JODRELL BANK CRAB PULSAR TIMING RESULTS - MONTHLY EPHEMERIS - December 10, 2025

Date			MJD	t_{MIT} sec	t_{JPL} sec	t_{acc} $\mu\,sec$	ν Hz	σ_{ν}	$\dot{\nu}$ $10^{-15}\,sec^{-2}$	$\sigma_{\dot{\nu}}$	DM $pc\,cm^{-3}$	τ_{408} $\mu\,sec$
15	FEB	82	45015	0.028682	0.021592	100	30.0592241133	3	-381008.75	0.92	56.834	100
15	MAR	82	45043	0.025779	0.018609	100	30.0583024378	2	-380959.78	0.55	56.837	100
15	APR	82	45074	0.033204	0.026111	50	30.0572820848	9	-380937.40	1.57	56.830	100
15	MAY	82	45104	0.014496	0.007626	50	30.0562947468	5	-380908.68	0.96	56.818	100
15	JUN	82	45135	0.027443	0.020887	600	30.0552745757	19	-380834.54	5.26	56.836	100
15	JUL	82	45165	0.015563	0.009312	60	30.0542874354	2	-380820.20	0.57	56.823	100
15	AUG	82	45196	0.030831	0.024812	50	30.0532674840	4	-380800.04	1.26	56.820	100
15	SEP	82	45227	0.005138	0.032439	200	30.0522475829	2	-380788.69	0.89	56.822	100
15	OCT	82	45257	0.013639	0.007598	200	30.0512606980	1	-380754.71	0.29	56.821	100
15	NOV	82	45288	0.014998	0.008680	50	30.0502409438	5	-380712.11	0.59	56.825	100
15	DEC	82	45318	0.026893	0.020227	20	30.0492541745	4	-380683.27	0.66	56.800	100
15	JAN	83	45349	0.029096	0.022071	50	30.0482345947	2	-380657.31	0.65	56.813	100
15	FEB	83	45380	0.023077	0.015796	100	30.0472150945	4	-380610.26	1.65	56.807	100
15	MAR	83	45408	0.023342	0.015975	60	30.0462943458	5	-380577.96	0.73	56.814	100
15	APR	83	45439	0.033161	0.025873	50	30.0452750347	4	-380551.86	1.37	56.818	100
15	MAY	83	45469	0.015156	0.008093	60	30.0442886606	2	-380522.14	0.65	56.812	100
15	JUN	83	45500	0.018478	0.011735	100	30.0432695205	2	-380484.56	0.45	56.817	100
15	JUL	83	45530	0.001393	0.028248	50	30.0422833491	1	-380459.86	0.32	56.823	100
15	AUG	83	45561	0.013893	0.025698	50	30.0412643626	1	-380429.25	0.39	(56.823)	100
15	SEP	83	45592	0.000738	0.027913	50	30.0402454624	2	-380397.52	0.40	56.812	100
15	OCT	83	45622	0.019433	0.013213	70	30.0392595241	2	-380361.91	0.52	56.821	100
15	NOV	83	45653	0.006468	0.033262	70	30.0382407889	2	-380324.03	0.27	56.830	100
15	DEC	83	45683	0.021719	0.014858	100	30.0372550137	5	-380310.46	1.10	56.823	100
15	JAN	84	45714	0.031340	0.024108	50	30.0362364410	2	-380260.60	0.43	56.813	100
15	FEB	84	45745	0.006795	0.032593	70	30.0352179804	1	-380231.81	0.34	56.819	100

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15	MAR	84	45774	0.018425	0.010692	100	30.0342653163	2	-380196.81	0.46	56.827	100
15	APR	84	45805	0.001555	0.027365	70	30.0332470097	2	-380176.42	0.63	(56.827)	100
15	MAY	84	45835	0.028105	0.020850	70	30.0322616516	2	-380134.80	0.41	(56.827)	100
15	JUN	84	45866	0.022997	0.016052	100	30.0312435533	2	-380096.83	0.63	56.829	100
15	JUL	84	45896	0.007324	0.000422	100	30.0302583586	2	-380075.98	0.61	56.829	100
15	AUG	84	45927	0.015489	0.008911	100	30.0292404199	3	-380047.61	1.04	56.826	720
15	SEP	84	45958	0.002836	0.029886	100	30.0282225241	12	-379994.01	1.99	56.834	1100
15	OCT	84	45988	0.023219	0.016791	200	30.0272376263	8	-379985.96	1.95	56.845	1600
15	NOV	84	46019	0.011806	0.005088	400	30.0262199366	6	-379949.31	0.67	56.853	1500
15	DEC	84	46049	0.020226	0.013133	200	30.0252351486	8	-379919.13	2.27	56.834	130
15	JAN	85	46080	0.016794	0.009406	70	30.0242176120	1	-379884.34	0.47	56.827	200
15	FEB	85	46111	0.021412	0.013753	50	30.0232001654	2	-379856.71	0.62	56.827	200
15	MAR	85	46139	0.011123	0.003288	40	30.0222812604	2	-379819.74	0.46	56.830	200
15	APR	85	46170	0.018725	0.010972	30	30.0212639792	1	-379793.40	0.27	56.827	100
15	MAY	85	46200	0.003745	0.029538	30	30.0202795791	2	-379772.73	0.70	56.825	100
15	JUN	85	46231	0.014525	0.007340	60	30.0192624576	2	-379731.45	0.58	56.829	100
15	JUL	85	46261	0.023125	0.016264	70	30.0182782469	3	-379701.04	0.74	56.830	100
15	AUG	85	46292	0.005172	0.031870	100	30.0172612933	5	-379661.39	1.58	56.846	100
15	SEP	85	46323	0.009010	0.002472	100	30.0162444816	97	-379614.74	11.21	(56.846)	100
15	OCT	85	46353	0.027119	0.020464	100	30.0152605112	3	-379602.74	0.74	56.819	100
15	NOV	85	46384	0.020715	0.013764	40	30.0142438399	1	-379561.18	0.25	56.825	100
15	DEC	85	46414	0.020101	0.012764	75	30.0132600572	3	-379529.09	0.85	(56.825)	100
15	JAN	86	46445	0.006803	0.032394	60	30.0122435595	1	-379495.02	0.39	56.800	100
15	FEB	86	46476	0.008738	0.000728	50	30.0112271413	1	-379471.99	0.34	56.800	100
15	MAR	86	46504	0.031838	0.023731	70	30.0103091692	2	-379442.96	0.47	56.804	100

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15	APR	86	46535	0.028741	0.020717	50	30.0092929149	1	-379412.23	0.32	56.802	100
15	MAY	86	46565	0.004327	0.029865	150	30.0083095195	4	-379363.72	1.26	56.805	100
15	JUN	86	46596	0.021669	0.014223	100	30.0072934397	5	-379334.98	2.16	(56.805)	100
15	JUL	86	46626	0.009945	0.002830	50	30.0063102270	2	-379317.91	0.50	(56.805)	100
15	AUG	86[8]	46657	0.018160	0.011296	60	30.0052942862	2	-379287.21	0.64	(56.805)	100
15	SEP	86[8]	46688	0.021567	0.014785	700	30.0042784593	3	-379280.46	0.45	56.843	100
15	OCT	86	46718	0.029655	0.022756	120	30.0032954585	1	-379228.80	0.26	56.832	100
15	NOV	86	46749	0.018796	0.011603	80	30.0022797859	6	-379181.06	1.40	56.842	100
15	DEC	86	46779	0.003997	0.029731	50	30.0012969626	2	-379158.70	0.53	56.845	100
15	JAN	87	46810	0.010355	0.002354	60	30.0002814735	2	-379130.04	0.39	56.845	100
15	FEB	87	46841	0.009196	0.000907	60	29.9992660671	2	-379097.49	0.64	56.844	100
15	MAR	87	46869	0.003713	0.028659	100	29.9983490021	6	-379058.70	2.38	56.851	100
15	APR	87	46900	0.025318	0.017012	80	29.9973337716	3	-379031.90	0.55	(56.851)	100
15	MAY	87	46930	0.028256	0.020192	70	29.9963513479	2	-379014.26	0.61	56.851	100
15	JUN	87	46961	0.027152	0.019436	130	29.9953362620	5	-378972.42	1.38	56.858	100
15	JUL	87	46991	0.007015	0.032978	150	29.9943540266	3	-378932.50	1.12	(56.858)	1500
15	AUG	87	47022	0.019054	0.011936	100	29.9933391231	3	-378892.87	0.78	(56.858)	750
15	SEP	87	47053	0.002800	0.029110	120	29.9923243313	3	-378879.27	0.95	56.861	750
15	OCT	87	47083	0.004590	0.030782	50	29.9913423139	2	-378848.25	0.45	56.853	1000
15	NOV	87	47114	0.024528	0.017070	75	29.9903276661	4	-378808.96	1.15	56.859	1350
15	DEC	87	47144	0.031676	0.023815	100	29.9893458047	5	-378792.52	1.37	56.852	1500
15	JAN	88	47175	0.026876	0.018603	75	29.9883313042	2	-378744.58	0.71	56.856	1000
15	FEB	88	47206	0.024222	0.015654	100	29.9873169279	4	-378708.57	1.11	56.859	850
15	MAR	88	47235	0.006479	0.031156	25	29.9863680534	3	-378689.56	0.82	(56.859)	1000
15	APR	88	47266	0.009717	0.001135	100	29.9853538033	2	-378674.11	0.57	(56.859)	500