

## Measurements of visual double stars with PISCO2 at the Nice 76-cm refractor in 2013-2014: Erratum

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We report here some measurements from the observations made in 2013-2014 for which the magnification scale value was not right in our published paper. The cause of most of our errors was that we were not aware at the time of our publication that some of the observations had not been obtained with PISCO2. In December 2013 — January 2014, R. Gili used a different optical configuration with a larger field of view and a smaller magnification scale that was better suited to wide double stars. This is now indicated by "5" in the 4th column. The other errors came from a wrong bin value in some of the observations made with PISCO2. We have discovered those information only recently, in some of the files R. Gili gave us before he died.

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**Table 1** Corrected binary measurements obtained with PISCO2 in 2013-2014 and O-C residuals (begin.)

WDS	Name	Epoch	Bin.	$\rho$ ( $''$ )	$\sigma_\rho$ ( $''$ )	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	$\Delta m$	Notes	Orbit	$\Delta\rho(\text{O-C})$ ( $''$ )	$\Delta\theta(\text{O-C})$ ( $^\circ$ )
00005+2031	COU444	2013.924	5	4.272	0.045	39.5	0.3	3.25				
00010+2721	DAM361AB	2013.927	5	8.891	0.046	358.3	0.3	2.26				
00010+2721	DAM361AC	2013.927	5	33.120	1.570	218.8	5.5		NDg			
00037+1851	XMI104	2013.924	5	6.056	0.045	176.5	0.3	3.43				
00113+1435	LDS1072	2013.924	5	4.659	0.046	271.7	0.3	0.57				
00113+2953	MLB631	2013.927	5	8.236	0.045	270.6	0.3	0.38				
00115+2949	MLB441CD	2013.927	5	6.011	0.046	138.8	0.3	0.93				
00139+1518	LDS1074Aa,Ab	2013.924	5	0.824	0.046	202.9	0.3	0.05	NDg			
00139+1518	LDS1074AB	2013.924	5	4.787	0.046	237.4	0.3	3.53				
00151+1358	LDS1075	2013.919	5	7.925	0.045	174.5	0.3	4.56				
00251+1824	HJ621	2013.965	5	5.332	0.045	6.8	0.3	1.07				
00291+1119	A805	2013.965	5	4.351	0.045	304.5	0.3	3.77				
00293+2334	POU31	2013.924	5	4.541	0.046	83.1	0.3	0.61				
00296+2807	WSI38AB	2013.924	5	4.291	0.017	101.55	2.3	0.15				
00296+2807	HAU1BC	2013.924	5	12.085	0.046	46.1	2.3	0.21				
00304+2357	POU33	2013.924	5	4.650	0.046	90.9	0.3	0.83				
00307+1752	J584	2013.924	5	3.349	0.046	172.9	0.3	2.54				
00355+2724	LDS866	2013.927	5	8.522	0.045	279.3	0.3	0.82				
00359+2914	ES314	2013.919	5	7.722	0.045	204.0	0.3	5.24				
00380+2510	HO305AB	2013.965	5	5.706	0.045	195.8	0.3	1.95				
00380+2510	HO305AC	2013.965	5	20.610	0.045	204.3	0.3	3.79				
00429+2240	SKF229AB	2013.965	5	2.893	0.045	337.6	0.3	3.51				
00429+2240	SKF229CD	2013.965	5	5.846	0.045	342.5	0.3	0.27				
00457+2327	LDS3197	2013.965	5	3.731	0.045	62.2	0.3	0.86				
00495+1640	J924	2013.925	5	4.154	0.045	309.0	0.3	0.36				
00497+2958	MLB633	2013.925	5	6.124	0.045	19.8	0.3	1.44				
00524+2910	MLB513	2014.015	5	7.298	0.036	3.3	0.3	1.88				
00562+2929	BRT4	2013.965	5	4.293	0.045	195.1	0.3	0.83				
00566+1040	STF76	2013.965	5	3.024	0.045	199.6	0.3	2.09				
00588+2441	AG10AB	2014.015	5	4.140	0.011	113.8	2.3	0.82				
01042+2256	GIC19	2013.927	5	7.430	0.046	266.1	0.3	0.29				
01076+2257	LDS9112AB	2013.927	5	9.086	0.046	72.9	0.3	4.38				
01076+2257	LDS6410	2013.925	5	8.995	0.046	220.4	0.3	2.67				
01076+2257	LDS6410	2013.966	5	8.896	0.045	221.7	0.3	2.85				
01080+2254	VYS3	2013.925	5	3.167	0.045	281.3	0.3	1.05				
01087+3930	ES1946	2013.995	5	4.491	0.046	137.0	0.3	2.32				
01113+0750	HDS156AC	2013.995	5	10.338	0.046	106.9	0.3	3.59				
01152+1949	J224	2013.995	5	5.951	0.045	263.5	0.3	3.53				
01219+2745	MLB598	2013.927	5	7.198	0.046	90.9	0.3	2.16				
01285+0338	A2316	2013.995	5	4.805	0.046	66.2	0.3	3.10				
01291+1040	XMI205	2013.966	5	5.616	0.045	213.7	0.3	6.27				
01305+0258	A2318	2013.995	5	3.790	0.046	161.0	0.3	3.84				
01325+1417	LDS1102	2013.927	5	9.532	0.046	0.3	0.3	5.11				
01336+3526	ES2142	2013.995	5	4.500	0.045	252.5	0.3	0.90				
01338+2851	LDS1104AB	2013.927	5	6.243	0.046	20.3	0.3	1.30				
01338+2851	LDS1104AC	2013.927	5	22.090	0.046	166.8	0.3	2.66				
01348+2935	BRT5	2013.927	5	5.683	0.046	214.8	0.3	1.64				
01350+2753	MLB634	2013.927	5	7.098	0.046	349.8	0.3	0.10				
01356+3447	A1914	2013.995	5	4.045	0.045	287.7	0.3	3.88				
01363+0419	BU869	2013.995	5	5.492	0.046	198.6	0.3	2.68				
01400+2611	UC16	2013.927	5	7.935	0.045	232.0	0.3	0.98				
01405+1508	J927	2013.966	5	4.090	0.045	245.8	0.3	0.45				

**Table 2** Corrected binary measurements obtained with PISCO2 in 2013-2014 and O-C residuals (cont.)

WDS	Name	Epoch	Bin.	$\rho$ ( $''$ )	$\sigma_\rho$ ( $''$ )	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	$\Delta m$	Notes	Orbit	$\Delta\rho(\text{O-C})$ ( $''$ )	$\Delta\theta(\text{O-C})$ ( $^\circ$ )
01411+1817	A2321	2013.995	5	7.348	0.126	235.1	0.3	2.24				
01411+1817	A2321	2013.966	5	7.227	0.125	235.1	0.3	2.01				
01441+3057	A947	2013.996	5	5.101	0.045	6.3	0.3	2.51				
01511+3747	ES159	2013.996	5	9.287	0.046	7.3	0.3	4.53				
01581+3953	MLB814	2013.996	5	7.312	0.045	329.9	0.3	4.96				
01584+2547	A2011	2013.966	5	3.735	0.045	294.9	0.3	3.08				
02005+2742	J646	2014.015	5	6.332	0.032	71.5	0.3	2.07				
02006+2753	J3257	2013.966	5	6.322	0.045	51.5	0.3	3.02				
02010+1354	LDS1123AB	2013.966	5	5.598	0.045	274.1	0.3	1.18				
02010+1354	LDS1123AC	2013.966	5	10.292	0.046	192.8	0.3	1.16				
02012+3147	ES2405	2014.015	5	8.284	0.041	270.1	0.3	3.63				
02012+3147	ES2405	2014.017	5	8.436	0.021	272.6	0.3	4.10				
02035+3422	A1925AB	2013.996	5	4.036	0.046	230.3	0.3	3.41				
02035+3422	A1925AC	2013.996	5	19.570	0.046	154.2	0.3	7.23				
02112+2604	BRT3260AB	2014.015	5	4.106	0.021	173.2	0.3	0.78				
02112+2604	BRT3260AC	2014.017	5	4.080	0.010	185.5	0.3	2.83	NDg			
02121+3946	MLB916	2013.996	5	4.741	0.046	312.1	0.3	2.08				
02123+1411	LDS1125	2013.966	5	6.215	0.045	5.9	0.3	4.41				
02133+2852	MLB636	2013.996	5	4.341	0.105	269.1	0.5					
02218+0058	A2326	2013.996	5	8.891	0.059	58.7	0.3					
02229+0221	BAL1254	2013.996	5	7.526	0.046	18.1	0.3	2.53				
02245+2931	MLB517	2013.996	5	4.341	0.046	25.1	0.3	1.51				
02279+3406	ES323	2014.015	5	6.972	0.035	191.0	0.3	1.09				
02297+0453	A2017	2013.996	5	3.690	0.046	64.9	0.3	3.46				
02391+1430	LV16	2013.996	5	6.106	0.045	31.5	0.3	3.69				
02415+2518	LDS1134	2013.966	5	5.985	0.04	171.2	0.3	1.39				
02421+1351	LDS3416	2013.966	5	10.458	0.063	33.8	0.4					
02428+3826	ES231	2013.996	5	4.545	0.045	83.3	0.3	1.49				
02448+3129	A826	2013.996	5	4.432	0.046	164.6	0.3	1.92				
02455+0133	HLD64	2013.996	5	5.101	0.045	219.3	0.3	2.95				
02473+1717	A2222AB	2013.966	5	4.428	0.045	302.1*	10.	4.47				
02497+3721	ES2553	2013.996	5	6.275	0.056	177.3	0.3	3.04				
02497+3721	ES2553	2013.996	5	6.329	0.057	177.3	0.3	3.04				
02523+3617	MET16	2013.996	5	4.759	0.045	12.3	0.3	5.87				
02563+2124	J232	2013.996	5	4.391	0.045	131.3	0.3	0.90				
02574+1442	HU1048	2013.996	5	3.344	0.046	311.7	0.3	3.92				
03026+0025	A1930	2013.996	5	5.533	0.046	137.0	0.3	4.51				
03036+3627	COU869	2013.996	5	4.891	0.046	106.6	0.3	3.20				
03130+3254	LDS9146AB	2013.996	5	10.479	0.045	73.1	0.3	4.38				
03130+3254	LDS9146AC	2013.996	5	23.938	0.046	138.1	0.3	4.23				
03137+3508	COU870AB	2013.996	5	3.540	0.045	93.7	0.3	2.69				
03137+3508	COU870AC	2013.996	5	18.923	0.015	149.9	0.3	4.01				
03218+3540	ES2558	2013.996	5	7.203	0.046	236.6	0.3	4.21				
03220+3546	COU1078	2013.996	5	3.763	0.046	149.9	0.3	4.13				
03233+1634	A2343	2013.996	5	5.119	0.046	15.8	0.3	3.22				
03374+2632	COU690	2013.996	5	4.209	0.046	173.4	0.3	2.29				
03396+1823	TOK14	2013.996	5	10.283	0.045	244.9	0.3	6.66				
03402+1503	HU1065	2013.996	5	2.958	0.046	343.2	0.3	2.23				
03404+2124	HU813AC	2013.996	5	12.158	0.046	274.2	0.3	8.21				
03434+2314	BOV2	2013.996	5	16.539	0.045	140.3	0.3					
03435+2340	BOV3	2013.996	5	4.218	0.046	186.9	0.3	5.46				
03438+3520	ES233	2013.996	5	34.553	0.046	167.1	0.3		Single star?			
03453+2517	BOV7	2013.996	5	6.748	0.046	32.7	0.3					
03528+0145	A2347	2013.996	5	4.172	0.045	257.0	0.3	4.70				
03563+3341	COU875AB	2013.996	5	4.245	0.045	341.1	1.3	2.17				

**Table 3** Corrected binary measurements obtained with PISCO2 in 2013-2014 and O-C residuals (cont.)

WDS	Name	Epoch	Bin.	$\rho$ (")	$\sigma_\rho$ (")	$\theta$ ( $^\circ$ )	$\sigma_\theta$ ( $^\circ$ )	$\Delta m$	Notes	Orbit	$\Delta\rho(\text{O-C})$ (")	$\Delta\theta(\text{O-C})$ ( $^\circ$ )
03563+3341	COU875AC	2013.996	5	8.386	0.045	218.7	0.3	4.73				
03599+3047	ES329	2013.996	5	6.716	0.046	266.9	0.3	2.84				
04080+2256	COU152AB,C	2013.996	5	4.304	0.045	200.9	0.3	4.07				
04197+3643	ES168	2013.996	5	7.749	0.045	275.9	0.3	3.00				
04324+1038	HDS588	2013.996	5	4.036	0.046	249.2	0.3	3.70				
04375+1418	HDS597AB	2013.996	5	6.661	0.046	80.0	0.3	3.20				
04375+1418	HDS597AC	2013.996	5	27.810	0.046	19.2	0.3	4.31				
04375+1418	HDS597CD	2013.996	5	5.592	0.046	31.5	0.3	2.37				
04407+1905	COU367	2013.996	5	4.063	0.046	48.6	0.3	3.57				
04418+2658	KOH21AB,C	2013.996	5	7.426	0.046	240.8	0.3	7.58				
04443+2017	KOH22	2013.996	5	9.532	0.046	159.1	0.3	5.63				
04458+2840	COU706	2013.996	5	5.742	0.046	124.1	0.3	5.38				
04500+2230	KOH27AB,C	2013.996	5	8.377	0.046	118.6	0.3	5.47				
04575+2014	KOH37	2013.996	5	6.779	0.045	206.3	0.3	4.91				
05025+3748	J935AC	2013.965	5	5.107	0.045	284.3	0.3	1.21				
05287+2317	COU84AB	2013.130	2	0.404	0.12	3.0	5.0					
05287+2317	COU84AB	2013.169	2	0.458	0.010	0.8*	1.1					
11152-3827	SKF1216	2013.927	5	5.010	0.046	271.3	0.3	0.85				
14491+0756	HDS2089	2013.451	2	0.465	0.016	193.9*	0.3					
16059+1041	HDS2273	2013.451	2	0.422	0.024	230.3*	0.3					
16108+2044	HU479	2013.448	2	1.911	0.019	260.6*	0.3					
16112+2111	TDS804	2013.451	2	0.955	0.018	298.0*	0.3					
16161+2936	A348	2013.451	2	1.063	0.011	150.2*	0.3					
16188+3154	HU1172	2013.451	2	1.698	0.015	327.0*	0.3					
22242+2712	HJ1760	2013.924	5	6.834	0.046	336.0	0.3	2.11				
22242+2712	HJ1760	2013.924	5	6.848	0.046	335.9	0.3	2.00				
22405+2939	CHE343	2013.924	5	6.761	0.046	45.6	0.3	3.80				
22413+1311	STF2931	2013.924	5	4.409	0.046	149.2	0.3	0.99				
22414+1755	J207	2013.924	5	3.686	0.046	184.3	0.3	2.54				
22438+1750	J209	2013.927	5	5.788	0.046	46.1	0.3	2.35				
22438+1750	J209	2013.927	5	5.756	0.046	46.0	0.3	2.31				
23082+2710	MLB627	2013.919	5	6.210	0.045	250.8	0.3	0.55				
23096+2416	HO620	2013.927	5	8.035	0.045	103.2	0.3	3.61				
23125+1233	LAS1AB	2013.927	5	6.889	0.046	256.1	0.3	0.84				
23125+1233	LAS1AC	2013.927	5	10.506	0.046	188.6	0.3	1.31				
23160+1552	SMA184	2013.919	5	7.825	0.045	177.7	0.3	2.40				
23163+1324	BRT1366	2013.924	5	3.622	0.046	181.0	0.3	0.38				
23225+2316	TDT4004	2013.924	5	7.244	0.046	346.4	0.3	0.67				
23228+1843	J3193	2013.924	5	7.162	0.045	211.4	0.3	1.08				
23258+1020	LDS5085	2013.924	5	2.557	0.046	215.5	0.3	2.46				
23260+2344	COU337	2013.924	5	3.840	0.046	335.2	0.3	3.24				
23267+1509	AG426	2013.927	5	9.328	0.046	252.9	2.3	2.40				
23284+1604	EGG5	2013.919	5	6.197	0.145	177.0	3.3	4.43				
23284+1604	EGG5	2013.924	5	6.379	0.125	176.9	3.3	4.37				
23317+1956	WIR1	2013.927	5	5.369	0.045	79.6	0.3	2.15		Izm2019	-0.02	-0.2
23389+2101	LDS5108AB	2013.919	5	9.023	0.045	201.6	0.3	2.15				
23389+2101	LDS5108AC	2013.919	5	14.837	0.045	137.4	0.3	1.26				
23393+2116	COU33	2013.919	5	5.117	0.045	324.9	0.3	2.09				
23397+1403	HEI298	2013.924	5	3.139	0.045	315.4	0.3	0.22				
23402+2641	MLB730AB	2013.927	5	4.864	0.046	309.1	0.3	0.44				
23402+2641	MLB730AC	2013.927	5	3.490	0.046	258.8	0.3	1.01	UCAC4-584-131338			
23403+1945	HO302BC	2013.924	5	7.598	0.046	71.7	0.3	2.87				
23536+1207	VYS11	2013.919	5	5.697	0.045	165.6	0.3	1.27				
23539+1207	BKO978	2013.919	5	8.114	0.045	226.1	0.3	1.95				

Notes: In column 7, the superscript \* indicates that the position angle  $\theta$  could be determined without the 180° ambiguity.