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## **Orbital elements of double stars: ADS 1762 - A 207**

Marco Scardia, Jean-Louis Prieur, Luigi Pansecchi, Josefina Ling, Robert W. Argyle, Eric Aristidi, Alessio Zanutta, Lyu Abe, Philippe Bendjoya, Jean-Pierre Rivet, et al.

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**INTERNATIONAL ASTRONOMICAL UNION**  
**COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)**  
**DOUBLE STARS INFORMATION CIRCULAR No. 202 (OCTOBER 2020)**

**NEW ORBITS**

<b>ADS</b> $\alpha$ 2000 $\delta$	<b>Name</b> <b>n</b>	<b>P</b> <b>a</b>	<b>T</b> <b>i</b>	<b>e</b> $\omega$	<b><math>\Omega</math>(2000)</b> <b>Last ob.</b>	<b>2020</b> <b>2021</b>	<b>Author(s)</b>
1762 02182+3920	A 207 0°2989	1204 <sup>y</sup> 6 0''950	1937.27 31°1	0.816 193°9	31°3 2020.771	358°9 0''629 359.2 0.635	SCARDIA et al. (*)
1477 02318+8916	WRH 39 Aa,Ab 12.1663	29.59 0.120	1987.66 146.2	0.608 123.0	189.5 2014.4856	327.3 0.081 312.1 0.093	DOCOBO & CAMPO
- 03321+4340	COU 1688 AB 41.6763	8.638 0.139	2003.841 35.5	0.198 268.2	49.2 2012.7023	247.6 0.121 308.0 0.092	DOCOBO & LING
3303 04349+3908	HU 1082 6.7707	53.17 0.362	2023.24 48.9	0.746 216.3	108.9 2007.8019	221.1 0.151 240.7 0.132	DOCOBO & LING
3730 05098+2802	BU 1047 BC 10.4712	34.38 0.282	2001.21 122.4	0.944 114.9	30.9 2007.8184	78.1 0.357 77.0 0.357	DOCOBO & CAMPO
11635 18443+3940	STF 2382 AB 0.1284	2802.8 14.237	2051.49 102.2	0.953 258.8	149.6 2020.7470	344.3 2.169 344.0 2.148	DOCOBO & CAMPO
11635 18443+3940	STF 2383 CD 0.4970	724.3 2.920	2223.9 126.1	0.353 73.8	26.5 2020.7470	74.3 2.399 73.9 2.402	DOCOBO & CAMPO
11635 18443+3940	CHR 77 Ca,Cb 22.8571	15.75 0.191	2008.94 109.9	0.411 127.2	42.4 2005.5155	48.2 0.229 42.9 0.214	DOCOBO & CAMPO
13950 20311+3333	COU 1962 AB 17.6350	20.414 0.201	1999.240 76.0	0.524 307.2	116.7 2008.5460	108.5 0.086 121.7 0.119	DOCOBO & CAMPO

(\*) SCARDIA, PRIEUR, PANSECCHI, LING, ARGYLE, ARISTIDI, ZANUTTA, ABE, BENDJOYA, RIVET, SUAREZ & VERNET

## SARAH LEE LIPPINCOTT (1920-2019)

Sarah Lee Lippincott was born in Philadelphia in 1920 and attended the University of Pennsylvania College for Women. She graduated in 1942.

After graduation, Lippincott attended Swarthmore College where she worked closely with Dr. Peter van de Kamp on many astrometry projects between 1945 and 1972. She became the Observatory Director after Peter van de Kamp retired in 1972. In 1973, Lippincott was granted an Honorary Doctorate from Villanova University.

She conducted numerous astrometric studies of nearby stars with van de Kamp in the search for extrasolar planets and reported the discovery of several objects of sub-stellar mass and proposed a 0.01 solar-mass planetary companion to the *Lalande 21185* star in 1951. The same proposal of planetary objects was made for a number of other stars as well. Claims for the smaller planetary objects were never confirmed and gradually have become discredited.

However, Dr. Lippincott was quite successful in using the same techniques for characterizing many binary star systems. Her 1951 calculations of the orbit of the difficult binary star system *Ross 614*, were used to successfully find and image the system's secondary star. Those calculations were used by Walter Baade to find and optically resolve this binary system for the first time using the then new 5 m (200 in) Hale Telescope at the Palomar Observatory in California.

Dr. Lippincott was the first woman President of the former Commission 26 on Double and Multiple Stars of the IAU for the period, 1973-1976. She was Professor Emerita of Astronomy and Director Emerita of the Sproul Observatory from her retirement to 2010. Dr. Lippincott died on February 28, 2019 in Pennsylvania.

The editors

## ANNOUNCEMENTS

We announce the birth of a new journal dedicated to double star astronomy entitled: *Etoiles Doubles - Revue francophone des observateurs d'étoiles doubles*.

This publication will:

- offer to French speaking amateurs a place to publish their works on double stars
- promote amateur research activities
- accompany experienced observers as well as beginners with in-depth, topical or initiation articles
- open its columns to works on every types of double stars (visual, photometric, spectroscopic ...)
- give historical insights on double stars astronomy

We plan to publish two issues per year, via the website: <https://etoiledoubles.org/> in pdf format. Issue 1 will be available at the end of 2020.

This publication is supported by the Observatory of the University of Lille (<http://astronomie.univ-lille1.fr/>) and by The Jonckheere Association (<https://assojonckheere.wixsite.com/accueil>)

For more information, you can contact us at: [contact@etoilesdoubles.org](mailto:contact@etoilesdoubles.org)

The Étoiles Doubles editorial board: André Amossé, Philippe Laurent, Florent Losse

## NOTE

Beginning with the next issue of the Circular (February 2021) and on, due to the initiative not only of the editors but also of several astronomers that suggested it, the orbits sent to the Circular must include the standard errors of the orbital elements; these will also be included in the Circular.

The Editors

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The deadline for contributions to Information Circular No. 203 is:

February 15th 2021

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