 3	46 3	37 3	33 3	33 3	23 3	19 3	24 3
1245	50S 2	27 3	27 4	32 2	31 3	43 1	32 3	31 3	30 2	18 3	22 3	23 3
1345	39 2	27 3	31 3	25 3	29 3	42 3	32 3	31 3	32 2	20 3	21 3	24 2
1445	39 3	22 3	27 3	22 3	27 2	41 3	31 3	23 3	22 2	11 3	15 3	20 3
1545	25 2	15 3	22 3	17 3	24 3	32 3	24 3	25 3	22 3	11 3	13 3	16 3
1645	9 2	6 3	15 3	14 3	23 3	31 3	22 3	19 3	34 1	9 3	7 3	2 3
1745	5 2	4 3	11 3	6 3	14 3	25 3	18 3	11 3	10 3	3 3	5 3	11 3
1845	3 3	8 3	5S 2	3 3	9 3	27 2	8 1	9 3	8 3	3 2	7 2	5 3
1945	4 3	5 2	7 3	5 3	7 3	14 3	14 3	7 3	12 2	8 3	7 3	2 3
2045	6 2	5 3	10 1	3 3	4 2	6 3	2 3	5 3	8 3	2 2	6 2	8 3
2145	4 3	5 3	10 2	4 2	9 2	24 3	6 3	8 3	9 3	6 3	1 3	2 3
2245	7F 3	4 3	2 3	3 3	5 2	13 2	1 3	7 3	2 3	8 2	2 3	4 3
2345	2 3	-1 2	7 2	1 3	4 3	12 3	7 3	6 3	5 2	2 2	3 3	9 3

Table Format: xxxxy
xx = decibels; y = median count

ALMA ATA
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 75 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN		FEB		MAR		APR		MAY		1965 JUNE		JULY		AUG		SEPT		OCT		NOV		DEC	
0045	7	3	6	3	5	2	8	3	5	3	4	2	14	3	1	3	-2	3	2	3	0	3	14	3
0145	5	2	7	3	5S	3	3	3	6	3	4	2	14	3	4	3	1	3	-2	3	2	3	13	3
0245	4	2	8	2	5	3	2	2	0	3	9	3	4	3	4	3	1	3	1	3	0	3	8	3
0345	4	2	4	3	3	3	4	3	9	3	1	3	6	3	8	3	-2	3	0	3	-1	3	6	3
0445	11	2	5	3	1	3	3	3	6	3	19	3	13	3	5	3	-3	3	0	3	1	3	4	3
0545	4	2	7	3	6S	3	19	3	19	2	24	2	19	3	16	3	7	3	1	3	0	3	9	3
0645	2	1	12	3	19	3	14	3	20	3	20	3	22	3	19	3	18	2	11	3	4	2	11	3
0745	8	2	21R	3	14	3	19	3	33	3	29	3	30	3	20	2	12	3	16	3	13	2	12	3
0845	24	2	21	3	17	3	24	3	30	3	28	3	24	3	25	3	20	3	10	3	14	3	19	3
0945	31	2	24	3	20	3	24	3	32	3	32	3	26	2	31	3	19	3	13	3	18	3	17	3
1045	33	3	22	3	26	3	29	3	33	3	36	3	30	3	31	3	21	3	20	3	18	3	16	3
1145	26	2	30	3	27	3	28	3	36	3	36	3	38	3	32	3	26	3	21	3	16	3	18	3
1245	29	3	33	3	22	3	30	3	38	3	40	3	42	2	34	3	29	3	22UR	3	17	3	20	3
1345	25	3	30	2	22	3	31	3	34	3	36	3	35	3	33	3	20	2	17	3	19	3	21	3
1445	30	3	25	3	24	3	26	3	34	3	35	3	34	3	23	3	13	3	14	3	18	3	14	3
1545	19	2	24	3	19	3	32	2	23	3	28	3	26R	3	26	3	13	3	19	3	8	3	10	3
1645	7	2	8	3	14	3	24	2	19	3	23	3	23	3	18	3	10	3	3	3	5	3	9	3
1745	1	1	8	2	2S	3	22	3	17	3	27	3	30	2	11	3	5	3	0	3	-1	3	10	3
1845	4	2	4	2	5S	3	5	3	7	1	21	3	15	3	9	3	1	3	6	3	2	3	8	2
1945	2	2	9	3	4S	2	7	3	5	3	13	3	8	3	6	2	0	2	3	3	8	3	0	3
2045	3	2	12	3	4S	2	9	3	8	3	10	2	14	2	5	2	6	3	2	3	3	3	4	2
2145	0	2	11	3	5	3	4	3	7	3	10	2	15	3	9	2	1	3	1	3	1	3	10	3
2245	-1	2	0	3	5	3	6	3	2	3	10	3	14	3	8	2	1	3	3	3	1	3	13	3
2345	6	2	7	2	4	3	4	3	7	3	12	2	14	3	0	2	-2	3	4	2	1	3	13	3

Table Format: xxxxy
xx = decibels; y = median count

ASHKHABAD
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 60 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0045		9 2	1 2	-1 2		5 2	3 3	5 2	7 1	0 3	2US3	7 1
0145		8 2	9 2	-4 2	13 2	8 2	3 3	-6US2	1S 2	2 3	6 3	6 2
0245		2 2	20 1	-4 1	12 1	1 2	4US3	0 1	6 1	5 3	8US2	4 2
0345		0 2	0 2	4 2	17 1		3US4	2 2	13UF2	2 4	1 3	3 3
0445		1 2	1 1	2 1		3 1	15US2	11 2	11US2	6 2	3 4	9 1
0545		2 2	0 1	-7 1	19 1	28 1	18 3	12 2	-1US1	-5 3	4 3	
0645		18 1	7 2	18 2		22 3	36 1	14 2	7 1	3 3	0 3	3 1
0745		0 1	15 1	19 2	28 2	16 3	13 2	19 3	13 2	16 1	13 3	13 1
0845		20 3	28 2	21 2	27 2	31 3	26 2	20 2	21 3	16 2	20 3	12 1
0945		25 2	9 3	19 1	32 2	30 3	32 2	23 2	21 3	23 3	20 3	19 1
1045		33 3	30B 2	25 2	26 2	31 3	32 2	28 2	28 3	20 3	26 1	21 2
1145		39 2	25 2	28 2	34 1	33 3	33 3	26 3	25 3	26 1	22 3	24 3
1245		25 3	51 1	22 2	30 2	35 3	35 3	28US2	21 3	30 1	18 1	23 3
1345		31 3	43 3	24 2	29 2	35 3	32 3	27 2	18 2	20 1	24 2	27 3
1445		23 3	45 3		25 2	30 3	38 3	26 2	18 2	21 3	16 3	27 3
1545		20 3	20 3	30 1	20 2	25 2	26 2	24 3	20 2	16 3	15UR3	14 3
1645		13 2	38 3	12 1	14 2	22 2	27 3	18 3	7US2	7 2	2US1	16 3
1745		1 2	9 3	13 2	15 2	12 2	22 3	24US3	10 3	14 2	-2US2	-4 3
1845		-1 2	23 3	10 2		6 3	8 6	-1S 3	7 3	-5 2	4US3	10 3
1945		0 1	11 3	9 2	16 2	-4 2	0 3	0 2	7 3	7 3	10US2	3 2
2045		-3 2	1 2	12 2	0 1	-1 3	-1 3	1US3	7S 3	-1 3	2 3	8 3
2145		3 2	6 3	8 2	8 1	-4 2	3 3		2US2	-5 3	3 3	6 2
2245		-2 2	8 2		4 1	-2 2	4 3	-1 2	7 3	0 3	2US3	14 1
2345			3 3	6 2	11 1	-8 2	2 1	-2 2	4US3	0 3	-3US3	10 2

Table Format: xxxxy
xx = decibels; y = median count

ASHKHABAD
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 60 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0045	3 3	1 1	0 1	1 3	2 1	1 2	-10 3	-10UF1		5 3	10 2	6 3
0145	-1 2	5 2	-1 1	-2 2	1 1	0 2	-7 3	-4 2		8 2	5 2	8 3
0245	4 3	2 3	-1 2			3 2	-12 2	-7 2		6 3	11 3	-2 3
0345	2 3	2 2	7 4	14 3	3 1	10 2	11 3	-9 3		4 3	2 4	9 3
0445	4 2	3 3	4 2	7 1	13 2	2 1	-3 2	-7 2		5US2	5 3	10 2
0545	8 3	5 3	10 2	14 2	17 1	17 1	4 2	14 2		3 2	1 3	3 3
0645	8 3	-5 3	10 2	24 1	15 1	13 1	7US2	13UR2		7 2	4 2	10 3
0745	11 2	11 1	15 2	25 3	16 2	14 1	18 3	10 2		19 2	23 3	7 3
0845		12 2	14 3	21 3	22 3	15 1	22US3	12 1			13 3	15 3
0945	21 2	24 1	21 3	28 2	21 2	7 2	23US3	21 2		29 1	11 3	12 3
1045	18 2		27 2	27 3	25US2	20 1	26 3	22 2			21 2	15 3
1145	22 2	25 1	23 3	29 2	20 3	21 3	27 2	29 2		44 1	13 2	20 3
1245	26 3	27 1	34 1	30 2	27 3	19 2	27 2	27 2		31 1	16 2	34 3
1345	25 3	27 2	18 3	26 3	23 2	14 3	26 3	23 2		17 2	21 3	22 3
1445	24 2	19 2	24 1	24US2	21 1	11 3	22 3	13 2		21 3	6 3	17 2
1545	15 2	16 1	12 1	26 2	25 1	15 3	20 3	9 1		15 3	3 2	6 3
1645	9 2	14 2	13 1	22 3	16US2	14 3	22 3	14 3		16 3	11 2	5 2
1745	8 3	16 2	13 2	14US1	21US1	10 3	2 3	19 3		13 3	8 2	9 3
1845	10 2	1 2	-2 1	12 3	4US1	17US3	15US2	-2 2		-3 3	2 2	-1 3
1945	1 2	-2 2	8 3	15 1	11US1	9 3	6 3	2 1		8 3	-1 3	4 3
2045	6 3	3 2	4 3		2 1	0 3	13 3	6UH2		0 3	-7 3	7 3
2145	0 2	2 2	0 2	11 1	11US1	5 2	9 3	6 2		2 3	17 2	10 3
2245	1 3		-2 3	8 2		8 2	-12 3	-11 2		10 3	2 3	9 2
2345	2 3	0 2	4 2	7 2		6 3	-10 3	-6 2		7US3	5 3	3 3

Table Format: xxxxy
xx = decibels; y = median count

ASHKHABAD
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 60 EMT UNITS 1.0 DB FREQUENCY 3.0 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000		-3 2	10 2	-1 2	10 1	-2 2	10US1	-3 3	2 3	3UH3	0US3	9 2
0100		4 2	1 3	-1 2	8 1	-3 1	2 3	6UF2	3 1	5 3	2 3	12 2
0200		6 2	3 1	-1 2	13 1	0 1	3 3	-4 1	3 2	5 3	2 3	12 2
0300		0 1	-5 1	-1 1	19 1	-1 2	3US3	-2UF2	3 1	3 3	-1US2	11 2
0400		3 2	5 1	8 1	5 1	-4 1	4 3	-3 1	3UF2	4 3	1 2	1 1
0500		4 2	1 1	-10 1	13 1	-8 1	15US3	0 2	13US1	6UR2	1 3	7 1
0600		4 2	2 2	4 2	17 1	22 2	19 2	6 2	9US3	2 3	4 2	10 1
0700		6 1	4 2	30 1	32 1	5 2	24 2	16 1	13 2	9US2	6 3	2 1
0800		-15 1	6 1	17 2	24 2	21 3	40US1	11 3	19 3	16 2	14 2	15 1
0900		22 3	32 2	33 2	34 2	41 3	31 1	23 2	10UF2	22 1	16 2	15 1
1000		33 3	35R 3	32 2	39 2	28 3	27 1	20 3	15UF2	30US2	22UR2	27 2
1100		29 3	41 1	28 1	25 1	33 2	27 3	19 3	18US3	23US2	26 2	27UR2
1200		29 2	11 1	30 2	33 2	25 3	28 3	21 1	18 1	24 2	24UR3	31UR1
1300		21 1	53B 1	31 2	32 2	33 2	27 3	18US1	16 2	37UB2	23 2	24UR2
1400		27 3	36R 3	21 2	26 2	40 3	28 3	19 3	20 3		33 1	23UR3
1500		26 3	38R 3	25 1	25 2	39 1	28 3	24US2	10 2	16 3	16 2	24UR3
1600		18 2	20 3	27 2	27 2	23 2	30 3	17 3	6 3	6US3	16 1	17 2
1700		11 2	5 3	23 1	17 2	20 2	15 2	25 1	9 3	-4 3	7US3	11 2
1800		12 1	3 3	13 1	14 2	6 2	6 2	15US3	2 2	9 3	7 3	13 2
1900		0 2	11 3		15 2	-5 2	6US3	-3 3	12US2	2 2	3US1	8 3
2000		1 2	12 3	13S 2	14 3	-3 2	2 3	1 1	5 3	1 3	6 2	8 2
2100		-5 2	6 3	7 2	-4 1	-8 3	1 3	0 2	2 3	7 3	0US3	8 3
2200		0 2	6 3	6 2		-5 3	2US2	0 3	0 2	8 2	5US2	4 1
2300		4 2	-5 3	-3 2	4 1	4 3	-1US1	6US2	4 2	6 3	2US2	15 2

Table Format: xxxxy
xx = decibels; y = median count

ASHKHABAD
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 60 EMT UNITS 1.0 DB FREQUENCY 3.0 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	1 3	5 1	-1 2	11 2		1 2	9 3	-13 2		7 3	10 3	-1 3
0100	5 3	1 1	-2 1	6 3	5 1	2 2	-19 3	-16 2		2 3	-2 3	8 3
0200	7 3	1 1	-1 1	6 2	7 1	-4 1	-16 3	-9 2		5 3	0 3	6 3
0300	2 2	2 2	5 3	8 2		11 2	-14 2	2 2		3 3	-5 3	4 3
0400	5 3	1 2	8 2	5 3	8 1	12 1	-12SF2	-9 2		5 3	2 3	13 3
0500	6 1	3 2	8 2	9 2	7 1	0 1	0 1	3 2		-8 2	0 3	-4 2
0600	0 2	-2 1	1 2	10 2	11 2	11 1	5 3	13 2		3 2	-1 3	6 3
0700	2 3	-2 2	16 1	17 3	18 1	13 1	10 3	-3 1		7 2	11 3	3 3
0800	7 2	-2 3	27 1	21UR2	17 1	23 1	7 3	13 2			11 3	12 3
0900	13 2	11 1	27 1	23 2	22 3	26 1	13 3	19 2		22 1	10 2	10 2
1000		24 3	33UB2	25 3	27 3	20 2	17 3	18 2		26 1	28 3	14 2
1100		16 2	23 1	22 3	23 2	23 2	20 2	24 2		35 1	24 2	27 2
1200	22 3	17 2	23 1	25 2	20 2	14 1	22 3	21 2		35 1	19 3	16 2
1300	25 2	20 1	25 3	23 2	22 3	18 2	21 3	21 1		37 1	22 3	19 1
1400	16 1	18 1	31 1	24 2	26 2	18 2	22 3	27 2		5 3	16 3	11 3
1500	21 1	7 1	14UR2	19 3	18 1	20 3	13 3	18 2		11 3	8 2	10 2
1600	12 2	27 2	14 2	18 3	18UF2	14 3	16 3	28 1		4 3	7 1	4 3
1700	7 3	7 3	14 2	14 2		15UR3	1 3	22 2		10US3	1 2	11 3
1800	6 3	-4 3	9 2	8 2	11 1	11 3	4 3	-8 1		4 3	9 2	5 2
1900	4 2	4 3	9 1	6 2	8 1	4 3	-6 3	11 1		8 3	1 1	4 3
2000	2 3	5 1	-1 1	9 1	5 1	6 3	-2 3	6UF2		-1 3	10US2	4 3
2100	3 2	6 3	3 1	9 1	-6US1	0 1	7 3	7UF2		6 3	2 3	12 3
2200	4 2	4 2	2 2			4 3	2 3	-10 2		4 3	-2 2	0 2
2300	4 3	-1 2	-3 2	8 1		1 2	4 3	-9 2		0 3	0 3	-2 3

Table Format: xx yy
xx = decibels; yy = median count

BAKER LAKE
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

1959

	JAN	FEE	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	14 30	14 25										
0100	13 30	13 23										
0200	11 30	12 19										
0300	13 30	16 22										
0400	18 30	14 20										
0500	17 30	13 21										
0600	20 30	19 20										
0700	24 30	22 19										
0800	20 29	28 19										
0900	25 29	B 16										
1000	30 26	B 15										
1100	38 22	DB 12										
1200	43 21	DB 12										
1300	49 23	DB 14										
1400	42 23	DB 15										
1500	30 26	B 10										
1600	24 30	49 12										
1700	16 30	30 22										
1800	16 30	25 22										
1900	16 30	19 22										
2000	12 31	14 23										
2100	12 30	14 24										
2200	10 29	13 25										
2300	11 30	14 24										

Table Format: xx yy
xx = decibels; yy = median count

CHURCHILL
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	JAN	FEB	MAR	APR	MAY	1959 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	17 31	14 28	14 31			21 30	18 27	14 29		16 27	12 30	25 31
0100	18 31	14 27	17 31			17 29	19 28	14 28		22 30	14 30	23 31
0200	18 31	20 28	18 31			22 30	16 28	20 31		29 31	16 30	24 30
0300	23 30	20 28	18 31			36 28	25 30	18 29		29 28	19 29	28 28
0400	20 30	20 28	14 31			34 28	30 30	20 31		28 30	21 30	28 30
0500	20 31	26 28	12 31			37 28	34 31	28 31		28 30	24 30	32 31
0600	22 31	33 28	17 31			38 30	35 31	31 31		26 31	31 28	35 31
0700	30 31	40 28	24 31			38 30	46 31	32 31		41 30	37 28	48 31
0800	26 31	50 28	34 31			44 29	46 30	38 31		45 29	36 29	43 31
0900	36 31	B 28	38 31			44 28	46 31	39 31		51 30	43 30	DB 31
1000	43 31	DB 28	43 31			46 28	DB 31	43 31		50 30	DB 30	DB 31
1100	DB 31	DB 27	51 31			50 30	51 30	50 30		B 30	DB 30	DB 31
1200	DB 31	DB 28	50 30			48 30	B 31	47 29		DB 30	DB 30	DB 31
1300	DB 31	DB 28	DB 31			48 30	DB 29	50 30		54 30	DB 30	DB 31
1400	DB 30	DB 28	41 31			45 30	DB 29	45 29		52 29	DB 30	DB 31
1500	38 30	B 28	37 31			45 29	B 30	42 29		44 26	46 30	B 30
1600	22 31	46 26	34 31			44 27	47 29	41 29		40 26	26 30	26 29
1700	19 31	31 27	30 31			41 27	42 30	35 29		24 28	14 30	29 31
1800	19 31	20 27	15 31			38 27	38 30	36 30		17 27	12 30	22 30
1900	14 31	20 28	11 31			36 27	38 30	25 31		15 29	11 30	21 31
2000	16 31	16 28	9 31			27 27	30 31	21 30		15 29	12 30	19 30
2100	10 31	14 28	9 31			26 28	36 29	15 29		19 27	11 29	14 31
2200	12 31	12 28	5 31			24 29	21 27	16 30		22 26	10 27	16 30
2300	13 31	17 28	5 31			21 29	28 29	12 29		15 29	12 29	20 30

Table Format: xxxxy
xx = decibels; y = median count

COLOMBO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 82.5 EMT UNITS 1.0 DB FREQUENCY * MHz

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030												
0130												
0230												
0330												
0430												
0530												
0630												
0730	R 3	R 3	R 3	R 3	R 3	R 3	17 3	14 3	16 3	21 3	15 2	14 2
0830	14R 3	18 3	19 3	19 3	16 3	18 2	19 3	20 3	21 3	25 3	19 3	22 3
0930	20 3	25 3	25 3	25 3	24 3	21 3	25 3	26 3	32 2	35 3	25 3	26 3
1030	24 3	29 3	30 3	29 3	26 3	25 3	31 3	33 3	33 3	40 3	31 3	25 3
1130	28 3	32 3	33 3	32 3	30 3	25 3	35 3	37 3	38 3	44 3	33 3	32 3
1230	32 3	32 2	34 3	33 3	31 3	26 3	34 2	38 3	37 3	43 3	35 3	32 3
1330	33 3	31 2	36 3	32 2	31 3	27 3	30 3	37 3	37 3	39 3	35 3	30 3
1430	29 3	28 3	38 3	31 3	30 3	26 3	35 3	36 3	34 3	36 3	31 3	26 3
1530	22 3	21 3	29 3	28 3	26 3	31 3	26 3	26 3	27 3	33 3	28 3	20 3
1630	R 3	17 3	25 3	R 3	12 3	R 3	17 3	23 3	22 3	20 3	20 3	16 3
1730												
1830												
1930												
2030												
2130												
2230												
2330												

* Sampling frequency is 2.6 MHz for January - June
2.0 MHz for July - December

Table Format: xxxxy
xx = decibels; y = median count

COLOMBO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 82.5 EMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030												
0130												
0230												
0330												
0430												
0530												
0630												
0730	12 3	13 2	15 3	17 2	23 2	19 3	14 3	15 3	20 2	16 2	14 1	13 2
0830	17 3	17 2	22 3	24 3	29 2	21 3	20 3	21 3	27 3	25 3	24 3	18 3
0930	29 3	24 2	30 3	32 3	34 3	26 3	28 3	27 3	31 3	30 1	29 3	23 3
1030	33 3	30 2	37 3	38 3	38 3	32 3	30 3	34 3	36 3	36 3	35 3	29 3
1130	33 3	38 2	39 3	41 3	45 3	38 3	33 3	38 3	41 3	39 3	36 3	33 3
1230	34 3	42 3	40 3	41 3	42 3	39 3	35 3	41 3	41 3	38 2	37 3	33 3
1330	32 3	40 2	40 3	41 3	40 3	37 3	34 3	40 3	40 3	40 3	36 3	32 1
1430	25 3	40 2	38 3	34 3	37 3	37 3	30 3	34 2	40 2	39 3	34 3	25 3
1530	22 3	34 2	35 3	33 3	32 3	29 3	27 3	29 3	34 3	33 3	28 3	21 3
1630	16 2	30 2	24 3	28 3	23 3	16 3	22 3	20 3	33 2	25 3	22 3	19 3
1730		18 2	17 3		R 3	25 3	9 3	22 3	R 2	R 2	R 3	
1830												
1930												
2030												
2130												
2230												
2330												

Table Format: xx yy
xx = decibels; yy = median count

COLOMBO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 82.5 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN		FEB		MAR		APR		MAY		1964 JUNE		JULY		AUG		SEPT		OCT		NOV		DEC	
0030																								
0130																								
0230																								
0330																								
0430																								
0530																								
0630																								
0730	5	3	9	3	12	3	13	3	10	2	15	3	13	3	12	3	14	2	17	3	14	2	10	2
0830	16	3	19	3	18	3	19	3	17	3	19	3	16	3	17	3	18	3	23	3	13	3	18	3
0930	20	3	23	3	24	3	24	3	22	3	22	3	20	3	22	3	23	3	28	3	20	3	19	3
1030	26	3	31	3	32	3	30	3	29	3	25	3	27	3	27	3	31	2	33	3	23	3	21	3
1130	31	3	34	3	37	3	35	3	33	3	29	3	31	3	32	3	32	3	37	3	27	3	27	3
1230	35	3	36	3	38	3	36	3	34	3	27	3	34	3	33	3	33	3	37	3	29	3	29	3
1330	40	3	35	2	39	3	38	2	36	3	31	3	31	3	33	3	32	3	35	3	29	3	26	3
1430	32	3	32	3	40	3	35	3	37	3	29	3	31	3	33	3	28	3	32	3	25	3	21	3
1530	25	3	27	3	37	3	32	3	31	3	32	3	18	3	24	3	23	3	28	3	20	3	18	3
1630	25	3	18	3	26	3	23	3	13	3	23	3	20	3	21	3	17	3	20	3	17	3	12	3
1730																								
1830																								
1930																								
2030																								
2130																								
2230																								
2330																								

Table Format: xxxxy
xx = decibels; y = median count

COLOMBO
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 82.5 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	1965											
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030												
0130												
0230												
0330												
0430												
0530												
0630												
0730	5 3	8 2	11 3	12 2	19 1	17 3	11 3	11 3	15 1	13 1	12 1	
0830	15 3	16 2	16 3	18 3	23 2	18 3	16 3	16 3	23 3	20 3	19 3	14 3
0930	23 3	20 2	24 3	27 3	27 3	21 3	21 3	24 3	28 3	24 1	24 3	20 3
1030	26 3	25 2	31 3	31 3	33 3	29 3	24 3	28 3	33 2	31 3	30 3	24 3
1130	30 2	32 2	34 3	35 3	41 3	32 3	28 3	32 3	35 3	34 3	31 3	28 3
1230	31 3	35 3	34 3	36 3	36 3	34 3	31 3	34 3	37 3	35 3	33 3	29 3
1330	27 3	36 2	35 3	36 3	35 3	36 3	30 3	34 3	36 3	36 3	32 3	27 1
1430	23 3	36 2	32 3	29 3	33 3	31 3	26 3	30 2	35 2	34 3	29 3	23 3
1530	19 3	32 2	30 3	24 3	29 3	28 3	24 3	25 3	34 3	29 3	29 3	18 3
1630	13 2	22 2	21 3	26 3	17 3	16 3	20 3	18 3	34 1	20 2	24 3	16 3
1730		14 2	15 3		R 3	21 3	10 3	R 3	31R 2	R 2	R 3	
1830												
1930												
2030												
2130												
2230												
2330												

Table Format: xx yy
xx = decibels; yy = median count

DE BILT
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 2.3 MHZ

1964

	JAN		FEB		MAR		APR		MAY		JUNE		JULY		AUG		SEPT		OCT		NOV		DEC	
0045																								
0145																								
0245									3	1	4	4	1	4										
0345							8	3	7	4	5	4	5	5	2	3								
0445					7	2	6	5	9	4	8	4	9	5	11	3	6	5						
0545			6	1	7	4	14	5	15	4	14	4	12	5	14	3	6	5	5	4	6	1		
0645	6	5	3	4	16	4	15	5	21	4	19	4	20	5	19	4	11	5	8	4	2	4	2	5
0745	6	5	8	4	23	4	18	5	23	4	23	4	20	5	16	4	18	5	16	4	8	4	3	5
0845	12	5	16	4	26	3	23	5	25	4	24	4	26	5	21	4	19	5	20	4	14	4	12	4
0945	17	5	20	4	22	4	23	5	25	4	27	4	25	5	22	4	23	5	16	4	15	4	14	5
1045	22	5	21	4	24	4	24	5	27	4	31	4	28	5	25	4	26	5	17	4	20	4	17	5
1145	24	5	21	4	30	4	21	5	25	4	31	4	32	5	30	4	25	5	20	4	18	4	16	5
1245	21	5	21	4	28	3	28	5	25	4	27	4	29	5	25	4	26	5	20	4	14	4	16	5
1345	26	5	21	4	25	4	27	5	22	4	23	4	28	5	24	4	18	5	19	4	28	4	12	5
1445	19	5	18	4	23	4	23	5	24	4	22	4	21	5	21	4	15	5	22	4	15	4	12	5
1545	11	5	14	4	24	4	19	5	18	4	19	4	21	5	19	4	15	5	11	4	4	4	6	5
1645	3	5	4	4	12	4	25	5	22	4	17	4	15	5	17	4	10	5	9	4	5	4	8	5
1745	2	3	2	4	4	4	9	5	13	4	13	4	11	5	8	4	6	5	6	4	7	4		
1845			3	2	4	4	4	5	9	4	7	4	8	5	6	4	5	5	5	1				
1945					0	1	3	5	7	4	4	4	6	5	5	4	2	3						
2045							3	5	1	4	4	4	2	5	4	3								
2145											-1	3	2	3										
2245																								
2345																								

Table Format: xx yy
xx = decibels; yy = median count

DE BILT
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 2.3 MHZ

1965

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0045												
0145												
0245					0 2	1 5	0 3					
0345				4 3	4 4	3 5	5 4	6 4				
0445			1 3	2 4	7 4	8 5	10 4	8 4	9 5			
0545		8 1	2 5	11 4	15 4	17 5	12 4	6 4	7 5	3 4		
0645	1 4	5 4	8 5	13 4	21 4	24 5	20 4	16 4	9 5	6 4	2 4	6 3
0745	4 4	7 4	12 5	13 4	23 4	22 4	21 4	18 4	15 5	14 4	9 4	4 5
0845	13 4	14 4	17 5	18 4	23 4	22 5	25 3	21 4	20 5	15 4	9 4	11 5
0945	16 4	19 4	19 5	21 4	25 4	24 5	26 4	25 4	20 5	14 4	11 4	18 5
1045	18 4	18 4	16 5	19 4	26 4	28 5	29 4	30 4	22 5	15 4	12 4	22 5
1145	21 4	19 4	15 5	20 4	24 4	29 5	29 4	26 4	22 5	16 4	15 4	23 5
1245	23 4	21 4	20 5	18 4	27 4	30 5	28 4	27 4	21 5	16 4	14 4	27 5
1345	23 4	23 4	16 5	15 4	21 4	29 5	27 4	21 4	16 5	18 4	19 4	19 5
1445	16 4	17 4	19 5	16 4	20 4	22 5	28 4	20 4	16 5	16 4	10 4	8 5
1545	8 4	14 4	14 4	14 4	16 4	22 5	19 4	19 4	13 5	7 4	8 4	2 5
1645	4 4	7 4	10 5	17 4	17 4	16 5	19 4	20 4	11 5	4 4	4 4	0 1
1745	1 3	4 4	2 5	6 4	10 4	10 5	14 4	11 4	6 5	5 4	7 2	
1845		1 1	0 5	8 4	10 4	8 5	8 4	6 4	4 5	7 1		
1945			0 2	0 4	1 4	6 5	5 4	5 4	-1 3			
2045				20 1	4 4	0 5	9 4	0 3				
2145						1 3	7 2					
2245												
2345												

Table Format: xxxxy
xx = decibels; y = median count

DE BILT
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 3.2 MHZ

1964

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0005												
0105												
0205												
0305					5 4	6 4	0 4	-4 1				
0405				4 1	12 4	7 4	8 5	4 3	-5 2			
0505			6 2	8 5	10 4	14 4	10 5	8 3	8 5	24 2		
0605		11 1	6 4	11 5	12 4	14 4	12 5	17 3	7 5	6 4	R 3	
0705	2 4	3 4	12 4	13 5	19 4	16 4	14 5	13 4	13 5	5 4	2 4	-1 5
0805	8 5	11 4	14 4	15 5	21 4	16 4	14 5	13 4	13 5	12 4	8 4	-3 4
0905	12 5	12 4	19 4	22 5	30 4	18 4	18 5	18 4	14 5	13 4	12 4	6 4
1005	16 5	17 4	21 4	28 5	26 4	21 4	18 5	22 4	18 5	12 4	13 4	8 5
1105	14 5	18 4	26 4	25 5	35 4	23 4	22 5	23 4	15 5	15 4	15 4	10 5
1205	17 5	18 4	27 4	29 5	28 4	21 4	29 5	24 4	20 5	16 4	13 4	12 5
1305	15 5	17 4	29 4	27 5	31 4	18 4	19 5	27 4	18 5	16 4	10 4	10 5
1405	12 5	13 4	20 4	22 5	24 4	17 4	26 5	18 4	18 5	13 4	8 4	9 5
1505	8 5	12 4	19 4	19 5	18 4	15 4	21 5	18 4	13 5	10 4	6 4	6 5
1605	6 5	7 4	12 3	15 5	15 4	18 4	13 5	13 4	10 5	7 4	2 4	3 5
1705	4 5	2 4	8 4	9 5	14 4	14 4	10 5	10 4	7 5	5 4	4 3	5 5
1805	8 2	-1 4	5 4	6 5	9 4	12 4	6 5	9 4	2 5	3 4		
1905		4 1	2 4	3 5	7 4	6 4	8 5	6 4	3 5			
2005				4 5	0 4	3 4	3 5	-2 4	4 2			
2105					1 4	-1 4	0 5	-3 2				
2205												
2305												

Table Format: xx yy

xx = decibels; yy = median count

DE BILT
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 0 EMT UNITS 1.0 DB FREQUENCY 3.2 MHZ

1965

	JAN		FEB		MAR		APR		MAY		JUNE		JULY		AUG		SEPT		OCT		NOV		DEC	
0005																								
0105																								
0205																								
0305									0	4	3	5	2	4	-4	1								
0405							4	4	5	4	6	5	9	4	6	4	4	2						
0505					1	3	6	4	20	3	19	5	11	4	6	4	11	5	2	2				
0605					4	5	7	4	11	4	10	5	11	4	13	4	11	5	2	3	-2	3		
0705	-2	4	2	3	8	5	9	4	14	4	15	4	12	4	11	4	10	5	6	4	4	4	5	5
0805	5	4	7	4	11	5	16	4	15	4	16	5	16	3	14	4	13	5	10	4	7	4	7	5
0905	11	4	10	4	13	5	17	4	22	4	19	5	20	4	15	4	21	5	12	4	10	4	9	5
1005	12	4	15	4	15	5	24	4	30	4	22	5	30	4	17	4	15	5	15	4	12	4	12	4
1105	13	3	19	4	23	5	22	4	33	4	24	5	30	4	21	4	16	5	16	4	12	4	12	5
1205	14	3	18	4	23	5	33	4	25	3	23	5	25	4	25	4	21	5	14	4	13	4	16	5
1305	15	4	14	4	18	5	28	4	40	4	22	5	21	4	27	4	18	5	17	4	13	4	13	5
1405	12	4	13	4	15	5	20	4	27	4	33	5	18	4	26	4	21	5	13	4	10	4	9	5
1505	11	4	10	4	10	5	15	4	15	4	22	5	24	4	18	4	12	5	12	4	7	4	5	5
1605	7	4	7	4	8	5	11	4	11	4	17	5	16	4	12	4	11	5	7	4	4	4	2	4
1705	1	4	4	4	5	5	5	4	10	4	13	5	16	4	9	4	6	5	2	4	7	4	2	2
1805	8	1	4	4	1	5	5	4	9	4	7	5	12	4	13	4	2	5	3	4				
1905					1	5	-1	4	4	4	8	5	11	4	6	4	2	5						
2005					-3	1	0	4	-4	4	2	5	5	4	3	4	-4	2						
2105									-3	4	-3	5	-1	4	-2	2								
2205																								
2305																								

Table Format: xxxxy
xx = decibels; y = median count

DIXON
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 105 EMT UNITS 1.0 DB FREQUENCY 1.98 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0045 0145	12U 1	B 3	22F 2	19F 3		14R 2	22 3	36 3	14AF1	B 2		43 3
0245 0345												
0445 0545	29US1	23U 2	R 2	26S 3		16RF2	20 3	25 3	34F 3	24 1		32 2
0645 0745		B 2	10 2	R 3		24U 2	18 3	30UR3	11FR2	62DB2		22US1
0845 0945												
1045 1145	27AF1	15 3	R 3	31 3		33 3	24 3	32 2	B 2	B 3		37DB2
1310	1F 1	R 3	29R 2	B 2		33 3	27 3	29 2	39 3	B 3		32US2
1355	10F 1	35 3	30SR2	B 2		24 3	29 3	28SF1	B 3	26UR2		29DB3
1440 1545	3F 1	34 3	45DB1	56 1		28 3	31 3	34 2	B 3	26DB2		27 3
1630 1745	24F 1	15U 3	R 3	17 3		52DB3	25F 3	24 3	16UR3	25DB2		32DB3
1845 1945	11F 1	24 3	11 3	34 3		32 2	25F 3	26F 2	14U 3	9 1		26 3
2045 2145												
2245 2345	24F 1	29F 3	12UR3	18 3		41R 2	R 2	18F 3	32R 2	33 2		22DB2

Table Format: xxxxy
xx = decibels; y = median count

DIXON
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 105 EMT UNITS 1.0 DB FREQUENCY 1.98 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0045												
0145		36A 3	40DB3	40DB2	42 3	38B 2	13 3	18AF2	31AF2	29AF2	18RF2	16F 1
0245												
0345												
0445		28RS3	31 3	34DB2	16SF2	B 2	20 3	23 3	R 3	24UF2	25UR2	33 1
0545												
0645												
0745	R 1	35 3	16 3	R 3	29F 3	31 2	36 3	41 3	B 3	4F 3	R 1	28U 2
0845												
0945												
1045	17 1	43 3	R 3	B 3	33 3	39 3	38 2	47 3	54 3	7RF2	5U 3	
1145												
1310	8 1	B 3	31R 3	B 3	40 3	B 3	38 3	46UC3	63 3	R 2	5AB2	4 3
1340	6 1	R 3	32R 3	B 3	38 3	43 3	34 3	51 3	50 2	R 3	25 2	12 3
1440	22 1	30R 3	36R 3	39 3	28 3	38 3	39 3	52 3	55 3	R 3	32A 2	6 3
1545												
1645		20 3	R 3	35 3	26 3	34 3	29 3	32 3	49 3	10 3	11S 3	
1745												
1845												
1945		10AF2	9 3		26A 2		23U 3	20 3	35AR3	15F 2	12 3	28 1
2045												
2145												
2245		36DB3	19F 3	R 3	R 3	34 3	33 3	16F 3	49DB1	28DB3	16UF2	20UF2
2345												

Table Format: xxxxy
xx = decibels; y = median count

DIXON
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 105 EMT UNITS 1.0 DB FREQUENCY 3.2 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200		B 3		31FS2		12U 2	21AR2	32 3	10FR2	44FB2		16 2
0300												
0400												
0500		34B 2		R 1		R 2	21 3	22AF2	27SF2	65DB1		
0600												
0700												
0800	R 1	B 2	R 3	23S 3		14U 2	14A 3	16 3	R 3	B 2		
0900												
1000												
1100		8 3	24 2	18 3		34RA3	19RA2	20 2	13B 2	B 3		B 1
1200												
1325	0 1	20 3	22 2	40 2		30AR2	28UA2	16 2	24 3	31 3		B 1
1410	0 1	13 3	12R 2	30UR2		26R 3	R 3	14 2	22R 3	22DB2		R 2
1455		11 3	33R 3	26UR1		R 3	R 3	8 1	35 3	32DB2		R 2
1600												
1700	26AF1	7 3	19 3	14 3		42UR3	19AR3	26DB2	22 3	R 1		14F 1
1800												
1900												
2000	9AF1		5 3	27 3		18 3	17A 3	16U 2	R 3	B 1		35FA1
2100												
2200												
2300		12F 1	19UF1	26S 2		20UR2	11UA3	32 1	R 2	50US1		40SB2

Table Format: xxxxy
xx = decibels; y = median count

DIXON
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 105 EMT UNITS 1.0 DB FREQUENCY 3.2 MHZ

1965

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200		28A 2	19DB2	32 1	21UC2	40 2	3R 2	5A 3		24US1	32US1	14UC1
0300												
0400												
0500		20 1	18FS2	19DB3	R 1	B 1	21 3	26 3	54S 2	19AF1	20S 1	17S 1
0600												
0700												
0800		40 2	R 3	27R 2	18 2	14 2	28F 3	38 3	51 3		49US1	28UG1
0900												
1000												
1100	35US1	28 3	10 3	B 3	17R 3	39 3	31UR3	36 3	42 3	8S 2	R 2	
1200												
1325	4UF1	23 3	12 3	44DB3	24R 3	50DB3	29 3	14B 2	39 3	6 2	26S 2	R 1
1410		22 3	14 3	22 2	26R 3	26R 2	36UR2	32 2	40 2	10 3	10 2	R 1
1455		26 3	12 3	18 3	22R 3	19UR3	39R 1	24 3	39 3	10 2	22S 2	
1600												
1700		12 3	10 2	18 3	23 3	16FR2	28U 3	13A 3	36 3	8 3	R 2	B 1
1800												
1900												
2000			8U 2	10 1	12 2		16AF3	13 3	23U 3	R 2	17R 2	B 1
2100												
2200												
2300		B 2	R 1	24 3	11U 3	23 3	6S 2	16AF2	38 1	R 1	R 1	

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 0.83 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000					7N25	13 23	7F17	9F10				
0100					5N24	11N23	10N16	9N 9				
0200					8F24	11N20	10N11	11F11				
0300					6N24	6N21	17N13	11EN9				
0400					6N23	10N22	14N13	10N08				
0500					8N23	16N22	18N12	10N 8				
0600					10N23	17 23	22N13	10F 8				
0700					16N23	14 22	16F14	13F 2				
0800					10N17	16 23	21 11					
0900					13 15	19 26	18 11					
1000					9 7	17 22	18F10					
1100					8 3	15 18	19F 6	50 1				
1200					14 19	26 30	32F10					
1300					14 19	25 30	23F10					
1400					16F 2	18 14	25 6					
1500					28F 8	16 19	14F 7					
1600					14F18	19 23	21 9	28F 1				
1700					13 22	15 21	16F11	22 1				
1800					13N26	15 23	14F12	14UF2				
1900					10 29	10N23	19F14	7UF8				
2000					9N30	9 24	19F14	8F11				
2100					9N31	12N24	14F13	4F 9				
2200					7F30	10 23	12 15	9F11				
2300					8F26	13 22	12F18	10N09				

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 1.2 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000								10 10	4N24	10F 6		
0100								11F11	5N25	14FF5		
0200								9 6	7N24	12FF6		
0300								9 7	10N23	23 6		
0400								12 10	11N25	25 2		
0500								13 8	14N26	30 2		
0600								14 15	20F18	29 3		
0700								8 15	31F11	27 2		
0800								7 17	35F11	34 2		
0900								12F15	40UF4	42 4		
1000								15 12	31UF1	33DB2		
1100								22 14	36 2	36DB2		
1200								22 11	39 25	58 24		
1300								28 14	43 27	55 24		
1400								19 11		26 1		
1500								11 10		36 1		
1600								12F12	45 1	31 1		
1700								11 11	8 1	40 1		
1800								12 15	33N 2	26 5		
1900								14 12	45 5	57 3		
2000								15F12	14N 6	15DB4		
2100								19 4	10N18	14F 3		
2200								15 4	14F23	12UF5		
2300								12F 3	7N29	13F 6		

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 1.0 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000							10F12	11N16	9 24	5 2		19 13
0100							12N10	9N20	11N27	15 2	14F 1	19 11
0200							15N12	7N18	10 24	20 2	20 1	16 11
0300							18N11	14N18	13 23	13 2	20 2	19 13
0400							23N12	12N18	13N17	26 2	16 2	18 13
0500							14 13	11N20	11 16		21 4	19 14
0600							18N13	10N21	11 9	21 2	35 2	20 9
0700							11N14	11F27	13 4	29 2		21 9
0800							10N14	9F25	37 3	29 2		25 6
0900							8 16	8 23	37 24	32 21	29 27	25 30
1000							10 16	12 13		32 24	31 29	27 31
1100							10 15	16 6				
1200							12 21	40 30	52 25	40 22	32 30	28 31
1300							14 21	33 29	53 24	41 19	31 30	26 30
1400							11 7		37 1			
1500							12 11	20 9	41 17	32 12	30 27	29 28
1600							18 15	11 10	48 1			
1700							10 15	9 12	72 1	8 1	30 1	
1800							11 16	11 20	22 1		39 2	24 2
1900							12 13	10F20	38 2		33 2	31 3
2000							11F14	7N19	12 7			23 3
2100							9N14	12N21	10 17	27 2	23 1	25 3
2200							6F15	11N20	12 19	12 24	20 30	24 29
2300							7N13	10N18	8 21	7 5	17 3	22 15

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 1.6 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000										18F 7	16F 6	19 13
0100										10 7	28F 5	18 11
0200										14F 9	22F 5	19 12
0300										18F 6	17 11	19 13
0400										20F 5	23 16	21 12
0500										28 11	21 16	19 13
0600										24 17	22 13	26 1
0700										42 13	21 8	
0800										32 11	26 2	
0900										36 13	24 2	
1000										44 7		
1100										52 5		
1200										48 29	32 24	23 28
1300										49 29	32 22	23 26
1400												
1500										51 6		
1600										44F 6	27 3	
1700										30 5	29 7	20 4
1800										25F 6	29 13	23 12
1900										38 2	21 11	23 16
2000										40 4	28 4	22 16
2100										13 5	23 5	20 11
2200										11 6	20 4	20 10
2300										6 3	14F 8	23 4

Table Format: xxxxy
xx = decibels; y = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 1.6 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	14F 6	11 1	22F 8	16N 4					20F 1	28 1	23F 1	30 3
0100	20F 6	8 3	16 11	0N 3			52EG1		19N 2	8 2		20 4
0200	15 7	8 3	13F14	2F 4			21EG3		19N 3	10 7		22 5
0300	17 9	18 2	17F12	0F 3			39EG3		38F 3			24 4
0400	16 7	17 1	20 9	1N 6			52EG3		12 4	25 1	31 3	21 7
0500	18 10	30 3	8 9	0N 5		72EG1	49EG3		14 6	23 10	18 8	20 7
0600	22 6	38 7	8 5	2 6			37EG3		5 6	22 10	21 6	23 2
0700	21 3	29 7		8UF5	8 1		50EG3		6 1	35 2	24 1	
0800	22 2	57 2	35 1	8 4	4F 7		40EG4		8 1	28 2		
0900	23 1	39 3	28 4		11 8	66EG2	16EG3		50 4	30 5	63 3	67 1
1000		41 3	26 3		1N 2	50EG3	23 5		39 1	24 21	26 30	24 31
1100			37 4		3 2	8F 9	17 8		8 1			
1200	24 23	36 26	36 29	21 29	9 31	13N25	9 30		29 28		49 1	27 1
1300	25 23	42 26	35 29	22 29	8 30	7N26	10N28		29 27		47 1	24 1
1400			22 3		11 6	20 3	16 2					
1500			20 5		6N10	22EG3	24EN4		78 4	28 15		38 4
1600		30 4	39 8	20 3	4EN6	45EG6	16EG1		50DB2			
1700	18 4	38 8	50 5	7F 8	1N 5	26EG4	28EN3			51 1	22 2	30 1
1800	20 12	38 8	30 2	4F 7	13N 5	4EG2	42N 2			30 1	23 5	24 6
1900	20 19	30 4	14 2	17 11	0JF1	26EG3	42EG2		1J 1		20 7	25 15
2000	18 19		4 2	1F10		20EG2	11EG1		5 5		16 6	23 16
2100	18 8	9F 1		0F 8					0 7	24 2	12 5	24 10
2200	15 8	7F 1	17F 4	0F 8					15 7	10 23	20 27	20 29
2300	13 8	46N 2	18 8	1 3					22N 5	8F 1	17F 1	23 3

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000										9 24	10F23	12F13
0100										8F23	11 23	16F14
0200									23FF2	12F17	11 22	13F14
0300									19FF1	16F21	14 17	20F 8
0400									48N 2	18F27	18 13	16 9
0500									18F 6	21 25	21 12	23 17
0600									8 14	27 16	28 14	23 30
0700									15 18	30 17	28 20	23 31
0800									22F19	30 17	26 26	23 31
0900									20F17	26 19	27 26	25 31
1000									24F10	29 21	25 28	25 31
1100									27UF8	30 18	29 28	26 31
1200									28F10	51 15	28 29	25 31
1300									30F10	49 16	29 29	23 28
1400									24 7	39 16	28 27	20 29
1500									18 6	42 10	29 27	22 28
1600									18 16	36 8	33 26	24 29
1700									12 23	27 14	29 18	26 24
1800									10 27	25 21	23 14	25 17
1900									7 24	23 24	18 17	24 12
2000									4F23	21 26	15 22	14 11
2100									5F12	11 25	12 23	15 12
2200									14FF4	11 24	12F25	14F11
2300										9F26	9 18	16F14

Table Format: xx yy

xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	10F17	9 19	2 22	2N 5	43EN5	33EN7	30EG5	13EG5	33F 6	4 28	11 27	14 6
0100	10F17	10 18	6 18	7EN4	31EN4	20N 6	14EN5	13EG4	36EG4	7 30	13 26	10F 5
0200	12 17	11 16	12 16	30EN5	22EN5	16EG6	31EN4	12EG5	25N 3	7 28	13 25	15F 4
0300	14F16	15 18	13 17	18EN7	52EG4	52EG7	24EG6	21EG4	15N 7	9 29	14 25	14 7
0400	16 18	13 18	11 19	22EN8	30EG5	55EG6	40EN5	36EN4	25N 9	11 29	19 22	20 6
0500	19 15	20 19	13 21	4N 8	18N 6	65EG6	46EG3	44EG2	20 11	12 18	22 13	25 11
0600	23 19	24 15	13 26	3F 9	54EN9	67EG5	34EG3	52B 2	24 15	18 15	23 15	23 20
0700	21 21	21 11	23 30	4 17	54EG7	65EG5	45EG3	32 4	14 25	21 9	21 24	24 22
0800	23 22	27 17	22 30	6 26	42EG5	66EG4	51EG1	14 9	9 27	23 9	22 26	22 24
0900	23 22	28 18	22 28	8 29	4 8	63EG4	11EN3	12 13	15 17	29 5	24 18	23 14
1000	22 24	34 19	27 26	11 28	8 21	65EG3	6 1	13 17	30 4	24 24	24 29	24 31
1100	23 24	34 19	26 26	10 21	7 26	68EG3	2 5	12 22	8 2	32 5	25 14	23 19
1200	22 24	29 27	28 30	11 26	8 31	4 12	2 24	6 26	73DB7	24 31	23 30	25 31
1300	21 24	32 27	24 30	11 26	8 30	14N30	3N29	3 25	57 6	28 31	21 30	26 31
1400	22 24	35 20	25 27	13 6	6N26	20N11	23G15	7 28	11 2	33 1	23 12	24 11
1500	22 24	31 21	22 23	10 12	3N13	7EG7	18EG9	12 25	12 9	50 3	26 14	25 16
1600	23 24	31 18	15 20	12 16	28EG7	22EG4	11EG5	7 19	10 11	53 1	24 17	26 22
1700	24 22	35 15	14 21	8 14	6N 4	40EG4	12EG4	5 16	5 13	41 1	27 11	27 28
1800	22 16	25 12	14 27	2 17	44EG1	37EG4	6EG4	7N 7	7 17	28 1	23 9	30 23
1900	19 8	20 16	12 29	0 15		42EG3	13EG3		8 21	10 6	20 7	27 10
2000	15F 9	19 20	10 27	0 11		42EG3	50EG3	55EG2	12 19	9 9	18 11	21 9
2100	12F17	15 19	4 28	1F10		25EN6	53EG4	49EG2	6 13	7 14	12 17	16 6
2200	12F16	21 20	3 28	2F10	64EG1	17EG7	38EG3	27EG2	6 7	5 26	11 30	17F29
2300	10F17	8 19	4 23	2F 8	44EG2	37EG7	57EG3	24EG4	29 7	5 24	11 26	18 7

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 3.6 MHZ

	JAN	FEE	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000										2 4	2 2	6 11
0100										4 1	-10 3	4 11
0200											3 4	6 11
0300			12 1								5 4	8 7
0400			B 1							2 1	7 6	8F 5
0500			44DB2						B 1	8 3	12 8	7F 1
0600			43 1							11 5	13 7	
0700			26 1							10 21	13 5	
0800									13 2	11 19	12 3	
0900			14 1	2F 1					10 15	11 26	16 13	14 17
1000			13 3	5 2					9 26	13 8		
1100			12 2	4 9					11 29	14 28	14 15	16 12
1200			14 29	7 28					12 29	12 31	14 28	15 30
1300			13 29	8 28					14 30	14 31	14 29	15 31
1400			19 2	7 24					14 28	13 30	13 21	15 21
1500			19 4	5 16					16 24	12 30	11 16	15 15
1600			29 5	1 13					10 19	10 30	11 14	12 8
1700			15 4	-2 10					19 18	9 30	9 19	9 2
1800			9F 1	-6F 5					12 13	7 29	8 18	10F 3
1900									12 6	7 26	8 15	5 4
2000			20 1						8 2	1 19	6 13	9 5
2100			8 2							0 19	6 9	7 14
2200										2 5	0 3	1 2
2300										3 5	4 3	6 6

Table Format: xx yy
xx = decibels; yy = median count

HALLEY BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 WMT UNITS 1.0 DB FREQUENCY 4.0 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200												
0300												
0400										9 1		
0500										5 1		
0600										11 1		
0700										27 3		
0800									10F 1	24F 2		
0900									12 11	18F 7		
1000									9 18	15 8		
1100									10 21	15 15		
1200									10 22	18 21		
1300									11 24	18 21		
1400									10 22	22 20		
1500									8 22	21 21		
1600									6 16	18 24		
1700									6 8	14 16		
1800									18DB2	16 7		
1900									6 1	15N 6		
2000									5 1	0 4		
2100										22 1		
2200										11F 1		
2300												

Table Format: xxxxy
xx = decibels; y = median count

MURMANSK
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 EMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0005		R 1		B 2	20F 2	26S 2	11 1		R 1	B 4	61DB3	21 3
0105			24UF2	B 4	28 1	23S 2	7 1		B 2	B 4	61DB2	16 3
0205		B 2		81D 2	48 1	18 1	22 2		B 3	40DB2	B 1	33 1
0305			14FR3	83D 2	16 1	22F 2	39D 2		B 1	24 1	59US1	19 3
0405		R 1		83D 2	82D 1		19 1	15 1	B 2	R 1	B 2	48DB2
0505		R 1		B 2	80D 1	44 2	27 3		B 2	B 1	50DB1	60DB1
0605		B 1		B 2	54 3	18 2	33 2	R 2	B 2		50DB1	
0705	R 2		R 7	B 5	60 3		51D 2	53D 2	B 2	56DB3	B 1	64DB1
0805	59FS1	11 1	R 1	B 3	41 2	26 2	43 2	53D 1	27R 2	B 2	54DB3	43DB2
0905		15R 2	58DB6	B 3	83D 1	25 1	46 2	32D 2	24 1	62DB1	54DB3	13 1
1005		R 1	B 2	B 3	35 1	28 2	67D 2	53D 1	B 2	B 1	60DB3	12 3
1105		R 1	B 2	B 3	28 2	27 2	52D 2	54D 1	B 2	R 2	43 3	6 3
1205	11 1	R 1	65UF4	B 4	28 2	27 2	38F 3	55D 1	B 2	R 2	54DB3	33DB2
1305	8 1	R 1	84D 5	80D 5	38 2	28 3	37 3	55D 1	59DB2	B 3	55DB3	21 3
1405	10 1	R 1	34FR2	30 4	58D 2	3 1	50D 2	55D 1	B 3	58DB3	54DB3	27 3
1505			32 5	35 4	59US2	26 3	34 3	23 1	B 3	B 2	54DB3	40DB2
1605	17 1	24UF3	B 1	B 2	38 1		37 2	53D 1	B 3	18 2	54DB3	63DB2
1705		9UF1	11 1	B 2	23 1	37 2	34F 1	14 1	63D 3	13 1	54DB3	
1805	R 1	29R 1		B 4	27 2	31F 2	12R 2	R 1	38 1	23 1	57DB3	40DB2
1905		12 2	18 5	82RS2	R 1	45 1	29R 2		17R 2	21 2	B 2	39DB2
2005	B 2	9UF1		B 2	15FR2	B 2	R 2			B 1	59DB2	
2105	B 1	R 2	17 2	B 2		17 1				B 1	53DB2	13 1
2205	39 1	R 1		82D 3		R 1			B 1	B 2		
2305	68FS1	22FS2		B 3	21F 1	B 2	10 1			B 2		10UF2

Table Format: xxxxy
xx = decibels; y = median count

MURMANSK
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 EMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0005				B 2		B 3	22 2		46DB2		34 1	17 2
0105				88DB2		B 3		B 1	82DB1			15 1
0205				B 2	20 1	B 3	16 1		R 1		25 1	15 3
0305				88DB2		B 3	R 1	R 1	R 1			21 1
0405	76DB1			79DB1	R 1	B 3	R 2	7 1	51 2			19 1
0505	76DB1	R 1		R 1	27 1	78DB3	R 1	R 2	B 1		75DB1	78DB1
0605	20 1		15 3	R 1		B 4	34DB2	R 1	20 2		75US1	77DB1
0705	R 1	R 1	20 1		60DB2	B 4	15 1		B 2	9 2		78DB1
0805	R 1	21 1	R 2			B 4	44US2	B 1	R 2	23 1	10 1	46DB2
0905	32 1	80DB1	43 3	50 1	42 1	B 4	43 3	38 3	52 3	R 2	44DB2	12 1
1005	6 1	R 1	33 3		40 2	79DB4	44 2	B 2	R 1	R 2	69DB1	6 3
1105	31 2	R 1	35 3	68 1	55 2	B 4	34 3	B 3	80DB3	R 2	47DB2	10 2
1205	53 1	R 1	30 1	65 1	75DB2	B 3	25 3	B 3	80DB2	R 1	21 1	11 2
1305	38 1	80DB2	30 2	B 1	65DB2	B 4	46 2	42 2	52 3	R 2	24 3	7 2
1405	50 1	81DB1	32R 2	66R 2	65 1	62 3	40 3	55 3	38 2	R 2	19 3	8 3
1505		6 1	13HR2	B 1	51 1	39 3	42DB2	73 3	31 3	25 2	10 3	
1605		17 2	R 2	B 1		46US4	36US2	39 2	R 3	16 2	11 2	20 1
1705		22 2	R 1	86DB1		77DB3	33US2	36 2	R 2	7 2	5 1	
1805	R 1	20 2		87DB1	44 1	44 3	29 2	13 1	28 3	8 1		24 1
1905	62DB1		46DB2	R 1		47 4	R 1	R 1	22 2	23 2		
2005	74DB1		7 3	37 1	26 1	65DB2	R 2	14 1	B 2	4 1	12 1	25 1
2105	13 1		7 3	35 1	27 1	41 4	R 1		81DB2			28 1
2205			8 1	79DB1	35 1	B 4		26 1			74DB1	19 1
2305				B 1		B 3	8UF1	20 3	R 1			26 1

Table Format: xxxxy
xx = decibels; y = median count

MURMANSK
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 EMT UNITS 1.0 DB FREQUENCY 3.0 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0040			R 1	B 3	22 1	18FS2	15 1		B 1	B 1	32UF1	R 4
0140	R 1		R 2	B 4	26 1	19 1	13 1	R 1	30FB2	46B 2	B 1	31 1
0240	R 1	B 1	R 1	B 1	12F 1	16F 2			B 2	64DB1		R 2
0340	71R 2			B 3	43D 2		20 1		B 2		49US1	37 1
0440				B 2	72D 1	26F 1		52US1	64UF1	B 1		61DB1
0540		B 1	75D 5	B 5	72D 1	22 1	30 2	29 1	B 1			
0640	77D 1	78D 1		B 2	30 2	33 1		9 1	22B 2			61DB1
0740	R 1		34 6	B 5	21 1	26R 2		16 1	55D 3	38 2		61DB1
0840	R 2	11 3	24 2	B 1		R 1	34 3	36D 2	41US2	41 1	26 2	42DB2
0940		19 3	30 6	B 3		26 3	46D 2	18R 2	42DB2	B 1	20 3	15 2
1040	16UF2	22 2	30UF3	B 3	20 1	30S 2	49D 2	R 1	58FB2	39 3	27 3	7 2
1140	8 1	26FS2	33US7	B 2	22R 2	29FR2	33 1	R 1	56DB2	37 3	25 3	24 2
1240	16 2	25UH3	36 7	B 3	30 1	24R 2	22 2	R 1	59DS2	58DB3	30 3	B 2
1340	8UH1	23UF3	30UF6	32F 6	R 1	R 1	42 3	R 1	56D 3	58DB3	21 3	
1440		17 3	18UF3	36 5	44R 2	27 1		53D 1	46D 2	26 3	17 3	49DB2
1540	R 1	13FS3	28 8	23 5	R 1		30 1	38 1	57DB3	46 3		R 1
1640	R 3	5UF2	21 3	24F 4	22 1	26 2	27 2	14 2	44D 2	9 1	54DB2	
1740		16 1	14 5	75DB2	17 1	23 1	30 1	11 1	41D 2	31DB2	B 1	32R 2
1840	R 1	17 1			13 1	16 1		12 1		4R 2	59US2	27R 2
1940	B 2	22US3	16 5	79D 4	11F 2	R 1			R 1	B 1	B 2	41DB2
2040	37R 1		9 1	22FB2						R 2	B 1	21 1
2140	26R 2		R 3	78FS4		17 1			B 1	B 2		
2240	66FS3	20FS1		78UF3		11 1	55D 1			B 2	R 1	21 1
2340	18 1	B 1	R 3	B 2	2F 1	2 1				B 2	20 1	18 3

Table Format: xxxxy
xx = decibels; y = median count

MURMANSK
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 30 EMT UNITS 1.0 DB FREQUENCY 3.0 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0040				84DB2		B 2				R 1	22 1	23 1
0140	74DB1			B 2		B 3	R 1		77DB1			27 1
0240	74DB1	R 2		B 1	27 1	B 3					13 1	30 1
0340	76DB1	R 1	R 1	R 1		B 3		6 1	42R 2	73DB2		83DB1
0440	76DB1			74DB1		B 2			77DB3	74DB1	73DB1	84DB2
0540	R 1				77DB1	B 3		5 1	B 1	75DB2	71US1	36 1
0640			13 2	60 1	84DB1	B 4	35FR2	29 2	B 2	R 1		22R 2
0740		18 1	11 3	63DB2		B 4	R 2	B 3	13 1	9 2		12 1
0840	R 1	21 1	14 3		R 1	B 4	R 2	B 2	38 3	16 2		37 1
0940		23 1	17 3		R 1	B 4	R 3	B 2	23 3	8 1		28 1
1040	15 2	22 1	22UH3	R 1	R 1	B 3	R 3	R 3	28 1	13 2		19 1
1140	41 2	34 2	27 1	R 1	52R 2	B 3	R 3	R 2	B 2	19 1	11 3	8 3
1240	43 1	25 2	19 3	B 1	R 1	B 3	R 3	R 2	B 1	10 2	11 3	19 3
1340	37 1	24 2	16 3	83DB1	R 1	B 4	R 3	R 3	18 3	12 1	9 3	18 1
1440	R 1	19AF2	20 1	51 2	R 1	R 2	R 2	R 3	24 3	21 3	8 2	
1540		17 2	20 3		R 1	R 4	R 2	B 3	20 2	17 3	5 2	
1640		25 2	19 3	33 1	R 1	28 1	R 1	R 2	10 2	14 2		35 1
1740			17UF2	29 1		15 1	R 1		16 2	0 1		83DB1
1840		R 1			14 1	32 2	7 1	8R 2	7 1			35 2
1940	74DB1	R 2		20 1	8 1	6 1		8 1	15 1	17 1	25 1	35 1
2040			10 1		17 1	52 3		40 1	1 1			
2140		R 1		76DB1	15 1	22UH3		R 1	78DB1		R 1	21 1
2240	R 1	R 1				22 2	10 1	21 1	17 2	64DB1		
2340				B 1		33 4	10UF1		20 2			27 1

Table Format: xx yy
xx = decibels; yy = median count

RESOLUTE BAY
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1959 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	16 30	16 26	15 31	22 30	B 29		B 31			10 31	11 30	13 31
0100	15 29	18 28	16 30	16 28	B 29		B 30			10 30	11 29	14 31
0200	14 30	16 28	14 31	14 30	B 27		B 31			12 31	12 29	14 31
0300	14 28	19 28	15 28	22 30	B 28		DB 31			12 29	12 30	14 31
0400	16 29	21 27	14 30	31 29	B 27		B 31			13 31	13 27	13 30
0500	16 29	21 27	15 31	34 28	B 29		DB 31			12 30	12 28	13 30
0600	16 27	18 26	30 30	45 29	43 30		B 31			13 30	14 28	14 30
0700	18 30	18 27	39 28	43 28	42 30		DB 31			14 29	14 30	14 30
0800	14 29	19 27	49 31	45 29	B 31		B 31			18 29	14 28	15 29
0900	14 29	30 27	56 30	47 29	B 30		DB 30			22 29	12 30	14 30
1000	14 29	40 28	53 31	47 30	B 31		DB 29			36 30	14 30	13 31
1100	16 30	50 28	58 31	46 30	B 31		B 31			40 27	14 30	14 31
1200	15 30	50 28	58 31	48 30	B 31		B 31			38 30	16 30	15 31
1300	14 30	57 27	58 31	48 30	B 30		B 31			38 30	14 30	16 30
1400	15 29	49 26	59 31	47 29	B 31		B 31			38 27	12 30	14 31
1500	16 30	39 27	B 31	46 30	B 31		B 31			27 31	14 30	15 31
1600	16 28	28 27	52 31	47 29	B 30		B 31			20 30	13 30	14 31
1700	18 29	29 27	47 31	48 30	B 30		B 31			18 31	13 30	16 30
1800	16 28	21 27	42 30	49 30	B 30		DB 30			14 31	13 30	14 31
1900	16 30	17 28	31 29	44 30	B 30		DB 31			12 31	12 30	14 31
2000	16 29	19 28	26 30	35 28	DB 29		B 31			13 31	14 30	14 31
2100	14 28	18 28	18 30	32 28	DB 30		DB 30			12 31	12 30	14 31
2200	14 30	15 27	17 31	23 30	DB 28		DB 30			12 31	10 30	14 31
2300	14 30	14 28	16 31	22 29	DB 28		DB 30			12 31	12 30	14 31

Table Format: xxxxy
xx = decibels; y = median count

ROSTOV
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 45 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

1964

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030												
0130												
0230												
0330												-3 1
0430					0 1	7 1	-3 1	2 1				0 1
0530			-7US1		10US1	12 3	5 1	3 1				-2 1
0630	-6 1		2US2	-2 2	14 2	14R 3	10US1	14 2		1 2	0 3	-2 2
0730	-4 2	4 2	7 2	11 2	16 3	16 3	15 2	15R 2	11UR2	5 3	2 1	-4 1
0830	7 3	21UR2	10 2	16 1	17 3	16 3	17 3	14 2	9R 2	9 3	23UR2	18 2
0930	16 3	21 2	13 2	18 2	25 3	23 2	20 3	16 2	12 2	15 3	12UR2	12UR3
1030	20 2	20 2	16 1	17 3	26 2	24 3	21 2	21 2	18US2	15 3	10 2	19UR2
1130	18 3	24 2	17 1	18 2	31 3	26US2	22 2	21 3	14US2	17 3	11 3	17 3
1230	19 3	28 2	15 2	17 2	26 3	28 3	24 3	22 3	15 2	11 2	14 3	32 3
1330	21 3	27 2	18 2	20 3	27 3	26 1	24 3	15 3	21 3	14 3	17 2	20UR3
1430	27 3	25 2	13 1	17 3	24 3	26 1	19 3	20 3	15 3	16 3	20UR3	12 3
1530	20US3	24 2	15 2	17 3	21 3	21 1	19 3	20 2	12 3	25UR3	16UR3	9 3
1630	9 3	19UR2	11UR2	17 3	18 3	22 3	16 3	18 3	12UR2	7 3	2 2	3 3
1730	-1US3	10 2	8 2	11 3	14 3	12 1	16 3	13 3	10 1	2 3	6 3	2 3
1830		10 1	0 2		9 3	12 2	17US3	5 3	-2 1	2 3	-2 3	3 3
1930		-2 1		9 2	8 3	12 3	5 2	3 3	1US1	-3 3	-3 2	1 2
2030		-3 1		2 1	3 3	4 3	3 2	3 2	-2US1	-3 1	-3US1	
2130				9 1		8US1		0 1	-3US1		-3 1	4 1
2230				1 1		7US1		5 1			-5 1	-1 1
2330						12US1		-3 1			-4 1	1 1

Table Format: xxxxy
xx = decibels; y = median count

ROSTOV
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 45 EMT UNITS 1.0 DB FREQUENCY 2.1 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030												
0130												
0230												
0330		3 1				-3 1	-1 1	-2 1			-1US1	
0430		4 1	-2 1		2 1	1 1			-5 1	0 1	-2US1	
0530	-2 1	-4 1	-3 1	6 1	2 1	9 1		3 3	-3 1	-2 1		
0630	-3 3	-3 3	2 2	6 3	7 2	13 2	13UR3	9 3	5 1	-1 1	-1 2	-2 1
0730	-3 3	0 3	13 2	10 3	12 2	14 2	14 3	11US1	10US2	7R 1	0 2	
0830	1 3	10UR3	9 2	15 3	13 1	18 3	15 3	18 1	12 1	9 2	6US2	
0930	9UR3	11 3	13 2	12 3	19 2	19 2	20 2	20 3	14 1	12UR2	8 2	-6UR1
1030	12 3	13 3	14 2	18 2	17US2	19US2	20 3	23 2	16US2	16 3	9 2	8 2
1130	14 3	15 2	16 2	21 3	17 2	25 2	22US2	22US3	17US3	14 3	7US3	11 3
1230	17 3	15 3	18 2	23 3		32US2	18 2	25US2	17US3	18 3	12 3	16 3
1330	18 2	17 3	18 2	21 3	24 1	27US1	19US3	24US2	15 3	15R 3	10 2	11 2
1430	17 2	16 3	11 2	19 3	23US2	27 1	18US3	22 3	12US3	14 3	13 3	16 2
1530	12 2	14 2	10 2	12 3	21US2	24US1	17 3	19 3	12 1	11UR2	12UR2	10US2
1630	7US2	11 2	10 3	14 3	17US2	18 1	14 2	19 3	13R 2	6 3	5 2	
1730	1 2	8 3	4UR3	11UR3	13 2	19 2	8 2	14UR3	6 1	2 3	2 2	1US2
1830	2 2	-2 2	0 3	6 3	4 3	14UR2	7 3	4 3	8 1	0 2	-2US3	-2 2
1930	0 3	-3 3	-4 3	2 3	3 3	10 2	2 3	4US3		2 1	-6 3	-6 1
2030	0 2	-4 2	-1 1	-2 2	-2 2	5US2	1 3	0 3	-4 2	-2US1	-6US2	-3 1
2130	6 1	-1 1	-3 1	-3 2	2 2	1 1	2 2	-1 1	-5 1	0 1		
2230							0 1			3 1		
2330							1 1					

Table Format: xxxxy
xx = decibels; y = median count

ROSTOV
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 45 EMT UNITS 1.0 DB FREQUENCY * MHz

1964

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200												
0300												4 1
0400			-6 1				-3 1	1UR1				
0500			0US1		16US1	4US2	-1 1	1 1			-3 1	-4 1
0600	-8 1	-5 2	-4US2	-4 1	6 1	3 3	6 1	12 2	0 1	0 1	-2 1	1 2
0700	-4US1	1 2	0 1	16 2	6 3	12 3	8 1	12 2		3 2		-1UR2
0800	-5US1	0R 2	3 2	17 2	8 3	14UR3	11R 3	11 2		12 3	4 2	-1 2
0900	6 2	5UR2	15 1	19 2	23 3	16R 3	22 3	14 2	11 1	6 3	10 2	4 3
1000	12 2	16UA2	24R 2	21 3	26 2	22UR2	20 3	18 2	16 2	6 3	13 2	7 2
1100	19 2	15 2	26 2	23 3	24 3	23 3	27 2	21 2	17UR2	11 3	20 2	8 2
1200	6 2	19 2	23R 2	17 2	26 3	24 3	26 2	21 3	11 1	13 3	13UR3	12 3
1300	11US2	17UR2	25R 2	27 3	26 2	23 3	25 2	16 3	12 3	10 3	16UR2	9 2
1400	13 2	16UR1	29UR2	24 3	27 3	22 3	24 3	18 3	20 3	8 3	22 3	12 2
1500	9 2	14 2	34UR1	27 3	20 3	19 2	23 3	24UR3	19 3	9 3	18 3	9 3
1600	9 2	10 2	9UR2	28 3	27US3	20S 3	18 3	18 3	7 3	4 3	18 3	0 3
1700	-1 2	4 2	7 2	17 3	6 3	21UR2	11 3	17UR3	5 1	1 3	10US3	-1 3
1800	2US1	7 1	-2 2	14 2	15 3	0 1	9 3	14 3	-3US1	2 3	4S 2	0 3
1900				6 2	6 2	15 2	4 3	4 3	-8 1	-2US3	4US1	2 3
2000		-4 1		12 2	5 3	2US2	7 1	1US2	-5 1	-4 1	2US1	
2100					15 1	-1 2	1 1	2 1	-3US1		-1US1	
2200				9 1	1 1	5 1		0 1			0US1	-5 1
2300				1 1	0 1			-1 1			3US1	-4 1

* Sampling frequency is 3.0 MHz for January - February and October - December
2.8 MHz for March - September

Table Format: xxxxy
xx = decibels; y = median count

ROSTOV
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 45 EMT UNITS 1.0 DB FREQUENCY * MHz

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000												
0100												
0200												
0300						0 1	-1 1	-2 1			0 1	
0400		-1 1	6 1					-3 1			2 1	
0500		-1US1	-3 1		2 1	12 1		0 1	0US1	0 1		
0600	-2 1	-1 3	-1US2	-2 3	7 3		5 2	3US3	6 1	-1 1	-2 2	-9 1
0700	3 3	0 3	3 2	4 3	11 2	16 3	12 3	11 2	10 1	-1 1	1 2	-1US1
0800	-2 3	4 3	9 2	13 3	14UR2	28US2	27UR3	13 1	15 2	6UR2	1 2	
0900	0 3	10 3	21 2	22UR3	18US2	28 3	23UR3	21UR2	23 1	12 3	8 3	-2 1
1000	5 3	6 3	16 2	20 3	22 1	31US3	26US3	21 3	27 1	16US2	10 2	3 2
1100	8 3	12UR3	18UR2	25 3	22US2	29US2	26UR2	22 3	26 2	22UR3	10 2	5 3
1200	11 3	20UR3	13 2	24 3	23US2	32 2	26 3	26 2	25 3	19UR3	12 3	8US2
1300	11UR3	19 3	15 2	27 3	26US2	36US2	22 2	19 2	21US3	16 3	16 3	18 3
1400	10 2	14 3	18UR2	24 3	22US1	28 3	23 3	2[illegible]US2	24UR3	22US3	12 3	
1500	8 2	12 3	20UR2	19 3	25RS2	33US1	26 3	20 3	25UR2	11US3	10 3	12 2
1600	2 2	6 1	16 2	18US3	21RS2	18 1	15 3	20UR3	21RS2	5 3	7 3	4 2
1700	-3 1	3 3	6 3	14 3	17 2	32UR1	9 2	12 3	15 1	3 3	5 3	0 2
1800	-3 2	0 3	2 3	8 3	7 3	21 2	8 3	5 3	7 1	1 3	5 3	-4 2
1900	1 2	-1 3	-1 3	3 3	3 3	9 1	4 3	3 1	6US2	0US2	2 3	-6 1
2000	2UR3	-3US2	1 3	-1 2	8 3	6US2	1 3	-2US3	3US2	0 1	1 2	
2100	8 1	-2 2	-3 1	-3 2	-1 2	3 1	0 3	0 2	2 1	-1 1		
2200					0 1	2 1	3 1	-5US1		-6US1		
2300												

* Sampling frequency is 3.0 MHz for January - February and October - December
2.7 MHz for March - April and June - September
2.8 MHz for May

Table Format: xxxxy
xx = decibels; y = median count

TOMSK
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN	FEB	MAR	APR	MAY	1964 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030				-4N 1				-2N 1	-3NS1	3F 1	3F 1	3 1
0130		-4N 1		-2N 1			2 1			1F 1	3F 1	
0230						-5N 1		-3N 1			4F 1	
0330	-5NS1			-3N 1				2S 1			2 1	
0430	-2NS1	-5N 1		0 1				2 1		2F 2		
0530	-5NS1	-1N 1		-2NS1			0 1	-2N 1	-7N 1			
0630		-1N 1				9RA2				1 1		
0730						15A 3	23A 3	25A 1			-1N 1	
0830	11N 2			19R 2		20A 3	25A 3	26A 1	22A 1	20 1	-10N 2	R 1
0930	5 3		16A 2	23 2		19A 3	27A 3	22A 3	23A 3	26A 1	28A 1	21 1
1030		32 1	17 2	22 2		20A 3	28A 3	22A 3	26A 1	20A 3	21A 1	
1130		33 3	20 3	23A 2		24A 3	25A 3	24A 2	25A 3	23A 3		
1230		30 3	20 3	25 2		24A 3	26A 3	23A 3	23A 3	21A 3		
1330		32 3	21 3	22A 3		21A 3	28A 3	26A 2	21A 3	23A 3	20A 1	
1430	19 2	30 3	19 3	17 3		20A 3	26A 3	22A 3	27A 3	21A 2		
1530	4 3		21 3	16 3		22A 3	25A 3	20 3	20A 3	23A 1		R 1
1630	3S 2			21 3		14A 3	25A 3	23A 3	25A 2	11NS2	3 1	
1730	3 3	0 1	3 1			16A 3	18A 3	25A 1	20 2		-2NF1	
1830	-4N 2	1N 2	-1N 1	0 1		16A 1	19A 2	24A 1	-2NS1			
1930				-1NS1		3A 1	15A 2	6 1	1 3	3 1		
2030		-2N 1						14A 1	3 2	2F 2		
2130		-2N 2				0 1	-5N 2		2 1	6F 2		
2230				-5N 1					-2NS1	6 F 2	-2N 1	
2330	0S 1	-5N 1		-2N 1	0 1			-2N 1		1F 1		

Table Format: xxxxy
xx = decibels; y = median count

TOMSK
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 EMT UNITS 1.0 DB FREQUENCY 2.2 MHZ

	JAN	FEB	MAR	APR	MAY	1965 JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0030	0S 1		-5NS1									5S 1
0130	0 1		-5NS1								1 1	1S 1
0230			-5NS1					1 1			1S 1	
0330	2 1				-6N 1							
0430			-1N 1		-4N 1		2 1				0 1	
0530			-2N 1	-2N 1				-6N 1				
0630			-1N 1			22 2					-3N 1	
0730		-4N 1			18A 2	18 3	21A 1	14 1		-2N 1	-2N 2	
0830	-1NS1			20 2	17A 3	22 3	21A 1	24A 3	16A 3		11 1	
0930	20 3		22 1	22A 3	23A 1	26A 2	24A 2	26A 3	17A 3			1 1
1030			22A 3	22 3	20A 3	25 3	24A 2	26A 3	21 3	14A 2		15 1
1130		25 1	21 3	21A 3	19A 3	24 3	29A 2	27A 3	21A 3	16A 2		
1230		25 3	21 3	24A 3	22A 3	25A 3	26A 2	27A 3	18A 3	18A 2	14A 1	
1330		24 2	24 3	20 3	22A 3	25 3	26A 2	26A 3	20A 3	14A 1	13A 1	
1430			21 3	20A 3	19A 3	25 3	26A 2	24A 3	19A 3	12A 2	16A 1	0 1
1530	20 1	22 1	14 3	19A 3	16A 3	24 3	21A 2	20A 3	15A 3			-2N 1
1630	-1NS2	18 2			13A 3	21 3	24A 2	18A 3	23A 2	-2N 2	-5N 2	-2N 1
1730	-2NS3	0 3	-1N 3		11A 3	19A 3	17A 2	18A 1			-3N 1	
1830		0N 2	-1NS2				19A 1	16A 2	-5S 1			10 1
1930								11 1	4S 1	-2N 1		
2030			-1NS1									
2130					-2N 1			-2N 1				
2230								-4N 1		-9N 1		
2330	1 1			-2N 1								-1NS1

Table Format: xx yy

xx = decibels; yy = median count

WINNIPEG
DIURNAL VARIATIONS - MEDIANS AND COUNT
TIME 90 WMT UNITS 1.0 DB FREQUENCY 2.0 MHZ

	1959											
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
0000	25 16											
0100	22 26											
0200	19 27											
0300	21 23											
0400	22 20											
0500	23 22											
0600	22 17											
0700	22 20											
0800	34 25											
0900	45 26											
1000	B 27											
1100	DB 25											
1200	DB 27											
1300	DB 27											
1400	DB 28											
1500	DB 27											
1600	DB 26											
1700	B 26											
1800	28 20											
1900	27 26											
2000	21 19											
2100	20 19											
2200	19 19											
2300	18 17											

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