

Table 1. Neutron Star Mass Measurements (1σ uncertainties)

Object	Mass (M_{\odot})	Reference	Object	Mass (M_{\odot})	Reference
<i>X-Ray Binaries</i>					
4U1700-37 [†]	$2.44^{+0.27}_{-0.27}$	a (1)	Vela X-1 [‡]	$1.86^{+0.16}_{-0.16}$	b,c (2; 3)
Cyg X-2	$1.71^{+0.21}_{-0.21}$	d (4)	4U1538-52	$0.96^{+0.19}_{-0.16}$	k (5)
SMC X-1	$1.06^{+0.11}_{-0.10}$	E (6)	LMC X-4	$1.25^{+0.11}_{-0.10}$	E (6)
Cen X-3	$1.34^{+0.16}_{-0.14}$	E (6)	Her X-1	$1.47^{+0.12}_{-0.18}$	k (5)
XTE J2123-058	$1.53^{+0.30}_{-0.42}$	l (7; 8)	2S 0921-630	$1.4^{+0.1}_{-0.1}$	F (9)
4U 1822-371	$1.96^{+0.36}_{-0.35}$	n (10)	EXO 1722-363	$1.545^{+0.465}_{-0.465}$	f (38)
mean = $1.544 M_{\odot}$, weighted mean = $1.374 M_{\odot}$					
<i>Neutron Star - Neutron Star Binaries</i>					
J1829+2456	$1.338^{+0.002}_{-0.338}$	z (11)	J1829+2456 (comp.)	$1.256^{+0.346}_{-0.003}$	z (11)
J1811-1736	$1.608^{+0.066}_{-0.608}$	A (12)	J1811-1736 (comp.)	$0.941^{+0.787}_{-0.021}$	A (12)
J1906+07	$1.694^{+0.012}_{-0.694}$	B (13)	J1906+07 (comp.)	$0.912^{+0.710}_{-0.004}$	B (13)
J1518+4904	$0.72^{+0.51}_{-0.58}$	C (14)	J1518+4904 (comp.)	$2.00^{+0.58}_{-0.51}$	C (14)
1534+12	$1.3332^{+0.0010}_{-0.0010}$	K (15)	1534+12 (comp.)	$1.3452^{+0.0010}_{-0.0010}$	K (15)
1913+16	$1.4414^{+0.0002}_{-0.0002}$	q (16)	1913+16 (comp.)	$1.3867^{+0.0002}_{-0.0002}$	q (16)
2127+11C	$1.358^{+0.010}_{-0.010}$	x (17)	2127+11C (comp.)	$1.354^{+0.010}_{-0.010}$	x (17)
J0737-3039A	$1.3381^{+0.0007}_{-0.0007}$	i (18)	J0737-3039B	$1.2489^{+0.0007}_{-0.0007}$	i (18)
J1756-2251	$1.312^{+0.017}_{-0.017}$	J (19)	J1756-2251 (comp.)	$1.258^{+0.017}_{-0.017}$	J (19)
mean = $1.325 M_{\odot}$, weighted mean = $1.403 M_{\odot}$					
<i>Neutron Star - White Dwarf Binaries</i>					
B2303+46	$1.38^{+0.06}_{-0.10}$	e (20)	J1012+5307	$1.68^{+0.22}_{-0.22}$	m (21)
J1713+0747*	$1.53^{+0.08}_{-0.04}$	r (22)	B1802-07	$1.26^{+0.08}_{-0.17}$	e (20)
B1855+09*	$1.57^{+0.12}_{-0.11}$	g (23)	J0621+1002	$1.70^{+0.10}_{-0.17}$	y (24)
J0751+1807	$1.26^{+0.14}_{-0.14}$	y (24)	J0437-4715	$1.76^{+0.20}_{-0.20}$	p (25)
J1141-6545	$1.27^{+0.01}_{-0.01}$	j (26)	Ter 5 I	$1.874^{+0.32}_{-0.068}$	t (27)
Ter 5 J	$1.728^{+0.066}_{-0.136}$	t (27)	J1909-3744	$1.47^{+0.03}_{-0.02}$	u (28)
J0024-7204H	$1.41^{+0.04}_{-0.08}$	w (29)	B1802-2124	$1.24^{+0.11}_{-0.11}$	J (17)
J0514-4002A	$1.497^{+0.008}_{-0.497}$	D (30)	B1516+02B	$2.08^{+0.19}_{-0.19}$	I (31)
J1748-2021B	$2.74^{+0.21}_{-0.21}$	H (32)	J1750-37A	$1.26^{+0.39}_{-0.39}$	H (32)
J1738+0333	$1.55^{+0.55}_{-0.55}$	L (33)	J1911-5958A	$1.34^{+0.08}_{-0.08}$	O (34)
J1045-4509	< 1.48	e (20)	J1804-2718	< 1.70	e (20)
J2019+2425	< 1.51	h (35)			
mean = $1.580 M_{\odot}$, weighted mean = $1.334 M_{\odot}$					
<i>Neutron Star - Main Sequence Binaries</i>					
J0045-7319	$1.58^{+0.34}_{-0.34}$	M (36)	J1903+0327	$1.67^{+0.01}_{-0.01}$	N (37)

[†] Data from Ref. (3) used;

* Reflects binary period-white dwarf mass constraint from Ref. (39)