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Authors	Maire, A. -L., Molaverdikhani, K., DESIDERA, Silvano, Trifonov, T., Molliere, P., D'ORAZI, VALENTINA, Frankel, N., Baudino, J. -L., Messina, S., Mueller, A., Charnay, B., Cheetham, A. C., Delorme, P., Ligi, R., Bonnefoy, M., Brandner, W., MESA, DINO, Cantalloube, F., Galicher, R., Henning, T., Biller, B. A., Hagelberg, J., Lagrange, A. -M., Lavie, B., Rickman, E., Segransan, D., Udry, S., Chauvin, G., GRATTON, Raffaele, Langlois, M., Vigan, A., Meyer, M. R., Beuzit, J. -L., Bhowmik, T., Boccaletti, A., Lazzoni, C., Perrot, C., Schmidt, T., Zurlo, A., Gluck, L., Pragt, J., Ramos, J., Roelfsema, R., Roux, A., Sauvage, J. -F.
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Journal	VizieR Online Data Catalog



Portal Simbad Vizier Aladin X-Match Other Help

J/A+A/639/A47 SPHERE and NaCo images of HD 19467B (Maire+, 2020)

Orbital and spectral characterization of the benchmark T-type brown dwarf
HD 19467B.

Maire A.-L., Molaverdikhani K., Desidera S., Trifonov T., Molliere P.,
D'Orazi V., Frankel N., Baudino J.-L., Messina S., Mueller A.,
Charnay B., Cheetham A.C., Delorme P., Ligi R., Bonnefoy M., Brandner W.,
Mesa D., Cantalloube F., Galicher R., Henning T., Biller B.A.,
Hagelberg J., Lagrange A.-M., Lavie B., Rickman E., Segransan D.,
Udry, S., Chauvin G., Gratton R., Langlois M., Vigan A., Meyer M.R.,
Beuzit J.-L., Bhowmik T., Boccaletti A., Lazzoni C., Perrot C.,
Schmidt T., Zurlo A., Gluck L., Pragt J., Ramos J., Roelfsema R.,
Roux A., Sauvage J.-F.

<Astron. Astrophys. 639, A47 (2020)>

[=2020A&A...639A..47M](#) (SIMBAD/NED BibCode)**ADC_Keywords:** Stars, double and multiple ; Optical

Keywords: brown dwarfs - methods: data analysis - stars: individual: HD 19467 -
techniques: high angular resolution -
planet and satellites: dynamical evolution and stability -
techniques: image processing

Abstract:

HD 19467 observations were performed with the VLT exoplanet imager SPHERE
and the VLT adaptive optics camera NaCo to further characterize the
spectral and orbital properties of the known T-type brown dwarf companion.

Description:

The SPHERE and NaCo high-contrast images processed with angular
differential imaging are provided. The SPHERE and NaCo/Lp images were
processed with TLOCI-ADI (see Galicher et al., [2018A&A...615A..92G](#))
and are normalized to the stellar peak (contrast with respect to the
star). The NaCo/Mp image was processed with PCA (see Cheetham et al.,
[2019A&A...622A..80C](#)).

Objects:

RA	(2000)	DE	Designation(s)
03 07 18.58	-13 45 42.4		HD 19467 = HIP 14501

File Summary:

FileName	Lrecl	Records	Explanations
ReadMe	80	.	This file
list.dat	116	6	List of fits files
fits/*	0	6	Individual fits files

Byte-by-byte Description of file: [list.dat](#)

Bytes	Format	Units	Label	Explanations
1-	2	I2	h	RAh
4-	5	I2	min	RAm
7-	10	F4.1	s	RA s
11	A1	---	DE-	Declination sign of center (J2000)
12-	13	I2	deg	DEd
15-	16	I2	arcmin	DEm
18-	21	F4.1	arcsec	DEs
23-	26	I4	---	Nx
28-	31	I4	---	Ny
33-	56	A24	"datetime"	Obs.date
58-	61	I4	Kibyte	size
63-	76	A14	---	FileName
78-116	A39	---	Title	Title of the FITS file

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(End)

Patricia Vannier [CDS] 19-May-2020

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