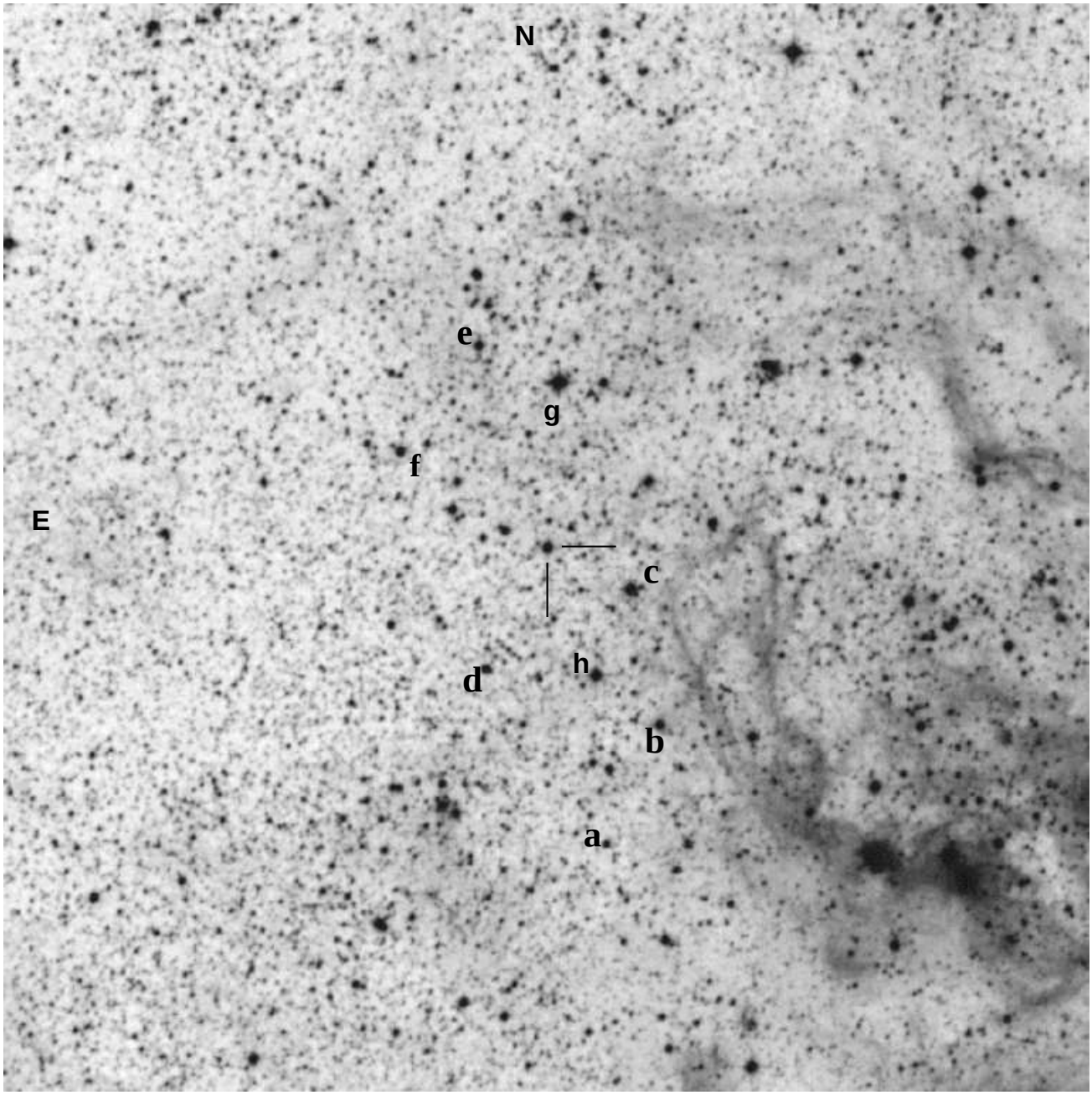
LPH053, AUID 000-BJP-527 (J0541.4-6936, Sk -69 271, GSC 09167-00578)



J0541.4-6936: $05^h41^m20^s.15$ -69°36′23″.3 (J2000) V=12.3
15m (1/4°) sq field — Dorado (LMC) near Tarantula Neb, Uranometria 445.
Position from: SIMBAD, B2 supergiant

Comparison and check star data. Revision [2009-09-07]

ID	RA	Dec	B	V	R	I
a	05 41 06.58	-69 40 22.1	14.18	13.72	12.58	10.34
b	05 40 59.85	-69 03 40.3	13.15	12.69	11.71	11.00
c	05 41 06.00	-69 36 54.0	12.16	11.66	11.17	10.76
d	05 41 28.00	-69 38 12.0	13.57	13.11	11.95	11.15
e	05 41 33.83	-69 33 41.5	12.98	12.53	11.08	10.17

Notes: Coordinates from Aladin. Use d as comparison star and note the comp magnitude and chart revision date when submitting data to the AAVSO international database. Do not use ensemble photometry.

Results of G. Sarty's photometry with the ANU 40 inch telescope:
(From one photometric condition observation from SSO_2005_08, there were no photometric condition observations in the SSO_2007_07 dataset.)
magnitude ± standard error of the mean

Star	B	n	V	n	R	n	I	n
obj	12.55 ± nan	1	12.09 ± nan	1	11.06 ± nan	1	10.34 ± nan	1
a	14.18 ± nan	1	13.72 ± nan	1	12.58 ± nan	1	11.82 ± nan	1
b	13.15 ± nan	1	12.69 ± nan	1	11.71 ± nan	1	11.00 ± nan	1
c	12.17 ± nan	1	11.66 ± nan	1	11.17 ± nan	1	10.76 ± nan	1
d	13.57 ± nan	1	13.11 ± nan	1	11.95 ± nan	1	11.15 ± nan	1
e	12.98 ± nan	1	12.53 ± nan	1	11.08 ± nan	1	10.17 ± nan	1
f	13.35 ± nan	1	12.89 ± nan	1	11.97 ± nan	1	11.31 ± nan	1
g	11.18 ± nan	1	10.67 ± nan	1	10.37 ± nan	1	10.04 ± nan	1

Note: From comparison to SIMBAD data, errors here may be up to 0.5 mag.

ARCHIVAL REFERENCE DATA: Do not use the data below for photometry. It is here for archival reference only to tie in old data with new data.

Reference star data from SIMBAD and Aladin (Comps in small letters on image)

Ref Star	ID	RA	Dec	B	V
A=c	HD 269978	05 41 06	-69 36.9	11.98	11.536
B=h	2MASS J05411066-6938040	05 41 10.63	-69 38 03.8	14.3	12.5
C=b	GEN# +8.58690268	05 41.0	-69 39	12.59	12.60
D=g	HD 269991	05 41 20.72	-69 34 06.0	10.86	10.5
E=a	GEN# +8.58690269	05 41.1	-69 41	13.51	13.58
F=f	[BE74] 619	05 41.7	-69 35	12.802	12.768
d	GSC 09167-00861	05 41 28.00	-69 38 12.0		
e	CPD-69 504	05 41 33.83	-69 33 41.4	12.231	12.406