



A super-Chandrasekhar mass type Ia supernova progenitor at 49 pc set to detonate in 23 Gyr

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Supplementary Tables

Table 1 A table of all observed radial velocities (without relativistic correction) and the mid-exposure time-stamps. Wavelength calibration errors were propagated. One-sigma error bars are given as the standard deviation of 1000 bootstrapping iterations.

HJD–2450000 UTC	RV_1 [km s ⁻¹]	ΔRV_1 [km s ⁻¹]	RV_2 [km s ⁻¹]	ΔRV_2 [km s ⁻¹]	Instrument
8588.734699	-43.83	10.22	128.60	10.26	ISIS
8588.739403	-48.34	13.12	126.60	7.82	ISIS
8591.687642	-47.74	4.63	137.97	3.93	ISIS
8591.698183	-42.98	5.32	139.73	4.46	ISIS
8591.745818	-24.42	4.93	117.45	7.48	ISIS
8591.752887	-13.34	3.91	113.95	4.84	ISIS
8645.660736	-46.33	4.10	139.79	3.97	ISIS
8645.670120	-41.48	4.08	139.02	3.52	ISIS
8731.364001	149.73	9.28	-27.17	13.79	IDS
8732.411857	95.08	11.14	23.01	11.46	IDS
8732.432828	112.69	14.73	13.43	19.28	IDS
8732.460152	146.81	5.43	-24.69	8.03	IDS
8732.481127	137.36	9.86	-21.20	12.24	IDS
8732.506595	139.55	7.35	-18.77	3.99	IDS
8733.496923	-13.87	9.40	110.97	8.23	IDS
8733.517893	13.12	11.25	103.55	11.63	IDS
8734.382747	136.13	10.99	1.58	10.44	IDS
8751.390254	124.27	25.16	15.48	35.06	IDS
8751.400810	75.08	31.95	39.30	22.87	IDS
8751.411366	111.57	19.70	24.70	35.63	IDS
8751.421919	103.05	36.85	13.66	29.44	IDS
10385.714514	121.92	11.34	-48.04	5.86	FIES
10389.693347	95.12	3.91	-14.90	19.24	FIES
10389.711256	100.95	8.79	-19.22	14.96	FIES
10401.639249	137.53	4.08	-30.59	2.21	FIES
10401.675067	137.67	5.83	-44.11	3.54	FIES
10401.692976	149.54	12.12	-50.05	8.55	FIES
10402.602016	-40.56	10.65	122.89	4.08	FIES
10403.596407	23.18	18.31	56.32	4.86	FIES
10405.726945	119.48	6.67	-14.62	6.83	FIES
10412.657048	-25.61	7.60	146.64	4.69	FIES
10416.579027	123.96	6.33	-18.52	6.26	FIES
10426.543453	135.26	12.18	-39.47	8.71	IDS
10426.561527	155.21	6.64	-32.92	5.31	IDS
10426.579516	147.89	8.65	-51.49	5.29	IDS
10426.597579	150.34	8.63	-53.96	7.91	IDS
10426.615569	142.23	8.13	-36.32	5.93	IDS
10426.633728	141.73	10.30	-27.52	5.79	IDS
10426.651797	121.16	10.04	-22.66	9.27	IDS
10426.675840	104.72	6.37	3.20	4.94	IDS
10426.693911	99.42	18.86	10.39	9.92	IDS

HJD-2450000 UTC	RV_1 [km s ⁻¹]	ΔRV_1 [km s ⁻¹]	RV_2 [km s ⁻¹]	ΔRV_2 [km s ⁻¹]	Instrument
10426.711986	60.03	9.14	41.66	9.22	IDS
10426.730069	55.33	4.57	54.96	3.95	IDS
10427.568303	22.90	13.36	98.97	12.29	IDS
10427.586293	38.01	10.43	82.12	10.65	IDS
10427.604333	52.56	13.10	63.98	7.18	IDS
10427.640501	78.96	10.17	37.00	5.90	IDS
10427.658595	80.16	9.54	2.07	10.28	IDS
10427.677213	111.05	6.78	-2.50	9.76	IDS
10427.695279	119.40	9.22	-15.23	5.24	IDS
10427.713363	129.54	14.44	-16.45	9.41	IDS
10435.613760	56.04	4.41	55.55	3.10	FIES
10451.692321	5.16	4.73	83.75	7.77	FIES
10451.710229	-3.64	4.86	117.82	3.49	FIES
10462.684526	126.24	5.78	-20.07	5.89	ALFOSC
10463.515200	57.13	6.48	60.23	3.75	ALFOSC
10463.522815	53.00	8.06	57.95	5.32	ALFOSC
10463.530392	42.85	7.76	82.97	8.49	ALFOSC
10463.613866	-30.69	6.79	150.23	15.31	ALFOSC
10471.660727	142.69	1.09	-44.14	0.80	UVES
10471.669856	145.29	0.81	-44.88	0.94	UVES
10471.678957	143.42	1.04	-40.03	0.71	UVES
10471.688045	141.58	1.02	-37.81	0.75	UVES
10471.697140	136.39	1.12	-32.99	0.98	UVES
10471.706232	135.55	0.93	-26.67	0.93	UVES
10471.715322	129.76	1.02	-24.49	0.93	UVES
10471.724414	122.58	1.17	-16.54	0.89	UVES
10471.733505	117.61	1.09	-14.89	0.85	UVES
10471.742600	106.43	1.07	-4.46	0.97	UVES
10471.751691	104.14	1.27	3.99	0.94	UVES
10471.760789	94.76	1.39	12.92	0.94	UVES
10471.769880	84.35	1.31	18.86	0.92	UVES
10471.778969	79.40	2.45	30.92	2.07	UVES
10471.788065	67.00	4.46	40.27	6.17	UVES
10471.797156	62.90	3.46	48.17	1.98	UVES
10471.806251	56.81	11.41	56.94	16.47	UVES
10471.815355	48.61	7.41	60.71	9.05	UVES
10471.824448	37.51	8.51	72.91	6.31	UVES
10471.833536	27.02	1.78	80.67	2.15	UVES
10525.451278	60.95	5.62	60.27	3.17	FIES
10525.469185	57.98	3.66	63.47	4.66	FIES
10545.435565	-33.32	6.71	131.51	4.64	FIES