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A photometric study of the bright cloud B in Sagittarius. VII. 1165 new variable stars and 65 diffuse objects *

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Abstract. — As part of our on-going photometric study of the bright cloud B in Sagittarius, we investigated a new field ($5\overset{\circ}{.}5 \times 5\overset{\circ}{.}5$, named B) situated in the direction of the galactic center: 1165 new variable stars were found on the basis of the inspection of B, V and R Schmidt plates acquired at the Mount Palomar Observatory and at the European Southern Observatory (ESO). The detection of the objects and the visual estimation of their magnitudes in the R filter have been made at the Observatoire de Lyon while the astrometry has been performed at ESO/ Garching. A catalogue is presented in Table 2 which, for each star, gives the position (equatorial and galactic coordinates), the R magnitudes at the observed extrema, the corresponding epochs as well as the amplitude of variation, and some remarks. A result of the present work is a considerable increase of the surface density per square degree of variable stars in this direction of the central part of the galactic bulge from 1.7 (in the General Catalogue of Variable Stars, GCVS) to 65. The amount of variables in the present B field is in fact similar to the one reported for the adjacent field A, which contrasts with the poorness of such stars in field D. The histogram of the amplitudes derived in the present work supports our hypothesis that the variable stars of type L and/or M are most probably more numerous in the direction of the galactic center than in other regions of the Galaxy. As an additional result of our investigation, new diffuse objects have been detected in the same field. We present in Table 5 a catalogue of 65 objects with a tentative classification (galaxy or nucleus of galaxy, nebulosity or diffuse object, and, even, probable galactic globular cluster) based only on their morphology as seen on the Schmidt plates. Sixteen other diffuse objects that look like planetary nebulae are excluded from the list: their study will be the subject of a subsequent paper.

Key words: the Galaxy: structure of — stars: long-period variables.

1. Variable stars.

1.1. Introduction.

After reduction and study of the U, B, V, R plates of the three fields O, A, and D, situated around the star 45 Oph, where we detected 2211 new variable stars (Terzan *et al.* 1982; Terzan & Ounnas 1988; and erratum, this volume), the continuation of our researches recently led us to the discovery of 1165 new variable stars in a $5\overset{\circ}{.}5 \times 5\overset{\circ}{.}5$ field (named B) covering the galactic center (see Figs. 1 and 2).

It should be noted that no variable star has been detected in the close neighbourhood ($\sim 8' \times 10'$) of this particular zone of the galactic center (see Fig. 2). A two step enlargement of part of this region is given in Figure 3. This reproduction demonstrates that the present result is comparable to that of Storey and Allen (1983) that has been obtained with a CCD camera (+ RG1000 filter) in the near infrared domain ($\lambda_{\rm eff} \sim 1\ \mu m$). We therefore think that the spectral domain (098-04 emulsion + RG630 filter, $\lambda_{\rm eff} \sim 0.65\ \mu m$) selected for our observations is a very good compromise for the detection of most of the red variable stars up to a limiting magnitude $m_{\rm R} < 18.5 - 19.0$ under a seeing less than one arcsecond. However, it should be explicitly said that the similarity between the above-mentioned CCD and photographic images exclusively concerns stars in the foreground of the galactic center. A star near the galactic center would hardly be visible on a 30 min exposure R plate.

1.2. Plan and method of working.

The plan and the method of working, the chronology and place of the observations, the method of dividing into four parts a large 10° by 10° field centered on the star 45 Oph, the reason for the creation and the initial study of a central field O as well as the explanation of the proposed stages in the completion of the programme of the general task have

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* Based on observations made at the European Southern Observatory, La Silla, Chile.

been previously described (Terzan 1977; Terzan *et al.* 1982; Terzan & Turati 1985; Terzan & Ounnas 1988; Terzan 1990).

- As for the fields O, A and D, the observational material for field B originates from the 48″ Schmidt telescope (f/2.44, 67″.1 mm^{-1}, observer: A. Terzan) of the Mount Palomar Observatory (USA) and from the 1m Schmidt telescope (f/3, 67″.5 mm^{-1}, observers: H.E. Schuster and collaborators) of ESO/Chile.

- The characteristics (No, Date, emulsion, filter, exposure time, seeing and place of observation) concerning all the B, V, R plates used in the present study are assembled in Table 1.

- The systematic detection has been performed using the blink comparator of the Observatoire de Lyon (Terzan *et al.* 1978); this instrument permits, under the best conditions (seeing < 1 arcsecond), the discernment of variations in brightness down to 0.2 mag. A resulting list of variable stars has been established, the catalogue will be presented as Table 2 in the next section.

- The measure of the X, Y coordinates for each listed variable star and the transformation to the corresponding equatorial coordinates $R.A.$, $D.$ (equinox 1950.0) have been performed at ESO/Garching using the S-3000 Optronix microdensitometer. The standard deviation of the fit to the reference stars is 0.3 arcsecond in both directions.

- The identification charts (R bandpass) are given in plates 1-16 . North is up and East is left. The scale (given in plate 16) is the same for all the plates.

- The red magnitudes R[Max] and R[Min] which correspond to the brightness at the respective phases of the observed maximum and of the observed minimum, have been estimated visually for each catalogued star of Table 2.

- The photometric sequence, noted $m_{\rm R}$, used in the present work is the one previously established for the galactic open cluster Trumpler 26 (Terzan & Bernard 1981). The range of values goes from 9.03 to 17.48 $m_{\rm R}$.

However, taking into account the linear shape of the calibration curve of our plates in the interval from 14 to 17 $m_{\rm R}$ and particularly the limiting magnitude of the 30 min exposure plates ($m_{\rm R} \sim 19.5 - 20.0$) , we dared tentatively to extrapolate the calibration curves up to $m_{\rm R} = 18.0$. On the other hand, for the bright variable stars, and when the visual estimation is equal to or less than 10 $m_{\rm R}$, we marked the reported value by a ":" sign to indicate the imprecision ($\epsilon \geq 0.5$ mag).

- In the range $10.0 \leq m_{\rm R} \leq 18.0$, the precision of the estimation is of the order of ±0.3 or ±0.4 mag, sometimes reaching ±0.5 mag :

– when the zone is very rich in stars

– when the sky background is particularly dense and irregular,

– and especially when the contour of the image is vitiated by simple contact or by partial superposition of images of other stars in the field. This is a very frequent case, particularly for the observed maximum phase of some stars.

1.3. Catalogue.

In Table 2, the parameters $R.A.$, $D.$, l, b, R[Max], R[Min], E, A are given for each catalogued star together with some Remarks. They are explained in the following.

Column 1: No. - this is the number associated with the variable star. This numbering is the continuation of the two previous works and starts at 2215. The stars are classified according to increasing right ascension.

Columns 2 and 3: $R.A.$ and $D.$ - the equatorial coordinates calculated for the 1950.0 equinox.

Columns 4 and 5: l and b - the galactic coordinates.

Columns 6 and 8: R[Max] and R[Min] - the red magnitudes for the phases of observed maximum and minimum.

Columns 7 and 9: - the epochs of the observation of R[Max] and of R[Min], respectively. The numbers in these columns refer to the numbers of the plates as given in Table 1.

Column 10: A- the observed amplitude: $A = R[\mathrm{Min}] - R[\mathrm{Max}]$.

Column 11: Remarks - they are indicated in this column using a few symbols as follows: - B and/or V indicates(s) that the variability has also been detected in the mentioned bandpass;

-* indicates that the variation in brightness of the star is, in particular, observed on the pair of plates No 9 and 10 (see Tab. 1) which are only separated by 71 days; we considered that the notification of the fact that the variation of the brightness in the red bandpass takes place within such a short time interval, can be of great significance in the future for the build-up of the lightcurve and the possible discussion concerning the determination of the period: either $P/2$ or $(n + 1/2)P$ equalling several tens of days;

- [1] marks the 17 stars situated in the close neighbourhood of the globular cluster Abell 6 and for which the variability has been previously detected on IR plates (hypersensitized IN emulsion + filter Ilford 207, $\lambda_{\rm eff} \sim 0.81\ \mu$m) obtained at the Observatoire de Haute-Provence (Terzan 1966). The cross-identification between numbers in the above-mentioned publication, those in the present work, as well as those in the New Catalogue of Suspected Variable Stars (NSV; Kholopov *et al.* 1982) is given in Table 3;

- T283(IR) and T412(IR) refer to objects reported in the work of Terzan (1965).

We excluded from the present catalogue (Tab. 2), all the stars already known and catalogued in the General Catalogue of Variable Stars (GCVS; Kholopov *et al.* 1985, 1987). On the basis of the present study, we note that:

– 207 variable stars are only detected on the R plates;

– 958 others also present a variation of brightness on the B and/or V plates: 744 only in V, 12 only in B and 202 both in B and V.

1.4. Discussion.

1.4.1. *Distribution of the variable stars among the fields A, B, D and C (partial reduction).*

Similarly to fields A, B, C, and D, the central field (O) covers a 5°.5 by 5°.5 area, but overlaps one quarter of each of the other ones. We know that, among the 619 variable stars (in place of 621, see erratum, this volume) initially detected in the O field (Terzan *et al.* 1982):

	258	belong to field	A
	198	belong to field	B
	100	belong to field	C
	63	belong to field	D
i.e.	619	in the O field.	

Distributing, among the different fields, all the 3376 variable stars detected up to now, we get:

Field A :	1265	variable stars,	
Field B :	1363	variable stars,	
Field C :	100	variable stars	(partial detection),
Field D :	648	variable stars,	
Total :	3376	variable stars.	

If one discards field C for which the reduction is not yet completed, the comparison of the above results demonstrates that the number of variable stars reported for fields A and B is roughly identical: a discrepancy of about 8% is not significant and most probably results from the relatively high value of the seeing ($\sim$ 2.5 to 3 arcseconds) during the acquisition of the R plates for the A field. In any case, the field D is indubitably poor in such stars. This is essentially due to the fact that, in this zone, the dark cloud C of Sagittarius is more uniform (see Fig. 3 in Terzan & Ounnas 1988) indicating a very high interstellar absorption ($\sim 15 - 20\, m_B$).

1.4.2. *Histogram δm/N.*

The histogram of the number N of variable stars as a function of the binned observed amplitude δm is given in Figure 4a (with steps of 0.5 m_R) and is not different from the other ones previously built up for the fields O, A and D.

Three columns of numbers are present in Figure 4a. The first one indicates the amplitude bins. The third column gives, per bin, the number of variables detected in fields O, A, and D for which an amplitude has been successfully derived. The second column corresponds to the total number of detected variables in the combined four fields O, A, B, D, again per amplitude bin. It is important to note that among the 1165 new variable stars reported in this work, only 282 appear in the histogram. Concerning 859 others, it is not possible to define an amplitude without making an erroneous estimation of R[Min] beyond $m_R \geq 18$ mag. An additional group of 24 stars have also imprecise values for R[Max] (see Tab. 4).

Therefore, the addition of the 282 new variable stars (field B) to the 1536 already taken into account (i.e. having a well-defined amplitude of variation) in fields O, A and D, does not introduce any significant change to the general shape of the previous histogram (represented by a shaded area):

– most of the observed amplitudes are in the range 0.6 to 3.0 m_R,

– the bin $d(1.6 \leq A \leq 2.0)$ continues to dominate,

– the number of variables decreases rapidly towards high amplitudes,

– starting at bin c, the number of variables decreases rapidly towards low amplitudes. As we can discern variations in brightness down to 0.2 mag (see Sect. 1.2), we do not think that this drop could be due to an incompleteness effect for the amplitude. If some incompleteness exists, it comes either from the observation of low amplitude, low brightness red variables or from the observation of bluer stars for which the R bandpass is somehow inadequate.

If one takes into account the large number of variable stars (1487, see Tab. 4) in the studied fields O, A, B, D for which R[Min] is undefined (i.e. R[Min] = 18 : or R[Min] > 18), it can be thought that, on condition that a reasonable value of R[Min] be attributed to them, their introduction into the $\delta m/N$ histogram will possibly modify the third of the last statements.

We know that the limiting magnitude of the 30 min exposure R plates is about $m_R \sim 19.5 - 20.0$ mag and that we have extended our calibration curves up to $m_R = 18$ (an extrapolation). Consequently, we can admit -without making a large error- that any variable star for which the R[Min] is reported to be 18: or > 18 mag, has, effectively, an R[Min] of the order of 19 m_R.

The second histogram (Fig. 4b) constructed in such a way does not render invalid at all our previous conclusions:

– most of the variables are of the type L and/or M;

– the amplitudes defined in that way gather, without significant difference, between 1.6 and 3.5 mag;

– the rapid decrease of the number of variables with the increasing observed amplitudes (A > 4.0 mag) is still present; and, finally,

– the record of a relatively large number of variables having $A \geq 6.1$ mag could be due to the observation of stars of the eruptive or irregular type, but also, with some probability, of novae for which the detections in B and/or V have been missed due to the large interstellar absorption (> 5 m_B) in this central region of the Galaxy.

1.4.3. *Distribution of R[Max] and of R[Min].*

Figure 5 gives the distribution of R[Max] and R[Min] as a function of the analysed plates among the twelve R plates used in the present work. We note that:

– the largest number of R[Max] is obtained for the plates PS3789, 6977 and 7001A (No. 1, 11 and 12 in Tab. 1);

– the R[Min] are rather observed on the plates 6869A, 6873, 6977 and 7001A (No. 8, 9, 11 and 12 in Tab. 1);

– no marked anomaly is detected, the final interpretation is to be deferred until the determination of the possible period of each variable.

1.4.4. *Photometric study.*

As has been pointed out in our previous publications (for a full list of references, see Terzan & Ounnas 1988), the first part of our working plan being the reduction of all the plates for the fields A, B, C, and D, our next aim is the study of field C, the last one of the series.

Only after the completion of that part, will we start the individual photometric study of each of the variable stars in order to:

– take the census of the Miras (M), the semi-regular (SR) and the slow irregular variables (L),

– contribute to the derivation of a new, better, period/luminosity relation for the M stars (Whitelock 1990),

– eventually bring new data for a discussion on the nature of the galactic bulge, an analog to the discussion given by Whitelock *et al.* (1990) on the basis of the study of the IRAS sources.

2. Diffuse objects.

Similarly to what happened for the fields A and D, the reduction and study of the B, V, R plates for the field B led also to the observation of 81 diffuse objects. Among these 81 objects, 65 seem to be either i) a galaxy or a nucleus of galaxy, ii) a nebulosity or a diffuse object, or iii) a globular cluster. The 16 remaining ones are suspected of exhibiting an image analogous to a planetary nebula. As we have no further observational data for the definition and the discussion of the true nature of these objects, we would like to insist on the fact that our tentative classification is based only on the mere morphological study of the images on the Schmidt plates.

The parameters $R.A.$, $D.$, l, b as well as the $(X;Y)$ positions on the plates of the ESO/survey of each of the first 65 objects are assembled in table 5. The identification charts in the B and R bandpasses are given in plates 17-22.

The detection of all the diffuse objects, and mainly of those proposed as galaxy or nucleus of galaxy, presents a particular interest in the framework of a discussion on the possible existence of a cluster (or supercluster) of galaxies situated behind the galactic bulge. Two points illustrate this fact:

1- In 1981, Johnston *et al.* (1981) and Wakamatsu & Malkan (1981), independently of each other, claimed the discovery of a rich X-ray cluster (4U1708-23) in Ophiuchus, with $l = 0\overset{\circ}{.}5$ and $b = +9\overset{\circ}{.}4$ at $z = 0.028$ ($cz = 8400$ km/s). Then by the census of 108 other galaxies in a rectangular field of $2\overset{\circ}{.}1 \times 2\overset{\circ}{.}6$ centered on 4U1708-23, Johnston *et al.* defined an *Ophiuchus cluster* situated just above the northern limit of our field A. According to the authors, this cluster of galaxies was "the nearest and the brightest representative of the class of X-ray clusters with a dominant central galaxy".

In 1988, Terzan, while adding 30 other objects to his list of diffuse objects (Trz 42 - Trz 71; Terzan & Ounnas 1988) specified once more that:

i) we are in the presence of a *second transparent window*, very close to the galactic center,

ii) the extent of the Ophiuchus cluster is considerably greater than $2\overset{\circ}{.}1 \times 2\overset{\circ}{.}6$,

iii) the number of objects which populate it is well above 108.

2- These constatations have recently been confirmed by the new work of Djorgovski *et al.* (1990) where, after the study of CCD images and long slit spectra of most of the diffuse Terzan objects published before 1988 (see Terzan & Ounnas 1988, Tabs. 2 and 3), the authors reach the following conclusions:

- Trz 8, Trz 19, Trz 21 and Trz 41 are planetary nebulae,
- Trz 20 is a galactic open cluster,
- Trz 5, Trz 23, and (possibly) Trz 13 are galactic globular clusters,
- most of the other objects are galaxies,
- six of the observed galaxies ($\sim 25\%$) show strong emission lines, characteristic of star-burst or Seyfert 2 nuclei; their high central surface brightness was probably an important cause of selection.

The selection effect hypothesis is of particular interest concerning the definition of the *globular or probable globular cluster* nature of some of the Terzan diffuse objects. Effectively, by the selective effect of the interstellar extinction, in some cases, we can only see the nucleus or the central region of the galaxy; this could be a source of confusion when trying to discern a *galaxy* (?) from a *globular cluster* (?).

Probably for this reason, Djorgovski *et al.* (1990), after an individual study of the objects Trz 15, Trz 16, and Trz 17, find that they are galaxies, and not globular clusters as suspected by Terzan and as classified afterwards in the list of globular clusters by Webbink (1985).

Therefore, there exists a putative Sagittarius-Ophiuchus supercluster, which could be an important factor in the local supergalactic dynamics, possibly even more massive than the Coma-A1367 system, which is at roughly the same distance (Djorgovski *et al.* 1990). It may be an onscured part of the *Great Wall* structure, recently discovered by Geller & Huchra (1989).

Besides the above discussion on the diffuse objects, there remains the particular case of the 26 other objects (10 detected in the fields O, A, D, and 16 in the field B, subject of the present work) which are suspected of being possibly planetary nebulae. Of the first 10 of these, Djorgovski *et al.* (1990) confirm in the case of four of them their actual nature as genuine planetary nebulae whereas Acker (1989) confirms two others. In June 1990, Acker (1990) further confirms the identification of 5 new ones among the last 16.

These first observational results are quite encouraging, because they already suggest a success rate of 42% on the prediction of the exact nature of the objects. They prove how urgent and necessary it is to intensify the observations of all the Terzan diffuse objects resulting from the present survey.

The list of the 16 planetary nebula candidates, the usual parameters $R.A.$, $D.$, l, b, the positions on the ESO/survey plates, the identification charts for each of these objects as well as the discussion of the results will be the subject of a forthcoming publication.

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TABLE 1. *Plate characteristics for the field B.*

No	Plate number	Date	Emulsion	Filter	Exposure	Seeing	Observatory
1	PS3789	1968.06.27	103aE	RG610	20 min	1″.5	Palomar
2	PS3810	1968.06.29	103aE	RG610	20 min	1″.5	Palomar
3	PS3819	1968.06.30	103aE	RG610	20 min	1″.5	Palomar
4	PS3898	1968.07.29	103aE	RG610	20 min	2″	Palomar
5	6504	1986.05.06	098-04	RG630	30 min	2″/3″	ESO
6	6591A	1986.08.03	098-04	RG630	30 min	2″.5 + wind	ESO
7	6602	1986.08.26	098-04	RG630	30 min	2″	ESO
8	6869A	1987.04.22	098-04	RG630	30 min	2″	ESO
9	6873	1987.04.23	098-04	RG630	30 min	2″	ESO
10	6949	1987.07.03	098-04	RG630	30 min	1″.5/2″	ESO
11	6977	1987.08.18	098-04	RG630	30 min	2″	ESO
12	7001A	1987.09.15	098-04	RG630	30 min	2″	ESO
13	6501A	1986.05.06	103aD	GG495	15 min	3″	ESO
14	6613	1986.08.29	103aD	GG495	30 min	2″	ESO
15	6835	1987.03.03	103aD	GG495	30 min	1″.5	ESO
16	6853	1987.04.09	103aD	GG495	15 min	2″.5	ESO
17	5175	1983.07.12	IIaO	GG385	20 min	3″	ESO
18	6503	1986.05.06	IIaO	GG385	20 min	3″	ESO
19	6880A	1987.04.27	IIaO	GG385	20 min	2″	ESO
20	7002A	1987.09.15	IIaO	GG385	20 min	2″	ESO

TABLE 2. *Catalogue.*

No.	R.A. (1950.0)	D.	l	b	R[Max]	E	R[Min]	E	A	Remarks
	h m s	d ' "	d	d						
2215	17 22 36.1	-29 27 2.5	357.2	3.3	15.8	8	>18	3		
2216	17 22 44.4	-29 21 52.8	357.3	3.4	14.9	12	18:	5		T283(IR),8625-NSV
2217	17 22 53.1	-29 14 52.5	357.4	3.4	15.8	8	>18	12		V
2218	17 23 2.2	-27 58 27.8	358.5	4.1	17.0	1	17.6	12	0.6	V
2219	17 23 6.0	-29 18 37.5	357.4	3.3	14.7	3	16.9	11	2.2	V
2220	17 23 15.7	-26 3 52.6	0.1	5.1	14.0	4	17.2	3	3.2	
2221	17 23 16.5	-29 2 38.8	357.6	3.5	16.4	10	17.7	9	1.3	V,*
2222	17 23 19.2	-25 21 14.3	0.7	5.5	13.5	12	18.0	9	4.5	B,V
2223	17 23 19.3	-29 8 1.0	357.5	3.4	17.3	1	17.9	9	0.6	V,*
2224	17 23 20.1	-28 15 1.8	358.3	3.9	16.6	1	18:	9		V,*
2225	17 23 22.4	-28 11 14.1	358.3	3.9	16.2	6	>18	4		B,V,*
2226	17 23 24.6	-29 17 27.2	357.4	3.3	17.4	7	18:	5		V
2227	17 23 25.5	-29 14 1.1	357.5	3.3	14.2	4	15.5	12	1.3	
2228	17 23 34.9	-29 22 56.6	357.4	3.2	15.6	3	17.8	12	2.2	B
2229	17 23 35.7	-29 31 28.5	357.3	3.1	17.0	12	>18	9		
2230	17 23 41.0	-28 51 55.0	357.8	3.5	15.2	8	16.9	12	1.7	B,V
2231	17 23 41.4	-28 36 23.2	358.0	3.6	17.4	5	18:	11		
2232	17 23 47.3	-28 13 26.7	358.4	3.8	15.0	1	17.6	12	2.6	V
2233	17 23 48.7	-27 54 51.4	358.6	4.0	17.0	10	>18	9		V,*
2234	17 23 49.4	-27 21 26.1	359.1	4.3	14.2	12	>18	8		V
2235	17 23 50.4	-26 40 21.1	359.7	4.7	13.2	11	>18	1		B,V
2236	17 23 51.0	-28 29 24.3	358.1	3.7	17.3	3	18:	11		V
2237	17 23 53.8	-29 16 16.7	357.5	3.2	16.9	12	>18	1		V
2238	17 23 54.1	-29 12 15.5	357.6	3.2	17.5	11	>18	9		V
2239	17 23 58.9	-25 56 18.4	0.3	5.1	17.1	12	>18	8		V
2240	17 24 1.3	-25 14 45.7	0.9	5.4	12.2	12	15.0	10	2.8	
2241	17 24 15.1	-26 29 32.8	359.9	4.7	12.8	1	18:	6		*
2242	17 24 17.4	-26 45 27.1	359.6	4.5	17.0	4	18:	8		V,*
2243	17 24 18.0	-29 12 20.3	357.6	3.2	12.4	2	16.9	12	4.5	B,V
2244	17 24 20.0	-29 30 24.2	357.4	3.0	14.6	6	18.0	12	3.4	V
2245	17 24 21.8	-26 29 27.8	359.9	4.7	14.4	6	>18	1		B,V,*
2246	17 24 25.9	-24 51 55.7	1.2	5.6	15.4	11	17.0	7	1.6	V
2247	17 24 27.7	-29 24 9.6	357.5	3.0	16.8	3	>18	2		V
2248	17 24 28.3	-25 19 54.2	0.9	5.3	15.4	11	15.9	7	0.5	
2249	17 24 32.3	-25 17 47.6	0.9	5.3	15.6	10	>18	5		V,*
2250	17 24 37.0	-25 53 34.9	0.4	5.0	10:	1	18:	6		V,*
2251	17 24 38.4	-28 54 21.9	357.9	3.3	17.0	11	>18	5		
2252	17 24 43.7	-28 26 47.6	358.3	3.5	16.2	3	16.9	8	0.7	V
2253	17 24 44.8	-28 43 3.6	358.1	3.4	13.5	4	16.9	12	3.4	V
2254	17 24 45.1	-26 34 51.6	359.8	4.6	17.2	1	18:	12		
2255	17 24 47.5	-25 55 4.0	0.4	4.9	15.4	6	18:	8		B,V
2256	17 24 51.0	-25 27 12.0	0.8	5.2	17.0	11	>18	10		
2257	17 24 52.7	-26 1 27.6	0.3	4.8	13.0	12	18:	1		B,V,*
2258	17 24 54.6	-27 19 23.9	359.2	4.1	16.6	5	18:	9		V,*
2259	17 24 55.5	-24 40 15.4	1.5	5.6	14.3	7	16.9	12	2.6	B,V,*
2260	17 24 56.9	-26 6 49.4	0.3	4.8	15.6	12	18:	1		V,*
2261	17 25 0.6	-27 16 1.7	359.3	4.1	15.5	6	>18	4		V,*
2262	17 25 5.7	-29 7 38.1	357.8	3.1	17.0	11	18:	1		V,T412(IR),8745-NSV
2263	17 25 6.1	-27 32 35.4	359.1	4.0	16.5	11	18:	5		V,*
2264	17 25 9.4	-24 38 4.8	1.5	5.6	15.7	7	17.7	12	2.0	V
2265	17 25 12.2	-24 48 14.1	1.4	5.5	14.8	11	15.6	7	0.8	B,V
2266	17 25 14.5	-28 6 53.7	358.6	3.6	17.0	10	>18	3		V,*
2267	17 25 19.9	-27 8 12.1	359.5	4.1	16.3	4	17.2	11	0.9	
2268	17 25 20.0	-28 34 2.0	358.3	3.3	16.4	4	17.7	12	1.3	V
2269	17 25 21.2	-27 10 36.5	359.4	4.1	15.0	1	17.6	8	2.6	B,V,*
2270	17 25 22.7	-27 15 16.7	359.4	4.1	15.9	11	>18	4		V,*
2271	17 25 23.5	-28 45 37.9	358.1	3.2	15.9	11	17.0	5	1.1	
2272	17 25 29.2	-28 25 13.2	358.4	3.4	16.8	3	18.0	8	1.2	
2273	17 25 30.1	-26 15 55.2	0.2	4.6	16.2	12	>18	1		B,V
2274	17 25 32.1	-24 45 7.4	1.5	5.4	16.4	11	>18	9		V,*

No.	R.A. (1950.0)	D.	l	b	R[Max]	E	R[Min]	E	A	Remarks
	h m s	d ' "	d	d						
2275	17 25 33.1	-28 59 32.1	357.9	3.1	15.0	5	16.9	12	1.9	B,V
2276	17 25 34.1	-25 58 2.8	0.5	4.7	15.3	11	>18	10		V,*
2277	17 25 38.4	-28 51 36.3	358.1	3.1	12.0	8	13.8	3	1.8	V
2278	17 25 42.2	-28 47 55.3	358.1	3.1	17.0	10	18:	9		V,*
2279	17 25 46.7	-27 36 9.9	359.1	3.8	13.2	6	15.1	5	1.9	B,V
2280	17 25 48.3	-24 43 41.0	1.5	5.4	14.9	12	>18	10		V
2281	17 26 1.8	-28 33 31.4	358.4	3.2	16.4	11	18:	5		B,V,*
2282	17 26 3.9	-28 44 10.8	358.2	3.1	14.9	12	18:	9		V
2283	17 26 5.0	-26 6 19.9	0.4	4.6	15.5	4	>18	9		V,*
2284	17 26 11.8	-27 48 54.1	359.0	3.6	13.9	1	17.0	8	3.1	V
2285	17 26 17.3	-25 59 54.7	0.5	4.6	17.8	7	>18	3		V,*
2286	17 26 18.4	-25 40 25.5	0.8	4.8	13.9	4	18:	6		V,*
2287	17 26 23.0	-29 9 57.3	357.9	2.8	12.0	10	16.8	7	4.8	B,V
2288	17 26 23.1	-25 27 1.7	1.0	4.9	15.9	11	>18	5		V
2289	17 26 23.5	-26 14 24.7	0.3	4.4	15.9	1	18:	4		V,*
2290	17 26 25.2	-27 9 2.9	359.6	3.9	17.8	10	>18	9		*
2291	17 26 25.4	-25 47 43.0	0.7	4.7	13.8	12	18:	3		B,V
2292	17 26 26.5	-26 15 6.6	0.3	4.4	15.9	1	>18	8		V,*
2293	17 26 31.9	-27 19 15.5	359.4	3.8	17.3	1	18:	8		V
2294	17 26 33.0	-26 43 38.4	359.9	4.1	16.8	10	>18	11		V,*
2295	17 26 34.8	-28 41 26.8	358.3	3.0	15.8	11	17.7	5	1.9	
2296	17 26 36.1	-25 59 51.0	0.6	4.5	13.2	12	18:	1		B,V
2297	17 26 37.4	-26 41 57.5	360.0	4.1	13.8	12	15.6	9	1.8	
2298	17 26 37.9	-27 11 50.4	359.6	3.9	16.4	10	>18	9		V,*
2299	17 26 38.5	-27 14 4.1	359.5	3.8	12.8	1	18:	8		V,*
2300	17 26 40.0	-25 4 35.5	1.3	5.0	16.9	12	>18	5		V
2301	17 26 40.4	-25 3 57.0	1.4	5.0	14.2	10	>18	9		*
2302	17 26 40.9	-27 12 24.2	359.6	3.9	16.4	11	17.0	10	0.6	V,*
2303	17 26 42.3	-25 20 45.3	1.1	4.9	14.6	10	18:	9		V,*
2304	17 26 42.5	-26 17 43.3	0.3	4.3	15.7	4	18:	6		V
2305	17 26 44.6	-28 54 40.7	358.1	2.9	13.2	6	18:	1		B,V,*
2306	17 26 45.2	-26 24 35.0	0.2	4.3	12:	12	13:	11		B,V
2307	17 26 47.8	-29 0 8.0	358.1	2.8	13.8	6	18:	1		B,V
2308	17 26 47.9	-27 14 12.8	359.6	3.8	15.5	11	18:	8		V
2309	17 26 48.8	-25 11 53.6	1.3	4.9	14.3	11	>18	9		V,*
2310	17 26 49.1	-26 30 27.8	0.2	4.2	15.0	1	18:	8		V
2311	17 26 50.4	-27 22 3.5	359.4	3.7	15.8	7	17.7	9	1.9	B,V,*
2312	17 26 50.8	-25 56 34.2	0.6	4.5	15.8	1	17.6	8	1.8	
2313	17 26 51.8	-27 24 11.2	359.4	3.7	14.4	6	>18	4		B,V,*
2314	17 26 51.8	-27 50 28.7	359.1	3.5	15.8	7	18.0	4	2.2	V,*
2315	17 26 52.2	-29 2 20.1	358.1	2.8	17.0	10	18:	9		
2316	17 26 52.5	-26 19 6.1	0.3	4.3	15.2	3	18:	8		
2317	17 26 55.4	-27 49 52.5	359.1	3.5	15.7	1	17.0	11	1.3	V
2318	17 26 55.5	-25 48 24.4	0.8	4.6	15.8	1	18:	8		V,*
2319	17 26 57.3	-26 25 44.8	0.2	4.2	9:	12	17.0	8		B,V,*
2320	17 26 58.4	-29 21 39.8	357.8	2.6	17.0	11	>18	5		V
2321	17 26 58.6	-29 30 2.7	357.7	2.5	11.2	6	16.4	12	5.2	
2322	17 26 59.7	-25 46 50.0	0.8	4.6	16.4	10	>18	9		V,*
2323	17 27 0.1	-28 48 9.8	358.3	2.9	17.0	5	>18	12		B,V
2324	17 27 1.4	-24 44 39.6	1.7	5.1	14.2	12	18.0	5	3.8	V
2325	17 27 4.2	-28 39 23.1	358.4	3.0	13.7	11	>18	4		V
2326	17 27 6.7	-28 52 37.4	358.2	2.8	15.0	6	>18	1		V
2327	17 27 7.2	-26 35 2.9	0.1	4.1	17.8	5	>18	11		B,V
2328	17 27 7.5	-26 18 3.6	0.4	4.3	15.1	12	17.2	4	2.1	V
2329	17 27 7.8	-25 8 13.1	1.3	4.9	13.5	12	17.0	10	3.5	B,V
2330	17 27 9.9	-29 16 2.4	357.9	2.6	17.8	10	>18	9		V
2331	17 27 10.3	-26 22 16.0	0.3	4.2	15.9	1	>18	12		V,*
2332	17 27 11.6	-28 21 32.0	358.7	3.1	15.8	5	17.8	11	2.0	V,*
2333	17 27 12.0	-29 15 0.1	357.9	2.6	16.3	12	>18	1		
2334	17 27 13.8	-26 7 4.1	0.5	4.3	16.3	3	17.8	11	1.5	V

TABLE 2. *(continued)*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
2335	17 27 14.1	-26 7 17.8	0.5	4.3	15.0	1	>18	6		V
2336	17 27 15.0	-28 25 37.0	358.6	3.1	18:	1	>18	12		V,*
2337	17 27 20.3	-24 52 47.9	1.6	5.0	15.5	5	>18	11		B,V
2338	17 27 20.6	-25 7 28.8	1.4	4.9	15.8	7	17.0	10	1.2	B,V,*
2339	17 27 21.0	-26 16 19.3	0.4	4.2	15.0	12	>18	10		*
2340	17 27 23.1	-26 51 49.2	359.9	3.9	15.0	11	18:	8		V
2341	17 27 25.9	-26 19 51.0	0.4	4.2	14.0	12	18:	4		B,V,*
2342	17 27 27.5	-28 12 28.7	358.8	3.2	17.0	9	18:	11		*
2343	17 27 27.8	-26 1 6.6	0.7	4.4	15.2	12	>18	1		
2344	17 27 28.0	-27 58 38.0	359.0	3.3	14.6	6	>18	12		B,V,*
2345	17 27 30.1	-28 31 33.3	358.6	3.0	15.3	9	18:	11		B,V,*
2346	17 27 30.5	-27 3 49.7	359.8	3.8	16.4	11	17.7	9	1.3	V,*
2347	17 27 31.4	-25 33 41.0	1.0	4.6	17.8	5	>18	11		
2348	17 27 31.8	-26 51 14.9	360.0	3.9	17.3	1	>18	8		V
2349	17 27 32.5	-27 2 32.8	359.8	3.8	16.0	11	17.7	5	1.7	V
2350	17 27 32.7	-25 39 27.6	1.0	4.5	16.4	3	>18	11		V
2351	17 27 33.3	-25 21 46.5	1.2	4.7	17.0	11	>18	9		V,*
2352	17 27 33.6	-25 19 30.2	1.2	4.7	14.3	7	>18	10		V,*
2353	17 27 33.7	-26 28 18.2	0.3	4.1	17.0	11	>18	3		V,*
2354	17 27 34.4	-26 1 3.8	0.7	4.3	14.5	12	>18	8		
2355	17 27 34.5	-27 20 25.5	359.6	3.6	13.9	1	17.0	8	3.1	B,V
2356	17 27 34.5	-28 44 15.4	358.4	2.8	14.4	6	18:	5		B,V,*
2357	17 27 39.6	-28 43 41.0	358.4	2.8	17.0	11	18.0	5	1.0	
2358	17 27 39.7	-28 43 44.8	358.4	2.8	15.6	6	>18	1		V
2359	17 27 41.6	-28 15 29.7	358.8	3.1	13.8	1	17.0	10	3.2	B,V
2360	17 27 42.6	-28 1 52.1	359.0	3.2	14.4	6	16.2	12	1.8	V
2361	17 27 43.2	-28 11 21.9	358.9	3.1	16.8	3	18:	8		V,*
2362	17 27 44.8	-28 11 11.6	358.9	3.1	16.3	4	>18	6		B,V,*
2363	17 27 45.3	-27 13 18.7	359.7	3.6	16.6	1	>18	6		V,*
2364	17 27 45.3	-28 56 54.8	358.2	2.7	15.4	11	>18	8		V
2365	17 27 47.8	-27 54 42.9	359.1	3.3	15.5	6	18:	1		V
2366	17 27 52.1	-24 47 51.4	1.7	5.0	17.0	12	18:	11		V,*
2367	17 27 52.5	-25 43 57.0	0.9	4.4	17.0	9	>18	12		V,*
2368	17 27 52.7	-27 10 46.9	359.7	3.6	10:	1	16.4	8		
2369	17 27 55.5	-24 53 2.3	1.7	4.9	17.0	10	>18	9		V,*
2370	17 27 55.5	-29 38 51.7	357.7	2.3	17.3	1	18.0	7	0.7	V
2371	17 27 58.3	-28 0 38.0	359.0	3.2	16.2	6	>18	3		V,*
2372	17 27 59.0	-25 19 40.7	1.3	4.6	15.1	7	17.7	12	2.6	V
2373	17 28 3.0	-28 40 54.3	358.5	2.8	17.0	12	18.0	11	1.0	
2374	17 28 4.1	-29 25 36.6	357.9	2.4	16.9	12	>18	5		
2375	17 28 4.3	-27 10 11.2	359.8	3.6	13.0	12	18:	1		V
2376	17 28 5.1	-25 6 14.3	1.5	4.7	16.2	12	17.8	10	1.6	
2377	17 28 6.0	-27 58 4.6	359.1	3.2	15.2	10	>18	3		V,*
2378	17 28 6.2	-27 29 50.3	359.5	3.4	15.5	12	18:	4		B,V,*
2379	17 28 6.8	-26 33 24.8	0.3	3.9	17.0	5	>18	9		V,*
2380	17 28 7.1	-29 35 17.1	357.8	2.3	14.6	6	18.0	12	3.4	V
2381	17 28 7.9	-29 27 7.1	357.9	2.3	17.0	10	18:	9		V
2382	17 28 8.3	-28 27 46.7	358.7	2.9	17.0	5	>18	11		V,*
2383	17 28 10.1	-27 39 47.0	359.4	3.3	15.7	10	>18	9		V,*
2384	17 28 10.3	-26 44 3.2	0.1	3.8	17.8	11	>18	9		V,*
2385	17 28 10.8	-26 51 54.8	0.0	3.8	13.9	1	18:	8		V
2386	17 28 12.1	-27 46 46.8	359.3	3.3	16.3	3	17.5	11	1.2	V
2387	17 28 13.8	-26 46 39.7	0.1	3.8	17.3	12	>18	10		V,*
2388	17 28 14.9	-27 13 40.3	359.7	3.5	17.0	11	18:	5		V
2389	17 28 15.5	-25 38 8.3	1.1	4.4	14.7	12	>18	7		V
2390	17 28 15.7	-28 28 8.2	358.7	2.9	17.0	6	>18	4		
2391	17 28 16.6	-27 57 11.6	359.1	3.1	16.6	11	17.2	7	0.6	V
2392	17 28 16.8	-27 38 52.4	359.4	3.3	16.4	10	>18	9		B,V,*
2393	17 28 17.0	-28 1 8.7	359.1	3.1	14.9	12	>18	1		
2394	17 28 17.1	-27 56 43.3	359.1	3.1	17.0	10	17.7	9	0.7	V,*
2395	17 28 17.8	-26 43 56.0	0.2	3.8	15.3	9	17.2	3	1.9	V,*
2396	17 28 18.5	-27 39 38.2	359.4	3.3	15.6	12	18:	1		V
2397	17 28 19.2	-27 26 27.3	359.6	3.4	15.2	10	17.5	11	2.3	*
2398	17 28 19.3	-26 53 13.6	0.0	3.7	16.5	11	18:	2		V
2399	17 28 21.2	-28 16 17.4	358.9	3.0	15.8	8	18:	4		B,V,*
2400	17 28 21.2	-28 15 22.0	358.9	3.0	17.0	10	>18	9		B,V,*
2401	17 28 23.6	-27 29 46.9	359.5	3.4	15.6	9	18.0	11	2.4	B,V,*
2402	17 28 24.1	-26 46 53.7	0.1	3.8	17.0	5	18:	1		V
2403	17 28 24.8	-28 26 11.0	358.7	2.9	15.3	5	18:	12		B,V,*
2404	17 28 26.1	-27 14 3.5	359.8	3.5	17.5	11	>18	5		
2405	17 28 26.7	-27 4 48.1	359.9	3.6	15.0	1	18:	8		V
2406	17 28 28.6	-27 46 3.8	359.3	3.2	16.3	3	18:	1		V
2407	17 28 30.7	-27 7 7.4	359.9	3.6	17.0	9	>18	11		V,*
2408	17 28 32.2	-28 38 58.7	358.6	2.7	17.3	3	18:	6		V,*
2409	17 28 34.2	-28 33 47.1	358.7	2.8	14.2	12	17.8	7	3.6	
2410	17 28 34.3	-26 29 46.5	0.4	3.9	15.5	12	>18	1		V
2411	17 28 34.9	-24 51 7.6	1.8	4.8	14.0	5	17.5	7	3.5	V
2412	17 28 39.1	-29 14 43.7	358.1	2.4	15.0	6	>18	1		V
2413	17 28 39.2	-29 5 19.0	358.2	2.4	17.5	7	>18	9		V,*
2414	17 28 39.9	-28 59 22.9	358.3	2.5	15.2	10	17.7	8	2.5	
2415	17 28 40.0	-28 13 12.9	359.0	2.9	14.3	12	>18	1		V
2416	17 28 42.0	-25 50 9.4	1.0	4.2	17.2	3	>18	8		V,*
2417	17 28 45.8	-26 11 12.2	0.7	4.0	15.0	1	>18	4		
2418	17 28 48.1	-28 11 51.8	359.0	2.9	16.2	12	>18	1		
2419	17 28 48.5	-28 42 27.2	358.6	2.6	17.0	9	17.8	10	0.8	V,*
2420	17 28 49.5	-27 33 38.5	359.5	3.3	15.9	11	>18	1		V,*
2421	17 28 51.2	-26 6 37.7	0.7	4.0	15.0	10	18:	12		V,*
2422	17 28 53.9	-25 48 0.5	1.0	4.2	16.4	10	18:	9		V,*
2423	17 28 55.4	-27 3 18.3	360.0	3.5	17.0	11	>18	5		V,*
2424	17 28 56.0	-27 44 20.4	359.4	3.1	17.4	1	18:	11		B,V,*
2425	17 28 57.3	-28 55 28.0	358.4	2.5	16.4	10	17.7	9	1.3	B,V,*
2426	17 29 3.4	-25 28 5.8	1.3	4.4	17.5	11	18.0	7	0.5	
2427	17 29 3.6	-28 30 6.1	358.8	2.7	17.0	9	>18	10		V,*
2428	17 29 4.6	-28 4 57.2	359.1	2.9	16.2	6	>18	4		V,*
2429	17 29 5.3	-26 31 27.9	0.4	3.8	15.9	1	18:	8		V,*
2430	17 29 5.8	-26 3 49.6	0.8	4.0	17.7	5	>18	11		V,*
2431	17 29 6.3	-27 42 20.4	359.4	3.1	15.0	1	17.7	8	2.7	B,V,*
2432	17 29 9.5	-28 54 33.5	358.4	2.5	17.0	11	>18	1		V
2433	17 29 10.2	-28 53 57.1	358.5	2.5	15.4	11	18:	5		V,*
2434	17 29 10.4	-25 28 41.9	1.3	4.3	15.0	10	>18	11		V,*
2435	17 29 10.5	-29 5 36.9	358.3	2.4	16.4	10	17.7	9	1.3	V,*
2436	17 29 10.6	-28 11 19.7	359.0	2.8	15.6	12	18:	1		
2437	17 29 13.7	-24 41 13.4	2.0	4.8	13.0	10	18:	9		B,V,*
2438	17 29 14.0	-27 58 8.7	359.2	3.0	15.5	12	>18	8		V
2439	17 29 14.7	-27 17 18.5	359.8	3.3	14.9	10	18:	1		B,V
2440	17 29 16.1	-25 6 19.2	1.6	4.5	13.6	10	>18	9		V,*
2441	17 29 17.2	-28 54 22.9	358.5	2.4	16.2	11	16.6	7	0.4	V
2442	17 29 18.2	-27 3 51.0	0.0	3.4	16.4	5	>18	9		V,*
2443	17 29 19.3	-25 40 54.0	1.2	4.2	14.0	1	17.7	3	3.7	
2444	17 29 19.5	-28 5 16.6	359.1	2.9	13.8	1	16.4	8	2.6	V
2445	17 29 25.0	-26 20 18.1	0.6	3.8	11.2	1	17.7	6	6.5	V
2446	17 29 25.2	-28 54 9.1	358.5	2.4	17.0	10	18:	9		V,*
2447	17 29 26.9	-28 40 45.8	358.7	2.5	15.6	9	17.8	10	2.2	V,*
2448	17 29 28.9	-27 27 28.0	359.7	3.2	17.3	6	>18	8		*
2449	17 29 29.0	-25 58 18.7	0.9	4.0	16.5	12	>18	1		
2450	17 29 29.6	-26 2 40.8	0.9	4.0	16.2	12	18:	3		V
2451	17 29 31.1	-27 3 53.5	0.0	3.4	16.3	4	17.5	11	1.2	V
2452	17 29 32.6	-28 59 46.9	358.4	2.3	17.0	10	>18	9		*
2453	17 29 32.6	-28 36 23.6	358.7	2.6	17.8	11	>18	9		V,*
2454	17 29 33.3	-27 34 28.2	359.6	3.1	16.0	9	18:	12		B,V,*

TABLE 2. *(continued)*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
2455	17 29 34.0	-24 47 37.7	1.9	4.6	14.5	10	18:	9		V,*
2456	17 29 34.2	-29 13 16.7	358.2	2.2	15.0	1	17.5	11	2.5	
2457	17 29 35.3	-27 14 25.4	359.9	3.3	12.8	1	17.7	6	4.9	V
2458	17 29 37.4	-27 34 3.5	359.6	3.1	16.8	4	18:	12		V
2459	17 29 38.4	-25 14 31.0	1.6	4.4	15.6	10	>18	9		V
2460	17 29 38.7	-28 6 16.0	359.2	2.8	16.8	7	>18	9		V,*
2461	17 29 38.7	-28 22 3.1	359.0	2.7	14.7	5	17.8	12	3.1	V
2462	17 29 40.8	-28 0 49.7	359.3	2.9	15.0	5	18.0	11	3.0	V
2463	17 29 42.9	-29 35 43.3	357.9	2.0	17.2	1	17.7	9	0.5	V
2464	17 29 43.1	-24 46 22.7	2.0	4.6	15.3	11	>18	5		B,V
2465	17 29 44.4	-26 0 59.8	0.9	3.9	17.0	11	>18	6		
2466	17 29 45.8	-26 9 51.9	0.8	3.8	16.6	1	17.3	6	0.7	B,V
2467	17 29 45.8	-27 27 7.4	359.7	3.1	16.3	4	18:	1		V
2468	17 29 46.1	-27 13 7.5	359.9	3.3	14.9	4	>18	6		V
2469	17 29 46.5	-28 52 36.3	358.5	2.4	17.0	8	>18	4		V,*
2470	17 29 47.8	-26 24 3.5	0.6	3.7	13.9	1	>18	8		V,*
2471	17 29 48.2	-29 43 28.5	357.8	1.9	14.7	3	18:	8		V
2472	17 29 49.1	-27 16 16.9	359.9	3.2	15.2	11	17.5	5	2.3	V
2473	17 29 49.7	-27 27 50.5	359.7	3.1	13.9	1	16.9	12	3.0	
2474	17 29 49.9	-25 2 18.7	1.8	4.5	16.2	12	18:	10		V
2475	17 29 51.4	-26 15 4.5	0.8	3.8	18.0	11	>18	10		V,*
2476	17 29 51.4	-26 31 13.1	0.5	3.6	17.7	5	>18	11		
2477	17 29 52.7	-28 36 1.6	358.8	2.5	16.6	10	>18	9		V,*
2478	17 29 53.6	-29 22 49.3	358.1	2.1	16.0	12	18:	3		V
2479	17 29 55.1	-27 24 55.0	359.8	3.1	17.7	8	>18	1		V,*
2480	17 29 55.1	-27 18 8.7	359.9	3.2	16.0	7	>18	12		V
2481	17 29 56.6	-27 35 35.5	359.6	3.0	17.5	7	>18	11		B,V
2482	17 29 58.9	-27 27 36.5	359.8	3.1	10.5	1	>18	3		*
2483	17 30 3.2	-26 15 9.0	0.8	3.7	17.7	7	>18	11		V,*
2484	17 30 3.3	-26 40 54.4	0.4	3.5	12.4	4	17.2	12	4.8	V
2485	17 30 4.5	-28 1 33.0	359.3	2.8	16.9	12	18:	11		V
2486	17 30 4.5	-27 32 26.1	359.7	3.0	16.3	4	>18	6		V
2487	17 30 4.6	-28 46 15.1	358.7	2.4	14.7	12	17.2	3	2.5	V
2488	17 30 5.1	-28 15 9.6	359.1	2.6	16.6	1	17.6	12	1.0	B,V
2489	17 30 5.7	-28 7 35.8	359.2	2.7	17.6	5	18:	12		V
2490	17 30 6.5	-29 22 30.2	358.2	2.0	13.8	3	17.7	8	3.9	V
2491	17 30 7.8	-27 30 40.8	359.7	3.0	14.2	11	16.2	5	2.0	V
2492	17 30 8.2	-27 12 10.1	360.0	3.2	17.0	9	>18	10		V,*
2493	17 30 8.4	-28 3 41.3	359.3	2.7	16.9	12	>18	7		
2494	17 30 8.7	-28 26 19.8	359.0	2.5	14.6	8	18:	11		B,V,*
2495	17 30 9.0	-26 31 49.5	0.6	3.6	14.3	12	>18	10		B,V,*
2496	17 30 9.8	-27 58 15.6	359.3	2.8	15.6	12	>18	3		
2497	17 30 10.0	-26 52 8.3	0.3	3.4	13.0	12	18:	8		B,V
2498	17 30 10.2	-26 59 9.7	0.2	3.3	12.8	1	16.9	11	4.1	V
2499	17 30 10.5	-28 20 20.3	359.0	2.6	17.0	10	>18	3		V,*
2500	17 30 12.2	-27 13 19.4	360.0	3.2	13.2	12	18:	1		B,V
2501	17 30 12.8	-27 59 42.4	359.3	2.8	15.5	6	18:	11		V
2502	17 30 14.7	-28 0 20.3	359.3	2.8	15.7	4	18:	11		V
2503	17 30 15.4	-25 5 42.1	1.8	4.3	15.6	10	>18	5		V
2504	17 30 18.5	-27 51 31.8	359.5	2.8	15.0	6	18:	12		V,*
2505	17 30 19.4	-26 57 4.6	0.2	3.3	17.2	3	18:	11		V
2506	17 30 27.2	-29 19 22.2	358.3	2.0	15.9	11	>18	8		
2507	17 30 27.4	-27 47 19.0	359.5	2.8	17.3	3	>18	8		V
2508	17 30 27.9	-28 2 21.5	359.3	2.7	15.1	10	17.7	9	2.6	V,*
2509	17 30 29.3	-25 4 31.4	1.8	4.3	17.0	9	18.0	10	1.0	V
2510	17 30 32.3	-28 41 25.8	358.8	2.3	16.4	8	18:	11		V,*
2511	17 30 33.9	-26 52 5.3	0.3	3.3	14.6	10	>18	3		V,*
2512	17 30 35.8	-26 45 21.2	0.4	3.4	17.0	10	>18	9		*
2513	17 30 39.3	-27 17 27.3	360.0	3.1	<8:	12	18:	4		B,V
2514	17 30 39.5	-25 56 47.2	1.1	3.8	13.9	1	>18	12		V
2515	17 30 39.5	-29 33 15.8	358.1	1.8	15.8	8	>18	3		B,V
2516	17 30 40.7	-29 43 18.4	357.9	1.7	14.5	12	18:	7		V
2517	17 30 41.0	-28 31 0.7	359.0	2.4	17.5	3	>18	12		V,*
2518	17 30 42.0	-27 53 58.4	359.5	2.7	17.3	1	18:	4		V,*
2519	17 30 43.9	-28 9 42.7	359.3	2.6	17.3	1	>18	11		V,*
2520	17 30 44.1	-27 18 19.1	360.0	3.0	17.4	3	>18	7		V
2521	17 30 44.3	-29 18 52.7	358.3	1.9	17.0	11	>18	2		V
2522	17 30 45.8	-29 43 44.9	357.9	1.7	16.7	7	>18	12		
2523	17 30 46.1	-24 54 23.4	2.0	4.3	15.5	5	17.0	9	1.5	B,V,*
2524	17 30 46.5	-26 33 36.1	0.6	3.4	14.9	4	17.7	6	2.8	B,*
2525	17 30 46.6	-29 27 35.0	358.2	1.9	15.0	12	>18	1		B
2526	17 30 47.6	-27 15 18.8	0.0	3.1	10.5	12	17.6	4	7.1	V,*
2527	17 30 48.9	-27 15 46.9	0.0	3.1	15.0	10	17.7	5	2.7	V,*
2528	17 30 49.2	-27 6 16.8	0.2	3.1	12.8	1	>18	8		V,*
2529	17 30 49.9	-29 10 16.9	358.4	2.0	14.4	6	>18	4		V
2530	17 30 50.0	-29 45 31.8	357.9	1.7	15.8	2	>18	8		V
2531	17 30 50.2	-26 12 45.7	0.9	3.6	17.2	1	>18	11		V
2532	17 30 50.2	-26 9 47.8	0.9	3.6	17.6	12	>18	3		V
2533	17 30 50.7	-26 28 49.0	0.7	3.5	15.8	12	18:	8		
2534	17 30 51.8	-26 31 45.2	0.6	3.4	12.8	1	18:	12		V
2535	17 30 52.2	-27 24 34.0	359.9	3.0	17.2	1	18.0	11	0.8	V
2536	17 30 52.7	-28 16 13.6	359.2	2.5	12.7	3	18:	4		B,V,*
2537	17 30 53.1	-28 55 3.2	358.6	2.1	17.7	12	>18	3		V
2538	17 30 53.2	-24 48 9.7	2.1	4.4	15.1	7	18.0	12	2.9	V
2539	17 30 55.1	-26 10 35.9	0.9	3.6	12.8	5	18:	3		B,V,*
2540	17 30 55.2	-27 57 15.2	359.5	2.7	17.0	6	>18	1		
2541	17 30 57.0	-26 19 25.8	0.8	3.5	17.7	11	>18	12		V
2542	17 30 57.5	-29 26 50.7	358.2	1.8	15.5	12	>18	1		B
2543	17 30 58.6	-29 18 38.6	358.3	1.9	17.0	12	>18	5		V
2544	17 31 2.0	-27 50 49.7	359.6	2.7	15.8	11	>18	3		B,V
2545	17 31 2.1	-27 44 43.7	359.6	2.7	13.8	6	>18	4		B,V,*
2546	17 31 2.2	-28 13 2.0	359.2	2.5	16.8	3	17.6	12	0.8	
2547	17 31 5.5	-26 4 10.1	1.1	3.7	15.7	2	>18	8		V
2548	17 31 5.8	-28 11 58.7	359.3	2.5	13.9	4	18:	1		B,V
2549	17 31 6.4	-27 10 17.6	0.1	3.0	17.3	12	18:	5		
2550	17 31 6.9	-28 55 33.0	358.7	2.1	16.4	10	>18	9		V,*
2551	17 31 7.1	-26 7 28.6	1.0	3.6	11.8	12	18:	3		B,V
2552	17 31 7.7	-27 48 46.6	359.6	2.7	17.2	10	>18	9		B,V,*
2553	17 31 8.4	-28 55 59.9	358.7	2.1	15.0	6	18:	10		V
2554	17 31 8.6	-26 26 54.8	0.7	3.4	16.0	2	>18	8		V
2555	17 31 9.1	-29 4 29.7	358.5	2.0	17.0	10	>18	5		*
2556	17 31 10.1	-29 26 20.5	358.2	1.8	14.7	12	>18	1		B,V
2557	17 31 10.1	-26 31 16.9	0.7	3.4	16.4	11	>18	9		B,*
2558	17 31 12.9	-27 21 16.6	360.0	2.9	16.3	4	18:	11		V
2559	17 31 13.6	-29 40 16.5	358.1	1.7	15.0	10	>18	9		
2560	17 31 14.4	-28 59 51.5	358.6	2.0	14.9	6	16.9	12	2.0	
2561	17 31 15.0	-29 47 43.9	358.0	1.6	17.0	11	>18	9		V
2562	17 31 15.3	-26 24 14.6	0.8	3.4	15.0	6	>18	4		B,V,*
2563	17 31 16.0	-26 16 30.8	0.9	3.5	15.9	1	17.8	6	1.9	
2564	17 31 16.4	-29 9 45.0	358.5	1.9	16.8	12	>18	8		V
2565	17 31 17.1	-29 31 57.0	358.2	1.7	17.7	5	>18	11		B,V
2566	17 31 18.1	-29 54 9.2	357.9	1.5	16.4	11	18:	9		V
2567	17 31 19.2	-29 18 10.9	358.4	1.8	17.2	1	>18	8		
2568	17 31 19.3	-29 51 4.5	357.9	1.5	16.4	11	18:	9		V
2569	17 31 19.3	-26 42 40.8	0.5	3.3	8.5:	1	14.3	7		V
2570	17 31 19.5	-26 44 12.4	0.5	3.2	15.9	7	>18	9		V
2571	17 31 20.3	-29 9 39.8	358.5	1.9	17.7	5	>18	11		
2572	17 31 21.4	-28 17 19.6	359.2	2.4	15.0	1	17.0	8	2.0	B,V,*
2573	17 31 22.2	-26 54 58.3	0.4	3.1	13.9	1	18:	11		B,V,*
2574	17 31 22.5	-27 56 46.8	359.5	2.6	15.5	12	>18	10		

TABLE 2. *(continued)*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
2575	17 31 24.0	-29 0 2.2	358.6	2.0	10.5	4	14.2	12	3.7	V
2576	17 31 24.5	-26 15 53.5	0.9	3.5	17.6	11	>18	7		V
2577	17 31 25.8	-26 30 54.2	0.7	3.3	15.8	11	>18	9		V,*
2578	17 31 26.2	-27 29 1.5	359.9	2.8	17.5	1	>18	8		V
2579	17 31 27.7	-27 17 53.6	0.1	2.9	15.1	6	>18	11		V
2580	17 31 28.4	-27 46 41.3	359.7	2.6	14.9	2	18:	11		B,V,*
2581	17 31 28.9	-29 41 0.0	358.1	1.6	16.2	12	18:	1		V
2582	17 31 29.0	-27 27 28.5	359.9	2.8	17.3	1	18:	8		*
2583	17 31 29.6	-27 19 52.6	0.0	2.9	17.7	8	>18	3		V
2584	17 31 29.7	-27 25 39.9	360.0	2.8	15.0	1	17.6	8	2.6	
2585	17 31 29.9	-26 39 35.5	0.6	3.3	16.5	11	17.0	12	0.5	B,V
2586	17 31 31.5	-26 17 46.4	0.9	3.4	16.8	4	17.6	12	0.8	
2587	17 31 32.9	-27 57 49.4	359.5	2.5	13.9	4	18:	6		V,*
2588	17 31 34.0	-27 10 13.9	0.2	3.0	16.2	12	>18	8		V
2589	17 31 34.1	-29 35 18.5	358.2	1.6	16.2	12	18:	10		V
2590	17 31 34.9	-27 31 10.7	359.9	2.8	13.8	6	18:	4		V,*
2591	17 31 35.0	-28 3 34.4	359.4	2.5	15.2	10	18:	3		*
2592	17 31 37.3	-29 29 36.7	358.2	1.7	16.3	5	>18	9		B,V
2593	17 31 39.9	-27 51 20.3	359.6	2.6	16.5	10	18:	3		V,*
2594	17 31 40.1	-26 14 35.9	1.0	3.4	14.2	3	15.5	12	1.3	
2595	17 31 41.5	-26 43 41.1	0.6	3.2	15.5	12	18:	8		
2596	17 31 42.2	-26 50 15.3	0.5	3.1	12.7	3	16.7	6	4.0	B,V
2597	17 31 43.1	-27 44 53.2	359.7	2.6	14.4	6	17.6	4	3.3	V,*
2598	17 31 44.4	-27 11 0.9	0.2	2.9	10.5	4	16.9	12	6.4	B,V,*
2599	17 31 45.5	-27 31 43.7	359.9	2.7	16.9	12	18.0	11	1.9	V
2600	17 31 46.0	-28 46 25.1	358.9	2.1	16.7	7	>18	5		V,*
2601	17 31 46.2	-24 49 3.9	2.2	4.2	16.2	9	18:	6		
2602	17 31 47.3	-29 25 37.5	358.3	1.7	15.0	1	>18	8		V
2603	17 31 48.0	-27 32 58.3	359.9	2.7	14.9	12	18:	8		V
2604	17 31 49.6	-29 39 41.9	358.1	1.6	15.0	12	>18	10		V
2605	17 31 51.2	-26 19 2.6	0.9	3.4	16.4	10	>18	5		V,*
2606	17 31 51.2	-28 19 51.8	359.3	2.3	14.1	4	17.8	12	3.7	V,*
2607	17 31 52.0	-28 28 24.3	359.1	2.2	14.6	10	17.7	9	3.1	*
2608	17 31 52.8	-27 38 22.6	359.8	2.6	14.0	5	18:	11		V
2609	17 31 52.8	-29 33 56.8	358.2	1.6	15.0	6	18:	5		
2610	17 31 53.2	-26 21 28.4	0.9	3.3	12.8	1	17.2	3	4.4	B,V
2611	17 31 53.3	-26 57 16.4	0.4	3.0	16.3	5	>18	4		V
2612	17 31 54.4	-26 6 33.9	1.1	3.5	15.9	10	17.7	9	1.8	V,*
2613	17 31 54.6	-27 20 56.0	0.1	2.8	16.8	7	>18	12		V,*
2614	17 31 54.7	-28 19 11.7	359.3	2.3	14.9	6	18:	11		V,*
2615	17 31 55.2	-27 8 17.6	0.3	2.9	12.3	2	18:	8		B,V
2616	17 31 55.9	-25 31 16.3	1.6	3.8	16.4	9	18:	10		V,*
2617	17 31 56.6	-29 30 29.8	358.3	1.6	15.8	8	18.0	12	2.2	V
2618	17 31 58.2	-26 21 14.8	0.9	3.3	10:	1	17.5	6		V,*
2619	17 32 0.2	-29 41 58.2	358.1	1.5	16.0	2	>18	11		V
2620	17 32 0.6	-25 56 8.8	1.3	3.5	14.2	1	16.7	6	2.5	V
2621	17 32 1.6	-25 57 2.2	1.3	3.5	17.6	1	>18	12		V
2622	17 32 1.8	-28 0 58.2	359.5	2.4	16.2	5	18:	1		B,V,*
2623	17 32 2.1	-27 56 0.1	359.6	2.5	14.7	3	17.2	6	2.5	B,V,*
2624	17 32 2.4	-26 59 24.7	0.4	3.0	15.5	5	18:	11		B,V
2625	17 32 3.9	-25 36 17.6	1.6	3.7	17.0	10	>18	9		*
2626	17 32 4.1	-29 21 37.3	358.4	1.7	17.5	3	>18	8		V
2627	17 32 4.8	-24 55 35.9	2.1	4.1	14.9	9	18.0	12	3.1	V
2628	17 32 5.2	-28 1 36.2	359.5	2.4	15.9	7	>18	12		V,*
2629	17 32 6.5	-26 47 18.2	0.6	3.1	10.5	5	18:	12		B,V
2630	17 32 7.5	-28 28 26.8	359.2	2.1	15.6	10	>18	9		V,*
2631	17 32 7.6	-26 22 50.2	0.9	3.3	16.2	12	>18	4		V
2632	17 32 7.9	-27 29 50.4	360.0	2.7	13.9	12	18:	8		B,V,*
2633	17 32 8.5	-27 12 4.9	0.2	2.8	16.1	2	18:	11		V
2634	17 32 8.7	-28 7 39.9	359.5	2.3	15.9	1	18:	8		V,*
2635	17 32 9.1	-25 39 50.7	1.5	3.7	16.0	10	>18	5		*
2636	17 32 10.2	-29 27 30.8	358.3	1.6	16.4	7	>18	9		
2637	17 32 10.7	-26 51 54.3	0.5	3.0	11.0	12	15.0	11	4.0	V
2638	17 32 11.0	-25 42 6.5	1.5	3.6	15.3	6	18:	1		
2639	17 32 11.4	-27 9 52.2	0.3	2.8	11.3	4	18:	12		B,V,*
2640	17 32 11.8	-26 20 27.3	1.0	3.3	14.8	3	>18	8		V
2641	17 32 12.0	-26 50 17.2	0.5	3.0	15.0	1	17.3	6	2.3	B,V
2642	17 32 16.4	-27 22 31.4	0.1	2.7	16.4	11	17.6	12	1.2	V,*
2643	17 32 16.7	-26 54 13.7	0.5	3.0	15.8	8	18:	12		
2644	17 32 17.4	-27 15 19.5	0.2	2.8	12.5	12	>18	4		B,V
2645	17 32 18.2	-27 41 24.7	359.8	2.5	16.9	12	>18	8		
2646	17 32 18.3	-27 29 7.5	0.0	2.7	15.8	12	17.8	10	2.0	B,V,*
2647	17 32 18.7	-26 11 29.6	1.1	3.4	13.9	1	17.6	8	3.7	
2648	17 32 19.2	-29 18 21.8	358.5	1.7	17.0	10	>18	5		
2649	17 32 19.7	-27 15 57.9	0.2	2.8	11.5	10	16.5	7	5.0	B,V,*
2650	17 32 20.3	-26 52 5.4	0.5	3.0	16.3	3	>18	7		V
2651	17 32 20.6	-28 41 30.4	359.0	2.0	15.4	11	18:	1		V
2652	17 32 23.8	-27 26 34.6	0.1	2.7	15.8	8	18:	4		B,V,*
2653	17 32 24.6	-24 44 49.2	2.3	4.1	16.2	12	17.5	3	1.3	V
2654	17 32 24.7	-28 20 12.6	359.3	2.2	15.6	1	>18	8		V,*
2655	17 32 26.4	-27 29 20.9	0.0	2.6	14.2	12	>18	3		
2656	17 32 26.4	-29 32 25.9	358.3	1.5	16.8	4	18:	3		V
2657	17 32 26.6	-28 49 47.2	358.9	1.9	17.0	11	18:	5		V,*
2658	17 32 26.6	-28 53 13.8	358.9	1.9	15.7	6	>18	4		V,*
2659	17 32 27.6	-27 1 4.2	0.4	2.9	16.6	1	18:	11		B,V,*
2660	17 32 28.3	-25 51 51.6	1.4	3.5	16.6	10	>18	9		V,*
2661	17 32 28.6	-25 6 22.4	2.0	3.9	14.7	5	17.5	11	2.8	B,V,*
2662	17 32 29.7	-27 29 43.6	0.0	2.6	17.3	1	18:	12		V
2663	17 32 30.8	-25 8 41.9	2.0	3.9	16.4	11	18.0	5	1.6	
2664	17 32 31.1	-24 42 23.6	2.4	4.1	13.6	10	>18	9		V,*
2665	17 32 31.9	-27 26 10.9	0.1	2.6	15.0	10	18:	9		*
2666	17 32 32.2	-29 9 53.7	358.6	1.7	14.9	4	18:	9		B,V,*
2667	17 32 32.3	-27 1 13.6	0.4	2.9	15.3	11	15.9	12	0.6	V
2668	17 32 33.3	-27 33 56.3	360.0	2.6	15.0	1	17.6	12	2.6	V
2669	17 32 33.5	-28 51 48.1	358.9	1.9	17.7	9	>18	11		V,*
2670	17 32 33.7	-27 43 16.8	359.8	2.5	16.5	10	>18	5		V,*
2671	17 32 34.1	-25 5 39.0	2.1	3.9	14.0	5	18.0	12	4.0	V
2672	17 32 39.1	-25 37 43.2	1.6	3.6	17.5	7	>18	12		V
2673	17 32 40.0	-27 14 49.5	0.3	2.7	15.2	7	17.0	11	1.8	V,*
2674	17 32 40.6	-27 8 24.6	0.4	2.8	16.4	10	>18	9		B,V,*
2675	17 32 40.7	-26 41 56.3	0.7	3.0	10:	1	16.4	8		B,V
2676	17 32 40.7	-27 15 7.0	0.3	2.7	16.6	1	18:	12		B,V,*
2677	17 32 41.3	-27 41 24.3	359.9	2.5	15.0	1	>18	11		V
2678	17 32 41.4	-26 37 54.6	0.8	3.0	16.6	11	>18	4		V,*
2679	17 32 42.6	-29 18 32.0	358.5	1.6	17.8	11	>18	9		
2680	17 32 43.1	-25 47 24.5	1.5	3.5	17.5	10	18:	12		V,*
2681	17 32 43.3	-26 38 0.4	0.8	3.0	16.2	6	>18	12		B
2682	17 32 43.3	-26 9 35.6	1.2	3.3	16.6	10	>18	9		V,*
2683	17 32 44.5	-25 26 33.2	1.8	3.7	17.5	7	>18	12		V
2684	17 32 44.5	-24 59 22.0	2.2	3.9	17.5	7	>18	5		V
2685	17 32 46.6	-26 3 53.0	1.3	3.3	15.9	1	>18	12		V
2686	17 32 47.0	-26 17 33.7	1.1	3.2	16.6	1	18:	12		V
2687	17 32 48.1	-28 48 2.7	359.0	1.8	16.5	1	17.7	8	1.2	V
2688	17 32 49.2	-27 39 9.7	359.9	2.5	15.8	11	18:	9		V,*
2689	17 32 49.6	-26 32 25.3	0.9	3.1	15.1	6	18:	3		V,*
2690	17 32 50.7	-26 51 40.4	0.6	2.9	14.9	3	15.9	12	1.0	V,*
2691	17 32 50.9	-26 59 6.0	0.5	2.8	16.6	10	>18	3		V,*
2692	17 32 51.9	-26 51 56.6	0.6	2.9	17.7	8	>18	1		
2693	17 32 51.9	-27 35 30.7	360.0	2.5	17.3	1	>18	8		
2694	17 32 52.9	-27 20 33.6	0.2	2.6	16.2	12	18:	1		V

TABLE 2. (*continued*)

No.	R.A. (1950.0)	D.	l	b	R[Max]	E	R[Min]	E	A	Remarks
	h m s	d ' "	d	d						
2695	17 32 53.2	-26 48 16.8	0.7	2.9	11.0	12	18:	3		V
2696	17 32 53.5	-27 57 4.9	359.7	2.3	11.5	6	16.9	12	5.4	B,V
2697	17 32 54.1	-27 53 15.7	359.7	2.3	17.0	10	>18	9		V,*
2698	17 32 54.7	-27 25 17.9	0.1	2.6	15.0	1	18:	11		
2699	17 32 55.6	-25 45 13.7	1.5	3.5	14.8	11	17.5	7	2.7	V
2700	17 32 55.6	-26 45 37.6	0.7	2.9	12.8	1	16.4	8	3.6	B,*
2701	17 32 55.8	-25 13 2.7	2.0	3.8	15.5	5	>18	12		V
2702	17 32 56.1	-28 35 10.2	359.2	1.9	16.8	3	18:	11		V
2703	17 32 57.3	-27 54 10.3	359.7	2.3	17.5	7	>18	12		V,*
2704	17 32 59.2	-29 41 47.8	358.2	1.3	17.0	8	18:	11		V
2705	17 32 59.3	-27 13 8.8	0.3	2.7	14.9	3	16.9	12	2.0	B,V,*
2706	17 32 59.5	-29 31 35.8	358.4	1.4	16.5	2	18:	12		V
2707	17 32 59.9	-27 33 54.3	0.0	2.5	13.9	12	18:	4		B,V
2708	17 33 1.1	-26 36 1.7	0.8	3.0	13.9	4	18:	9		V,*
2709	17 33 1.7	-29 2 23.5	358.8	1.7	14.9	12	>18	1		V
2710	17 33 2.8	-27 5 49.7	0.4	2.7	12.8	1	16.5	3	3.7	V
2711	17 33 2.9	-25 31 42.7	1.8	3.6	15.9	7	>18	5		V
2712	17 33 3.4	-28 53 35.1	358.9	1.7	13.5	6	16.9	11	3.4	
2713	17 33 3.5	-29 41 3.5	358.3	1.3	17.0	12	17.7	9	0.7	V
2714	17 33 8.2	-28 52 18.8	358.9	1.7	17.5	7	>18	11		V,*
2715	17 33 8.3	-26 51 59.3	0.6	2.8	15.0	1	17.2	3	2.2	V
2716	17 33 8.9	-27 50 39.2	359.8	2.3	17.0	10	>18	9		V,*
2717	17 33 10.8	-27 9 42.5	0.4	2.7	11.7	1	16.2	12	4.5	V,*
2718	17 33 12.1	-27 4 26.3	0.5	2.7	12.8	1	18:	8		V,*
2719	17 33 13.3	-25 11 24.2	2.1	3.7	17.5	7	18:	11		V
2720	17 33 13.5	-27 30 39.1	0.1	2.5	15.9	1	18:	6		
2721	17 33 14.8	-25 42 43.7	1.6	3.4	17.0	10	18:	9		V,*
2722	17 33 16.3	-25 9 53.6	2.1	3.7	16.4	11	>18	5		V
2723	17 33 17.3	-27 51 39.3	359.8	2.3	17.0	7	>18	5		V,*
2724	17 33 18.2	-28 24 4.2	359.4	2.0	17.0	5	18:	7		
2725	17 33 18.8	-26 57 27.1	0.6	2.8	14.0	12	>18	3		B,V
2726	17 33 19.4	-26 49 25.0	0.7	2.8	14.8	11	17.2	3	2.4	V
2727	17 33 21.5	-27 13 21.6	0.4	2.6	14.9	12	17.2	4	2.3	V
2728	17 33 24.3	-27 32 10.9	0.1	2.4	14.0	12	16.4	9	2.4	V,*
2729	17 33 24.3	-27 56 32.7	359.8	2.2	16.4	9	18:	3		V,*
2730	17 33 28.8	-28 24 34.8	359.4	1.9	17.5	7	>18	12		V
2731	17 33 29.3	-27 28 46.6	0.2	2.4	16.4	12	17.5	10	1.1	V,*
2732	17 33 29.3	-24 57 24.1	2.3	3.8	15.9	11	18:	5		
2733	17 33 30.7	-27 11 20.9	0.4	2.6	10.9	1	17.2	4	6.3	B,V
2734	17 33 31.9	-26 27 50.0	1.0	3.0	16.4	3	18:	11		V
2735	17 33 32.5	-26 20 3.2	1.1	3.0	17.0	11	>18	3		
2736	17 33 33.3	-27 21 59.6	0.3	2.5	14.8	4	18:	5		V
2737	17 33 33.7	-25 11 4.7	2.1	3.7	13.6	10	>18	9		V,*
2738	17 33 38.3	-26 13 39.6	1.2	3.1	16.6	10	>18	3		V,*
2739	17 33 38.6	-27 34 35.5	0.1	2.4	16.2	6	>18	4		V,*
2740	17 33 39.2	-28 33 35.7	359.3	1.8	14.9	6	>18	4		V
2741	17 33 39.3	-26 20 47.5	1.1	3.0	10:	1	17.0	8		V
2742	17 33 39.5	-27 32 52.6	0.1	2.4	17.0	11	18:	1		
2743	17 33 40.2	-27 12 29.4	0.4	2.5	15.6	10	>18	12		V,*
2744	17 33 42.7	-26 49 14.0	0.7	2.8	14.9	12	18:	5		
2745	17 33 42.7	-26 49 14.2	0.7	2.8	15.1	6	18:	11		V
2746	17 33 43.3	-26 53 38.3	0.7	2.7	16.4	4	17.7	6	1.3	B,V
2747	17 33 43.5	-27 9 28.4	0.5	2.6	17.4	5	>18	12		V,*
2748	17 33 43.6	-29 5 42.2	358.8	1.5	16.2	2	17.6	12	1.4	V
2749	17 33 44.2	-28 43 8.8	359.1	1.7	17.5	11	>18	5		V
2750	17 33 44.3	-28 14 21.7	359.6	2.0	17.3	11	>18	3		*
2751	17 33 45.3	-27 19 58.5	0.3	2.5	15.3	8	18:	2		V
2752	17 33 45.3	-28 42 2.7	359.2	1.7	17.5	11	>18	12		V,*
2753	17 33 48.7	-28 46 59.8	359.1	1.7	17.8	11	>18	9		*
2754	17 33 49.4	-25 37 54.8	1.8	3.4	17.0	5	18.0	12	1.0	
2755	17 33 49.9	-26 30 2.0	1.0	2.9	15.0	6	18:	12		V,*
2756	17 33 50.1	-26 14 28.0	1.2	3.0	16.8	3	>18	11		V
2757	17 33 50.8	-25 49 1.9	1.6	3.3	16.3	12	>18	1		
2758	17 33 50.9	-27 2 25.2	0.6	2.6	11.3	4	15.2	8	3.9	
2759	17 33 52.4	-28 26 3.8	359.4	1.8	15.6	9	>18	3		V,*
2760	17 33 55.2	-26 15 5.4	1.2	3.0	17.5	9	>18	11		V
2761	17 33 55.8	-28 51 8.1	359.1	1.6	16.9	7	18:	12		V
2762	17 33 56.8	-29 26 13.4	358.6	1.3	17.2	1	18:	11		
2763	17 33 58.0	-26 15 10.6	1.3	3.0	16.2	12	>18	7		
2764	17 33 58.2	-29 40 7.8	358.2	1.2	17.2	7	>18	10		V
2765	17 34 0.6	-28 56 24.0	359.0	1.5	11.5	11	17.8	1	6.3	V
2766	17 34 0.7	-29 12 38.7	358.8	1.4	17.4	7	>18	12		V
2767	17 34 1.1	-27 0 36.4	0.6	2.6	17.7	9	>18	11		V,*
2768	17 34 1.2	-27 25 30.8	0.3	2.4	16.2	6	>18	1		V
2769	17 34 2.6	-27 5 50.3	0.6	2.5	17.7	8	>18	1		V
2770	17 34 2.7	-27 11 29.7	0.5	2.5	16.5	8	>18	3		B,V
2771	17 34 4.1	-28 18 33.6	359.5	1.9	16.8	3	>18	9		V,*
2772	17 34 5.1	-27 12 13.3	0.5	2.5	12.8	1	18:	8		V,*
2773	17 34 5.2	-25 30 0.9	1.9	3.4	16.3	5	18:	7		V
2774	17 34 5.6	-27 26 33.0	0.3	2.3	16.6	1	>18	11		V,*
2775	17 34 7.8	-26 31 44.9	1.0	2.8	11.0	1	17.8	6	6.8	B,V,*
2776	17 34 7.9	-28 30 18.8	359.4	1.8	16.6	1	18:	12		V
2777	17 34 8.0	-27 8 17.2	0.5	2.5	16.3	5	>18	11		V,*
2778	17 34 8.6	-27 21 15.2	0.3	2.4	16.2	5	>18	11		V,*
2779	17 34 8.8	-26 30 11.9	1.1	2.8	17.0	5	>18	10		V
2780	17 34 9.6	-26 56 32.7	0.7	2.6	15.9	1	17.6	3	1.7	B,V
2781	17 34 10.0	-26 4 45.4	1.4	3.1	15.8	10	>18	3		*
2782	17 34 10.2	-28 31 21.0	359.4	1.7	15.9	11	>18	9		V,*
2783	17 34 10.7	-26 34 38.3	1.0	2.8	16.3	3	>18	8		V,*
2784	17 34 11.4	-28 35 38.9	359.3	1.7	15.1	6	18:	1		V
2785	17 34 11.5	-28 13 19.1	359.6	1.9	15.9	1	18:	12		V,*
2786	17 34 11.8	-27 1 1.2	0.6	2.6	16.8	7	18:	12		B,V
2787	17 34 12.6	-28 55 16.4	359.0	1.5	17.0	6	>18	4		
2788	17 34 12.8	-27 56 41.0	359.9	2.0	17.5	11	>18	3		V,*
2789	17 34 13.4	-28 2 59.5	359.8	2.0	16.3	3	17.6	12	1.3	V
2790	17 34 14.3	-27 36 54.1	0.1	2.2	15.8	2	18:	11		V
2791	17 34 14.5	-27 23 50.3	0.3	2.3	16.2	12	>18	5		
2792	17 34 14.7	-29 4 33.4	358.9	1.4	17.8	7	>18	11		V,*
2793	17 34 15.7	-26 13 44.5	1.3	3.0	13.5	12	>18	4		V,*
2794	17 34 15.8	-28 56 25.4	359.0	1.5	17.2	3	18:	12		V
2795	17 34 16.3	-28 36 31.3	359.3	1.7	16.6	1	17.0	12	0.4	V
2796	17 34 16.8	-25 5 50.4	2.3	3.6	12.1	10	15.6	11	3.5	B,V,*
2797	17 34 18.3	-27 25 58.6	0.3	2.3	17.8	11	>18	9		*
2798	17 34 20.2	-26 42 6.4	0.9	2.7	14.9	1	17.7	8	2.8	
2799	17 34 20.7	-28 30 59.0	359.4	1.7	16.2	6	>18	3		V,*
2800	17 34 21.6	-27 7 21.1	0.6	2.5	17.0	12	>18	1		V
2801	17 34 21.9	-26 57 49.5	0.7	2.6	15.5	6	>18	3		V,*
2802	17 34 22.2	-28 31 13.6	359.4	1.7	16.9	10	18:	6		V,*
2803	17 34 22.9	-29 15 16.1	358.8	1.3	17.0	11	>18	5		V
2804	17 34 23.3	-27 46 25.6	0.0	2.1	15.0	6	>18	1		V,*
2805	17 34 23.5	-27 7 51.0	0.6	2.5	15.8	8	17.2	11	1.4	V
2806	17 34 24.1	-26 4 30.0	1.5	3.0	16.9	12	18:	11		V,*
2807	17 34 25.1	-27 9 53.7	0.5	2.4	16.9	12	18:	11		V
2808	17 34 26.3	-28 32 0.9	359.4	1.7	16.4	10	18:	9		V,*
2809	17 34 27.5	-26 9 20.8	1.4	3.0	13.9	1	>18	8		V,*
2810	17 34 27.9	-26 52 15.7	0.8	2.6	16.6	6	>18	10		V,*
2811	17 34 28.4	-26 52 33.7	0.8	2.6	15.2	8	18:	4		B,V,*
2812	17 34 28.5	-25 3 57.2	2.3	3.6	13.6	10	18.0	12	4.4	V,*
2813	17 34 30.7	-28 57 15.8	359.0	1.4	16.3	6	17.7	8	1.4	V
2814	17 34 32.1	-25 55 42.0	1.6	3.1	10:	1	17.0	8		V,*

TABLE 2. *(continued)*

No.	R.A. (1950.0)	D.	l	b	R[Max]	E	R[Min]	E	A	Remarks
	h m s	d ' "	d	d						
2815	17 34 32.5	-26 3 8.4	1.5	3.0	17.7	7	>18	11		V
2816	17 34 35.8	-26 56 15.3	0.8	2.5	15.0	1	>18	8		
2817	17 34 36.0	-25 35 39.4	1.9	3.2	17.5	7	>18	12		V
2818	17 34 36.4	-28 30 16.5	359.4	1.7	17.0	11	>18	5		*
2819	17 34 37.5	-26 5 22.7	1.5	3.0	13.5	12	>18	4		V
2820	17 34 37.6	-27 17 57.9	0.5	2.3	11.0	4	16.3	3	5.3	V
2821	17 34 37.6	-26 57 2.5	0.7	2.5	15.3	3	>18	9		V,*
2822	17 34 38.4	-27 49 32.0	0.0	2.0	16.9	12	>18	7		
2823	17 34 39.0	-27 49 58.5	0.0	2.0	17.0	12	>18	3		
2824	17 34 43.4	-25 35 31.8	1.9	3.2	14.7	5	>18	11		V
2825	17 34 46.0	-25 8 21.7	2.3	3.5	17.5	11	>18	5		V
2826	17 34 46.5	-26 10 2.9	1.4	2.9	16.2	12	>18	1		
2827	17 34 46.8	-26 49 10.1	0.9	2.6	16.2	5	18:	12		V
2828	17 34 47.5	-25 3 34.0	2.4	3.5	17.0	5	18.0	11	1.0	V
2829	17 34 47.9	-28 31 36.6	359.4	1.6	12.5	5	17.2	3	4.7	B,V,*
2830	17 34 48.7	-26 3 11.9	1.5	3.0	15.8	10	17.0	9	1.2	*
2831	17 34 49.3	-28 0 4.7	359.9	1.9	14:7	3	18:	8		V,*
2832	17 34 49.4	-28 36 10.6	359.4	1.6	16.4	9	>18	8		V,*
2833	17 34 49.8	-29 3 53.8	359.0	1.3	16.6	1	>18	8		V,*
2834	17 34 52.3	-26 21 31.4	1.3	2.8	15.7	4	18:	8		V
2835	17 34 55.1	-29 5 43.1	359.0	1.3	16.8	3	17.9	12	1.1	V,*
2836	17 34 55.3	-28 29 3.2	359.5	1.6	17.7	8	>18	12		V
2837	17 34 55.5	-26 45 6.3	0.9	2.6	15.0	1	18:	8		V
2838	17 34 55.8	-28 36 33.3	359.4	1.6	17.5	11	18:	5		
2839	17 34 57.4	-28 33 13.3	359.4	1.6	17.0	8	>18	4		V,*
2840	17 34 58.1	-26 56 14.8	0.8	2.5	14.7	3	18:	11		V
2841	17 34 58.2	-26 2 23.0	1.6	2.9	17.0	10	18:	12		*
2842	17 34 58.4	-26 17 50.4	1.3	2.8	17.0	8	18:	3		V,*
2843	17 34 58.5	-27 5 11.7	0.7	2.4	15.9	11	17.2	3	1.3	V
2844	17 34 59.0	-29 3 17.7	359.0	1.3	16.6	1	18:	7		V
2845	17 35 1.4	-26 55 28.2	0.8	2.4	15.1	6	>18	8		V
2846	17 35 1.5	-28 6 30.0	359.8	1.8	17.3	6	>18	4		V,*
2847	17 35 3.0	-26 56 47.0	0.8	2.4	16.8	3	18:	5		
2848	17 35 3.8	-27 51 1.3	0.0	1.9	15.8	11	>18	9		
2849	17 35 4.9	-26 34 7.4	1.1	2.6	15.0	1	>18	11		V,*
2850	17 35 5.0	-28 34 22.3	359.4	1.5	16.0	1	17.5	7	1.5	V
2851	17 35 8.9	-26 28 38.5	1.2	2.7	16.2	6	>18	12		V,*
2852	17 35 9.0	-27 36 50.8	0.2	2.1	14.5	1	>18	8		V
2853	17 35 9.1	-27 30 36.3	0.3	2.1	<8	1	>18	8		V,*
2854	17 35 9.5	-27 19 34.3	0.5	2.2	16.6	1	>18	11		V,*
2855	17 35 12.6	-26 8 21.2	1.5	2.8	14.7	5	>18	10		V,*
2856	17 35 13.4	-25 8 21.1	2.3	3.4	15.6	10	>18	9		V,*
2857	17 35 13.8	-28 52 20.9	359.2	1.4	16.9	12	18:	1		V
2858	17 35 14.1	-27 19 50.2	0.5	2.2	15.0	1	18:	6		V,*
2859	17 35 15.7	-27 24 20.8	0.4	2.1	17.2	3	>18	8		V
2860	17 35 17.3	-27 0 26.6	0.8	2.4	15.1	6	17.2	7	2.1	V,*
2861	17 35 17.7	-27 8 46.6	0.7	2.3	16.4	11	17.2	3	0.8	V,*
2862	17 35 17.9	-28 21 20.3	359.6	1.6	16.5	9	17.5	10	1.0	V,*
2863	17 35 18.0	-26 6 44.6	1.5	2.8	15.0	1	17.8	4	2.8	
2864	17 35 18.6	-27 13 59.4	0.6	2.2	13.9	1	18:	12		V,*
2865	17 35 18.9	-28 13 45.3	359.7	1.7	15.0	1	>18	8		B,*
2866	17 35 19.3	-26 13 20.8	1.4	2.8	17.5	11	>18	8		V
2867	17 35 19.8	-28 22 23.5	359.6	1.6	15.2	11	18:	12		V
2868	17 35 20.6	-27 17 0.9	0.6	2.2	17.5	11	>18	5		*
2869	17 35 20.7	-28 55 13.6	359.2	1.3	16.2	12	>18	4		V
2870	17 35 21.2	-27 12 10.2	0.6	2.2	17.2	3	>18	7		
2871	17 35 21.3	-25 46 13.1	1.8	3.0	15.4	11	>18	3		
2872	17 35 21.3	-27 21 8.5	0.5	2.2	16.6	11	17.7	7	1.1	B,V,*
2873	17 35 21.7	-26 26 0.8	1.3	2.6	17.5	11	>18	9		*
2874	17 35 22.0	-26 28 12.7	1.2	2.6	16.2	12	>18	10		V,*

No.	R.A. (1950.0)	D.	l	b	R[Max]	E	R[Min]	E	A	Remarks
	h m s	d ' "	d	d						
2875	17 35 23.7	-28 48 4.8	359.3	1.4	17.0	10	>18	12		V,*
2876	17 35 24.7	-28 35 40.6	359.5	1.5	15.6	10	17.8	11	2.2	V
2877	17 35 24.9	-27 34 44.5	0.3	2.0	17.0	10	>18	12		V,*
2878	17 35 25.2	-26 4 31.7	1.6	2.8	16.3	3	>18	8		V,*
2879	17 35 27.4	-27 34 54.4	0.3	2.0	16.9	3	18:	8		V
2880	17 35 27.6	-28 23 26.0	359.6	1.6	15.2	8	17.7	12	2.5	B,V,*
2881	17 35 28.1	-28 42 55.0	359.4	1.4	17.0	9	>18	10		V,*
2882	17 35 28.2	-26 34 21.0	1.2	2.6	15.7	4	17.8	10	2.1	V
2883	17 35 28.3	-25 15 33.6	2.3	3.3	15.6	10	18:	9		*
2884	17 35 28.8	-27 48 49.4	0.1	1.9	14.9	12	18:	1		V
2885	17 35 29.7	-25 17 15.0	2.3	3.2	15.1	10	>18	9		B,V,*
2886	17 35 30.0	-27 29 25.0	0.4	2.1	14.9	12	18:	1		V
2887	17 35 30.7	-27 13 10.7	0.6	2.2	16.2	1	17.3	12	1.1	V,*
2888	17 35 31.4	-26 14 20.2	1.5	2.7	16.4	3	18:	11		V,*
2889	17 35 31.4	-24 40 55.2	2.8	3.6	13.7	11	16.3	10	2.6	B,V
2890	17 35 31.9	-26 14 39.8	1.4	2.7	14.7	3	17.7	12	3.0	B,V
2891	17 35 33.6	-27 29 27.3	0.4	2.0	15.2	12	>18	6		B,V
2892	17 35 34.8	-27 26 41.2	0.4	2.1	16.8	3	>18	11		V,*
2893	17 35 34.8	-28 5 34.0	359.9	1.7	16.3	4	18:	9		V,*
2894	17 35 36.8	-27 23 52.5	0.5	2.1	15.6	6	>18	3		B,V
2895	17 35 37.1	-26 35 45.2	1.2	2.5	16.9	12	>18	1		B,V,*
2896	17 35 37.1	-26 35 44.8	1.2	2.5	17.5	5	18:	11		V
2897	17 35 38.3	-27 18 9.8	0.6	2.1	15.9	1	17.6	12	1.7	V
2898	17 35 38.5	-28 1 49.0	360.0	1.7	15.2	10	17.0	9	1.8	V,*
2899	17 35 38.6	-28 57 21.4	359.2	1.2	17.0	10	>18	9		V,*
2900	17 35 40.1	-28 6 8.4	359.9	1.7	17.5	7	>18	11		V
2901	17 35 40.8	-27 27 47.8	0.4	2.0	16.6	1	18:	11		V,*
2902	17 35 41.1	-26 23 56.0	1.3	2.6	14.2	12	18:	3		B,V,*
2903	17 35 41.2	-26 56 25.1	0.9	2.3	16.0	1	17.7	9	1.7	V,*
2904	17 35 42.2	-28 43 38.0	359.4	1.4	17.7	8	18:	12		V
2905	17 35 42.3	-28 23 43.8	359.7	1.5	15.2	10	17.7	9	2.5	V,*
2906	17 35 42.5	-27 48 33.3	0.2	1.8	16.4	12	>18	10		V,*
2907	17 35 43.0	-26 17 11.2	1.4	2.7	16.6	10	>18	12		V,*
2908	17 35 43.5	-28 11 54.5	359.8	1.6	17.5	11	>18	3		V,*
2909	17 35 46.0	-24 46 36.9	2.7	3.5	15.0	10	>18	8		V,*
2910	17 35 46.9	-25 43 7.8	1.9	3.0	17.0	5	>18	11		V
2911	17 35 47.7	-26 39 33.4	1.1	2.4	10:	1	>18	8		V,*
2912	17 35 49.5	-26 4 25.1	1.6	2.8	15.2	7	>18	3		V,*
2913	17 35 50.3	-24 43 57.0	2.8	3.5	14.3	11	17.0	5	2.7	B,V
2914	17 35 50.6	-28 13 9.6	359.8	1.6	10:	11	>18	1		B,V
2915	17 35 50.6	-25 30 16.1	2.1	3.1	17.0	11	18:	9		V,*
2916	17 35 50.7	-24 53 59.0	2.6	3.4	14.9	12	16.8	10	1.9	V
2917	17 35 51.2	-26 46 12.1	1.0	2.4	18:	11	>18	5		
2918	17 35 51.4	-27 27 16.4	0.5	2.0	13.8	3	16.2	12	2.4	B,V,*
2919	17 35 51.6	-27 21 7.6	0.6	2.1	13.8	1	17.2	4	3.4	V
2920	17 35 51.9	-28 12 32.5	359.8	1.6	13.8	6	15.2	8	1.4	V,*
2921	17 35 52.1	-27 40 44.7	0.3	1.9	17.3	11	>18	3		V,*
2922	17 35 52.4	-28 19 53.0	359.7	1.5	14.8	6	17.3	4	2.5	B,V
2923	17 35 53.6	-25 14 51.5	2.3	3.2	13.3	5	>18	10		B,V
2924	17 35 53.7	-27 18 51.1	0.6	2.1	15.9	11	18.0	12	2.1	V,*
2925	17 35 53.9	-27 35 12.9	0.4	1.9	15.9	11	18:	8		B,V,*
2926	17 35 54.1	-25 1 3.8	2.5	3.3	16.7	7	18.0	12	1.3	V
2927	17 35 54.5	-27 19 8.2	0.6	2.1	16.2	12	>18	3		V
2928	17 35 54.7	-28 7 10.7	359.9	1.6	17.0	9	18:	10		V,*
2929	17 35 56.0	-25 47 29.7	1.9	2.9	16.8	12	>18	3		
2930	17 35 56.2	-27 29 10.0	0.5	2.0	17.2	4	>18	11		
2931	17 35 56.5	-26 45 33.5	1.1	2.4	16.0	11	>18	9		V,*
2932	17 35 56.7	-27 57 46.4	0.0	1.7	16.5	9	>18	3		V,*
2933	17 35 56.8	-27 38 34.5	0.3	1.9	15.5	12	>18	1		V
2934	17 35 57.8	-28 28 32.4	359.6	1.4	15.9	11	>18	7		V

TABLE 2. *(continued)*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
2935	17 35 58.4	-28 28 32.1	359.6	1.4	15.5	12	18:	11		V
2936	17 35 58.6	-26 6 33.0	1.6	2.7	13.3	5	>18	12		B,V
2937	17 35 59.0	-27 39 13.1	0.3	1.9	15.6	3	>18	9		B,V
2938	17 36 0.3	-26 1 8.9	1.7	2.7	15.8	9	>18	3		V,*
2939	17 36 0.5	-25 35 48.0	2.1	3.0	17.5	5	18:	12		V,*
2940	17 36 0.7	-27 12 40.4	0.7	2.1	14.3	12	18:	3		V,*
2941	17 36 1.2	-26 25 0.0	1.4	2.5	16.3	5	>18	11		B,V,*
2942	17 36 1.6	-25 38 10.6	2.0	2.9	14.9	9	18:	1		V,*
2943	17 36 2.0	-28 3 14.9	360.0	1.7	16.2	6	>18	4		V,*
2944	17 36 2.2	-28 11 11.6	359.9	1.6	14.2	12	17.7	1	3.5	V,*
2945	17 36 2.5	-27 30 26.8	0.4	1.9	14.9	12	18:	3		V
2946	17 36 2.9	-25 50 8.7	1.9	2.8	14.7	10	>18	3		V,*
2947	17 36 3.6	-27 51 41.0	0.1	1.8	16.5	9	18:	11		V,*
2948	17 36 3.7	-27 51 40.9	0.1	1.7	15.8	6	18:	3		B,V
2949	17 36 3.9	-27 23 41.2	0.5	2.0	14.9	4	18:	8		B,V,*
2950	17 36 5.3	-26 8 24.7	1.6	2.7	13.9	1	16.3	11	2.4	
2951	17 36 6.3	-26 4 19.8	1.7	2.7	14.7	5	>18	7		V,*
2952	17 36 6.7	-27 57 36.2	0.1	1.7	16.6	1	17.5	8	0.9	B,V
2953	17 36 6.8	-28 1 5.1	0.0	1.7	16.2	6	18:	12		
2954	17 36 7.0	-26 48 58.6	1.0	2.3	15.5	12	>18	5		
2955	17 36 8.8	-28 13 31.0	359.9	1.5	14.8	6	17.2	3	2.4	V
2956	17 36 9.8	-25 35 17.5	2.1	2.9	15.5	5	>18	11		V
2957	17 36 10.6	-26 21 0.3	1.4	2.5	14.8	3	18:	12		V
2958	17 36 11.4	-27 21 44.8	0.6	2.0	14.3	12	17.6	3	3.3	V,*
2959	17 36 11.5	-28 20 15.2	359.8	1.5	17.2	11	>18	9		V,*
2960	17 36 11.7	-27 55 45.8	0.1	1.7	14.7	3	18:	8		V
2961	17 36 12.2	-26 36 9.6	1.2	2.4	17.0	9	>18	11		V,*
2962	17 36 13.0	-27 10 44.6	0.7	2.1	16.9	11	>18	3		V
2963	17 36 13.3	-28 10 27.8	359.9	1.6	15.6	11	>18	9		V,*
2964	17 36 13.4	-26 53 18.8	1.0	2.2	16.3	4	18:	6		
2965	17 36 14.5	-25 39 34.5	2.0	2.9	17.0	10	>18	9		*
2966	17 36 15.0	-28 25 26.0	359.7	1.4	15.6	10	>18	4		V
2967	17 36 15.4	-26 40 7.1	1.2	2.4	16.8	4	>18	5		
2968	17 36 16.9	-28 9 17.5	359.9	1.6	16.8	11	18:	3		B,V
2969	17 36 17.9	-26 24 53.7	1.4	2.5	17.5	5	18.0	12	0.5	V
2970	17 36 18.2	-27 30 27.3	0.5	1.9	14.8	6	>18	3		V
2971	17 36 18.4	-27 1 53.0	0.9	2.1	16.6	1	>18	11		V,*
2972	17 36 18.7	-25 43 17.7	2.0	2.9	10.5	1	18:	6		V
2973	17 36 19.8	-28 3 49.5	0.0	1.6	15.0	5	>18	11		V
2974	17 36 21.2	-26 33 47.4	1.3	2.4	17.2	1	>18	11		V
2975	17 36 21.3	-24 41 24.9	2.9	3.4	17.0	11	>18	5		V
2976	17 36 21.7	-27 12 12.3	0.7	2.0	15.6	10	>18	9		V,*
2977	17 36 22.2	-27 7 0.7	0.8	2.1	12.8	1	18:	8		V,*
2978	17 36 23.8	-27 0 50.8	0.9	2.1	17.3	6	>18	4		V
2979	17 36 23.9	-27 34 58.0	0.4	1.8	14.5	12	17.2	3	2.7	
2980	17 36 24.8	-26 57 30.9	1.0	2.2	14.0	4	18:	11		V,*
2981	17 36 24.8	-25 7 45.6	2.5	3.1	14.8	11	>18	9		V,*
2982	17 36 27.4	-27 28 0.3	0.5	1.9	17.7	8	>18	3		B
2983	17 36 30.2	-27 35 28.4	0.4	1.8	17.5	7	>18	3		V,*
2984	17 36 30.9	-27 10 31.5	0.8	2.0	16.5	11	>18	9		V
2985	17 36 31.1	-26 41 37.3	1.2	2.3	15.9	1	18:	8		
2986	17 36 31.3	-28 21 48.0	359.8	1.4	16.5	10	>18	7		V,*
2987	17 36 31.8	-26 32 21.6	1.3	2.4	15.5	6	18:	12		B,V,*
2988	17 36 31.9	-26 4 19.9	1.7	2.6	15.3	11	18:	10		B,V
2989	17 36 32.4	-27 34 22.8	0.4	1.8	15.0	6	>18	10		V
2990	17 36 33.1	-26 39 16.8	1.2	2.3	13.2	12	>18	1		V
2991	17 36 33.9	-25 18 59.1	2.4	3.0	17.0	9	>18	11		V
2992	17 36 34.2	-27 53 39.4	0.2	1.6	16.5	10	18:	9		V,*
2993	17 36 34.5	-27 23 40.1	0.6	1.9	16.4	1	17.7	8	1.3	*
2994	17 36 34.8	-26 26 39.1	1.4	2.4	17.5	11	>18	3		*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
2995	17 36 35.2	-27 27 22.0	0.6	1.9	17.0	7	>18	9		V,*
2996	17 36 37.0	-27 53 30.4	0.2	1.6	16.6	1	18:	12		V,*
2997	17 36 37.9	-28 13 9.9	359.9	1.5	16.9	12	18:	1		V
2998	17 36 38.0	-25 30 44.7	2.2	2.9	15.2	7	>18	11		V
2999	17 36 39.5	-25 46 31.9	2.0	2.8	15.5	7	18:	2		V
3000	17 36 39.7	-28 9 23.1	360.0	1.5	15.6	9	18:	8		V,*
3001	17 36 40.1	-25 59 1.3	1.8	2.6	16.0	12	>18	1		
3002	17 36 41.1	-24 42 39.7	2.9	3.3	14.0	12	16.0	9	2.0	V,*
3003	17 36 41.3	-26 16 9.1	1.6	2.5	14.0	10	>18	3		V,*
3004	17 36 41.7	-24 53 30.5	2.7	3.2	13.0	10	17.5	5	4.5	B,V,*
3005	17 36 43.0	-24 51 38.6	2.8	3.2	15.9	11	>18	10		V
3006	17 36 44.3	-25 24 59.4	2.3	2.9	15.8	10	>18	9		B,V,*
3007	17 36 46.3	-27 44 9.5	0.3	1.7	17.3	1	>18	4		
3008	17 36 48.2	-27 38 3.3	0.4	1.7	17.2	11	17.7	12	0.5	V,*
3009	17 36 48.5	-25 48 53.3	2.0	2.7	15.3	12	>18	7		V
3010	17 36 48.9	-27 13 52.9	0.8	1.9	15.6	12	>18	1		
3011	17 36 49.3	-27 23 9.1	0.6	1.9	17.0	10	>18	11		V,*
3012	17 36 51.5	-26 32 59.9	1.4	2.3	18:	5	>18	11		V
3013	17 36 53.1	-27 17 7.3	0.7	1.9	13.8	12	>18	1		V
3014	17 36 53.4	-26 42 6.5	1.2	2.2	15.9	12	>18	4		
3015	17 36 53.6	-25 38 25.3	2.1	2.8	17.7	7	>18	12		V
3016	17 36 55.4	-27 29 57.0	0.6	1.8	17.0	9	>18	10		V,*
3017	17 36 55.5	-25 53 35.0	1.9	2.6	15.7	11	>18	9		V,*
3018	17 36 55.5	-25 3 16.8	2.6	3.1	16.7	7	>18	12		V
3019	17 36 57.4	-28 37 1.0	359.6	1.2	16.9	11	>18	6		
3020	17 36 58.5	-26 33 35.5	1.4	2.3	16.1	6	>18	3		*
3021	17 36 59.0	-26 38 39.0	1.3	2.2	10.9	1	17.2	6	6.3	V,*
3022	17 36 59.8	-26 0 35.7	1.8	2.6	16.6	1	17.4	12	0.8	V
3023	17 37 1.1	-26 39 34.3	1.3	2.2	16.3	3	17.2	4	0.9	V,*
3024	17 37 1.5	-27 56 18.6	0.2	1.5	16.4	12	>18	10		V,*
3025	17 37 1.6	-26 33 27.1	1.4	2.3	15.0	4	17.0	5	2.0	V
3026	17 37 2.0	-25 36 33.7	2.2	2.8	16.3	5	18.0	7	1.7	V
3027	17 37 2.8	-26 27 8.8	1.5	2.3	16.3	3	17.6	4	1.3	V,*
3028	17 37 4.8	-27 12 23.3	0.8	1.9	15.6	12	>18	4		V
3029	17 37 6.3	-26 39 30.9	1.3	2.2	17.8	7	>18	12		V
3030	17 37 6.5	-27 49 48.1	0.3	1.6	17.0	10	>18	12		V,*
3031	17 37 6.8	-26 4 52.3	1.8	2.5	17.3	1	>18	8		
3032	17 37 7.1	-25 25 35.9	2.3	2.9	15.0	9	>18	11		B,V,*
3033	17 37 7.5	-25 12 20.5	2.5	3.0	16.7	7	18.0	12	1.3	V
3034	17 37 8.9	-25 44 36.8	2.1	2.7	15.7	1	18:	4		V
3035	17 37 9.2	-26 10 50.1	1.7	2.4	13.9	4	17.5	7	3.6	B,V
3036	17 37 9.4	-26 53 20.3	1.1	2.1	15.9	1	>18	6		
3037	17 37 10.7	-27 3 43.3	1.0	2.0	16.0	12	18:	1		V,*
3038	17 37 11.7	-24 48 6.5	2.9	3.2	16.7	7	>18	12		V
3039	17 37 12.4	-28 6 15.1	0.1	1.4	16.5	9	>18	10		V,*
3040	17 37 12.9	-26 37 0.7	1.3	2.2	17.0	1	18:	8		V
3041	17 37 13.9	-26 13 27.0	1.7	2.4	13.5	10	>18	12		V,*
3042	17 37 14.4	-27 49 12.4	0.3	1.6	17.2	3	>18	12		V
3043	17 37 14.5	-26 11 29.0	1.7	2.4	16.2	1	18:	8		V
3044	17 37 15.4	-26 32 42.6	1.4	2.2	12.4	12	17.6	4	5.2	B,V
3045	17 37 17.4	-27 9 57.1	0.9	1.9	15.6	12	>18	8		V
3046	17 37 17.5	-26 38 1.1	1.3	2.2	15.5	6	>18	4		V,*
3047	17 37 18.0	-26 14 30.8	1.7	2.4	11.0	1	18:	8		V,*
3048	17 37 20.6	-25 50 37.4	2.0	2.6	16.3	12	18:	3		V,*
3049	17 37 21.0	-25 36 49.8	2.2	2.7	15.7	12	>18	7		V
3050	17 37 22.2	-27 25 4.4	0.7	1.7	17.3	6	>18	4		V
3051	17 37 22.8	-27 20 41.0	0.7	1.8	15.6	6	>18	12		V,*
3052	17 37 24.9	-27 7 40.5	0.9	1.9	17.8	10	>18	9		V,*
3053	17 37 25.0	-25 23 12.9	2.4	2.8	15.5	12	18.0	7	2.5	B,V
3054	17 37 25.8	-27 30 14.1	0.6	1.7	16.0	1	18:	6		V

TABLE 2. *(continued)*

No.	R.A. (1950.0)	D.	l	b	R[Max]	E	R[Min]	E	A	Remarks
	h m s	d ' "	d	d						
3055	17 37 26.2	-26 59 31.0	1.0	2.0	14.4	6	>18	11		V
3056	17 37 26.4	-25 38 4.9	2.2	2.7	14.7	3	18:	12		B,V
3057	17 37 27.6	-25 14 34.0	2.5	2.9	14.9	9	17.9	11	3.0	B,V,*
3058	17 37 28.0	-27 14 47.5	0.8	1.8	14.2	12	>18	8		V,*
3059	17 37 29.7	-25 1 24.3	2.7	3.0	15.9	11	17.8	5	1.9	B,V
3060	17 37 29.8	-25 13 37.8	2.5	2.9	12.2	5	18.0	7	5.8	B,V,*
3061	17 37 31.2	-27 14 53.8	0.8	1.8	16.2	12	>18	3		
3062	17 37 31.2	-26 10 23.4	1.7	2.4	16.5	11	18.0	12	1.5	V
3063	17 37 32.0	-27 54 33.0	0.3	1.4	17.0	10	>18	9		V,*
3064	17 37 32.4	-27 27 56.1	0.7	1.7	17.7	7	>18	3		V,*
3065	17 37 33.9	-27 6 15.6	1.0	1.9	15.6	3	>18	12		V
3066	17 37 34.1	-26 11 29.8	1.7	2.4	14.3	12	>18	8		V
3067	17 37 35.9	-25 42 49.1	2.1	2.6	15.4	1	18:	9		V,*
3068	17 37 39.5	-27 9 38.3	0.9	1.8	13.9	1	18:	12		V,*
3069	17 37 40.4	-26 35 23.0	1.4	2.1	15.0	1	>18	6		V,*
3070	17 37 41.1	-27 2 0.9	1.0	1.9	15.6	9	>18	12		V
3071	17 37 41.3	-26 55 27.0	1.1	1.9	16.2	6	>18	4		B,V
3072	17 37 41.5	-25 2 4.0	2.7	3.0	17.7	5	>18	11		B,V
3073	17 37 42.8	-27 44 28.9	0.4	1.5	16.3	3	>18	11		V,*
3074	17 37 43.0	-26 0 35.3	1.9	2.4	16.5	11	18:	5		V,*
3075	17 37 44.3	-27 22 44.1	0.8	1.7	17.7	11	>18	9		V,*
3076	17 37 47.0	-27 26 51.7	0.7	1.6	16.0	12	>18	3		V
3077	17 37 49.0	-27 3 14.5	1.0	1.9	16.4	8	17.7	6	1.3	V
3078	17 37 49.2	-27 30 59.5	0.6	1.6	17.5	8	18:	10		V
3079	17 37 50.9	-26 28 39.2	1.5	2.2	15.5	6	>18	4		V,*
3080	17 37 52.4	-25 35 0.1	2.3	2.6	15.8	9	18:	11		B,V,*
3081	17 37 53.2	-27 51 48.1	0.4	1.4	17.0	11	>18	9		V,*
3082	17 37 53.5	-27 15 28.9	0.9	1.7	17.5	11	>18	3		*
3083	17 37 53.6	-24 52 31.3	2.9	3.0	13.0	5	18:	10		B,V
3084	17 37 53.6	-27 52 59.2	0.3	1.4	16.4	9	>18	11		V,*
3085	17 37 54.5	-27 38 24.2	0.6	1.5	13.5	12	18:	3		B,V,*
3086	17 37 54.7	-27 51 35.9	0.4	1.4	16.3	3	>18	8		V
3087	17 37 55.3	-25 36 58.6	2.3	2.6	15.5	5	>18	9		V
3088	17 37 56.3	-25 18 4.6	2.5	2.8	8:	5	10.8	9		
3089	17 37 57.8	-27 1 25.0	1.1	1.8	17.0	1	>18	9		
3090	17 37 58.7	-28 0 42.7	0.2	1.3	17.2	3	18:	12		V
3091	17 38 0.8	-27 38 23.8	0.6	1.5	17.7	9	>18	11		V,*
3092	17 38 2.1	-26 11 14.7	1.8	2.3	10:	1	17.4	8		V
3093	17 38 5.5	-26 30 5.5	1.5	2.1	15.6	3	16.9	8	1.3	*
3094	17 38 6.5	-25 22 31.8	2.5	2.7	15.5	5	>18	11		B,V,*
3095	17 38 9.0	-27 11 35.7	1.0	1.7	17.8	7	>18	9		B,*
3096	17 38 9.4	-27 47 16.9	0.5	1.4	15.9	11	>18	1		V
3097	17 38 10.8	-27 53 2.4	0.4	1.3	17.0	9	>18	1		B,V,*
3098	17 38 14.0	-25 47 30.0	2.2	2.4	17.5	7	>18	12		V
3099	17 38 14.9	-25 49 1.5	2.1	2.4	16.8	7	>18	11		V,*
3100	17 38 15.1	-25 51 21.8	2.1	2.4	15.0	10	16.4	12	1.4	*
3101	17 38 15.3	-27 2 41.4	1.1	1.8	16.4	8	18:	1		V,*
3102	17 38 17.7	-27 2 53.4	1.1	1.8	17.7	7	>18	4		V
3103	17 38 19.0	-25 39 19.1	2.3	2.5	14.2	10	15.6	3	1.4	*
3104	17 38 19.5	-24 47 23.1	3.0	3.0	14.9	12	17.5	7	2.6	V
3105	17 38 20.4	-24 55 53.7	2.9	2.9	15.7	12	18:	5		B,V,*
3106	17 38 20.8	-25 38 25.4	2.3	2.5	17.7	5	>18	11		V,*
3107	17 38 22.9	-25 51 38.7	2.1	2.4	17.6	12	>18	3		*
3108	17 38 25.0	-27 1 12.3	1.1	1.8	17.3	1	>18	4		V
3109	17 38 28.7	-27 27 34.7	0.8	1.5	16.2	12	18:	3		V,*
3110	17 38 28.8	-25 1 12.1	2.8	2.8	15.4	11	18:	5		V
3111	17 38 33.8	-27 32 27.6	0.7	1.5	13.8	3	17.5	11	3.7	V
3112	17 38 34.1	-25 33 4.5	2.4	2.5	17.0	11	>18	10		V
3113	17 38 34.5	-26 32 57.3	1.6	2.0	16.2	12	18:	1		V
3114	17 38 36.9	-25 25 50.9	2.5	2.6	14.0	5	>18	11		B,V,*
3115	17 38 37.4	-26 16 45.7	1.8	2.1	15.9	1	18:	6		V,*
3116	17 38 40.2	-26 9 8.2	1.9	2.2	16.6	7	>18	12		V
3117	17 38 41.3	-25 58 22.6	2.1	2.3	14.7	10	>18	5		V,*
3118	17 38 43.3	-25 24 14.0	2.5	2.6	17.0	5	>18	11		V
3119	17 38 43.8	-25 32 33.1	2.4	2.5	14.0	5	17.5	7	3.5	B,V
3120	17 38 44.1	-25 41 56.6	2.3	2.4	17.0	11	>18	3		V,*
3121	17 38 45.8	-25 55 38.0	2.1	2.3	15.9	11	>18	5		
3122	17 38 46.5	-24 55 46.1	3.0	2.8	14.5	10	18:	9		V,*
3123	17 38 46.8	-27 38 25.1	0.7	1.4	16.2	6	18:	11		B,V
3124	17 38 47.2	-25 13 35.9	2.7	2.6	16.4	11	17.0	9	0.6	V
3125	17 38 52.0	-27 11 24.9	1.0	1.6	15.6	12	>18	8		V
3126	17 38 53.2	-28 19 59.2	0.1	1.0	16.9	12	>18	1		
3127	17 38 53.5	-25 43 1.7	2.3	2.4	16.7	1	18:	6		*
3128	17 38 53.9	-25 38 52.1	2.4	2.4	15.9	11	18.0	10	2.1	B,V
3129	17 38 55.3	-26 46 28.1	1.4	1.8	16.1	6	18:	3		V
3130	17 38 55.6	-25 39 13.5	2.4	2.4	17.5	11	18.0	7	0.5	B,V
3131	17 38 55.9	-25 42 13.8	2.3	2.4	13.7	6	18:	4		B,V,*
3132	17 38 56.0	-25 50 18.9	2.2	2.3	15.5	12	>18	11		V
3133	17 38 59.1	-24 57 57.9	2.9	2.7	16.4	10	>18	9		B,V,*
3134	17 38 59.8	-25 1 12.7	2.9	2.7	15.1	7	15.7	12	0.6	B,V
3135	17 39 1.7	-24 59 11.3	2.9	2.7	17.7	12	>18	9		V
3136	17 39 2.0	-24 45 13.5	3.1	2.8	17.0	10	18.0	12	1.0	V
3137	17 39 3.8	-24 57 39.1	3.0	2.7	16.4	10	>18	5		B,V,*
3138	17 39 4.8	-26 32 39.0	1.6	1.9	16.2	12	>18	1		V
3139	17 39 9.0	-28 18 51.0	0.1	0.9	15.0	10	15.6	9	0.6	V,*
3140	17 39 9.3	-24 42 34.3	3.2	2.8	16.9	12	>18	5		B,V
3141	17 39 10.0	-25 49 57.6	2.2	2.2	18:	11	>18	10		V
3142	17 39 10.7	-25 11 38.4	2.8	2.6	15.3	11	15.8	9	0.5	B,V
3143	17 39 11.2	-26 4 8.3	2.0	2.1	15.2	8	17.7	7	2.5	V
3144	17 39 11.3	-27 18 16.2	1.0	1.5	13.9	1	18:	12		*
3145	17 39 13.9	-25 31 32.4	2.5	2.4	17.6	9	>18	11		V,*
3146	17 39 16.1	-25 46 20.1	2.3	2.3	15.5	5	>18	7		V
3147	17 39 16.2	-25 4 7.6	2.9	2.6	17.0	11	>18	5		
3148	17 39 17.5	-25 55 10.6	2.2	2.2	16.4	11	17.0	9	0.6	V,*
3149	17 39 19.7	-25 20 13.9	2.7	2.5	14.3	11	>18	5		V
3150	17 39 20.6	-25 5 0.8	2.9	2.6	15.5	12	18:	10		B,V
3151	17 39 20.9	-26 3 13.9	2.1	2.1	11.0	12	18:	5		V,*
3152	17 39 21.0	-25 52 9.8	2.2	2.2	13.8	6	17.8	8	4.0	V
3153	17 39 23.0	-25 17 17.2	2.7	2.5	15.7	7	>18	11		V
3154	17 39 23.1	-26 36 30.0	1.6	1.8	14.2	12	18:	1		V
3155	17 39 25.4	-25 57 8.6	2.2	2.1	14.0	1	18:	4		V
3156	17 39 26.3	-25 54 4.8	2.2	2.2	15.9	1	>18	8		V
3157	17 39 26.3	-26 26 48.4	1.7	1.9	17.7	5	>18	11		V,*
3158	17 39 27.3	-25 15 46.8	2.8	2.5	<8	12	12.5	10		V
3159	17 39 28.7	-25 43 30.4	2.4	2.2	15.2	7	18:	3		V
3160	17 39 28.8	-24 59 12.4	3.0	2.6	15.9	7	>18	10		B,V
3161	17 39 30.5	-25 50 53.2	2.3	2.2	14.2	12	18:	6		V,*
3162	17 39 31.1	-26 25 34.8	1.8	1.9	12.8	1	17.6	8	4.8	V,[1]
3163	17 39 31.5	-24 51 54.5	3.1	2.7	15.6	10	>18	9		*
3164	17 39 32.5	-27 30 59.2	0.9	1.3	15.0	1	18:	8		B,V,*
3165	17 39 33.2	-27 23 26.4	1.0	1.3	17.8	12	>18	9		*
3166	17 39 34.9	-25 17 55.5	2.7	2.5	11.0	11	17.7	9	6.7	V
3167	17 39 35.1	-26 17 52.7	1.9	1.9	15.6	3	18:	12		V
3168	17 39 35.3	-27 30 48.7	0.9	1.3	16.6	1	18:	12		V,*
3169	17 39 37.2	-25 57 14.1	2.2	2.1	15.9	1	>18	12		V
3170	17 39 38.4	-25 43 56.3	2.4	2.2	12.8	6	>18	4		B,V,*
3171	17 39 39.0	-26 33 52.9	1.7	1.8	17.0	7	17.6	12	0.6	V
3172	17 39 39.7	-25 57 55.3	2.2	2.1	13.5	1	>18	6		V
3173	17 39 40.1	-25 59 23.5	2.2	2.1	16.7	6	>18	7		V
3174	17 39 40.3	-27 37 27.0	0.8	1.2	15.0	1	18:	8		B,*

TABLE 2. *(continued)*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
3175	17 39 40.3	-26 0 48.4	2.1	2.1	15.9	11	>18	3		*
3176	17 39 41.9	-26 33 47.7	1.7	1.8	17.0	10	>18	9		V,*,[1]
3177	17 39 43.5	-27 45 25.8	0.7	1.1	17.8	11	>18	9		V,*
3178	17 39 47.7	-24 58 54.2	3.0	2.6	15.1	7	>18	10		B,V
3179	17 39 49.0	-27 43 45.3	0.7	1.1	17.7	8	>18	3		*
3180	17 39 51.3	-25 52 27.5	2.3	2.1	16.1	1	>18	8		V
3181	17 39 52.2	-28 4 36.9	0.4	0.9	15.2	10	18:	7		*
3182	17 39 52.6	-25 45 56.0	2.4	2.1	16.0	9	>18	6		B,V,*,[1]
3183	17 39 54.4	-26 44 16.0	1.6	1.6	17.6	11	>18	5		
3184	17 39 55.0	-26 35 47.8	1.7	1.7	13.5	12	>18	8		V
3185	17 39 56.6	-25 21 58.5	2.7	2.3	17.3	7	>18	10		V
3186	17 39 57.5	-27 27 54.7	0.9	1.2	16.8	3	>18	10		V,*
3187	17 39 58.1	-26 37 42.4	1.7	1.7	17.7	5	>18	11		V
3188	17 39 59.4	-25 56 51.4	2.2	2.0	15.0	6	>18	4		B,V
3189	17 40 0.9	-26 53 10.5	1.4	1.5	15.0	9	18:	12		V
3190	17 40 1.2	-25 55 7.5	2.3	2.0	16.3	4	>18	6		
3191	17 40 2.6	-24 47 26.0	3.2	2.6	15.5	12	>18	7		B,V
3192	17 40 2.9	-27 29 32.0	0.9	1.2	16.6	1	18:	11		
3193	17 40 3.0	-25 31 30.5	2.6	2.2	17.4	11	17.8	12	0.4	B,V
3194	17 40 4.2	-26 38 18.5	1.7	1.6	16.2	12	>18	3		
3195	17 40 4.6	-25 59 26.0	2.2	2.0	15.0	1	18:	12		V
3196	17 40 4.9	-26 48 55.8	1.5	1.6	15.9	1	18:	12		V
3197	17 40 5.4	-27 25 29.1	1.0	1.2	17.3	1	>18	8		*
3198	17 40 5.6	-25 42 22.2	2.5	2.1	15.2	10	17.5	11	2.3	V,*
3199	17 40 6.0	-27 9 20.8	1.2	1.4	16.7	7	>18	4		V
3200	17 40 6.6	-25 59 54.7	2.2	2.0	14.6	12	18:	4		V
3201	17 40 7.8	-27 4 20.7	1.3	1.4	16.4	8	17.5	11	1.1	V
3202	17 40 8.7	-25 7 27.3	3.0	2.4	15.5	5	18.0	7	2.5	
3203	17 40 13.3	-25 57 41.8	2.3	2.0	10.9	1	>18	8		V,[1]
3204	17 40 13.8	-27 51 8.6	0.6	1.0	15.9	7	17.6	12	1.7	V
3205	17 40 14.2	-24 59 47.7	3.1	2.5	14.5	10	17.0	9	2.5	V,*
3206	17 40 14.4	-27 10 26.8	1.2	1.3	16.3	3	>18	8		V
3207	17 40 14.6	-25 6 1.5	3.0	2.4	16.4	11	>18	10		V
3208	17 40 16.0	-25 47 56.5	2.4	2.1	15.4	11	>18	9		V,*,[1]
3209	17 40 18.5	-26 16 35.8	2.0	1.8	17.5	7	>18	9		V
3210	17 40 19.5	-27 50 52.0	0.7	1.0	13.6	10	14.9	9	1.3	*
3211	17 40 21.8	-26 16 11.2	2.0	1.8	17.5	7	>18	12		V
3212	17 40 21.9	-26 30 40.5	1.8	1.7	16.4	11	>18	3		V,*
3213	17 40 22.7	-25 54 20.5	2.3	2.0	15.1	2	18:	8		V
3214	17 40 23.3	-26 4 16.4	2.2	1.9	16.6	1	>18	8		V,[1]
3215	17 40 26.6	-28 31 33.8	0.1	0.6	16.3	3	17.5	11	1.2	
3216	17 40 26.9	-25 32 48.2	2.6	2.2	16.4	11	18.0	5	1.6	V
3217	17 40 27.3	-26 34 31.0	1.8	1.6	14.7	4	>18	8		B,V,*
3218	17 40 28.1	-25 32 48.8	2.6	2.1	15.4	11	18.0	8	2.6	V,*
3219	17 40 28.1	-25 32 48.5	2.6	2.1	15.8	10	18:	5		*
3220	17 40 28.4	-26 13 11.4	2.1	1.8	17.2	5	17.6	12	0.4	V
3221	17 40 30.0	-26 34 36.2	1.8	1.6	17.0	1	18:	8		V
3222	17 40 30.1	-25 43 34.7	2.5	2.0	12.8	1	18:	8		B,V,[1]
3223	17 40 30.1	-25 21 39.8	2.8	2.2	15.5	5	>18	10		
3224	17 40 33.1	-25 33 29.8	2.6	2.1	17.5	11	>18	10		V
3225	17 40 33.3	-27 10 10.4	1.3	1.3	17.8	5	>18	9		V,*
3226	17 40 35.6	-25 37 12.6	2.6	2.1	18:	11	>18	5		
3227	17 40 36.2	-25 58 47.8	2.3	1.9	16.7	7	18.0	12	1.3	B,V,[1]
3228	17 40 36.3	-26 5 37.3	2.2	1.8	17.5	7	>18	12		V,*
3229	17 40 38.5	-26 12 45.0	2.1	1.8	14.0	5	16.3	3	2.3	B,V
3230	17 40 40.1	-25 39 55.2	2.6	2.0	17.2	3	>18	8		V
3231	17 40 40.8	-28 36 34.0	0.1	0.5	15.0	10	17.0	9	2.0	*
3232	17 40 41.1	-26 31 30.3	1.8	1.6	16.4	11	>18	3		V,*
3233	17 40 42.8	-25 31 41.9	2.7	2.1	18:	11	>18	10		V
3234	17 40 47.1	-26 18 27.2	2.0	1.7	16.4	12	>18	4		
3235	17 40 48.3	-25 58 35.0	2.3	1.9	17.5	1	18:	5		V,[1]
3236	17 40 48.4	-25 52 48.7	2.4	1.9	15.8	10	>18	5		V,*
3237	17 40 48.6	-26 22 44.8	2.0	1.6	12.4	6	18:	4		V,*
3238	17 40 48.6	-26 19 32.9	2.0	1.7	16.6	1	>18	6		*,[1]
3239	17 40 49.7	-25 58 52.0	2.3	1.9	15.4	12	18:	8		V
3240	17 40 50.9	-26 2 25.8	2.3	1.8	17.7	7	>18	3		V,*
3241	17 40 54.1	-26 37 23.1	1.8	1.5	15.9	1	>18	10		V,*,[1]
3242	17 40 54.4	-25 53 34.7	2.4	1.9	14.5	12	>18	3		
3243	17 40 55.8	-26 16 10.5	2.1	1.7	15.6	9	>18	10		B,V,*
3244	17 40 56.4	-26 45 46.7	1.7	1.4	16.9	12	18.0	11	1.1	V
3245	17 40 56.7	-26 20 51.8	2.0	1.6	17.0	1	18:	8		[1]
3246	17 40 58.5	-26 44 12.2	1.7	1.4	17.0	5	18:	12		V
3247	17 40 58.7	-25 22 29.3	2.8	2.1	14.2	12	>18	10		V
3248	17 41 0.2	-27 17 37.1	1.2	1.1	14.4	6	18.0	4	3.6	B,V
3249	17 41 0.6	-25 22 46.8	2.8	2.1	16.5	10	18:	9		V,*
3250	17 41 1.8	-26 2 46.7	2.3	1.8	17.9	11	>18	3		V,[1]
3251	17 41 2.4	-26 30 51.3	1.9	1.5	15.7	12	>18	8		V
3252	17 41 5.8	-25 23 24.3	2.8	2.1	16.5	10	18:	9		*
3253	17 41 7.0	-26 30 33.4	1.9	1.5	17.0	5	>18	1		V
3254	17 41 7.7	-26 43 28.2	1.7	1.4	12.1	11	17.6	8	5.5	B,V
3255	17 41 9.5	-26 2 38.6	2.3	1.8	17.0	10	17.7	9	0.7	V,*
3256	17 41 10.4	-26 30 33.2	1.9	1.5	17.7	5	>18	11		
3257	17 41 10.7	-25 35 42.8	2.7	2.0	14.9	12	>18	11		B,V
3258	17 41 12.4	-25 26 19.1	2.8	2.1	15.9	7	>18	10		V
3259	17 41 15.7	-25 4 56.9	3.1	2.2	15.2	10	>18	9		B,V,*
3260	17 41 18.4	-26 47 1.5	1.7	1.3	15.5	6	>18	8		V,*
3261	17 41 18.8	-25 44 43.3	2.6	1.9	16.2	6	>18	4		B,V
3262	17 41 19.6	-26 2 26.1	2.3	1.7	16.0	1	>18	11		
3263	17 41 20.6	-26 5 34.4	2.3	1.7	9:	1	15.0	6		V,*
3264	17 41 20.7	-25 49 48.0	2.5	1.8	15.6	9	>18	11		V,*
3265	17 41 24.5	-26 1 47.4	2.3	1.7	16.9	12	17.7	6	0.8	V
3266	17 41 25.7	-24 59 51.6	3.2	2.3	15.0	12	18:	10		B,V,*
3267	17 41 26.3	-25 56 41.4	2.4	1.8	15.8	11	18:	3		B,V,*,[1]
3268	17 41 27.4	-25 2 13.5	3.2	2.2	16.4	11	>18	10		V
3269	17 41 27.6	-25 13 44.0	3.0	2.1	16.9	12	18.0	7	1.1	B,V
3270	17 41 30.8	-25 19 42.7	2.9	2.1	17.0	11	>18	7		
3271	17 41 31.1	-26 49 39.9	1.7	1.3	17.5	7	>18	12		V,*
3272	17 41 33.2	-25 56 26.2	2.4	1.7	12.8	1	17.6	12	4.8	V
3273	17 41 33.7	-25 40 27.1	2.7	1.9	15.6	7	18:	3		V
3274	17 41 34.4	-26 10 49.7	2.2	1.6	16.7	11	18:	1		[1]
3275	17 41 34.9	-26 9 11.4	2.2	1.6	10.9	1	18:	10		V,*
3276	17 41 34.9	-25 5 19.1	3.2	2.2	15.6	10	18.0	12	2.4	B,V
3277	17 41 34.9	-26 56 25.1	1.6	1.2	16.6	1	18:	11		V
3278	17 41 36.0	-26 59 59.2	1.5	1.2	15.9	1	18:	12		V
3279	17 41 40.1	-25 4 58.6	3.2	2.2	13.7	11	18:	9		V,*
3280	17 41 46.6	-25 0 6.4	3.3	2.2	12.0	7	>18	11		V
3281	17 41 48.2	-25 35 25.7	2.8	1.9	14.7	12	17.8	10	3.1	B,V,*
3282	17 41 49.0	-25 10 35.4	3.1	2.1	12.5	10	16.2	12	3.7	B,V,*
3283	17 41 49.0	-24 50 29.2	3.4	2.3	16.3	5	18.0	12	1.7	B,V
3284	17 41 52.0	-25 56 31.6	2.5	1.7	15.5	12	>18	10		V,*
3285	17 41 52.6	-26 3 45.6	2.4	1.6	17.0	11	17.7	9	0.7	V,*,[1]
3286	17 41 52.7	-26 0 46.9	2.4	1.6	15.0	1	>18	12		V
3287	17 41 54.0	-26 9 2.0	2.3	1.6	17.3	8	>18	3		
3288	17 41 54.1	-26 44 31.2	1.8	1.2	17.3	1	>18	12		
3289	17 41 55.5	-27 10 12.3	1.4	1.0	17.8	10	>18	3		V,*
3290	17 41 56.4	-25 3 54.8	3.2	2.1	16.4	9	>18	10		
3291	17 41 58.6	-27 2 5.1	1.5	1.1	16.4	10	>18	11		V,*
3292	17 41 58.7	-25 13 34.1	3.1	2.0	15.5	5	18.0	11	2.5	V
3293	17 42 1.3	-26 14 4.9	2.2	1.5	16.3	12	>18	1		V
3294	17 42 2.6	-25 17 33.1	3.0	2.0	15.4	11	18:	5		V

TABLE 2. *(continued)*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	R[Max]	E	R[Min]	E	A	Remarks
3295	17 42 3.9	-25 32 3.4	2.8	1.9	17.0	12	>18	10		
3296	17 42 5.2	-25 55 4.8	2.5	1.6	15.9	7	>18	12		B,V,*,[1]
3297	17 42 5.4	-25 5 25.8	3.2	2.1	17.0	5	18:	11		
3298	17 42 6.7	-24 49 30.2	3.4	2.2	16.2	12	18.0	5	1.8	V
3299	17 42 12.7	-25 0 24.3	3.3	2.1	16.0	10	18:	9		V,*
3300	17 42 16.4	-24 46 50.6	3.5	2.2	15.9	11	>18	10		B,V
3301	17 42 16.7	-24 40 16.1	3.6	2.3	15.5	12	17.8	5	2.3	V
3302	17 42 17.1	-26 35 42.1	2.0	1.3	16.5	11	18:	7		V
3303	17 42 18.0	-25 52 57.9	2.6	1.6	16.4	11	>18	3		V
3304	17 42 18.9	-26 32 50.8	2.0	1.3	17.5	7	>18	3		V
3305	17 42 19.3	-26 51 53.4	1.7	1.1	17.5	7	>18	5		V
3306	17 42 20.3	-25 54 53.2	2.5	1.6	14.5	12	>18	8		V,*
3307	17 42 22.0	-25 39 33.9	2.8	1.7	17.0	11	18:	3		V
3308	17 42 26.0	-26 39 22.2	1.9	1.2	18:	11	>18	10		V
3309	17 42 27.1	-24 46 42.7	3.5	2.2	14.7	5	18:	7		V
3310	17 42 28.2	-25 38 58.9	2.8	1.7	14.7	10	18:	3		*
3311	17 42 28.3	-25 53 12.2	2.6	1.6	16.6	1	>18	8		V,*
3312	17 42 28.3	-25 23 33.9	3.0	1.8	15.5	12	>18	10		V
3313	17 42 29.5	-26 18 47.2	2.2	1.4	17.0	5	>18	11		
3314	17 42 30.1	-25 47 12.9	2.7	1.6	15.5	12	>18	1		V
3315	17 42 32.3	-25 26 37.7	3.0	1.8	16.9	12	18.0	11	1.1	V
3316	17 42 34.2	-25 31 27.0	2.9	1.8	14.8	11	>18	7		B,V,*
3317	17 42 34.2	-25 30 46.7	2.9	1.8	17.0	11	>18	7		
3318	17 42 35.2	-26 1 36.5	2.5	1.5	16.9	11	>18	3		V
3319	17 42 35.2	-25 41 18.6	2.8	1.7	17.3	10	18:	9		*
3320	17 42 35.7	-26 51 37.1	1.8	1.1	16.7	12	>18	1		V
3321	17 42 36.1	-24 38 43.0	3.7	2.2	16.3	5	18:	11		B,V
3322	17 42 38.3	-26 7 4.4	2.4	1.4	16.5	3	>18	8		V
3323	17 42 38.3	-25 27 24.1	3.0	1.8	17.0	5	>18	11		V
3324	17 42 39.1	-24 41 18.8	3.6	2.2	16.2	12	>18	9		B,V
3325	17 42 40.1	-26 4 6.4	2.5	1.5	15.8	10	18.0	11	2.2	V,*
3326	17 42 40.2	-25 52 47.4	2.6	1.6	17.5	7	>18	3		V,*
3327	17 42 43.0	-25 8 42.6	3.2	1.9	15.4	11	17.5	7	2.1	V
3328	17 42 44.6	-26 35 56.8	2.0	1.2	15.4	12	17.2	3	1.8	V
3329	17 42 44.9	-26 3 16.8	2.5	1.4	17.0	8	18:	2		
3330	17 42 45.4	-25 9 7.6	3.2	1.9	16.9	12	17.5	7	0.6	
3331	17 42 46.1	-25 3 49.5	3.3	2.0	17.7	12	18:	10		V
3332	17 42 47.4	-25 10 5.9	3.2	1.9	14.5	10	18:	12		B,V
3333	17 42 50.4	-25 9 0.9	3.3	1.9	16.3	5	17.8	12	1.5	V
3334	17 42 50.5	-25 2 23.3	3.3	2.0	16.4	11	>18	7		
3335	17 42 52.4	-25 46 54.3	2.7	1.6	17.5	11	>18	3		
3336	17 42 55.0	-25 39 14.2	2.8	1.6	17.5	7	18:	12		B,V,*
3337	17 42 55.1	-25 39 14.1	2.8	1.6	17.0	9	>18	11		V,*
3338	17 43 0.0	-25 15 0.0	3.2	1.8	17.0	11	>18	5		V
3339	17 43 0.7	-25 44 46.8	2.8	1.6	14.9	12	18.0	11	3.1	V
3340	17 43 1.2	-25 54 9.9	2.6	1.5	17.5	7	>18	12		V
3341	17 43 1.6	-27 14 40.2	1.5	0.8	15.1	4	17.7	6	2.6	B,V
3342	17 43 9.5	-25 47 13.8	2.7	1.5	16.4	8	>18	3		V
3343	17 43 9.8	-26 16 41.5	2.3	1.2	15.5	5	>18	11		V
3344	17 43 9.8	-26 30 21.5	2.1	1.1	17.5	11	>18	12		V
3345	17 43 11.6	-24 40 23.6	3.7	2.1	15.4	11	>18	9		V
3346	17 43 12.7	-25 22 12.3	3.1	1.7	16.5	9	18:	10		V,*
3347	17 43 12.9	-26 16 30.2	2.3	1.2	17.5	11	>18	10		
3348	17 43 15.0	-24 41 25.2	3.7	2.1	15.9	11	>18	5		
3349	17 43 15.9	-25 21 1.3	3.1	1.7	17.5	7	>18	11		B,V
3350	17 43 16.2	-26 38 35.1	2.0	1.0	17.0	5	>18	11		V,*
3351	17 43 18.3	-24 57 44.7	3.5	1.9	15.6	9	>18	12		V,*
3352	17 43 21.4	-25 14 28.4	3.2	1.8	15.9	11	18.0	7	2.1	B,V
3353	17 43 23.2	-24 41 2.0	3.7	2.0	16.4	10	>18	9		*
3354	17 43 24.8	-25 4 0.7	3.4	1.8	15.6	10	>18	9		B,V,*
3355	17 43 27.0	-24 57 40.1	3.5	1.9	15.0	11	18:	10		V
3356	17 43 27.8	-24 52 26.7	3.6	1.9	14.0	5	18.0	12	4.0	V
3357	17 43 31.1	-24 42 23.6	3.7	2.0	17.0	5	>18	10		V
3358	17 43 32.8	-25 45 3.0	2.8	1.5	15.5	5	18.0	11	2.5	V,*
3359	17 43 34.4	-26 21 56.5	2.3	1.1	15.5	5	>18	10		V
3360	17 43 36.2	-26 3 52.9	2.6	1.3	16.4	10	18:	9		V,*
3361	17 43 36.7	-26 14 55.8	2.4	1.2	17.5	11	>18	12		V,*
3362	17 43 38.3	-24 40 49.2	3.7	2.0	13.8	12	18.0	11	4.2	V
3363	17 43 39.8	-25 25 56.1	3.1	1.6	15.6	7	>18	12		V
3364	17 43 40.5	-25 17 46.6	3.2	1.7	17.5	11	18:	5		B,V
3365	17 43 43.0	-25 55 31.1	2.7	1.3	17.0	10	18:	9		V,*
3366	17 43 44.0	-25 44 43.0	2.9	1.4	16.4	11	17.5	7	1.1	V
3367	17 43 44.9	-25 54 7.5	2.7	1.3	17.0	9	>18	11		V,*
3368	17 43 46.3	-24 46 53.8	3.7	1.9	17.7	11	>18	12		B,V
3369	17 43 46.7	-25 48 26.5	2.8	1.4	17.0	11	>18	10		
3370	17 44 1.9	-25 54 13.6	2.8	1.3	16.4	9	>18	10		V,*
3371	17 44 5.6	-25 42 19.4	2.9	1.4	14.2	12	18.0	9	3.8	B,V
3372	17 44 34.1	-26 15 1.0	2.5	1.0	15.9	11	>18	10		V,*
3373	17 44 34.9	-25 12 44.2	3.4	1.5	16.4	10	>18	9		B,*
3374	17 44 59.0	-24 46 58.2	3.8	1.7	16.7	7	>18	10		V
3375	17 45 2.1	-24 51 16.2	3.8	1.6	11.0	7	16.4	5	5.4	V,*
3376	17 45 33.8	-25 16 22.9	3.5	1.3	15.2	9	>18	10		*
3377	17 46 21.0	-25 39 42.8	3.2	1.0	15.0	10	17.7	5	2.7	*
3378	17 46 51.3	-27 46 51.2	1.5	-0.2	17.5	7	>18	10		V
3379	17 46 53.5	-27 47 43.0	1.5	-0.2	13.2	11	17.0	9	3.8	B,V,*

TABLE 3. *Cross-identification of three different numbering systems (see section 1.3).*

No (this work)	Old No (Terzan, 1966)	No (NSV)
3162	4, Abell 6	9540·
3176	6, Abell 6	9544
3182	8, Abell 6	9549
3203	10, Abell 6	9557
3208	11, Abell 6	9559
3214	13, Abell 6	9565
3222	14, Abell 6	9570
3227	15, Abell 6	9574
3235	17, Abell 6	9585
3238	16, Abell 6	9584
3241	19, Abell 6	9588
3245	20, Abell 6	9589
3250	21, Abell 6	9591
3267	23, Abell 6	9597
3274	25, Abell 6	9605
3285	27, Abell 6	9610
3296	28, Abell 6	9620

TABLE 4. *Distribution, among the fields O, A, B, D, of the different R[Min] depending on their nature: defined, imprecise or considered as* $\sim 19\ m_R$.

Nature of R[Min]	Field	Number
R[Min] is defined	A+B+D+O	1818
R[Min] is considered as $\sim$ 19 m_R	A+B+D+O	1487
R[Max] and R[Min] are imprecise	A+D	44
R[Max] and R[Min] are imprecise	B	24
R[Max] and R[Min] are imprecise	O	3
Total number of variables		3376

TABLE 5. *List of the new diffuse objects in field B.*

No.	R.A. (1950.0) h m s	D. d ' "	l d	b d	ESO/survey No.	Xmm	Ymm	Remarks
Terzan 72	17 25 1.8	-28 32 13.3	358.3	3.4	454	20	211	Nebulosity
Terzan 73	17 25 28.1	-25 31 8.5	0.8	5.0	520	268	119	Nebulosity
Terzan 74	17 25 30.0	-24 39 55.0	1.5	5.5	520	270	165	Globular cluster
Terzan 75	17 26 1.3	-28 34 10.2	358.3	3.2	455	285	221	Galaxy
Terzan 76	17 26 41.9	-29 34 27.1	357.6	2.5	455	270	170	Nebulosity
Terzan 77	17 26 42.8	-27 16 8.2	359.5	3.8	520	253	27	Galaxy
Terzan 78	17 26 43.9	-29 33 50.4	357.6	2.5	455	274	168	Diffuse object
Terzan 79	17 27 3.1	-29 32 4.6	357.7	2.5	455	274	168	Nebulosity
Terzan 80	17 27 7.0	-29 32 4.9	357.7	2.5	455	270	170	Diffuse object
Terzan 81	17 27 12.8	-27 18 16.1	359.5	3.7	520	247	25	Diffuse object
Terzan 82	17 27 31.5	-28 2 29.8	359.0	3.2	455	267	249	Nebulosity
Terzan 83	17 27 36.8	-28 2 21.7	359.0	3.2	455	266	250	Nebulosity
Terzan 84	17 27 39.2	-26 42 5.3	0.1	3.9	520	242	58	Galaxy
Terzan 85	17 27 45.4	-28 38 27.1	358.5	2.9	455	263	218	Nucleus ?
Terzan 86	17 27 47.0	-28 35 56.3	358.5	2.9	455	264	220	Diffuse object
Terzan 87	17 27 51.5	-27 20 55.0	359.6	3.6	520	240	23	Galaxy
Terzan 88	17 27 54.9	-29 6 45.3	358.1	2.6	455	261	193	Diffuse object
Terzan 89	17 28 51.7	-27 9 48.8	359.9	3.5	520	227	33	Nucleus
Terzan 90	17 28 58.5	-27 13 8.1	359.8	3.4	520	226	30	Diffuse object
Terzan 91	17 29 13.2	-27 54 55.3	359.3	3.0	455	254	259	Galaxy
Terzan 92	17 29 24.2	-28 9 50.1	359.1	2.8	455	246	245	Galaxy ?
Terzan 93	17 29 45.6	-28 14 53.8	359.1	2.7	455	240	239	Galaxy
Terzan 94	17 30 16.7	-27 11 8.9	0.0	3.2	520	210	33	Galaxy ?
Terzan 95	17 30 32.8	-26 25 11.7	0.7	3.6	520	208	73	Nebulosity
Terzan 96	17 30 38.1	-27 1 20.0	0.2	3.2	520	207	41	Nebulosity
Terzan 97	17 30 47.3	-27 8 4.3	0.1	3.1	520	204	35	Galaxy
Terzan 98	17 31 14.2	-27 10 57.7	0.1	3.0	520	199	32	Nebulosity
Terzan 99	17 31 14.4	-26 24 12.0	0.8	3.4	520	199	74	Nucleus
Terzan 100	17 31 20.4	-26 23 29.8	0.8	3.4	520	199	74	Nebulosity
Terzan 101	17 31 27.5	-28 10 50.2	359.3	2.4	455	220	245	Globular cluster ?
Terzan 102	17 32 6.2	-26 19 48.9	1.0	3.3	520	189	78	Globular cluster ?
Terzan 103	17 32 38.3	-24 45 35.9	2.3	4.1	520	182	161	Nebulosity
Terzan 104	17 32 59.8	-27 2 5.9	0.5	2.8	520	178	41	Galaxy
Terzan 105	17 33 15.5	-26 32 4.2	0.9	3.0	520	176	67	Diffuse object
Terzan 106	17 33 19.9	-26 51 0.3	0.7	2.8	520	175	50	Galaxy ?
Terzan 107	17 33 44.9	-24 41 11.5	2.5	3.9	520	170	166	Nebulosity
Terzan 108	17 33 47.9	-27 18 14.5	0.3	2.5	520	169	26	Globular cluster ?
Terzan 109	17 33 59.3	-27 33 14.3	0.2	2.3	455	192	278	Nucleus
Terzan 110	17 36 10.1	-27 30 8.6	0.5	1.9	520	141	16	Diffuse object
Terzan 111	17 36 26.2	-24 38 40.0	2.9	3.4	520	138	168	Diffuse object ?
Terzan 112	17 36 29.3	-26 30 22.8	1.3	2.4	520	137	69	Nebulosity
Terzan 113	17 36 32.4	-24 50 47.4	2.8	3.3	520	137	169	Galaxy
Terzan 114	17 36 36.5	-24 38 59.3	2.9	3.4	520	136	158	Globular cluster ?
Terzan 115	17 36 36.7	-24 43 28.8	2.9	3.3	520	135	164	Diffuse object
Terzan 116	17 37 18.8	-25 56 44.2	1.9	2.5	520	126	98	Nebulosity
Terzan 117	17 37 25.0	-25 43 8.0	2.1	2.6	520	125	111	Galaxy ?
Terzan 118	17 38 2.2	-24 40 52.2	3.1	3.1	520	118	166	Diffuse object
Terzan 119	17 38 29.9	-25 43 29.9	2.2	2.4	520	113	111	Nebulosity
Terzan 120	17 38 30.1	-25 45 3.2	2.2	2.4	520	113	104	Nebulosity
Terzan 121	17 38 40.0	-25 14 29.4	2.7	2.7	520	110	136	Nebulosity
Terzan 122	17 38 43.7	-26 37 19.6	1.5	1.9	520	110	63	Nebulosity
Terzan 123	17 39 27.1	-25 47 46.5	2.3	2.2	520	101	107	Nebulosity
Terzan 124	17 39 30.5	-29 50 12.9	358.9	0.1	455	125	157	Nebulosity
Terzan 125	17 40 9.0	-27 7 38.7	1.3	1.4	520	93	35	Nebulosity
Terzan 126	17 40 21.8	-27 16 56.5	1.1	1.3	520	91	28	Nebulosity
Terzan 127	17 40 28.3	-27 13 31.1	1.2	1.3	520	89	30	Nucleus ?
Terzan 128	17 41 28.7	-26 40 34.1	1.8	1.4	520	77	60	Nucleus
Terzan 129	17 42 11.6	-27 4 48.2	1.5	1.0	520	68	38	Galaxy ?
Terzan 130	17 42 44.0	-26 4 29.6	2.5	1.4	520	63	92	Nebulosity
Terzan 131	17 43 4.0	-26 16 41.0	2.3	1.3	520	58	80	Nebulosity
Terzan 132	17 43 4.8	-25 46 54.1	2.7	1.5	520	57	107	Nebulosity
Terzan 133	17 43 12.9	-25 48 19.4	2.7	1.5	520	56	106	Nebulosity
Terzan 134	17 43 15.2	-25 49 4.7	2.7	1.5	520	55	105	Nebulosity
Terzan 135	17 43 16.1	-25 48 19.4	2.7	1.5	520	55	106	Diffuse object
Terzan 136	17 45 24.7	-24 38 56.8	4.0	1.7	520	29	166	Nebulosity

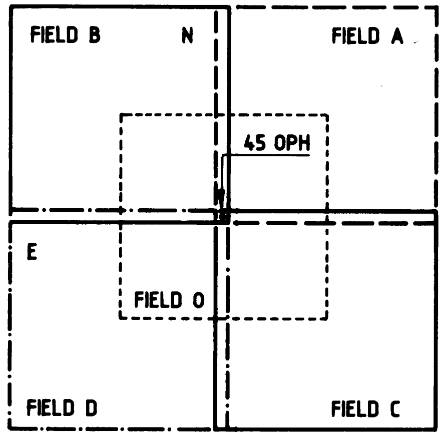

FIGURE 1. Partition in four parts of the large field chosen for this program of detection of variable stars. Position of the field B.

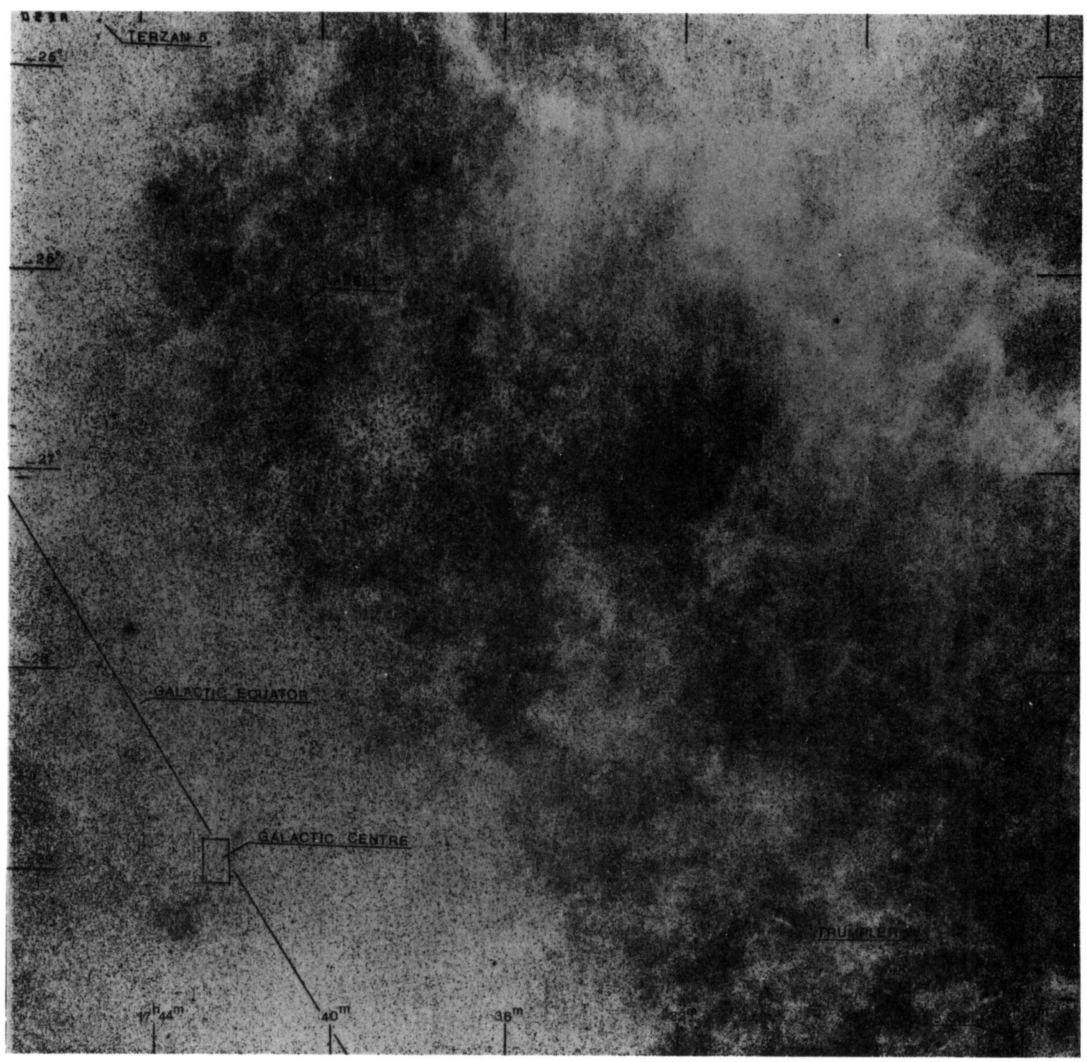

FIGURE 2. Chart on the field B from an R $(\lambda_{\rm eff} \sim 6500$ Å$)$ plate.

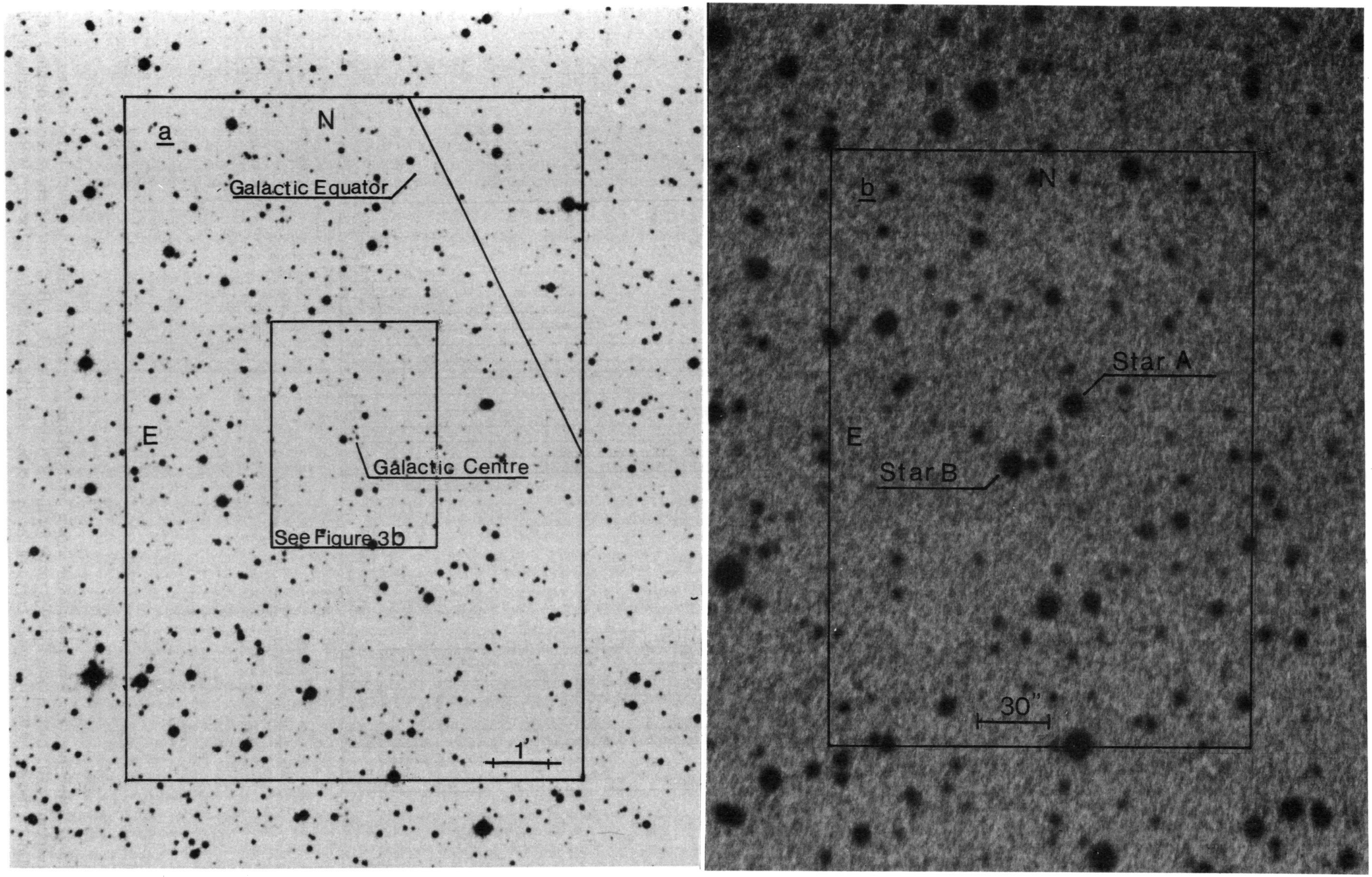

FIGURE 3. Partial enlargement (in two steps) of the zone of the galactic center: a) enlargement of the subframe shown in figure 2; b) enlargement of the central portion of part a. The coordinates (equinox 1950.0, Perth fundamental system) of the stars A and B, as well as of the non-thermal source Sgr A are (Storey & Allen, 1983):

Source	*R.A.*	*D.*
Star A	$17^h42^m30^s.01$	$-28°59'02''.0$
Star B	$17^h42^m31^s.58$	$-28°59'28''.1$
Sgr A non-thermal source	$17^h42^m29^s.33$	$-28°59'18''.30$

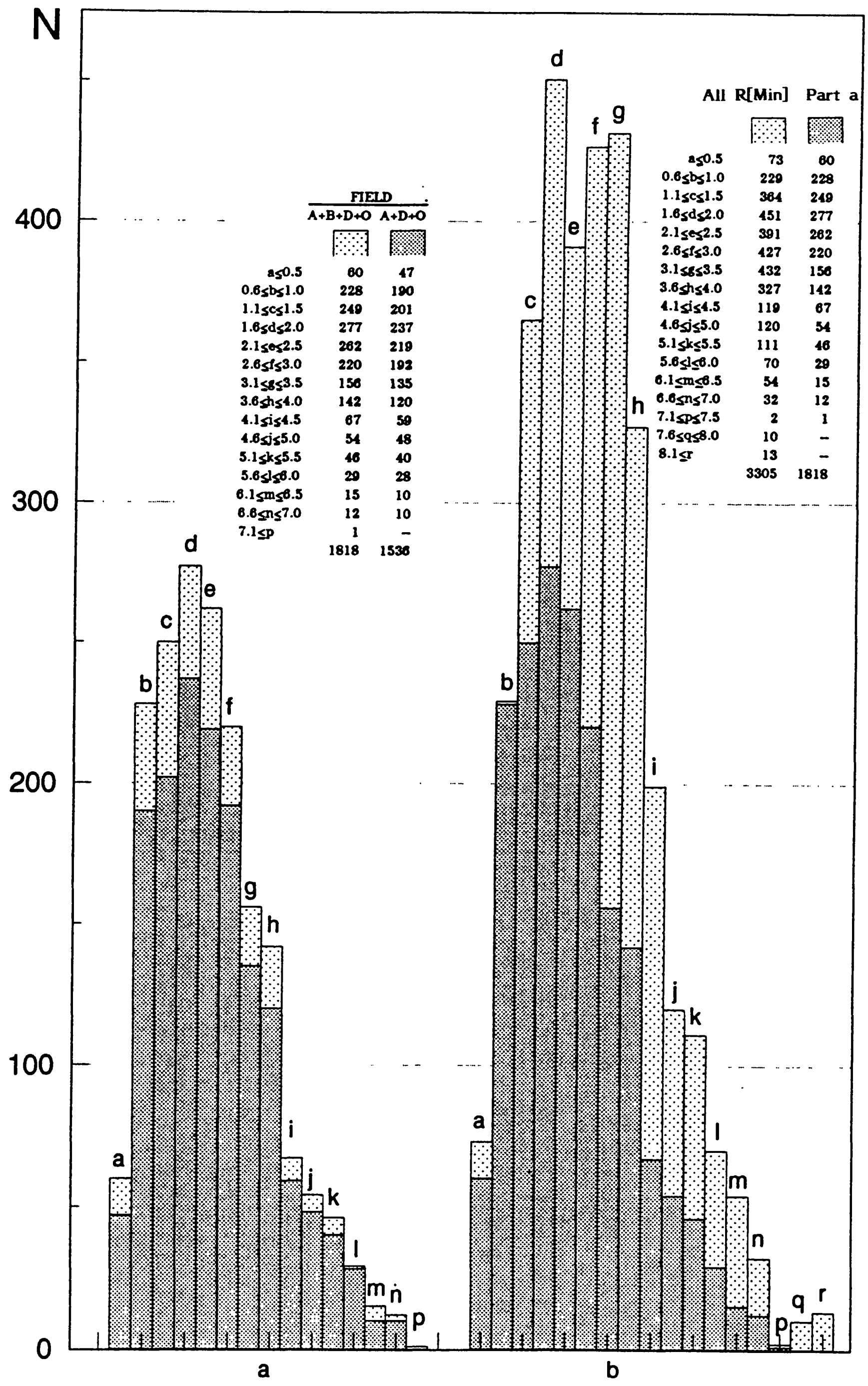

FIGURE 4. Histogram $\delta m/N$; the intervals of magnitude are shown on the X-axis, the absolute values are given in the legend, and the width of each bin corresponds to 0.5 mag: a) this figure is made for the 1818 stars (fields O, A, B, D) for which we have a defined value of R[Max] and of R[Min] on the m_R scale; b) same as part a of the figure, but after the adoption for all the stars with imprecise R[Min] of the approximate value 19 m_R; the number of stars is here 3305.

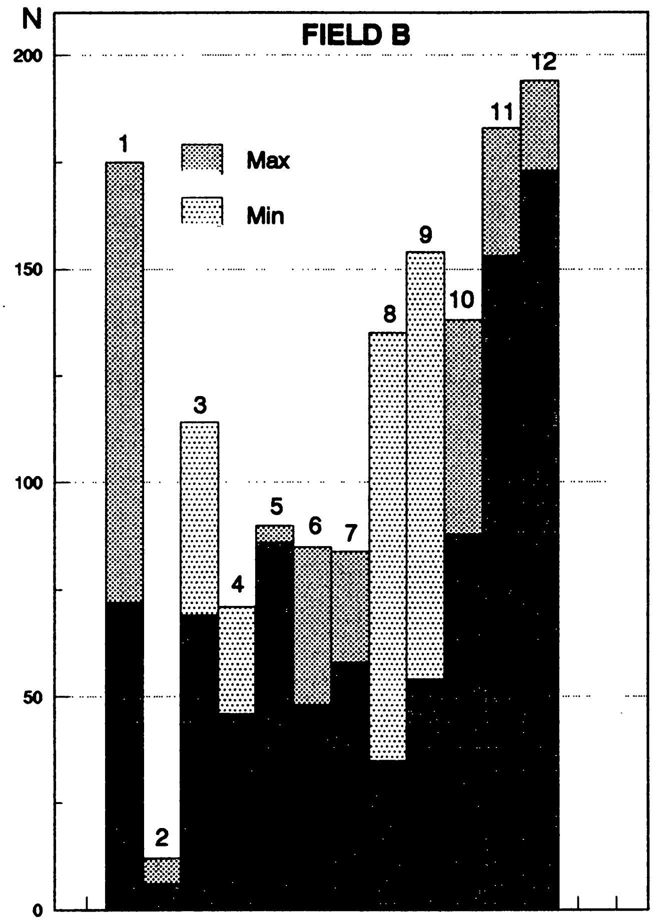

FIGURE 5. Distributions of R[Max] and R[Min] for the measured plates. The number shown at the top of each bin designates the plate in question (see Tab. 1).

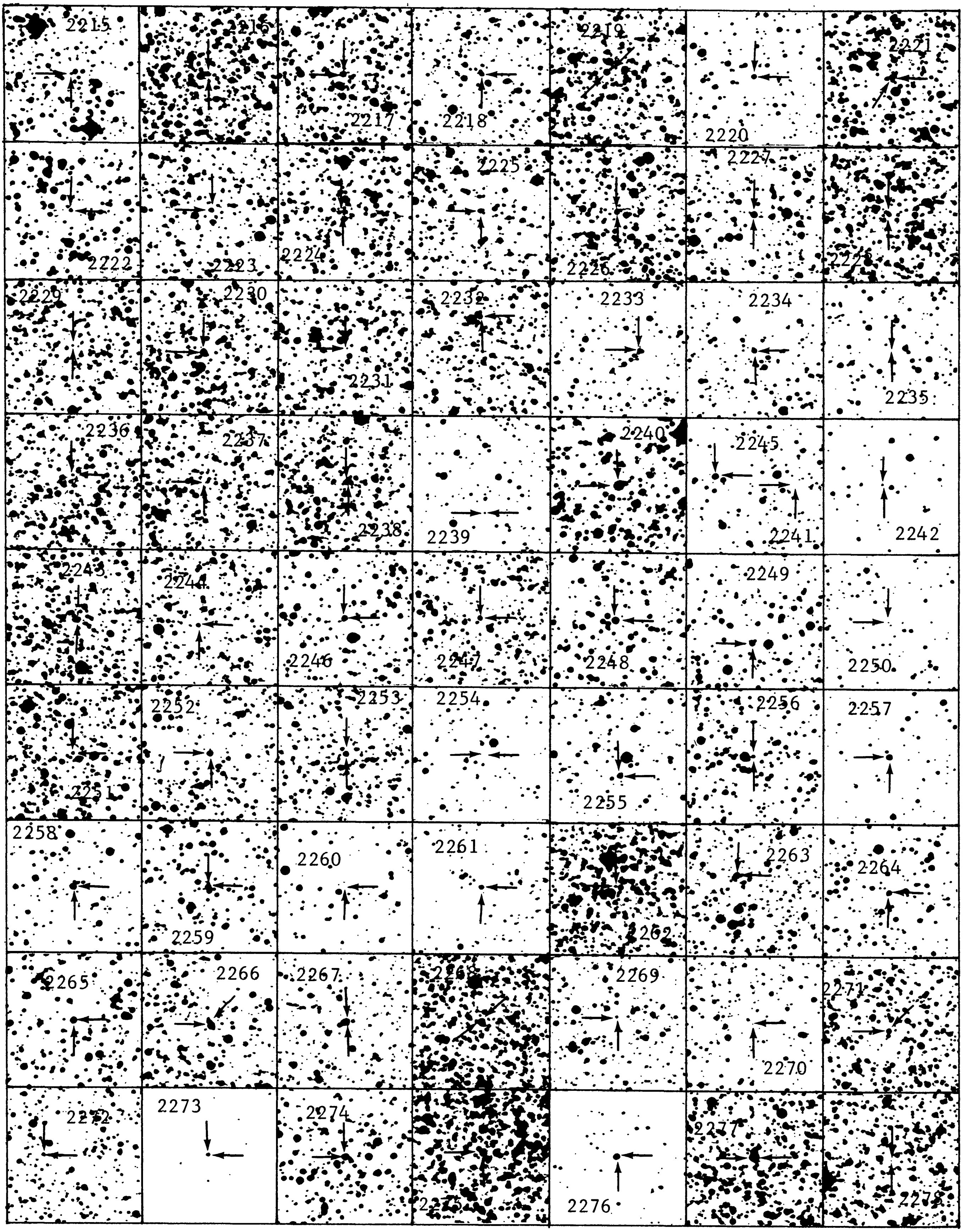

PLATE 1.

PLATES 1-16. Identification charts for the 1165 new variable stars of field B. They are based on R ($\lambda_{eff} \sim 6500$ Å) plates.

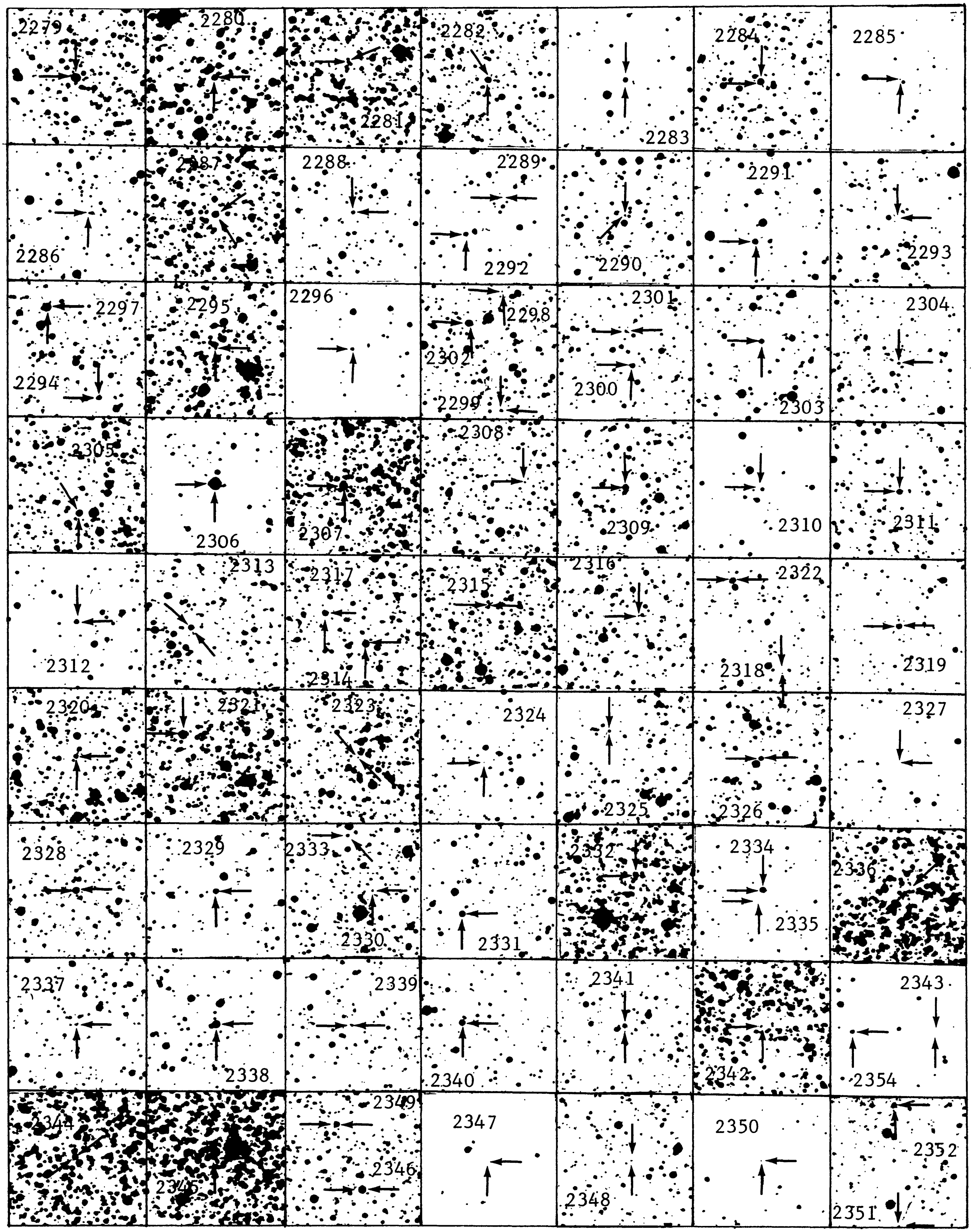
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PLATE 2.

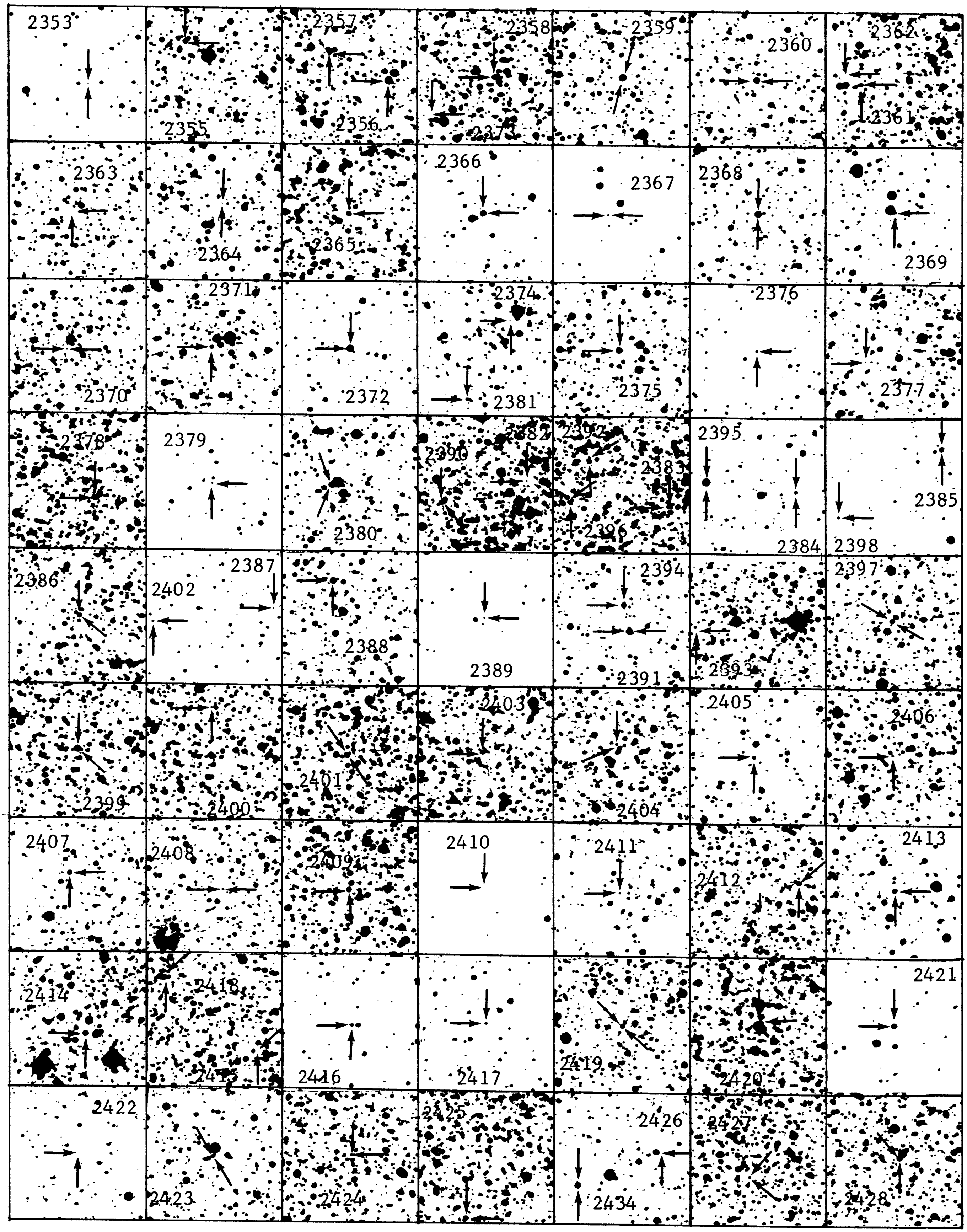
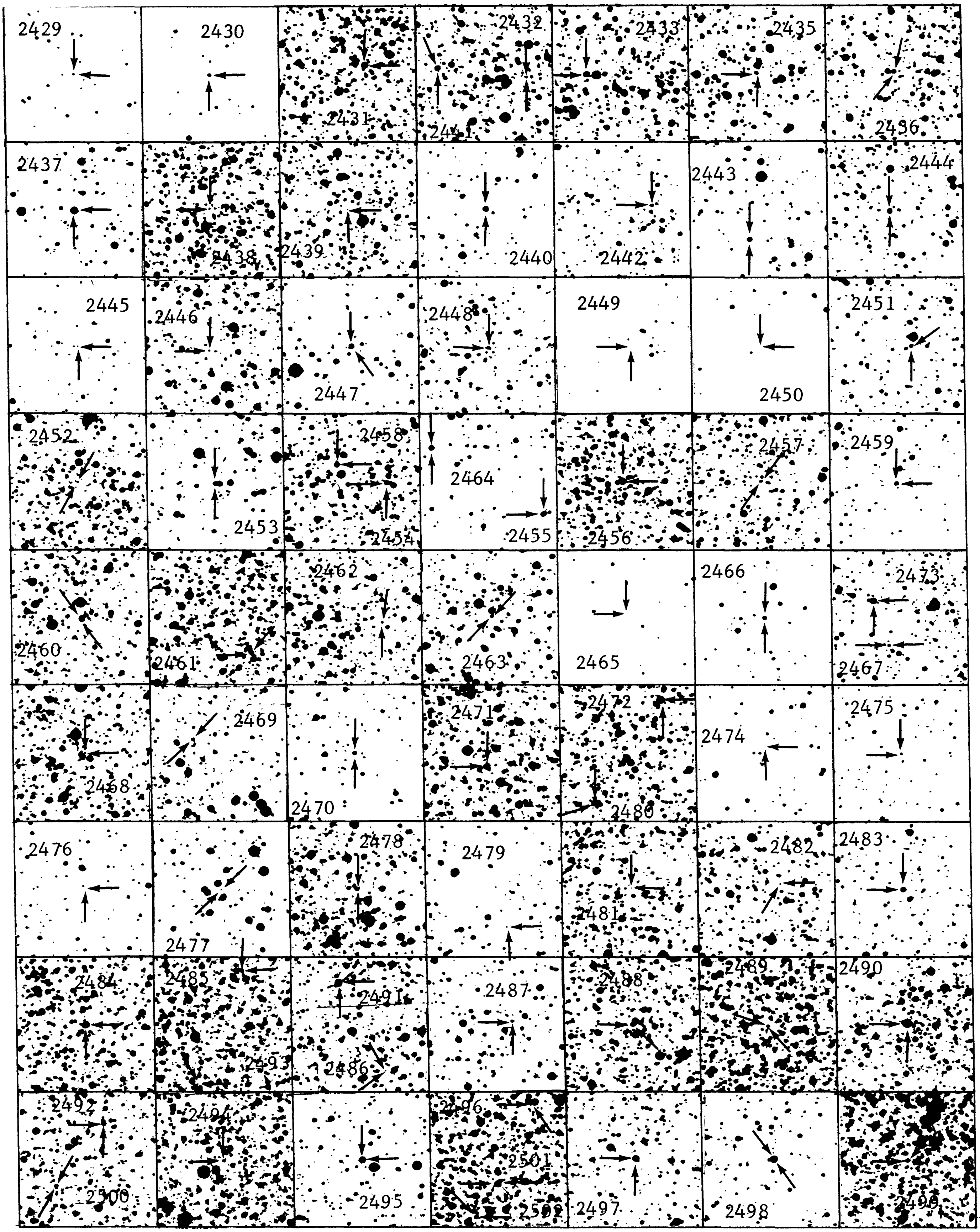


PLATE 3.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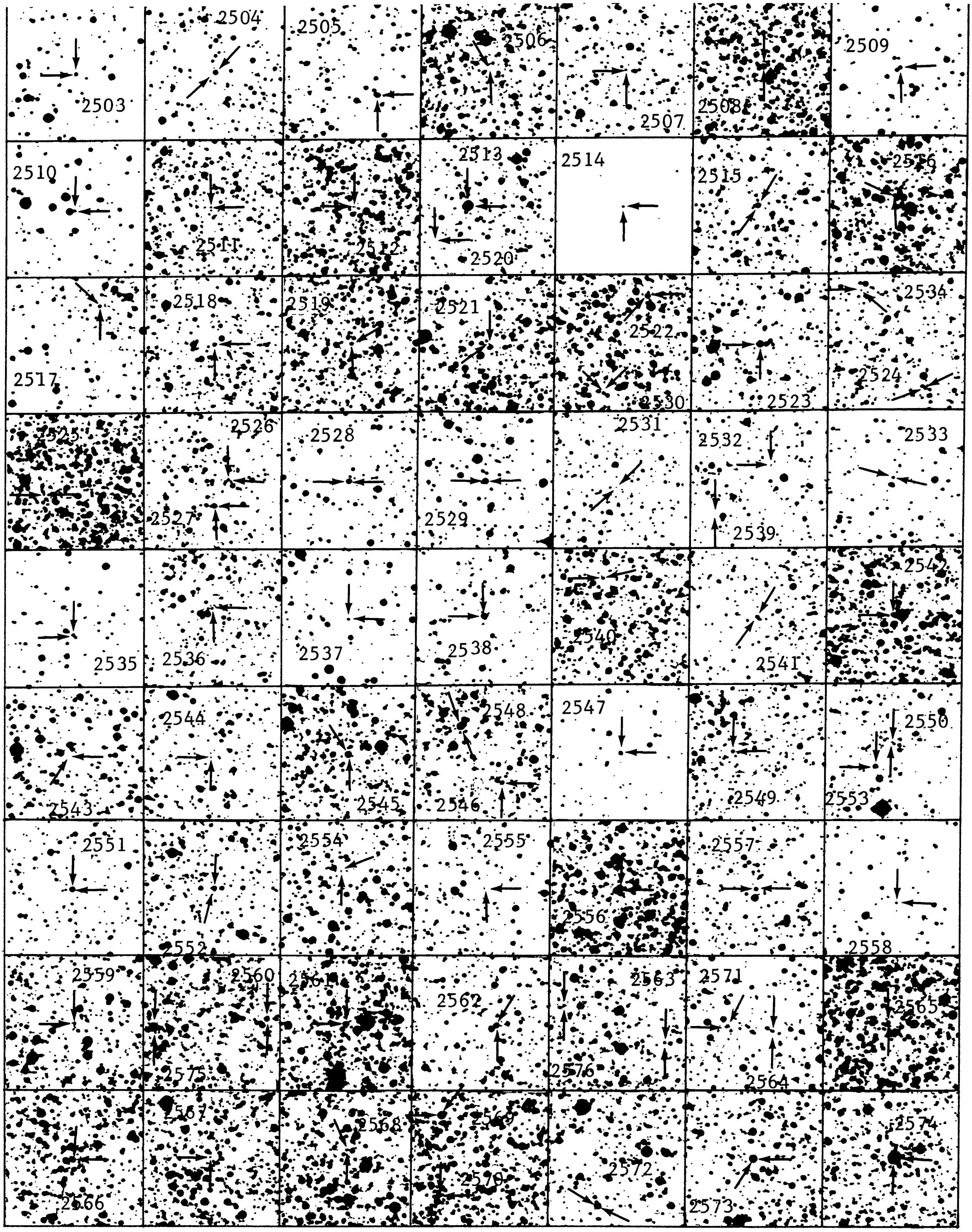
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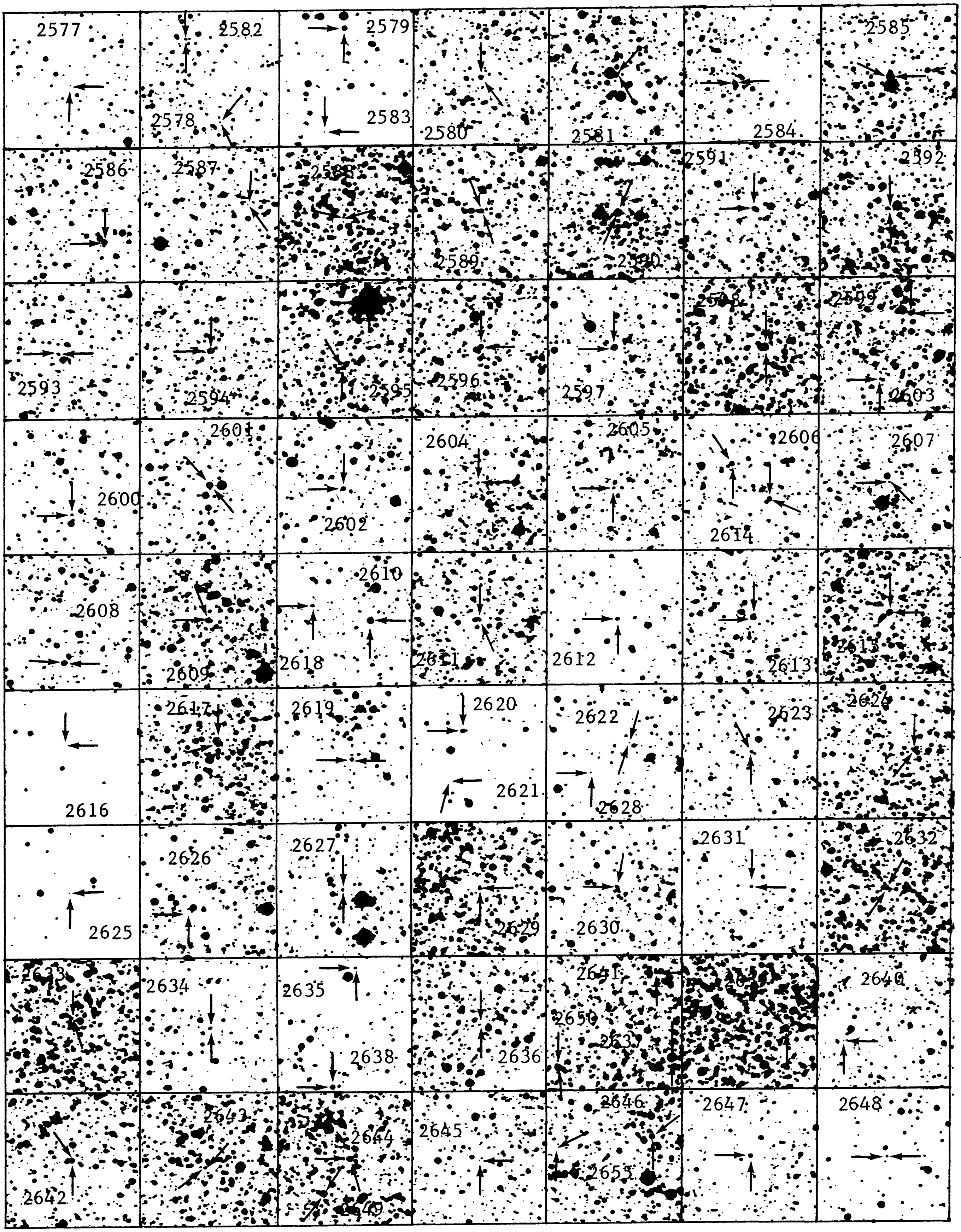
PLATE 5.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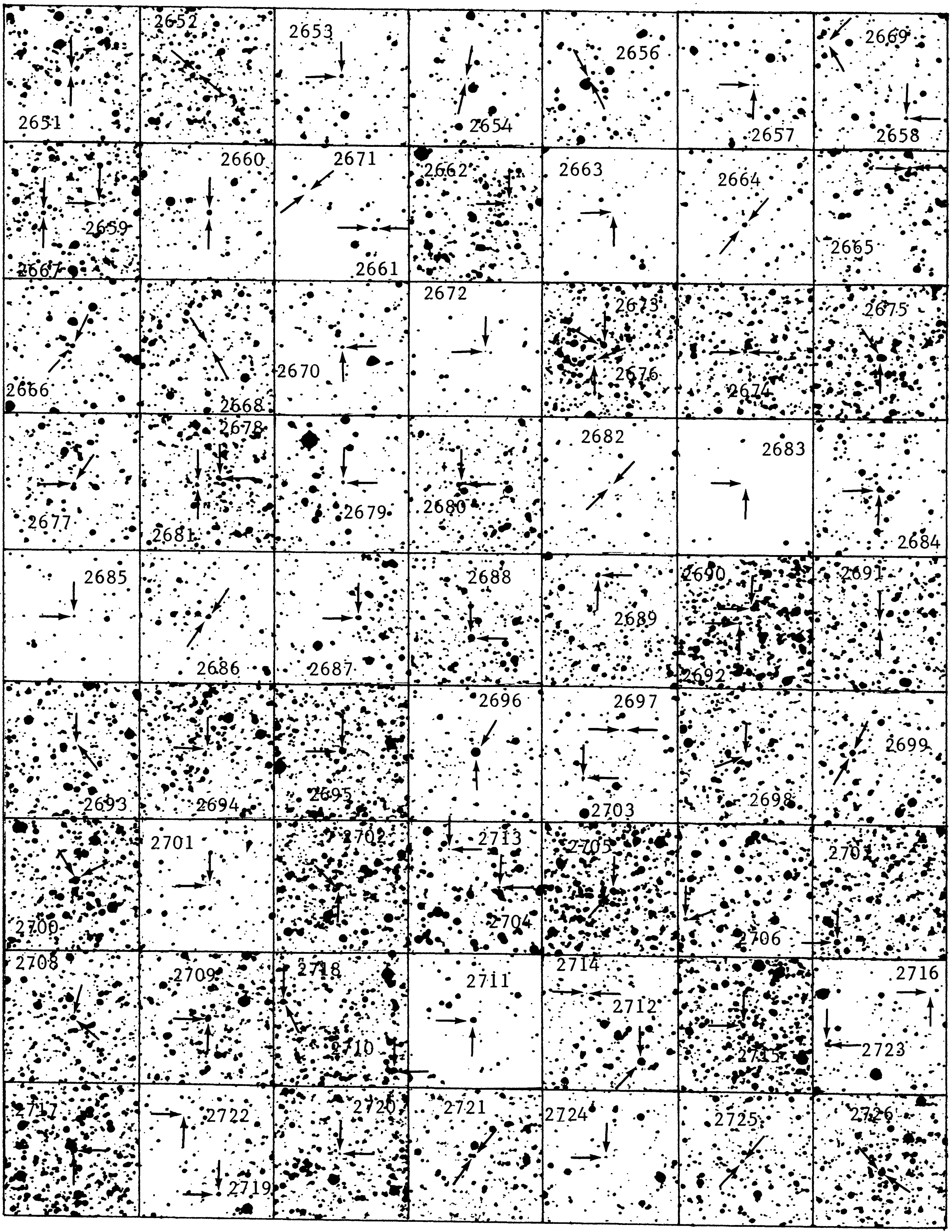
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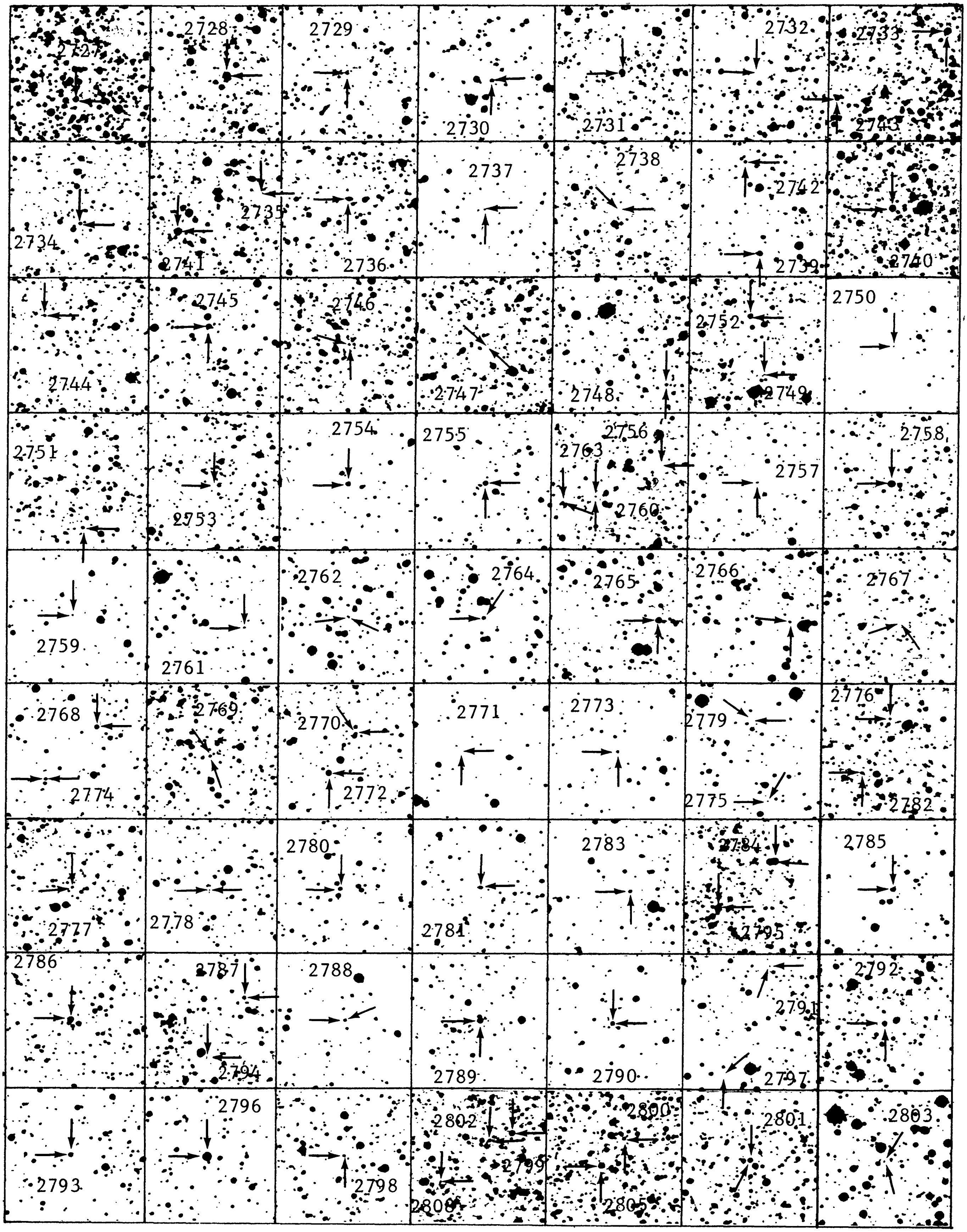
PLATE 7.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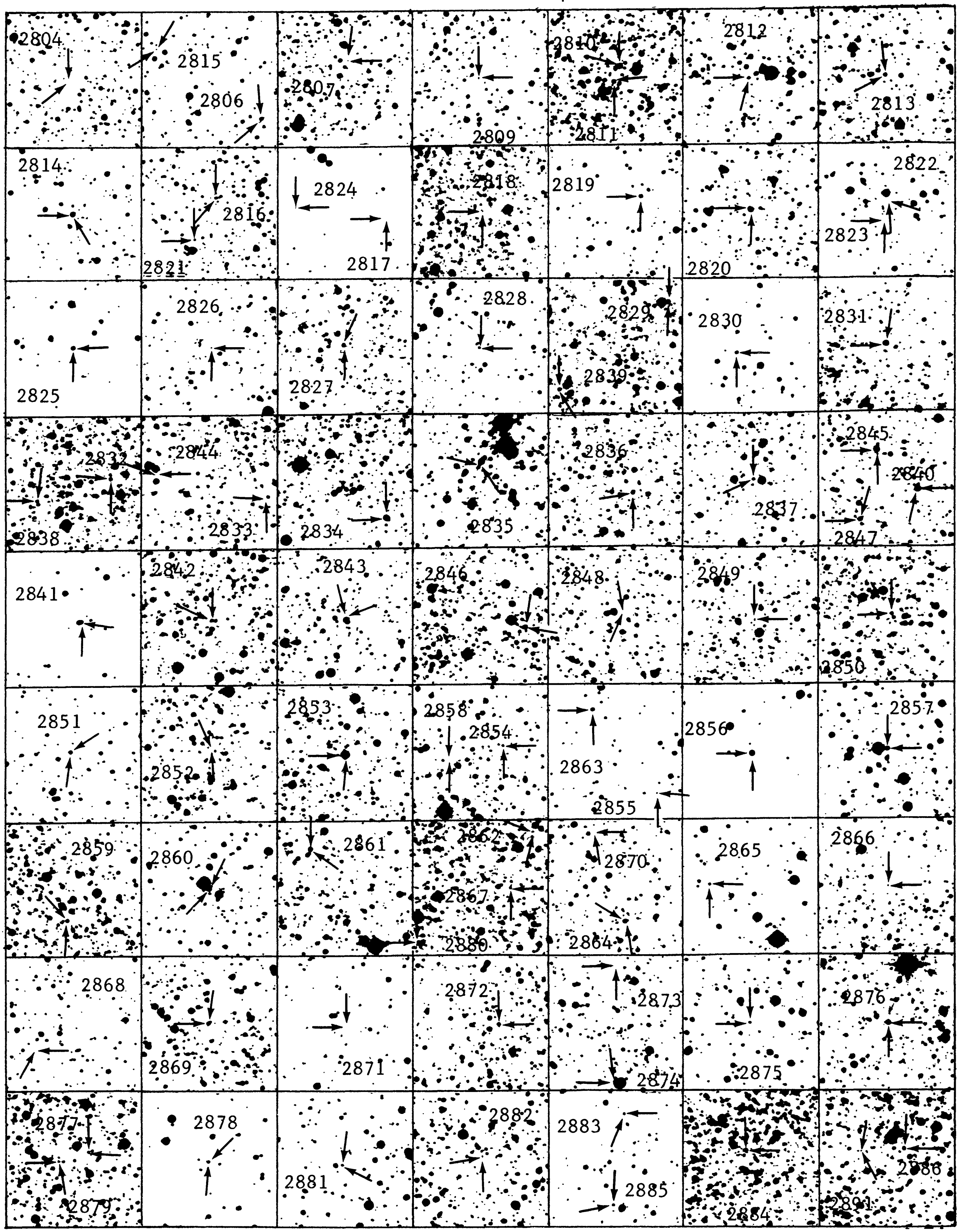
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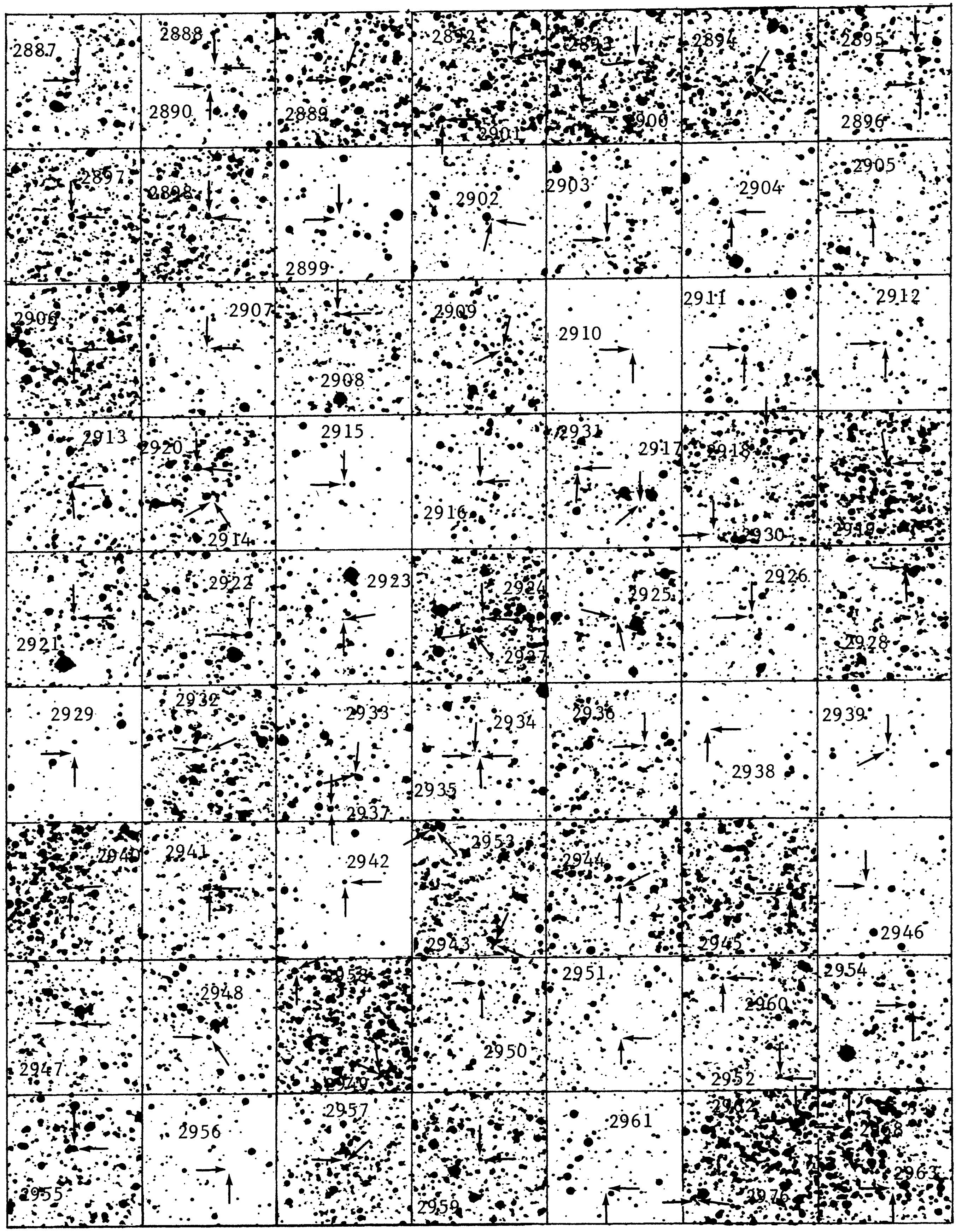

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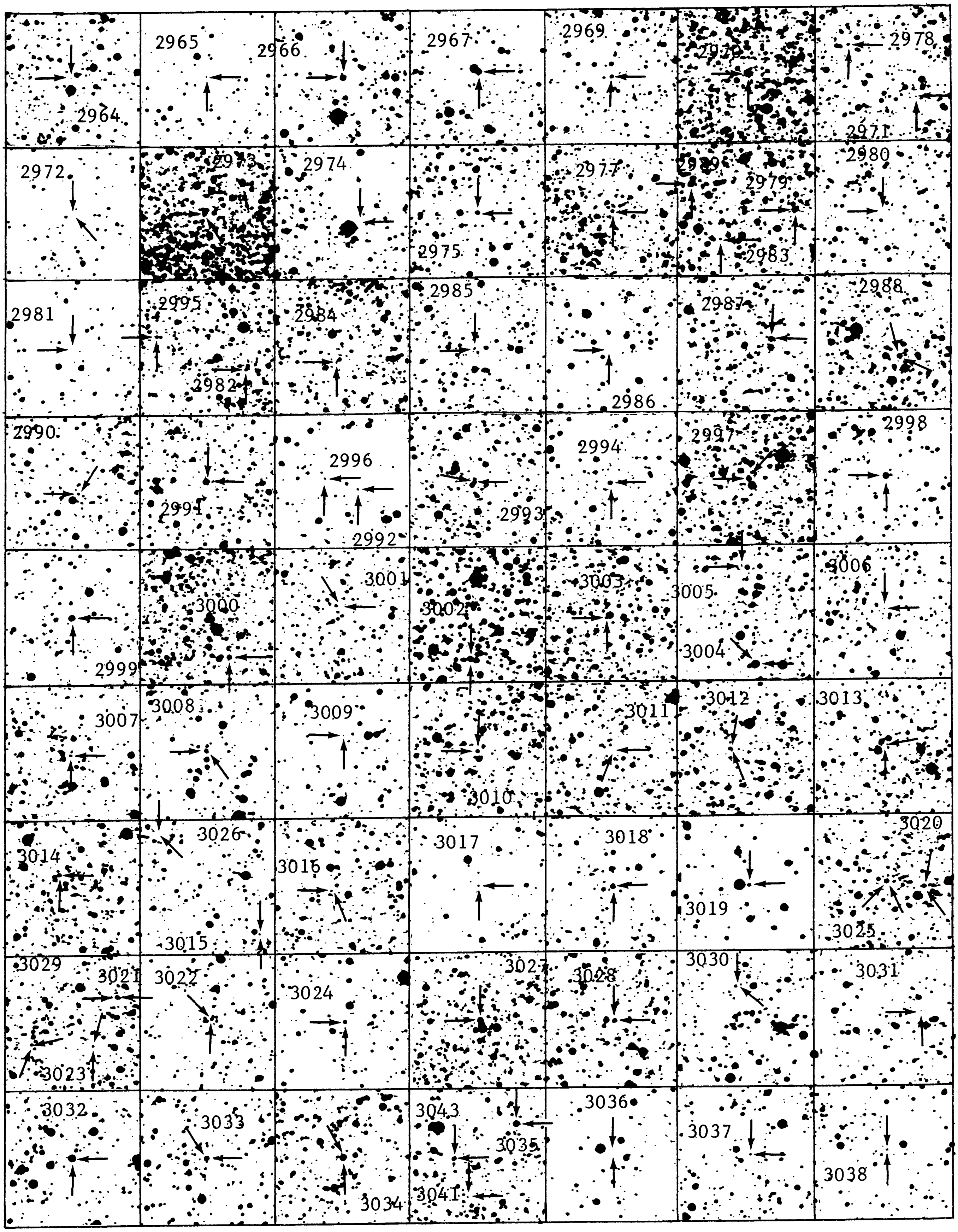
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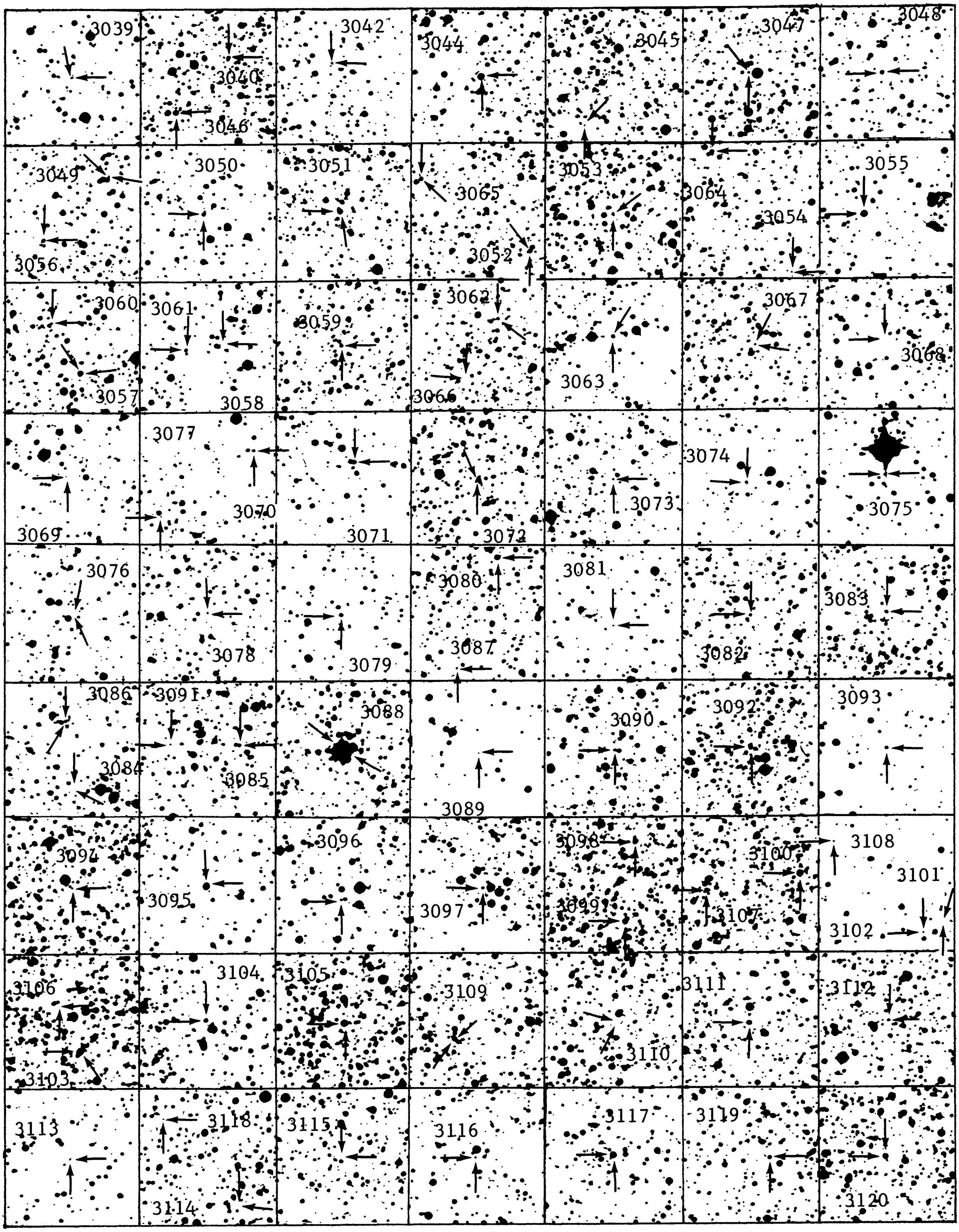
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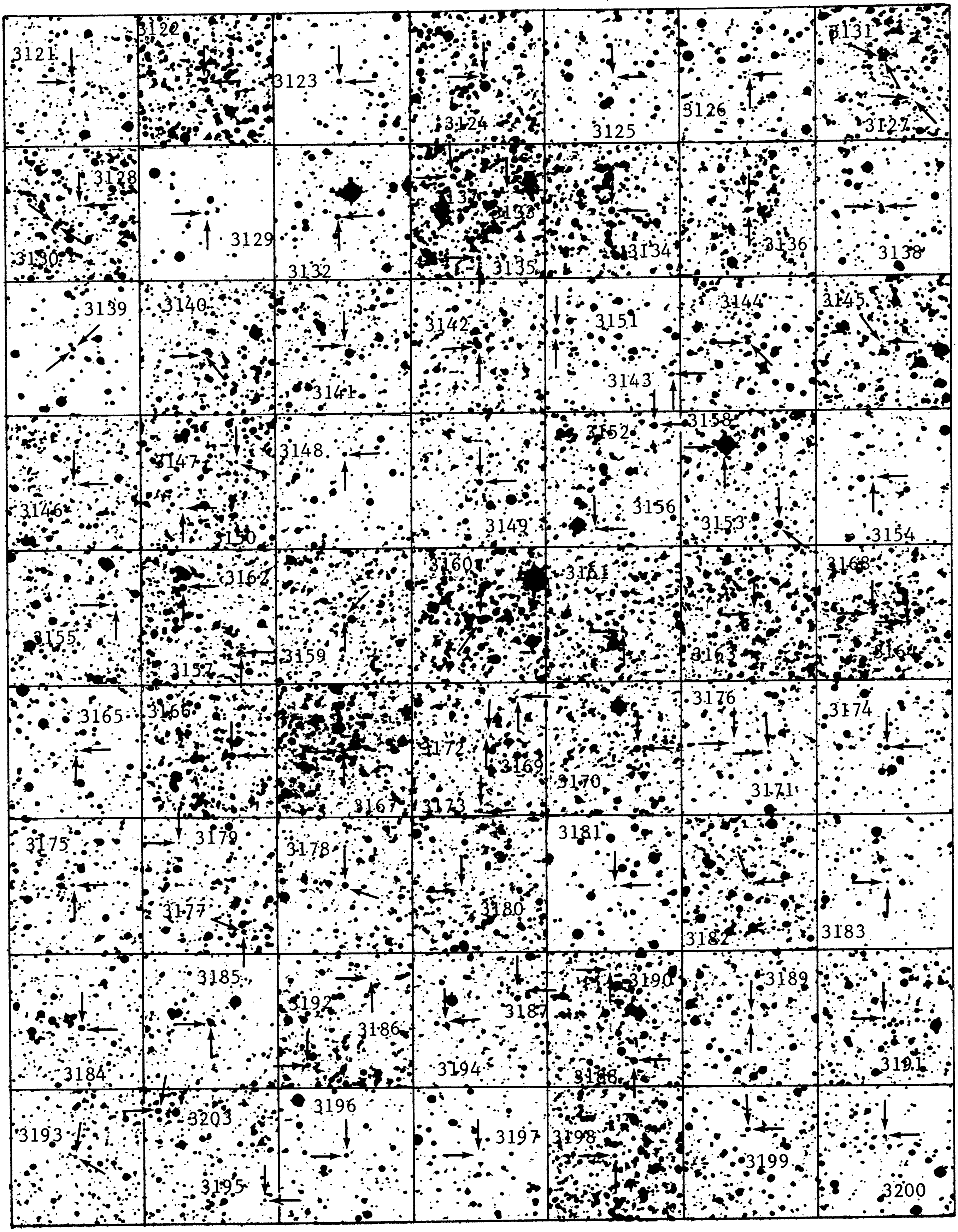
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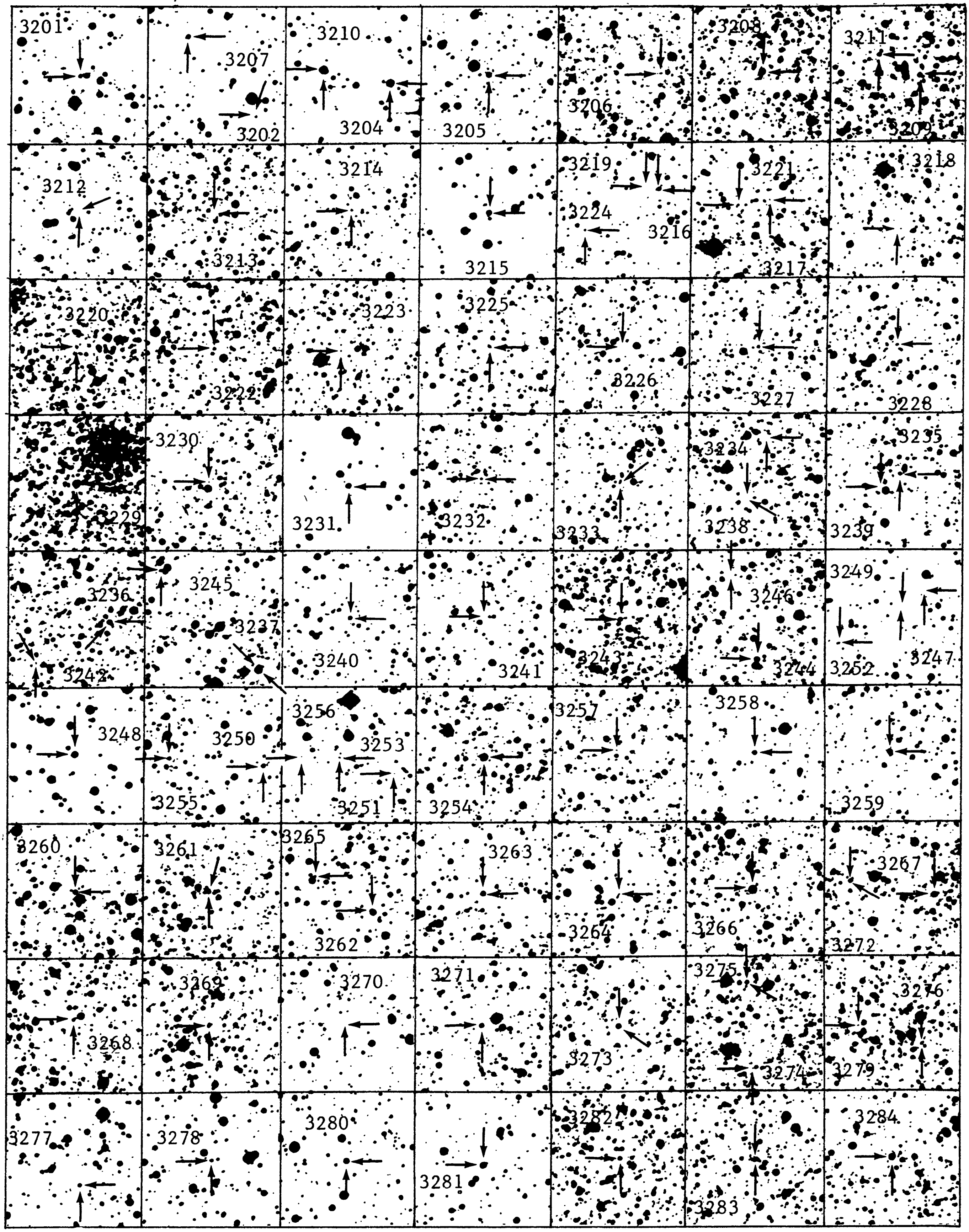
PLATE 13.



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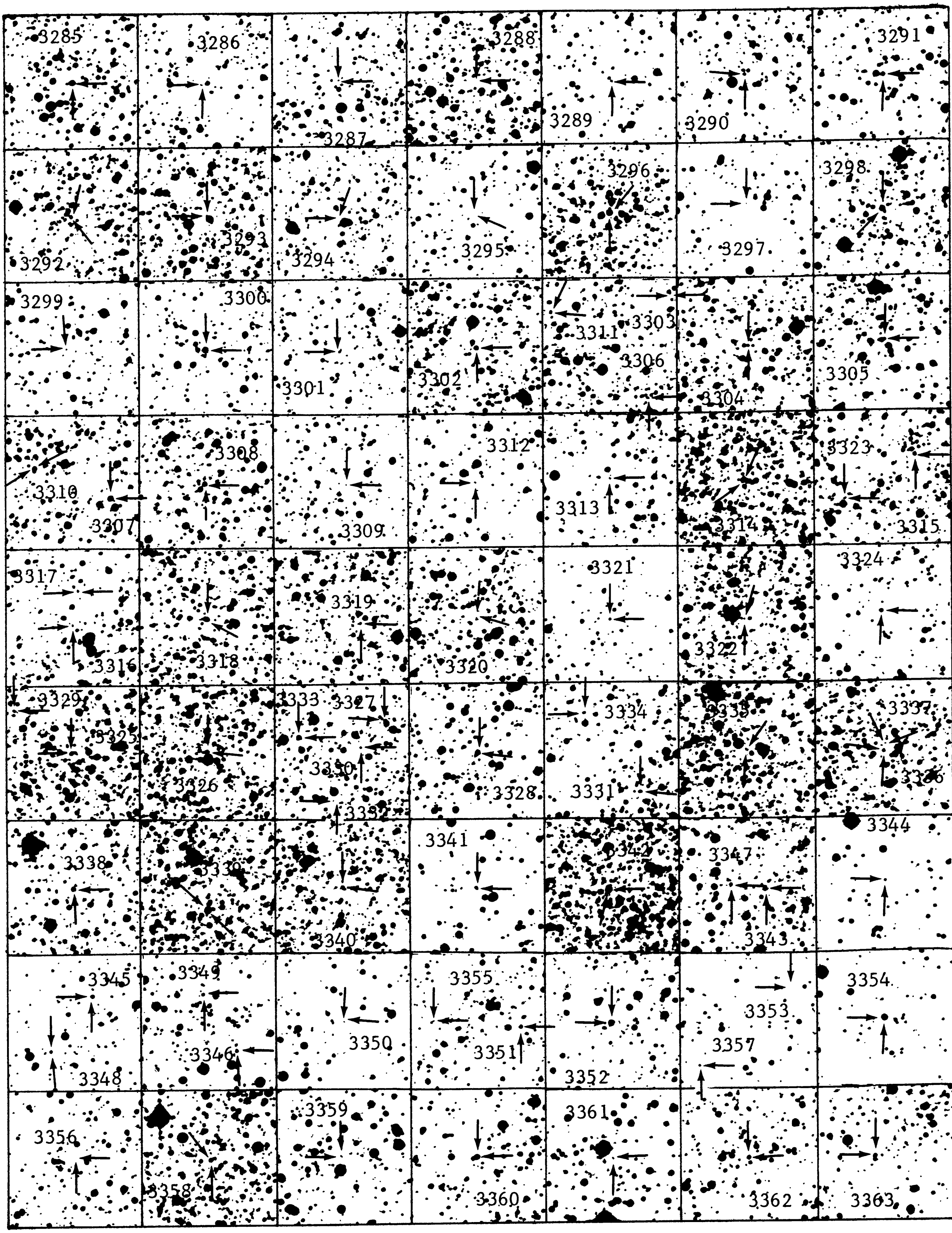
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Plate 15.

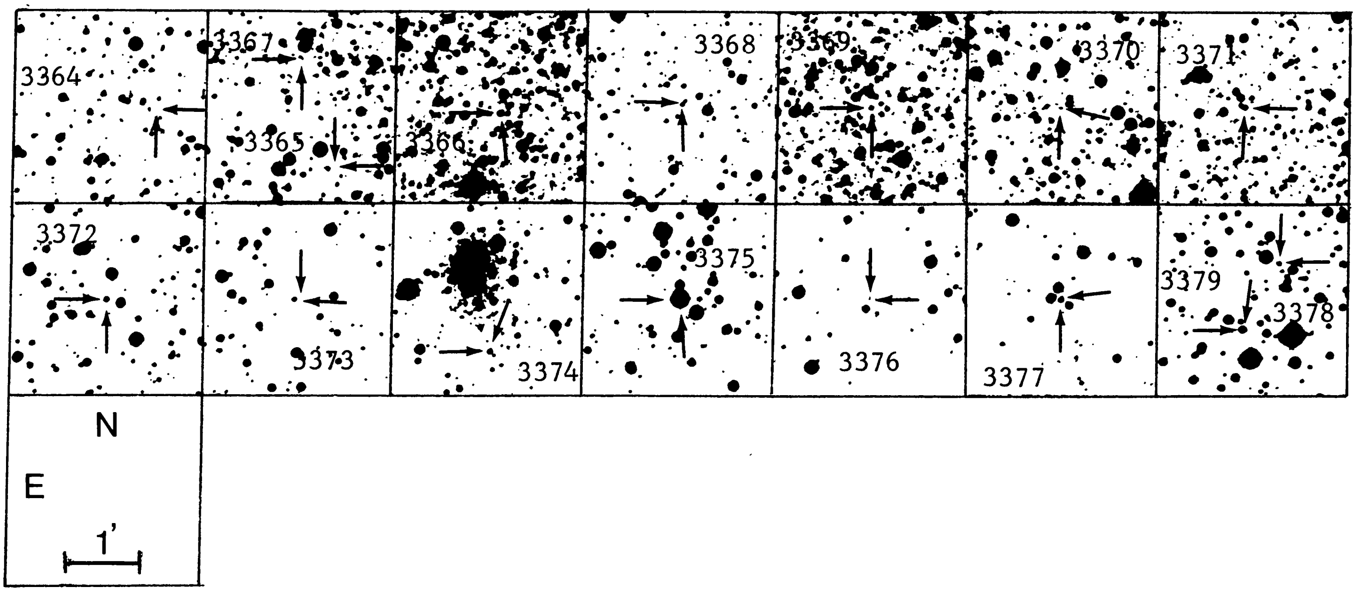
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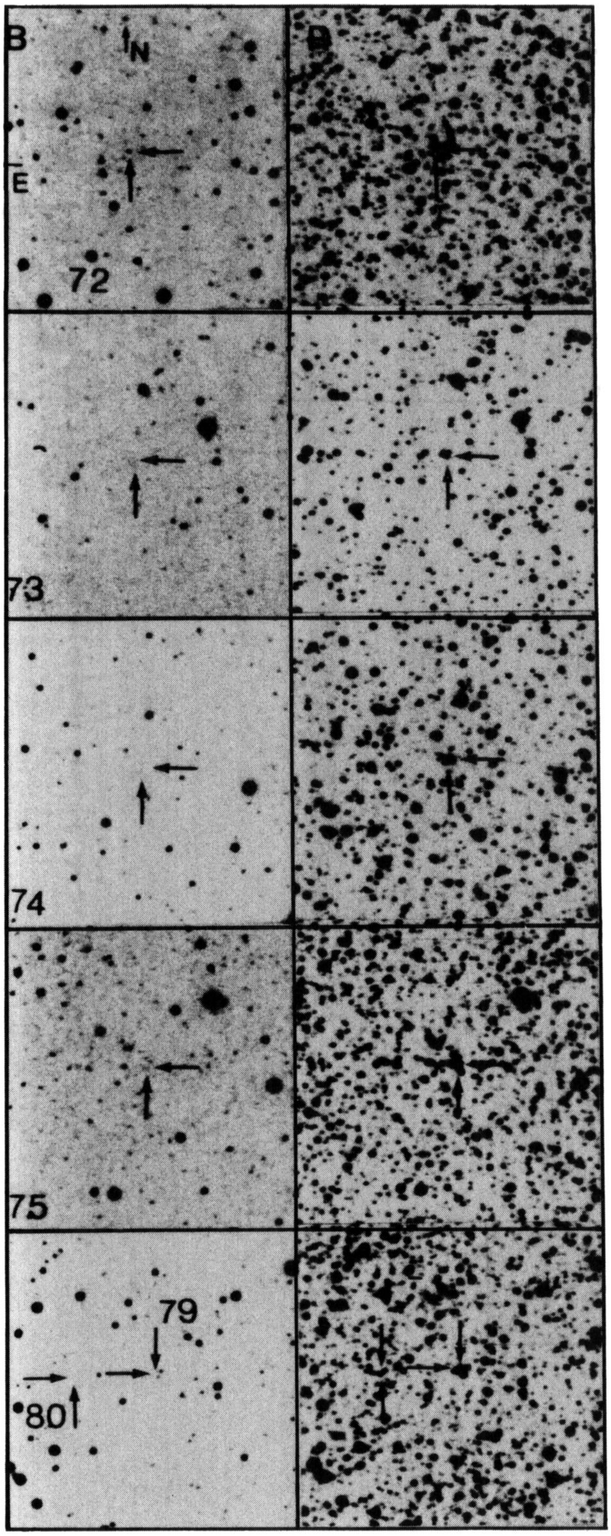
PLATE 16.



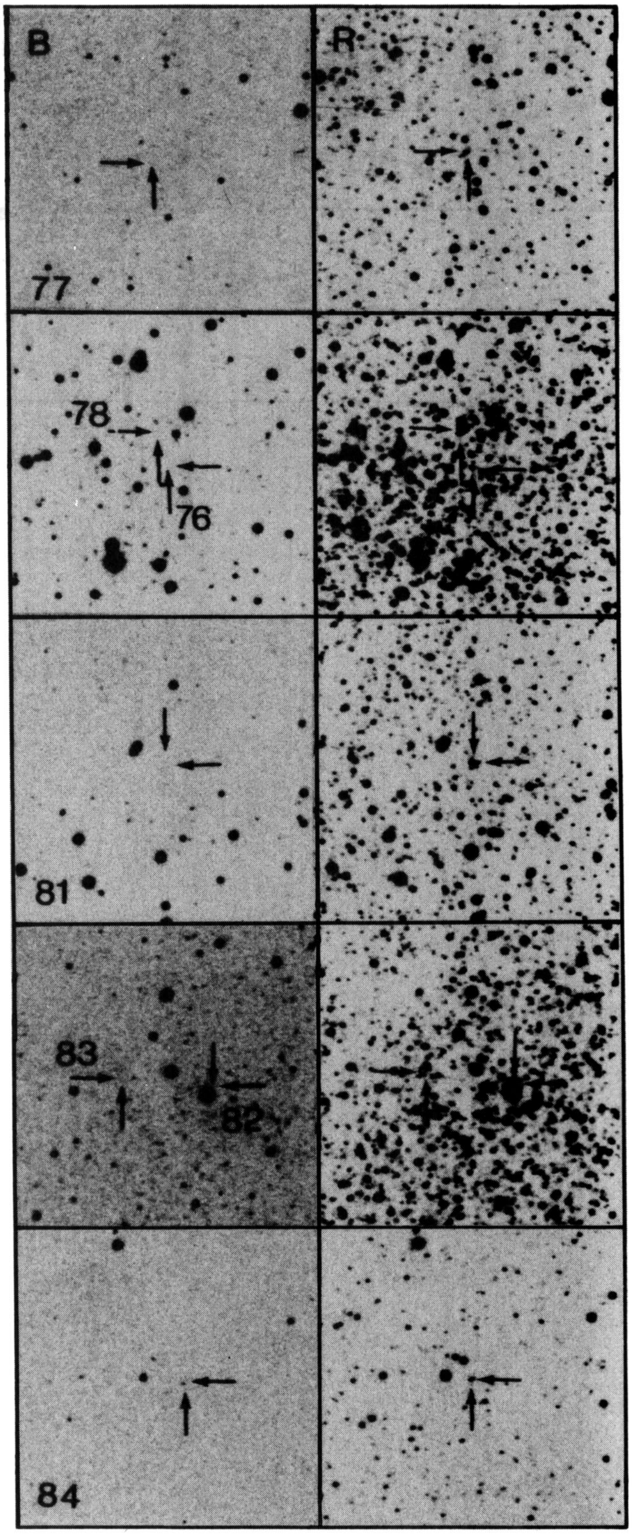
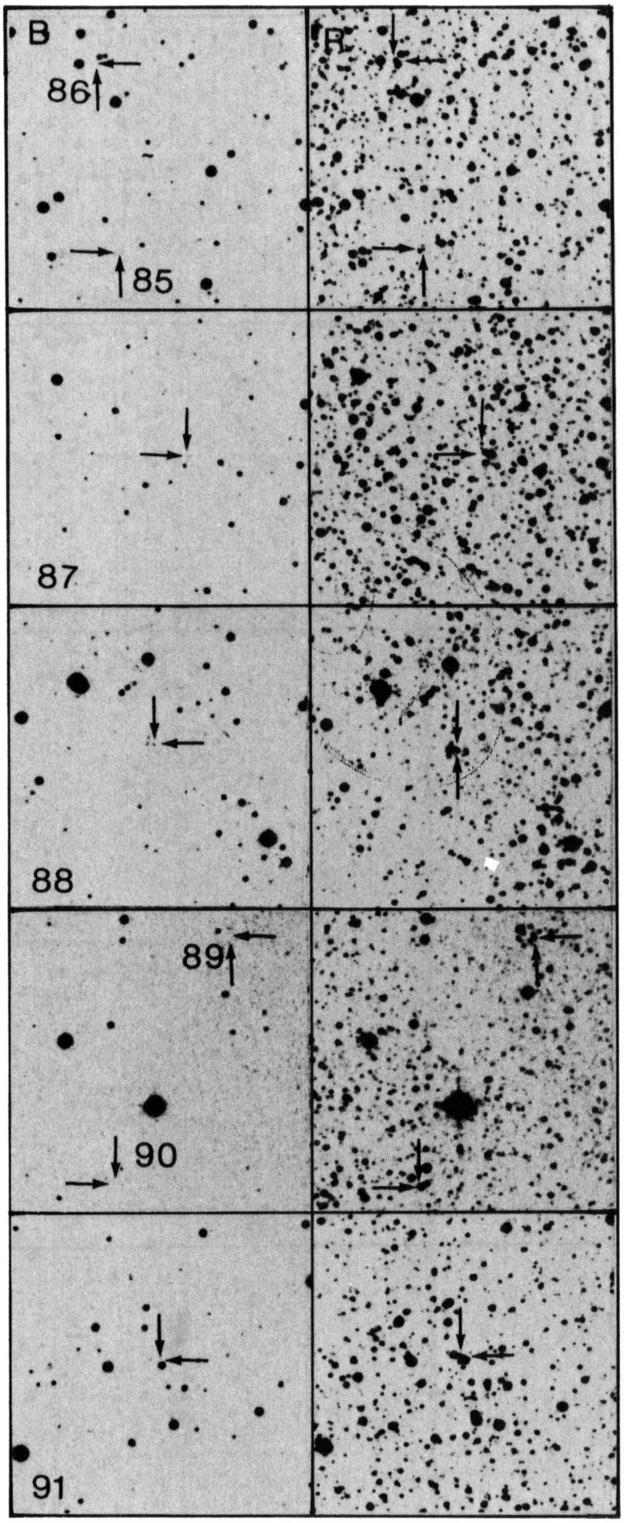


Plate 17.

Plates 17-22. Identification charts for the 65 new diffuse objects of field B. They are based on *B* and *R* plates.



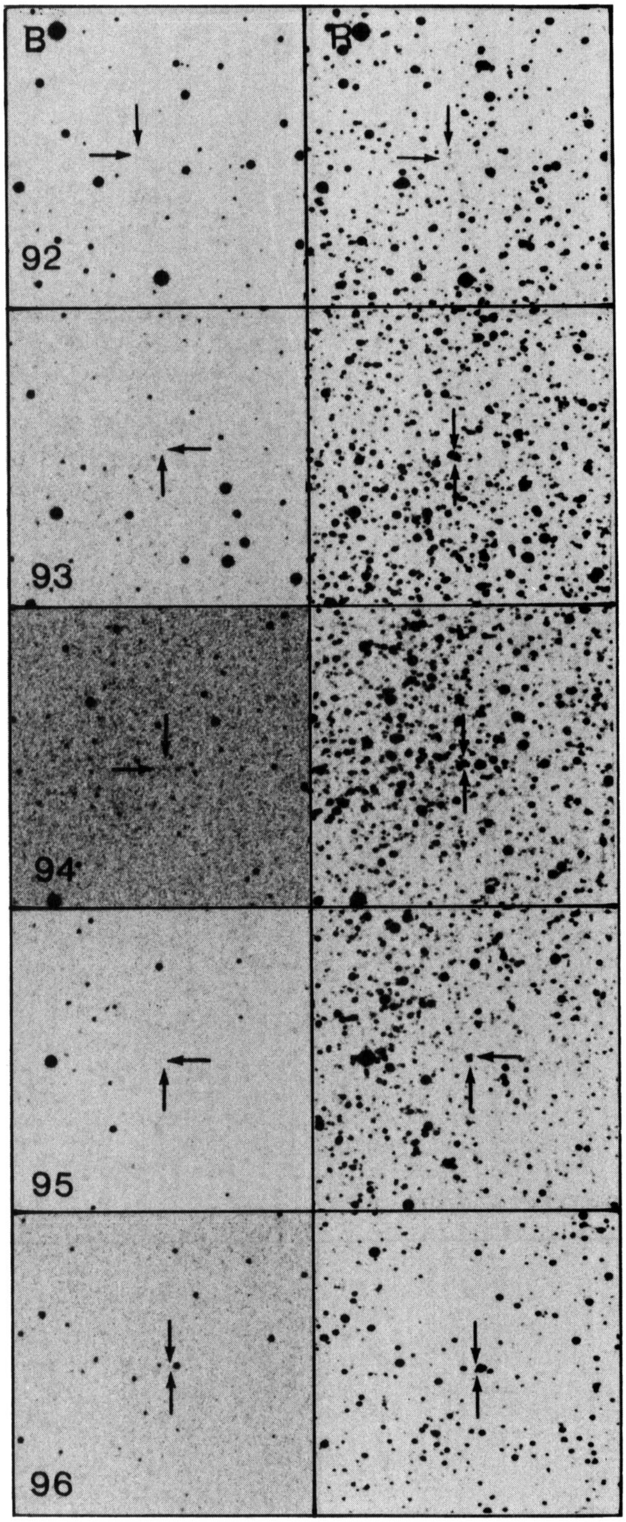


PLATE 18.

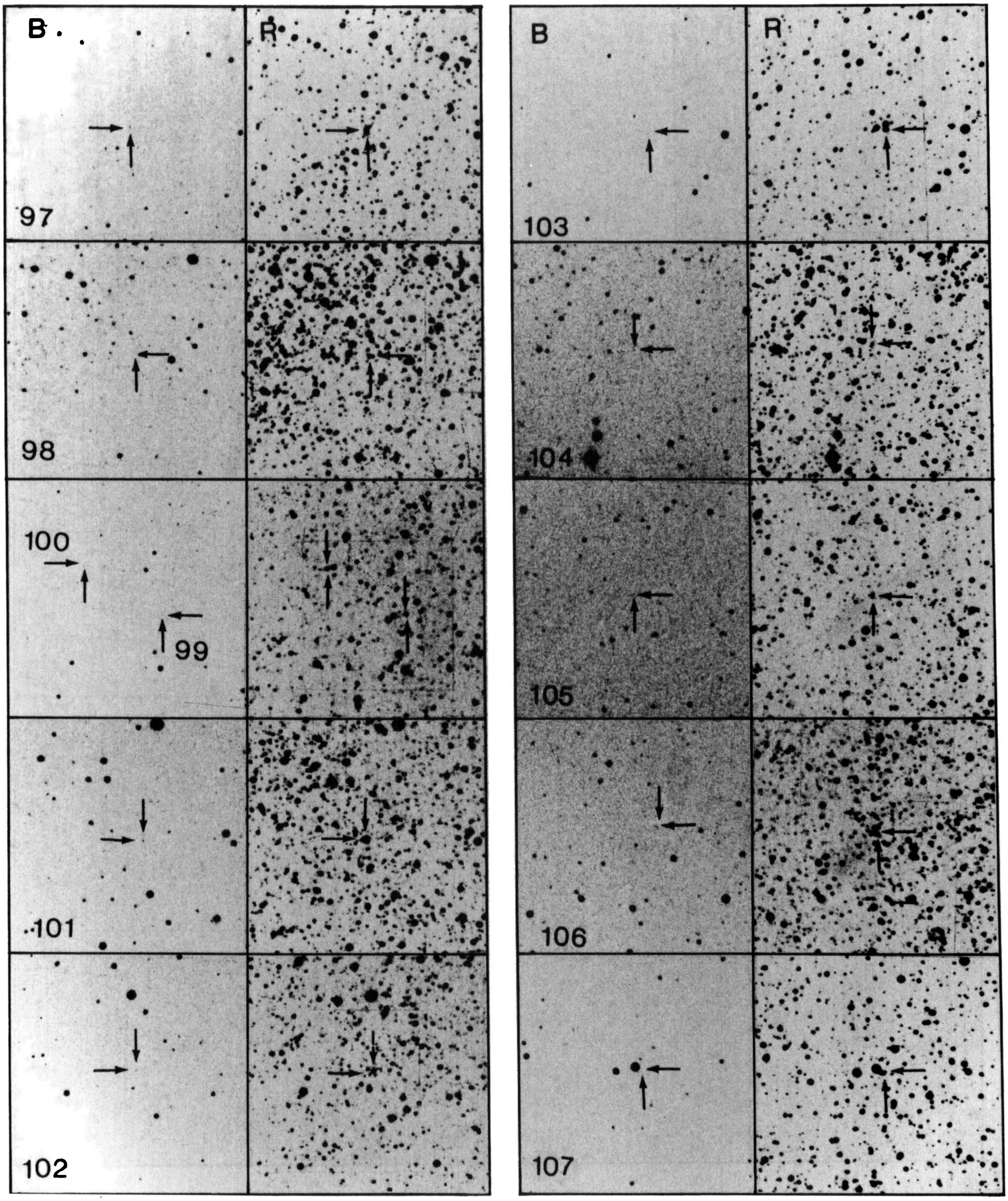


PLATE 19.

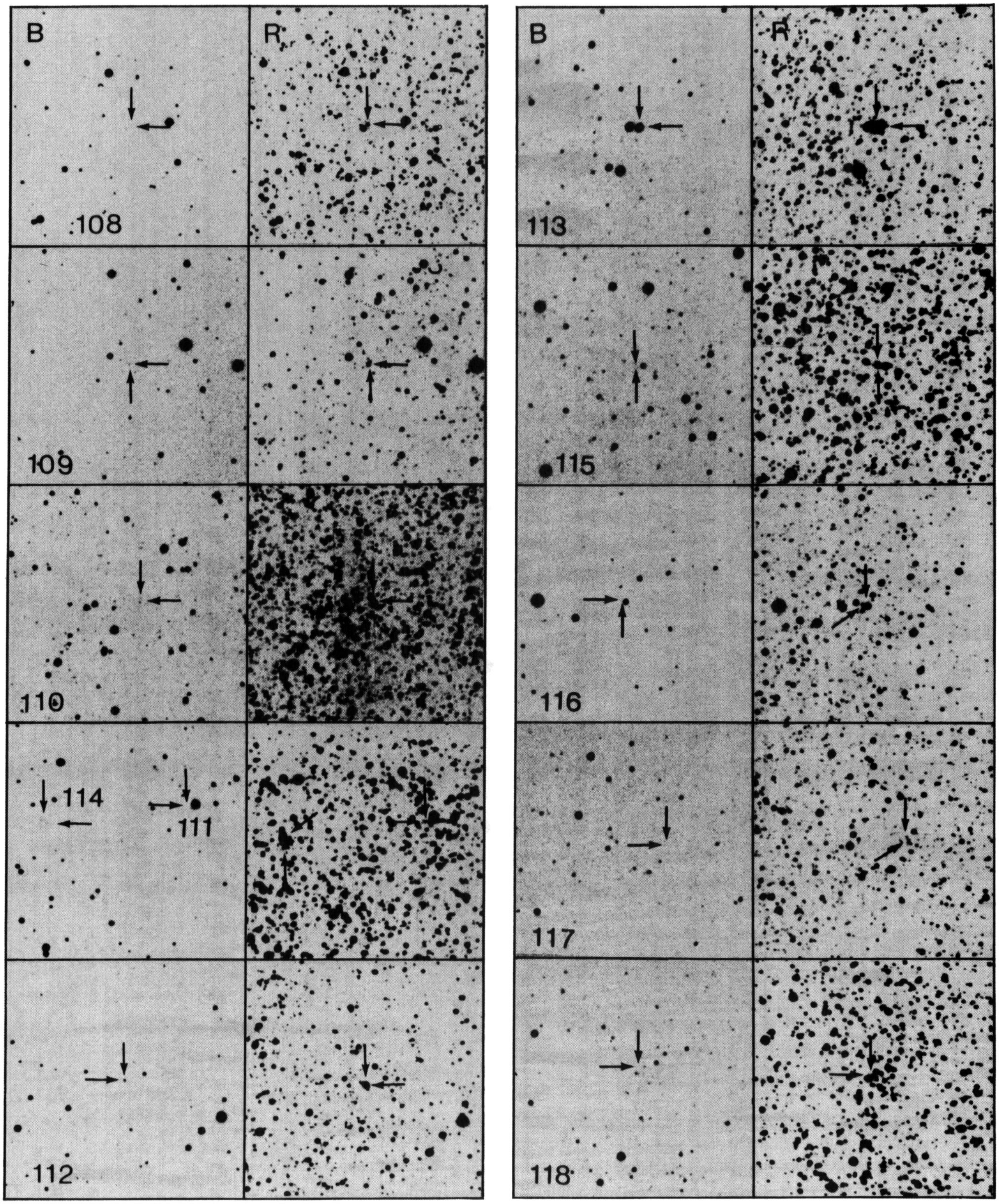


PLATE 20.

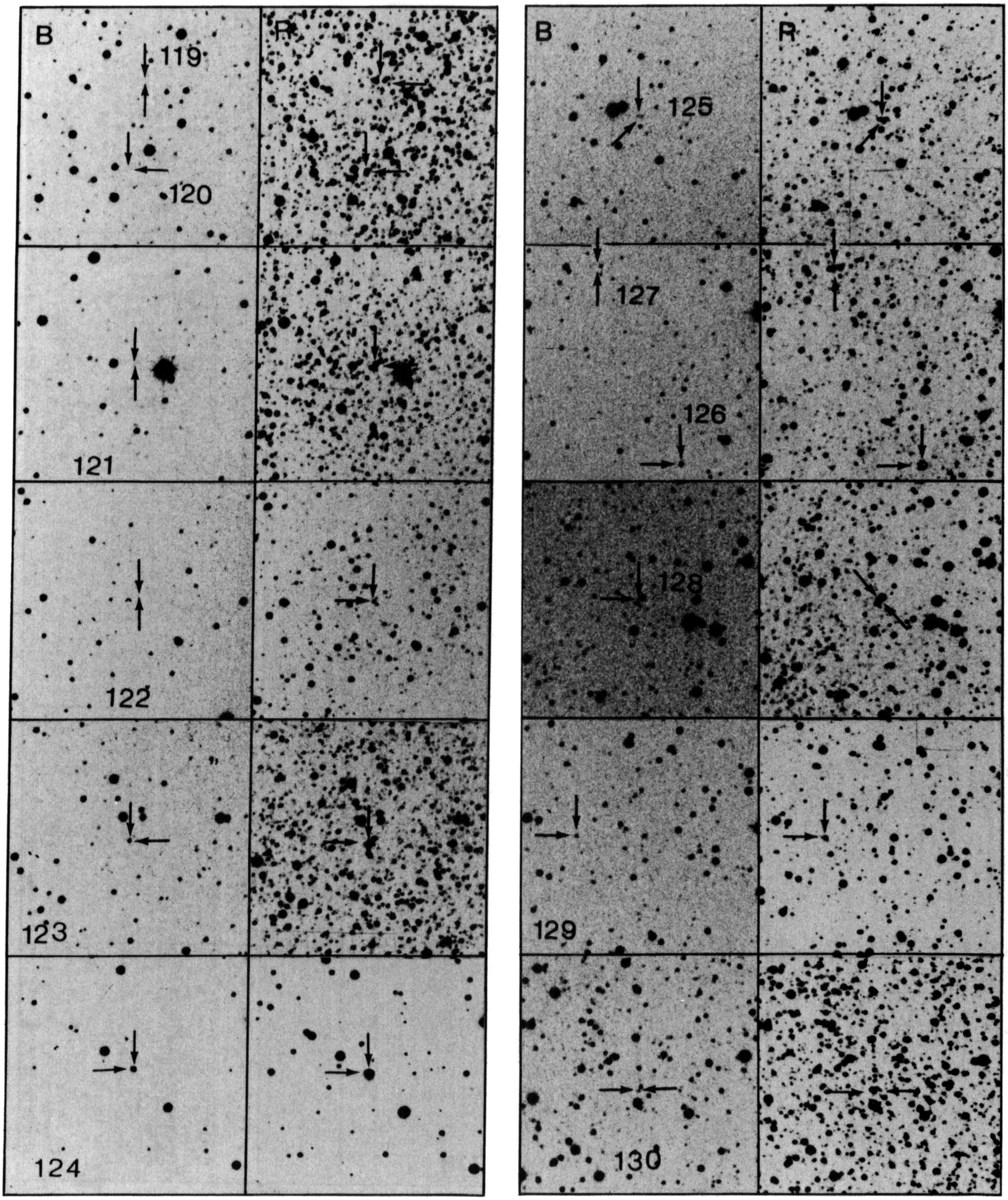


PLATE 21.

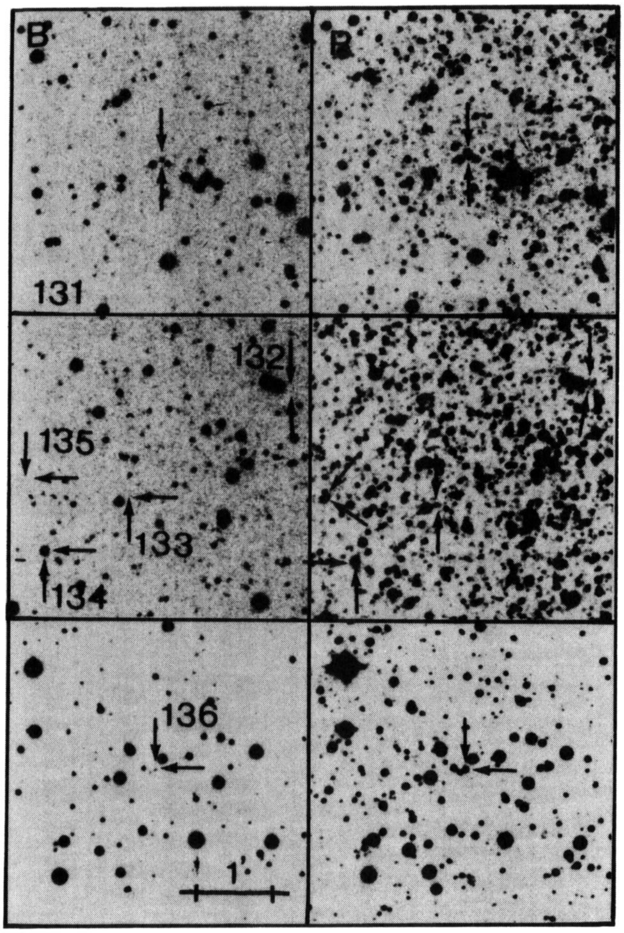


PLATE 22.