

Table 10. Recent Distance Moduli to the LMC

No.	Method	Object	Author	m-M
1	Baade-Wesselink	Cepheids	Gieren et al. 2000	18.42 ± 0.10
2		Cepheids	Carretta et al.2000	18.55 ± 0.10
3		Cepheid	Gieren et al. 1998	18.46 ± 0.02
4		Cepheid	Di Benedetto 1997	18.58 ± 0.024
5		RR Lyraes	Carretta et al. 2000	18.52 ± 0.20
6		RR Lyraes	Feast 1997	18.53 ± 0.04
7		RR Lyraes	Cacciari et al. 1990	18.40 ± 0.20
8		RR Lyraes	McNamara 1997	18.54 ± 0.10
9	Double-mode	RR Lyraes	Alcock 1997	18.48 ± 0.19
10		RR Lyraes	Kovacs 2000	18.52 ± 0.21
11	Eclipsing binaries	EROS 1044	Maloney et al. 2001	18.25 ± 0.25
12		HV 2274	Nelson 2000	18.40 ± 0.07
13		HV 982	Fitzpatrick 2000	18.31 ± 0.09
14		HV 2274	Guinan et al. 1998a	18.42 ± 0.07
15		HV 2274	Guinan et al. 1998b	18.30 ± 0.07
16		HV 2274	Udalski 1998a	18.22 ± 0.13
17		HV2274	Guinan et al. 1997	18.54 ± 0.08
18	Globular Cluster Dyn. mods		Chaboyer et al. 1998	18.50 ± 0.11
19	High Amplitude δ Scuti	δ Scuti	McNamara 2001	18.66 ± 0.08
20	Long Period Variables	Mira	Whitelock & Feast 2000	18.64 ± 0.17
21		Ca Stars	Bergeat et al. 1998	18.50 ± 0.17
22		Mira	Van Leeuwen et al. 1997	18.54 ± 0.18
23	M Stars Luminosity		Schmidt-Kaler & Oestreich 1998	18.34 ± 0.09
24	Main Sequence fitting	NGC 1866	Walker et al. 2001	18.33 ± 0.05
25		Cepheids	Carretta et al. 2000	$18.55 \pm 0.04 \pm 0.04$
26		Cepheids	Laney & Stobie 1994	$18.49 \pm 0.04 \pm 0.04$
27	Masers	NGC 4258	Newman et al. 2001	$18.31 \pm 0.11 \pm 0.17$
28	Mean V magnitude	LMC RR Lyraess	McNamara 2001	18.61 ± 0.04

Table 10—Continued

No.	Method	Object	Author	m-M
29	Modelling Li-rich Ca stars		Ventura 1999	18.70 ± 0.25
30	Nonlinear Pulsation modelling	Cepheids	Wood 1998	18.54 ± 0.08
31	Planetary Nebulae Luminosity	M31	Walker 1999	18.50 ± 0.18
32	Red Clump		Popowski 2001	18.33 ± 0.07^a
33			Girardi & Salaris 2001	18.55 ± 0.05
34			Sakai 2000	18.29 ± 0.03
35			Popowski 2000	18.27 ± 0.06^b
36			Stanek et al. 2000	18.24 ± 0.08
37			Udalski 2000a	18.24 ± 0.08
38			Twarog et al. 1999	18.42 ± 0.16
39			Stanek et al. 1998	18.065 ± 0.12
40			Udalski et al. 1998b	18.08 ± 0.15
41			Udalski 1998c	18.09 ± 0.16
42			Udalski 1998d	18.18 ± 0.06
43			Romaniello et al. 2000	$18.59 \pm 0.04 \pm 0.08$
44			Cole 1998	18.36 ± 0.17
45			Girardi et al. 1998	18.28 ± 0.14
46		Beaulieu & Sackett 1998	18.3	
47	Red Clump & RR Lyraes		Popowski 2001	18.24 ± 0.08
47				to
47				18.44 ± 0.07
48	SN 1987A		Carretta et al. 2000	18.58 ± 0.05
49			Romaniello et al. 2000	18.55 ± 0.05
50			Walker 1999	$18.55 \pm 0.07 \pm 0.16$
51			Gould & Uza 1998	18.37 ± 0.04
52			Panagia et al. 1998	18.58 ± 0.08
53			Lundqvist & Sonneborn 1998	18.67 ± 0.05
54		Statistical parallaxes	RR Lyraes	Carretta et al. 2000

Table 10—Continued

No.	Method	Object	Author	m-M
55		RR Lyraes	Popowski & Gould 1999	18.33 ± 0.08^a
56		RR Lyraes	Popowski & Gould 1999	18.23 ± 0.08^b
57		RR Lyraes	Popowski & Gould 1998	18.07 ± 0.15^a
58		RR Lyraes	Popowski & Gould 1998	18.31 ± 0.14^b
59		RR Lyraes	Gould & Popowski 1998	18.24 ± 0.14
60		RR Lyraes	Fernley et al. 1998	18.26 ± 0.15
61		RR Lyraes	Layden et. al 1996	18.28 ± 0.03
62	Subdwarf fitting		Carreta et al. 2000	18.64 ± 0.12
63			Reid 1998	18.79 ± 0.17
64			Reid 1997	18.65 ± 0.12
65	Tip of the Red Giant Branch		Sakai 2000	$18.59 \pm 0.09 \pm 0.16$
66			Romaniello et al 2000	$18.69 \pm 0.25 \pm 0.06$
67	Trigonometric parallax	RR Lyrae	this paper 2001	18.53 ± 0.10^c
68		RR Lyrae	this paper 2001	18.38 ± 0.10^d
69		RR Lyrae	Luri et al. 1998	18.37 ± 0.23
70		RR Lyrae	McNamara 1997	18.57 ± 0.03
71		Cepheids	Groenewegen & Oudmaijer 2000	18.45 ± 0.18
71				to
71				18.86 ± 0.12
72		Cepheids	Groenewegen & Oudmaijer 2000	18.60 ± 0.11^e
73		Cepheids	Groenewegen & Oudmaijer 2000	18.52 ± 0.18^f
74		Cepheids	Groenewegen & Salaris 1999	18.61 ± 0.28
75		Cepheids	Feast 1999	18.68 ± 0.22^g
76		Cepheids	Oudmaijer et al. 1998	18.56 ± 0.08
77		Cepheids	Madore & Freedman 1998	18.44 ± 0.35
77				to
77				18.57 ± 0.11
78		Cepheids	Luri et al. 1998	18.29 ± 0.17

Table 10—Continued

No.	Method	Object	Author	m-M
79		Cepheids	Feast & Catchpole 1997	18.70 ± 0.10
80		Cepheids	Paturel et al. 1997	18.72 ± 0.05
81		HB	Carretta et al. 2000	18.49 ± 0.11
82		HB	Gratton 1998	18.49 ± 0.11
83		HB	Koen & Lacy 1998	18.49 ± 0.12
84	White Dwarf cooling sequence		Carretta et al. 2000	18.40 ± 0.15

^a Walker (1992) Photometry

^bUdalski (1999) Photometry

^cCarretta (2000) $\langle V \rangle = 19.11 (+0.03, \langle [\text{FeH}] \rangle \text{ correction})=19.14$

^dUdalski (1999) $\langle V \rangle = 18.94 (+0.05, \langle [\text{FeH}] \rangle \text{ correction}) = 18.99$

^eBased on the *PL*-relation in *V* & *I* & the Wesenheit-index

^fBased on the *PL*-relation in *K*

^gData from Koen & Laney 1998