

Table 1: Parameters for PSR B1855+09

Dataset and model summary	
Pulsar name .....	B1855+09
MJD range .....	53358—56598
Data span (yr) .....	8.87
Number of TOAs .....	4005
TOA paradigm .....	Narrowband
Solar system ephemeris .....	DE421
Timescale .....	TT(BIPM)
Time unit .....	TDB
Time ephemeris .....	FB90
Binary model .....	DD
Number of JUMPs .....	1
Number of DMX ranges .....	72
Number of FD parameters .....	3
Number of EFACs .....	4
Number of EQUADs .....	4
Number of ECORRs .....	4
Fit summary	
Number of free parameters .....	90
Fitting method .....	GLS
RMS TOA residuals ( $\mu s$ ) .....	6.37e+00
$\chi^2$ .....	7999.01
Reduced $\chi^2$ .....	2.04
Measured Quantities	
PX, Parallax (mas) .....	0.3(2)
ELONG, Ecliptic longitude (deg) .....	286.86348933(2)
ELAT, Ecliptic latitude (deg) .....	32.32148776(3)
PMELONG, Proper motion in ecliptic longitude (mas / yr) .....	-3.27(1)
PMELAT, Proper motion in ecliptic latitude (mas / yr) .....	-5.10(3)
F0, Spin-frequency (Hz) .....	186.49408127078(3)
F1, Spin-frequency derivative 1 (Hz / s) .....	-6.205(1)e-16
PB, Orbital period (d) .....	12.3271711913(2)
A1, Projected semi-major axis of pulsar orbit (ls) .....	9.2307805(2)
ECC, Eccentricity .....	2.163(2)e-05
T0, Epoch of periastron passage (d) .....	54975.513(2)
OM, Longitude of periastron (deg) .....	276.54(6)
M2, Companion mass (solMass) .....	0.23(1)
SINI, Sine of inclination angle .....	0.9995(2)
Set Quantities	
POSEPOCH, Reference epoch for position (d) .....	54978.000000
PEPOCH, Reference epoch for spin-down (d) .....	54978.000000
SWP, Solar Wind Model radial power-law index (only for SWM=1) .....	2.000000
DM, Dispersion measure (pc / cm3) .....	13.299393
Derived Quantities	