

IDENTIFICATION CHARTS OF PHL OBJECTS IV.
PLATE CENTERED AT 22^h 30^m AND -11.5°

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RESUMEN

Se sigue la presentación de las cartas de identificación de los objetos descubiertos por Haro y Luyten, en placas obtenidas con la cámara Schmidt de Monte Palomar, en dirección del polo sur galáctico.

ABSTRACT

We present another set of identification charts of the list of blue stars discovered by Haro & Luyten on Palomar Schmidt plates, in the direction of South Galactic Pole (PHL).

Key words: STARS-BLUE - QUASARS

This is a continuation of the extensive survey for blue, objects in direction of the South Galactic Pole (PHL). In this work we present the fourth of a series of identification charts of the blue PHL objects (Palomar Haro Luyten). Previous set of charts were presented by Haro & Chavira (1987) and Chavira (1988, 1990).

In Figures 1 to 12, we are presenting the corresponding identification charts for the blue stellar objects in the PHL field centered at 22^h 30^m and -11.5° (1950), from the catalog by Haro & Luyten (1962). In all cases, north is at the top and west at the right; the charts are copies of the red plate of the Palomar-National Geographic Survey. It must be noted that a considerable overlap exists among the figures.

The objects were identified in three-image plates obtained with the Palomar 48-inch Schmidt camera, as described by Haro & Luyten (1962); the details of the colors of the different images obtained with the Tonantzintla method appear in Haro & Herbig (1955). This technique has also been used by Iriarte & Chavira (1957) and Chavira (1958, 1959) for the selection of blue stars in the galactic poles.

In Tables 1, 2 and 3, we list stars from the survey, grouped as follows: very definitely blue stars, blue stars and bluish or white stars. In our tables we give PHL numbers, equatorial coordinates for 1950, (with approximate errors, ± 6^s in right ascension, and ± 1' in declination), galactic coordinates, magnitudes and estimated B-V and U-B colors. The last column in each of the mentioned tables

TABLE 1										
VERY DEFINITELY BLUE STARS										
PHL	R.A. (1950)	Dec.	<i>l</i>	<i>b</i>	<i>m</i> _{pg}	<i>B-V</i>	<i>U-B</i>	Fig.		
224	22 17.3	-08 53	53.0	-49.7	15.3	-0.2	-0.3	3		
225	17.7	-09 48	51.9	-50.3	17.8	-0.2	-0.2	3		
230	18.4	-11 27	49.8	-51.3	17.2	-0.1	-0.3	2		
235	19.0	-13 44	46.7	-52.5	18.3	-0.2	-0.5	1		
238	19.4	-09 42	52.4	-50.6	17.8	-0.2	-0.3	3		
239	19.5	-12 36	48.4	-52.1	17.7	-0.2	-0.4	1		
241	20.0	-08 43	53.8	-50.2	16.9	-0.2	-0.3	3		
242	20.0	-08 43	53.8	-50.2	17.8	-0.1	-0.3	3		
257	22.9	-11 39	50.4	-52.3	16.4	-0.3	-0.5	2		
260	23.0	-10 42	51.8	-51.9	18.9	-0.1	-0.3	2		
261	23.2	-10 14	52.5	-51.7	16.6	-0.2	-0.5	3		
262	23.4	-12 44	49.0	-53.0	17.4	-0.2	-0.5	1		
264	23.6	-09 00	54.2	-51.1	17.2	-0.2	-0.3	3		
265	23.6	-12 00	50.1	-52.7	18.7	-0.2	-0.3	2		
269	23.9	-08 36	54.8	-50.9	19.0	-0.2	-0.3	3,6		
271	24.2	-13 09	48.5	-53.4	18.4	-0.1	-0.3	4		
274 ^a	24.6	-09 45	53.4	-51.7	16.6	-0.2	-0.3	6		
278	25.6	-11 59	50.5	-53.1	18.8	-0.2	-0.2	5		
281	26.0	-10 05	53.3	-52.2	17.2	-0.2	-0.3	6		
284	26.6	-09 04	54.8	-51.8	18.9	-0.2	-0.2	6		
288	26.9	-13 24	48.7	-54.1	17.4	-0.2	-0.2	4		
296	28.5	-08 24	56.1	-51.8	18.0	-0.2	-0.3	6		
298	28.9	-14 38	47.2	-55.0	17.8	-0.1	-0.3	4		
300	29.2	-10 25	53.5	-53.0	18.2	-0.2	-0.2	8,9		
301	29.2	-11 10	52.4	-53.4	17.2	-0.2	-0.2	5,8		
303	29.4	-08 21	56.4	-51.9	18.9	-0.2	-0.3	6,9		
305	29.9	-12 02	51.3	-54.0	18.8	-0.2	-0.3	5,8		
307	30.3	-08 56	55.8	-52.4	17.9	-0.2	-0.4	6		
308	30.3	-11 17	52.5	-53.7	18.2	-0.2	-0.3	5		
309	30.3	-12 37	50.5	-54.4	17.9	-0.2	-0.3	7		
312	30.7	-10 38	53.5	-53.5	16.7	-0.2	-0.5	8		
313	30.7	-11 44	51.9	-54.0	17.9	-0.1	-0.3	8		
315	30.9	-12 31	50.8	-54.5	16.1	-0.2	-0.5	7		

TABLE 1 (CONTINUED)

PHL	R.A. (1950)			Dec.	l	b	m_{pg}	$B-V$	$U-B$	Fig.
321	32.4	−10	27	54.1	−53.7	18.3	−0.2	−0.3	8,9	
322	32.8	−12	46	50.8	−55.0	18.0	−0.1	−0.3	7	
325	33.1	−08	26	57.1	−52.7	18.5	−0.2	−0.3	9	
336	33.8	−12	54	50.8	−55.3	18.7	−0.2	−0.2	7	
339	34.2	−08	38	57.1	−53.1	18.6	−0.2	−0.3	9	
344	34.8	−09	34	55.9	−53.7	18.3	−0.2	−0.3	12	
347	35.0	−13	34	50.1	−55.9	18.4	−0.2	−0.2	10	
348	35.0	−14	40	48.3	−56.4	17.4	−0.2	−0.4	10	
351	35.6	−11	55	52.7	−55.2	17.9	−0.2	−0.4	11	
352	35.6	−14	32	48.7	−56.4	18.1	−0.1	−0.3	10	
355	35.8	−10	05	55.4	−54.2	17.4	−0.2	−0.4	12	
371	38.0	−09	02	57.4	−54.1	18.6	−0.1	−0.3	12	
377	39.8	−13	34	51.1	−56.9	18.3	−0.2	−0.2	10	
379	40.0	−10	40	55.6	−55.4	18.6	−0.2	−0.2	11	
381	40.2	−13	33	51.2	−56.9	16.6	−0.1	−0.3	10	
388	40.6	−09	02	58.1	−54.6	18.7	−0.1	−0.3	12	
389	40.6	−14	39	49.5	−57.6	18.1	−0.1	−0.3	10	

^a Close to a blue galaxy.

TABLE 2

BLUE STARS

PHL	R.A. (1950) Dec.				<i>l</i>	<i>b</i>	<i>m</i> _{pg}	<i>U</i> − <i>B</i>	Fig.
1825	22	17.0	−13	00	47.4	−51.7	18.4	−0.2	1
1828		17.6	−08	41	53.4	−49.7	17.5	−0.3	3
1829		17.8	−12	15	48.6	−51.6	17.9	−0.2	1,2
1832		18.1	−10	38	50.9	−50.8	18.2	−0.2	2
1836		18.4	−11	36	49.6	−51.4	18.7	−0.2	2
1838		18.5	−09	21	52.7	−50.2	18.0	−0.2	3
1839		18.5	−10	16	51.5	−50.7	17.8	−0.3	3
1840		18.6	−12	45	48.0	−52.0	17.6	−0.2	1
1841 ^a		18.6	−10	42	50.9	−51.0	18.5	−0.2	2
1842		19.0	−12	48	48.0	−52.1	17.0	−2.0	1
1844		19.0	−12	44	48.1	−52.0	18.4	−0.2	1
1845		19.0	−12	48	48.0	−52.1	18.9	−0.3	1
1846		19.2	−14	14	46.0	−52.8	17.8	−0.2	1
1849		19.3	−08	37	53.8	−50.0	13.8	−0.2	3
1850		19.3	−10	42	51.0	−51.1	18.2	−0.2	2
1853		19.5	−09	08	53.2	−50.3	18.0	−0.2	3
1854		19.5	−09	34	52.6	−50.6	18.5	−0.3	3
1855		19.6	−13	20	47.4	−52.5	18.2	−0.2	1
1856		19.6	−12	32	48.5	−52.1	18.7	−0.3	1
1857		19.7	−09	56	52.1	−50.8	17.2	−0.2	3
1858		19.8	−12	52	48.1	−52.3	18.2	−0.2	1
1860		19.8	−13	13	47.6	−52.4	18.3	−0.3	1
1862		20.0	−12	14	49.0	−52.0	17.7	−0.2	2
1863		20.0	−12	40	48.4	−52.2	18.2	−0.2	1
1866		20.4	−12	48	48.3	−52.4	18.7	−0.2	1
1867		20.6	−09	10	53.4	−50.6	18.6	−0.2	3
1868		20.6	−12	20	49.0	−52.2	18.0	−0.3	2
1869		20.8	−10	44	51.3	−51.4	18.8	−0.3	2
1870		20.9	−12	54	48.2	−52.5	18.9	−0.2	1
1871		20.9	−13	46	47.0	−52.9	18.8	−0.2	1
1873	•	21.2	−13	41	47.2	−53.0	18.2	−0.3	1
1874		21.3	−10	20	51.9	−51.3	17.0	−0.3	3
1878		22.0	−09	10	53.6	−50.9	17.8	−0.2	3
1881		22.3	−10	30	51.9	−51.6	17.8	−0.3	2
1882		22.5	−09	37	53.2	−51.2	18.0	−0.2	3

TABLE 2 (CONTINUED)

PHL	R.A. (1950)			Dec.	<i>l</i>	<i>b</i>	<i>m</i> _{pg}	<i>U</i> − <i>B</i>	Fig.
1883	22.6	−11	27	50.6	−52.2	18.4	−0.3	2	
1886	22.7	−08	46	54.3	−50.8	16.2	−0.2	3	
1887	22.8	−13	21	47.9	−53.1	18.2	−0.2	1	
1889	23.0	−11	28	50.7	−52.3	18.9	−0.2	2	
1890	23.0	−11	22	50.8	−52.2	18.6	−0.2	2	
1891	23.2	−14	18	46.6	−53.7	18.2	−0.2	1	
1893	23.3	−11	05	51.3	−52.1	18.8	−0.3	2	
1896	23.7	−10	01	52.9	−51.7	18.9	−0.9	3	
1897	23.9	−08	34	54.9	−50.9	16.0	−0.2	3	
1903	24.4	−12	44	49.2	−53.2	18.5	−0.2	4	
1905	24.6	−10	00	53.1	−51.8	18.5	−0.2	6	
1907	25.2	−11	22	51.3	−52.7	18.4	−0.2	5	
1909	25.2	−11	40	50.9	−52.8	18.3	−0.3	5	
1911	25.4	−13	48	47.8	−53.9	18.7	−0.2	4	
1912	25.4	−09	03	54.5	−51.5	18.4	−0.2	6	
1915	25.6	−13	43	47.9	−53.9	17.9	−0.2	4	
1920	26.2	−12	25	50.0	−53.4	18.9	−0.2	4	
1923	26.2	−13	30	48.4	−53.9	18.3	−0.2	4	
1924	26.3	−14	16	47.2	−54.3	17.2	−0.3	4	
1932	26.8	−12	35	49.9	−53.6	18.4	−0.2	4	
1933	26.8	−10	06	53.4	−52.4	16.9	−0.3	5	
1934	27.1	−12	58	49.4	−53.9	18.5	−0.3	4	
1938	27.7	−10	14	53.4	−52.6	18.3	−0.2	5	
1939	27.8	−09	00	55.1	−52.0	17.6	−0.2	6	
1945	28.8	−12	43	50.1	−54.1	18.6	−0.3	4,7	
1946	28.9	−14	37	47.2	−55.0	18.0	−0.3	4	
1947	29.0	−11	02	52.6	−53.3	18.1	−0.2	5	
1948	29.0	−14	18	47.7	−54.9	18.1	−0.2	4	
1949	29.0	−11	22	52.1	−53.5	18.7	−0.3	5,8	
1950	29.2	−12	44	50.1	−54.2	18.8	−0.2	4,7	
1952	29.3	−09	59	54.1	−52.8	18.3	−0.2	6	
1955	29.6	−10	18	53.7	−53.0	18.7	−0.2	9	
1959	30.0	−12	18	50.9	−54.2	17.8	−0.2	5,8	
1962	30.2	−14	05	48.3	−55.1	18.5	−0.2	4,7	
1965	30.6	−09	42	54.8	−52.9	18.8	−0.2	6	
1968	30.8	−13	26	49.4	−54.9	18.1	−0.3	7	
1989	32.6	−12	06	51.8	−54.6	18.4	−0.2	8	
1992	32.6	−14	28	48.2	−55.8	18.3	−0.3	7	
1995	32.9	−13	51	49.2	−55.5	18.9	−0.3	7	
2000	34.2	−10	15	54.8	−54.0	18.6	−0.3	9	
2008	35.4	−13	38	50.1	−56.0	18.3	−0.2	10	
2008A	35.4	−13	38	50.1	−56.0	18.3	−0.2	10	
2011	35.7	−09	54	55.7	−54.1	17.9	−0.2	12	
2012	35.8	−09	12	56.7	−53.7	18.9	−0.2	12	
2013	35.8	−09	25	56.4	−53.8	18.7	−0.3	12	
2014	35.8	−11	11	53.9	−54.8	18.5	−0.3	11	
2015	36.0	−11	30	53.4	−55.0	18.0	−0.2	11	
2017	36.2	−11	46	53.1	−55.2	18.9	−0.2	11	
2020	36.4	−09	00	57.1	−53.7	18.9	−0.3	12	
2022	36.6	−10	00	55.7	−54.3	18.4	−0.3	12	
2028	37.0	−11	44	53.3	−55.3	18.8	−0.2	11	
2029	37.0	−13	20	50.9	−56.2	18.2	−0.2	10	
2033	37.8	−08	30	58.1	−53.7	17.9	−0.3	12	
2034	37.9	−13	45	50.4	−56.6	18.0	−0.2	10	
2037	38.7	−13	23	51.2	−56.5	18.1	−0.2	10	
2059	40.4	−11	02	55.1	−55.7	18.8	−0.3	11	
2063	41.3	−11	04	55.3	−55.9	17.8	−0.2	11	

^a Close to a weak galaxy.

TABLE 3
BLUISH OR WHITE STARS

HL	R.A. (1950) Dec.			<i>l</i>	<i>b</i>	<i>m_{pg}</i>	<i>U-V</i> Fig.		
023	22	16.3	-13	18	46.8	-51.7	17.8	-0.1	1
028		16.8	-11	32	49.4	-51.0	17.2	-0.1	2
029		17.0	-09	30	52.2	-50.0	18.0	0.0	3
030		17.0	-09	30	52.2	-50.0	17.5	-0.1	3
032		17.1	-11	40	49.3	-51.1	18.4	-0.1	2
034		17.5	-09	23	52.4	-50.0	18.4	-0.1	3
035		17.5	-08	27	53.6	-49.5	19.0	-0.1	3
036		17.8	-10	10	51.4	-50.5	17.4	-0.1	3
037		17.9	-10	29	51.0	-50.7	17.3	-0.1	3
039		18.1	-10	04	51.6	-50.5	17.4	-0.1	3
042		18.2	-12	24	48.4	-51.7	18.1	0.0	1
043		18.2	-09	50	52.0	-50.4	17.6	-0.1	3
044		18.2	-10	06	51.6	-50.6	17.8	-0.1	3
045		18.2	-08	53	53.2	-49.9	18.0	-0.1	3
046		18.2	-13	46	46.5	-52.4	18.1	-0.1	1
047		18.2	-14	20	45.7	-52.6	18.7	-0.1	1
048		18.3	-13	33	46.8	-52.3	17.9	0.0	1
050		18.4	-08	58	53.2	-50.0	18.2	-0.1	3
051		18.4	-08	58	53.2	-50.0	18.1	-0.1	3
055		18.7	-13	58	46.3	-52.6	17.8	0.0	1
057		19.0	-13	15	47.4	-52.3	16.6	0.0	1
061		19.2	-14	34	45.5	-52.9	17.7	-0.1	1
062		19.2	-13	04	47.7	-52.2	18.0	-0.1	1
064		19.3	-11	32	49.9	-51.5	17.0	-0.1	2
065		19.4	-10	24	51.5	-51.0	17.9	-0.1	3
068		19.6	-13	02	47.8	-52.3	16.4	-0.1	1
069		19.6	-12	40	48.3	-52.1	17.7	-0.1	1
070		19.6	-11	12	50.4	-51.4	18.0	-0.1	2
071		19.6	-12	35	48.4	-52.1	18.0	-0.1	1
072		19.6	-12	52	48.0	-52.2	18.5	-0.1	1
076		19.9	-10	24	51.6	-51.1	15.8	0.0	3
079		19.9	-12	08	49.1	-51.9	18.3	-0.1	2
081		20.0	-08	48	53.7	-50.2	17.8	0.0	3
083		20.0	-12	52	48.1	-52.3	17.9	-0.1	1
085		20.2	-13	26	47.3	-52.6	16.7	0.0	1
086		20.3	-08	38	54.0	-50.2	18.0	-0.1	3
087		20.4	-08	30	54.2	-50.2	15.9	0.0	3
088		20.4	-10	58	50.9	-51.5	18.4	0.0	2
090		20.4	-10	52	51.0	-51.4	17.7	-0.1	2
091		20.8	-10	00	52.3	-51.1	18.4	-0.1	3
095		21.0	-11	08	50.8	-51.7	17.5	-0.1	2
097		21.0	-09	44	52.7	-51.0	18.5	-0.1	3
098		21.0	-10	50	51.2	-51.5	18.7	-0.1	2
099		21.1	-11	39	50.1	-52.0	16.6	-0.1	2
106		21.7	-09	36	53.0	-51.0	17.8	-0.1	3
107		21.7	-11	04	51.0	-51.8	17.7	-0.1	2
110		21.8	-10	14	52.2	-51.4	18.0	-0.1	3
112		22.0	-09	30	53.2	-51.0	16.8	-0.1	3
113		22.0	-11	06	51.0	-51.9	16.6	-0.1	2
118		22.2	-08	26	54.7	-50.5	18.0	-0.1	3
125		22.7	-11	06	51.2	-52.0	18.2	0.0	2
127		22.8	-09	42	53.1	-51.3	18.6	-0.1	3
130		23.0	-09	49	53.0	-51.4	17.2	-0.1	3
135		23.2	-08	48	54.4	-50.9	18.7	-0.1	3
138		23.4	-11	14	51.1	-52.2	17.8	-0.1	2
143		23.8	-08	33	54.9	-50.9	17.2	-0.1	3
146		24.0	-09	09	54.1	-51.3	18.2	-0.1	6

TABLE 3 (CONTINUED)

PHL	R.A. (1950)	Dec.	<i>l</i>	<i>b</i>	<i>m_{pg}</i>	<i>U-V</i>	Fig.
5148	24.1	-10 27	52.3	-52.0	17.5	-0.1	6
5152	24.2	-14 04	47.2	-53.8	17.2	-0.1	4
5153	24.3	-11 22	51.1	-52.5	17.5	0.0	5
5158	24.4	-09 50	53.3	-51.7	17.0	-0.1	6
5161	24.5	-11 09	51.5	-52.4	17.8	-0.1	5
5162	24.6	-11 01	51.7	-52.4	15.8	0.0	5
5166	24.7	-08 48	54.7	-51.2	18.1	0.0	6
5171	24.9	-10 34	52.4	-52.2	17.8	0.0	5
5177	25.2	-12 30	49.7	-53.3	16.0	0.0	4
5182	25.2	-11 21	51.3	-52.7	18.7	-0.1	5
5183	25.3	-10 46	52.2	-52.4	17.6	-0.1	5
5185	25.4	-10 11	53.0	-52.1	18.0	-0.1	5
5186	25.4	-12 19	50.0	-53.2	18.6	-0.1	4
5189	25.6	-09 14	54.3	-51.6	16.6	-0.1	6
5195	25.8	-11 46	58.8	-53.0	17.6	-0.1	5
5198	25.9	-10 32	52.6	-52.4	18.5	0.0	5
5199	25.9	-11 44	50.9	-53.0	17.7	-0.1	5
5204	26.1	-12 06	50.4	-53.2	18.2	0.0	5
5209	26.4	-08 38	55.3	-51.5	17.9	0.0	6
5210	26.4	-10 02	53.4	-52.2	17.8	-0.1	6
5218	27.0	-11 07	52.0	-52.9	18.6	-0.1	5
5225	27.4	-08 50	55.3	-51.8	17.5	-0.1	6
5231	27.6	-10 08	53.5	-52.5	18.2	-0.1	5
5232	27.6	-11 38	51.4	-53.3	18.6	-0.1	5,8
5233	27.8	-10 59	52.4	-53.0	17.5	0.0	8
5234	27.8	-08 37	55.6	-51.8	18.2	-0.1	6
5237	28.0	-09 40	54.3	-52.4	18.1	-0.1	6
5238	28.1	-11 18	52.0	-53.3	17.4	-0.1	5
5240	28.2	-11 16	52.1	-53.3	17.5	0.0	5
5242	28.2	-10 00	53.8	-52.6	17.7	-0.1	6
5243	28.2	-09 42	54.3	-52.4	18.1	-0.1	6
5244	28.3	-14 16	47.6	-54.8	17.8	-0.1	4,7
5245	28.4	-12 54	49.7	-54.1	18.6	-0.1	4,7
5246	28.4	-09 03	55.2	-52.1	18.1	-0.1	6
5247	28.8	-08 49	55.6	-52.1	18.9	-0.1	6
5251	29.0	-09 50	54.3	-52.7	17.9	-0.1	6
5254	29.2	-11 14	52.3	-53.5	17.9	0.0	5,8
5255	29.2	-09 12	55.2	-52.4	17.2	-0.1	6
5262	29.4	-12 42	50.2	-54.2	17.7	-0.1	4,7
5270	29.8	-10 25	53.6	-53.2	17.0	-0.1	8,9
5271	29.9	-11 28	52.1	-53.7	17.8	-0.1	8
5272	30.0	-11 50	51.6	-53.9	18.3	0.0	5,8
5275	30.2	-11 38	52.0	-53.9	18.5	-0.1	5,8
5278	30.4	-10 04	54.2	-53.1	18.0	-0.1	6,9
5281	30.6	-13 08	49.8	-54.7	17.9	-0.1	7
5283	30.8	-10 10	54.2	-53.2	17.5	-0.1	6,9
5291 ^a	31.4	-12 25	51.1	-54.5	17.3	0.0	7
5292	31.4	-12 44	50.6	-54.7	17.8	-0.1	7
5299	31.7	-11 23	52.6	-54.1	18.5	0.0	8
5302	31.8	-11 56	51.9	-54.4	17.5	0.0	8
5303	31.8	-10 44	53.6	-53.7	18.4	0.0	8
5308	32.1	-12 52	50.5	-54.9	17.5	-0.1	7
5315	32.4	-12 46	50.7	-54.9	18.7	-0.1	7
5317	32.6	-09 12	55.9	-53.1	18.3	-0.1	9
5319	32.7	-11 49	52.2	-54.5	18.4	-0.1	8
5324	32.9	-10 39	54.0	-53.9	18.4	0.0	8
5326	33.0	-09 47	55.2	-53.5	18.8	-0.1	9
5327	33.1	-12 20	51.5	-54.8	17.9	0.0	8

TABLE 3 (CONTINUED)

PHL	R.A. (1950)	Dec.	<i>l</i>	<i>b</i>	<i>m_{pg}</i>	<i>U-V</i>	Fig
5328	33.2	-12 02	52.0	-54.7	17.8	-0.1	8
5330	33.4	-12 08	51.9	-54.8	17.8	0.0	8
5332	33.4	-09 16	56.0	-53.3	18.2	-0.1	9
5334	33.6	-08 33	57.1	-52.9	15.4	-0.1	9
5335	33.6	-11 06	53.5	-54.3	18.3	-0.1	8
5336	33.7	-10 04	55.0	-53.8	18.8	-0.1	8,9
5344	34.0	-09 30	55.8	-53.5	18.4	-0.1	9
5345	34.2	-09 47	55.5	-53.7	17.9	-0.1	9
5349	34.7	-11 56	52.5	-55.0	18.2	-0.1	11
5350	34.9	-13 45	49.8	-55.9	18.3	-0.1	10
5351	35.0	-09 33	56.0	-53.7	17.9	0.0	12
5355	35.2	-12 31	51.7	-55.4	18.0	-0.1	10
5357	35.3	-11 14	53.7	-54.7	18.1	-0.1	11
5360	35.4	-13 03	51.0	-55.7	17.1	-0.1	10
5361	35.4	-11 06	53.9	-54.7	18.3	-0.1	11
5364	35.7	-13 55	49.7	-56.2	18.1	-0.1	10
5366	35.9	-12 14	52.3	-55.4	18.2	0.0	11
5377	36.6	-12 56	51.4	-55.9	18.2	-0.1	10
5381	36.7	-14 36	48.8	-56.7	18.2	-0.1	10
5384	37.2	-08 28	58.0	-53.6	16.9	0.0	12
5390	37.7	-13 27	50.8	-56.4	18.6	0.0	10
5395	38.2	-12 30	52.4	-56.0	17.8	-0.1	10
5399	38.4	-14 04	50.0	-56.8	17.4	-0.1	10
5401	38.4	-10 34	55.4	-55.0	18.3	-0.1	11
5402A	38.4	-12 33	52.4	-56.1	18.3	-0.1	10
5402	38.4	-12 34	52.4	-56.1	18.5	-0.1	10
5404	38.6	-09 58	56.3	-54.7	18.8	0.0	12
5408	38.9	-08 58	57.8	-54.2	18.4	-0.1	12
5409	39.0	-09 44	56.7	-54.7	17.3	-0.1	12
5410	39.2	-10 36	55.5	-55.2	18.6	-0.1	11
5411	39.3	-12 28	52.7	-56.2	18.2	0.0	10
5416	39.8	-09 28	57.3	-54.7	17.9	-0.1	12
5417	39.8	-08 46	58.3	-54.3	18.5	-0.1	12
5418	39.9	-11 04	55.0	-55.6	17.1	-0.1	11
5422	40.2	-13 49	50.8	-57.1	17.7	0.0	10

TABLE 3 (CONTINUED)

PHL	R.A.(1950) Dec.	l	b	m_{pg}	$U-V$	Fig
5426	40.6 -10 30	56.0 -55.4	18.4	-0.1	11	
5428	40.8 -10 48	55.6 -55.6	18.1	0.0	11	
5432	41.2 -09 31	57.5 -55.0	17.8	-0.1	12	
5434	41.4 -14 23	50.1 -57.6	16.6	0.0	10	

^a SAO 165163.

gives the number of the figure (1 through 12) in which the different stars are marked. The figures cover the whole field of the corresponding Mount Palomar Schmidt data.

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Enrique Chavira: Instituto Nacional de Astrofísica, Óptica y Electrónica, Apartado Postal 51 y 216, 7200 Puebla, Pue., México.

IDENTIFICATION CHARTS OF PHL OBJECTS

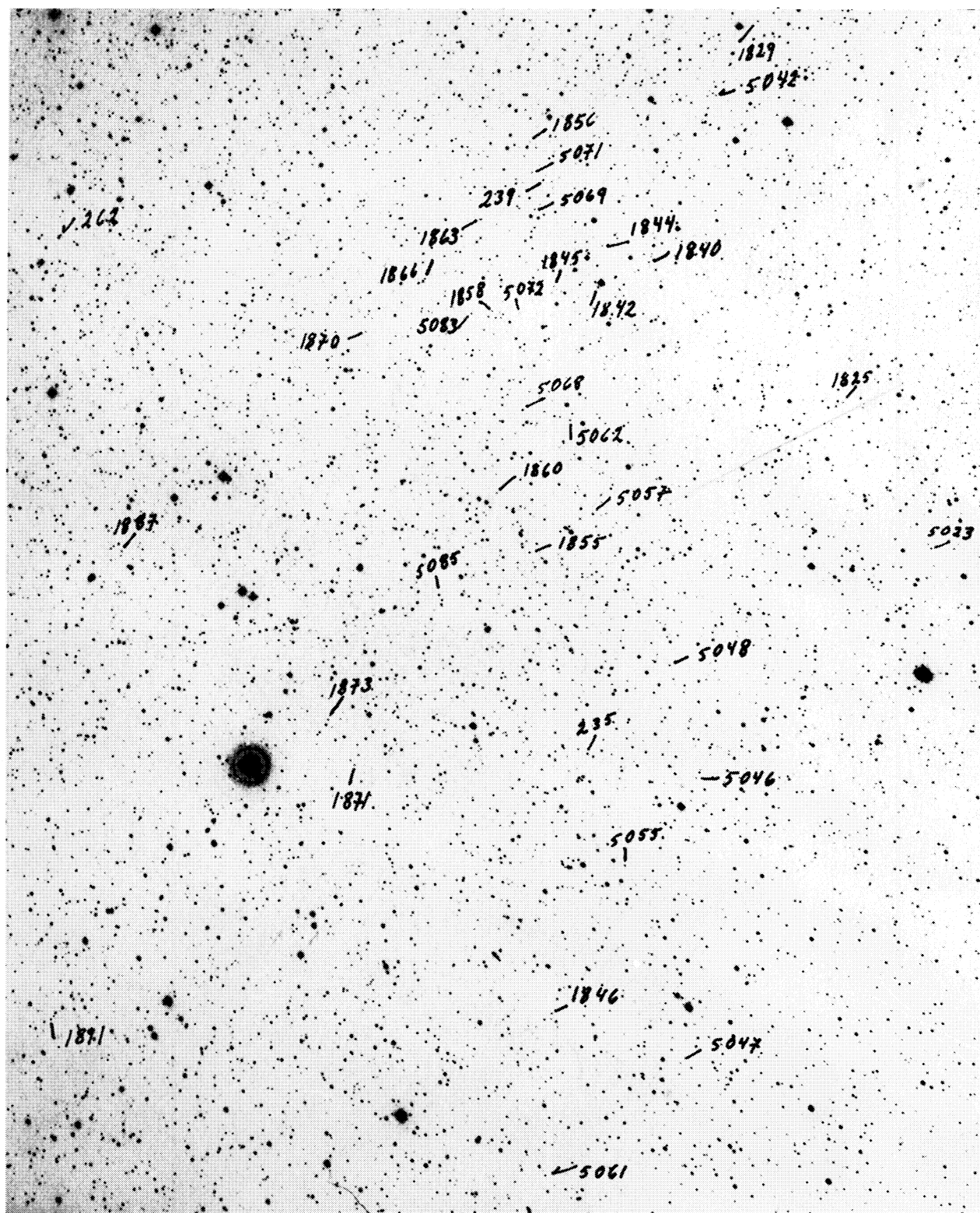


Fig. 1. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

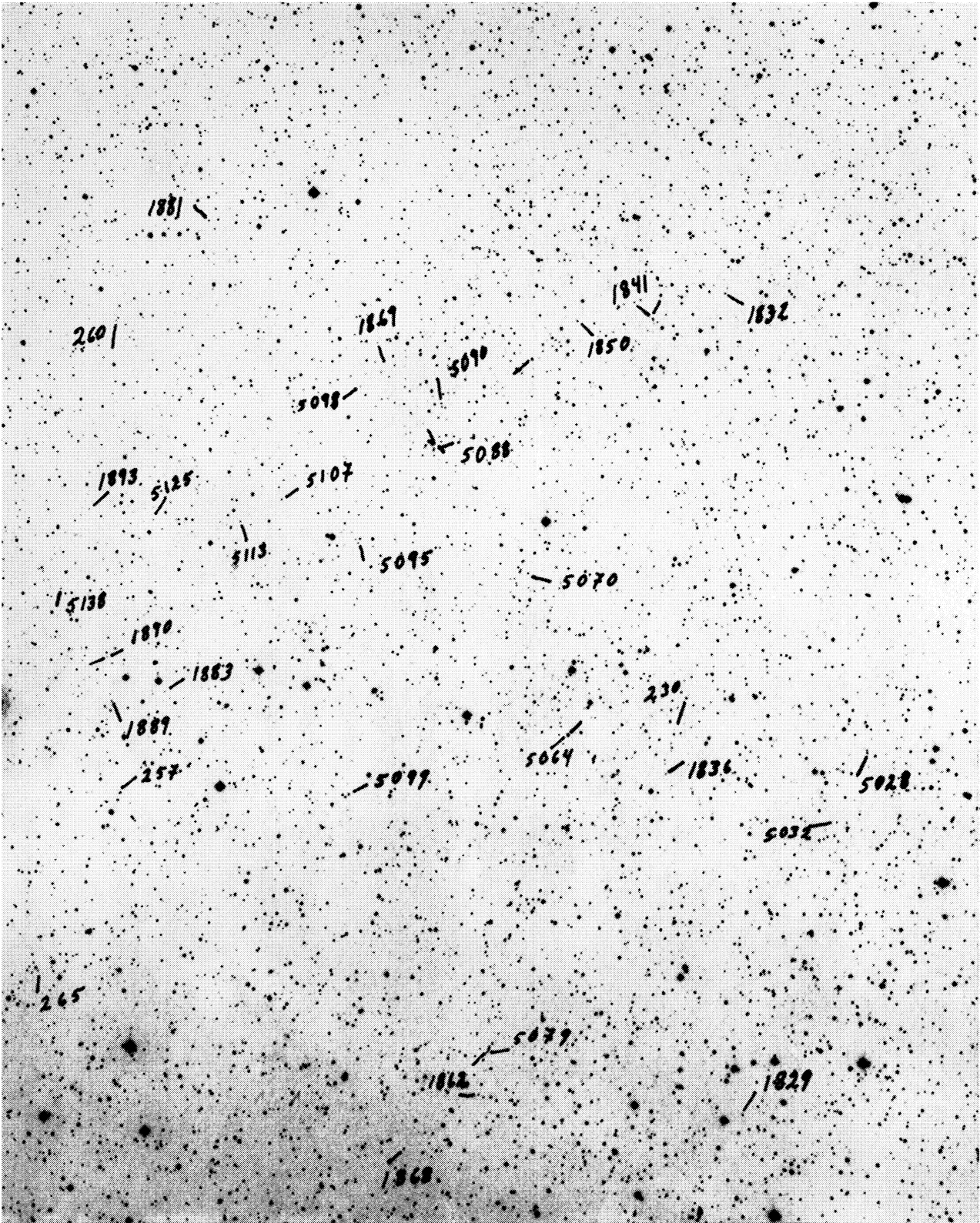


Fig. 2. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

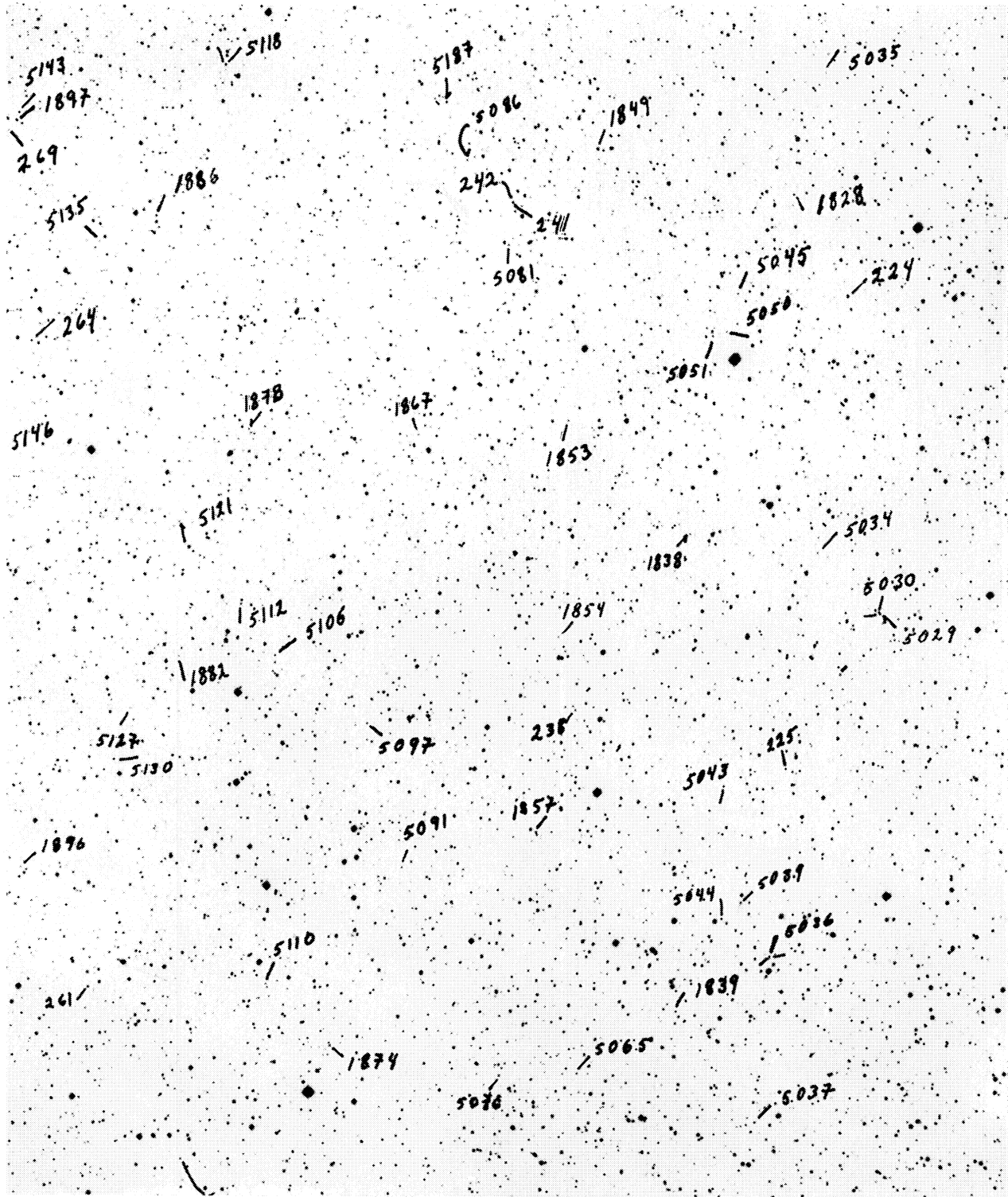


Fig. 3. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

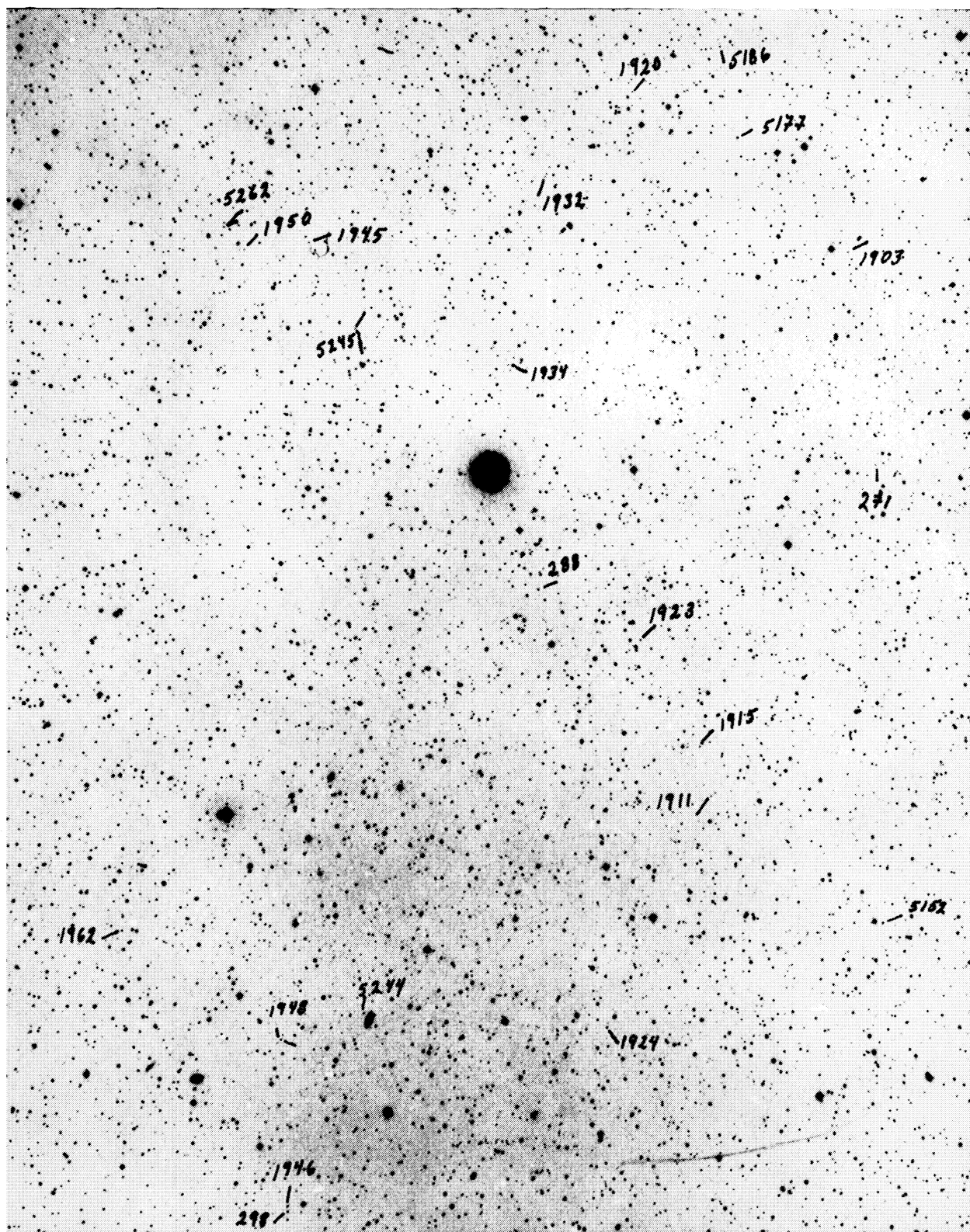


Fig. 4. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

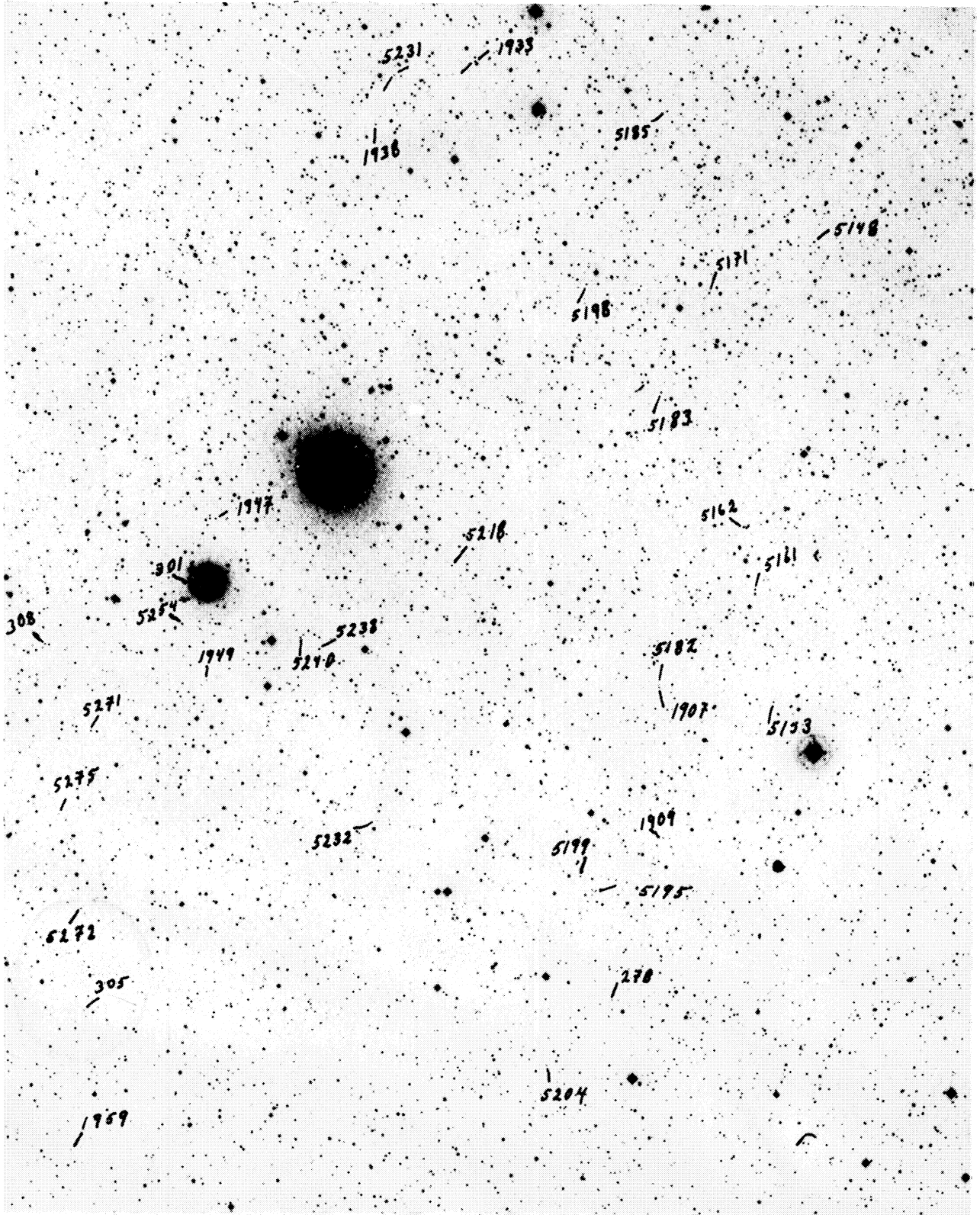


Fig. 5. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

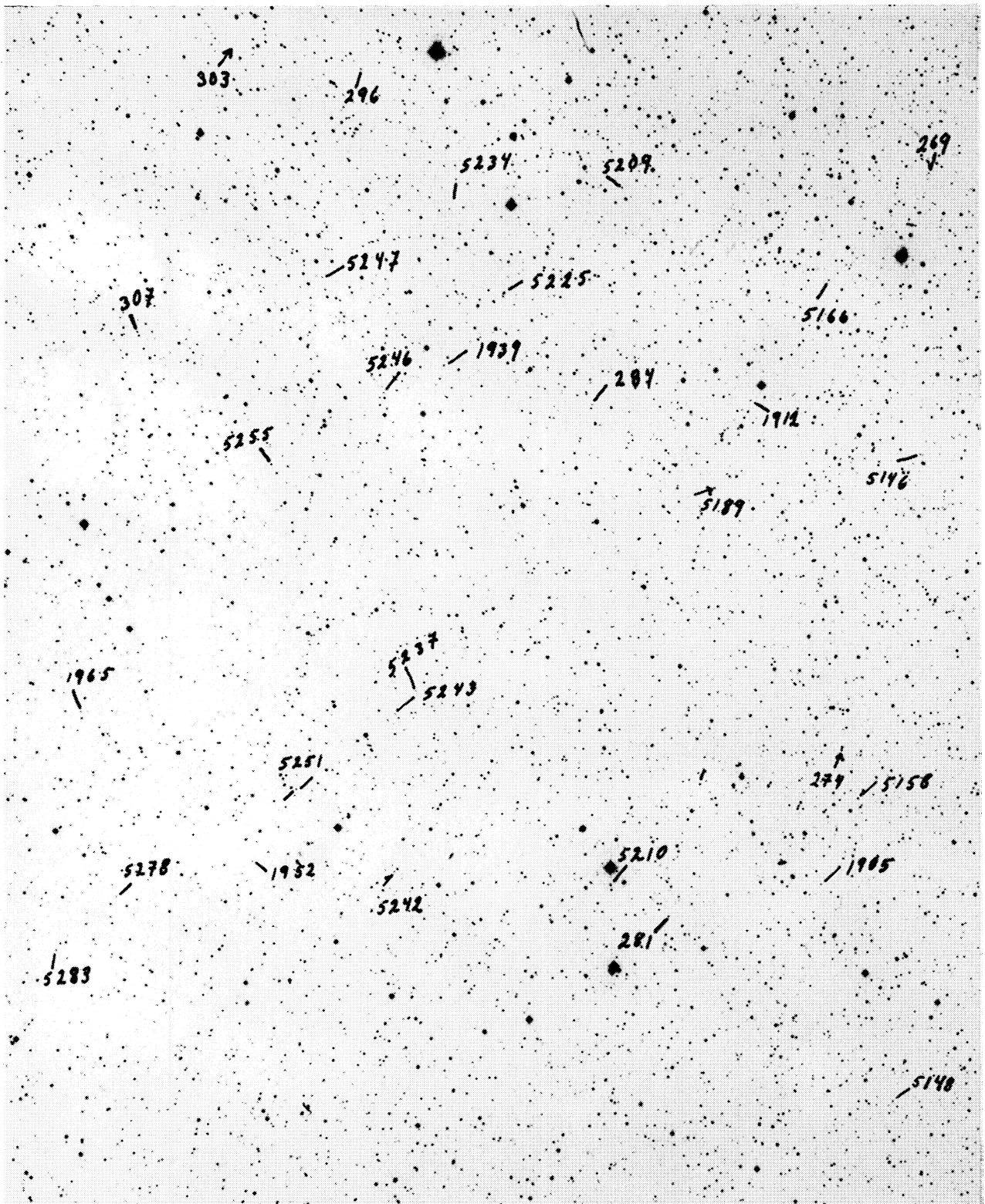


Fig. 6. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

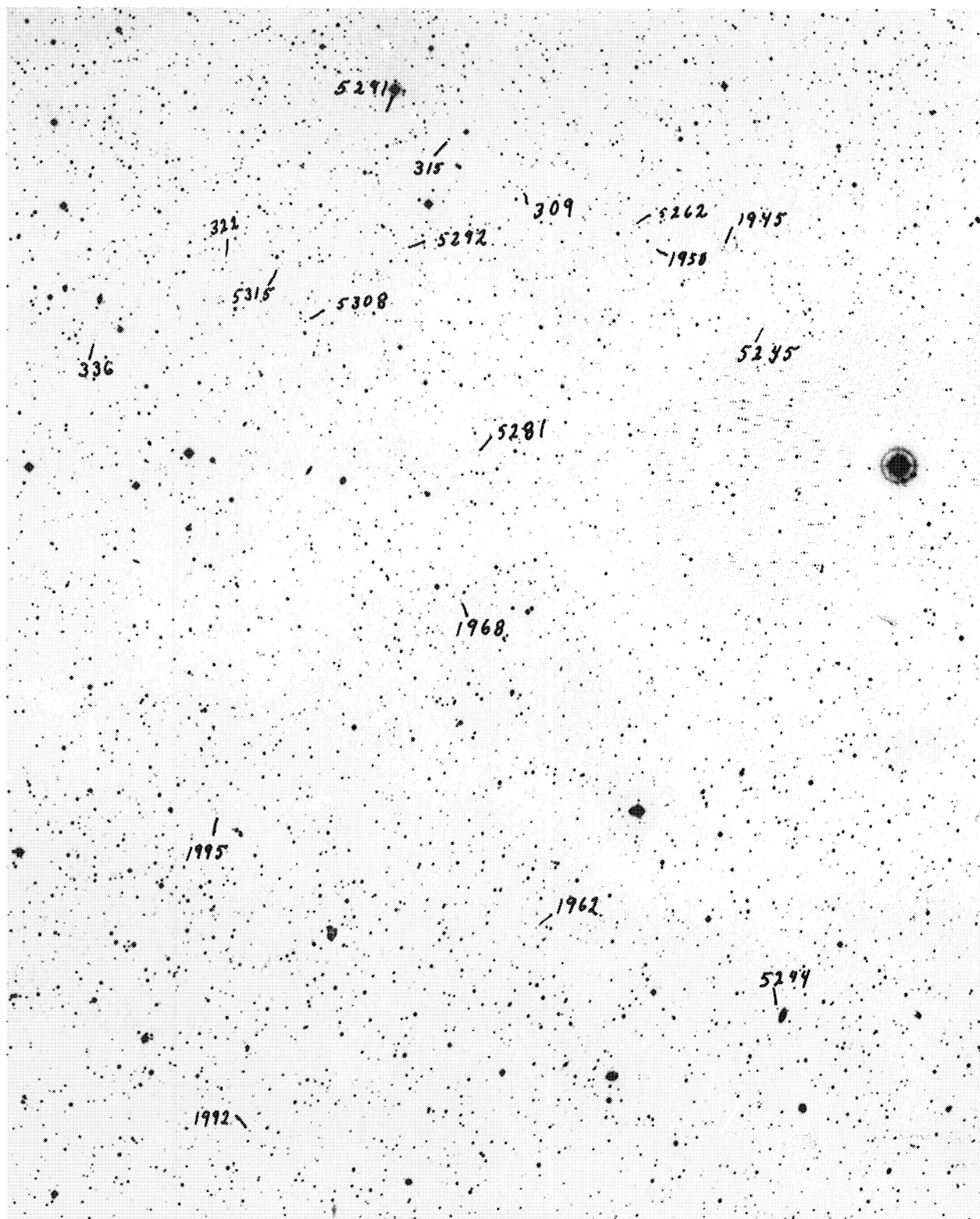


Fig. 7. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

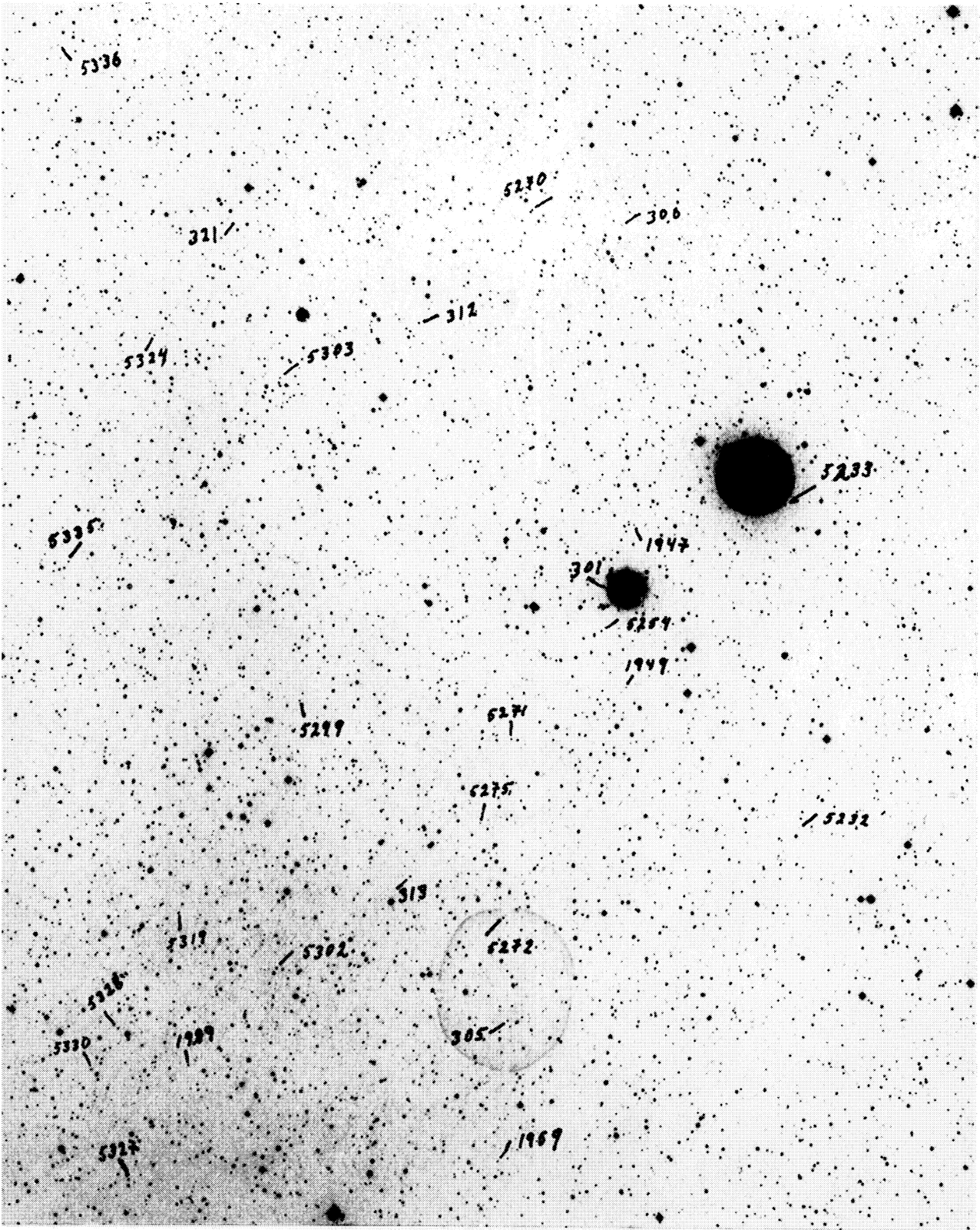


Fig. 8. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

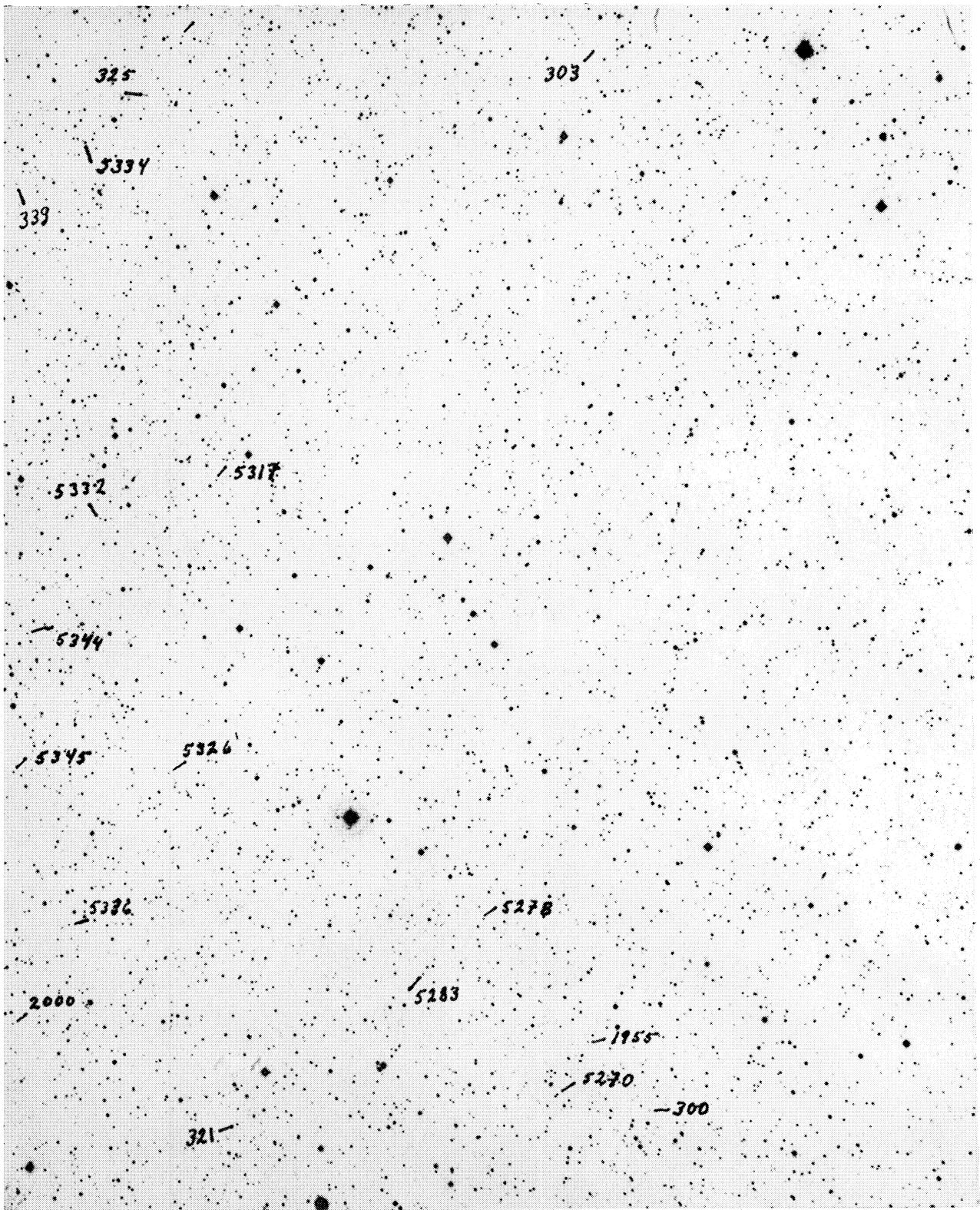


Fig. 9. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

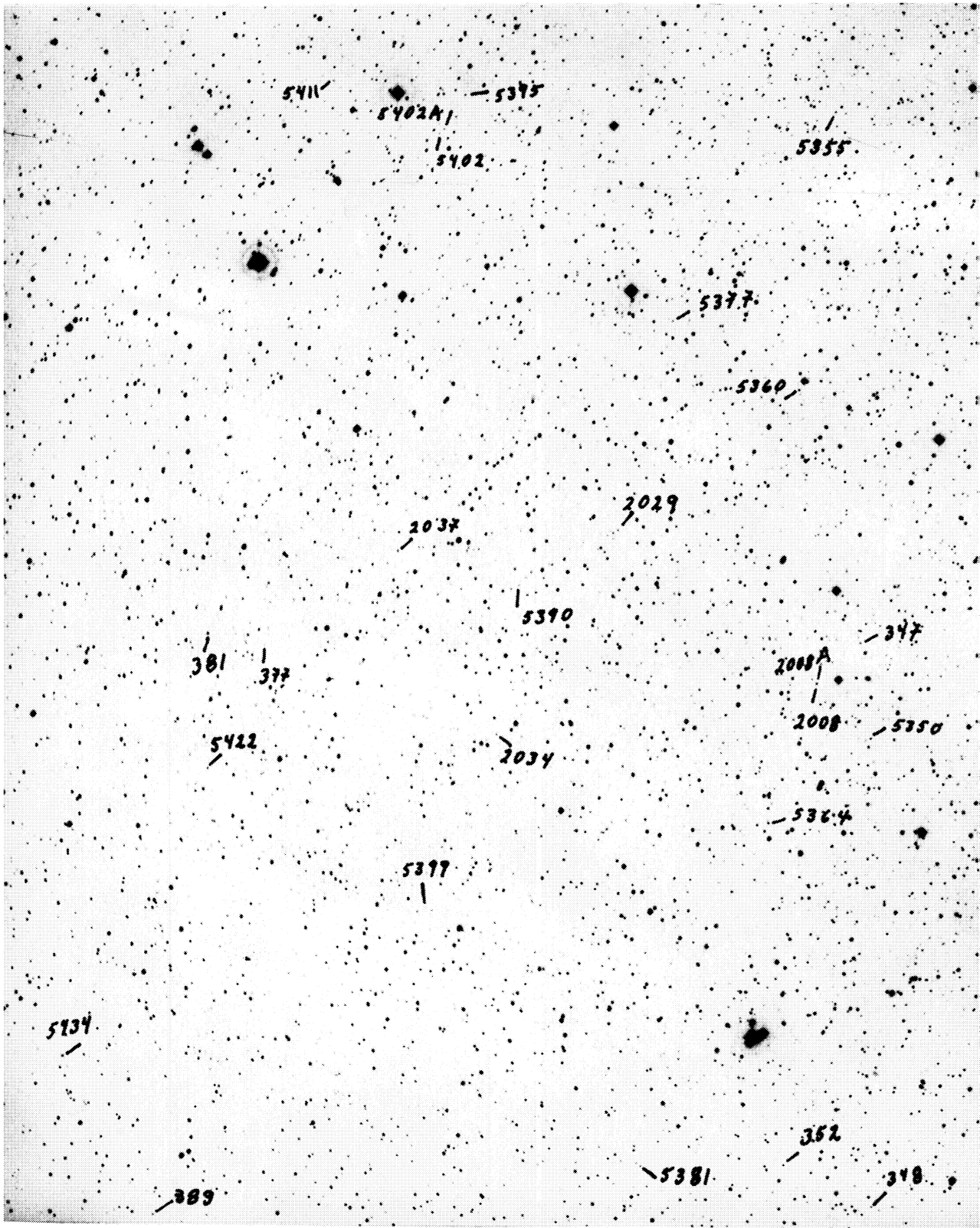


Fig. 10. Identification charts.

CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

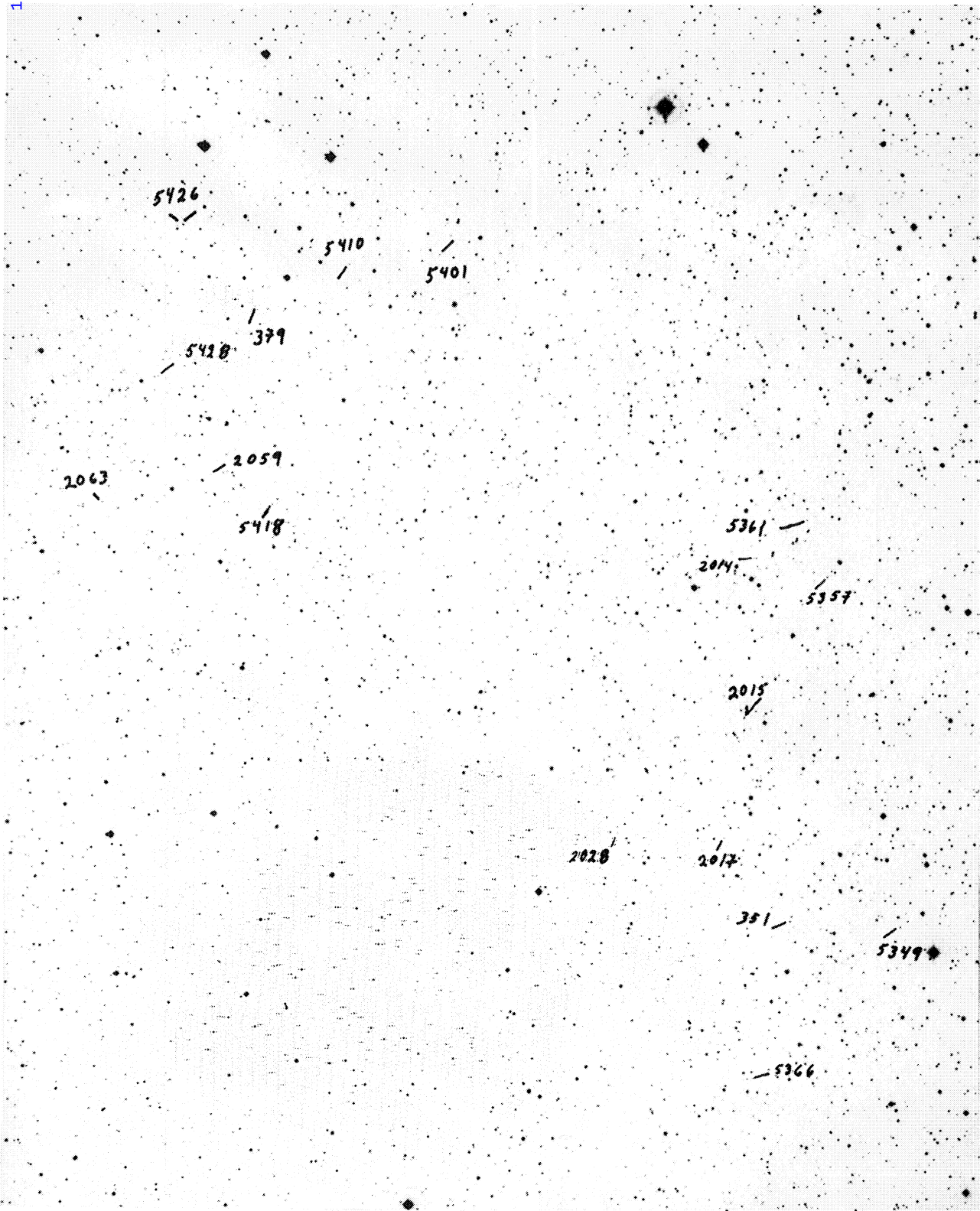


Fig. 11. Identification charts.
CHAVIRA (See page 139)

IDENTIFICATION CHARTS OF PHL OBJECTS

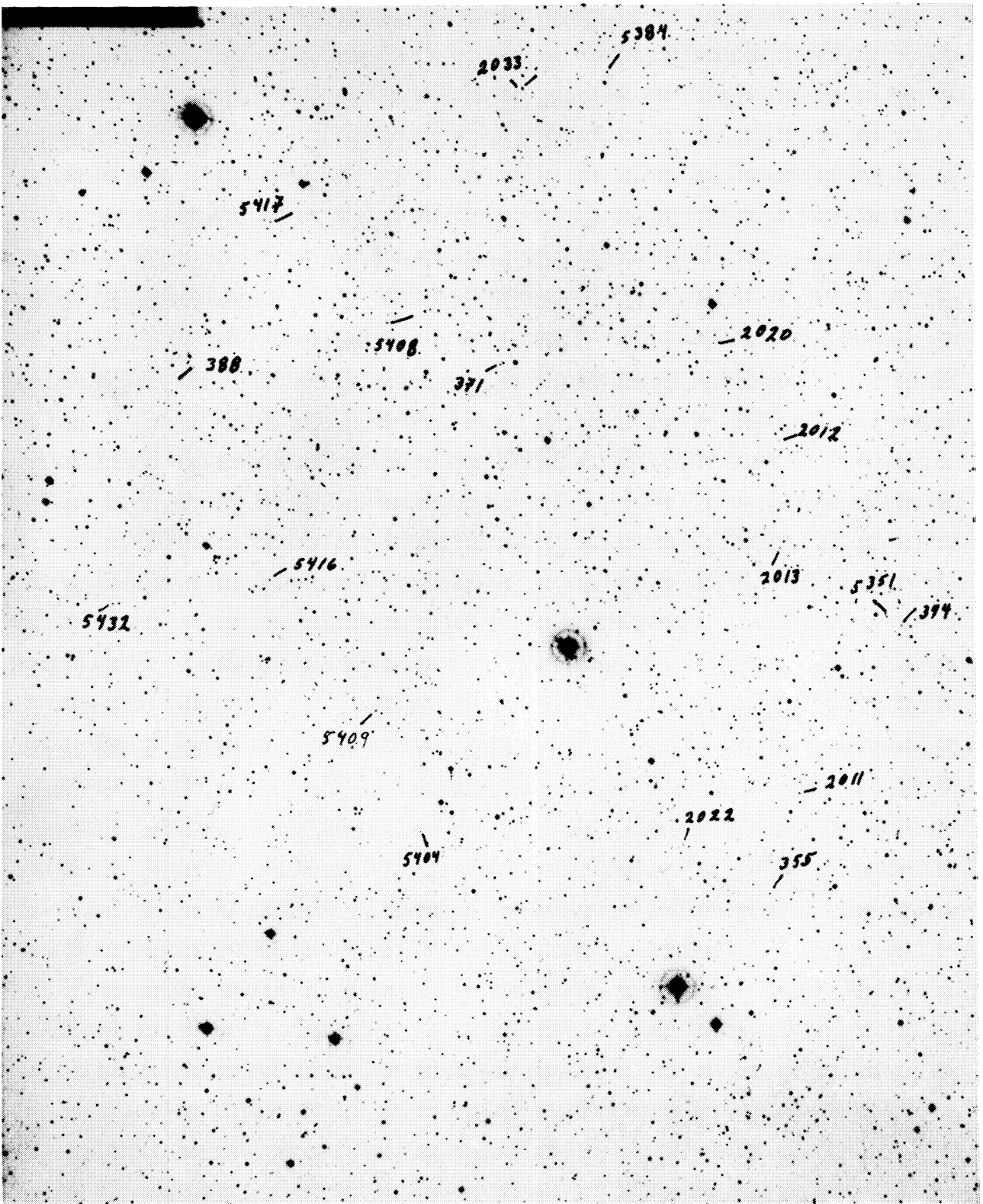


Fig. 12. Identification charts.

CHAVIRA (See page 139)