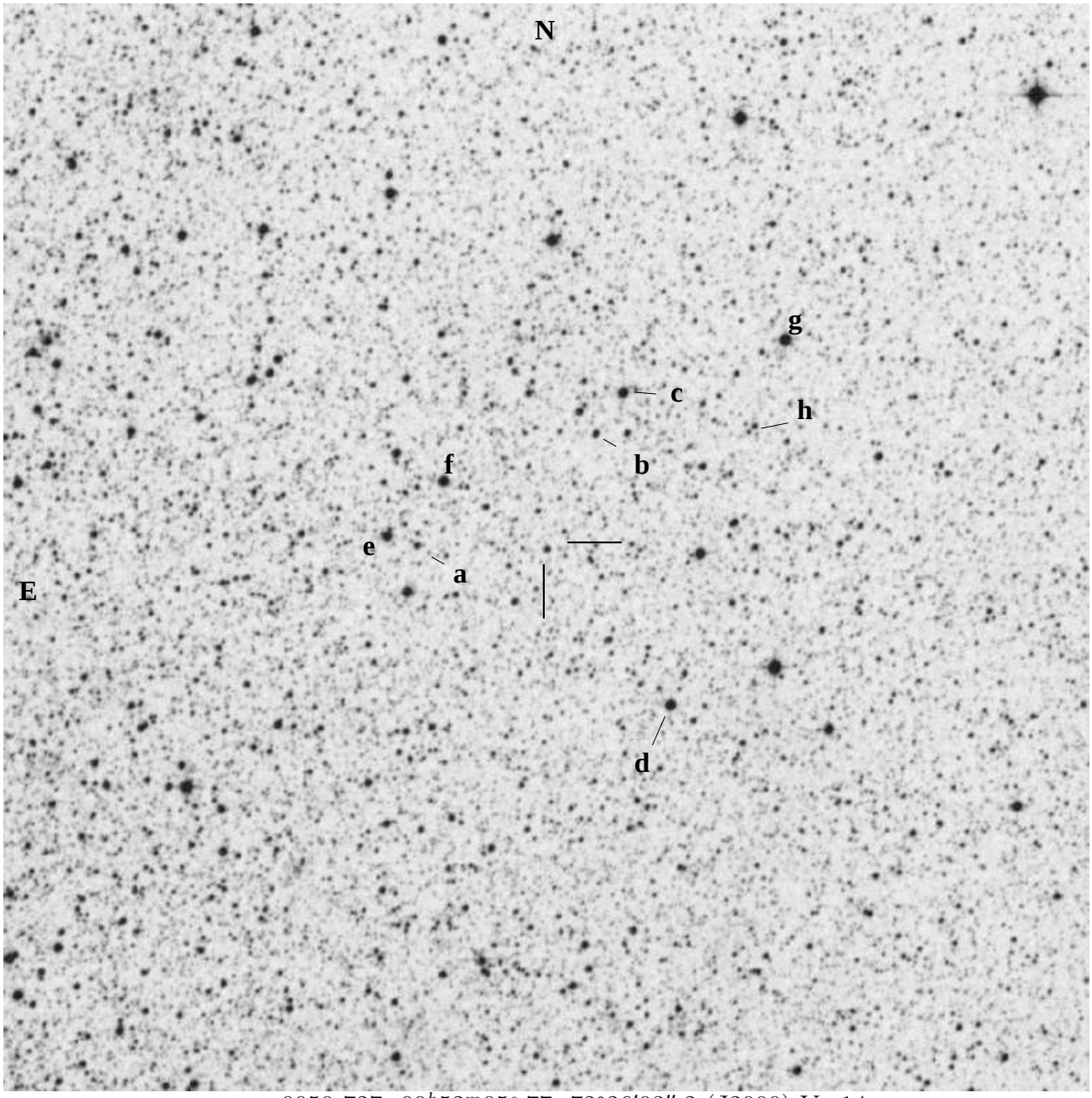
LPH004, AUID 000-BJP-525 (SMC X-3, 0050-727)



0050-727: $00^h52^m05^s.77$ -72°26′03″.2 (J2000) V=14
15m (1/4°) sq field — North up, East left. Position from SIMBAD; O9 III-Ve
X-ray period = 45.1d, Optical period = 44.86d (Cowley AP, Schmidtke PC, AJ 128:709, 2004)

Comp and Check stars (from SSO data)

Star	RA	Dec	V	R	I	Revision
a	00:52:29	-72:26:10	15.00	14.17	13.66	[2009-09-07]
b	00:51:58	-72:24:27	15.03	14.64	14.04	
c	00:51:53	-72:23:52	12.83	12.24	11.60	

Notes: Use “a” as comparison star and use PSF photometry as the SMC is crowded. Positions of comp/check stars are approximate as given by Aladin on POSS2UKSTU_Red survey image. Please record the comp star used, its magnitude and the revision number of this chart when reporting observations to the AAVSO international database.

Results of G. Sarty's photometry with the ANU 40 inch telescope:
SSO_2007_07:
magnitude ± standard error of the mean

Star	V	n	R	n	I	n
obj	14.88 ± 0.02	5	14.70 ± 0.01	8	13.97 ± 0.01	8
a	15.00 ± 0.02	5	14.17 ± 0.01	8	13.66 ± 0.01	8
b	15.03 ± 0.02	5	14.64 ± 0.04	8	14.04 ± 0.06	8
c	12.83 ± 0.02	5	12.24 ± 0.01	8	11.60 ± 0.02	8
d	12.21 ± 0.02	5	12.04 ± 0.01	8	11.29 ± 0.02	8
e	13.14 ± 0.02	5	12.40 ± 0.01	8	11.83 ± 0.02	8
h	16.81 ± 0.02	5	15.59 ± 0.01	8	15.16 ± 0.01	8

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

Ref Star	ID	RA	Dec	B	V
A=e	SkKM 93	00 52 34.6	-72 26 03		13.0
B=f	SMC 23401	00 52 25.36	-72 25 13.3	14.7	12.99
C=g	TYC 9138-1775-1	00 51 24.598	-72 22 58.59	11.4	11.7
D=h	DCMC J005129.24-722411.3 (Carbon Star)	00 51 29.218	-72 24 11.62		17.07
E=d	UCAC2 1161789 (Emission-line Star)	00 51 41.24	-72 28 06.7	12.25	12.26