

NEAR-INFRARED SOURCE COUNTS
IN THE GALACTIC PLANE
II. A LIST OF NEAR-INFRARED SOURCES

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ABSTRACT

Results on near-infrared source counts are presented as a list of positions and magnitudes of sources observed in 17 selected areas sampled along the galactic plane between $l=349^\circ$ and $l=45^\circ$. The total scanned area was 12 square degrees, and 1,989 sources brighter than 6.5 mag in the K -band are listed. They are also graphically presented in $(\alpha, \delta) - (l, b)$ maps classifying the magnitudes and the colors of the sources.

I. Introduction

From the results of the brightness mapping of the galactic plane at 2.4- μm made by a series of experiments with balloon-borne telescopes,^{1),2),3)} it was found that bright infrared sources are distributed in the inner region of the Galaxy, concentrating at a galactocentric distance of about 5 kpc. The characteristics of the distribution suggested that luminous late-type stars, mostly M-supergiants, are responsible for the concentration.^{1),2),3)} The intrinsic nature of the sources, however, can hardly be inferred only from an integrated brightness observation with relatively poor spatial resolution.

The objective of the source counts is to resolve the brightness into individual sources and identify the sources with types of stars.

The observations were performed between 1978 and 1979, using a specially designed multi-color photometer. They were done for 17 areas sampled along the galactic plane between $l=349^\circ$ and $l=45^\circ$. A preliminary report and some qualitative discussions have been given in the paper by Kawara et al.⁴⁾

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(hereafter called paper I). The purpose of this paper is to list the basic source data and to give maps of the observed sources to assist in further studies of these sources. The implications of the results in terms of stellar population and distribution in the Galaxy will be discussed elsewhere in detail.

II. Observations

Near-infrared source counts have been done with a multi-color photometer at four wavelengths, namely I ($\lambda_0 = 0.82 \mu\text{m}$; $\Delta\lambda = 0.24 \mu\text{m}$), H ($\lambda_0 = 1.61 \mu\text{m}$; $\Delta\lambda = 0.26 \mu\text{m}$), K ($\lambda_0 = 2.21 \mu\text{m}$; $\Delta\lambda = 0.38 \mu\text{m}$), and L ($\lambda_0 = 3.58 \mu\text{m}$; $\Delta\lambda = 0.62 \mu\text{m}$). The multi-color photometer incorporates three InSb-detectors for the H -, K -, and L -bands and a Si-photodiode for the I -band. The InSb-detectors were cooled down to solid-nitrogen temperature, while the Si-photodiode was operated at ambient temperature. A detailed description of the detection system is given in paper I.

The scanned areas were 17 narrow strips distributed along the galactic plane between $l = 349^\circ$ and $l = 45^\circ$. Seven fields between $l = 26^\circ$ and $l = 45^\circ$ were scanned with the 1-m telescope at the Agematsu Infrared Observatory (AIRO) of Kyoto University in 1978 and 1979 with the chopping direction in right ascension, while ten fields between $l = 349^\circ$ and $l = 24^\circ$ were scanned with the 61-cm telescope of the Mauna Kea Observatory (MKO) of University of Hawaii in 1979 with the chopping direction in declination. The beam separation was between $60''$ and $90''$, and the chopping frequency was about 10 Hz. A circular beam of $60''$ -diameter was used in the early observations, but it was subsequently switched to a rectangular beam of $60''$ (δ) \times $20''$ (α) for the high source-density regions near the galactic center. A sidereal drift scan was adopted with steps of $30''$ in declination, so that most of sources should be detected twice. A journal and conditions of the observations are given in Table 1.

The positions of the starting points of each scan were determined by offsetting the telescope from a nearby visible star selected from the *Smithsonian Astrophysical Observatory Star Catalogue*.⁹⁾ A time reference was recorded every two minutes together with the signals from the detectors and was used to calibrate the relative position of the sources. In order to correct for atmospheric extinction, flux calibration was performed by observing two or three stars near the scanned field every one or two hours. The original data were recorded on strip charts as well as on magnetic tapes after conversion into digital form. The signals in the observations between $l = 26^\circ$ and $l = 45^\circ$ were measured from the strip chart, and were digitized for subsequent data reduction with computers, while the signals in the observations between $l = 349^\circ$ and $l = 24^\circ$ were recorded on tapes and processed with computers.

The signals observed in adjacent scans were in general counted as a signal source if they coincided within 2.5 or less in right ascension. Although the beam size was $60''$ -diameter or $60'' \times 20''$, we can resolve two sources which

Table 1. Journal and conditions of the observations.

Field <i>l</i> (<i>b</i> =0)	Dates of observation		Beam size	Telescope
349°	July	1979	60"φ*	61 cm (MKO)
354°	August	1979	60"×20"	61 cm (MKO)
354.5°	July	1979	60"φ	61 cm (MKO)
			60"×20"	61 cm (MKO)
356°	August	1979	60"×20"	61 cm (MKO)
359°	August	1979	60"×20"	61 cm (MKO)
0°	July	1979	60"φ	61 cm (MKO)
			60"×20"	61 cm (MKO)
6°	August	1979	60"×20"	61 cm (MKO)
10.5°	August	1979	60"×20"	61 cm (MKO)
21.5°	July	1979	60"φ	61 cm (MKO)
	August	1979	60"×20"	61 cm (MKO)
24°	July	1979	60"×20"	61 cm (MKO)
26°	May	1978	60"φ	100 cm (AIRO)
	October	1978	60"φ	100 cm (AIRO)
27°	May	1978	60"φ	100 cm (AIRO)
	September	1978	60"φ	100 cm (AIRO)
	October	1978	60"φ	100 cm (AIRO)
28°	May	1979	60"φ	100 cm (AIRO)
30°	May	1979	60"φ	100 cm (AIRO)
35°	May	1979	60"φ	100 cm (AIRO)
40°	March	1979	60"φ	100 cm (AIRO)
	May	1979	60"φ	100 cm (AIRO)
45°	October	1979	60"φ	100 cm (AIRO)
	November	1979	60"φ	100 cm (AIRO)

* φ denotes the angular diameter of the beam.

are separated by 40" from each other by inspecting the signal profiles. The probability of miscounting two sources with the limiting magnitude of *K*=6.5 mag as a single source is about 3%, even in the most crowded field near the galactic center, where the surface number density amounts up to 300 sources per square degree.

Very near the galactic center, another difficulty arises in the source counting, since the fluctuations in very intense extended emission near the galactic center⁹⁾ will appear as spurious sources. But even in the worst case, only 6 of 37 sources with *K*≤6.5 mag, located within 0.2 from the galactic center, would be spurious sources.

The minimum detectable signal in the *K*-band ranges between 7.3 mag and 8.5 mag, depending on the telescope size and the detector sensitivity. The *H*-band sensitivity is slightly better, i.e., between 7.3 mag and 9.0 mag. The minimum detectable signal in the *I*- and *L*-bands are 9–10 mag and 2.5–4.0 mag respectively. In the observation between *l*=26° and *l*=45°, a large noise background sometimes was detected in the *I*-band, and hence the source counts in the *I*-band are somewhat incomplete. The magnitudes of the sources listed in this paper are brighter than *I*=8.7 mag, *H*=6.5 mag, *K*=6.5 mag, and *L*=2.3 mag, and these are much brighter than detection limits.

III. Results

The total scanned area is 12 square degrees in which 1,989 sources with

$K \leq 6.5$ mag were detected.

(a) **Distribution of the Sources**

The sources with $K \leq 6.5$ mag are plotted in Figure 1, with both equatorial coordinates (epoch 1950) and galactic coordinates. The area covered by the scan are enclosed by thick lines. In the figures, the sources are plotted separately for different colors defined by $H-K$, namely $H-K < 0.6$ mag, $0.6 \text{ mag} \leq H-K < 0.9$ mag, $0.9 \text{ mag} \leq H-K$, and for unclassified sources. Sources whose H -magnitudes are fainter than the limiting magnitude of $H = 6.5$ mag, are called unclassified, since their $H-K$ colors cannot be defined.

(b) **List of the Sources**

Positions of the 1,989 sources with $K \leq 6.5$ mag are tabulated in table 2. In addition, the magnitudes in the I -, H -, K -, and L -bands are given for magnitudes brighter than 8.7(I), 6.5(H), 6.5(K), and 2.3(L) respectively.

Explanation of the Columns

1) **Columns 1 and 2—Galactic Coordinates (l, b)**

The galactic longitude and latitude are given in the (l, b) system. The sources are arranged in ascending order in right ascension, separately for the 17 fields from $l = 349^\circ$ to $l = 45^\circ$.

2) **Columns 3 and 4—Equatorial Coordinates (α, δ)**

The right ascension and declination for epoch 1950 are given. In all fields except for $l = 45^\circ$, the absolute positions of the sources were calibrated by the M-giant stars sampled from the Schmidt plates taken at Kiso Station of Tokyo Astronomical Observatory⁷⁾ and at Bosscha Observatory of Institute Technology Bandung.^{8),9)} The rms position errors, thus estimated, range from 15" to 20" in both declination and right ascension, after correcting for systematic errors.

3) **Columns 5 to 8—Magnitudes (I, H, K, L)**

The magnitudes in the I -, H -, K -, and L -bands are given. The fluxes for a zero-magnitude star are defined as:

$$I \quad (0.82 \mu\text{m}) = 1.08 \times 10^{-12} \text{ W cm}^{-2} \mu\text{m}^{-1},$$

$$H \quad (1.61 \mu\text{m}) = 1.20 \times 10^{-13} \text{ W cm}^{-2} \mu\text{m}^{-1},$$

$$K \quad (2.21 \mu\text{m}) = 3.8 \times 10^{-14} \text{ W cm}^{-2} \mu\text{m}^{-1},$$

$$L \quad (3.58 \mu\text{m}) = 6.8 \times 10^{-15} \text{ W cm}^{-2} \mu\text{m}^{-1}.$$

In order to check the accuracy of the photometry, we examined 22 sources sampled from the field of $l = 27^\circ$ by using the 1-m telescope at AIRO on March 1979. These sources have H - and K -magnitudes between 5.0 mag and 6.8 mag. The rms deviation of the survey values from the photometric results

is 0.2 mag in the K -band, and 0.3 mag in the H -band. As for the six bright sources commonly observed in the *Two-Micron Sky Survey*,¹⁰ the rms deviation of the present results from those in the *Two-Micron Sky Survey* is 0.1 mag.

In the survey at $l=45^\circ$, the signal output was saturated at the level of $K=3.9$ mag and $H=4.1$ mag, so that the magnitudes of 6 sources with $K\leq 3.9$ mag and $H\leq 4.1$ mag could not be determined.

4) Column 9— $H-K$ Colors

For the sources with $H\leq 6.5$ mag, the $H-K$ colors are given in this column.

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Table 2. Source list

FIELD CENTER LII=349.0 BII=0.0										FIELD CENTER LII=354.0 BII=0.0									
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	L	LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	L
347.61	1.82	17 1 30.7	-38 6 32	8.6	6.4	6.2		0.2		353.31	1.35	17 20 0.1	-33 46 38	6.9	5.5	5.3		0.2	
347.66	1.73	17 2 3.4	-38 7 3							353.48	1.05	17 21 41.4	-33 49 12		6.3	5.3		1.0	
347.67	1.71	17 2 6.9	-38 7 23							353.51	1.05	17 21 44.3	-33 47 12		6.5	5.8		0.7	
347.83	1.55	17 3 19.6	-38 5 36							353.45	0.99	17 21 47.8	-33 52 12		6.1	6.1			
347.89	1.42	17 3 58.6	-38 7 37							353.59	0.91	17 22 32.3	-33 47 44	8.5					
347.94	1.44	17 4 5.3	-38 4 37	7.8	5.8	5.6		0.2		353.59	0.81	17 22 54.5	-33 51 15			6.3			
347.97	1.34	17 4 32.6	-38 6 38							353.47	0.86	17 22 55.0	-33 45 15		6.4	5.6			0.8
348.13	1.09	17 6 4.5	-38 7 42							353.67	0.72	17 23 27.6	-33 50 16			6.2			
348.25	0.94	17 7 2.6	-38 7 44							353.81	0.69	17 23 58.9	-33 44 17			5.5			
348.57	0.54	17 9 38.1	-38 6 19							353.72	0.59	17 24 6.7	-33 52 17			5.8			
348.57	0.50	17 9 47.5	-38 7 49							353.73	0.52	17 24 25.9	-33 53 48			5.6			
348.67	0.39	17 10 35.8	-38 6 51							353.86	0.51	17 24 50.0	-33 47 49			6.3			
348.74	0.27	17 11 17.2	-38 7 53	8.6	5.9	5.0		0.9		353.90	0.44	17 25 14.8	-33 45 20			6.3			
348.78	0.23	17 11 32.3	-38 7 23							353.83	0.45	17 25 15.0	-33 46 20			6.5			
348.85	0.16	17 12 2.4	-38 6 24							353.88	0.40	17 25 19.5	-33 50 50			6.2			
348.96	0.01	17 12 58.6	-38 6 26							353.89	0.40	17 25 21.0	-33 50 20			6.4			
348.98	-0.02	17 13 12.2	-38 6 27							353.83	0.40	17 25 27.2	-33 47 50			5.3			0.9
348.97	-0.06	17 13 19.5	-38 7 57							353.90	0.30	17 25 27.8	-33 52 51			6.4			
349.03	-0.05	17 13 28.4	-38 4 57							354.00	0.29	17 26 8.7	-33 48 22			5.7	4.4		1.3
349.06	-0.09	17 13 42.5	-38 4 58							354.06	0.26	17 26 20.2	-33 48 22			6.0			
349.09	-0.13	17 13 57.4	-38 4 58							354.04	0.23	17 26 27.3	-33 48 22			6.3	4.5		1.8
349.11	-0.17	17 14 10.7	-38 4 59							354.15	0.19	17 27 59.9	-33 45 24			6.4	5.4		0.8
349.09	-0.18	17 14 10.9	-38 6 29							354.13	0.13	17 27 59.9	-33 50 54			6.5	6.3		0.2
349.09	-0.19	17 14 13.8	-38 6 59							354.19	0.06	17 27 17.2	-33 50 54			6.5	6.3		0.2
349.09	-0.21	17 14 17.1	-38 7 29							354.19	0.09	17 27 24.7	-33 45 25			6.4			
349.13	-0.22	17 14 26.1	-38 5 59							354.08	0.01	17 27 25.8	-33 53 55			6.1	5.5		0.6
349.15	-0.26	17 14 39.6	-38 6 30	6.9						354.19	0.05	17 27 31.6	-33 45 22			6.4			
349.21	-0.38	17 15 19.8	-38 7 31							354.16	0.05	17 27 31.6	-33 49 23			5.6			
349.27	-0.39	17 15 35.2	-38 5 2							354.13	-0.03	17 27 32.1	-33 49 23			5.9			
349.32	-0.55	17 16 23.3	-38 8 4							354.13	-0.04	17 27 48.8	-33 51 55			5.9	5.4		0.5
349.39	-0.58	17 16 42.1	-38 6 4							354.13	-0.06	17 27 59.3	-33 50 56			6.5			
349.47	-0.69	17 17 24.7	-38 5 36							354.17	-0.10	17 28 4.6	-33 52 26			5.7			
349.50	-0.75	17 17 44.5	-38 6 36							354.13	-0.10	17 28 14.3	-33 49 26			6.4	5.9		0.5
349.54	-0.82	17 18 7.5	-38 6 37							354.29	-0.10	17 28 24.6	-33 46 37			6.4			
349.71	-1.05	17 19 36.0	-38 6 10	8.4	5.8	5.3		0.5		354.24	-0.12	17 28 44.0	-33 52 57			6.5			
349.70	-1.09	17 19 42.7	-38 8 11							354.24	-0.24	17 28 50.5	-33 53 57	8.6	5.4	4.9			0.5
349.88	-1.29	17 21 4.5	-38 6 14							354.33	-0.21	17 29 2.7	-33 47 28			6.3	5.6		0.7
349.88	-1.35	17 21 22.0	-38 8 14							354.29	-0.26	17 29 3.4	-33 51 58			6.4	5.6		0.5
349.93	-1.41	17 21 43.6	-38 7 45							354.41	-0.24	17 29 19.0	-33 45 29	5.8	3.6	3.5			0.1
349.97	-1.41	17 21 51.1	-38 5 45							354.36	-0.29	17 29 23.7	-33 49 29			5.5	4.7		0.8
350.07	-1.61	17 22 59.5	-38 7 48	8.2	4.1	3.4		0.7		354.36	-0.34	17 29 33.7	-33 51 29			6.3			
350.22	-1.80	17 24 11.7	-38 6 20							354.41	-0.32	17 29 36.7	-33 47 59			5.8	5.3		0.5
										354.40	-0.34	17 29 39.4	-33 49 29			5.3	4.2		1.1
										354.34	-0.39	17 29 44.8	-33 53 60			5.3	6.0		
										354.44	-0.36	17 29 52.1	-33 48 0			6.5	6.5		

FIELD CENTER LII=354.5 BII=0.0									
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	L
354.10	0.66	17 24 51.7	-33 30 54						
354.07	0.56	17 25 11.6	-33 35 24		5.8			6.4	0.9
354.09	0.51	17 25 27.2	-33 36 25					6.4	
354.22	0.55	17 25 38.4	-33 28 25					6.0	
354.27	0.58	17 25 39.7	-33 24 55					6.1	
354.13	0.43	17 25 53.6	-33 37 26					6.1	
354.42	0.49	17 25 59.5	-33 28 56					5.7	
354.23	0.32	17 26 35.8	-33 35 57					5.7	
354.33	0.36	17 26 40.7	-33 29 28					5.4	
354.35	0.34	17 26 50.3	-33 28 58	7.8	3.3	2.6	2.0	0.7	
354.42	0.31	17 27 6.6	-33 26 59					6.3	
354.38	0.28	17 27 8.4	-33 29 29					5.1	
354.29	0.19	17 27 16.5	-33 37 29		6.4			5.6	0.8
354.42	0.24	17 27 23.3	-33 28 59					5.3	
354.41	0.22	17 27 27.9	-33 30 29					6.4	
354.36	0.20	17 27 30.0	-33 33 60	6.8	5.6	6.5		5.3	0.1
354.46	0.20	17 27 38.9	-33 28 30					6.3	
354.46	0.19	17 27 41.8	-33 28 30					6.3	
354.49	0.15	17 27 58.8	-33 28 31					5.6	
354.53	0.17	17 27 59.9	-33 26 0					5.3	
354.50	0.07	17 28 16.9	-33 30 31					5.8	
354.46	0.04	17 28 19.1	-33 34 1					5.9	
354.47	0.0	17 28 28.3	-33 34 32					6.5	
354.60	0.07	17 28 33.6	-33 25 32					6.2	
354.46	-0.03	17 28 35.0	-33 36 2	6.3	5.5			5.5	0.8
354.46	-0.03	17 28 36.7	-33 36 2					6.3	
354.59	0.05	17 28 38.3	-33 27 2	7.8	4.1	3.7		6.0	0.4
354.60	0.03	17 28 44.0	-33 27 2					6.5	0.5
354.58	-0.07	17 29 4.6	-33 31 3					5.6	0.9
354.56	-0.11	17 29 10.0	-33 33 33					6.3	
354.64	-0.09	17 29 18.3	-33 29 3					6.2	
354.68	-0.06	17 29 19.4	-33 26 3					6.0	0.4
354.71	-0.08	17 29 26.3	-33 25 4					6.0	0.3
354.61	-0.18	17 29 35.1	-33 33 34					6.5	0.8
354.70	-0.17	17 29 48.4	-33 28 34					6.2	
354.59	-0.25	17 29 49.0	-33 36 34	8.1	6.3	5.9		5.9	0.4
354.69	-0.23	17 29 59.5	-33 31 5					6.1	
354.62	-0.20	17 30 1.9	-33 36 5					6.0	0.3
354.75	-0.20	17 30 3.0	-33 27 5					5.5	0.6
354.75	-0.24	17 30 11.4	-33 28 5					4.9	
354.78	-0.22	17 30 12.2	-33 26 35					6.2	
354.72	-0.27	17 30 13.1	-33 31 5					6.2	
354.69	-0.31	17 30 19.1	-33 33 36					6.1	0.5
354.64	-0.35	17 30 22.4	-33 37 36					6.5	0.9
354.74	-0.30	17 30 23.5	-33 31 6					6.4	0.8
354.15	0.73	17 24 43.4	-33 26 23					5.7	0.5
353.92	0.80	17 23 50.3	-33 34 52					6.2	
354.07	0.88	17 23 56.1	-33 24 52					5.7	
353.97	0.71	17 24 18.9	-33 35 53					6.4	0.2
354.01	0.65	17 24 40.0	-33 35 53					6.0	
354.15	0.73	17 24 43.4	-33 26 23					5.7	0.5

LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K
354.69	-0.36	17 30 30.6	-33 35 6			6.3			355.14	-1.02	17 34 22.6	-33 34 14		5.4	5.1		0.3
354.70	-0.40	17 30 32.5	-33 28 36			5.8			355.23	-0.98	17 34 26.3	-33 28 45	8.5	6.1	5.2		0.9
354.77	-0.40	17 30 36.1	-33 37 36		5.6	6.4	0.6		355.12	-1.09	17 34 34.5	-33 37 45		6.5	5.9		0.6
354.81	-0.31	17 30 40.2	-33 27 36			6.4			355.26	-1.00	17 34 35.6	-33 27 45	7.7	5.9	5.4		0.5
354.76	-0.37	17 30 43.5	-33 32 6		5.4	4.7	0.7		355.23	-1.02	17 34 37.2	-33 29 45		5.8	4.9		0.9
354.77	-0.38	17 30 48.9	-33 32 7	7.4	4.9	4.5	0.4		355.27	-1.01	17 34 38.4	-33 27 15	7.4	5.8	5.6		0.2
354.70	-0.44	17 30 52.8	-33 37 37			6.3			355.30	-1.11	17 34 45.4	-33 25 45		6.0	6.0		0.7
354.83	-0.38	17 30 56.9	-33 29 7		6.5	5.7	0.8		355.30	-1.14	17 35 14.9	-33 30 16		6.4	5.7		0.7
354.89	-0.34	17 31 2.5	-33 25 7			6.0			355.31	-1.15	17 35 19.9	-33 30 17		6.4	6.3		0.4
354.75	-0.45	17 31 3.0	-33 35 7			5.9			355.38	-1.15	17 35 30.5	-33 26 17		6.4	6.0		0.4
354.89	-0.48	17 31 32.2	-33 29 8			6.5			355.28	-1.28	17 35 45.8	-33 35 47		6.1	6.1		0.3
354.93	-0.51	17 31 46.0	-33 28 39	8.6		6.4			355.33	-1.25	17 35 46.9	-33 32 17	8.6	6.4	6.4		0.1
354.85	-0.60	17 31 53.3	-33 35 9			6.5			355.32	-1.28	17 35 52.2	-33 33 18		6.5	6.4		0.1
354.86	-0.61	17 31 59.5	-33 35 9			6.2			355.40	-1.21	17 35 54.5	-33 25 18		5.8	5.8		0.5
354.94	-0.59	17 32 6.8	-33 30 10			6.2			355.44	-1.27	17 36 9.6	-33 25 18		5.8	5.3		0.5
354.85	-0.65	17 32 7.7	-33 36 39	4.6	1.8	1.4	1.1	0.4	355.32	-1.36	17 36 11.2	-33 36 18	7.1	6.3	6.0		0.3
355.01	-0.58	17 32 10.5	-33 25 40		6.1	5.5		0.4	355.42	-1.30	17 36 13.8	-33 29 18		6.5	6.4		0.1
354.94	-0.68	17 32 26.7	-33 33 10		6.3	5.6		0.7	355.40	-1.37	17 36 27.8	-33 32 19		6.5	6.4		0.8
355.01	-0.70	17 32 29.7	-33 28 40		6.0	4.8		1.2	355.48	-1.32	17 36 28.3	-33 26 49		5.8	5.3		0.5
354.94	-0.72	17 32 36.1	-33 34 41			6.5			355.50	-1.35	17 36 31.7	-33 26 19		5.8	6.4		0.4
355.04	-0.69	17 32 47.3	-33 28 41	8.6	6.6	5.5		0.9	355.41	-1.40	17 36 35.1	-33 32 49	7.5	4.7	4.3		0.4
355.02	-0.71	17 32 47.3	-33 30 11		5.9	5.0		0.9	355.52	-1.34	17 36 36.6	-33 25 19		6.1	6.1		0.3
354.95	-0.75	17 32 47.5	-33 35 11			6.0			355.49	-1.44	17 36 58.5	-33 30 20		5.7	4.1		0.8
355.06	-0.70	17 32 51.3	-33 27 41	4.3	1.5	1.0	0.1	0.5	355.58	-1.51	17 36 58.8	-33 37 50	8.1	5.5	5.1		0.4
355.07	-0.71	17 32 53.1	-33 27 41	5.8	3.7	3.3		0.4	355.67	-1.50	17 37 9.0	-33 32 50		6.4	6.2		0.4
355.01	-0.80	17 33 6.9	-33 33 42		5.8	5.4		0.4	355.64	-1.51	17 37 34.5	-33 25 51		6.4	6.3		0.8
355.00	-0.75	17 33 8.0	-33 27 42	7.9	6.2	5.9		0.3	355.72	-1.59	17 37 42.8	-33 22 22		6.4	5.6		0.8
355.05	-0.78	17 33 8.9	-33 31 12	8.0	5.2	5.0		0.5	355.63	-1.59	17 37 53.4	-33 27 52		7.9	4.9	4.6	0.3
355.05	-0.81	17 33 13.5	-33 32 12	8.6	3.8	3.1		0.7	355.68	-1.65	17 38 17.1	-33 27 23		6.4	6.3		0.1
355.07	-0.79	17 33 16.5	-33 30 12		6.4	5.6		0.8	355.69	-1.71	17 38 32.7	-33 28 53		4.5	2.9	2.6	0.3
355.02	-0.84	17 33 18.9	-33 34 12			6.1			355.70	-1.73	17 38 40.0	-33 28 54		6.5	6.5		0.7
355.09	-0.82	17 33 26.9	-33 30 12		6.5	5.8		0.7	355.74	-1.70	17 38 40.4	-33 25 54		5.8	5.1		0.3
355.00	-0.88	17 33 27.0	-33 36 42		6.1	5.8		0.3	355.71	-1.77	17 38 56.5	-33 30 24		5.7	5.4		0.5
355.14	-0.83	17 33 40.9	-33 28 43			6.3			355.76	-1.79	17 39 0.1	-33 26 54		5.3	4.8		0.5
355.17	-0.84	17 33 42.6	-33 26 43			6.4			355.68	-1.85	17 39 6.5	-33 33 55		6.5	6.5		0.4
355.17	-0.87	17 33 48.8	-33 27 43			6.1			355.64	-1.91	17 39 15.9	-33 37 55		6.3	5.7		0.6
355.21	-0.88	17 33 56.9	-33 26 13			6.2			355.72	-1.93	17 39 31.7	-33 34 26		6.3	5.9		0.4
355.18	-0.90	17 33 58.3	-33 28 13			6.2			355.72	-1.94	17 39 36.1	-33 34 26		6.5	6.2		0.6
355.09	-0.96	17 34 0.1	-33 34 44			6.1			355.86	-1.89	17 39 43.0	-33 25 56		6.5	6.1		0.4
355.10	-0.97	17 34 3.0	-33 34 44			6.5			355.78	-2.04	17 40 9.4	-33 34 27		6.5	6.1		0.4
355.06	-1.01	17 34 7.2	-33 37 44	5.8	5.3			0.5	355.86	-2.00	17 40 10.2	-33 28 57		5.1	4.4		0.7
355.17	-0.94	17 34 8.5	-33 30 14			6.1			355.75	-2.09	17 40 16.6	-33 37 57		5.8	5.0		0.8
355.18	-0.98	17 34 16.9	-33 31 14			6.5			355.95	-2.05	17 40 35.9	-33 25 58		6.4	6.4		0.2
355.21	-0.96	17 34 19.2	-33 28 44			6.4			355.91	-2.11	17 40 44.5	-33 30 28		6.2	6.2		0.4
355.15	-1.01	17 34 19.8	-33 33 44			6.2			355.94	-2.15	17 40 58.2	-33 29 59		6.3	6.3		0.2

FIELD CENTER LII=359.0 BII=0.0											
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	L	K	H-K
357.33	2.78	17 25 5.5	-29 39 24	6.3	5.6	6.4	0.7	0.7			
357.33	2.69	17 25 25.2	-29 42 25								
357.36	2.71	17 25 26.6	-29 39 55								
357.39	2.73	17 25 28.3	-29 37 55	8.4	6.4	6.4	0.0	0.0			
357.42	2.68	17 25 43.0	-29 38 26								
357.46	2.61	17 26 5.2	-29 38 26		6.1	6.1	0.3	0.3			
357.54	2.54	17 26 33.5	-29 36 58	8.2	6.4	6.2	0.5	0.5			
357.49	2.49	17 26 37.8	-29 40 58								
357.57	2.42	17 27 5.3	-29 39 29	5.9	5.4	6.4	0.5	0.5			
357.78	2.29	17 27 45.3	-29 40 0								
357.72	2.26	17 28 4.0	-29 37 1	8.4	4.9	4.6	0.3	0.3			
357.73	2.25	17 28 7.2	-29 37 1								
357.68	2.16	17 28 21.7	-29 42 31	8.5	5.3	4.7	0.6	0.6			
357.81	2.13	17 28 47.2	-29 37 2								
357.78	2.09	17 28 52.8	-29 39 32								
357.78	2.07	17 28 57.4	-29 40 3								
357.80	2.03	17 29 8.9	-29 40 33	6.2	5.9	6.2	0.3	0.3			
357.90	1.94	17 29 45.9	-29 38 34								
357.94	1.94	17 29 52.0	-29 37 5	6.6	5.9	6.2	-0.3	-0.3			
357.92	1.88	17 30 1.9	-29 39 35								
357.96	1.83	17 30 19.9	-29 39 36								
357.99	1.81	17 30 27.9	-29 38 36	7.1	4.8	4.6	0.2	0.2			
358.02	1.74	17 30 50.6	-29 39 7	8.2	4.4	3.7	0.7	0.7			
357.98	1.70	17 30 53.4	-29 42 37								
358.02	1.73	17 30 54.3	-29 39 37								
358.06	1.66	17 31 14.5	-29 40 8								
358.08	1.66	17 31 18.3	-29 38 38								
358.11	1.63	17 31 30.0	-29 38 8								
358.15	1.58	17 31 46.7	-29 38 9	6.5	6.0	6.4	0.7	0.7			
358.17	1.54	17 31 59.4	-29 38 9								
358.15	1.51	17 32 3.3	-29 40 9								
358.19	1.52	17 32 6.2	-29 38 10								
358.14	1.49	17 32 6.2	-29 41 39								
358.21	1.48	17 32 18.4	-29 38 10								
358.17	1.45	17 32 18.8	-29 41 10	8.4	5.5	5.0	0.5	0.5			
358.21	1.41	17 32 35.5	-29 40 40								
358.19	1.38	17 32 38.1	-29 42 41								
358.27	1.42	17 32 41.8	-29 37 11								
358.25	1.38	17 32 48.6	-29 39 41								
358.29	1.39	17 32 52.3	-29 37 11								
358.33	1.27	17 33 26.6	-29 39 12								
358.39	1.22	17 33 31.8	-29 42 43								
358.36	1.24	17 33 37.6	-29 38 13	7.9	5.9	5.7	0.2	0.2			
358.35	1.15	17 33 57.3	-29 41 43	8.5	6.3	6.0	0.3	0.3			
358.42	1.19	17 33 58.3	-29 37 14								
358.35	1.13	17 34 2.5	-29 42 44	7.8	6.3	5.9	0.4	0.4			
358.38	1.13	17 34 5.2	-29 41 14								
358.44	1.15	17 34 9.4	-29 37 14								
358.41	1.11	17 34 14.8	-29 40 14								
358.43	1.10	17 34 19.3	-29 39 44								
358.40	1.04	17 34 29.2	-29 42 45								
358.43	1.04	17 34 33.7	-29 41 45								
358.42	1.01	17 34 38.9	-29 42 45								
358.49	0.99	17 34 55.3	-29 40 16								
358.51	0.96	17 35 4.7	-29 40 16								
358.53	0.93	17 35 15.5	-29 39 46								
358.57	0.89	17 35 29.5	-29 39 17								
358.43	0.74	17 36 13.8	-29 40 48	5.4	4.6	6.4	0.8	0.8			
358.71	0.74	17 36 25.5	-29 37 19								
358.70	0.71	17 36 31.4	-29 38 19								
358.75	0.67	17 36 46.7	-29 37 20	8.6	5.1	4.6	0.5	0.5			
358.72	0.63	17 36 51.9	-29 39 50								
358.73	0.58	17 37 5.2	-29 40 50								
358.73	0.52	17 37 19.1	-29 42 51								
358.80	0.50	17 37 35.0	-29 39 51								
358.81	0.48	17 37 41.4	-29 40 22								
358.88	0.46	17 37 55.3	-29 37 22								
358.89	0.41	17 38 9.6	-29 38 23	6.2	5.6	6.0	0.6	0.6			
358.91	0.35	17 38 27.0	-29 39 23								
358.90	0.32	17 38 32.6	-29 40 53								
358.98	0.31	17 38 45.6	-29 37 24								
359.02	0.20	17 39 17.1	-29 38 25								
358.98	0.17	17 39 17.8	-29 41 25								
359.00	0.17	17 39 36.5	-29 42 56								
359.08	0.14	17 39 39.4	-29 37 26								
359.05	0.11	17 39 42.7	-29 39 56								
359.02	-0.01	17 40 15.2	-29 42 57								
359.02	-0.06	17 40 35.2	-29 41 58	6.5	6.5	6.1	0.4	0.4			
359.15	-0.09	17 40 35.9	-29 39 58								
359.19	-0.11	17 40 55.0	-29 39 59								
359.20	-0.15	17 41 5.0	-29 40 29								
359.29	-0.13	17 41 8.9	-29 37 29								
359.23	-0.10	17 41 21.2	-29 40 31								
359.27	-0.12	17 42 5.1	-29 43 1								
359.27	-0.13	17 42 5.4	-29 43 1								
359.36	-0.35	17 42 17.5	-29 38 32								
359.40	-0.37	17 42 26.1	-29 37 32	5.8	5.8	5.5	0.9	0.9			
359.34	-0.43	17 42 36.9	-29 37 3								
359.41	-0.44	17 42 44.3	-29 39 3	8.0	6.8	7.5	0.3	0.3			
359.42	-0.51	17 43 2.8	-29 40 33	7.6	5.4	5.1	0.3	0.3			

FIELD CENTER LII=0.0 BII=0.0									
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	H-K
357.99	3.14	17 25 24.3	-28 54 20	8.0	6.2	6.0	0.2	0.2	
357.84	3.03	17 25 29.7	-28 54 19		4.4	4.3	0.1		
357.90	3.07	17 25 29.7	-28 54 20	6.4	4.4	4.3	0.1		
357.98	3.03	17 25 28.6	-28 58 21			6.3			
357.85	2.92	17 25 50.1	-28 59 20			6.4			
358.05	3.05	17 25 54.2	-28 54 21			6.1			
357.87	2.91	17 25 57.7	-28 57 50		5.0	4.5	0.5		
358.01	3.08	17 26 5.6	-28 58 21			6.5			
358.00	3.00	17 26 19.7	-28 54 22			6.3			
358.05	2.97	17 26 12.7	-28 56 52			6.3			
358.01	2.90	17 26 21.8	-28 1 22			6.1			
358.15	2.93	17 26 23.9	-28 5 22			6.0			
358.17	2.77	17 26 46.2	-28 57 23			6.9			
358.12	2.86	17 26 49.2	-28 57 23			6.3			
358.15	2.86	17 26 52.6	-28 55 55			6.4			
358.03	2.74	17 27 1.8	-28 5 54			6.1			
358.06	2.75	17 27 4.8	-28 5 53			6.5			
358.21	2.84	17 27 7.8	-28 55 54			6.3			
358.19	2.77	17 27 12.2	-28 10 24	8.1	6.1	6.2	-0.1		
358.17	2.78	17 27 13.4	-28 57 24			6.4			
358.01	2.65	17 27 25.0	-28 10 24			6.2			
358.23	2.77	17 27 26.3	-28 54 34	8.2		6.4			
358.16	2.68	17 27 35.1	-28 0 34			6.5			
358.06	2.60	17 27 38.1	-28 8 55	7.2	4.0	3.6	0.4		
358.27	2.72	17 27 43.9	-28 54 25			6.2			
358.14	2.54	17 28 4.1	-28 6 55			6.0			
358.14	2.52	17 28 9.0	-28 7 55			6.1			
358.38	2.55	17 28 37.5	-28 54 27			6.3			
358.24	2.59	17 28 54.4	-28 6 57			6.0			
358.39	2.47	17 28 57.4	-28 56 28			6.4			
358.22	2.35	17 29 0.1	-28 9 27	8.7		6.4			
358.37	2.36	17 29 20.3	-28 1 28			6.3			
358.44	2.38	17 29 26.9	-28 57 29			6.1			
358.42	2.29	17 29 45.2	-28 0 58			6.2			
358.32	2.19	17 29 52.0	-28 9 29			6.4			
358.45	2.27	17 29 52.5	-28 0 29			6.1			
358.39	2.23	17 29 53.8	-28 4 59	7.3	5.9	5.6	0.3		
358.51	2.28	17 29 59.7	-28 57 0			6.4			
358.49	2.25	17 30 3.6	-28 58 59			6.4			
358.52	2.25	17 30 8.1	-28 57 30			6.5			
358.56	2.20	17 30 26.0	-28 57 1			6.4			
358.45	2.10	17 30 31.8	-28 5 30			6.5			
358.48	2.06	17 30 45.8	-28 5 31			6.4			
358.61	2.15	17 30 45.8	-28 56 2			6.4			
358.46	1.99	17 30 59.4	-28 9 2			6.1			
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	H-K
358.53	2.01	17 31 4.7	-28 4 31			5.8	5.3	0.5	
358.51	1.99	17 31 7.0	-28 6 31			5.9	5.2	0.7	
358.65	2.08	17 31 7.7	-28 56 32			6.2	5.7	0.5	
358.62	2.02	17 31 15.8	-28 59 32			6.3	6.3		
358.54	1.96	17 31 18.3	-28 6 3			6.3	5.9	0.4	
358.63	2.00	17 31 23.7	-28 0 2	8.5	4.1	3.7	2.2	0.8	
358.65	1.97	17 31 32.2	-28 0 2			5.2	5.3		
358.74	2.02	17 31 33.1	-28 54 3			6.5	6.5		
358.55	1.89	17 31 34.8	-28 7 33			6.5	6.0		
358.75	1.97	17 31 47.1	-28 55 4			6.3	6.0	0.3	
358.76	1.93	17 31 57.1	-28 55 34			5.9	5.4	0.5	
358.70	1.86	17 32 5.0	-28 1 3			6.2	5.4	0.8	
358.74	1.88	17 32 6.1	-28 58 34			5.8	5.3	0.5	
358.81	1.92	17 32 7.7	-28 53 35			6.1	6.1		
358.80	1.90	17 32 10.0	-28 54 35			5.9	5.3	0.6	
358.73	1.83	17 32 46.7	-28 0 34			4.8	4.4	0.4	
358.80	1.86	17 32 21.1	-28 56 5			4.5	4.2	0.3	
358.83	1.86	17 32 23.2	-28 54 35	6.8	6.8	6.3	6.2	0.1	
358.82	1.84	17 32 28.7	-28 55 35			6.3	6.2		
358.75	1.77	17 32 34.6	-28 1 35			5.9	5.3	0.6	
358.85	1.83	17 32 37.0	-28 53 36			4.8	4.4	0.4	
358.87	1.81	17 32 39.0	-28 55 6			4.5	4.2	0.3	
358.78	1.76	17 32 39.7	-28 0 35			6.3	6.2		
358.67	1.69	17 32 40.4	-28 8 5			6.1	5.9	0.5	
358.64	1.66	17 32 41.9	-28 10 36			6.4	6.4		
358.83	1.77	17 32 46.1	-28 57 36			6.1	6.1		
358.78	1.72	17 32 49.6	-28 1 36			6.3	6.3		
358.69	1.63	17 32 55.6	-28 9 6			6.2	6.2		
358.84	1.71	17 33 0.3	-28 59 5			6.1	5.9	0.5	
358.93	1.74	17 33 5.0	-28 53 37			6.3	6.3		
358.77	1.63	17 33 9.6	-28 5 6			6.1	5.8	0.3	
358.73	1.56	17 33 17.9	-28 0 7	8.5	8.5	6.4	6.4		
358.93	1.63	17 33 24.1	-28 56 7			6.3	6.3		
358.83	1.59	17 33 27.6	-28 3 37			5.8	5.2	0.6	
358.87	1.61	17 33 27.9	-28 0 37			6.4	6.4		
358.90	1.62	17 33 29.9	-28 58 37	8.1	8.1	6.1	6.0	0.1	
358.93	1.59	17 33 40.7	-28 58 38			6.2	6.2		
358.89	1.57	17 33 41.2	-28 1 7			6.1	6.1		
358.97	1.60	17 33 43.5	-28 51 8			6.4	6.4		
358.92	1.56	17 33 46.9	-28 59 37			6.5	6.5		
359.02	1.57	17 33 59.1	-28 54 39			6.1	6.1	0.9	
359.00	1.55	17 34 1.0	-28 54 9			4.6	3.7		
358.82	1.41	17 34 5.7	-28 9 38			4.6	3.8		
358.83	1.39	17 34 12.4	-28 9 38			6.4	6.4		
359.00	1.47	17 34 49.6	-28 58 39			6.2	6.2		

LIJ	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LIJ	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K
359-07	1.46	17 34 31.1	-28 55 40			6.3			359-52	0.45	17 39 31.2	-29 5 20			6.0		
359-10	1.41	17 34 48.2	-28 55 40			6.3			359-69	0.51	17 39 42.2	-28 54 51			6.2		
359-14	1.41	17 34 53.3	-28 55 41	8.3	4.9	4.4		0.5	359-65	0.48	17 39 45.0	-28 57 51	8.6	6.4	5.7		0.7
358-95	1.59	17 34 54.0	-29 7 9		6.3	5.5		0.8	359-55	0.47	17 39 51.2	-29 6 22		6.1	4.9		1.2
359-03	1.33	17 34 55.3	-29 1 41	8.6		6.3			359-72	0.40	17 40 12.6	-28 56 52			5.5		
359-10	1.37	17 34 56.9	-28 57 11			6.5			359-78	0.36	17 40 29.6	-28 54 53			6.1		
359-14	1.33	17 35 13.2	-28 56 11		5.7	5.2		0.5	359-74	0.32	17 40 34.3	-28 58 23		5.6	5.0		0.6
358-99	1.88	17 35 25.4	-29 8 41			6.1			359-62	0.22	17 40 41.0	-29 7 22			6.5		
359-19	1.82	17 35 44.4	-28 57 12			6.3			359-62	0.15	17 40 55.8	-29 9 24		6.3	4.9		1.4
359-14	1.19	17 35 46.4	-29 0 42			6.4			359-74	0.19	17 41 3.9	-29 2 24			6.4		
359-25	1.20	17 35 57.9	-28 54 43	8.1	6.5	6.0		0.5	359-73	0.18	17 41 6.5	-29 3 23	8.6	6.5	6.4		0.1
359-10	1.18	17 35 59.6	-28 57 13			6.3			359-76	0.17	17 41 12.5	-29 1 54			6.5		
359-06	1.06	17 36 4.1	-29 8 42			6.2			359-82	0.10	17 41 36.4	-29 0 54			6.3		
359-12	1.09	17 36 6.3	-29 5 42		5.9	5.2		0.7	359-87	0.08	17 41 49.8	-28 59 25			6.0		
359-05	1.02	17 36 10.6	-29 10 43			6.2			359-90	0.09	17 41 51.0	-28 57 26			5.9		
359-30	1.16	17 36 14.3	-28 53 43		5.9	5.7		0.2	359-78	0.01	17 41 52.8	-29 5 55			5.9		
359-10	1.01	17 36 20.2	-29 8 13	8.2		6.2			359-73	-0.02	17 41 52.8	-29 9 26			6.1		
359-30	1.12	17 36 25.6	-28 54 44			6.3			359-87	0.06	17 41 54.4	-28 59 55			6.2		
359-12	0.99	17 36 29.1	-29 8 13			6.5			359-89	0.07	17 41 55.2	-28 58 26			5.9		
359-32	1.09	17 36 36.0	-28 54 44			6.4			359-77	-0.02	17 41 56.7	-29 7 25	7.5	5.4	5.1		0.3
359-28	1.01	17 36 47.9	-28 59 14			6.3			359-90	0.06	17 41 58.6	-28 57 56			6.4		
359-15	0.91	17 36 51.4	-29 9 15	8.4	5.9	5.6		0.3	359-86	0.01	17 42 5.0	-29 1 56			6.1		
359-37	1.03	17 36 54.2	-28 54 15			6.5			359-88	0.0	17 42 9.0	-29 0 55			6.0		
359-32	0.99	17 36 57.3	-28 58 15			6.4			359-92	-0.02	17 42 19.8	-28 59 56			6.2		
359-39	1.00	17 37 4.5	-28 54 15			6.1			359-95	0.0	17 42 20.1	-28 57 27			6.4		
359-20	0.86	17 37 9.2	-29 8 14			6.1			359-78	-0.11	17 42 20.6	-29 9 56		5.9	5.0		0.9
359-41	0.98	17 37 13.2	-28 53 46	6.8	6.3	5.8		0.5	360-00	0.01	17 42 23.6	-28 54 57			6.4		
359-35	0.91	17 37 20.2	-28 59 15		6.4	5.9		0.5	359-95	-0.02	17 42 23.5	-28 57 57			6.0		
359-37	0.88	17 37 31.5	-28 59 15			6.4			359-95	-0.04	17 42 28.8	-28 58 57		6.1	4.0	1.8	2.1
359-40	0.83	17 37 43.9	-28 59 16		4.7	4.1		0.6	359-97	-0.03	17 42 29.0	-28 57 27			5.4		
359-47	0.86	17 37 49.4	-28 54 47	8.6	5.0	4.7		0.3	360-00	-0.01	17 42 29.5	-28 55 27			6.5		
359-34	0.77	17 37 52.1	-29 4 16			5.9			359-99	-0.04	17 42 33.3	-28 56 57			6.2		
359-38	0.78	17 37 54.9	-29 1 47		6.5	5.6		0.9	359-96	-0.05	17 42 33.4	-28 58 27			5.1		
359-43	0.78	17 38 6.3	-28 57 47			5.9			359-92	-0.06	17 42 36.8	-29 1 57		6.4	5.3		1.1
359-36	0.67	17 38 18.5	-29 6 18		6.1	5.3		0.8	0.92	-0.09	17 42 43.5	-28 55 58			6.0		
359-56	0.74	17 38 32.6	-28 53 48			6.4			359-97	-0.10	17 42 46.2	-28 59 57			6.2		
359-54	0.72	17 38 35.7	-28 55 48			6.3			359-92	-0.14	17 42 46.6	-29 3 27	8.2	5.4	5.2		0.2
359-36	0.58	17 38 38.9	-29 9 19		6.3	5.4		0.9	360-00	-0.09	17 42 46.8	-28 57 58			6.5		
359-46	0.64	17 38 40.1	-29 2 19			6.0			359-93	-0.15	17 42 50.3	-29 3 27	7.5	6.1	6.5		-0.1
359-35	0.55	17 38 43.4	-29 10 49		6.5	5.4		1.1	359-97	-0.12	17 42 50.6	-29 0 27	8.3	5.5	5.3		0.2
359-58	0.69	17 38 45.2	-28 54 19			6.5			360-00	-0.11	17 42 51.5	-28 58 28		6.3	5.8		0.5
359-35	0.54	17 38 47.7	-29 10 49			6.4			0.03	-0.10	17 42 51.4	-28 56 28			6.4		
359-43	0.56	17 38 55.0	-29 6 19			6.2			359-98	-0.19	17 43 1.7	-29 1 58			5.0		
359-48	0.54	17 39 4.4	-29 4 19			6.2			358-99	-0.21	17 43 13.5	-29 1 59		5.9	5.0		0.9
359-58	0.49	17 39 30.3	-29 0 50			6.3			0.08	-0.19	17 43 23.2	-28 56 29			6.4		

LIJ	BIJ	RA(1950)	DEC(1950)	I	H	K	L	H-K	LIJ	BIJ	RA(1950)	DEC(1950)	I	H	K	L	H-K
0.12	-0.19	17 43 28.5	-28 54 59	6.1	3.2	6.0	2.1	0.4	0.50	-0.85	17 46 56.2	-28 56 7	6.3	6.3	6.3	6.3	0.0
0.04	-0.30	17 43 30.5	-29 0 58	6.1	3.2	6.0	2.1	0.4	0.55	-0.84	17 46 56.9	-29 6 37	6.3	6.3	6.3	6.3	0.0
359.98	-0.32	17 43 33.4	-29 5 28	6.4	6.0	6.4	6.0	0.4	0.29	-0.99	17 47 1.3	-29 11 7	5.7	5.7	5.7	5.7	0.0
359.99	-0.43	17 43 41.3	-29 5 29	6.4	6.0	6.4	6.0	0.4	0.51	-0.88	17 47 4.9	-28 56 7	6.1	6.1	6.1	6.1	0.0
359.97	-0.43	17 44 3.7	-29 9 59	6.4	6.0	6.4	6.0	0.4	0.42	-1.03	17 47 28.3	-29 6 7	6.1	6.1	6.1	6.1	0.0
0.03	-0.44	17 44 5.5	-29 6 0	7.9	5.7	5.3	1.9	0.6	0.52	-0.98	17 47 31.1	-28 59 8	6.5	6.5	6.5	6.5	0.0
0.11	-0.36	17 44 5.7	-29 0 30	6.1	3.2	6.0	2.1	0.4	0.60	-0.95	17 47 33.1	-28 54 8	6.4	6.4	6.4	6.4	0.0
0.11	-0.38	17 44 11.1	-29 1 0	5.5	4.8	6.5	6.5	0.7	0.59	-0.99	17 47 41.3	-28 55 38	6.4	6.4	6.4	6.4	0.0
0.17	-0.39	17 44 22.4	-28 58 31	6.2	5.4	6.2	6.2	0.8	0.52	-1.03	17 47 41.8	-29 0 37	6.4	6.4	6.4	6.4	0.0
0.13	-0.43	17 44 26.2	-29 2 1	5.2	3.4	6.0	1.9	1.8	0.59	-0.99	17 47 43.9	-28 55 38	6.0	6.0	6.0	6.0	0.0
0.18	-0.41	17 44 29.1	-28 58 31	5.9	5.1	6.5	6.5	0.5	0.52	-1.07	17 47 55.0	-29 1 38	6.5	6.5	6.5	6.5	0.0
0.04	-0.57	17 44 45.5	-29 11 2	5.8	5.3	6.5	6.5	0.5	0.61	-1.03	17 47 55.7	-28 56 9	6.1	6.1	6.1	6.1	0.0
0.26	-0.54	17 45 10.2	-28 58 33	6.2	5.4	6.2	6.2	0.8	0.56	-1.09	17 48 2.1	-29 0 38	5.0	5.0	5.0	5.0	0.0
0.23	-0.56	17 45 10.3	-29 1 2	6.2	5.4	6.2	6.2	0.8	0.57	-1.12	17 48 9.9	-29 0 38	8.1	4.9	4.5	0.4	0.4
0.13	-0.64	17 45 13.6	-29 8 32	6.3	6.0	6.3	6.0	0.3	0.63	-1.09	17 48 12.5	-28 56 40	7.9	5.3	5.1	0.2	0.2
0.20	-0.60	17 45 15.2	-29 3 32	5.6	5.0	6.0	6.0	0.6	0.50	-1.20	17 48 18.9	-29 7 9	8.2	5.0	4.6	0.4	0.4
0.27	-0.59	17 45 23.1	-28 59 36	5.5	5.3	6.3	6.3	0.2	0.65	-1.11	17 48 19.7	-28 56 10	6.4	6.4	6.4	6.4	0.0
0.33	-0.56	17 45 24.3	-28 55 33	5.5	5.3	6.3	6.3	0.2	0.49	-1.22	17 48 21.6	-29 8 10	5.8	5.4	5.4	5.4	0.0
0.26	-0.61	17 45 26.6	-29 1 3	6.3	6.0	6.3	6.0	0.3	0.52	-1.21	17 48 24.5	-29 6 9	6.2	6.2	6.2	6.2	0.0
0.28	-0.61	17 45 30.2	-29 0 3	6.3	6.0	6.3	6.0	0.3	0.57	-1.19	17 48 26.6	-29 2 40	6.4	6.4	6.4	6.4	0.0
0.31	-0.59	17 45 30.3	-28 57 34	5.9	5.9	6.4	6.4	0.4	0.54	-1.22	17 48 30.2	-29 5 39	6.4	6.4	6.4	6.4	0.0
0.27	-0.65	17 45 37.7	-29 1 33	8.4	5.9	5.5	6.4	0.4	0.63	-1.17	17 48 31.5	-28 59 10	6.4	6.4	6.4	6.4	0.0
0.33	-0.62	17 45 39.2	-28 57 34	6.2	6.2	6.4	6.4	0.4	0.54	-1.25	17 48 36.9	-29 6 9	6.4	6.4	6.4	6.4	0.0
0.29	-0.66	17 45 42.8	-29 1 3	6.2	6.2	6.4	6.4	0.4	0.74	-1.18	17 48 47.9	-28 54 11	5.8	5.4	5.4	5.4	0.0
0.35	-0.65	17 45 48.5	-28 57 34	6.2	6.2	6.4	6.4	0.4	0.53	-1.31	17 48 48.9	-29 8 40	6.2	6.2	6.2	6.2	0.0
0.36	-0.67	17 45 51.6	-28 58 34	6.0	6.0	6.4	6.4	0.4	0.64	-1.25	17 48 50.4	-29 1 10	6.4	6.4	6.4	6.4	0.0
0.25	-0.72	17 45 51.6	-29 3 32	6.1	5.4	6.2	6.2	0.9	0.55	-1.35	17 48 56.7	-29 8 11	6.3	6.3	6.3	6.3	0.0
0.23	-0.72	17 45 58.0	-29 7 32	8.2	4.7	4.2	6.5	0.4	0.74	-1.22	17 48 58.1	-28 55 11	6.3	6.3	6.3	6.3	0.0
0.28	-0.74	17 45 59.5	-29 3 34	6.2	6.2	6.4	6.4	0.4	0.73	-1.26	17 49 5.1	-28 56 41	6.5	6.5	6.5	6.5	0.0
0.32	-0.74	17 46 6.2	-29 1 34	6.2	6.2	6.4	6.4	0.4	0.77	-1.27	17 49 12.4	-28 55 12	6.0	6.0	6.0	6.0	0.0
0.28	-0.77	17 46 6.7	-29 5 4	6.2	6.2	6.4	6.4	0.4	0.76	-1.28	17 49 14.8	-28 55 42	6.3	6.3	6.3	6.3	0.0
0.45	-0.72	17 46 20.1	-28 57 6	8.2	6.3	6.5	6.5	0.0	0.74	-1.31	17 49 18.3	-28 58 12	6.3	6.3	6.3	6.3	0.0
0.42	-0.73	17 46 20.9	-28 56 2	6.4	6.4	6.4	6.4	0.4	0.67	-1.35	17 49 19.0	-29 2 42	6.2	6.2	6.2	6.2	0.0
0.39	-0.76	17 46 21.2	-28 58 35	6.1	6.1	6.2	6.2	0.4	0.56	-1.42	17 49 19.2	-29 10 11	6.4	6.4	6.4	6.4	0.0
0.39	-0.79	17 46 27.5	-28 59 35	6.2	6.2	6.4	6.4	0.4	0.61	-1.42	17 49 27.5	-29 8 12	6.5	6.5	6.5	6.5	0.0
0.41	-0.80	17 46 31.0	-28 59 6	6.5	6.5	6.2	6.2	0.3	0.70	-1.40	17 49 33.6	-29 2 43	7.3	5.2	5.0	0.2	0.2
0.16	-0.66	17 46 31.6	-28 58 5	8.6	6.1	5.8	6.5	0.3	0.77	-1.36	17 49 35.3	-28 58 13	6.3	6.3	6.3	6.3	0.0
0.39	-0.81	17 46 31.9	-29 4 5	6.5	6.5	6.2	6.2	0.3	0.82	-1.35	17 49 40.6	-28 55 13	6.3	6.3	6.3	6.3	0.0
0.44	-0.81	17 46 33.4	-28 56 36	6.2	6.2	6.4	6.4	0.4	0.77	-1.39	17 49 43.4	-28 58 43	6.2	6.2	6.2	6.2	0.0
0.43	-0.83	17 46 43.4	-28 59 6	6.1	6.1	6.4	6.4	0.4	0.64	-1.48	17 49 44.1	-29 8 13	5.9	5.9	5.9	5.9	0.0
0.45	-0.83	17 46 46.2	-28 57 6	8.3	5.8	5.6	6.2	0.2	0.76	-1.47	17 49 58.6	-29 1 42	6.3	6.3	6.3	6.3	0.0
0.42	-0.86	17 46 47.3	-29 0 7	6.2	2.9	2.5	1.8	0.4	0.81	-1.47	17 50 7.9	-28 59 14	6.4	6.4	6.4	6.4	0.0
0.37	-0.80	17 46 51.0	-29 4 7	6.4	6.4	6.4	6.4	0.4	0.83	-1.46	17 50 8.0	-28 57 44	6.1	6.1	6.1	6.1	0.0
0.30	-0.82	17 46 51.6	-28 55 7	6.5	6.5	6.4	6.4	0.4	0.78	-1.50	17 50 9.0	-29 1 43	6.2	6.2	6.2	6.2	0.0
0.28	-0.97	17 46 53.5	-29 11 7	4.8	4.3	4.3	4.3	0.3	0.82	-1.48	17 50 11.0	-28 59 14	6.4	6.4	6.4	6.4	0.0

LIJ	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LIJ	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K
0.85	-1.47	17 50 13.1	-28 57 14.						1.10	-1.89	17 52 26.8	-28 56 49					
0.83	-1.50	17 50 16.5	-28 59 14.		5.7			0.1	1.40	-1.92	17 52 32.6	-28 57 49			6.5		6.5
0.73	-1.56	17 50 17.2	-29 6 13		6.1	6.0		0.1	0.84	-2.03	17 52 38.1	-29 9 49			6.3		6.3
0.91	-1.47	17 50 20.1	-28 54 14.		6.4	5.9		0.5	1.11	-1.94	17 52 40.4	-28 58 19			6.2		6.2
0.71	-1.60	17 50 22.1	-29 8 14.	8.7		6.5			0.99	-2.03	17 52 43.4	-29 7 18			6.2		6.2
0.91	-1.48	17 50 23.3	-28 54 44.		6.2	5.9		0.3	1.00	-2.07	17 52 56.5	-29 7 49			6.3	5.8	0.5
0.69	-1.61	17 50 24.3	-29 9 44.		6.4	6.4			1.18	-1.97	17 52 57.1	-28 55 20			6.2		6.2
0.80	-1.56	17 50 25.5	-29 2 44.		6.2	5.3		0.9	1.21	-1.98	17 53 3.6	-28 54 20			5.8	5.5	0.3
0.86	-1.52	17 50 26.3	-28 58 14.		6.4	6.0		0.4	1.16	-2.04	17 53 10.9	-28 58 20			6.4	6.0	0.4
0.82	-1.55	17 50 27.7	-29 1 13.		6.4	6.3			1.15	-2.07	17 53 16.7	-28 59 50			6.0	5.7	0.3
0.87	-1.53	17 50 29.4	-28 57 45.	7.9	4.9	4.5		0.4	1.18	-2.10	17 53 26.9	-28 59 21			6.2		6.2
0.68	-1.65	17 50 31.3	-29 11 15.		6.0	6.0			1.04	-2.23	17 53 38.4	-29 10 20	7.9	5.0	4.5		0.5
0.80	-1.60	17 50 35.7	-29 3 44.		6.5	5.9		0.6	1.16	-2.17	17 53 41.2	-29 2 21			6.3		6.3
0.87	-1.57	17 50 38.8	-28 59 15.		6.5	6.5			1.21	-2.15	17 53 42.1	-28 59 22			6.5	6.2	0.3
0.91	-1.55	17 50 40.3	-28 56 45.		6.5	6.5			1.27	-2.11	17 53 42.3	-28 54 52			6.4		6.4
0.73	-1.67	17 50 42.7	-29 9 14.		6.3	6.3			1.28	-2.14	17 53 49.9	-28 55 22			6.5		6.5
0.84	-1.61	17 50 44.3	-29 1 44.		6.5	6.5			1.50	-2.17	17 54 0.3	-28 55 22	8.5	6.0	5.5		0.5
0.82	-1.64	17 50 47.4	-29 3 44.		6.3	6.3			1.50	-2.19	17 54 5.1	-28 55 52			6.1		6.1
0.92	-1.58	17 50 47.9	-28 57 15.		6.4	6.4			1.16	-2.29	17 54 9.7	-29 5 52			6.3	6.0	0.3
0.86	-1.62	17 50 48.6	-29 1 14.		6.4	6.3		0.1	1.32	-2.21	17 54 13.3	-28 55 23			6.5		6.5
0.95	-1.57	17 50 48.9	-28 55 15.		5.9	5.9			1.32	-2.23	17 54 17.8	-28 55 53			6.4		6.4
0.78	-1.67	17 50 50.6	-29 6 45.		6.1	6.1			1.28	-2.27	17 54 19.5	-28 59 23			6.1	5.4	0.7
0.82	-1.66	17 50 53.8	-29 4 44.		5.7	5.1		0.6	1.26	-2.28	17 54 22.0	-29 0 52			6.0	5.2	0.8
0.79	-1.69	17 50 55.1	-29 6 46.		6.3	5.8		0.5	1.21	-2.33	17 54 26.0	-29 4 52	7.9	5.3	4.9		0.4
0.84	-1.68	17 50 59.2	-29 4 16.		6.3	6.3			1.30	-2.28	17 54 26.7	-28 58 53			5.9	5.7	0.2
0.77	-1.72	17 51 0.5	-29 9 15.		6.5	6.5			1.34	-2.27	17 54 29.7	-28 56 23			6.3		6.3
0.77	-1.74	17 51 5.1	-29 9 15.		6.5	6.5			1.38	-2.29	17 54 40.5	-28 54 54			6.0		6.0
0.92	-1.71	17 51 18.0	-29 0 45.		6.1	6.1			1.18	-2.44	17 54 47.3	-29 9 54			6.3		6.3
0.96	-1.70	17 51 22.6	-28 58 16.		6.1	6.1			1.30	-2.38	17 54 49.1	-29 1 23			6.5		6.5
0.98	-1.71	17 51 28.5	-28 57 47.		6.3	6.3			1.24	-2.45	17 54 57.0	-29 6 54			6.4	6.2	0.2
1.02	-1.70	17 51 29.5	-28 55 17.		6.4	6.4			1.20	-2.48	17 54 59.6	-29 9 54	7.1	4.6	4.3		0.3
0.84	-1.84	17 51 37.2	-29 8 46.		6.3	6.3			1.43	-2.36	17 55 3.3	-28 54 24			6.1		6.1
0.94	-1.78	17 51 38.0	-29 2 17.		5.8	4.9		0.9	1.43	-2.38	17 55 6.9	-28 54 55			6.0		6.0
0.89	-1.82	17 51 41.8	-29 5 46.		6.5	6.5			1.35	-2.45	17 55 12.6	-29 0 54			6.1		6.1
0.84	-1.86	17 51 42.4	-29 9 47.		5.9	5.5		0.4	1.41	-2.43	17 55 17.6	-28 57 25	8.0	6.5	6.3		0.2
0.99	-1.79	17 51 48.2	-28 59 46.		6.0	5.4		0.6	1.46	-2.41	17 55 19.0	-28 54 25	8.0	5.3	5.2		0.1
0.85	-1.90	17 51 52.5	-29 10 17.		6.3	6.3			1.36	-2.48	17 55 21.4	-29 1 24			6.3		6.3
1.03	-1.80	17 51 54.1	-28 57 48.		6.3	6.3			1.43	-2.46	17 55 25.7	-28 57 25			6.5		6.5
0.98	-1.85	17 52 0.2	-29 2 18.		6.3	5.8		0.5	1.43	-2.48	17 55 30.9	-28 57 55			6.0		6.0
1.05	-1.82	17 52 2.6	-28 57 48.		6.3	5.8			1.42	-2.54	17 55 44.3	-29 0 25	8.6		6.3		6.3
0.92	-1.91	17 52 5.6	-29 6 48.		6.4	6.4			1.48	-2.51	17 55 44.6	-28 56 26			6.4		6.4
0.93	-1.92	17 52 8.5	-29 7 17.	7.3	3.5	3.1	2.3	0.4	1.51	-2.50	17 55 46.9	-28 54 26	7.7	5.8	5.7		0.1
0.93	-1.92	17 52 15.7	-29 7 17.	8.7	5.2	5.1		0.2	1.44	-2.59	17 55 59.2	-29 0 56			6.1		6.1
1.09	-1.86	17 52 18.5	-28 56 48.		6.2	5.8		0.4	1.31	-2.68	17 56 2.6	-29 10 26			5.9	5.5	0.4
1.03	-1.90	17 52 18.8	-29 1 17.	7.7	5.8	5.4		0.4	1.54	-2.55	17 56 3.3	-28 54 27			6.1		6.1

FIELD CENTER LII=6.0 BII=0.0											
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	L	H-K	L
1.45	-2.61	17 56 6.2	-29 0 56		6.3	5.7		0.6			
1.45	-2.64	17 56 11.5	-29 1 26			6.5					
1.34	-2.73	17 56 19.8	-29 9 57			6.2					
1.51	-2.64	17 56 21.4	-28 58 27			6.3					
1.56	-2.62	17 56 21.5	-28 55 27			6.4		0.6			
1.47	-2.67	17 56 22.5	-29 1 56	7.5	5.7	5.3		0.4			
1.54	-2.77	17 56 54.9	-29 0 58			6.2					
1.21	-2.85	17 56 56.2	-29 9 59	8.0	5.8	5.6		0.2			
1.41	-2.86	17 56 59.2	-29 10 28			6.5					
1.42	-2.87	17 57 2.7	-29 9 59			5.9					
4.31	2.85	17 41 44.5	-23 45 29			6.3					
4.32	2.85	17 41 44.9	-23 44 29			6.4					
4.32	2.87	17 41 52.2	-23 39 29			6.1					
4.34	2.80	17 42 6.1	-23 42 29			6.4					
4.42	2.72	17 42 28.1	-23 43 50	7.8	6.1	5.9		0.2			
4.53	2.67	17 42 55.5	-23 39 31			6.4					
4.54	2.66	17 42 57.8	-23 39 31	8.4	5.0	6.5		0.5			
4.68	2.67	17 43 12.8	-23 45 32			6.2					
4.65	2.38	17 43 16.1	-23 41 32			6.5					
4.62	2.55	17 43 38.8	-23 39 35	8.1	6.5	6.3		0.2			
4.54	2.44	17 43 47.2	-23 46 3			6.4					
4.57	2.30	17 44 21.7	-23 49 4			6.0					
4.67	2.36	17 44 28.9	-23 42 4			6.3					
4.65	2.51	17 44 30.7	-23 44 35			6.5					
4.67	2.24	17 44 48.8	-23 46 5	8.1	5.6	5.5		0.1			
4.74	2.09	17 45 31.4	-23 47 7			6.3					
4.83	2.14	17 45 33.6	-23 40 37			6.5					
4.77	2.09	17 45 35.4	-23 45 37			5.5					
4.79	2.09	17 45 38.6	-23 44 37			5.1					
4.85	2.10	17 45 45.8	-23 41 7			6.5					
4.78	2.06	17 45 46.1	-23 46 7			6.4					
4.91	1.90	17 46 38.8	-23 44 9			6.1					
4.93	1.91	17 46 39.6	-23 45 9			6.2					
5.00	1.84	17 47 4.1	-23 41 10			6.2					
4.93	1.77	17 47 10.4	-23 47 10			6.3					
4.92	1.69	17 47 28.3	-23 50 11			6.4					
4.98	1.70	17 47 32.8	-23 46 41			5.6					
4.97	1.66	17 47 41.3	-23 48 42			5.9					
4.99	1.61	17 47 55.7	-23 49 12			6.0					
5.00	1.55	17 48 9.2	-23 50 13			5.4					
5.05	1.57	17 48 10.6	-23 47 13			6.3					
5.03	1.56	17 48 11.9	-23 48 43			5.9					
5.07	1.54	17 48 21.3	-23 47 13			5.9					
5.14	1.58	17 48 22.2	-23 42 13			6.1					
5.21	1.56	17 48 35.9	-23 39 44	6.6	5.7	5.8		-0.1			
5.10	1.43	17 48 50.2	-23 48 44			5.5					
5.23	1.35	17 49 24.8	-23 44 45			5.9					
5.26	1.36	17 49 26.7	-23 42 45			6.1					
5.31	1.32	17 49 41.3	-23 41 46			6.1					
5.24	1.27	17 49 46.1	-23 46 46			5.9					
5.26	1.19	17 50 3.9	-23 48 17			5.9					
5.40	1.20	17 50 21.1	-23 40 47			6.2					
5.29	1.13	17 50 23.1	-23 48 17			6.1					
5.43	1.15	17 50 37.4	-23 40 48			6.4					
5.40	1.12	17 50 39.9	-23 45 18			5.7					

FIELD CENTER	LII=21.5	BII=0.0	LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	
			20.60	1.48	18 20 34.5	-10 17 26						21.33	0.13	18 26 49.3	-10 17 6					6.3	
			20.75	1.35	18 21 20.8	-10 13 28			6.2			21.35	0.02	18 27 13.5	-10 20 11					6.4	
			20.74	1.32	18 21 25.5	-10 14 28			6.3			21.39	-0.04	18 27 33.4	-10 18 42					6.2	
			20.72	1.30	18 21 26.2	-10 16 28			6.3			21.35	-0.07	18 27 33.8	-10 21 42		5.6			6.4	0.7
			20.66	1.27	18 21 27.5	-10 20 28			6.1	0.4		21.36	-0.11	18 27 39.2	-10 20 42					6.4	
			20.70	1.26	18 21 33.9	-10 18 29			6.3	0.9		21.36	-0.11	18 27 43.6	-10 21 53					6.1	
			20.69	1.15	18 21 56.2	-10 22 29			5.9			21.40	-0.05	18 27 45.6	-10 13 42					5.8	
			20.76	1.06	18 22 22.2	-10 21 0			6.4			21.39	-0.11	18 27 48.8	-10 20 12					6.4	
			20.79	1.05	18 22 29.8	-10 19 31			6.1			21.48	-0.10	18 27 55.7	-10 21 12					6.0	
			20.78	1.04	18 22 30.6	-10 20 31			6.1			21.44	-0.17	18 28 4.6	-10 15 42					6.5	
			20.85	1.05	18 22 35.9	-10 16 31			6.2			21.44	-0.17	18 28 4.6	-10 19 43					6.0	
			20.79	1.01	18 22 37.0	-10 21 1			5.9			21.40	-0.17	18 28 10.8	-10 17 9					5.8	
			20.91	1.01	18 22 52.7	-10 14 31			6.1			21.51	-0.31	18 28 45.0	-10 19 44					6.1	
			20.83	0.91	18 23 2.8	-10 21 32			6.1			21.60	-0.34	18 29 1.8	-10 15 45					5.6	
			20.95	0.94	18 23 9.9	-10 14 32		5.8	5.5	0.3		21.65	-0.37	18 29 13.2	-10 13 45					6.2	
			20.94	0.90	18 23 19.1	-10 15 58			6.5			21.68	-0.45	18 29 33.4	-10 14 46					5.6	
			20.95	0.87	18 23 26.7	-10 16 33			6.1			21.60	-0.50	18 29 36.9	-10 20 16		5.9	5.6		6.3	0.3
			20.95	0.85	18 23 29.4	-10 16 59			6.2			21.69	-0.47	18 29 39.3	-10 14 46		6.3	5.4		6.0	0.9
			20.98	0.85	18 23 33.7	-10 15 33		6.4	5.7	0.7		21.59	-0.52	18 29 39.4	-10 21 46		4.7	6.0		6.0	0.7
			21.00	0.84	18 23 38.3	-10 14 33			6.4			21.68	-0.50	18 29 44.3	-10 16 12					4.0	
			20.91	0.75	18 23 46.8	-10 21 33			6.1			21.73	-0.52	18 29 54.7	-10 13 47					6.2	
			20.96	0.77	18 23 48.6	-10 18 34			6.5	0.9		21.62	-0.59	18 29 56.4	-10 21 58					6.4	
			20.93	0.72	18 23 54.6	-10 21 45			5.4	0.5		21.75	-0.58	18 30 10.1	-10 14 47		6.2	5.3		6.2	0.9
			20.95	0.73	18 23 55.4	-10 20 34			6.4			21.73	-0.65	18 30 21.3	-10 17 48		6.0	5.5		6.0	0.5
			20.99	0.75	18 23 57.9	-10 17 34			6.5			21.74	-0.74	18 30 43.2	-10 19 19		6.4	5.9		6.4	0.5
			21.05	0.74	18 24 6.8	-10 14 34			6.1			21.70	-0.78	18 30 48.3	-10 22 49		6.2	5.4		6.2	0.8
			21.01	0.68	18 24 12.7	-10 18 34			6.0			21.78	-0.75	18 30 51.0	-10 17 49		6.0	5.6		6.0	0.4
			21.03	0.56	18 24 42.4	-10 21 5			6.2			21.81	-0.74	18 30 51.4	-10 15 49		4.8	4.0		4.8	0.8
			21.11	0.55	18 24 52.2	-10 17 2			6.4	0.6		21.75	-0.83	18 31 3.5	-10 21 19		6.4	5.5		6.4	0.9
			21.09	0.48	18 25 4.6	-10 20 6		6.5	5.9	0.6		21.76	-0.85	18 31 8.8	-10 21 19	8.5				6.2	
			21.11	0.47	18 25 11.4	-10 19 7			6.4			21.89	-0.95	18 31 45.2	-10 17 17		5.1	4.4		5.1	0.7
			21.19	0.48	18 25 18.4	-10 14 17			6.1			21.88	-0.95	18 31 45.3	-10 18 21					6.3	
			21.12	0.45	18 25 18.9	-10 19 37			6.4	0.7		21.85	-1.03	18 31 58.9	-10 22 2		5.9	5.4		5.9	0.5
			21.15	0.45	18 25 20.6	-10 17 57			5.9	0.8		21.93	-1.06	18 32 13.3	-10 18 22		5.8	5.2		5.8	0.6
			21.25	0.43	18 25 20.6	-10 17 57			5.9			21.92	-1.07	18 32 16.1	-10 19 22		6.2	5.6		6.2	0.6
			21.14	0.39	18 25 31.0	-10 19 37			5.5	0.8		21.90	-1.16	18 32 32.6	-10 22 52		5.9	5.3		5.9	0.6
			21.20	0.37	18 25 41.5	-10 17 4			6.4			21.91	-1.21	18 32 45.1	-10 23 34		5.9	5.5		5.9	0.5
			21.22	0.35	18 25 50.1	-10 16 58			6.2			22.04	-1.27	18 33 11.9	-10 18 54		5.3	4.7		5.3	0.6
			21.26	0.32	18 25 59.8	-10 13 58	7.4	4.5	4.1	0.4		22.17	-1.46	18 34 7.5	-10 16 56					6.2	
			21.16	0.25	18 26 7.6	-10 23 20	8.5	5.5	5.0	0.5		22.21	-1.50	18 34 20.5	-10 15 56					6.2	
			21.29	0.26	18 26 17.2	-10 15 39			6.1			22.25	-1.59	18 34 43.8	-10 15 57		7.8	5.6		6.1	0.4
			21.30	0.22	18 26 23.9	-10 16 5			6.0			22.20	-1.60	18 34 53.1	-10 13 58					6.2	
			21.31	0.23	18 26 28.2	-10 15 59			6.2			22.23	-1.69	18 35 3.2	-10 19 58					6.1	
			21.24	0.12	18 26 40.6	-10 21 51			5.9			22.31	-1.65	18 35 4.8	-10 14 58					6.3	
			21.26	0.10	18 26 48.3	-10 21 40			6.2			22.22	-1.70	18 35 5.7	-10 20 58		7.6	4.8		6.5	0.3

FIELD CENTER LII=24.0 BII=0.0																	
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K
22.32	-1.72	18 35 19.9	-10 15 58						22.94	1.63	18 24 30.8	-8 9 29	8.5	6.2	5.9	0.3	0.3
22.32	-1.77	18 35 23.7	-10 16 25		5.9	5.1	6.5	0.8	23.02	1.59	18 24 48.0	-8 8 30	7.2	3.4	2.9	2.3	0.5
22.25	-1.63	18 35 37.5	-10 22 59	8.2	5.6	5.4	6.0	0.2	23.03	1.59	18 25 10.1	-8 8 30	6.2	6.0	6.0		0.0
22.25	-1.86	18 35 44.5	-10 23 40		6.4	6.3	6.5	0.4	23.15	1.23	18 26 41.1	-8 9 33	5.6	5.3	4.8	0.5	0.5
22.50	-1.90	18 35 58.7	-10 22 11						23.20	1.22	18 26 28.4	-8 7 35	5.6	5.3	4.8	0.5	0.5
22.34	-1.93	18 36 8.4	-10 21 0		6.0	5.6	6.0	0.4	23.21	1.20	18 26 32.7	-8 7 33	6.4	5.8	5.8	0.6	0.6
22.38	-1.93	18 36 18.1	-10 19 31						23.16	1.18	18 26 35.0	-8 10 33	6.4	5.8	5.8	0.6	0.6
22.40	-1.99	18 36 27.2	-10 19 31		6.2	5.6	6.1	0.6	23.17	1.16	18 26 37.1	-8 10 34	6.1	6.1	6.1		0.0
22.71	-2.63	18 39 21.8	-10 20 37						23.19	1.05	18 27 5.8	-8 12 35	5.3	4.8	4.8	0.5	0.5
22.74	-2.81	18 40 4.5	-10 23 50						23.31	1.10	18 27 4.9	-8 4 35	5.5	4.7	4.7	0.8	0.8
									23.25	1.03	18 27 14.5	-8 10 5	8.5	6.2	5.9	0.3	0.3
									23.21	0.97	18 27 21.6	-8 14 5	6.0	5.4	5.4	0.6	0.6
									23.23	0.95	18 27 29.0	-8 13 6	7.2	3.4	2.9	2.3	0.5
									23.30	0.95	18 27 36.5	-8 9 36	6.0	6.0	6.0		0.0
									23.34	0.95	18 27 41.4	-8 7 36	5.5	4.7	4.7	0.8	0.8
									23.36	0.93	18 27 47.2	-8 7 6	6.4	6.4	6.4		0.0
									23.32	0.90	18 27 50.0	-8 10 6	6.0	6.0	6.0		0.0
									23.39	0.91	18 27 55.1	-8 5 36	6.5	6.5	6.5		0.0
									23.34	0.87	18 27 59.1	-8 9 37	6.2	6.2	6.2		0.0
									23.43	0.88	18 28 5.2	-8 4 37	6.2	6.2	6.2		0.0
									23.40	0.80	18 28 18.8	-8 8 37	6.0	6.0	6.0		0.0
									23.48	0.79	18 28 31.9	-8 4 38	5.3	4.6	4.6	0.7	0.7
									23.43	0.74	18 28 36.7	-8 8 38	6.3	6.3	6.3		0.0
									23.52	0.61	18 29 15.2	-8 7 9	6.2	6.2	6.2		0.0
									23.54	0.59	18 29 20.1	-8 7 10	6.2	6.2	6.2		0.0
									23.46	0.53	18 29 24.8	-8 12 40	5.6	5.6	5.6		0.0
									23.55	0.52	18 29 37.7	-8 8 10	6.4	6.4	6.4		0.0
									23.50	0.47	18 29 41.6	-8 12 10	6.5	6.5	6.5		0.0
									23.52	0.37	18 30 6.2	-8 14 11	6.5	6.5	6.5		0.0
									23.60	0.41	18 30 6.8	-8 8 41	8.6	5.1	4.5	0.6	0.6
									23.67	0.42	18 30 11.8	-8 4 41	6.2	6.2	6.2	0.0	0.0
									23.67	0.39	18 30 17.2	-8 5 42	5.9	5.9	5.9		0.0
									23.56	0.32	18 30 20.7	-8 13 12	6.0	6.0	6.0		0.0
									23.69	0.38	18 30 32.1	-8 4 42	5.4	4.7	4.7	0.7	0.7
									23.58	0.31	18 30 34.4	-8 12 42	5.9	5.4	5.4	0.5	0.5
									23.65	0.31	18 30 33.2	-8 9 12	6.3	5.6	5.6	0.7	0.7
									23.65	0.29	18 30 36.9	-8 9 42	6.4	6.4	6.4		0.0
									23.73	0.30	18 30 44.1	-8 4 43	6.0	5.2	5.2	0.8	0.8
									23.71	0.27	18 30 49.5	-8 6 43	5.7	4.9	4.9	0.8	0.8
									23.75	0.27	18 30 53.6	-8 4 43	6.4	6.4	6.4		0.0
									23.70	0.08	18 31 27.9	-8 12 44	5.3	5.3	5.3		0.0
									23.76	0.11	18 31 39.1	-8 8 44	5.5	5.5	5.5		0.0
									23.78	-0.07	18 32 10.2	-8 12 46	6.3	6.3	6.3		0.0
									23.82	-0.13	18 32 28.1	-8 12 16	6.1	5.3	5.3	0.8	0.8
									23.85	-0.12	18 32 39.5	-8 10 16	6.4	6.4	6.4		0.0

FIELD CENTER LII=26.0 BII=0.0									
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	H-K
25.02	1.65	18 28 21.1	-6 18 30	8.2	5.0	6.4		0.6	
25.09	1.84	18 28 30.1	-6 15 30		5.5	5.4		-0.1	
25.07	1.61	18 28 36.1	-6 17 0		5.0	4.5		0.7	
25.14	1.47	18 29 14.0	-6 17 32		6.0	6.5			
25.09	1.40	18 29 23.0	-6 22 2						
25.19	1.43	18 29 27.0	-6 16 2						
25.13	1.53	18 29 42.1	-6 21 33		5.5	4.6		0.7	
25.20	1.52	18 29 51.0	-6 18 30		6.4	5.9		0.5	
25.24	1.47	18 30 7.1	-6 17 34	8.6	6.4	5.7			
25.30	1.48	18 30 16.3	-6 15 4		6.5	6.1		0.4	
25.36	1.15	18 30 45.3	-6 14 35						
25.33	1.11	18 30 51.1	-6 17 35						
25.36	1.08	18 31 2.1	-6 16 36		6.5	5.5		1.0	
25.27	1.03	18 31 2.1	-6 22 36		5.4	4.8		0.6	
25.34	1.02	18 31 11.0	-6 19 6						
25.34	0.97	18 31 23.2	-6 20 36	7.7	5.5	5.1		0.4	
25.35	0.94	18 31 29.2	-6 21 7	8.7	6.2	5.9		0.3	
25.37	0.95	18 31 31.2	-6 19 37						
25.39	0.83	18 31 53.2	-6 21 37						
25.46	0.83	18 32 5.1	-6 18 8	8.7	5.6	5.1		0.5	
25.57	0.88	18 32 8.7	-6 11 10						
25.59	0.80	18 32 28.3	-6 12 11						
25.54	0.72	18 32 37.9	-6 17 9						
25.52	0.67	18 32 46.1	-6 19 39						
25.60	0.66	18 32 58.1	-6 15 40						
25.59	0.61	18 33 7.0	-6 17 10						
25.57	0.58	18 33 11.1	-6 19 10						
25.56	0.55	18 33 16.1	-6 20 40						
25.58	0.53	18 33 24.1	-6 20 11	7.6	4.7	4.3		0.4	
25.66	0.53	18 33 32.2	-6 15 41						
25.57	0.44	18 33 41.1	-6 23 11		6.5	6.0		0.5	
25.69	0.41	18 34 1.1	-6 17 42						
25.70	0.37	18 34 11.1	-6 18 42						
25.63	0.32	18 34 14.1	-6 23 12						
25.81	0.36	18 34 25.6	-6 12 45						
25.84	0.36	18 34 28.1	-6 11 15						
25.76	0.38	18 34 37.2	-6 17 43						
25.81	0.50	18 34 39.3	-6 14 43						
25.74	0.52	18 34 41.1	-6 19 13	6.2	5.4			0.8	
25.76	0.36	18 34 42.1	-6 18 14						
25.84	0.36	18 34 28.1	-6 11 15						
25.76	0.38	18 34 37.2	-6 17 43						
25.81	0.50	18 34 39.3	-6 14 43						
25.74	0.52	18 34 41.1	-6 19 13	6.2	5.4			0.8	
25.76	0.36	18 34 42.1	-6 18 14						
25.84	0.36	18 34 28.1	-6 11 15						
25.70	0.23	18 34 42.1	-6 22 14						
25.74	0.16	18 35 0.1	-6 21 44						
25.87	0.22	18 35 2.7	-6 13 16						
25.82	0.17	18 35 7.1	-6 17 14	4.8	4.1			0.7	
25.79	0.10	18 35 18.1	-6 21 15						
25.76	0.09	18 35 19.0	-6 22 45						
25.90	0.12	18 35 27.2	-6 14 45						
25.96	0.13	18 35 32.8	-6 11 17						
25.92	0.09	18 35 35.9	-6 14 17						
25.87	0.06	18 35 37.1	-6 17 45						
25.84	0.04	18 35 37.2	-6 20 15						
25.88	0.02	18 35 46.1	-6 18 46						
25.95	0.02	18 35 53.3	-6 14 46						
25.98	-0.02	18 36 4.9	-6 14 18						
25.88	-0.08	18 36 7.1	-6 21 17						
25.93	-0.05	18 36 8.0	-6 17 47						
25.91	-0.09	18 36 13.2	-6 19 47						
25.99	-0.06	18 36 18.1	-6 15 17						
26.02	-0.07	18 36 21.9	-6 13 49						
25.97	-0.12	18 36 26.1	-6 17 47						
25.99	-0.12	18 36 28.1	-6 16 17						
26.01	-0.11	18 36 28.2	-6 15 17						
26.07	-0.12	18 36 30.0	-6 12 20						
25.97	-0.17	18 36 39.0	-6 18 48						
26.04	-0.16	18 36 42.2	-6 15 18						
25.95	-0.35	18 36 51.1	-6 22 18						
26.00	-0.36	18 36 59.0	-6 16 48						
26.02	-0.36	18 37 1.1	-6 18 48						
25.98	-0.31	18 37 6.1	-6 22 19						
26.02	-0.30	18 37 11.1	-6 19 49						
25.98	-0.34	18 37 15.1	-6 23 19						
26.19	-0.31	18 37 32.5	-6 11 22						
26.15	-0.20	18 37 39.2	-6 15 20						
26.19	-0.25	18 38 5.2	-6 15 21						
26.25	-0.25	18 38 5.8	-6 11 23						
26.17	-0.18	18 38 5.2	-6 16 51						
26.11	-0.26	18 38 14.2	-6 22 51						
26.18	-0.22	18 38 15.2	-6 17 21						
26.15	-0.26	18 38 15.1	-6 19 31						
26.17	-0.38	18 38 27.1	-6 19 32						
26.26	-0.58	18 38 37.2	-6 14 52						
26.25	-0.57	18 38 38.2	-6 22 52						
26.25	-0.37	18 38 39.3	-6 12 24						
26.25	-0.69	18 38 41.4	-6 15 52						
26.15	-0.67	18 38 43.1	-6 23 22						
26.28	-0.61	18 38 45.3	-6 14 52						
26.19	-0.68	18 38 47.2	-6 20 52						
26.31	-0.60	18 38 47.2	-6 12 54						
26.26	-0.84	18 38 50.3	-6 16 22						
26.22	-0.69	18 38 56.1	-6 19 53						

FIELD CENTER LII=27.0 BII=0.0

LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K
26.35	-0.63	18 38 57.0	-6 11 25				6.2		26.35	1.67	18 30 21.8	-5 19 36					
26.21	-0.71	18 38 59.2	-6 20 53				6.4		26.12	1.47	18 31 3.7	-5 25 36					
26.30	-0.67	18 39 1.2	-6 15 23				6.4		26.17	1.48	18 31 6.5	-5 22 38					
26.35	-0.69	18 39 9.9	-6 12 55				6.4 5.8	0.6	26.20	1.48	18 31 9.2	-5 20 38					
26.21	-0.78	18 39 14.2	-6 23 23				6.2 5.3	0.9	26.08	1.31	18 31 32.7	-5 32 7	8.2	5.8	5.4		0.4
26.35	-0.71	18 39 14.9	-6 13 55				6.3		26.11	1.30	18 31 37.7	-5 30 37					1.0
26.25	-0.72	18 39 18.5	-6 13 55				6.3 5.8	0.5	26.33	1.33	18 31 55.5	-5 18 9					1.0
26.25	-0.82	18 39 28.2	-6 22 24				5.2 4.6	0.6	26.27	1.29	18 31 58.8	-5 22 38					0.8
26.32	-0.89	18 39 49.1	-6 20 25				6.4		26.26	1.26	18 32 4.6	-5 23 38					0.1
26.40	-0.85	18 39 49.3	-6 14 55				6.4		26.37	1.19	18 32 31.7	-5 20 11					0.1
26.37	-0.94	18 40 6.0	-6 18 55				6.4		26.24	1.01	18 32 55.6	-5 31 40					0.3
26.35	-1.00	18 40 17.1	-6 21 26				6.0		26.41	1.03	18 33 9.4	-5 22 12					0.7
26.41	-1.00	18 40 24.0	-6 18 26				6.2		26.37	0.96	18 33 20.6	-5 26 11					0.4
26.45	-1.00	18 40 27.2	-6 16 26				5.7		26.40	0.94	18 33 28.6	-5 25 11	6.2	3.7	3.3		0.4
26.48	-1.11	18 40 55.1	-6 17 57				6.4		26.47	0.90	18 33 42.6	-5 22 41					0.3
26.46	-1.16	18 41 3.0	-6 20 27				6.4		26.38	0.85	18 33 45.5	-5 28 41					0.7
26.46	-1.23	18 41 19.0	-6 22 28				6.2		26.30	0.83	18 34 2.7	-5 23 12					0.7
26.60	-1.23	18 41 34.1	-6 14 58	8.0	5.3	4.8	6.2	0.5	26.39	0.74	18 34 8.7	-5 31 12					0.7
26.57	-1.29	18 41 45.1	-6 17 59				6.2 5.5	0.7	26.37	0.73	18 34 10.7	-5 32 42					0.4
26.54	-1.36	18 41 57.0	-6 21 39				5.0 4.6	0.4	26.56	0.79	18 34 17.2	-5 20 45					-0.4
26.63	-1.37	18 42 8.2	-6 17 0				6.3	0.8	26.55	0.74	18 34 28.8	-5 22 43					0.6
26.63	-1.44	18 42 22.1	-6 19 0				6.2		26.45	0.65	18 34 33.7	-5 30 43					1.1
26.73	-1.50	18 42 45.1	-6 15 31				6.3		26.44	0.72	18 34 41.9	-5 18 45					1.1
26.68	-1.54	18 42 49.2	-6 19 1				5.9		26.49	0.62	18 34 49.7	-5 30 14					0.5
26.74	-1.54	18 42 56.3	-6 16 1				6.0		26.55	0.64	18 34 59.5	-5 20 16					0.5
26.78	-1.61	18 43 16.1	-6 15 32				6.5 5.8	0.7	26.50	0.56	18 35 0.6	-5 30 44					0.4
26.77	-1.67	18 43 26.1	-6 18 2				4.7		26.57	0.55	18 35 8.7	-5 27 15					0.0
26.82	-1.78	18 43 56.1	-6 18 33	6.5	5.1	6.0	6.0	0.4	26.59	0.50	18 35 12.6	-5 32 45					0.8
26.86	-1.80	18 44 4.2	-6 16 34				6.2		26.55	0.56	18 35 16.8	-5 22 45					0.8
26.89	-1.88	18 44 25.2	-6 17 54	8.6			6.2		26.70	0.54	18 35 27.1	-5 20 17					0.8
26.90	-1.96	18 44 44.1	-6 19 5				5.1 4.5	0.6	26.56	0.44	18 35 30.7	-5 31 45					0.2
26.93	-2.02	18 45 0.1	-6 19 6				6.4 6.1	0.3	26.59	0.46	18 35 31.8	-5 28 17	8.0	6.2	5.4		0.8
									26.57	0.45	18 35 32.6	-5 29 45					1.2
									26.53	0.40	18 35 37.7	-5 33 15					2.3
									26.70	0.48	18 35 58.4	-5 22 17					0.9
									26.62	0.43	18 35 41.6	-5 27 46					0.4
									26.73	0.50	18 35 41.9	-5 18 47					6.0
									26.56	0.38	18 35 48.6	-5 32 16					6.4
									26.57	0.34	18 35 55.6	-5 32 46					6.1
									26.61	0.35	18 35 57.6	-5 30 16					6.3

LI I	LI II	LI III	RA(1950)	DEC(1950)	I	H	K	L	H-K	LI I	LI II	RA(1950)	DEC(1950)	I	H	K	L	H-K	
26.69	0.37	0.37	18 36 0.6	-5 25 46			6.3			27.02	-0.08	18 38 15.4	-5 20 23						
26.57	0.31	0.31	18 36 0.6	-5 33 46			6.1			26.99	-0.10	18 38 17.7	-5 22 51						6.4
26.66	0.35	0.35	18 36 2.6	-5 27 46			5.7			27.04	-0.08	18 38 18.4	-5 18 23						6.3
26.71	0.35	0.35	18 36 8.5	-5 25 17			6.0			26.98	-0.14	18 38 24.7	-5 24 21						5.9
26.83	0.31	0.31	18 36 8.6	-5 30 47			6.3			27.07	-0.11	18 38 28.4	-5 18 23						5.4
26.60	0.27	0.27	18 36 13.6	-5 33 17			6.1			26.90	-0.21	18 38 29.5	-5 30 22						6.5
26.69	0.31	0.31	18 36 15.6	-5 27 17			6.2			27.05	-0.24	18 38 30.8	-5 23 52						5.6
26.77	0.32	0.32	18 36 21.7	-5 22 47			3.9		1.2	27.00	-0.24	18 38 30.7	-5 23 52						5.7
26.85	0.33	0.33	18 36 27.2	-5 18 19			5.4		0.7	26.98	-0.24	18 38 34.7	-5 22 52						5.8
26.85	0.21	0.21	18 36 31.6	-5 32 17			6.2			27.00	-0.20	18 38 38.7	-5 24 52						6.4
26.79	0.26	0.26	18 36 35.6	-5 23 18			6.5			27.07	-0.16	18 38 39.7	-5 19 24						6.1
26.77	0.23	0.23	18 36 40.6	-5 25 18			6.3			26.99	-0.28	18 38 43.7	-5 32 52						6.0
26.78	0.23	0.23	18 36 41.6	-5 24 48			6.1			26.95	-0.25	18 38 43.7	-5 18 24						6.0
26.80	0.24	0.24	18 36 42.7	-5 23 48			6.4		-0.1	27.11	-0.18	18 38 46.1	-5 20 24						6.5
26.76	0.16	0.16	18 36 54.6	-5 27 48			6.5			27.08	-0.24	18 38 54.6	-5 21 54						6.5
26.69	0.13	0.13	18 36 54.6	-5 32 18			6.0			27.07	-0.25	18 38 55.7	-5 22 53						5.9
26.89	0.21	0.21	18 36 58.9	-5 19 20			6.3			26.99	-0.29	18 38 56.6	-5 28 25						6.1
26.72	0.11	0.11	18 36 59.6	-5 31 18			6.3			26.92	-0.35	18 38 56.6	-5 32 55						5.9
26.80	0.19	0.19	18 37 3.7	-5 19 51			5.6			27.13	-0.25	18 39 5.2	-5 19 25						6.0
26.85	0.15	0.15	18 37 5.6	-5 23 19			5.0			27.03	-0.31	18 39 4.5	-5 26 25						6.5
26.89	0.15	0.15	18 37 10.7	-5 21 21			4.2		0.6	27.09	-0.28	18 39 5.1	-5 22 25						5.9
26.81	0.14	0.14	18 37 15.5	-5 20 21			6.2		0.3	27.13	-0.27	18 39 6.9	-5 19 55						6.0
26.72	0.02	0.02	18 37 20.6	-5 33 49			6.2			26.96	-0.37	18 39 8.7	-5 31 55						6.5
26.79	0.03	0.03	18 37 26.5	-5 29 49			5.9		0.8	27.01	-0.38	18 39 17.7	-5 29 25			7.7	4.6	3.9	0.7
26.74	-0.01	-0.01	18 37 27.5	-5 33 49			5.9			27.17	-0.30	18 39 18.2	-5 18 25						6.1
26.82	0.03	0.03	18 37 27.6	-5 28 19			5.3		0.9	26.95	-0.42	18 39 18.7	-5 33 53						5.5
26.85	0.02	0.02	18 37 31.5	-5 26 20			6.4			27.06	-0.38	18 39 24.6	-5 26 54						6.1
26.81	-0.02	-0.02	18 37 39.5	-5 30 20			6.0		1.1	27.18	-0.35	18 39 26.5	-5 18 56						6.2
26.87	0.06	0.06	18 37 40.1	-5 19 22			6.5		0.5	27.05	-0.40	18 39 27.7	-5 27 54			8.5	5.2	4.3	0.9
26.86	0.06	0.06	18 37 41.4	-5 18 52			5.6			27.12	-0.39	18 39 31.7	-5 23 54						6.1
26.76	-0.07	-0.07	18 37 43.5	-5 33 50			6.1			27.19	-0.37	18 39 35.4	-5 19 26						6.5
26.84	-0.06	-0.06	18 37 45.6	-5 34 20			6.4			27.07	-0.45	18 39 39.6	-5 27 54			6.0	4.9	4.9	1.1
26.89	-0.06	-0.06	18 37 52.9	-5 31 22			6.2			27.22	-0.39	18 39 42.4	-5 18 26						6.4
27.01	0.02	0.02	18 37 52.9	-5 18 22			6.4			27.21	-0.39	18 39 43.0	-5 19 26						6.3
26.81	-0.09	-0.09	18 37 53.3	-5 32 20			6.4		0.8	27.01	-0.51	18 39 45.6	-5 32 54						6.2
26.80	-0.13	-0.13	18 37 59.6	-5 33 51			6.5			27.16	-0.44	18 39 47.7	-5 22 54			6.4	6.0	6.0	0.4
26.86	-0.10	-0.10	18 38 0.5	-5 39 51			5.7			27.08	-0.51	18 39 52.7	-5 29 25						6.0
26.81	-0.15	-0.15	18 38 1.6	-5 32 51			6.5			27.13	-0.50	18 39 56.6	-5 26 25						6.4
26.88	-0.12	-0.12	18 38 7.6	-5 29 21			6.4			27.10	-0.51	18 39 56.6	-5 28 25						5.7
26.81	-0.15	-0.15	18 38 7.6	-5 33 51			6.3		0.8	27.16	-0.48	18 39 56.7	-5 24 25			5.7	5.4	5.4	0.3
26.84	-0.14	-0.14	18 38 7.6	-5 31 51			5.4		0.8	27.08	-0.53	18 39 57.7	-5 29 55						6.1
26.85	-0.10	-0.10	18 38 11.6	-5 24 51			6.3			27.20	-0.47	18 39 59.2	-5 21 57			5.0	4.6	4.6	0.4
26.87	-0.10	-0.10	18 38 12.7	-5 25 51			5.8			27.24	-0.49	18 40 7.0	-5 19 57			6.0	5.0	5.0	1.0
26.81	-0.15	-0.15	18 38 13.7	-5 27 51			6.2		0.7	27.23	-0.50	18 40 7.9	-5 21 27						6.1
26.88	-0.15	-0.15	18 38 14.5	-5 29 51			6.0		0.7	27.12	-0.56	18 40 8.6	-5 28 55						6.3

FIELD CENTER LII=28.0 BII=0.0												
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	LII	BII	RA(1950)	DEC(1950)
27.00	1.74	18 31 42.8	-4 31 9						27.89	-0.10	18 39 54.4	-4 34 56
26.96	1.69	18 31 49.0	-4 34 39						27.87	-0.11	18 39 56.2	-4 36 26
27.01	1.60	18 32 16.1	-4 34 40						27.88	-0.15	18 40 5.0	-4 36 57
27.04	1.53	18 32 32.8	-4 34 40						27.96	-0.12	18 40 7.7	-4 31 27
27.06	1.43	18 32 35.6	-4 34 41						27.91	-0.15	18 40 8.9	-4 35 27
27.15	1.24	18 33 47.8	-4 37 13						27.89	-0.17	18 40 10.2	-4 36 27
27.22	1.24	18 33 54.0	-4 33 13						27.92	-0.19	18 40 18.4	-4 35 57
27.29	1.03	18 34 47.8	-4 35 15						27.99	-0.17	18 40 20.6	-4 31 27
27.35	1.00	18 34 59.9	-4 33 16						28.05	-0.22	18 40 39.6	-4 29 58
27.33	0.98	18 35 2.9	-4 34 46						27.98	-0.27	18 40 41.7	-4 34 28
27.42	0.90	18 35 28.9	-4 32 17						27.99	-0.31	18 40 50.6	-4 35 28
27.40	0.86	18 35 37.0	-4 34 17						28.07	-0.29	18 40 55.9	-4 30 29
27.38	0.81	18 35 45.1	-4 36 47						28.01	-0.33	18 40 58.6	-4 34 59
27.47	0.73	18 36 12.2	-4 34 18						28.02	-0.36	18 41 6.7	-4 34 59
27.52	0.75	18 36 13.3	-4 31 18						27.99	-0.40	18 41 10.7	-4 37 29
27.49	0.72	18 36 15.7	-4 33 18						28.08	-0.36	18 41 11.5	-4 31 59
27.54	0.67	18 36 33.0	-4 32 19						28.13	-0.34	18 41 13.5	-4 28 59
27.47	0.63	18 36 34.0	-4 37 19						28.10	-0.38	18 41 19.6	-4 31 29
27.57	0.62	18 36 47.2	-4 32 20						28.02	-0.44	18 41 21.7	-4 37 29
27.52	0.57	18 36 51.7	-4 35 20						28.04	-0.44	18 41 25.6	-4 36 30
27.60	0.59	18 36 56.7	-4 31 20						28.10	-0.42	18 41 26.3	-4 32 30
27.59	0.53	18 37 9.2	-4 33 20						28.10	-0.45	18 41 33.4	-4 33 30
27.57	0.47	18 37 17.1	-4 36 51						28.07	-0.47	18 41 34.3	-4 35 30
27.60	0.49	18 37 18.9	-4 33 51						28.12	-0.52	18 41 50.7	-4 34 1
27.64	0.50	18 37 19.4	-4 31 21						28.15	-0.59	18 42 9.7	-4 34 31
27.66	0.48	18 37 27.0	-4 30 51						28.25	-0.59	18 42 20.5	-4 29 32
27.59	0.44	18 37 27.9	-4 35 51						28.22	-0.63	18 42 26.7	-4 32 2
27.57	0.43	18 37 28.2	-4 37 21						28.18	-0.67	18 42 30.3	-4 35 2
27.65	0.42	18 37 28.2	-4 33 21						28.21	-0.81	18 43 4.4	-4 37 33
27.68	0.43	18 37 39.1	-4 31 22						28.27	-0.89	18 43 27.1	-4 36 34
27.73	0.41	18 37 48.6	-4 29 22						28.34	-0.91	18 43 38.5	-4 33 34
27.63	0.33	18 37 53.7	-4 34 52						28.31	-0.93	18 43 40.2	-4 35 34
27.63	0.32	18 37 57.6	-4 36 52						28.31	-0.97	18 43 48.4	-4 36 35
27.72	0.32	18 38 8.1	-4 32 33						28.46	-1.02	18 44 16.2	-4 30 6
27.70	0.29	18 38 12.4	-4 34 23						28.49	-1.05	18 44 24.8	-4 29 6
27.70	0.20	18 38 29.9	-4 36 53						28.46	-1.07	18 44 26.4	-4 31 6
27.78	0.25	18 38 30.0	-4 30 53						28.38	-1.13	18 44 30.6	-4 37 6
27.84	0.22	18 38 41.0	-4 28 54						28.44	-1.16	18 44 42.8	-4 35 7
27.76	0.13	18 38 51.7	-4 35 54						28.53	-1.33	18 45 30.0	-4 35 8
27.83	0.16	18 38 53.1	-4 30 54						28.55	-1.34	18 45 35.5	-4 33 38
27.88	0.04	18 39 26.1	-4 31 35						28.58	-1.53	18 46 16.8	-4 37 40
27.80	-0.01	18 39 27.2	-4 37 35						28.65	-1.55	18 46 28.9	-4 34 40
27.87	0.01	18 39 31.0	-4 32 56						28.71	-1.54	18 46 34.0	-4 30 41
27.82	-0.02	18 39 31.1	-4 36 26						28.69	-1.56	18 46 36.2	-4 32 41
27.82	-0.06	18 39 40.5	-4 37 26						28.71	-1.58	18 46 43.1	-4 32 11

FIELD CENTER LII=30.0 BII=0.0											
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	L	K-L	H-K
28.75	-1.60	18 46 50.7	-4 30 41		5.2	4.7		0.5			
28.73	-1.62	18 46 54.3	-4 32 11		5.4	4.9		0.5			
28.74	-1.64	18 46 58.2	-4 32 12		4.4	4.1		0.3			
28.70	-1.71	18 47 9.6	-4 36 12	7.5	5.9	5.5		0.4			
28.80	-1.67	18 47 11.5	-4 39 42		5.6	4.7		0.9			
28.73	-1.76	18 47 23.5	-4 35 42		6.4	5.6		0.8			
29.35	1.37	18 37 25.4	-2 36 21						6.4		
29.37	1.31	18 37 28.8	-2 42 21						6.3		
29.29	1.18	18 37 58.4	-2 44 52						6.3		
29.37	1.15	18 38 13.1	-2 41 23		6.3	5.5			0.8		
29.38	1.15	18 38 16.1	-2 40 53	7.4	4.1	3.8			0.3		
29.43	1.09	18 38 32.1	-2 39 53						6.4		
29.40	1.07	18 38 34.3	-2 41 53						6.4		
29.38	1.04	18 38 37.8	-2 43 54						5.9		
29.55	0.99	18 39 6.7	-2 36 25		6.0	5.4			0.6		
29.45	0.83	18 39 29.5	-2 45 55						6.3		
29.58	0.82	18 39 47.2	-2 39 26		6.3	5.0			1.3		
29.53	0.76	18 39 53.8	-2 43 56						5.9		
29.55	0.64	18 40 22.4	-2 45 57						6.3		
29.60	0.66	18 40 23.9	-2 42 57		6.0	5.5			0.5		
29.64	0.64	18 40 31.7	-2 40 58						5.5		
29.71	0.68	18 40 32.2	-2 36 28						6.3		
29.59	0.57	18 40 40.9	-2 45 58						4.4		
29.67	0.57	18 40 50.8	-2 41 28	8.6	4.8	4.4			0.4		
29.62	0.54	18 40 51.8	-2 45 28		5.8	5.3			0.5		
29.67	0.50	18 41 4.8	-2 43 29		4.9	4.4			0.5		
29.71	0.44	18 41 23.8	-2 42 60		5.8	4.9			0.9		
29.73	0.39	18 41 34.8	-2 43 30		6.1	6.1			0.4		
29.72	0.33	18 41 46.3	-2 45 30		5.0	4.6			0.4		
29.78	0.27	18 42 5.4	-2 44 1		5.3	4.9			0.4		
29.89	0.33	18 42 5.8	-2 36 31						6.2		
29.82	0.26	18 42 13.6	-2 42 1						5.9		
29.92	0.23	18 42 31.1	-2 38 2		5.9	5.2			0.7		
29.82	0.15	18 42 36.5	-2 45 2						5.4		
29.86	0.08	18 42 54.5	-2 45 3						6.0		
29.92	0.09	18 43 0.5	-2 41 33						6.4		
29.99	0.11	18 43 3.9	-2 37 33		5.2	3.7	2.3		1.5		
29.88	0.05	18 43 5.5	-2 45 33						6.5		
29.97	0.08	18 43 8.2	-2 39 3	8.7	4.4	3.6			0.8		
29.94	0.05	18 43 11.6	-2 41 33						6.2		
29.88	0.0	18 43 15.4	-2 46 4						6.1		
29.99	0.05	18 43 16.7	-2 39 4						6.4		
30.06	0.0	18 43 36.3	-2 36 34						6.4		
30.10	-0.07	18 43 54.6	-2 36 35						5.8		
30.08	-0.30	18 44 41.7	-2 44 37		6.5	5.7			0.8		
30.20	-0.27	18 44 49.5	-2 36 37						6.3		

FIELD CENTER LII=40.0 BII=0.0									
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	
39.09	1.79	18 53 51.6	6 14 3	6.2	5.4	6.2	5.4	0.8	
39.18	1.62	18 54 39.1	6 14 1	6.2	5.3	6.2	5.3	0.9	
39.32	1.51	18 55 17.2	6 18 0	5.8	4.9	5.8	4.9	0.9	
39.28	1.31	18 55 55.1	6 10 29	5.3	5.0	5.3	4.8	0.2	
39.31	1.23	18 56 17.1	6 9 58	6.3	5.4	6.3	5.4	0.9	
39.51	1.12	18 57 1.3	6 17 56	6.5	5.6	6.5	5.6	0.9	
39.54	0.84	18 57 39.5	6 12 25	6.4	5.5	6.4	5.5	0.1	
39.50	0.78	18 58 14.4	6 7 54	8.4	5.5	6.4	5.4	0.1	
39.67	0.79	18 58 30.0	6 16 53	6.4	5.4	6.4	5.4	0.1	
39.60	0.60	18 59 4.1	6 7 52	5.8	5.1	5.8	5.1	0.7	
39.74	0.54	18 59 32.3	6 13 51	5.8	5.1	5.8	5.1	0.7	
39.70	0.51	18 59 33.9	6 10 51	6.5	5.1	6.5	5.1	1.4	
39.84	0.45	19 0 1.6	6 16 50	7.7	3.5	7.7	3.5	0.5	
39.77	0.40	19 0 5.2	6 11 50	6.3	5.2	6.3	5.2	0.5	
39.82	0.32	19 0 27.7	6 11 49	5.9	4.8	5.9	4.8	1.1	
39.80	0.29	19 0 32.7	6 10 19	6.1	6.1	6.1	6.1	0.2	
39.94	0.23	19 0 59.5	6 15 48	7.2	6.2	7.2	6.2	0.2	
40.01	0.05	19 1 47.0	6 14 46	6.5	6.0	6.5	6.0	0.5	
40.04	0.01	19 1 58.3	6 14 46	6.0	6.0	6.0	6.0	0.5	
40.01	-0.02	19 2 3.2	6 12 46	5.3	4.8	5.3	4.8	0.5	
39.95	-0.08	19 2 8.6	6 7 45	5.9	5.9	5.9	5.9	0.5	
40.08	-0.13	19 2 31.6	6 13 15	6.3	6.3	6.3	6.3	0.5	
40.10	-0.13	19 2 36.2	6 14 14	5.6	5.6	5.6	5.6	0.5	
40.02	-0.19	19 2 39.1	6 8 14	5.9	5.9	5.9	5.9	0.5	
40.09	-0.24	19 2 57.9	6 10 44	6.5	6.5	6.5	6.5	0.5	
40.16	-0.23	19 3 2.9	6 14 43	6.4	6.4	6.4	6.4	0.5	
40.17	-0.26	19 3 10.7	6 14 13	6.2	6.2	6.2	6.2	0.5	
40.19	-0.30	19 3 21.2	6 14 43	5.7	5.7	5.7	5.7	0.5	
40.29	-0.37	19 3 47.8	6 17 42	5.7	5.6	5.7	5.6	0.1	
40.23	-0.44	19 3 56.2	6 12 42	6.2	6.2	6.2	6.2	0.1	
40.24	-0.48	19 4 6.4	6 12 11	7.4	5.6	7.4	5.6	-0.1	
40.30	-0.49	19 4 15.2	6 14 41	6.5	6.5	6.5	6.5	0.1	
40.36	-0.50	19 4 23.1	6 17 41	6.4	6.4	6.4	6.4	0.1	
40.26	-0.57	19 4 28.5	6 10 40	5.9	5.9	5.9	5.9	0.1	
40.34	-0.58	19 4 37.8	6 14 40	5.8	5.8	5.8	5.8	0.6	
40.27	-0.67	19 4 49.5	6 8 40	6.0	6.0	6.0	6.0	0.6	
40.37	-0.68	19 5 2.5	6 13 39	6.4	5.8	6.4	5.8	0.6	
40.39	-0.71	19 5 11.0	6 13 39	6.4	6.4	6.4	6.4	0.6	
40.42	-0.71	19 5 14.8	6 15 9	6.4	5.8	6.4	5.8	0.6	
40.47	-0.77	19 5 32.3	6 16 8	6.3	6.3	6.3	6.3	0.6	
40.43	-0.79	19 5 34.0	6 13 38	4.1	0.5	4.1	0.5	-0.4	
40.50	-0.79	19 5 41.2	6 17 8	6.2	5.6	6.2	5.6	0.6	
40.51	-0.81	19 5 46.6	6 17 38	6.0	6.0	6.0	6.0	0.6	
40.54	-0.92	19 6 14.0	6 15 37	6.1	6.1	6.1	6.1	0.6	

FIELD CENTER LII=40.0 BII=0.0									
LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K	
40.48	-0.98	19 6 19.4	6 10 37	6.0	6.0	6.0	6.0	0.7	
40.50	-1.10	19 6 46.9	6 8 36	6.3	5.6	6.3	5.6	0.7	
40.59	-1.13	19 7 5.0	6 12 35	6.4	5.6	6.4	5.6	0.8	
40.54	-1.17	19 7 6.9	6 8 35	6.2	6.2	6.2	6.2	0.8	
40.66	-1.12	19 7 10.0	6 16 35	6.2	6.2	6.2	6.2	0.8	
40.62	-1.23	19 7 29.2	6 11 4	5.1	4.5	5.1	4.5	0.6	
40.71	-1.21	19 7 35.3	6 16 34	6.1	5.0	6.1	5.0	1.1	
40.69	-1.25	19 7 40.8	6 14 34	6.4	6.4	6.4	6.4	0.3	
40.60	-1.31	19 7 42.9	6 8 4	5.2	4.9	5.2	4.9	0.3	
40.68	-1.31	19 7 53.1	6 12 33	5.2	4.9	5.2	4.9	0.3	
40.77	-1.32	19 8 4.4	6 17 3	5.8	5.8	5.8	5.8	0.7	
40.90	-1.67	19 9 34.4	6 14 0	5.5	4.8	5.5	4.8	0.7	
40.88	-1.70	19 9 37.3	6 12 0	6.4	6.4	6.4	6.4	0.7	

FIELD CENTER LII=45.0 BII=0.0

LII	BII	RA(1950)	DEC(1950)	I	H	K	L	H-K
44.17	1.65	19 3 49.1	10 40 12		6.1	5.6		0.5
44.22	1.48	19 4 31.9	10 38 10		6.0	5.3		0.7
44.20	1.40	19 4 46.6	10 34.40		6.4	5.8		0.6
44.29	1.45	19 4 47.8	10 41 10		6.3	5.8		0.5
44.29	1.35	19 5 8.1	10 38 39		6.1	5.5		0.6
44.44	1.18	19 6 30.0	10 41 37		5.7	5.2		0.5
44.39	1.07	19 6 20.8	10 35 37		6.4			
44.45	1.02	19 6 38.3	10 37 36	7.9	6.4	6.2		0.2
44.63	0.69	19 8 10.0	10 37 33	8.0	<4.3	<3.9		
44.70	0.72	19 8 11.3	10 42 33			6.0		
44.68	0.64	19 8 26.7	10 39 2			6.1		
44.71	0.64	19 8 28.8	10 41 2	8.0	<4.3	<3.9		
44.74	0.62	19 8 38.3	10 42 2		6.0	5.6		0.4
44.72	0.58	19 8 42.8	10 39 32			6.4		
44.64	0.53	19 8 45.1	10 34 1		5.4	4.9		0.5
44.83	0.28	19 10 2.1	10 36 59			6.5		
44.87	0.27	19 10 8.8	10 38 59			6.1		0.2
44.82	0.19	19 10 18.0	10 38 58	8.6	6.3	6.1		
44.93	0.17	19 10 34.3	10 38 58	7.7	6.0	5.7		0.3
44.97	0.13	19 10 49.0	10 40 27			6.4		
45.00	0.07	19 11 5.8	10 39 57		5.9	5.3		0.6
45.03	-0.04	19 11 32.1	10 38 56		<4.3	<3.9		
45.04	-0.11	19 11 56.1	10 37 56			6.2		
45.15	-0.15	19 12 10.2	10 41 54			6.5		
45.08	-0.27	19 12 28.9	10 34 34			6.3		
45.24	-0.42	19 13 18.0	10 39 22			6.2		
45.26	-0.42	19 13 24.8	10 40 22		6.5	3.5		1.0
45.23	-0.52	19 13 39.9	10 35 31		6.1	3.6		0.5
45.25	-0.56	19 13 47.7	10 34 21			3.9		
45.29	-0.54	19 13 49.6	10 38 21			3.9		
45.45	-0.84	19 15 12.5	10 38 18			3.5		
45.37	-0.89	19 15 38.8	10 43 17		<4.3	<3.9		
45.61	-0.96	19 15 58.5	10 45 16		<4.3	<3.9		
45.62	-1.09	19 16 26.7	10 40 13		<4.3	<3.9		
45.65	-1.11	19 16 34.2	10 41 13		6.4	6.1		0.3
45.72	-1.43	19 17 51.8	10 35 43	8.2		6.2		
45.78	-1.64	19 18 42.8	10 33 11	8.1	5.7	3.5		0.2
45.98	-1.67	19 19 14.2	10 42 40	8.0	6.2	6.1		0.1
45.99	-1.81	19 19 45.4	10 39 39			6.5		

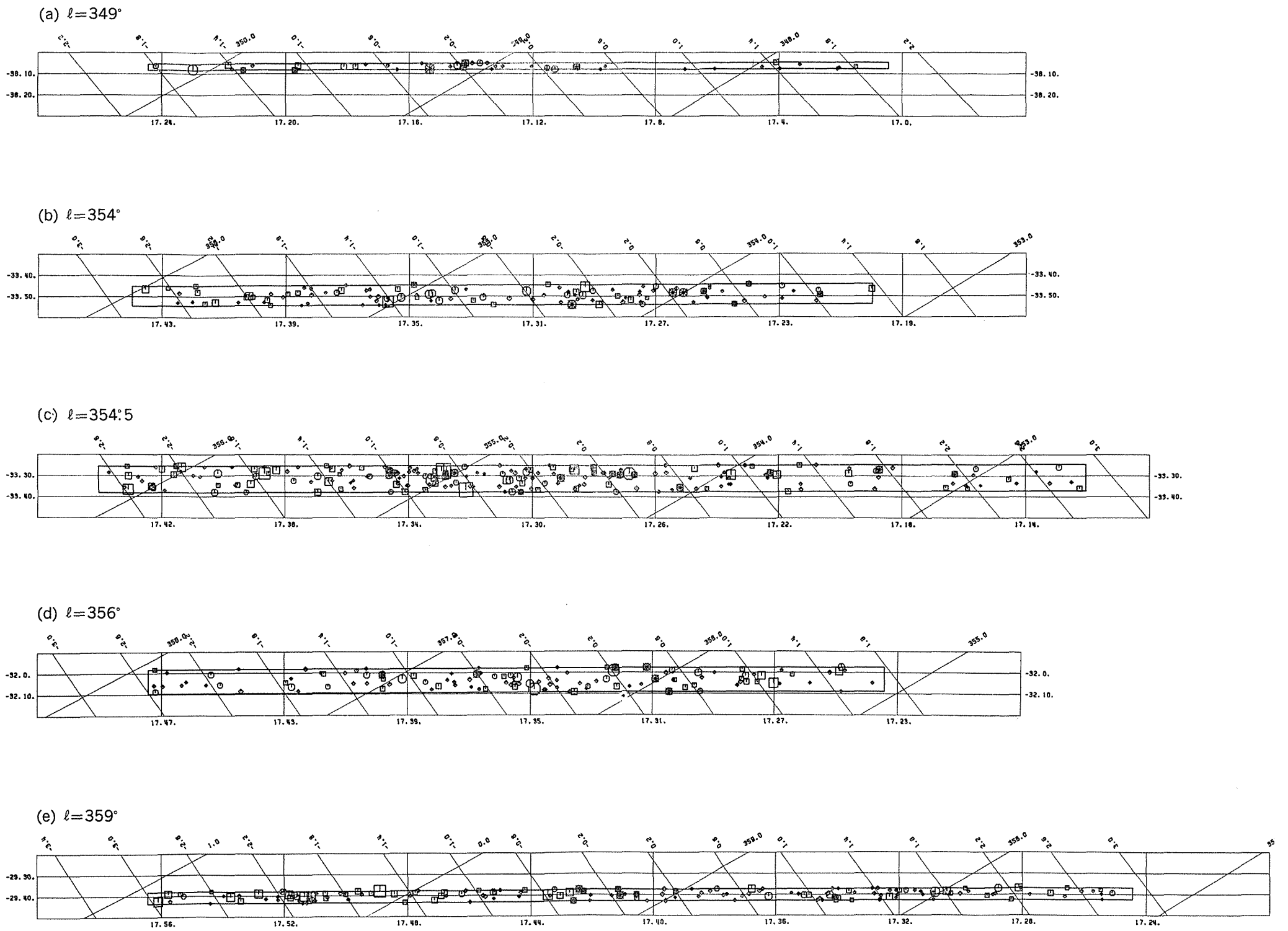
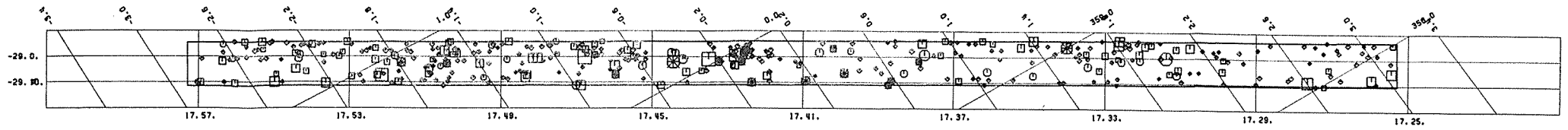
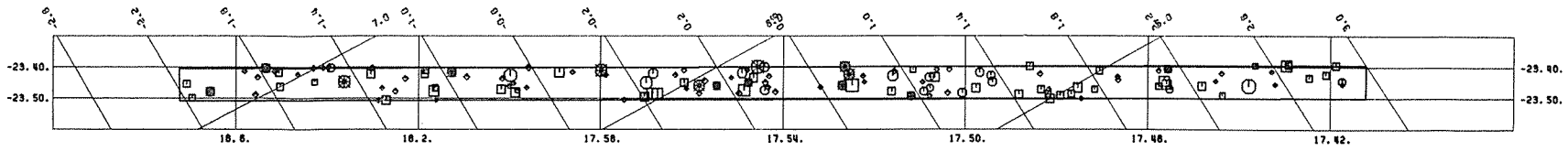


Fig. 1. Distribution of the sources in the field at (a) $l=349^\circ$, (b) $l=354^\circ$, (c) $l=354.5^\circ$, (d) $l=356^\circ$, (e) $l=359^\circ$, (f) $l=0^\circ$, (g) $l=6^\circ$, (h) $l=10.5^\circ$, (i) $l=21.5^\circ$, (j) $l=24^\circ$, (k) $l=26^\circ$, (l) $l=27^\circ$, (m) $l=28^\circ$, (n) $l=30^\circ$, (o) $l=35^\circ$, (p) $l=40^\circ$, and (q) $l=45^\circ$.

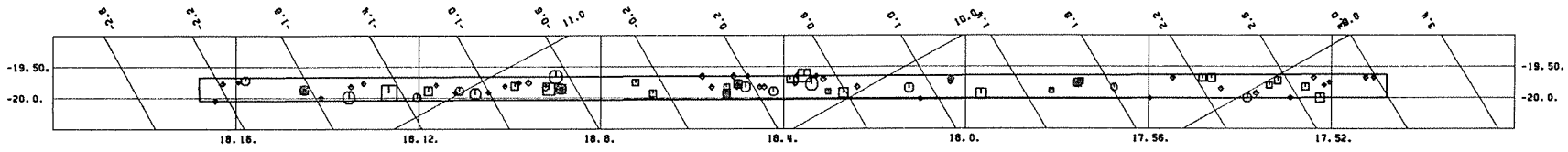
(f) $l=0^\circ$



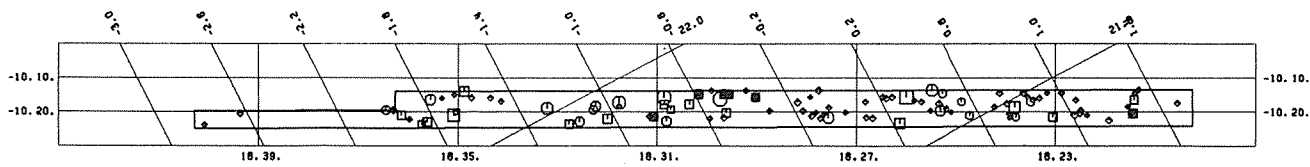
(g) $l=6^\circ$



(h) $l=10:5$



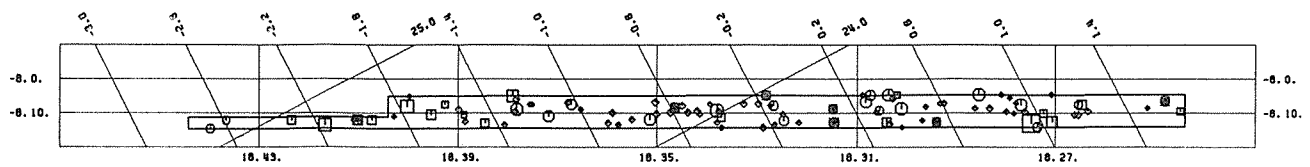
(i) $l=21:5$



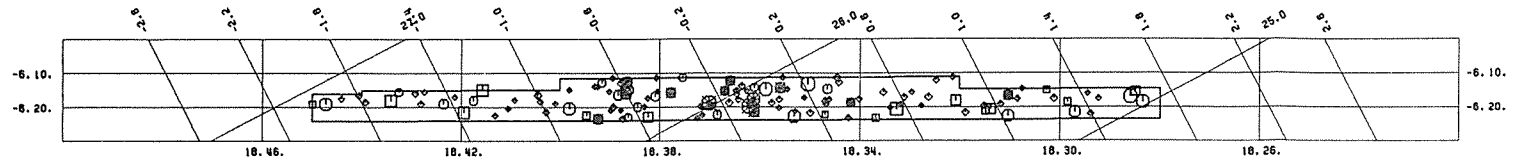
- H-K<0.6
- 0.6≤H-K<0.9
- ⊠ 0.9≤H-K
- ◇ UNCLASSIFIED

- 1.0-KMAG
- 2.0-KMAG
- 3.0-KMAG
- 4.0-KMAG
- 5.0-KMAG
- 6.0-KMAG
- 6.5-KMAG

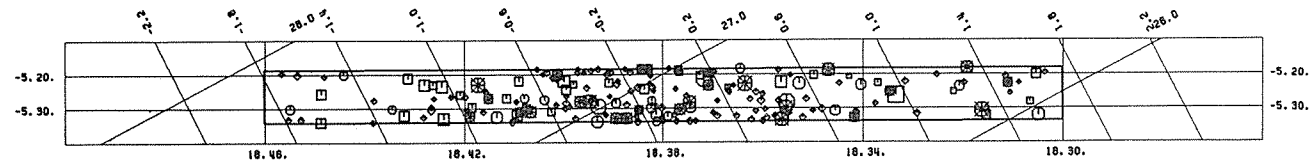
(j) $l=24^\circ$



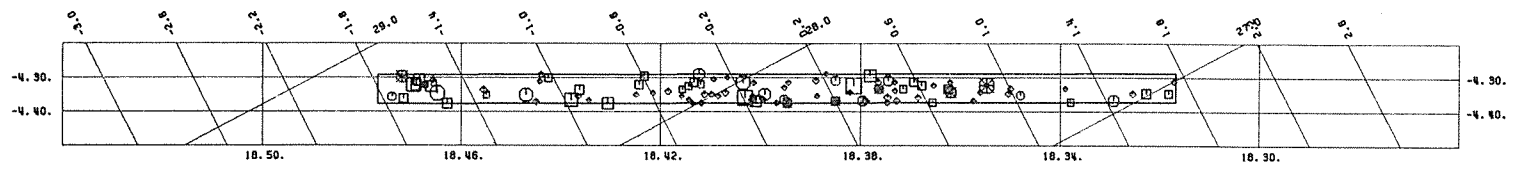
(k) $\ell=26^\circ$



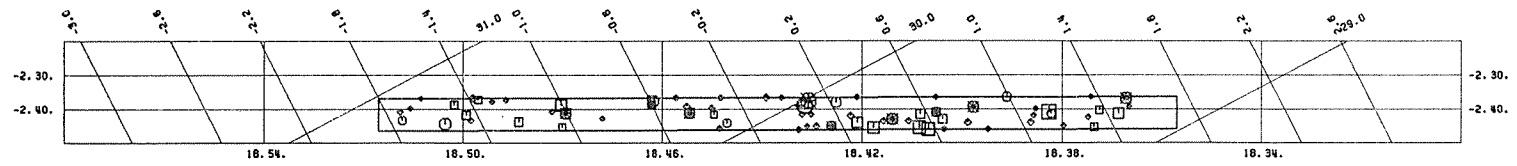
(l) $\ell=27^\circ$



(m) $\ell=28^\circ$



(n) $\ell=30^\circ$



□ H-K<0.6

○ 0.6≤H-K<0.9

■ 0.9≤H-K

◇ UNCLASSIFIED

⊖ 1.0-KMAG

⊖ 2.0-KMAG

⊖ 3.0-KMAG

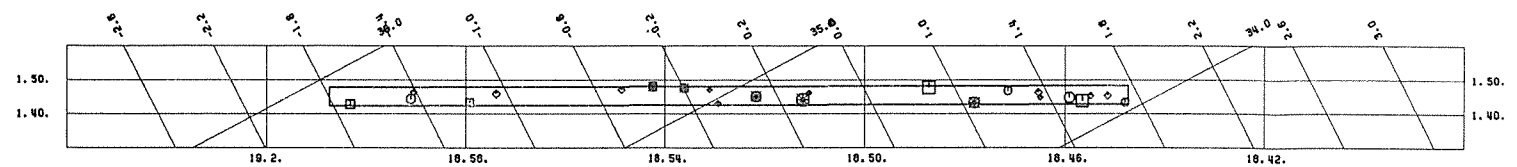
⊖ 4.0-KMAG

⊖ 5.0-KMAG

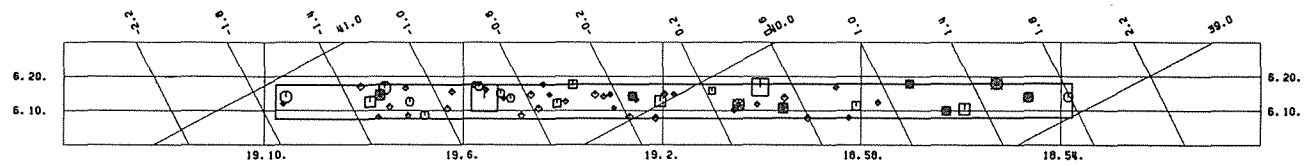
⊖ 6.0-KMAG

⊖ 6.5-KMAG

(o) $\ell=35^\circ$



(p) $\ell=40^\circ$



- H-K<0.6
- 0.6≤H-K<0.9
- 0.9≤H-K
- ◇ UNCLASSIFIED

- 1.0-KMAG
- 2.0-KMAG
- 3.0-KMAG
- 4.0-KMAG
- 5.0-KMAG
- 6.0-KMAG
- 6.5-KMAG

(q) $\ell=45^\circ$

