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# Relative astrometric and photometric measurements of visual binaries made with the Nice 76-cm refractor in 2008

**R. Gili**[1] and **J.-L. Prieur**[2]

[1] Observatoire de la Côte d'Azur, Département Gémini, BP 4229, 06304 Nice Cedex France
[2] Laboratoire d'Astrophysique de Toulouse-Tarbes, Université de Toulouse, CNRS, 14 avenue E. Belin, 31400 Toulouse, France

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**Key words** Stars: binaries: close – binaries: visual — astrometry – photometry — techniques: speckle interferometry, lucky imaging, direct vector auto-correlation — instruments: 76-cm refractor

We present relative astrometric and photometric measurements of visual binaries made in 2008, with the 76-cm refractor of Côte d'Azur Observatory. Our observing list contains orbital couples as well as binaries whose motion is still uncertain. Three different techniques were used for obtaining measurements: Lucky imaging, speckle interferometry and the Direct Vector Autocorrelation method. We obtained 2420 new measurements of the relative position of 2225 objects, with angular separations in the range $0''.07$ — $11''.5$, and an average accuracy of $0''.02$. The mean error on the position angles is $0^\circ.6$. We managed to observe faint systems ($m_V \approx 12$) with large magnitude difference (up to $\Delta m_V \approx 5$). We have thus been able to measure many systems containing red dwarf stars that had been poorly monitored since their discovery. We also measured the difference of magnitude of the two components of 376 objects with an estimated error of 0.1 mag. Finally, we provide a list of 33 newly discovered components of multiple or binary systems, which is a significant complement to our GII catalog.

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## 1 Introduction

This paper presents the observations of binary stars made in 2008 with the 76-cm refractor telescope ("Grand Equatorial de l'Observatoire de la Côte d'Azur"). The Lucky imaging method (basically a shift-and-add method applied to a selection of the best images) that was mainly used in 2007 (Gili & Agati, 2009) was progressively replaced in 2008 by other methods based on speckle interferometry. Data acquisition was first done with an EMCCD ANDOR LUCA detector and later by an ANDOR iXon DV885 that was acquired in July 2008 (see ANDOR, 2012). The DV885 detector has a more elaborated cooling system than the LUCA detector. Another advantage is the higher reading frequency of the DV885. As a result, our observations gained in sensitivity and velocity through the year 2008.

We briefly describe our observations in Sect. 2 and our list of targets in Sect. 3. Then we present and discuss the relative astrometric and photometric measurements in Sect. 4.

## 2 Instrumentation and observations

### 2.1 Description of the detectors LUCA and DV885

The observations presented here were carried with two EMCCD (Electron Multiplying CCD) detectors of ANDOR Technology: a LUCA and an IXON DV885. In the first semester 2008, the LUCA detector was used of the 76-cm refractor for the observations and measurements of binaries. During the summer, it was replaced by the DV885 detector and was then used as an acquiring tool on the $F/7.2$ 25-cm Zeiss finder scope of the 76-cm refractor. The LUCA detector was installed at the direct focus of the finder scope, with a resulting field of view of $12''3 \times 9''3$. The good sensitivity of the LUCA detector allowed the pointing of stars as faint as $m_V \approx 14$. During the same period, we also installed two webcams in front of the graduated right-ascension and declination circles. Since then, the pointing of stars could be easily interactively controlled from the screen of a computer transformed into a dashboard. A single person could then do the job. This allowed us to observe typically twenty binaries per hour.

The main characteristics of the two detectors used for our observations in 2008 are given in Table 1. For each one, we indicate its full format in pixels (Col. 2), the pixel size in $\mu$m (Col. 3), the digitization depth in Col. 4, i.e. the number of bits per pixels used for encod-

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ing the output values, the frequency rate (Col. 5) used for reading out the pixel data, the theoretical quantum efficiency of the detector (Col. 6), the cooling temperature that was used during our observations (Col. 7) and some comments (Col. 7), concerning the pattern method used for reading out the data. The mention "interleaved" means that the pixel electronic charges can be transferred from the sensitive matrix of the CCD to a masked interleaved matrix available on the same CCD chip. The mention "non-interleaved" is reported in Col. 7 in the absence of a masked CCD. The quantum efficiency values in Col. 6 are those given by the constructor for wavelengths in the range 550–720 nm, but they are unfortunately much smaller in practice.

For the LUCA detector, the read-out noise is 25 electrons in conventional mode and less than one electron in electron-multiplying (EM) mode. It works in interleaved mode and the images are transferred to the computer through a USB link.

For the IXON DV885, the image transfer is made with a dedicated link between the detector and a CCI-22 controller board installed on a PCI slot of the computer, which allows a reading frequency up to 27 MHz. This would correspond to an acquisition rate of 27 full-size images per second. In fact, to reduce the noise in the images, we used a lower value of 5.13 MHz for this reading frequency. Like the LUCA, this detector can be used in EM mode, which reduces the read-out-noise of the output register to less than one electron.

Compared to the LUCA, the main advantage of the DV885 for our observations was a lower noise level due to better cooling performances. Indeed the DV885 is endowed with a three-stage Peltier device that allows to cooling the detector down to $-70°$ without external heat-exchanger, whereas the LUCA detector can be cooled down to $-20°$ only.

The ANDOR SOLIS software was used for the data acquisition of both detectors. The images were recorded as three-dimensional cubes in the property SIF-format in 32 bits. They were then converted to 16-bit FITS individual images using SOLIS too. We finally processed those images in the frequential or spatial domain with a special version of the REDUC program (Losse, 2012).

### 2.2 Optical setup and observing procedure

The observations reported here were thus made with the "Grande lunette" of OCA Observatory. It is a 19th century 76-cm refractor, with a free aperture diameter of $D = 74$ cm. The limit of diffraction $\rho_D = \lambda/D$ is $0''.16$ with $\lambda = 570$ nm, which corresponds to the average central wavelength of the filters we used.

For our observing program, we magnified the images with a negative achromatic double lens ("Barlow") of $-113$ mm focal length. The astrometric calibration was done using wide well-known couples with a separation of about $5''$. Without Barlow, the focal length was found to be 17.89±0.005 m at the primary focus. With Barlow, the equivalent focal length was 25.75±0.2 m for the LUCA and 26.93±0.2 m for the DV885. This small difference is due to a different mechanical setup for the two detectors in this configuration. The corresponding scales were $0.0801''$/pixel for the LUCA and $0.0613''$/pixel for the DV885. The sampling of both detectors in the Barlow configuration is thus less than $\rho_D/2$ for $\lambda = 570$ nm. It then verifies the Nyquist-Shannon theorem in both cases, and allows measurements down to the telescope diffraction limit.

The calibration of the origin of the position angles was done recording star trails caused by the diurnal motion. We used the largest available field for this purpose, which was $53'' \times 40''$ with the DV885.

Exposure times of elementary frames were set in the range 20–30 msec for all objects, independently of their magnitudes. The standard format of the acquisition window was 128×128 pixels which corresponded to a field of view of $10''\times10''$and $8''\times8''$for the LUCA and DV885, respectively. For faint objects or wide pairs, a wider field of 256×256 pixels on the detector was used with a binning factor of $2 \times 2$ which thus amounted to 128×128 pixels for the elementary frames. The EM gain was set to values in the range 170–250 for the LUCA (the maximum possible value is 255), and to 170 for the DV885. To avoid saturation with bright objects, the EM gain was reduced and sometimes even put to "off", which corresponded to observing in conventional CCD mode.

For each object, we recorded SIF cubes of 1000 elementary images. In average $1''.2$ seeing conditions, the typical limiting $V$ magnitude was close to 14–15 with a binning mode of $1 \times 1$.

The original optical setup was rather rudimentary and in a first step no filter was used with the LUCA detector. Later we used successively:

- the IRC (IR-cut), which is a lower-pass filter rejecting all wavelengths above 700 nm;
- the Shott BG39, which is a band-pass between 350 and 600 nm;
- and the AF (anti-fringe or V-block), which is a bandpass 450–650 nm;

The AF filter was mounted on the front window of the DV885 detector. This filter considerably reduced the secondary spectrum of the 76-cm refractor, with no significant loss of energy in the $V$ band. When combined with the transmission of the lenses and the quantum efficiency response of the detector, the resulting transmission curve of those filters is close to a standard $V$ filter with a maximum around 570 nm.

Our experimental setup do not have any atmospheric dispersion correction device yet. This correction was not really needed in 2008 since we mostly limited our choice of targets to objects in the celestial northern hemisphere.

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**Table 1** Main characteristics of the two ANDOR EMCCD detectors used for our observations.

| Name | Format (pixels) | Pixel size ($\mu$m) | Digitization (bits) | Read freq. (MHz) | Quantum Eff. (%) | Cooling temp (° C) | Comments |
|---|---|---|---|---|---|---|---|
| LUCA | 658 × 496 | 10 × 10 | 14 | 12.5 | 50 | −20 | Interleaved |
| DV885 | 1004 × 1002 | 8 × 8 | 14 | 27 | 60-65 | −70 | Non-interleaved |

A basic pre-processing of the elementary frames consisted in subtracting the mean offset corresponding to the same detector setup. For this purpose, series of 1000 offset frames (i.e. short-exposured dark frames) were recorded each night to SIF cubes, with different detector setups.

The FWHM (Full Width at Half Maximum) seeing was estimated with a series of 25 frames obtained with a one-second integration of a single star. Those data were first processed with a shift-and-add procedure in order to cancel the possible drifting motion of the telescope.

### 2.3 Lucky imaging

In the case of good seeing conditions, shift-and-add processing of a subset of selected good images can lead to high resolution images. Indeed, with a Kolmogorov atmospheric turbulence there is a non-null probability of getting short-exposure frames at the diffraction limit for the instrument. The corresponding FWHM (Full Width at Half Maximum) of those images is then close to $s_0 = \lambda/D$, where $D$ is the diameter of the aperture and $\lambda$ the central wavelength of the filter used for those observations. Fried (1978) called those images "lucky images" and showed that, in the case of a turbulence characterized with a "Fried parameter" $r_0$, the probably of obtaining a such a 'good image' was:

$$p(s_0) \approx 5.6 \ \exp\left[-0.1557(D/r_0)^2\right]$$

More precisely, such an image corresponds to the case when the standard deviation of the tilt-corrected wavefront distortion phase is less than one radian over the aperture. This probability is very small for large apertures and decreases exponentially with the seeing, which makes Lucky imaging impossible to implement with medium or poor seeing conditions.

When the FWHM seeing is $s_0 = 1''$ for $\lambda = 570$ nm (i.e. $r_0 = 12$ cm) $p(s_0) = 1.5 \times 10^{-2}$ only for a 74-cm aperture. Fortunately, a larger selection can be used in practice. We experimentally found that a selection of about 3 to 10% of the best images of our 1000-frame SIF cubes (see Sect. 2) often led to very nice shift-and-add images, with clear Airy rings and a final resolution close to the diffraction limit of the 76-cm refractor (see Fig. 1).

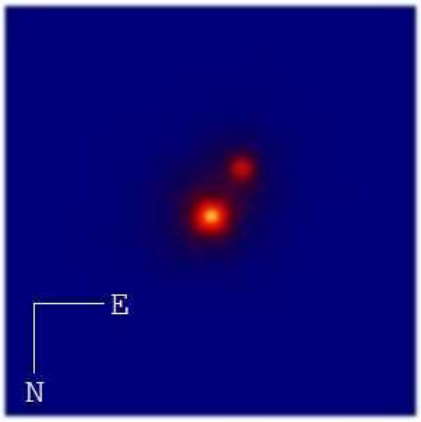


**Fig. 1** Example of Lucky imaging of the binary star WDS16509+4259 A575 ($\theta = 144°$, $\rho = 0.''7$, $\Delta m$=0.6) obtained by the shift-and-add computation of a selection of 60 frames (DV885 iXon detector).

When the "lucky images" were very noisy, we filtered them with wavelets or with an "over-sampling Spline-method" by a factor of 3 using the IRIS software (Buil, 2012).

The final images were then processed with the REDUC software (Losse, 2012) that provided the $\theta$, $\rho$ and $\Delta m$ measurements. We could measure couples with very large differences of brightness, up to 4–5 magnitudes (see Sect. 4). Compared to the speckle interferometry (see Sect. 2.4), the main advantage of "lucky imaging" is to provide a full image which is convenient for the determination of the quadrants (where lie the companions) and of the difference of magnitudes between the two components. As we will see in Sect. 2.5, the DVA method can also lead to an independent determination of those two parameters.

### 2.4 Speckle interferometry

The pioneering work of Labeyrie (1970) showed that high resolution information could be extracted from short-exposures by computing the average power spectrum of those exposures. This technique is known as "speckle interferometry". The first attempt of this kind of processing for our observations was done in December 2007 using some elementary frames that had already been processed with "lucky imaging". As this

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experiment was successful, speckle interferometry became for us the "standard" way of processing in 2008.

Speckle interferometry processing was done with the software REDUC (Losse, 2012), which was kindly specially adapted to our application by F. Losse. For each elementary frame of the 1000-frame SIF cube, this software performed the following steps:

- pre-processing with the subtraction of a mean offset frame,
- Fourier transform using the FFT (Fast-Fourier-Transform) algorithm,
- addition of the square of this Fourier transform to build a mean power spectrum.

When all the frames were processed in this way, the final step consisted in computing the inverse Fourier transform of the mean power spectrum, which led to the mean auto-correlation of the elementary frames. In the case of a resolved binary star, the autocorrelation exhibits three peaks that are superimposed on a strong central background pattern (see Fig. 2).

In conventional speckle interferometry (Labeyrie, 1970), the power spectrum of the object is "divided" by that of a calibration single star before computing the mean auto-correlation (in fact this division in Fourier domain is implemented as a deconvolution in the direct space). This star needs to be located close to the object and observed just before or after this object in order to have similar atmospheric turbulence conditions. This operation allows the removal from the autocorrelation frame of the central background pattern caused by the atmospheric turbulence.

A drawback of this way of doing is the need of observations of calibration stars. There is a way out and the central background of the auto-correlations can be removed in a simpler manner, by filtering them, for example with wavelet filter using the IRIS software (Buil, 2012) as shown in Fig. 2. We experimentally found another solution, and divided the mean power spectrum of the target with that of the mean offset, before computing the inverse FFT leading to the auto-correlation. In fact this amounts to performing a strioscopic filtering of the auto-correlation.

### 2.5 Direct Vector Autocorrelation method (DVA)

Conventional speckle interferometry, is based on the computation of the mean autocorrelation function of short exposured frames. This function is symmetric relative to the origin and does not contain any information about the location of the companion of the binaries. As a consequence, the speckle measurements of the position angles of binaries have an ambiguity of 180°. To solve this problem, Bagnuolo et al (1992) proposed to compute the direct vector autocorrelation (DVA), that is the "oriented" autocorrelation function that takes into account the brightness level of the vector ends. The DVA allows the quadrant determination and the measurement of $\Delta m$ when the contrast is not too large (e.g. $\Delta m < 2$). An example of DVA is shown in Fig. 3. Like for auto-correlations, the measurements of $\rho$ and $\theta$ in the filtered DVA images are deduced from the positions of the photo-centers of the secondary peaks. The contrast between those peaks leads to a measurement of the magnitude difference $\Delta m$ between the two components of the binary. Those determinations were done with the REDUC software (Losse, 2012).

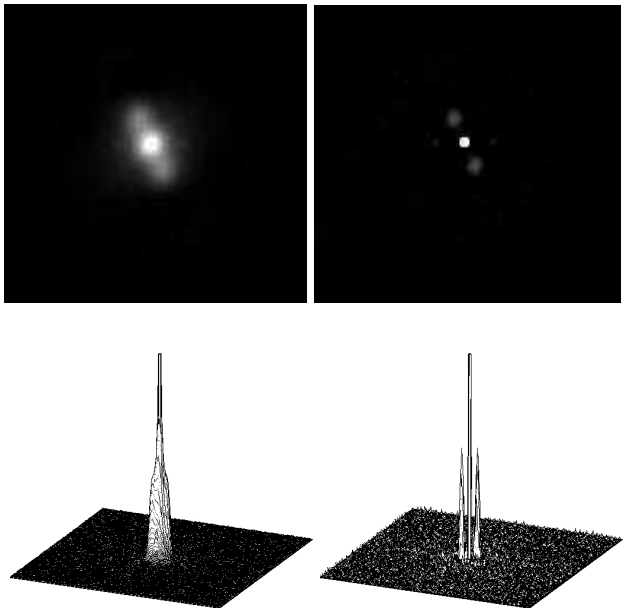

**Fig. 2** Example of speckle interferometry processing of the binary star A1376 ($\theta = 32°$, $\rho = 0.''4$, $\Delta m$=0). Top: raw auto-correlation (left) and filtered version with wavelets (right). Bottom: 3D plots of those images in linear scale. The maxima of the raw and filtered images are 3000 and 300 ADU, respectively. North is to the bottom and East to the left.

## 3 Observing list

Our list of targets basically includes all the visual binaries for which new measurements are needed to improve their orbits, that are accessible with our instrumentation. Among those, we particularly favoured the objects discovered by P. Couteau (see Couteau, 1999 and Le Contel et al., 2001), since they are not often observed by other observers because most of them are rather faint and have a small separation. Furthermore they are particularly well suited to the 76-cm refractor and this site, since most of them they were discovered in Nice.

The distribution of the apparent magnitudes $m_V$ of the primary components of the binaries observed in 2008 is presented in Fig. 4a and the difference of magnitudes $\Delta m_V$ between the two components in Fig. 4b.

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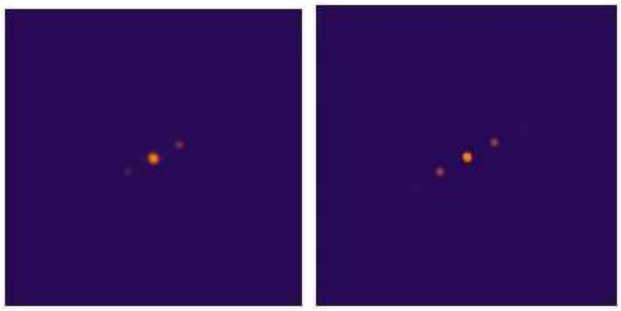

**Fig. 3** Example of DVA processing of the binary star STF2972 ($\theta = 299°$, $\rho = 0.''8$, $\Delta m$=0.02). DVA file (left) and autocorrelation (right) with the same orientation as Fig. 2. Both files have been filtered with wavelets. In the DVA image, the location of the fainter peak corresponds to the position of the companion. Conversely, the autocorrelation is symmetrical and does not contain any quadrant information. Here the DVA indicates that the companion lies in the 4th quadrant.

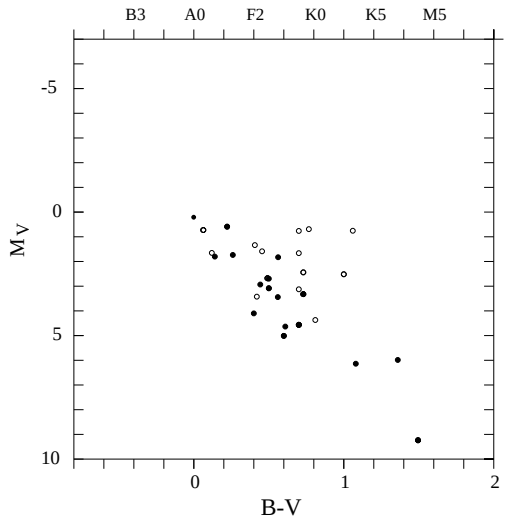


**Fig. 5** HR diagram of the binaries measured in Table 4.1, for which Hipparcos parallaxes were obtained with a relative error smaller than 50% (in open circles, 46 objects) or less than 20% (in filled circles, 30 objects).

Those data was retrieved from the "Washington Double Star Catalogue" (Mason et al., 2012, hereafter: WDS). The telescope aperture and detector sensitivity led to a limiting magnitude of $m_V \approx 14$ for the faintest companions, which corresponded to about $m_V \approx 12$ for the binary systems (see Fig. 4a).

When using a square search box with a 1 arcmin side, we only found 58 objects of this list that have been observed by Hipparcos, from which only 46 were measured with a relative error smaller than 50%. Using the Hipparcos parallaxes, we have been able to compute absolute magnitudes and derive the HR diagram that is displayed in Fig. 5. A large part of the HR diagram is covered by our sample, including some faint and cool main sequence stars. It should be noted that those stars cannot be observed for instance with the speckle camera PISCO (Pupil Interferometry Speckle camera and COronagraph, Prieur et al., 1998) in Merate, although it uses a larger telescope (1-meter in diameter). The reason is that the seeing conditions are worse than in Nice, which leads to a limiting magnitude of $m_V \approx 11$ only (see Scardia et al., 2011).

## 4 Relative astrometric and photometric measurements

The relative astrometric and photometric measurements obtained in 2008 are displayed in Table 4.1.

For each binary we successively give its WDS index in Col. 1, the name of the discoverer (Col. 2), the magnitude of the primary ($m_{VA}$) (Col. 3), the difference of magnitudes $\Delta m_V$ between the two components from the WDS data base (Col. 4), the epoch of observation in Besselian years (Col. 5), the position angle $\theta$ of the companion in degrees, measured from the North and positive to the East (Col. 6), the angular separation $\rho$ in arcseconds between the two components (Col. 7), the measured difference of magnitudes $\Delta m_F$ between the two components (Col. 8), and the filter $F$ used in Col. 9 (see Sect. sec:observing-procedure). In Col. 10, the mention '(ni)' is added when the $\rho$, $\theta$ measurements were not obtained with speckle interferometry (i.e. they were determined with the DVA method or with lucky imaging). The letter 'b' indicates that the measurements were obtained in the binning mode with bins of 2×2 pixels (see Sect. 2.1). In Col. 10, we also give some other information when the measurements could not be done: 'S' for Single star (i.e., not seen as double), 'NR' for Non-Resolved, although seen as double, and in some cases an estimate of the upper limit for the separation in arcseconds (e.g. <0.16 for 00122+4647). In this column, we also indicate our determination of the quadrant and the method used for this determination: 'ly' for Lucky imaging (see Sect. 2.3) or 'dv' for DVA (Direct vector Autocorrelation, see Sect. 2.5). The quadrants are noted 1Q, 2Q, 3Q and 4Q for the first (North-East), second (South-East), third (South-West) and fourth (North-West) quadrant, respectively. The last three columns of Table 4.1 are dealing with the residuals and will be presented in Sect. 4.2.

Some objects were observed without any filter because they were too faint. This is indicated by the absence of any mention in the filter column (Col. 8). The transmission of the equivalent filter then corresponds to the combination of the quantum efficiency of an EM-CCD detector multiplied by the transmission of the optics. The resulting bandpass is 420 nm-wide and centered on 570 nm. It is similar to that of a $V$ filter.

The difference of magnitudes $\Delta m_F$ with the filter $F$ that we used for the observations, was obtained either


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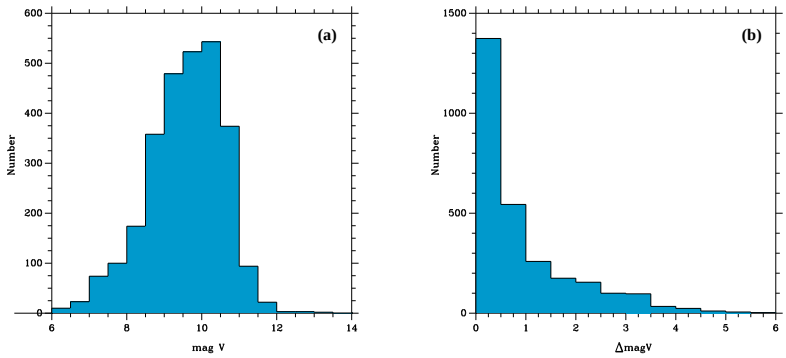


**Fig. 4** Distribution of the visual magnitudes of the binary systems observed in 2008 (a) and distribution of the corresponding differences of magnitude $\Delta m_V$ between the two components (b). These data were extracted from the WDS.

from the Lucky Imaging or the DVA method. This is indicated with 'ly' or 'DVA' in Col. 10, and concerns 376 objects (see Fig. 6b). The average errors are estimated at 0.1 mag. We have added ':' when the measurements had a large uncertainty. In Fig. 6c we have plotted our measurements $\Delta m_F$ versus the WDS values ($\Delta m_V$). There is a fair correlation between the two. The big scatter shows that the relative photometry of many systems is still poorly known in the literature and that photometric observations are really needed.

The distribution of the 2420 angular separations measured in this paper is displayed in Fig. 6a and shows a maximum for $\rho \approx 0''.65$. The largest separation of $\rho = 10''.96$ was obtained for STT461AB. The smallest separation was measured for MLR615 with $\rho = 0''.065$. This is smaller to the diffraction limit of $\rho_D = \lambda/D$ is $0''.16$ with our $V$ filter (i.e. $\lambda = 570$ nm) and the refractor whose free aperture is $D = 0.74$ m. Some other objects could be measured under this limit. The closest separations, less than $0''.10$, that we obtained in 2008 are listed in Table 3.

Among the 2774 observations, we were able to derive 2420 position measurements. There are 354 cases of unresolved observations. The average errors are estimated at $0''.02$ and $0°.6$ for $\rho$ and $\theta$ respectively. When the measurements had a large uncertainty, we added ":" after the corresponding values.

### 4.1 Case of HDS 3080 Aa,Ab, SKF245AC (HIP 106811)

HIP 106811 is a nearby star ($\pi$ = 76 mas) with a large proper motion of 472 mas/yr in right ascension and −75 mas/yr in declination. It is a dwarf M0-type star. Only three observations of HDS 3080 Aa,Ab are reported in the "Fourth Catalogue of Interferometric Measurements of Binary Stars" (Hartkopf et al., 2012, hereafter IC4). It was unresolved with the 6-m Russian BTA telescope (Balega, 1989) which means that $\rho$ was less than $0''.05$. Hipparcos (ESA, 1997) reported a positive detection at $\rho = 0''.167$, from which

**Table 3** Closest binaries measured in 2008 with $\rho < 0''.10$ (which is smaller than the diffraction limit).

| WDS | Name | $\rho$ (arcsec) |
|---|---|---|
| 22394+5503 | MLR615 | 0.065 |
| 02415+4053 | COU1511 | 0.077 |
| 03284+2248 | BAG2Aa,Ab | 0.081 |
| 19302+5639 | A712 | 0.081 |
| 02022+3643 | A1813AB | 0.083 |
| 20454+7000 | MLR93 | 0.084 |
| 02183+4120 | COU1670 | 0.097 |
| 04100+4235 | COU1702 | 0.100 |

Söderhjelm (1999) computed an orbit with $P = 68$ yr, and $a$=$1''.5$. The corresponding ephemerides for the epoch of our observations are $\theta = 274°$, $\rho = 1''.17$, but we did not see any companion at (or around) this location and reported 'S' for Single, in Col. 10 of Table 4.1. It should be noted that the Hipparcos measurement is qualified as dubious in the IC4, and reported with the mention 'slit error'. The orbit derived by Söderhjelm from those measurements is therefore likely to be erroneous, which would explain our lack of detection at $0''.2$.

We did see a faint companion close to HIP 106811, at a larger distance with $\rho \approx 3''.1$ and $\Delta m \approx 4.5$. We first thought it was a new discovery, but we then found another observation made in 2000 with $\rho = 2''.7$ and $\Delta m = 4.5$ that is reported as SKF245AC in the WDS. Our two observations of 2008.587 and 2008.596 are the first confirmation of this new binary. We did not find any other measurement of a companion of HIP 106811 in the literature.

### 4.2 Comparison with published ephemerides

The $(O - C)$ (Observed minus Computed) residuals of the measurements for the systems with a known orbit in Table 4.1 are displayed in Cols. 11 and 12 for the position angle $\theta$, and separation $\rho$, respectively. A '$Q$' was

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (short version: beginning only)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00014+4828 | COU1850 | 10.6 | 0.1 | 2008.587 | 8.6 | 0.683 | | IRC | 1Q-ly | | | |
| 00016+6437 | MLR79 | 9.5 | 3.5 | 2008.779 | 243.6 | 2.061 | | AF | 3Q-dv-b | | | |
| 00024+1047 | A1249AB | 9.4 | 0.5 | 2008.574 | — | — | | IRC | S | | | |
| 00024+5030 | COU2350 | 7.7 | 1.5 | 2008.639 | 116.0 | 0.446 | | IRC | 2Q-ly | | | |
| 00031+6942 | BU861AB | 11.3 | 0.2 | 2008.779 | 177.1 | 1.541 | 0.5 | AF | dv-b (ni) | | | |
| 00031+6942 | BU861AB | 11.3 | 0.2 | 2008.779 | 177.1 | 1.554 | | AF | b | | | |
| 00033+5332 | A1500AB | 9.8 | 0.3 | 2008.639 | 54.7 | 0.280 | | IRC | | | | |
| 00034+6338 | CHR121 | 8.3 | 1.8 | 2008.779 | — | — | | AF | S | | | |
| 00050+6631 | MLR101 | 8.7 | 3.2 | 2008.779 | 125.7 | 1.765 | | AF | 2Q-dv | | | |
| 00054+3348 | COU646 | 10.8 | 0.0 | 2008.664 | 150.1 | 0.469 | | IRC | | | | |
| 00055+2736 | J865AB | 10.7 | 0.6 | 2008.710 | 80.0 | 1.537 | | IRC | 1Q-dv | | | |
| 00062+2346 | HU401 | 10.8 | 0.2 | 2008.669 | 36.1 | 0.870 | | IRC | | | | |
| 00064+3436 | HU1001 | 9.0 | 1.7 | 2008.710 | 181.2 | 1.983 | | IRC | 3Q-dv | | | |
| 00066+4328 | COU1351 | 10.8 | 0.6 | 2008.587 | 41.7 | 0.965 | | IRC | 1Q-ly | | | |
| 00071+6309 | MLR105Aa | 10.5 | 0.1 | 2008.779 | 47.1 | 0.589 | | AF | 1Q-dv | | | |
| 00078+6321 | HU1002 | 9.2 | 0.3 | 2008.779 | 280.0 | 0.449 | | AF | 4Q-dv | | | |
| 00084+1843 | COU246 | 10.1 | 0.6 | 2008.710 | 252.3 | 1.626 | 0.6 | IRC | dv (ni) | | | |
| 00095+1907 | COU247 | 8.3 | 1.7 | 2008.574 | 258.1 | 0.308 | | IRC | 3Q | −7.5 | −0.038 | Bln2000 |
| 00104+5831 | BU253Ba | 8.9 | 0.1 | 2008.820 | 31.8 | 0.454 | | AF | | | | |
| 00104+5831 | BU253Ba | 8.9 | 0.1 | 2008.820 | 32.2 | 0.395: | 0.3 | AF | dv (ni) | | | |
| 00108+5846 | BU485Ca | 8.8 | 0.7 | 2008.779 | — | — | | AF | S | | | |

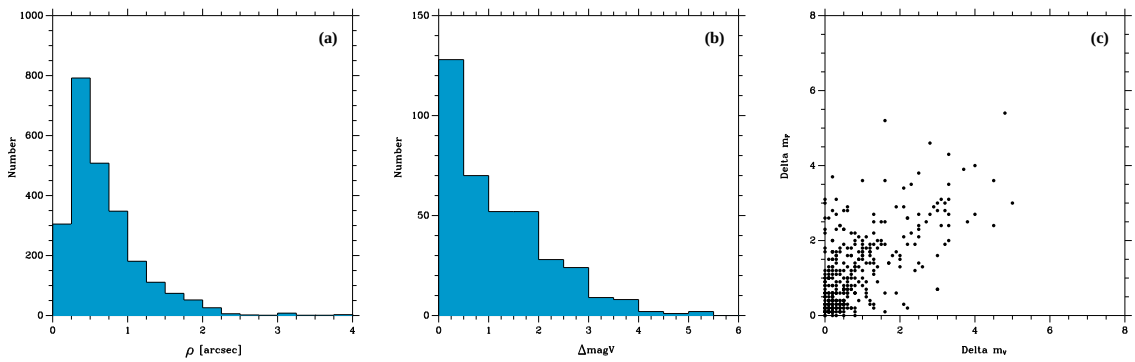


**Fig. 6** Distribution of the angular separations of the 2420 measurements of Table 4.1 (a), and of the differences of magnitude $\Delta m_F$ actually measured (b). At right (c), plot of $\Delta m_F$ versus $\Delta m_V$, which was reported in the WDS.

added to $\theta$ residuals when the quadrants of the measurements were not in agreement with those used for the orbits. The orbital elements used for computing the ephemerides were retrieved from the "Sixth Catalogue of Orbits of Visual Binary Stars" (Hartkopf & Mason, 2009, hereafter OC6). The corresponding authors are given in Col. 13, using the style of the OC6 references.

Fig. 7 shows that the 330 corresponding residuals are well centered around the origin, with a rather large scatter that can be explained by the poor quality of many orbits due to a lack of observations. The mean values computed with the residuals of Table 4.1 are $< \Delta\rho_{O-C} >= 0''.03 \pm 0''.09$ and $< \Delta\theta_{O-C} >= -2°.6 \pm 19°.2$. In both cases, the offsets are much smaller than the standard deviations which provides a validation of our calibration (see Sect. 2.2).

### 4.3 Newly discovered systems

During those observations and later we discovered new components of binary systems, that are listed in Table 4. They represent a significant complement to our GII catalog (GII is the WDS code used for 'Gili') with 33 new binaries. Most of them were discovered by chance, when pointing the telescope to known binary systems.

In Table 4, we give for each object the new denomination (Col. 1), the epoch of observation (Col. 2), the coordinates in the WDS format (Col. 3), the visual magnitudes of the two components in Cols. 4 and 5, the $\theta$, $\rho$, and $\Delta m_V$ measurements that we obtained with the 76-cm refractor (Cols. 5, 6 and 7), the telescope used for the discovery in Col. 8 (L76 for the 76-cm Nice refractor, and L25 for the 25-cm Nice refractor), and

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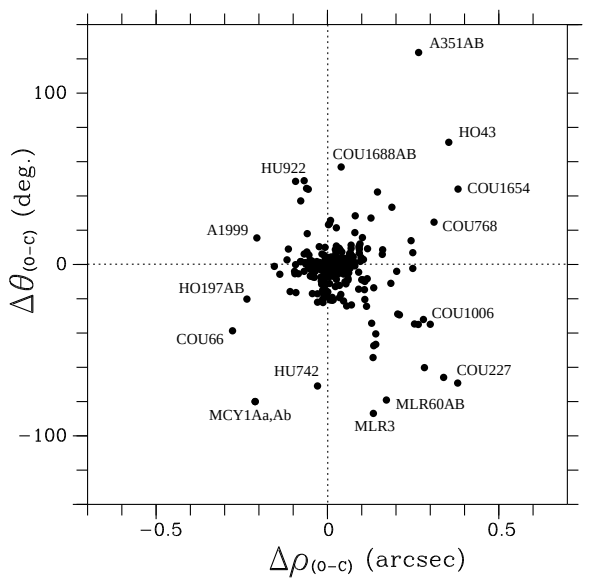


**Fig. 7** Residuals of the position measurements of Table 4.1 relative to the published orbits.

some additional information in Col. 9. Those notes indicate the multiple known system to which the discovered companion can be associated (e.g. "in COU1452' for GII 3 AC), or a multiple system close to it.

In Col. 3, the 9-digit WDS name is used when the discovery concerns a new companion for a known binary or multiple system. Otherwise, we computed the coordinates and provided 12 digits for a larger accuracy. The magnitude $m_{VA}$ of Col. 4 corresponds to the value reported in the WDS for partially known systems or in the Strasbourg SIMBAD data base for entirely new systems. The magnitude $m_{VB}$ was derived from our measurement reported in Col. 8.

## 5 Conclusion

In this paper, we have presented the measurements obtained in 2008, which was an important epoch for us, when referring to the evolution of the methods used both for our observations and the data processing. Indeed during this year, we acquired a new EMCCD detector, an ANDOR IXON DV885, whose good sensitivity allowed us to take full advantage of speckle techniques.

As a result, we obtained 2420 new position measurements of 2225 visual binaries with the 76-cm refractor in Nice, with an average accuracy of $0''.02$ for the angular separation and $0°.6$ for the position angles. We observed faint systems ($m_V \approx 12$) with large magnitude difference (up to $\Delta m_V = 5$). We were thus able to measure red dwarf stars that had been poorly monitored. We also measured the difference of magnitude of the two components for 376 objects with an estimated error of 0.1 mag. This work is thus a good contribution to the continuing monitoring of long period visual binary systems, which is important for refining systemic stellar masses.

Finally, we also provided a list of 33 newly discovered components of multiple or binary systems, which is a significant complement to our GII catalog.

A speckle camera PISCO2 is now in project, with a filter wheel, a remote focusing system, and an ADC (Atmospheric Dispersion corrector). It will be a simplified version of PISCO that was first developed in 1993 for the 2-meter Bernard Lyot telescope (Pic du Midi, France) and has been in operation on a dedicated 1-meter telescope in Merate (Brera Observatory, Italy) since 2004 (Prieur et al., 1998, Scardia et al., 2011).

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This work has made use of the "Fourth Catalogue of Interferometric Measurements of Binary Stars" (http://ad.usno.navy.mil/wds/int4), the "Sixth Catalogue of Orbits of Visual Binary Stars" (http://ad.usno.navy.mil/wds/orb6), the Washington Double Star Catalogue maintained at the U.S. Naval Observatory, (http://ad.usno.navy.mil/wds/wds), the SIDONIe (Site Informatique des étoiles DOubles de Nice) http://sidonie.obs-nice.fr and the SIMBAD data base (http://simbad.u-strasbg.fr/simbad) operated by the *Centre de Données Astronomiques de Strasbourg* (France).

## References

ANDOR, 2012, ANDOR technology http://www.andor-tech.com
Balega, I.I., Balega, Y.Y., Vasyuk, V.V., Tokovinin, A.A., 1991, Sov. Astron. Lett., 17, 226
Bagnuolo, W.G., Mason, B.D., Barry, D.J., Hartkopf, W.I., McAlister, H.A., 1992, AJ, 103, 1399
Buil, C., 2012, IRIS software http://www.astrosurf.com/buil/us/iris/iris.htm
Couteau, P., 1999, Cat. de 2700 Etoiles Doubles "COU", Publ. obs. Côte d'Azur, Nice, France
ESA, 1997, The Hipparcos and Tycho Catalogues, ESA SP-1200, ESA Publications Division, Noordwijk
Fried, D.L., 1978, JOSA, 68, 1651
Gili, R., Agati, J.-L., 2009, Observations & Travaux, 74, 14
Labeyrie A., 1970, A&A, 6, 85
Losse, F., 2012, REDUC, data processing software (v 3.75, 2001-2007) http://www.astrosurf.com/hfosaf/
Hartkopf, W.I., Mason, B.D., 2012, "Sixth Catalogue of Orbits of Visual Binary Stars" http://ad.usno.navy.mil/wds/orb6.html (OC6)
Le Contel, D., Valtier, J.-C., Bonneau, D., 2001, A&A, 377, 496, Site Informatique des étoiles DOubles de Nice (SIDONIe) http://sidonie.obs-nice.fr

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**Table 4** New binary stars discovered in 2008–2010 (complement to GII catalog)

| Name | Epoch | Coordinates | $m_{VA}$ | $m_{VB}$ | $\theta$ | $\rho$ | $\Delta m_V$ | Tel. | Notes |
|---|---|---|---|---|---|---|---|---|---|
| GII 3 AC | 2008.475 | 16476+4255 | 10.9 | 13.7 | 57.3 | 1.947 | 2.8 | L76 | in COU1452 |
| GII 4 AB | 2008.587 | 205304+262932 | 9.3 | 11.7 | 138.0 | 7.875 | 2.4 | L76 | |
| GII 4 AC | 2008.587 | 205304+262932 | 9.3 | 13.8 | 297.3 | 11.047 | 4.5 | L25 | |
| GII 5 | 2008.596 | 184657+154103 | 10.5 | 11.2 | 100.9 | 5.319 | 2.7 | L76 | Tyc1583-01347-1 |
| GII 6 | 2008.639 | 231908+472250 | 13.0 | 13.0 | 96.7 | 9.759 | — | L25 | Tyc3640-01655-1 |
| GII 7 AC | 2008.639 | 00282+5028 | 10.3 | 12.1 | 334.0 | 15.539 | 1.8 | L25 | in HU1008 |
| GII 8 | 2008.648 | 221130+574213 | 13.1 | 14.2 | 124.1 | 4.21 | — | L25 | |
| GII 9 | 2008.656 | 215239+653526 | 12.8 | 14.1 | 340.0 | 8.53 | 1.3 | L25 | |
| GII10 | 2008.656 | 215258+653546 | 11.1 | 12.8 | 173.0 | 8.89 | 1.7 | L25 | |
| GII11 | 2008.656 | 215317+6535 | 11.2 | 12.1 | 53.1 | 6.13 | 0.9 | L25 | |
| GII12 | 2008.664 | 221703+433427 | 12.6 | 13.6 | 105.0 | 9.18 | 1.0 | L25 | close to COU1982 |
| GII13 | 2008.664 | 001204+332713 | 12.5 | 13.9 | 59.6 | 8.45 | 1.4 | L25 | close to COU649 |
| GII14 AB | 2008.669 | 195021+372111 | 11.0 | 12.4 | 334.5 | 9.213 | 1.4 | L25 | close to COU2285 |
| GII14 AB | 2008.689 | 195021+372111 | 11.0 | 12.4 | 334.3 | 9.180 | 1.4 | L25 | |
| GII14 BC | 2008.669 | 195021+372111 | 12.7 | 13.7 | 328.5: | 2.668: | 0.0 | L76 | |
| GII14 BC | 2008.689 | 195021+372111 | 12.7 | 13.7 | 326.8 | 2.353 | 1.0 | L76 | |
| GII15 | 2008.689 | 201624+323742 | 12.5 | 13.3 | 232.1 | 9.77 | — | L25 | close to Tyc2676-00294-1 |
| GII16 AB-C | 2008.689 | 22327+3936 | 10.0 | 13.3 | 238.6 | 10.32 | 3.3 | L25 | in COU1834 |
| GII19 | 2009.603 | 214931+512730 | 12.7 | 13.3 | 339.3 | 5.72 | 2.0 | L76 | |
| GII20 AB-C | 2009.605 | 18475+1537 | 10.0 | 12.8 | 102.6 | 8.09 | 2.8 | L76 | in HU584 |
| GII23 | 2009.627 | 1901049+373113 | 12.1 | 13.1 | 330.4 | 3.83 | 1.0 | L76 | Tyc3120-01018-1 |
| GII24 AB-C | 2009.627 | 19452+3829 | 10.0 | 15.2 | 141.2 | 3.687 | 5.2 | L76 | in COU2408 |
| GII25 | 2009.712 | 0050156+783845 | 12.0 | 13.6 | 159.2 | 5.35 | 1.6 | L76 | Tyc4497-00266-1 |
| GII26 AB-C | 2010.287 | 13053+6052 | 9.0 | 15.0 | 215.1 | 3.680 | 6.0: | L76 | in MLR 154 |
| GII27 | 2010.375 | 135949+092557 | 11.8 | 12.3 | 315.1 | 0.65 | — | L76 | Tyc0901-00284-1 |
| GII28 AB-C | 2010.600 | 20044+1715 | 9.2 | 14.2 | 107.3 | 3.842 | 5.0 | L76 | in COU325 |
| GII29 AB-C | 2010.600 | 21138+3711 | 11.0 | 12.3 | 337.2 | 9.248 | 1.6 | L25 | in COU1816 |
| GII30 AB-C | 2010.600 | 21183+4140 | 10.4 | 12.3 | 188.2 | 12.944 | 2.7 | L25 | in COU2302 |
| GII31 AB-C | 2010.649 | 22205+4817 | 9.6 | 17.0: | 97.3 | 3.852 | 8.0: | L76 | in A186 |
| GII32 AB-C | 2010.649 | 21232+4258 | 10.0 | 14.5 | 50.5 | 5.034 | 4.5 | L76 | in COU2304 |
| GII33 Aa | 2010.674 | 19347+2854 | 8.9 | 10.7 | 203.4 | 0.319 | 1.8: | L76 | in COU1031 |
| GII33 Aa-C | 2010.674 | 19347+2854 | 8.9 | 14.5: | 62.6 | 4.974 | 5.5: | L76 | in COU1031 |
| GII34 AB-C | 2010.674 | 19517+4003 | 9.4 | 17.1 | 247.2 | 3.236 | 7.7 | L76 | in COU2531 |
| GII35 AB-C | 2010.674 | 22300+5122 | 9.9 | 13.0 | 193.1 | 6.064 | 3.1 | L76 | in HU1318 |
| GII36 AB-C | 2010.674 | 23199+2844 | 9.2 | 15.5 | 142.0 | 2.385 | 6.3 | L76 | in COU439 |

Mason, B.D., Wycoff, G.L., Hartkopf, W.I., 2012, "Washington Double Star Catalogue" http://ad.usno.navy.mil/wds/wds.html (WDS)

Hartkopf, W.I., Mason, B.D., Wycoff, G.L., McAlister, H.A., 2012, "Fourth Catalogue of Interferometric Measurements of Binary Stars" http://ad.usno.navy.mil/wds/int4.html (IC4)

Prieur, J.-L, Koechlin, L., André, C., Gallou, G., Lucuix, C., 1998, Experimental Astronomy, vol 8, Issue 4, 297

Scardia, M., Prieur, J.-L., Pansecchi, L., Argyle, R.W., Sala, M., 2011, Astron. Nach., 332, 508

Söderhjelm, S., 1999, A&A 341, 121

SIMBAD data base from CDS (Centre de Données Stellaires de Strasbourg) http://simbad.u-strasbg.fr/simbad (CDS)

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (full version, beginning)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00014+4828 | COU1850 | 10.6 | 0.1 | 2008.587 | 8.6 | 0.683 | | IRC | 1Q-ly | | | |
| 00016+6437 | MLR79 | 9.5 | 3.5 | 2008.779 | 243.6 | 2.061 | | AF | 3Q-dv-b | | | |
| 00024+1047 | A1249AB | 9.4 | 0.5 | 2008.574 | — | — | | IRC | S | | | |
| 00024+5030 | COU2350 | 7.7 | 1.5 | 2008.639 | 116.0 | 0.446 | | IRC | 2Q-ly | | | |
| 00031+6942 | BU861AB | 11.3 | 0.2 | 2008.779 | 177.1 | 1.541 | 0.5 | AF | dv-b (ni) | | | |
| 00031+6942 | BU861AB | 11.3 | 0.2 | 2008.779 | 177.1 | 1.554 | | AF | b | | | |
| 00033+5332 | A1500AB | 9.8 | 0.3 | 2008.639 | 54.7 | 0.280 | | IRC | | | | |
| 00034+6338 | CHR121 | 8.3 | 1.8 | 2008.779 | — | — | | AF | S | | | |
| 00050+6631 | MLR101 | 8.7 | 3.2 | 2008.779 | 125.7 | 1.765 | | AF | 2Q-dv | | | |
| 00054+3348 | COU646 | 10.8 | 0.0 | 2008.664 | 150.1 | 0.469 | | IRC | | | | |
| 00055+2736 | J865AB | 10.7 | 0.6 | 2008.710 | 80.0 | 1.537 | | IRC | 1Q-dv | | | |
| 00062+2346 | HU401 | 10.8 | 0.2 | 2008.669 | 36.1 | 0.870 | | IRC | | | | |
| 00064+3436 | HU1001 | 9.0 | 1.7 | 2008.710 | 181.2 | 1.983 | | IRC | 3Q-dv | | | |
| 00066+4328 | COU1351 | 10.8 | 0.6 | 2008.587 | 41.7 | 0.965 | | IRC | 1Q-ly | | | |
| 00071+6309 | MLR105Aa | 10.5 | 0.1 | 2008.779 | 47.1 | 0.589 | | AF | 1Q-dv | | | |
| 00078+6321 | HU1002 | 9.2 | 0.3 | 2008.779 | 280.0 | 0.449 | | AF | 4Q-dv | | | |
| 00084+1843 | COU246 | 10.1 | 0.6 | 2008.710 | 252.3 | 1.626 | 0.6 | IRC | dv (ni) | | | |
| 00095+1907 | COU247 | 8.3 | 1.7 | 2008.574 | 258.1 | 0.308 | | IRC | 3Q | −7.5 | −0.038 | Bln2000 |
| 00104+5831 | BU253Ba | 8.9 | 0.1 | 2008.820 | 31.8 | 0.454 | | AF | | | | |
| 00104+5831 | BU253Ba | 8.9 | 0.1 | 2008.820 | 32.2 | 0.395: | 0.3 | AF | dv (ni) | | | |
| 00108+5846 | BU485Ca | 8.8 | 0.7 | 2008.779 | — | — | | AF | S | | | |
| 00113+5958 | A901 | 9.1 | 1.4 | 2008.820 | 99.6 | 0.867 | | AF | | | | |
| 00115+1940 | COU248 | 9.5 | 3.0 | 2008.710 | 321.3: | 2.103: | | IRC | | | | |
| 00118+2825 | BU255 | 7.9 | 1.1 | 2008.669 | 68.6 | 0.458 | | IRC | 1Q-ly | | | |
| 00121+5337 | BU1026Aa-B | 7.2 | 1.2 | 2008.639 | 308.4 | 0.332 | | IRC | 4Q-ly | −3.4 | −0.002 | Hrt1996a |
| 00121+6826 | MLR281 | 8.6 | 3.4 | 2008.779 | 219.8 | 0.695 | | AF | 3Q-dv | | | |
| 00122+4647 | A802 | 9.7 | 0.7 | 2008.579 | — | — | | IRC | S | | | |
| 00122+4647 | A802 | 9.7 | 0.7 | 2008.587 | — | — | | IRC | <0.16 | | | |
| 00132+2023 | HDS29 | 10.8 | 1.5 | 2008.669 | 166.1 | 0.706 | | IRC | 2Q-ly | | | |
| 00144+6020 | A902 | 8.7 | 2.4 | 2008.820 | 117.3 | 0.823 | | AF | | | | |
| 00151+1907 | A2202 | 9.9 | 0.2 | 2008.574 | 151.8 | 0.621 | | IRC | | | | |
| 00161+6649 | HU1004 | 10.4 | 0.1 | 2008.820 | 183.6 | 0.798 | | AF | | | | |
| 00161+6649 | HU1004 | 10.4 | 0.1 | 2008.820 | 183.9 | 0.764: | 0.2 | AF | dv (ni) | | | |
| 00162+3331 | COU651 | 10.6 | 0.2 | 2008.664 | 112.5 | 0.319 | | IRC | | | | |
| 00174+2306 | COU146 | 10.6 | 0.2 | 2008.669 | 93.0 | 1.100 | | IRC | 2Q-ly | | | |
| 00185+2129 | COU21 | 8.9 | 3.3 | 2008.669 | 170.0 | 1.162 | | IRC | 2Q-ly | | | |
| 00203+4650 | COU1852 | 10.5 | 0.3 | 2008.587 | 266.1 | 0.681 | | IRC | 3Q-ly | | | |
| 00205+4531 | A647 | 7.2 | 2.4 | 2008.579 | 99.1 | 0.688 | 1.2 | IRC | 2Q-ly | −2.1 | +0.019 | Pru2008 |
| 00209+3259 | AC1 | 7.3 | 1.0 | 2008.855 | 289.1 | 1.815 | | AF | 1Q-dv | | | |
| 00213+2541 | COU348 | 9.2 | 3.1 | 2008.669 | 97.2 | 0.657 | | IRC | 2Q-ly | | | |
| 00220+4033 | A1502 | 10.3 | −0.0 | 2008.579 | 63.0 | 0.928 | | IRC | | | | |
| 00220+4033 | A1502 | 10.3 | −0.0 | 2008.904 | 245.6 | 0.912 | 0.2 | AF | 3Q-dv-b | | | |
| 00225+4456 | A648 | 9.2 | 1.0 | 2008.579 | 95.3 | 0.352 | | IRC | 2Q-ly | | | |
| 00232+4716 | A804AB | 9.0 | 2.2 | 2008.587 | 320.7 | 1.727 | | IRC | 4Q-ly | | | |
| 00233+1645 | HEI16 | 9.0 | 1.4 | 2008.574 | — | — | | IRC | S | | | |
| 00245+5632 | A908 | 10.4 | 0.2 | 2008.820 | 231.2 | 0.442 | 0.1 | AF | dv (ni) | | | |
| 00245+5632 | A908 | 10.4 | 0.2 | 2008.820 | 236.5 | 0.437 | | AF | | | | |
| 00262+3009 | COU652 | 10.3 | 0.7 | 2008.855 | 2.4 | 1.350 | | AF | 1Q-dv | | | |
| 00262+5150 | BU778 | 10.7 | 0.0 | 2008.639 | 44.5 | 1.203 | | IRC | | | | |
| 00263+6515 | MLR80 | 8.8 | 1.8 | 2008.820 | 5.8: | 0.660: | | AF | | | | |
| 00267+6426 | BU1156 | 9.9 | 0.2 | 2008.820 | 31.2 | 0.559 | | AF | 1Q-dv | | | |
| 00278+5001 | HU507AB | 10.0 | 0.5 | 2008.639 | 126.2 | 1.653 | 0.4 | IRC | ly (ni) | | | |
| 00278+5001 | HU507AC | 10.0 | 0.5 | 2008.639 | 178.3 | 1.589 | 0.7 | IRC | ly (ni) | | | |
| 00278+5001 | HU507BC | 10.0 | 0.5 | 2008.639 | 244.6 | 1.423 | 0.3 | IRC | ly (ni) | | | |
| 00282+5028 | HU1008 | 10.3 | 0.1 | 2008.639 | 237.8 | 0.458 | | IRC | 3Q-ly | | | |
| 00283+6344 | HU1007 | 10.2 | 0.1 | 2008.820 | 92.8 | 0.426 | | AF | 2Q-dv | +0.2 | −0.063 | Dsl1968 |
| 00287+2134 | HU601 | 10.5 | 0.1 | 2008.574 | 305.2 | 0.625 | | IRC | 4Q-ly | | | |
| 00288+5541 | MLR624 | 9.3 | 0.2 | 2008.779 | 337.1 | 0.181 | | AF | 4Q-dv | | | |
| 00293+4336 | COU1353 | 10.0 | 2.2 | 2008.664 | 172.2 | 0.738 | | IRC | 2Q-ly | | | |
| 00298+4915 | HU508 | 9.7 | 1.6 | 2008.904 | 350.5 | 1.771 | | AF | 4Q-dv-b | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00298+6904 | A649 | 9.6 | 0.0 | 2008.779 | 322.4 | 0.371 | 0.1 | AF | dv (ni) | | | |
| 00308+4732 | BU394 | 8.5 | 0.3 | 2008.579 | 94.0 | 0.557 | | IRC | | −1.2 | −0.038 | Zul1997b |
| 00316+5809 | BU1226 | 9.1 | 1.1 | 2008.820 | 175.3 | 0.346 | | AF | 2Q-dv | | | |
| 00317+4702 | COU1853 | 10.0 | 2.3 | 2008.639 | 10.4 | 0.883 | | IRC | 1Q-ly | | | |
| 00321+6715 | MCY1Aa,Ab | 10.3 | — | 2008.820 | 33.1: | 0.241: | 1.7 | AF | ly-b (ni) | −80.0 | −0.211 | Doc2008d |
| 00321+6715 | MCY1Aa,Ab | 10.3 | — | 2008.820 | 33.1: | 0.241: | 1.7 | AF | ly-b | −80.0 | −0.211 | Doc2008d |
| 00321+6715 | VYS2AB | 10.6 | 1.6 | 2008.820 | 177.3 | 3.860 | 0.6 | AF | ly-b | −0.1 | −0.093 | Doc2008d |
| 00334+4739 | A911 | 8.9 | 0.6 | 2008.579 | 133.4 | 0.646 | | IRC | | | | |
| 00335+4006 | HO3 | 8.1 | 1.6 | 2008.579 | 160.6 | 0.280 | | IRC | | +5.6 | +0.024 | Cve2006e |
| 00336+4509 | A912BC | 10.3 | 3.2 | 2008.639 | 336.0 | 0.559: | 1.9 | IRC | ly (ni) | | | |
| 00336+4509 | A912BC | 10.3 | 3.2 | 2008.639 | 338.8 | 0.489 | | IRC | 4Q-ly | | | |
| 00337+4310 | COU1354 | 9.0 | 2.0 | 2008.664 | 64.9 | 0.636 | | IRC | 1Q-ly | | | |
| 00344+2411 | COU350 | 9.0 | 1.5 | 2008.669 | 141.6 | 0.965 | | IRC | 2Q-ly | | | |
| 00344+5853 | MLR443 | 8.7 | 3.5 | 2008.779 | 127.7 | 1.091 | | AF | 2Q-dv-b | | | |
| 00346+4209 | A1257 | 9.2 | 4.9 | 2008.587 | 288.5 | 2.414 | | IRC | 4Q-ly | | | |
| 00346+4209 | A1257 | 9.2 | 4.9 | 2008.904 | 288.5 | 2.356 | | AF | 4Q-ly-b | | | |
| 00350+5610 | MLR648 | 10.5 | 0.9 | 2008.779 | 245.9 | 1.075 | | AF | 3Q-dv-b | | | |
| 00352+3351 | HU1010 | 10.8 | 0.1 | 2008.855 | 93.4 | 1.100 | 0.1 | AF | 2Q-dv | | | |
| 00358+4901 | STT15 | 7.5 | 0.6 | 2008.579 | 318.6 | 0.271 | | IRC | | | | |
| 00360+3708 | COU850 | 9.9 | 0.1 | 2008.664 | 128.1 | 0.340 | | IRC | | | | |
| 00364+5621 | A913 | 10.0 | 0.3 | 2008.765 | 91.5 | 0.714 | 0.6 | AF | dv (ni) | | | |
| 00365+3724 | A1505AB | 10.1 | −0.0 | 2008.664 | — | — | | IRC | S | | | |
| 00365+5831 | BU1096AB | 10.3 | −0.0 | 2008.765 | — | — | | AF | S | | | |
| 00369+6648 | MLR288 | 9.2 | 3.3 | 2008.779 | 71.2 | 1.386 | | AF | 1Q-dv-b | | | |
| 00373+5801 | BU1097 | 8.8 | 1.1 | 2008.765 | 254.2 | 0.500 | | AF | 3Q-dv | | | |
| 00378+3031 | A915 | 10.4 | 0.1 | 2008.855 | 130.8 | 0.936 | | AF | 2Q-dv | | | |
| 00378+4915 | HU512 | 10.6 | 0.0 | 2008.904 | 168.0 | 0.870 | 0.3 | AF | 2Q-dv-b | | | |
| 00382+3357 | COU655 | 9.1 | 1.5 | 2008.664 | 31.2 | 0.528 | | IRC | | | | |
| 00385+4022 | COU1050 | 10.4 | −0.0 | 2008.904 | 85.5 | 0.623 | 0.1 | AF | 1Q-dv-b | | | |
| 00390+4037 | WOR31 | 9.8 | −0.0 | 2008.904 | 99.1 | 0.275 | | AF | | | | |
| 00390+4040 | BU1159 | 9.9 | 0.2 | 2008.664 | — | — | | IRC | S | | | |
| 00393+3359 | COU656 | 11.0 | 1.0 | 2008.855 | 152.0 | 0.822 | | AF | 2Q-dv | | | |
| 00393+6046 | MLR517 | 10.2 | 0.6 | 2008.765 | 84.0 | 0.902 | | AF | 1Q-dv | | | |
| 00402+4715 | BU257 | 8.1 | 1.0 | 2008.904 | 249.4 | 0.629 | 2.0: | AF | 3Q-dv | | | |
| 00408+6051 | MLR518 | 11.2 | 0.1 | 2008.779 | 198.0 | 1.060 | 0.1 | AF | dv (ni) | | | |
| 00410+2458 | A434 | 10.7 | 0.3 | 2008.574 | 203.0 | 0.875 | | IRC | | | | |
| 00410+5854 | MLR444 | 10.9 | 0.1 | 2008.765 | 152.9 | 0.756 | | AF | 2Q-dv | | | |
| 00419+4937 | HU515 | 9.4 | 1.3 | 2008.904 | 93.8 | 1.150 | | AF | 2Q-dv | | | |
| 00423+4015 | A1507AB | 10.0 | 0.4 | 2008.579 | 42.4 | 0.668 | | IRC | | | | |
| 00429+2047 | A2205 | 10.3 | 0.2 | 2008.574 | 188.1 | 0.353 | | IRC | | +1.9 | +0.056 | Baz1989a |
| 00429+5742 | A916 | 10.1 | 0.2 | 2008.779 | 246.2 | 0.311 | | AF | 3Q-dv | | | |
| 00434+4726 | A651 | 9.7 | 0.5 | 2008.587 | 141.7 | 0.910 | | IRC | | −3.9 | +0.017 | Sey2002 |
| 00434+4726 | A651 | 9.7 | 0.5 | 2008.579 | 141.9 | 0.912 | | IRC | 2Q | −3.7 | +0.019 | Sey2002 |
| 00434+5750 | MLR649 | 10.9 | 0.3 | 2008.820 | 97.7 | 1.349 | 0.2 | AF | dv-b (ni) | | | |
| 00434+5750 | MLR649 | 10.9 | 0.3 | 2008.820 | 98.1 | 1.400 | | AF | | | | |
| 00435+5526 | MLR650 | 9.9 | 0.2 | 2008.779 | 76.2 | 0.381 | | AF | 1Q-dv-b | | | |
| 00444+6210 | MLR26 | 8.8 | 0.4 | 2008.779 | 60.1 | 0.201 | | AF | 1Q-dv | | | |
| 00448+6019 | A919AB | 9.4 | 0.1 | 2008.820 | 158.6 | 0.344 | | AF | 2Q-dv | | | |
| 00453+3448 | COU1204 | 9.7 | 2.8 | 2008.855 | 69.7 | 0.779 | | AF | 1Q-dv | | | |
| 00463+4715 | COU2002 | 9.7 | 0.2 | 2008.587 | — | — | | IRC | S | | | |
| 00463+4715 | COU2002 | 9.7 | 0.2 | 2008.639 | — | — | | IRC | S | | | |
| 00470+2315 | HU413 | 9.2 | 0.0 | 2008.574 | 310.1 | 0.347 | | IRC | | −4.0 | −0.036 | Ole2002c |
| 00479+5555 | MLR652 | 9.9 | −0.0 | 2008.765 | 354.3 | 0.338 | | AF | 4Q-dv | | | |
| 00492+5720 | A921AB | 9.0 | 0.5 | 2008.765 | 2.1 | 0.239 | | AF | 1Q-dv: | +42.3 | +0.146 | Ole1998c |
| 00508+3203 | A922 | 9.6 | 0.2 | 2008.855 | 334.7 | 0.550 | | AF | 4Q-dv | −4.9 | +0.062 | Msn2001c |
| 00511+2853 | COU447 | 10.9 | 0.6 | 2008.669 | 39.7 | 0.855 | | IRC | | | | |
| 00512+6019 | MLR27 | 10.2 | 0.1 | 2008.765 | 211.9 | 0.458 | | AF | 3Q-dv | | | |
| 00516+3925 | A1509AB | 9.8 | 0.0 | 2008.579 | 24.6 | 0.638 | | IRC | | | | |
| 00516+6859 | BU781 | 8.4 | 0.9 | 2008.820 | 22.9 | 1.033 | | AF | 1Q-dv | | | |
| 00519+6101 | MLR516 | 10.7 | 0.3 | 2008.765 | 91.5 | 0.317 | | AF | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00520+3154 | A924 | 9.8 | 0.1 | 2008.855 | 132.8 | 0.277 | | AF | 2Q-dv | −3.5 | +0.024 | Hrt2009 |
| 00521+4326 | COU1653 | 10.0 | −0.0 | 2008.587 | 193.9 | 0.152: | | IRC | | | | |
| 00530+4935 | COU2155 | 11.0 | 0.4 | 2008.904 | 23.7 | 0.733 | 0.3 | AF | 1Q-dv-b | | | |
| 00531+6107 | BU497BC | 9.6 | 2.7 | 2008.820 | 154.4 | 0.745 | | AF | 2Q-dv | | | |
| 00542+4318 | COU1654 | 8.4 | −0.0 | 2008.579 | 90.3: | 0.413: | 2.6 | IRC | 2Q-ly | +44.0 | +0.381 | Sey2002 |
| 00544+5432 | A1258 | 9.7 | 0.2 | 2008.639 | 199.8 | 0.580 | | IRC | 3Q-ly | | | |
| 00546+1911 | STT20AB | 6.1 | 1.1 | 2008.016 | 183.6 | 0.590 | | | | −0.6 | +0.044 | Doc2007d |
| 00549+3827 | A1510 | 10.1 | 0.3 | 2008.855 | 104.8 | 0.609 | | AF | 2Q-dv | | | |
| 00549+4924 | HU802 | 7.8 | 2.2 | 2008.904 | 222.0 | 0.360 | 0.2 | AF | 3Q-dv | | | |
| 00568+6828 | MLR290 | 9.8 | −0.0 | 2008.765 | 356.0 | 0.121: | | AF | | | | |
| 00579+4054 | COU2004 | 9.8 | −0.0 | 2008.904 | 358.5: | 0.283: | | AF | | | | |
| 00581+4751 | COU2253 | 10.5 | 2.0 | 2008.904 | 9.7 | 0.992 | | AF | 1Q-dv-b | | | |
| 01011+6022 | A926 | 9.2 | 0.6 | 2008.765 | 345.9 | 0.386 | | AF | 4Q-dv | +3.5 | +0.013 | Cve2006e |
| 01014+6103 | HU1020 | 9.1 | 1.3 | 2008.820 | 130.4 | 1.028 | | AF | 2Q-dv | | | |
| 01036+6341 | MLR87 | 8.7 | 0.8 | 2008.765 | 19.3 | 0.267 | | AF | 1Q-dv | −1.4 | +0.039 | Bdl2007b |
| 01040+3528 | HO213 | 7.8 | 0.5 | 2008.855 | 116.2 | 0.306 | | AF | 2Q-dv | −0.7 | +0.007 | Doc2007d |
| 01049+3234 | COU660 | 9.9 | 3.3 | 2008.664 | 49.6 | 1.167 | 2.0 | IRC | 1Q-ly | | | |
| 01049+3649 | A1515 | 9.7 | 0.3 | 2008.855 | 123.4 | 0.194: | | AF | | −3.5 | +0.003 | Doc2004c |
| 01053+3117 | COU549 | 11.0 | 1.8 | 2008.855 | 272.0 | 2.007 | | AF | | | | |
| 01054+4340 | COU1657 | 9.7 | −0.0 | 2008.904 | 264.9 | 0.398 | 0.1 | AF | 3Q-dv | | | |
| 01065+5841 | A930 | 9.6 | 0.2 | 2008.820 | 180.0 | 0.260 | | AF | | | | |
| 01070+3014 | A929Aa-B | 10.0 | 0.1 | 2008.855 | 126.5 | 0.676 | | AF | | | | |
| 01071+4744 | A931 | 8.8 | −0.0 | 2008.904 | 268.2: | 0.389: | 0.2 | AF | | | | |
| 01072+3839 | A1516AB | 8.6 | 0.3 | 2008.855 | 330.5: | 0.130: | | AF | | −9.0 | −0.012 | Hrt2000a |
| 01076+4446 | COU1658 | 10.6 | 0.2 | 2008.904 | 33.1 | 0.908 | 0.1 | AF | 1Q-dv-b | | | |
| 01084+4238 | COU1356 | 10.6 | −0.0 | 2008.904 | 0.7 | 0.440 | | AF | 1Q-dv-b | | | |
| 01085+5555 | MLR653 | 10.4 | 0.1 | 2008.765 | 232.3 | 0.459 | | AF | 3Q-dv | | | |
| 01097+2348 | BU303 | 7.3 | 0.2 | 2008.016 | 113.9 | 0.645 | | | | | | |
| 01103+5710 | MLR627 | 9.7 | 0.2 | 2008.765 | 172.7 | 0.180 | | AF | | | | |
| 01103+5710 | MLR627 | 9.7 | 0.2 | 2008.820 | — | — | | AF | S: | | | |
| 01106+3557 | BU1162 | 9.9 | 0.2 | 2008.855 | 129.6 | 0.309 | | AF | 2Q-dv | | | |
| 01115+4903 | COU2157 | 10.0 | 0.6 | 2008.904 | 7.2 | 0.596 | | AF | 1Q-dv-b | | | |
| 01125+3747 | COU1057 | 9.5 | 0.4 | 2008.855 | 175.5 | 0.426 | | AF | 2Q-dv | | | |
| 01128+3700 | COU1058 | 9.7 | 0.3 | 2008.855 | 250.0 | 0.768 | | AF | 3Q-dv | | | |
| 01133+4426 | A656BC | 9.8 | 2.2 | 2008.904 | 117.3 | 0.661 | | AF | 2Q-dv-b | | | |
| 01148+6056 | BU1100 | 8.9 | 1.4 | 2008.765 | 358.9 | 0.290 | | AF | 4Q-dv | +2.8 | −0.007 | Mlr1955b |
| 01151+3112 | A1261 | 9.7 | 0.4 | 2008.855 | 320.1 | 0.598 | | AF | 4Q-dv | | | |
| 01157+5918 | A935 | 9.0 | 0.9 | 2008.765 | 347.7 | 0.283 | | AF | 4Q-dv | | | |
| 01158+4306 | COU1506 | 10.8 | 0.2 | 2008.904 | 86.4 | 0.561 | 0.1 | AF | 1Q-dv-b | | | |
| 01164+6204 | MLR28 | 10.7 | 0.2 | 2008.765 | 276.6 | 0.672 | 1.2 | AF | 4Q-dv | | | |
| 01172+5708 | A936 | 9.5 | 2.5 | 2008.765 | 239.9 | 0.512 | | AF | 3Q-dv | | | |
| 01178+4945 | HU520 | 8.8 | 0.2 | 2008.904 | 166.6 | 0.326 | <0.1 | AF | | | | |
| 01189+5746 | MLR560 | 9.0 | 2.5 | 2008.820 | 77.8 | 1.469 | | AF | 1Q-dv | | | |
| 01193+6200 | MLR29 | 10.0 | 0.1 | 2008.765 | 127.9: | 0.244: | | AF | | | | |
| 01193+6200 | MLR29 | 10.0 | 0.1 | 2008.820 | 152.7 | 0.587 | | AF | 2Q-dv | | | |
| 01198+6856 | MLR293 | 9.3 | −0.0 | 2008.820 | — | — | | AF | S | | | |
| 01202+6535 | HU1027 | 10.4 | 0.1 | 2008.820 | 124.8 | 0.361 | | AF | 2Q-dv: | | | |
| 01207+6752 | MLR294 | 9.4 | 1.2 | 2008.820 | — | — | | AF | S | | | |
| 01234+5809 | STF115AB | 7.1 | 0.2 | 2008.820 | 163.3 | 0.326 | 0.4 | AF | 2Q-dv | +2.1 | +0.016 | Sod1999 |
| 01249+4302 | COU1358 | 9.7 | −0.0 | 2008.904 | 99.3 | 0.235 | | AF | | | | |
| 01252+4317 | A1262 | 9.6 | −0.0 | 2008.904 | 9.6: | 0.164: | | AF | | | | |
| 01277+3106 | HDS190 | 8.7 | 2.3 | 2008.855 | 291.1: | 0.642: | | AF | | | | |
| 01280+5821 | A940 | 10.2 | 0.0 | 2008.765 | 85.6 | 0.568 | | AF | | | | |
| 01280+5821 | A940 | 10.2 | 0.0 | 2008.765 | 87.6 | 0.516 | 0.3 | AF | dv (ni) | | | |
| 01286+5511 | A1264 | 9.7 | 0.6 | 2008.765 | 319.9 | 0.201 | | AF | 4Q-dv | | | |
| 01298+6908 | MLR295 | 10.5 | −0.0 | 2008.765 | 355.5 | 0.252 | | AF | 4Q-dv | | | |
| 01350+4914 | COU2553 | 10.2 | −0.0 | 2008.861 | 221.9 | 0.372 | | AF | 3Q-dv | | | |
| 01353+4250 | COU1507 | 10.5 | 1.0 | 2008.861 | 86.8 | 0.810 | | AF | 1Q-dv | | | |
| 01356+6117 | JCT2Aa | 9.6 | 0.2 | 2008.820 | — | — | | AF | S: | | | |
| 01357+6409 | MLR103 | 8.8 | 0.8 | 2008.765 | 103.4 | 0.367 | | AF | 2Q-dv | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01359+5502 | MLR629 | 10.8 | 0.1 | 2008.765 | 131.4 | 0.457 | | AF | 2Q-dv | | | |
| 01365+4018 | COU1360 | 9.7 | 2.8 | 2008.904 | 135.9 | 0.763 | | AF | 2Q-dv-b | | | |
| 01373+4015 | COU1214 | 9.6 | −0.0 | 2008.861 | 171.7 | 0.340 | | AF | 2Q-dv | | | |
| 01380+4600 | A944AB | 9.0 | 0.3 | 2008.861 | — | — | | AF | S | | | |
| 01393+1638 | BU5AB | 7.0 | 2.2 | 2008.016 | 103.9 | 0.565 | | | | | | |
| 01409+4952 | HU531AB | 9.5 | 0.5 | 2008.861 | 359.5 | 0.474 | 0.2 | AF | 4Q-dv | +10.9 | +0.093 | Baz1984a |
| 01410+4925 | COU2451 | 11.0 | 0.2 | 2008.904 | 127.0 | 0.653 | 0.1 | AF | 2Q-dv-b | | | |
| 01414+3408 | A1916 | 10.1 | 0.3 | 2008.855 | 228.1 | 0.928 | | AF | 3Q-dv | | | |
| 01430+5807 | MLR630 | 7.9 | 0.1 | 2008.765 | 207.7 | 0.339 | | AF | 3Q-dv | | | |
| 01432+6056 | MLR106AB | 9.6 | 0.6 | 2008.820 | 157.1 | 0.940 | | AF | 2Q-dv-b | | | |
| 01437+3705 | COU1063 | 10.1 | 0.1 | 2008.855 | 207.9 | 0.598 | | AF | 3Q-dv | | | |
| 01448+5708 | B2548 | 10.0 | 0.3 | 2008.765 | 104.4 | 0.725 | 0.6 | AF | 2Q-dv (ni) | | | |
| 01450+5707 | BU453 | 10.0 | 0.4 | 2008.820 | 104.1 | 0.738 | | AF | | −2.4 | +0.053 | Sul1984 |
| 01450+5707 | BU453 | 10.0 | 0.4 | 2008.820 | 105.0 | 0.705: | 0.3 | AF | dv | −1.5 | +0.020 | Sul1984 |
| 01461+6349 | STF148 | 9.0 | 0.6 | 2008.820 | 191.7: | 0.123: | | AF | | | | |
| 01462+3343 | HU804 | 9.1 | 0.8 | 2008.855 | 72.0 | 0.328 | | AF | 1Q-dv | +1.7 | −0.079 | Ole2001 |
| 01463+4439 | A948AB | 8.8 | 1.5 | 2008.861 | 134.7 | 0.350 | | AF | 2Q-dv | −0.3 | +0.039 | Sey2002 |
| 01467+3856 | BU736AB | 9.7 | 1.4 | 2008.855 | 208.6 | 0.669 | | AF | 3Q-dv | | | |
| 01472+4212 | A1523 | 10.1 | 0.8 | 2008.861 | 64.0 | 0.508 | 0.1 | AF | 1Q-dv: | | | |
| 01472+4833 | COU2007 | 9.5 | 1.8 | 2008.861 | 149.8 | 0.803 | | AF | 2Q-dv | | | |
| 01485+4308 | COU1662 | 10.2 | 2.5 | 2008.904 | 302.6 | 1.616 | 1.4: | AF | 4Q-dv-b | | | |
| 01487+3746 | COU1065 | 10.6 | 0.1 | 2008.855 | 153.2 | 0.488 | | AF | 2Q-dv | | | |
| 01495+5645 | A950AB | 9.4 | 0.5 | 2008.765 | 289.2 | 0.258 | | AF | 4Q-dv | +4.4 | +0.011 | Hei1998 |
| 01498+3304 | BU1016 | 10.1 | 0.2 | 2008.855 | 39.9 | 0.675 | | AF | 1Q-dv | | | |
| 01511+4525 | COU1663 | 10.0 | 2.8 | 2008.904 | 265.3 | 1.415 | | AF | 3Q-dv-b | | | |
| 01512+2439 | HO311 | 8.2 | 0.4 | 2008.016 | 173.7 | 0.350 | | | | +0.6 | +0.020 | Hrt1989 |
| 01513+6021 | A951 | 8.3 | 1.1 | 2008.765 | 225.2 | 0.466 | 0.6 | AF | 3Q-dv | | | |
| 01532+1526 | BU260 | 8.8 | 0.2 | 2008.036 | 257.9 | 1.125 | | | | | | |
| 01542+3607 | COU858 | 10.5 | 1.8 | 2008.855 | 273.6 | 1.046 | | AF | 4Q-dv | | | |
| 01543+4207 | COU1362 | 11.0 | 1.0 | 2008.861 | 113.5 | 1.157 | | AF | 2Q-dv-b | | | |
| 01547+4426 | COU1508 | 10.0 | 0.5 | 2008.861 | 304.4: | 0.317: | | AF | 4Q-dv: | | | |
| 01551+2847 | STF183AB | 7.7 | 2.3 | 2008.036 | 146.6 | 0.329 | | | | −2.3 | −0.029 | Sey2000a |
| 01563+4251 | A1524AB | 9.4 | 0.4 | 2008.861 | 233.9 | 0.343 | | AF | 3Q-dv | | | |
| 01565+5912 | MLR486 | 9.8 | 0.2 | 2008.765 | 186.1 | 0.519 | | AF | 3Q-dv | | | |
| 01573+4812 | A818 | 9.5 | 0.4 | 2008.861 | 207.2 | 0.322 | | AF | 3Q-dv | | | |
| 01574+4929 | COU2158 | 9.6 | −0.0 | 2008.861 | 310.2: | 0.722: | | AF | | | | |
| 01577+3739 | COU1218 | 9.2 | 0.3 | 2008.855 | 353.7 | 0.392 | | AF | 4Q-dv | | | |
| 01577+4434 | A1526 | 8.7 | 0.1 | 2008.904 | — | — | | AF | S | | | |
| 01579+4726 | COU2008 | 9.3 | −0.0 | 2008.904 | — | — | | AF | NR | | | |
| 01579+4734 | COU2353 | 9.5 | −0.0 | 2008.861 | 127.7: | 0.107: | | AF | | | | |
| 01581+3305 | COU860 | 10.3 | −0.0 | 2008.855 | 294.2 | 1.075 | | AF | 4Q-dv | | | |
| 02002+4332 | COU1664 | 10.0 | −0.0 | 2008.861 | 260.5 | 0.359 | 0.1 | AF | 3Q-dv | | | |
| 02009+6025 | A956 | 9.8 | 0.2 | 2008.765 | 312.4 | 0.450 | | AF | 4Q-dv | | | |
| 02012+1634 | BU515 | 7.7 | 3.5 | 2008.036 | — | — | | | S | | | |
| 02016+4107 | COU1510 | 9.6 | −0.0 | 2008.861 | 135.3 | 0.393 | | AF | 2Q-dv | | | |
| 02018+4040 | A1923 | 8.8 | 1.1 | 2008.904 | 145.1 | 0.638 | 0.7 | AF | 2Q-dv | | | |
| 02019+4831 | COU2009 | 10.1 | 0.3 | 2008.904 | 60.8 | 0.567 | | AF | 1Q-dv | | | |
| 02021+3347 | A1924 | 10.9 | 0.3 | 2008.855 | 160.1 | 0.519 | | AF | 2Q-dv | | | |
| 02021+4530 | COU1665 | 10.6 | 0.0 | 2008.904 | 104.1 | 0.505 | | AF | 2Q-dv-b | | | |
| 02022+3643 | A1813AB | 8.7 | 0.2 | 2008.855 | 140.4: | 0.083: | | AF | | −17.0 | −0.044 | Hrt2000a |
| 02022+3643 | A1813AB-C | 8.3 | 2.9 | 2008.855 | 202.4 | 1.486 | | AF | 3Q-dv | −1.1 | −0.155 | Nov2006e |
| 02022+6251 | MLR303 | 9.3 | 2.0 | 2008.820 | 122.7 | 0.803 | | AF | 2Q-dv | | | |
| 02048+6030 | A957 | 8.5 | 2.0 | 2008.765 | 2.0 | 0.514 | | AF | 1Q-dv | | | |
| 02053+6305 | MLR304 | 9.6 | 0.4 | 2008.765 | 353.1: | 0.181: | | AF | | | | |
| 02071+6957 | STF204 | 9.8 | 0.2 | 2008.820 | 31.0 | 0.192 | | AF | 1Q-dv | | | |
| 02076+4103 | COU1666 | 10.0 | −0.0 | 2008.861 | 261.4 | 0.328 | <0.1 | AF | 3Q-dv | | | |
| 02077+3418 | A2012 | 10.2 | 1.9 | 2008.855 | 336.6 | 0.626 | | AF | 4Q-dv | | | |
| 02084+4807 | COU2259 | 10.5 | 1.3 | 2008.861 | 325.1 | 0.610 | | AF | 4Q-dv-b | | | |
| 02107+4426 | COU1667 | 9.2 | −0.0 | 2008.861 | — | — | | AF | S | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02108+3005 | COU456 | 8.7 | 2.1 | 2008.855 | 67.1 | 0.488 | | AF | 1Q-dv | | | |
| 02109+2348 | HDS292 | 7.5 | 2.8 | 2008.036 | 172.3: | 0.207: | | | | | | |
| 02120+3349 | COU862 | 10.3 | 0.2 | 2008.855 | 280.5 | 0.725 | | AF | 4Q-dv | | | |
| 02122+4034 | COU1366 | 10.0 | 0.5 | 2008.861 | 45.8: | 0.375: | | AF | 1Q-dv | | | |
| 02122+6132 | MLR30 | 9.7 | −0.0 | 2008.820 | 52.2: | 0.262: | | AF | | | | |
| 02128+3722 | HO497 | 9.6 | 0.4 | 2008.855 | 85.9 | 0.483 | | AF | 1Q-dv | | | |
| 02134+5753 | MLR562 | 10.6 | 0.0 | 2008.820 | 239.9 | 0.707 | | AF | 3Q-dv | | | |
| 02144+3454 | HU807 | 9.4 | 0.4 | 2008.855 | 145.2 | 0.523 | | AF | 2Q-dv | | | |
| 02150+3742 | COU1368 | 9.9 | 0.2 | 2008.855 | 14.8 | 0.604 | | AF | 1Q-dv | | | |
| 02160+4046 | COU1669 | 8.8 | 0.2 | 2008.861 | 142.3: | 0.144: | | AF | | | | |
| 02161+3501 | HU1036 | 10.5 | 0.2 | 2008.855 | 158.4 | 0.529 | 0.1 | AF | 2Q-dv | | | |
| 02172+3729 | A206AB | 8.4 | 2.4 | 2008.855 | 148.7 | 0.380 | | AF | 2Q-dv | | | |
| 02174+6121 | STF234AB | 8.7 | 0.7 | 2008.820 | 224.4 | 0.697 | | AF | 3Q-dv | −2.8 | −0.050 | Sta1983 |
| 02182+3920 | A207 | 9.7 | 0.6 | 2008.855 | 352.2 | 0.550 | 0.3 | AF | 4Q-dv | −11.0 | +0.185 | Sca2001d |
| 02183+4120 | COU1670 | 9.2 | 0.6 | 2008.861 | 187.6: | 0.097: | | AF | | | | |
| 02186+4017 | EGG2Aa | 7.9 | −0.0 | 2008.861 | — | — | | AF | S | | | |
| 02194+6029 | A821 | 8.5 | 2.1 | 2008.820 | 45.3 | 0.738 | | AF | 1Q-dv | | | |
| 02206+6321 | HU1037 | 9.8 | 0.0 | 2008.820 | 335.4 | 0.468 | | AF | 4Q-dv | | | |
| 02211+4246 | STF248 | 9.6 | 0.3 | 2008.861 | 215.9 | 0.553 | | AF 5 | 3Q-dv | +0.8 | +0.025 | Pbx2000b |
| 02218+4343 | COU1672 | 9.7 | 0.4 | 2008.861 | 144.4: | 0.150: | | AF | | | | |
| 02218+4349 | COU1671 | 10.1 | 0.6 | 2008.904 | 253.7 | 0.825 | 0.5 | AF | 3Q-dv-b | | | |
| 02222+3340 | COU754 | 10.5 | 0.6 | 2008.855 | 79.1 | 0.695 | | AF | 1Q-dv | | | |
| 02243+6421 | MLR298 | 10.6 | 0.3 | 2008.820 | 164.0 | 0.757 | | AF | 4Q-dv | | | |
| 02259+3913 | A1814 | 10.9 | −0.0 | 2008.855 | 35.6 | 0.590 | | AF | 1Q-dv: | | | |
| 02267+3207 | A964 | 10.3 | 0.5 | 2008.855 | 93.2 | 0.284 | | AF | | | | |
| 02270+4903 | COU2161 | 9.6 | 0.1 | 2008.861 | 173.1 | 0.336 | | AF | 2Q-dv | | | |
| 02272+4717 | COU2010 | 10.5 | −0.0 | 2008.861 | 30.4 | 0.493 | | AF | 1Q-dv | | | |
| 02278+4433 | COU1674 | 10.0 | 0.7 | 2008.904 | 116.0 | 1.423 | 0.7 | AF | 2Q-dv-b | | | |
| 02279+4523 | COU2011 | 8.9 | 0.6 | 2008.861 | 63.3 | 0.401 | | AF | 1Q-dv | | | |
| 02282+4109 | A659 | 10.0 | 0.1 | 2008.904 | 273.2 | 0.573 | 0.3 | AF | 4Q-dv | | | |
| 02288+3215 | WOR2 | 10.1 | 0.7 | 2008.855 | 119.8 | 0.261 | 0.2 | AF | 4Q-dv | +8.9 | +0.093 | Tam2005 |
| 02292+6058 | HU1040 | 10.2 | 0.5 | 2008.820 | — | — | | AF | S | | | |
| 02307+4441 | COU1675 | 10.8 | 0.1 | 2008.904 | 263.2 | 0.702 | 0.1 | AF | 3Q-dv-b | | | |
| 02314+4234 | A660 | 8.7 | 0.3 | 2008.904 | 312.0 | 0.510 | 0.2 | AF | 4Q-dv | | | |
| 02315+6938 | MLR379 | 8.8 | 2.0 | 2008.820 | 90.2 | 0.397 | | AF | 2Q-dv | | | |
| 02323+3542 | A1927 | 8.3 | 2.1 | 2008.063 | 193.5 | 0.897 | | | | | | |
| 02325+4701 | COU2012 | 10.5 | −0.0 | 2008.861 | 126.3: | 0.334: | | AF | | | | |
| 02336+6038 | A824 | 11.1 | 0.4 | 2008.820 | 290.4 | 0.957 | | AF | | | | |
| 02346+4050 | COU1370 | 10.6 | 0.1 | 2008.861 | 42.5 | 0.557 | | AF | | | | |
| 02353+4017 | A1818 | 9.4 | 0.2 | 2008.861 | 24.2 | 0.290 | | AF | 1Q-dv | | | |
| 02361+2924 | HDS338 | 7.2 | 2.5 | 2008.036 | 307.3 | 0.326 | | | | | | |
| 02377+6520 | HU1041AB | 8.7 | 0.9 | 2008.820 | 276.0: | 0.149: | | AF | | | | |
| 02379+2003 | A2219 | 9.5 | 0.1 | 2008.016 | 148.2 | 0.447 | | | | +3.9 | +0.074 | Hei1997 |
| 02382+4604 | A1278 | 8.9 | 0.1 | 2008.861 | 125.7: | 0.165: | | AF | | +18.0 | −0.059 | Hrt2001d |
| 02395+6740 | MLR382 | 9.4 | 0.8 | 2008.820 | 2.1: | 0.185: | | AF | 1Q-dv | | | |
| 02407+2637 | STT43 | 7.9 | 1.1 | 2008.063 | 349.9 | 0.723 | | | | +3.6 | +0.048 | Sca2001d |
| 02407+6117 | CHR208Aa | 7.7 | — | 2008.820 | 90.1: | 0.361: | | AF | 2Q-dv | | | |
| 02410+3905 | COU1371Aa | 9.7 | 0.6 | 2008.063 | 132.3 | 0.290 | | | | | | |
| 02410+6539 | MLR119Aa | 9.6 | −0.0 | 2008.820 | — | — | | AF | S | | | |
| 02412+4734 | COU2260 | 8.3 | −0.0 | 2008.861 | — | — | | AF | S | | | |
| 02415+4053 | COU1511 | 8.7 | −0.0 | 2008.861 | 154.9: | 0.077: | | AF | 2Q-dv | | | |
| 02420+4030 | COU1372 | 8.8 | 2.2 | 2008.861 | 239.4 | 0.438 | | AF | 3Q-dv | | | |
| 02438+1606 | HEI23 | 8.8 | 2.2 | 2008.071 | 339.2 | 1.011 | | | | | | |
| 02446+5643 | MLR598 | 10.3 | 0.1 | 2008.820 | 79.6 | 0.754 | | AF | 1Q-dv | | | |
| 02453+3718 | COU1220 | 11.0 | 0.5 | 2008.855 | 101.3 | 0.770 | | AF | 2Q-dv-b | | | |
| 02471+3533 | BU9AB | 6.4 | 2.2 | 2008.066 | 209.2 | 1.034 | | | | | | |
| 02472+6551 | MLR120 | 9.4 | 0.5 | 2008.820 | — | — | | AF | S | | | |
| 02480+4600 | COU1678 | 10.6 | 0.3 | 2008.861 | 239.1 | 0.899 | 0.3 | AF | 3Q-dv | | | |
| 02483+1727 | COU672 | 9.5 | −0.0 | 2008.016 | — | — | | | S | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02488+6721 | MLR385 | 9.2 | −0.0 | 2008.820 | — | — | | AF | S | | | |
| 02490+4941 | COU2261 | 10.2 | −0.0 | 2008.861 | 31.7 | 0.280 | | AF | | | | |
| 02502+1802 | COU676 | 9.2 | 2.6 | 2008.036 | 155.9 | 0.887 | | | | | | |
| 02512+6023 | BU1316AB | 8.8 | 0.5 | 2008.820 | 301.2 | 0.339 | | AF | 4Q-dv | | | |
| 02517+4559 | A1281 | 9.0 | 1.8 | 2008.861 | 137.3 | 0.637 | | AF | 2Q-dv | +1.7 | +0.029 | Hrt2009 |
| 02520+4831 | COU2013 | 9.1 | −0.0 | 2008.861 | 280.7 | 0.246 | 0.1 | AF | 4Q-dv | | | |
| 02530+6028 | MLR107Bb | 11.0 | 3.0 | 2008.820 | 313.3: | 3.367: | 0.7: | AF | 4Q-dv-b | | | |
| 02537+6427 | MLR307 | 8.7 | 2.0 | 2008.820 | 210.5 | 0.545 | | AF | 3Q-dv | | | |
| 02538+3544 | COU866 | 10.4 | 0.3 | 2008.855 | 197.6 | 0.893 | | AF | 3Q-dv | | | |
| 02540+1601 | HDS370 | 7.9 | 1.9 | 2008.036 | 44.7 | 0.210 | | | | | | |
| 02552+5950 | MLR520 | 8.8 | 0.1 | 2008.820 | — | — | | AF | S | | | |
| 02557+3028 | COU555 | 8.8 | 4.0 | 2008.066 | 279.5 | 1.726 | 4.0 | | ly (ni) | | | |
| 02557+3028 | COU555 | 8.8 | 4.0 | 2008.066 | 279.5 | 1.735 | | | | | | |
| 02557+3028 | GII2Bb | 13.4 | 0.4 | 2008.066 | 154.7 | 0.43 | 0.4 | | ly (ni) | | | |
| 02557+3028 | GII2Bb | 13.4 | 0.4 | 2008.066 | 155.1 | 0.454 | | | | | | |
| 02558+1036 | HEI445 | 9.8 | 0.7 | 2008.071 | 324.7 | 1.562 | | | | | | |
| 02558+1909 | A2342 | 9.3 | 1.1 | 2008.036 | 21.7 | 0.414 | | | | | | |
| 02558+4636 | COU2015 | 9.7 | 0.3 | 2008.861 | 206.4 | 0.466 | | AF | 3Q-dv | | | |
| 02574+6246 | MLR33 | 8.5 | 2.5 | 2008.820 | 266.9 | 0.684 | | AF | 3Q-dv | | | |
| 02594+4856 | COU2163 | 10.0 | 3.0 | 2008.861 | 33.8 | 0.585 | | AF | 1Q-dv-b | | | |
| 03005+3934 | A1530 | 9.3 | 0.8 | 2008.066 | 79.8 | 0.270 | | | | | | |
| 03006+4753 | A1529 | 8.1 | 1.6 | 2008.861 | 167.3 | 0.311 | | AF | 2Q-dv | | | |
| 03012+4852 | HU1051 | 10.3 | 0.1 | 2008.861 | 118.0 | 0.477 | | AF | 2Q-dv | | | |
| 03016+6446 | HU1050 | 10.0 | 0.1 | 2008.820 | 137.5 | 0.355 | | AF | 2Q-dv | | | |
| 03032+4121 | COU1381 | 8.5 | 2.3 | 2008.861 | 77.4 | 0.365 | | AF | 1Q-dv | | | |
| 03046+3238 | COU755 | 9.7 | 1.0 | 2008.063 | 83.9 | 0.573 | | | | | | |
| 03058+3202 | HDS393Aa | 8.0 | 3.2 | 2008.066 | 11.4 | 0.571 | | | | | | |
| 03058+4818 | COU2016 | 9.7 | −0.0 | 2008.861 | — | — | | AF | S | | | |
| 03062+6146 | MLR35 | 9.5 | 0.3 | 2008.820 | 173.0: | 0.283: | | AF | | | | |
| 03078+3652 | A1533 | 10.2 | 0.1 | 2008.855 | 182.9 | 1.018 | | AF | 3Q-dv | | | |
| 03081+6120 | MLR36 | 9.2 | 0.0 | 2008.820 | 144.1: | 0.318: | | AF | | | | |
| 03084+4736 | COU2017 | 9.6 | 1.4 | 2008.861 | 9.5 | 0.317 | | AF | 1Q-dv | | | |
| 03094+6451 | MLR308 | 10.7 | 0.1 | 2008.820 | 231.7 | 0.583 | | AF | 3Q-dv | | | |
| 03097+6259 | MLR37AB | 10.3 | 0.1 | 2008.820 | 201.8 | 0.565 | | AF | 3Q-dv | | | |
| 03138+3733 | COU1075Aa | 9.2 | 2.3 | 2008.063 | 41.2 | 0.851 | | | | | | |
| 03163+1920 | A2224 | 8.2 | 1.4 | 2008.036 | 152.1 | 0.918 | | | | | | |
| 03166+4943 | COU2164Aa,Ab | 10.9 | 0.4 | 2008.861 | 70.3 | 0.798 | | AF | 1Q-dv-b | | | |
| 03166+4943 | ES463AB | 9.8 | 2.4 | 2008.861 | 258.5 | 5.346 | | AF | 3Q-dv-b | | | |
| 03167+1923 | COU360 | 9.6 | 2.9 | 2008.071 | 256.3 | 2.037 | | | | | | |
| 03175+4912 | COU2262 | 10.1 | 1.0 | 2008.861 | 1.6 | 0.751 | | AF | 1Q-dv | | | |
| 03188+2617 | COU559 | 10.8 | 0.1 | 2008.855 | 96.7 | 0.680 | | AF | 2Q-dv | | | |
| 03192+4351 | COU1514 | 10.5 | −0.0 | 2008.861 | 239.3 | 0.365 | | AF | 3Q-dv | | | |
| 03192+4920 | COU2263 | 9.9 | 0.7 | 2008.861 | 317.1: | 0.112: | | AF | 4Q-dv: | | | |
| 03199+2143 | HU433 | 9.6 | 1.7 | 2008.036 | 264.4 | 0.198 | | | | | | |
| 03201+4811 | COU2019 | 10.2 | 0.4 | 2008.861 | 259.6: | 0.244: | | AF | 3Q-dv | | | |
| 03209+2031 | HDS418 | 7.0 | 3.8 | 2008.063 | — | — | | | S | | | |
| 03213+4809 | COU2020 | 10.5 | 0.5 | 2008.861 | 232.6 | 0.337 | | AF | 3Q-dv | | | |
| 03221+4440 | COU1681 | 10.0 | 0.7 | 2008.861 | 297.8: | 0.304: | | AF | | | | |
| 03228+4640 | COU2021 | 10.0 | 0.7 | 2008.861 | 266.9 | 0.299 | | AF | 3Q-dv | | | |
| 03251+5601 | MLR686 | 10.4 | 0.2 | 2008.820 | 274.3 | 0.627 | | AF | 4Q-dv | | | |
| 03260+4405 | COU1683 | 10.0 | −0.0 | 2008.861 | 179.2: | 0.269: | | AF | | | | |
| 03275+1911 | A2345 | 9.7 | 0.9 | 2008.071 | 173.6 | 0.991 | | | | | | |
| 03278+2411 | HDS434 | 8.0 | 3.5 | 2008.063 | — | — | | | S | | | |
| 03281+4452 | COU1861 | 10.0 | −0.0 | 2008.066 | 110.7 | 0.808 | | | | | | |
| 03284+2248 | BAG2Aa,Ab | 6.0 | 1.4 | 2008.855 | 144.3: | 0.081: | | AF | | | | |
| 03284+2248 | BU878A-B | 6.2 | 4.2 | 2008.855 | 60.4 | 0.705 | | AF | | | | |
| 03295+2107 | HU435 | 9.5 | 3.2 | 2008.855 | 343.9 | 0.581 | | AF | 4Q-dv | | | |
| 03301+1123 | HDS437 | 9.1 | 2.9 | 2008.071 | 1.9 | 1.145 | | | | | | |
| 03313+6819 | MLR454 | 9.1 | 4.4 | 2008.820 | 178.1 | 1.006 | | AF | 2Q-dv-b | | | |
| 03321+4340 | COU1688AB | 8.7 | 0.2 | 2008.066 | 135.2 | 0.159 | | | | +56.9 | +0.040 | Baz1993d |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03344+2428 | STF412AB | 6.6 | 0.3 | 2008.036 | 354.9 | 0.714 | | | | +0.9 | −0.008 | Sca2002a |
| 03349+2406 | COU467 | 9.3 | 2.7 | 2008.855 | 91.6 | 2.004 | | AF | 1Q-dv | | | |
| 03353+2651 | COU688Aa | 8.9 | 2.2 | 2008.063 | 198.2 | 0.472 | 1.9 | | ly (ni) | | | |
| 03353+2651 | COU688Aa | 8.9 | 2.2 | 2008.063 | 200.2 | 0.496 | | | | | | |
| 03364+4518 | COU1862 | 8.6 | 0.8 | 2008.066 | 19.6 | 0.339 | | | | | | |
| 03365+1011 | A830 | 9.9 | 0.4 | 2008.071 | 349.5 | 0.381 | | | | | | |
| 03437+2339 | CHR11 | 7.9 | 1.0 | 2008.036 | 122.4: | 0.692: | | | | | | |
| 03452+4444 | COU2023 | 9.9 | 0.2 | 2008.066 | 53.2 | 0.285 | | | | | | |
| 03456+2420 | COU560 | 7.4 | 1.6 | 2008.063 | 330.2: | 0.233: | | | | | | |
| 03463+2529 | COU561 | 9.1 | 2.1 | 2008.063 | 162.5 | 0.904 | | | | | | |
| 03465+2415 | CHR12Aa | 7.3 | — | 2008.036 | 115.2: | 0.239: | | | | | | |
| 03470+2431 | CHR124Aa | 6.8 | 0.1 | 2008.855 | 134.1: | 0.121: | | AF | | | | |
| 03471+2449 | BU537 | 8.7 | 2.0 | 2008.855 | 222.0 | 0.562 | | AF | | | | |
| 03481+2409 | COU80 | 9.6 | 0.9 | 2008.855 | 89.5 | 0.558 | | AF | 1Q-dv | | | |
| 03483+2223 | BU1184 | 8.4 | 2.6 | 2008.855 | 270.4 | 0.470 | | AF | 4Q-dv | | | |
| 03486+2411 | BU1105 | 9.4 | 1.1 | 2008.855 | 144.4: | 0.848: | | AF | S | | | |
| 03489+1143 | A831 | 8.5 | 1.5 | 2008.071 | 54.5 | 0.252 | | | | +0.3 | +0.031 | Sey2002 |
| 03494+2456 | BOV24 | 11.0 | — | 2008.855 | 171.3 | 0.408 | | AF | | | | |
| 03499+4314 | COU1691 | 10.1 | 0.2 | 2008.861 | 319.1 | 0.395 | <0.1 | AF | 4Q-dv | | | |
| 03500+2351 | BOV25Ca | 8.9 | — | 2008.855 | — | — | | AF | S-b | | | |
| 03500+2351 | STT64AB | 6.8 | 3.3 | 2008.855 | 234.1 | 3.188 | 3.5 | AF | ly-b (ni) | | | |
| 03500+2351 | STT64AC | 6.8 | 3.7 | 2008.855 | 235.5 | 9.916 | 3.9 | AF | ly-b (ni) | | | |
| 03503+4403 | COU1692 | 10.0 | 3.0 | 2008.066 | 35.4 | 0.610 | | | | | | |
| 03509+2309 | COU695 | 10.9 | 0.3 | 2008.855 | 196.8 | 0.608 | | AF | 3Q-dv-b | | | |
| 03513+2621 | A1830 | 9.4 | −0.0 | 2008.036 | 193.1 | 0.390 | | | | +13.9 | +0.244 | Ole2005d |
| 03524+1836 | HDS483 | 8.0 | 4.0 | 2008.071 | 183.7 | 0.610 | | | | | | |
| 03538+4237 | COU1693 | 10.3 | 0.5 | 2008.861 | 324.4 | 0.461 | 0.3 | AF | 4Q-dv | | | |
| 03566+4436 | COU1694 | 10.1 | 2.4 | 2008.861 | 227.5: | 0.378: | | AF | b | | | |
| 03581+4548 | COU1695 | 9.3 | 1.5 | 2008.066 | 279.2 | 0.593 | | | | | | |
| 03583+3245 | HO505 | 9.1 | 1.7 | 2008.063 | 197.9 | 1.616 | 1.4 | | ly (ni) | | | |
| 03583+3245 | HO505 | 9.1 | 1.7 | 2008.063 | 198.0 | 1.613 | | | | | | |
| 03594+4321 | A1708 | 9.7 | 0.4 | 2008.861 | 337.8 | 0.827 | | AF | 4Q-dv-b | | | |
| 03599+3204 | HDS504 | 9.6 | 2.3 | 2008.063 | — | — | | | NR | | | |
| 04008+1033 | HDS506 | 9.4 | 2.2 | 2008.071 | 173.2 | 0.652 | | | | | | |
| 04054+2309 | COU563 | 11.0 | −0.0 | 2008.855 | 109.6: | 0.264: | | AF | | | | |
| 04057+4537 | A997 | 9.0 | 2.2 | 2008.066 | 189.4 | 1.320 | | | | | | |
| 04059+4411 | COU1699 | 10.9 | 0.4 | 2008.861 | 85.8 | 1.127 | | AF | 1Q-dv-b | | | |
| 04063+4026 | COU1701 | 9.2 | 1.6 | 2008.066 | 113.7 | 0.506 | | | | | | |
| 04064+4325 | A1710 | 8.2 | 0.1 | 2008.861 | 313.8 | 0.621 | 0.1 | AF | 4Q-dv | +1.0 | 0.000 | Hei1982c |
| 04080+2256 | COU152AB | 9.6 | −0.0 | 2008.036 | 37.4 | 0.297 | | | | | | |
| 04080+2256 | COU152AB | 9.6 | −0.0 | 2008.036 | 38.4 | 0.335 | | | | | | |
| 04080+2256 | COU152AB | 9.6 | −0.0 | 2008.063 | 40.4 | 0.345 | | | | | | |
| 04081+4535 | COU2025 | 8.9 | 0.7 | 2008.066 | 338.0 | 0.305 | | | | | | |
| 04089+4614 | A998 | 7.9 | 0.6 | 2008.861 | 184.7 | 0.165 | | AF | | +28.4 | +0.081 | Pop2000a |
| 04091+1046 | HU301 | 7.9 | 1.8 | 2008.071 | 276.2 | 0.503 | | | | | | |
| 04091+2839 | HO326 | 9.1 | 0.1 | 2008.036 | 289.5 | 0.402 | | | | −1.2 | −0.002 | Hrt2008 |
| 04100+4235 | COU1702 | 8.9 | −0.0 | 2008.066 | 356.8: | 0.100: | | | | +5.5 | −0.054 | Cou1999b |
| 04103+4008 | COU1521 | 9.8 | 1.4 | 2008.861 | 267.2: | 0.212: | | AF | 3Q-dv | | | |
| 04116+4408 | COU1704 | 10.4 | 2.5 | 2008.861 | 165.7 | 1.035 | | AF | 2Q-dv-b | | | |
| 04132+2258 | HU302 | 9.8 | 0.2 | 2008.063 | 51.9 | 0.246 | | | | −47.4 | +0.135 | Erc1984b |
| 04132+2258 | HU302 | 9.8 | 0.2 | 2008.112 | 52.8 | 0.252 | | | | −46.6 | +0.141 | Erc1984b |
| 04147+4512 | A999 | 9.4 | 3.1 | 2008.861 | 73.6 | 0.959 | | AF | 1Q-dv-b | | | |
| 04154+2405 | HDS541 | 8.2 | 0.4 | 2008.112 | 310.7: | 0.377: | | | | | | |
| 04165+4539 | COU2026 | 10.0 | 1.2 | 2008.066 | 160.4 | 0.436 | | | | | | |
| 04175+1911 | A2350 | 9.5 | 2.2 | 2008.071 | 127.2 | 0.607 | | | | | | |
| 04182+2248 | STF520 | 8.3 | 0.2 | 2008.120 | 77.7 | 0.592 | | | | −0.4 | +0.038 | Hrt2001b |
| 04196+2104 | HDS553 | 8.8 | 3.5 | 2008.855 | 23.2 | 0.921 | | AF | | | | |
| 04196+3709 | COU1396 | 8.9 | 3.1 | 2008.063 | 16.6 | 0.784 | | | | | | |
| 04198+4610 | COU2028 | 9.4 | 0.7 | 2008.066 | 321.1 | 0.438 | | | | | | |
| 04201+4505 | COU2029 | 10.5 | −0.0 | 2008.861 | 318.0 | 0.498 | | AF | 4Q-dv-b | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04201+4921 | COU2167 | 9.7 | −0.0 | 2008.861 | 198.5 | 0.519 | 0.2 | AF | 3Q-dv | | | |
| 04204+4527 | A1002 | 10.2 | −0.0 | 2008.861 | — | — | | AF | S | | | |
| 04205+4559 | A1001 | 9.2 | 4.0 | 2008.066 | 183.6 | 3.037 | | | | | | |
| 04227+1503 | STT82AB | 7.3 | 1.3 | 2008.071 | 336.2 | 1.277 | | | | −1.7 | +0.018 | Wsi2004a |
| 04240+4248 | COU1705 | 10.0 | 3.0 | 2008.861 | 343.6 | 0.652 | 0.7 | AF | 4Q-dv-b | | | |
| 04242+1445 | HDS564 | 7.8 | 3.0 | 2008.071 | 239.0 | 0.357 | | | | −1.3 | −0.005 | Zir2008 |
| 04242+1445 | HDS564 | 7.8 | 3.0 | 2008.071 | 244.0 | 0.375 | | | | | | |
| 04245+3007 | HO15 | 10.0 | 0.0 | 2008.063 | 147.3 | 0.781 | | | | | | |
| 04246+4024 | COU1706 | 10.0 | 0.9 | 2008.861 | 0.0 | 0.559 | | AF | 1Q-dv-b | | | |
| 04256+3210 | A1005 | 9.1 | 0.7 | 2008.063 | 242.8 | 0.795 | | | | | | |
| 04259+1852 | BU1185 | 8.1 | 0.8 | 2008.036 | 17.6 | 0.244 | | | | −0.6 | +0.023 | Sod1999 |
| 04263+3443 | HU609 | 9.3 | 0.3 | 2008.123 | 313.2 | 0.194 | | | | +6.1 | −0.016 | Doc1994d |
| 04271+2542 | THB1 | 11.0 | 0.5 | 2008.855 | — | — | | AF | S | | | |
| 04278+4223 | COU1863 | 10.4 | 0.1 | 2008.861 | 23.4 | 0.541 | | AF | 1Q-dv | | | |
| 04280+1004 | A2033 | 7.6 | 3.0 | 2008.071 | 217.1 | 0.754 | | | | | | |
| 04284+4914 | HDS575 | 8.9 | 0.5 | 2008.066 | 315.6 | 0.507 | | | | | | |
| 04308+4550 | A1007 | 10.2 | 0.5 | 2008.861 | 156.6 | 0.292 | 0.8 | AF | 2Q-dv | | | |
| 04310+4159 | HDS583 | 8.5 | 1.4 | 2008.066 | 124.2: | 0.168: | | | | | | |
| 04315+1321 | HU1081 | 9.0 | 0.9 | 2008.112 | 280.6 | 0.834 | | | | | | |
| 04315+2231 | COU265 | 10.2 | 0.3 | 2008.855 | 236.2 | 0.536 | | AF | 3Q-dv | | | |
| 04324+3849 | A1839 | 9.4 | 0.4 | 2008.123 | 271.9 | 0.722 | | | | | | |
| 04324+3849 | A1839 | 9.4 | 0.4 | 2008.123 | 273.1 | 0.759 | | | | | | |
| 04328+1600 | CHR152 | 8.9 | — | 2008.036 | 216.3: | 0.305: | | | | | | |
| 04340+1510 | CHR17 | 8.9 | 1.3 | 2008.036 | 314.8 | 0.167 | | | | +9.5 | +0.034 | Cve2008d |
| 04341+3448 | HDS594 | 8.6 | 2.7 | 2008.123 | 279.3 | 0.309 | 2.5 | | ly (ni) | | | |
| 04347+1130 | A2034 | 9.1 | 0.4 | 2008.112 | 238.3 | 0.557 | | | | | | |
| 04357+3944 | HU1084 | 8.9 | 0.3 | 2008.123 | 76.4 | 0.250 | | | | | | |
| 04363+4207 | COU1707 | 9.8 | 0.1 | 2008.066 | 69.0 | 0.293 | | | | | | |
| 04371+4907 | COU2170 | 10.3 | −0.0 | 2008.861 | 190.6 | 0.646 | | AF | 3Q-dv-b | | | |
| 04378+4442 | A1010 | 8.7 | 0.8 | 2008.861 | 343.4 | 0.529 | 0.6 | AF | 4Q-dv | | | |
| 04387+1011 | A2035 | 9.9 | −0.0 | 2008.071 | 124.4 | 0.257 | | | | | | |
| 04395+2801 | HDS600 | 9.5 | 1.0 | 2008.112 | 154.3: | 0.300: | | | | | | |
| 04395+2801 | HDS600 | 9.5 | 1.0 | 2008.112 | 154.6 | 0.285 | | | | | | |
| 04399+1631 | BU1044 | 9.2 | 0.5 | 2008.036 | 206.9 | 0.567 | | | | | | |
| 04410+4302 | COU1708AB | 10.2 | — | 2008.861 | 146.2: | 0.669: | | AF | b | | | |
| 04410+4302 | COU1708AB | 10.2 | — | 2008.861 | 146.4 | 0.701 | | AF | 4Q-dv-b | | | |
| 04410+4302 | COU1708AB | 10.2 | 1.8 | 2008.861 | 145.5 | 0.664 | | AF | 2Q-dv-b | | | |
| 04414+2014 | A2352 | 9.3 | 4.5 | 2008.120 | 139.1: | 0.454: | 2.4 | | ly (ni) | | | |
| 04415+1642 | A2353 | 9.0 | −0.0 | 2008.036 | 133.5: | 0.221: | | | | | | |
| 04427+2441 | COU82 | 9.6 | 1.2 | 2008.063 | 359.8 | 0.561 | | | | | | |
| 04445+3953 | COU1524 | 8.8 | 0.9 | 2008.063 | 209.0 | 0.207 | | | | | | |
| 04464+4221 | COU2031 | 7.4 | −0.0 | 2008.066 | 153.9: | 0.268: | | | | +8.6 | +0.161 | Tam2006 |
| 04469+4708 | COU2032 | 9.7 | 2.1 | 2008.861 | 241.6 | 0.990 | | AF | 4Q-dv-b | | | |
| 04475+4324 | A1544AB-C | 9.5 | 0.2 | 2008.066 | 21.7 | 1.378 | | | | | | |
| 04476+2211 | HU443 | 10.4 | 0.1 | 2008.855 | 294.7 | 0.500 | | AF | 4Q-dv | | | |
| 04480+4339 | COU2033 | 9.2 | −0.0 | 2008.861 | 311.7 | 0.278 | | AF | 4Q-dv | | | |
| 04486+1256 | HDS618 | 8.1 | 1.5 | 2008.071 | — | — | | | S | | | |
| 04509+4330 | COU1711 | 8.8 | 1.3 | 2008.861 | 228.5: | 0.307: | | AF | | | | |
| 04512+1104 | BU883AB | 7.8 | 0.2 | 2008.071 | 170.3 | 0.208 | | | | +0.4 | +0.005 | Sod1999 |
| 04522+3613 | HDS628 | 8.7 | 3.2 | 2008.123 | 338.9 | 0.822 | 2.8 | | ly (ni) | | | |
| 04522+3613 | HDS628 | 8.7 | 3.2 | 2008.123 | 339.0 | 0.829 | | | | | | |
| 04539+2246 | HDS632 | 10.0 | 3.3 | 2008.120 | 179.1 | 0.599 | | | | | | |
| 04542+4935 | COU2577Aa | 8.5 | 0.5 | 2008.066 | — | — | | | S | | | |
| 04550+1436 | HDS634 | 8.2 | 0.5 | 2008.071 | — | — | | | S | | | |
| 04567+3917 | HU1091 | 9.7 | 0.2 | 2008.123 | 35.6 | 0.878 | | | | | | |
| 04573+1524 | HEI38 | 9.8 | 0.4 | 2008.112 | 224.9 | 0.599 | | | | | | |
| 04584+1900 | COU709 | 9.7 | 1.8 | 2008.071 | 242.0 | 0.546 | | | | | | |
| 04585+4047 | COU1717 | 9.1 | 0.8 | 2008.861 | 121.8 | 0.258 | | AF | | | | |
| 04599+4319 | A1551AB | 9.7 | −0.0 | 2008.861 | 285.3 | 0.247 | | AF | 4Q-dv | | | |
| 05013+2632 | BU1238 | 7.6 | 3.0 | 2008.063 | 16.7 | 1.548 | | | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05013+2632 | BU1238 | 7.6 | 3.0 | 2008.120 | 16.7 | 1.544 | | | | | | |
| 05017+2050 | HU445 | 9.3 | 0.9 | 2008.120 | 133.4 | 0.375 | | | | −0.1 | −0.050 | Sca2000a |
| 05017+2640 | A1844AB | 7.1 | 1.9 | 2008.063 | 341.8 | 0.309 | | | | −0.6 | +0.015 | Msn2005 |
| 05017+2640 | A1844AB | 7.1 | 1.9 | 2008.063 | 341.9 | 0.319 | | | | −0.5 | +0.025 | Msn2005 |
| 05017+2640 | A1844AB | 7.1 | 1.9 | 2008.120 | 341.4 | 0.313 | | | | −1.6 | +0.018 | Msn2005 |
| 05020+2817 | A480 | 8.4 | 2.9 | 2008.063 | 336.9 | 0.770 | | | | | | |
| 05044+2938 | A1024 | 8.9 | 1.1 | 2008.120 | 333.6 | 0.760 | | | | | | |
| 05048+1319 | HEI104 | 9.1 | 1.1 | 2008.112 | 359.1: | 0.123: | | | | | | |
| 05055+4655 | A1023 | 7.3 | 0.5 | 2008.861 | 64.4 | 0.299 | 0.3 | AF | 1Q-dv | | | |
| 05063+3739 | COU1528Aa | 9.6 | 0.5 | 2008.123 | 68.9 | 0.606 | | | | | | |
| 05063+3806 | COU1527 | 9.8 | 0.5 | 2008.123 | 190.3 | 0.449 | | | | | | |
| 05070+1150 | HDS668 | 9.2 | 3.8 | 2008.112 | 156.1: | 0.656: | | | | | | |
| 05070+1150 | HDS668 | 9.2 | 3.8 | 2008.112 | 156.3: | 0.656: | | | | | | |
| 05070+3004 | A1028 | 9.2 | 0.6 | 2008.123 | 221.4 | 0.428 | | | | | | |
| 05077+1413 | HU1222 | 9.5 | 0.2 | 2008.071 | — | — | | | S | | | |
| 05078+3723 | COU1529 | 10.0 | 0.9 | 2008.123 | 356.9 | 0.510 | 0.9 | | ly (ni) | | | |
| 05078+3723 | COU1529 | 10.0 | 0.9 | 2008.123 | 358.0 | 0.514 | | | | | | |
| 05085+3755 | COU1531 | 8.5 | 2.0 | 2008.123 | 45.4 | 0.284 | | | | | | |
| 05091+1624 | HEI39 | 9.3 | 1.3 | 2008.112 | 36.7 | 0.265 | | | | | | |
| 05108+3622 | COU1719 | 9.6 | −0.0 | 2008.123 | — | — | | | S | | | |
| 05119+3544 | COU1401Aa | 10.0 | 0.4 | 2008.123 | 46.0 | 0.315 | | | | | | |
| 05122+1716 | A2429 | 9.1 | 1.1 | 2008.071 | 32.7 | 0.846 | | | | | | |
| 05126+1024 | HDS689 | 8.7 | 1.2 | 2008.112 | 238.9 | 0.191 | | | | | | |
| 05147+3236 | COU1869 | 9.4 | −0.0 | 2008.063 | 139.1 | 0.326 | | | | | | |
| 05153+4710 | A1031 | 7.2 | 2.0 | 2008.066 | 97.6 | :0.368 | | | | +2.6 | −0.051 | Zir2008 |
| 05167+1826 | COU2580Bb | 8.5 | 2.5 | 2008.112 | 161.9 | 0.704 | 2.4 | | ly (ni) | | | |
| 05167+1826 | COU2580Bb | 8.5 | 2.5 | 2008.112 | 164.3 | 0.712 | | | | | | |
| 05167+1826 | STF670A-Bb | 7.7 | 0.6 | 2008.112 | 165.1 | 2.528 | | | | | | |
| 05172+3755 | COU1722Aa | 10.0 | −0.0 | 2008.123 | 164.6 | 0.202 | | | | | | |
| 05199+4659 | COU2581 | 9.9 | 0.7 | 2008.066 | 152.3 | 0.333 | | | | | | |
| 05200+2425 | COU570 | 9.8 | 2.7 | 2008.120 | 216.7 | 1.382 | | | | | | |
| 05208+3329 | COU1231 | 8.8 | 0.9 | 2008.150 | 158.3 | 0.648 | | | | | | |
| 05213+3529 | COU1535 | 9.6 | −0.0 | 2008.150 | 107.3 | 0.416 | | | | | | |
| 05243+3939 | BU1317 | 9.4 | 0.0 | 2008.063 | 18.7 | 0.696 | | | | | | |
| 05251+1522 | HU1226 | 9.8 | 0.1 | 2008.112 | 52.6 | 0.614 | | | | | | |
| 05270+2737 | HO226AB | 8.7 | 0.1 | 2008.120 | 269.0 | 0.706 | | | | | | |
| 05282+4253 | COU2367 | 9.0 | 1.0 | 2008.066 | 334.1 | 0.350 | | | | | | |
| 05302+3646 | COU1727 | 9.8 | 0.1 | 2008.063 | 259.5 | 0.298 | | | | | | |
| 05305+2602 | HDS725 | 9.3 | 3.4 | 2008.120 | 312.9: | 0.178: | | | | | | |
| 05352+3245 | COU1538 | 8.1 | 2.1 | 2008.123 | 165.2 | 0.980 | 3.4 | | ly (ni) | | | |
| 05352+3245 | COU1538 | 8.1 | 2.1 | 2008.123 | 166.1 | 0.968 | | | | | | |
| 05355+4514 | COU2470 | 9.9 | 0.2 | 2008.066 | 154.5 | 0.466 | | | | | | |
| 05394+1150 | A2709 | 9.5 | 0.4 | 2008.112 | 45.1 | 0.341 | | | | | | |
| 05394+4343 | A1564 | 9.0 | 0.2 | 2008.066 | 150.1 | 0.224 | | | | −8.7 | +0.026 | Bdl2006a |
| 05394+4948 | COU2587 | 9.9 | −0.0 | 2008.066 | 130.5 | 0.397 | | | | | | |
| 05401+3601 | HU825 | 8.3 | 1.3 | 2008.123 | 343.1 | 0.380 | | | | | | |
| 05406+1506 | HEI109 | 8.4 | 0.5 | 2008.112 | 64.7 | 0.264 | | | | | | |
| 05418+4828 | COU2589 | 8.0 | 2.7 | 2008.066 | 256.2 | 0.362 | | | | | | |
| 05420+2814 | A1039 | 9.4 | 1.3 | 2008.063 | 108.9 | 0.283 | | | | | | |
| 05447+3118 | A1040 | 8.9 | 0.5 | 2008.150 | 87.6 | 0.885 | | | | | | |
| 05447+3118 | A1040 | 8.9 | 0.5 | 2008.150 | 88.4 | 0.890 | 0.7 | | ly (ni) | | | |
| 05449+2621 | A496 | 7.9 | 0.4 | 2008.120 | 7.6 | 0.280 | | | | | | |
| 05449+3735 | HU1110 | 8.9 | 1.9 | 2008.150 | 229.8 | 0.737 | | | | | | |
| 05460+1048 | A2711 | 9.1 | −0.0 | 2008.071 | 32.2 | 0.191 | | | | | | |
| 05472+2153 | HU39 | 9.1 | 0.1 | 2008.120 | 20.9 | 0.152 | | | | −11.5 | −0.017 | Alz1998a |
| 05472+2837 | COU763 | 8.0 | 2.3 | 2008.120 | 196.9 | 0.781 | | | | | | |
| 05480+3553 | COU1402 | 9.5 | 1.0 | 2008.063 | 132.3 | 0.611 | | | | | | |
| 05500+1601 | A2438AB | 9.4 | 0.7 | 2008.071 | 343.2 | 0.332 | | | | | | |
| 05505+2027 | COU372 | 8.9 | −0.0 | 2008.063 | 31.3: | 0.551: | | | | | | |
| 05505+3935 | COU2180 | 9.4 | 0.3 | 2008.123 | 134.8 | 0.277 | | | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05505+4442 | COU2471 | 9.9 | −0.0 | 2008.066 | 178.4 | 0.468 | | | | | | |
| 05517+3045 | A1045 | 8.3 | 3.3 | 2008.150 | 291.6 | 1.056 | 2.7 | | ly (ni) | | | |
| 05517+3045 | A1045 | 8.3 | 3.3 | 2008.150 | 292.0 | 1.040 | | | | | | |
| 05519+3135 | COU896 | 9.6 | 2.6 | 2008.150 | 286.3 | 1.574 | | | | | | |
| 05519+3135 | COU896 | 9.6 | 2.6 | 2008.150 | 286.7 | 1.514 | 1.3 | | ly (ni) | | | |
| 05551+1506 | HEI111 | 9.8 | 0.4 | 2008.112 | 347.2: | 0.285: | | | | | | |
| 05569+2121 | CHR214Aa | 9.5 | 0.3 | 2008.120 | 127.7 | 0.275 | | | | | | |
| 05569+2121 | HU449AB | 9.5 | 3.2 | 2008.120 | 341.7 | 3.073 | | | | | | |
| 05573+4132 | COU2183 | 9.5 | 2.7 | 2008.066 | 225.5 | 0.958 | | | | | | |
| 05579+3801 | COU1731 | 9.6 | 2.0 | 2008.123 | 343.7 | 0.836 | | | | | | |
| 05582+1606 | A2440 | 9.1 | 1.5 | 2008.071 | 7.3 | 0.285 | | | | | | |
| 05589+3004 | COU906 | 10.0 | 0.4 | 2008.123 | 24.9 | 0.437 | | | | | | |
| 05591+4557 | COU2472 | 10.0 | −0.0 | 2008.066 | 46.7 | 0.405 | | | | | | |
| 05594+1344 | A2441 | 8.6 | 0.5 | 2008.071 | 271.7 | 0.287 | | | | | | |
| 05598+3603 | HDS813 | 8.2 | 2.4 | 2008.150 | 345.8 | 0.368 | | | | | | |
| 06001+3056 | COU908 | 9.6 | −0.0 | 2008.123 | 94.9 | 0.274 | | | | | | |
| 06003+3643 | COU1872 | 10.0 | 0.2 | 2008.063 | 240.7: | 0.398: | | | | | | |
| 06006+3005 | COU909 | 9.5 | 1.2 | 2008.123 | 347.9 | 0.676 | | | | | | |
| 06009+3954 | COU2048 | 9.9 | −0.0 | 2008.150 | 140.8 | 0.316 | | | | | | |
| 06022+2356 | HDS822 | 9.2 | 3.3 | 2008.126 | 135.6 | 0.701 | | | | | | |
| 06033+1108 | A2807 | 8.5 | 1.1 | 2008.071 | 106.8 | 0.636 | | | | | | |
| 06034+3949 | A1950 | 9.0 | 1.8 | 2008.123 | — | — | | | S | | | |
| 06037+3509 | COU1540 | 8.4 | 1.8 | 2008.150 | — | — | | | NR | | | |
| 06049+3211 | HU827 | 9.8 | −0.0 | 2008.150 | 81.4 | 0.282 | | | | | | |
| 06058+3753 | COU1732 | 10.0 | 0.5 | 2008.150 | 154.5 | 0.359 | | | | | | |
| 06060+2331 | HU450 | 8.8 | 1.5 | 2008.126 | 244.0 | 0.449 | | | | | | |
| 06071+3228 | COU1235BC | 10.0 | 0.8 | 2008.063 | 140.3 | 0.896 | | | | | | |
| 06073+1848 | COU471 | 8.3 | 1.4 | 2008.071 | 161.9 | 0.371 | | | | | | |
| 06076+2152 | COU271 | 7.8 | 2.9 | 2008.126 | 147.3 | 0.520 | | | | | | |
| 06084+2709 | COU1099 | 9.7 | −0.0 | 2008.120 | 7.5 | 0.305 | | | | | | |
| 06086+2901 | COU1100 | 9.3 | 1.2 | 2008.063 | 114.1 | 0.483 | | | | | | |
| 06097+1630 | A2514 | 9.3 | −0.0 | 2008.071 | 102.4 | 0.309 | | | | | | |
| 06097+2914 | A54AB | 8.1 | 1.6 | 2008.126 | 332.7 | 0.585 | | | | | | |
| 06120+3531 | HU701 | 9.5 | 1.0 | 2008.104 | 227.0 | 0.215 | | | | | | |
| 06140+1216 | A2515 | 9.6 | 0.2 | 2008.071 | 18.3 | 0.443 | | | | | | |
| 06152+2917 | COU1103 | 8.5 | 2.0 | 2008.120 | 48.6 | 0.321 | | | | | | |
| 06178+3811 | COU1873 | 9.6 | −0.0 | 2008.104 | 34.5 | 0.250 | | | | | | |
| 06181+3423 | COU1541 | 10.0 | 0.9 | 2008.123 | 32.3 | 1.118 | | | | | | |
| 06198+2025 | HU453 | 9.9 | 0.8 | 2008.126 | 271.9 | 0.359 | | | | | | |
| 06216+2500 | COU718 | 9.0 | 1.8 | 2008.126 | 203.8 | :0.353: | | | | | | |
| 06236+1739 | A2517 | 9.1 | 0.5 | 2008.071 | 199.1 | 0.167 | | | | | | |
| 06237+3220 | HU830 | 9.3 | 2.1 | 2008.123 | 231.1 | 0.926 | | | | | | |
| 06245+4707 | COU2477 | 8.1 | 3.6 | 2008.115 | 126.3 | 1.451 | | | | | | |
| 06250+4233 | A2356 | 9.0 | 0.1 | 2008.066 | 82.5 | 0.886 | | | | | | |
| 06254+3544 | HU831 | 9.8 | 0.2 | 2008.123 | 292.6 | 0.367 | | | | | | |
| 06283+2441 | COU914 | 9.8 | 0.9 | 2008.126 | 300.3 | 0.235 | | | | | | |
| 06293+1233 | A2726 | 9.0 | 0.2 | 2008.071 | 124.8 | 0.600 | | | | | | |
| 06307+3156 | COU1408 | 10.0 | 3.0 | 2008.150 | 185.9 | 1.624 | | | | | | |
| 06313+2248 | COU581 | 9.5 | 0.1 | 2008.120 | 239.9 | 0.312 | | | | | | |
| 06348+3901 | A2520AB | 9.6 | 1.8 | 2008.150 | 38.7 | 0.322 | | | | | | |
| 06357+2816 | A506 | 8.6 | 0.3 | 2008.126 | 38.8 | 0.239 | | | | | | |
| 06364+2717 | STT149 | 7.1 | 1.8 | 2008.109 | 286.9 | 0.715 | | | | −3.1 | −0.006 | Hei1993d |
| 06364+3006 | A217 | 8.9 | 0.7 | 2008.104 | 76.9 | 0.180 | | | | | | |
| 06367+2139 | A2119 | 9.8 | 0.1 | 2008.120 | 260.0 | 0.345 | | | | | | |
| 06370+3338 | COU1546 | 8.6 | 4.9 | 2008.150 | — | — | | | NR | | | |
| 06370+3813 | AG116 | 9.8 | 0.8 | 2008.104 | 33.2 | 2.354 | | | | | | |
| 06370+3817 | COU2059 | 9.6 | 0.7 | 2008.104 | 128.0 | 0.357 | | | | | | |
| 06370+3817 | COU2059 | 9.6 | 0.7 | 2008.123 | 135.9 | 0.301 | | | | | | |
| 06378+4117 | COU2373 | 8.9 | 2.1 | 2008.066 | 43.3 | 0.475 | | | | | | |
| 06381+1953 | A2452 | 9.3 | 0.4 | 2008.112 | 91.8 | 0.984 | | | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06384+2859 | MCA27 | 7.0 | 0.8 | 2008.120 | — | — | | | 0R-S | | | |
| 06393+4200 | STT150 | 8.1 | 0.6 | 2008.115 | 13.4 | 0.279 | | | | +8.1 | +0.037 | Doc2007d |
| 06404+2505 | A1053 | 9.5 | 0.4 | 2008.172 | 332.6 | 1.026 | | | | | | |
| 06404+4058 | STF945 | 7.2 | 1.1 | 2008.115 | 330.3 | 0.486 | | | | | | |
| 06412+1948 | COU915 | 9.6 | −0.0 | 2008.112 | 357.6 | 0.235 | | | | | | |
| 06412+1948 | COU915 | 9.6 | −0.0 | 2008.150 | 356.7 | 0.264 | | | | | | |
| 06418+3041 | A218 | 9.3 | 0.0 | 2008.104 | 44.7 | 0.252 | | | | +10.8 | +0.026 | Hei1997 |
| 06422+2846 | COU1105 | 9.5 | −0.0 | 2008.126 | — | — | | | S | | | |
| 06431+4509 | COU2480 | 10.0 | −0.0 | 2008.066 | 84.8 | 0.271 | | | | | | |
| 06435+2754 | A510 | 9.5 | 2.5 | 2008.126 | 74.3 | 0.781 | | | | | | |
| 06436+1626 | A2358 | 9.8 | −0.0 | 2008.112 | 313.8: | 0.220: | | | | | | |
| 06450+1045 | A2825 | 8.8 | 0.2 | 2008.112 | 173.8 | 0.246 | | | | | | |
| 06455+2922 | A122 | 8.9 | 0.5 | 2008.172 | 28.9 | 0.452 | | | | +0.5 | −0.003 | Baz1986a |
| 06494+4037 | A2360 | 9.4 | 0.4 | 2008.066 | 265.0 | 0.171 | | | | | | |
| 06502+3624 | COU1738 | 9.0 | 0.5 | 2008.101 | 170.3: | 0.130: | | | | | | |
| 06503+2409 | COU768 | 8.9 | 0.8 | 2008.098 | 45.3: | 0.371: | | | | +24.7 | +0.311 | Doc2003e |
| 06503+2409 | COU768 | 8.9 | 0.8 | 2008.098 | 115.8: | 0.178: | | | | | | |
| 06504+4318 | COU2601 | 9.8 | 1.4 | 2008.066 | 34.8 | 0.609 | | | | | | |
| 06512+2133 | COU473 | 9.5 | 0.3 | 2008.126 | 190.5 | 0.352 | | | | | | |
| 06525+3248 | COU1552 | 9.7 | 0.6 | 2008.104 | 116.2 | 0.233 | | | | | | |
| 06528+2458 | A513AB | 9.8 | 0.2 | 2008.150 | 152.4 | 0.310 | | | | −20.3 | −0.014 | Hei1996c |
| 06532+3826 | COU1877 | 6.5 | 2.5 | 2008.101 | 226.9 | 0.233: | | | | −6.3 | +0.010 | Hrt2009 |
| 06535+3951 | A3039 | 9.9 | 0.6 | 2008.104 | — | — | | | NR | | | |
| 06538+2828 | COU918 | 9.7 | −0.0 | 2008.126 | — | — | | | S | | | |
| 06549+1158 | A2833 | 8.3 | 0.9 | 2008.112 | 135.9 | 0.396 | | | | | | |
| 06565+1940 | COU770 | 9.7 | 0.4 | 2008.112 | 352.8 | 0.406 | | | | | | |
| 06571+4346 | COU2275 | 9.9 | 0.2 | 2008.066 | 176.4 | 0.309 | | | | | | |
| 06577+1935 | A2459 | 9.8 | −0.0 | 2008.150 | 273.9 | 0.387 | | | | | | |
| 06584+2443 | COU921 | 9.5 | −0.0 | 2008.126 | — | — | | | S | | | |
| 06589+1847 | A2460 | 9.9 | 0.7 | 2008.112 | 172.1 | 0.284 | | | | | | |
| 06596+4432 | COU2482 | 9.0 | 0.2 | 2008.066 | 253.9 | 0.202 | | | | | | |
| 06598+1556 | A2461AB | 7.2 | 1.5 | 2008.112 | 339.5 | 0.319 | | | | | | |
| 07001+4211 | COU2374 | 8.2 | 0.2 | 2008.115 | 17.0 | 0.289 | | | | | | |
| 07010+2927 | COU1242 | 9.2 | 0.4 | 2008.120 | 190.0 | 0.360 | | | | | | |
| 07021+2148 | CHR215 | 8.0 | 0.3 | 2008.150 | 218.4: | 0.146: | | | | | | |
| 07021+4101 | COU2061 | 9.6 | 0.3 | 2008.066 | 3.1 | 0.328 | | | | | | |
| 07023+2159 | COU924 | 9.3 | 3.4 | 2008.098 | 312.9 | 1.315 | | | | | | |
| 07043+3734 | MCA29 | 8.3 | 1.2 | 2008.101 | 187.7 | 0.234 | | | | | | |
| 07064+1853 | COU584 | 8.8 | 1.5 | 2008.150 | 208.5 | 0.657 | | | | | | |
| 07074+3532 | COU1740 | 10.0 | 0.5 | 2008.104 | 276.8 | 0.387 | | | | | | |
| 07076+4244 | A2466 | 9.8 | 0.3 | 2008.066 | 20.9 | 0.265 | | | | | | |
| 07080+3552 | COU2063 | 9.5 | 0.2 | 2008.104 | 173.0: | 0.218: | | | | | | |
| 07096+3828 | COU2064BC | 9.7 | 0.2 | 2008.104 | 117.8 | 0.332 | | | | | | |
| 07096+3828 | STF1021A-BC | 9.0 | 0.9 | 2008.104 | 12.8 | 4.194 | | | | | | |
| 07118+1953 | COU925 | 8.2 | 1.9 | 2008.112 | 68.6 | 0.458 | | | | | | |
| 07118+4601 | A1326 | 9.3 | 1.3 | 2008.066 | 338.2 | 0.223 | | | | | | |
| 07132+1656 | A2523 | 9.2 | 2.0 | 2008.150 | 40.6 | 0.840 | | | | | | |
| 07132+1656 | A2523 | 9.2 | 2.0 | 2008.150 | 41.1 | 0.839 | | | | | | |
| 07151+2553 | BU1023 | 9.4 | 0.6 | 2008.120 | 307.2 | 0.458 | | | | | | |
| 07153+1849 | CHR217 | 8.6 | 0.8 | 2008.112 | 339.9 | 0.166 | | | | | | |
| 07154+1904 | A2527 | 8.6 | 3.3 | 2008.112 | 289.5 | 2.241 | | | | | | |
| 07164+3042 | A672 | 8.8 | 3.0 | 2008.101 | — | — | | | S | | | |
| 07167+1609 | HDS1007 | 7.1 | 1.5 | 2008.150 | 159.0: | 0.222: | | | | | | |
| 07169+3844 | COU2066 | 9.1 | 2.0 | 2008.123 | 202.1 | 0.719 | | | | | | |
| 07171+2641 | CHR218 | 7.0 | 0.7 | 2008.120 | 228.3: | 0.121: | | | | | | |
| 07181+2405 | COU585 | 8.7 | 1.1 | 2008.098 | 161.4 | 0.384 | | | | | | |
| 07181+4754 | COU2605 | 9.2 | 4.3 | 2008.066 | 200.1: | 0.302: | | | | | | |
| 07185+3857 | COU2067 | 9.9 | 2.4 | 2008.123 | 317.4 | 0.690 | | | | | | |
| 07189+2556 | HDS1017 | 8.1 | 2.9 | 2008.109 | 244.7 | 0.564 | | | | | | |
| 07189+3848 | COU2068 | 10.0 | 0.2 | 2008.104 | 98.6: | 0.171: | | | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07190+2122 | COU88 | 10.0 | 0.2 | 2008.098 | 158.6 | 0.436 | | | | | | |
| 07192+2058 | HDS1019 | 8.7 | 3.5 | 2008.150 | 113.0: | 0.780: | | | | | | |
| 07202+4820 | HU619AB | 9.2 | 1.5 | 2008.066 | 12.8 | 0.315 | | | | | | |
| 07218+2455 | A2737 | 9.6 | 1.4 | 2008.150 | 244.8 | 1.344 | 2.0 | | 3Q-ly | | | |
| 07218+2455 | A2737 | 9.6 | 1.4 | 2008.150 | 245.4 | 1.352 | 1.8 | | ly (ni) | | | |
| 07226+2916 | HO243 | 10.6 | 0.5 | 2008.109 | 169.4 | 2.461 | | | | | | |
| 07227+1417 | HEI128 | 9.1 | 0.1 | 2008.112 | 40.0 | 0.175 | | | | | | |
| 07231+2918 | BU1024AB | 9.8 | 1.4 | 2008.109 | 103.4 | 1.421 | | | | | | |
| 07243+3619 | HDS1039 | 7.4 | 2.5 | 2008.101 | 351.1 | 0.491 | | | | | | |
| 07251+1956 | HU706 | 9.1 | 0.4 | 2008.150 | 227.3 | 0.796 | | | | | | |
| 07251+4039 | COU2376 | 10.0 | 0.3 | 2008.066 | 53.8 | 0.245 | | | | | | |
| 07271+3117 | COU1245 | 9.9 | 0.7 | 2008.104 | 94.5 | 0.317 | | | | | | |
| 07272+4437 | COU2485 | 9.5 | 0.3 | 2008.066 | 176.1 | 0.331 | | | | | | |
| 07278+2326 | COU949 | 10.0 | 3.3 | 2008.098 | 201.1 | 1.194 | | | | | | |
| 07286+3152 | HDS1053 | 9.0 | 1.7 | 2008.123 | — | — | | | S | | | |
| 07291+2348 | A2738 | 8.4 | 4.2 | 2008.120 | 78.3 | 1.429 | | | | | | |
| 07294+4717 | A2046 | 8.3 | 1.6 | 2008.115 | 246.4 | 1.437 | | | | | | |
| 07298+3710 | HDS1057 | 8.8 | 0.6 | 2008.101 | — | — | | | S | | | |
| 07303+4959 | STF1093 | 8.8 | 0.2 | 2008.115 | 201.8 | 0.892 | | | | +0.7 | +0.021 | Hrt2009 |
| 07309+3034 | A673AB | 9.2 | 0.3 | 2008.104 | 355.8 | 0.387 | | | | | | |
| 07309+4027 | COU2187 | 9.0 | 1.1 | 2008.066 | 226.4 | 0.435 | | | | | | |
| 07310+3644 | COU1885 | 10.0 | 1.0 | 2008.123 | 353.5 | 0.415 | | | | | | |
| 07315+3353 | COU1886AB | 10.0 | 2.0 | 2008.123 | 68.1 | 0.806 | | | | | | |
| 07321+3353 | GII1 | 10.3 | 2.1 | 2008.126 | 134.2 | 1.293 | | | | | | |
| 07348+1138 | A3049AB | 9.1 | 2.5 | 2008.112 | 356.3 | 0.625 | | | | | | |
| 07352+1721 | COU474 | 9.4 | 1.3 | 2008.112 | 211.7 | 0.482 | | | | | | |
| 07354+1950 | COU475AB | 9.2 | 2.3 | 2008.150 | 18.0 | 1.061 | | | | | | |
| 07354+2426 | COU950 | 10.0 | 2.7 | 2008.098 | 24.7 | 1.658 | | | | | | |
| 07359+1709 | COU476 | 10.0 | 0.2 | 2008.150 | 95.8 | 0.397 | | | | | | |
| 07362+1815 | A2874 | 9.2 | 0.5 | 2008.112 | 48.7 | 0.297 | | | | | | |
| 07374+3852 | HU842AB | 8.3 | 1.4 | 2008.101 | 75.1 | 0.449 | | | | −1.4 | +0.018 | Lin2008c |
| 07384+3742 | COU2071 | 9.8 | 0.8 | 2008.123 | 58.0 | 1.171 | | | | | | |
| 07385+2819 | COU1247Aa,Ab | 9.6 | 0.5 | 2008.098 | 326.6: | 0.333: | | | | | | |
| 07403+2621 | COU1248 | 9.1 | 1.0 | 2008.098 | 294.3 | 0.362 | | | | | | |
| 07413+1804 | COU771 | 9.0 | 3.0 | 2008.150 | 210.0 | 2.206 | 2.8 | | ly (ni) | | | |
| 07413+1804 | COU771 | 9.0 | 3.0 | 2008.150 | 210.1 | 2.231 | | | | | | |
| 07417+3726 | STT177 | 8.0 | 1.3 | 2008.101 | 151.5 | 0.551 | | | | +3.2 | +0.030 | Hei1982c |
| 07446+3107 | A674 | 8.2 | 1.6 | 2008.101 | 125.1 | 1.078 | | | | | | |
| 07461+2107 | HO247 | 7.7 | 1.5 | 2008.109 | 71.5 | 0.466 | | | | | | |
| 07470+2045 | HU845 | 9.6 | 0.5 | 2008.109 | 139.9 | 0.708 | | | | | | |
| 07471+1847 | COU772 | 9.0 | 0.2 | 2008.112 | 72.1 | 0.307 | | | | | | |
| 07476+2528 | HO36 | 9.9 | 0.1 | 2008.098 | 126.0 | 0.648 | | | | | | |
| 07486+2308 | WRH15AB | 6.8 | 0.5 | 2008.120 | 34.0 | 0.289 | | | | +0.6 | +0.019 | Sey2002 |
| 07493+3541 | COU2074 | 10.0 | −0.0 | 2008.104 | — | — | | | NR | | | |
| 07498+2616 | HDS1110 | 7.0 | 3.1 | 2008.120 | 203.8 | 0.389 | | | | | | |
| 07505+1729 | HDS1114 | 8.6 | 1.0 | 2008.150 | 59.5 | 0.164 | | | | | | |
| 07506+1944 | COU926 | 9.5 | 0.2 | 2008.112 | 253.7 | 0.288 | | | | | | |
| 07534+4544 | COU2492 | 7.7 | 1.7 | 2008.115 | 232.5 | 0.769 | | | | | | |
| 07540+1346 | HEI55 | 9.4 | 0.1 | 2008.112 | 332.3 | 0.406: | | | | | | |
| 07545+2610 | COU1111Aa | 10.0 | −0.0 | 2008.098 | 156.3 | 0.367 | | | | | | |
| 07546+3100 | A675 | 9.3 | 0.4 | 2008.123 | 201.2 | 0.161 | | | | | | |
| 07551+1023 | HDS1126 | 9.5 | 0.6 | 2008.112 | 332.7 | 0.182 | | | | | | |
| 07555+2422 | A2537 | 9.2 | 0.4 | 2008.109 | 36.2 | 0.218 | | | | | | |
| 07556+3630 | COU2075 | 8.6 | 0.4 | 2008.101 | 142.3 | 0.840 | | | | | | |
| 07560+2342 | COU929 | 7.9 | 0.7 | 2008.098 | 9.3 | 0.275 | | | | −5.9 | +0.009 | Hrt2009 |
| 07566+1954 | COU930 | 9.1 | 0.2 | 2008.112 | 328.9 | 0.605 | | | | | | |
| 07566+1954 | COU930 | 9.1 | 0.2 | 2008.112 | 329.8 | 0.583 | | | | | | |
| 07580+1741 | HDS1133 | 8.9 | 2.2 | 2008.150 | 281.3 | 0.521 | | | | | | |
| 08001+2659 | COU1112 | 9.6 | −0.0 | 2008.098 | 91.6 | 0.356 | | | | | | |
| 08013+3613 | COU1888 | 9.8 | 1.7 | 2008.123 | 162.2 | 0.898 | | | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08031+2435 | HDS1147 | 9.1 | 3.3 | 2008.120 | 4.0 | 0.520 | | | | | | |
| 08033+2616 | STT186 | 7.7 | 0.2 | 2008.109 | 74.0 | 1.001 | | | | | | |
| 08044+1217 | BU581AB | 8.5 | 0.4 | 2008.112 | 153.3 | 0.361 | | | | +0.6 | −0.003 | Hrt2000b |
| 08047+4717 | A2050AB | 8.5 | −0.0 | 2008.115 | — | — | | | 1Q <0.1 | | | |
| 08065+2553 | A2541 | 9.1 | 0.5 | 2008.098 | 4.2 | 0.523 | | | | | | |
| 08084+3752 | HDS1156 | 7.9 | 2.9 | 2008.101 | — | — | | | S | | | |
| 08091+3714 | HU849 | 9.7 | 0.1 | 2008.243 | 283.4 | 1.242 | | | | | | |
| 08125+2309 | COU587 | 10.0 | 2.5 | 2008.150 | 316.3 | 1.060 | | | | | | |
| 08126+2849 | COU1114 | 8.4 | 1.1 | 2008.098 | 212.2: | 0.124: | | | | | | |
| 08127+2613 | A2471 | 8.6 | 1.5 | 2008.109 | 77.2: | 0.379: | | | | | | |
| 08147+2022 | COU45 | 10.0 | 1.0 | 2008.150 | 87.4 | 0.940 | | | | | | |
| 08147+2022 | COU45 | 10.0 | 1.0 | 2008.243 | 85.7 | 0.989 | | | | | | |
| 08148+3630 | HU1123 | 8.9 | 0.5 | 2008.101 | 156.2 | 0.396 | | | | | | |
| 08155+2124 | COU279 | 9.4 | −0.0 | 2008.098 | 129.5: | 0.240: | | | | | | |
| 08160+1842 | HO524Aa-B | 7.7 | 2.8 | 2008.150 | 341.6 | 4,484 | 4.6 | | ly (ni) | | | |
| 08160+1842 | JCT3Aa | 7.5 | −0.0 | 2008.104 | 33.6: | 0.251: | | | | | | |
| 08160+1842 | JCT3Aa | 7.5 | −0.0 | 2008.150 | — | — | | | S | | | |
| 08182+3531 | COU1742 | 10.0 | 0.1 | 2008.243 | — | — | | | S | | | |
| 08231+2001 | HO525AB | 9.8 | 0.1 | 2008.150 | 164.9 | 0.443 | | | | +33.4 | +0.188 | Baz1994 |
| 08234+4806 | COU2683 | 8.8 | −0.0 | 2008.115 | 22.1 | 0.323 | | | | | | |
| 08240+1503 | HEI476 | 10.0 | −0.0 | 2008.150 | — | — | | | S | | | |
| 08248+2149 | COU281 | 9.1 | 0.2 | 2008.098 | 120.6 | 0.372 | | | | | | |
| 08254+3723 | HU856 | 8.7 | 0.1 | 2008.101 | 307.9 | 0.288 | | | | +3.9 | +0.061 | Bld2007a |
| 08264+3906 | COU2080 | 11.0 | 0.2 | 2008.243 | 306.0 | 0.489 | | | | | | |
| 08267+2432 | A1746BC | 8.5 | −0.0 | 2008.098 | — | — | | | S | +5.9 | +0.160 | Oc2007c |
| 08307+4645 | COU2684 | 7.5 | 3.1 | 2008.115 | 339.2 | 1.188 | | | | | | |
| 08316+3458 | HU716 | 7.6 | 1.4 | 2008.101 | 52.7 | 0.282 | | | | +0.7 | +0.017 | Sod1999 |
| 08316+3458 | HU716 | 7.6 | 1.4 | 2008.243 | 49.6 | 0.320 | | | | −1.1 | +0.048 | Sod1999 |
| 08326+3227 | HU717 | 9.7 | 0.2 | 2008.104 | 54.6 | 0.520 | | | | | | |
| 08334+2023 | HDS1223 | 9.2 | 0.6 | 2008.150 | 158.1: | 0.444: | | | | | | |
| 08352+2811 | COU1115 | 10.0 | −0.0 | 2008.098 | 39.0 | 0.269 | | | | | | |
| 08352+3232 | COU1559 | 10.5 | 1.5 | 2008.243 | 258.1 | 1.959 | | | | | | |
| 08397+2005 | COU47 | 7.9 | 1.7 | 2008.098 | 320.8 | 0.572 | | | | | | |
| 08399+1933 | CHR156Dd | 6.8 | 3.0 | 2008.150 | — | — | | | NR | | | |
| 08401+2000 | CHR28Bb | 6.6 | — | 2008.150 | — | — | | | NR | | | |
| 08409+2650 | COU1116 | 10.9 | −0.0 | 2008.243 | 125.4 | 0.918 | | | | | | |
| 08413+2029 | BU585 | 7.1 | 1.0 | 2008.098 | 77.5 | 0.361 | | | | | | |
| 08417+2547 | COU1117 | 10.9 | 0.5 | 2008.243 | 217.3 | 0.748 | | | | | | |
| 08423+2002 | COU382 | 10.4 | 0.1 | 2008.243 | 176.3 | 0.291 | 0.2 | | ly (ni) | | | |
| 08423+2002 | COU382 | 10.4 | 0.1 | 2008.243 | 177.5 | 0.244 | | | | +1.8 | +0.096 | Cou1999b |
| 08427+2603 | HO354 | 9.3 | 1.1 | 2008.098 | 186.0 | 0.957 | | | | | | |
| 08449+1710 | COU954 | 9.8 | −0.0 | 2008.150 | 55.4: | 0.179: | | | | | | |
| 08481+1836 | COU956 | 9.4 | 0.3 | 2008.150 | 20.7 | 0.299 | | | | | | |
| 08493+3226 | COU1743 | 10.8 | 0.4 | 2008.243 | 117.6 | 0.343 | | | | | | |
| 08503+3504 | COU1893 | 10.0 | −0.0 | 2008.104 | — | — | | | NR | | | |
| 08514+2105 | COU588 | 9.5 | 0.5 | 2008.098 | 332.8 | 0.396 | | | | | | |
| 08514+2105 | COU588 | 9.5 | 0.5 | 2008.150 | 336.0 | 0.419 | | | | | | |
| 08525+1629 | A2474 | 9.9 | 0.5 | 2008.150 | 46.8 | 0.330 | | | | | | |
| 08531+5457 | A1584 | 9.0 | 1.3 | 2008.172 | 82.3 | 0.641 | | | | −1.9 | +0.001 | Hei1991 |
| 08539+1958 | COU773 | 7.3 | 0.5 | 2008.150 | — | — | | | S | | | |
| 08542+3504 | COU1894 | 8.4 | 2.9 | 2008.101 | 287.0 | 0.708 | | | | | | |
| 08549+2612 | A2131AB | 6.9 | 2.1 | 2008.101 | 293.8 | 0.348 | | | | −2.7 | +0.022 | Msn2000a |
| 08557+4141 | A2132 | 8.6 | 0.2 | 2008.115 | 36.9 | 0.228 | | | | | | |
| 08561+3447 | COU1895 | 10.0 | −0.0 | 2008.104 | — | — | | | NR | | | |
| 08561+3524 | COU1896 | 8.0 | 1.8 | 2008.101 | 96.8 | 1.050 | | | | | | |
| 08561+3626 | HDS1291 | 8.4 | 2.9 | 2008.101 | 154.2 | 0.754 | | | | | | |
| 08570+3715 | HU859 | 8.8 | 1.6 | 2008.104 | 180.6 | 0.389 | | | | | | |
| 08575+2720 | COU1120 | 10.1 | 0.2 | 2008.251 | 311.6 | 0.958 | | | | | | |
| 08575+2720 | COU1120 | 10.1 | 0.2 | 2008.251 | 311.7 | 0.925 | 1.7 | | ly (ni) | | | |
| 08581+2634 | A1973 | 9.4 | 1.3 | 2008.251 | 103.5 | 1.171 | | | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08581+2634 | A1973 | 9.4 | 1.3 | 2008.251 | 103.8 | 1.195 | 2.5 | | ly (ni) | | | |
| 08585+3548 | COU1897 | 6.8 | 1.9 | 2008.101 | — | — | | | S | | | |
| 08587+2523 | A1974 | 9.4 | 0.1 | 2008.098 | 181.4 | 0.201 | | | | | | |
| 08588+1414 | HU861 | 8.6 | 0.5 | 2008.251 | 23.5 | 0.224 | | | | | | |
| 08597+2437 | COU932 | 9.7 | −0.0 | 2008.098 | 132.1: | 0.201: | | | | | | |
| 08597+2437 | COU932 | 9.7 | −0.0 | 2008.150 | 158.8: | 0.285: | | | | | | |
| 09002+1351 | HU862 | 9.7 | 0.4 | 2008.251 | 51.3 | 0.544 | | | | | | |
| 09002+1351 | HU862 | 9.7 | 0.4 | 2008.251 | 52.7 | 0.541 | 1.7 | | ly (ni) | | | |
| 09005+3225 | HU718 | 9.3 | 0.2 | 2008.104 | 44.9 | 0.272 | | | | −5.4 | −0.085 | Hei1997 |
| 09009+2417 | COU933 | 10.1 | −0.0 | 2008.243 | 137.1 | 0.425 | | | | | | |
| 09009+2417 | COU933 | 10.1 | −0.0 | 2008.243 | 137.8 | 0.373 | | | | | | |
| 09020+1436 | HU863 | 8.8 | 2.8 | 2008.251 | 330.6 | 0.988 | | | | | | |
| 09025+2117 | COU775 | 10.7 | 0.0 | 2008.243 | 80.6 | 0.462 | | | | | | |
| 09033+4740 | HU720 | 8.6 | 0.7 | 2008.115 | 135.1 | 0.745 | | | | | | |
| 09056+2843 | A554 | 8.9 | 1.9 | 2008.098 | 161.9 | 0.358 | | | | | | |
| 09056+2843 | A554 | 8.9 | 1.9 | 2008.101 | 163.6 | 0.429 | | | | | | |
| 09062+1552 | HDS1323 | 7.7 | 1.7 | 2008.251 | 356.7 | 0.192 | | | | | | |
| 09096+1606 | A2475 | 9.8 | −0.0 | 2008.150 | 178.8 | 0.385 | | | | | | |
| 09101+3534 | TDS6367 | 10.5 | 0.1 | 2008.243 | — | — | | | S | | | |
| 09136+2526 | A1978 | 9.7 | 0.7 | 2008.098 | 329.4 | 0.329 | | | | | | |
| 09154+2346 | A1979 | 9.2 | 0.5 | 2008.098 | 169.5 | 0.297 | | | | | | |
| 09159+2431 | A1980Aa-B | 9.2 | 4.3 | 2008.098 | 230.7 | 1.637 | | | | | | |
| 09159+2431 | COU934Aa | 9.7 | 0.1 | 2008.098 | 325.0 | 0.306 | | | | | | |
| 09163+3715 | COU1744 | 9.8 | 0.3 | 2008.104 | 352.5 | 0.518 | | | | | | |
| 09168+2438 | A1983 | 8.9 | 1.8 | 2008.101 | 237.9 | 1.385 | | | | | | |
| 09170+2030 | A2137 | 10.0 | 1.2 | 2008.243 | 337.5 | 1.140 | | | | | | |
| 09173+1838 | COU383 | 10.0 | 0.3 | 2008.150 | 42.5 | 0.851 | | | | | | |
| 09183+1847 | COU384 | 8.2 | 0.1 | 2008.150 | — | — | | | S | | | |
| 09184+3522 | STF1333 | 6.6 | 0.1 | 2008.219 | 49.1 | 1.948 | | | | | | |
| 09186+2049 | HO43 | 9.3 | 0.1 | 2008.098 | 102.3 | 0.554 | | | | +71.3 | +0.354 | Baz1989a |
| 09186+2944 | A221 | 9.1 | 0.3 | 2008.243 | 239.8 | 0.198 | | | | | | |
| 09187+3935 | COU2383 | 11.0 | 1.7 | 2008.243 | 161.0 | 1.350 | | | | | | |
| 09196+2415 | A1984 | 9.7 | 0.5 | 2008.150 | 334.0: | 0.134: | | | | | | |
| 09239+2754 | STT201AB | 8.5 | 1.0 | 2008.101 | 206.6 | 1.278 | | | | | | |
| 09245+1808 | A2477 | 7.5 | 1.7 | 2008.251 | 355.7 | 0.442 | | | | −0.7 | −0.031 | Msn1998c |
| 09245+1808 | A2477 | 7.5 | 1.7 | 2008.284 | 358.1 | 0.442 | | | | +1.7 | −0.031 | Msn1998c |
| 09247+2641 | HDS1351Aa | 8.8 | 2.1 | 2008.101 | 197.6 | 0.344 | | | | | | |
| 09251+2616 | BU1070 | 9.4 | 1.1 | 2008.098 | 90.9 | 0.352 | | | | | | |
| 09260+2839 | A222 | 9.1 | 0.3 | 2008.098 | 13.7 | 0.396 | | | | +6.6 | +0.067 | Hei1997 |
| 09263+3109 | A4 | 9.6 | 1.1 | 2008.219 | 37.0 | 0.898 | | | | | | |
| 09276+3453 | HDS1355 | 9.9 | 2.5 | 2008.219 | 290.4 | 0.589 | | | | | | |
| 09279+3128 | HO366AB | 9.4 | 0.4 | 2008.104 | — | — | | | S | | | |
| 09290+1917 | COU936 | 8.4 | 1.5 | 2008.251 | 224.8 | 0.905 | | | | | | |
| 09311+3417 | COU1564 | 10.2 | 0.5 | 2008.243 | 281.8 | 0.781 | | | | | | |
| 09338+3231 | COU1415 | 10.4 | 0.8 | 2008.243 | 306.7: | 0.393: | | | | | | |
| 09354+3958 | COU2084Aa | 7.0 | 1.8 | 2008.101 | 71.4 | 0.168 | | | | | | |
| 09362+2340 | COU478 | 10.6 | 0.3 | 2008.243 | 41.2 | 0.871 | | | | | | |
| 09364+1856 | COU386AB | 8.9 | 2.4 | 2008.284 | 230.9 | 0.827 | | | | | | |
| 09371+1614 | STF1372 | 8.5 | 0.1 | 2008.251 | 243.3 | 0.300 | | | | −4.1 | +0.009 | Alz2005a |
| 09371+1614 | STF1372 | 8.5 | 0.1 | 2008.284 | 245.5 | 0.293 | | | | −1.9 | +0.002 | Alz2005a |
| 09376+1528 | A2479 | 9.2 | 0.6 | 2008.251 | 183.4 | 0.392 | | | | −54.3 | +0.133 | Hei1978a |
| 09390+3017 | COU1254 | 10.3 | 0.2 | 2008.243 | 89.8 | 0.558 | | | | | | |
| 09396+1823 | COU387 | 9.5 | 0.8 | 2008.251 | 250.3 | 0.678 | | | | | | |
| 09423+5328 | CHR29 | 9.3 | — | 2008.172 | — | — | | | S | | | |
| 09429+5035 | HU629 | 8.5 | 0.8 | 2008.172 | 193.8 | 0.385 | | | | | | |
| 09477+1023 | HEI490 | 8.3 | 0.9 | 2008.251 | 232.9 | 0.311 | 1.7 | | ly (ni) | | | |
| 09477+1023 | HEI490 | 8.3 | 0.9 | 2008.251 | 238.1 | 0.302 | | | | | | |
| 09477+2036 | COU284 | 8.1 | 0.2 | 2008.098 | — | — | | | S | | | |
| 09499+1947 | COU285 | 9.2 | 0.9 | 2008.251 | 185.7 | 0.466 | 2.1 | | ly (ni) | | | |
| 09499+1947 | COU285 | 9.2 | 0.9 | 2008.251 | 187.0 | 0.478 | | | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09500+1634 | STF1385 | 9.0 | 1.6 | 2008.251 | 328.3 | 0.950 | | | | | | |
| 09500+1634 | STF1385 | 9.0 | 1.6 | 2008.251 | 330.3 | 0.957 | 2.5 | | ly (ni) | | | |
| 09506+3331 | COU1568 | 10.5 | 2.5 | 2008.243 | 349.5 | 0.530 | | | | | | |
| 09512+3629 | HO369AB | 8.0 | 1.8 | 2008.219 | 105.7 | 0.350 | | | | +1.1 | −0.065 | Sey2000b |
| 09512+3629 | HO369AB | 8.0 | 1.8 | 2008.284 | 103.9 | 0.359 | | | | −0.7 | −0.056 | Sey2000b |
| 09530+2638 | COU1123 | 10.6 | −0.0 | 2008.243 | 84.7 | 0.534 | | | | | | |
| 09544+3041 | COU1258 | 9.9 | 0.8 | 2008.104 | — | — | | | S | | | |
| 09577+2540 | COU938 | 9.7 | 0.2 | 2008.098 | 58.3 | 0.228 | | | | | | |
| 09581+2059 | COU286 | 7.7 | 2.3 | 2008.251 | 204.2 | 1.770 | 3.5 | | ly (ni) | | | |
| 09581+2059 | COU286 | 7.7 | 2.3 | 2008.251 | 204.5 | 1.754 | | | | | | |
| 09581+2059 | COU286 | 7.7 | 2.3 | 2008.284 | 203.4 | 1.761 | | | | | | |
| 09581+3856 | COU2086 | 8.9 | 0.4 | 2008.104 | 0.2: | 0.418: | | | | | | |
| 09587+3853 | COU2087 | 9.3 | 3.2 | 2008.219 | — | — | | | NR | | | |
| 09587+3853 | COU2087 | 9.3 | 3.2 | 2008.243 | 126.3 | 0.334 | | | | | | |
| 09591+5316 | A1346 | 8.8 | 0.8 | 2008.172 | 180.8 | 0.512 | | | | −0.7 | −0.006 | Hrt2009 |
| 09598+3128 | HDS1442 | 8.7 | 2.3 | 2008.219 | 307.0 | 0.405 | | | | | | |
| 09599+1610 | A2482 | 9.3 | 0.8 | 2008.251 | 40.3 | 0.805 | | | | | | |
| 09599+1610 | A2482 | 9.3 | 0.8 | 2008.290 | 38.3 | 0.825 | | | | | | |
| 09599+1610 | A2482 | 9.3 | 0.8 | 2008.290 | 39.4 | 0.836 | 2.2 | | ly (ni) | | | |
| 10000+2433 | CHR145 | 8.1 | 2.3 | 2008.098 | 10.4 | 0.310 | | | | | | |
| 10002+3803 | COU2089 | 9.9 | 0.1 | 2008.104 | 150.4 | 0.495 | | | | | | |
| 10034+5732 | A1347 | 8.4 | 1.1 | 2008.172 | — | — | | | NR | | | |
| 10040+2521 | COU589 | 10.3 | −0.0 | 2008.243 | 78.3 | 0.495 | | | | | | |
| 10056+3105 | STF1406 | 8.4 | 1.1 | 2008.219 | 218.5 | 0.812 | | | | | | |
| 10056+3105 | STF1406 | 8.4 | 1.1 | 2008.240 | 218.7 | 0.798 | | | | | | |
| 10083+3136 | KUI48AB | 6.9 | 0.3 | 2008.219 | — | — | | | S | | | |
| 10091+2531 | A1988 | 10.0 | 0.2 | 2008.240 | 222.8 | 0.420 | | | | | | |
| 10093+2020 | A2145 | 7.3 | 0.2 | 2008.251 | 44.0: | 0.235: | | | | +15.7 | +0.102 | Ole2004c |
| 10093+2020 | A2145 | 7.3 | 0.2 | 2008.284 | 238.6: | 0.141: | | | | | | |
| 10097+3145 | COU1416 | 9.5 | 0.7 | 2008.104 | — | — | | | S | | | |
| 10099+3646 | COU1570 | 10.0 | 0.6 | 2008.219 | 222.4 | 0.699 | | | | | | |
| 10099+3646 | COU1570 | 10.0 | 0.6 | 2008.243 | 217.1 | 0.737 | | | | | | |
| 10111+1531 | A2368 | 9.0 | 2.6 | 2008.284 | 166.2 | 0.762 | | | | | | |
| 10116+1321 | HU874 | 6.9 | 1.0 | 2008.281 | — | — | | | NR | | | |
| 10121+2118 | A2146 | 9.7 | 0.1 | 2008.098 | 161.5 | 0.223 | | | | −24.2 | +0.056 | Hei2001 |
| 10121+2118 | A2146 | 9.7 | 0.1 | 2008.098 | 162.1 | 0.237 | | | | −23.6 | +0.070 | Hei2001 |
| 10131+2725 | STT213 | 8.6 | 1.2 | 2008.281 | 123.2 | 1.096 | | | | +0.9 | +0.055 | Sca2008e |
| 10131+2725 | STT213 | 8.6 | 1.2 | 2008.290 | 122.7 | 1.106 | 1.6 | | ly (ni) | | | |
| 10131+2725 | STT213 | 8.6 | 1.2 | 2008.290 | 123.1 | 1.108 | | | | +0.8 | +0.067 | Sca2008e |
| 10140+2227 | COU169 | 10.7 | 0.2 | 2008.243 | 335.8 | 0.565 | | | | −6.0 | +0.018 | Cou1999b |
| 10163+1744 | STT215 | 7.2 | 0.2 | 2008.284 | 177.1 | 1.458 | 0.2 | | ly (ni) | | | |
| 10163+1744 | STT215 | 7.2 | 0.2 | 2008.284 | 177.8 | 1.472 | | | | −1.6 | −0.055 | Zae1984 |
| 10163+3309 | HU634 | 9.1 | 1.5 | 2008.219 | 168.8 | 1.974 | | | | | | |
| 10163+3309 | HU634 | 9.1 | 1.5 | 2008.219 | 169.0 | 1.866 | 1.9 | | ly (ni) | | | |
| 10180+1711 | A2369 | 8.5 | 1.1 | 2008.251 | 295.0 | 1.056 | | | | | | |
| 10192+2034 | STF1423 | 9.4 | 0.7 | 2008.251 | 330.6 | 0.702 | 2.2 | | ly (ni) | | | |
| 10192+2034 | STF1423 | 9.4 | 0.7 | 2008.251 | 331.1 | 0.725 | | | | | | |
| 10227+1521 | STT216 | 7.4 | 2.9 | 2008.251 | 234.6 | 2.184 | | | | −0.4 | +0.060 | Sca2009c |
| 10227+1521 | STT216 | 7.4 | 2.9 | 2008.284 | 234.7 | 2.180 | 2.9 | | ly (ni) | | | |
| 10227+1521 | STT216 | 7.4 | 2.9 | 2008.284 | 234.9 | 2.183 | | | | −0.1 | +0.059 | Sca2009c |
| 10249+3849 | COU1745 | 10.0 | 0.8 | 2008.219 | 83.2 | 1.695 | | | | | | |
| 10250+2437 | STF1429 | 9.1 | 0.3 | 2008.240 | 160.7 | 0.759 | | | | −0.6 | +0.044 | Zul1981 |
| 10255+3647 | HU877 | 9.1 | 1.3 | 2008.240 | 249.2 | 1.762 | | | | | | |
| 10261+1821 | COU291 | 9.5 | 2.1 | 2008.281 | 65.4 | 0.802 | | | | | | |
| 10269+1713 | STT217 | 7.8 | 0.7 | 2008.251 | 149.0 | 0.740 | | | | +1.1 | +0.015 | Hei1975b |
| 10269+1713 | STT217 | 7.8 | 0.7 | 2008.284 | 148.4 | 0.755 | | | | +0.5 | +0.030 | Hei1975b |
| 10269+1713 | STT217 | 7.8 | 0.7 | 2008.284 | 148.5 | 0.772 | 0.8 | | ly (ni) | | | |
| 10269+1931 | COU292 | 8.4 | 0.4 | 2008.281 | — | — | | | NR | | | |
| 10290+3452 | A2152AB | 9.6 | 0.5 | 2008.219 | 56.7 | 0.402 | | | | | | |
| 10292+1009 | STT220 | 7.5 | 1.1 | 2008.284 | 98.2 | 0.578 | | | | −14.7 | +0.108 | Sey2002 |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10292+1009 | STT220 | 7.5 | 1.1 | 2008.284 | 98.4 | 0.572 | 1.8 | | ly (ni) | | | |
| 10323+2427 | HDS1511 | 7.5 | 1.6 | 2008.240 | — | — | | | NR | | | |
| 10326+2943 | COU1126 | 11.0 | 0.7 | 2008.243 | 197.4 | 0.400 | | | | | | |
| 10359+3147 | A2154 | 9.8 | 0.3 | 2008.219 | 115.8 | 0.642 | | | | | | |
| 10376+3446 | COU1417 | 9.1 | 0.4 | 2008.219 | 203.7 | 0.364 | | | | | | |
| 10389+2712 | COU778 | 9.4 | 2.5 | 2008.240 | 122.2 | 0.697 | | | | | | |
| 10394+1536 | HEI154 | 10.4 | 0.6 | 2008.284 | 105.1 | 1.480 | | | | | | |
| 10394+1536 | HEI154 | 10.4 | 0.6 | 2008.284 | 106.7 | 1.488 | 2.8 | | ly (ni) | | | |
| 10408+2657 | COU779 | 10.5 | −0.0 | 2008.243 | 87.5 | 0.379 | | | | | | |
| 10417+1044 | STT227 | 8.3 | 0.5 | 2008.281 | 2.8 | 0.911 | | | | | | |
| 10420+2701 | COU780 | 9.5 | −0.0 | 2008.243 | — | — | | | NR | | | |
| 10421+3715 | COU1902 | 9.4 | 1.4 | 2008.240 | 29.9 | 0.686 | | | | | | |
| 10428+4711 | COU2096 | 10.0 | 0.7 | 2008.290 | — | — | | | NR | | | |
| 10430+3824 | COU1903 | 9.7 | −0.0 | 2008.243 | 74.0 | 0.260: | | | | | | |
| 10454+3831 | HO532Aa-B | 9.4 | 2.3 | 2008.240 | 61.0 | 0.658 | | | | +4.1 | +0.098 | Mnt2000a |
| 10471+2812 | COU590 | 10.6 | 0.5 | 2008.284 | 282.7 | 1.278 | 1.9 | | ly (ni) | | | |
| 10471+2812 | COU590 | 10.6 | 0.5 | 2008.284 | 283.9 | 1.313 | | | | | | |
| 10477+2733 | COU592 | 10.5 | 0.3 | 2008.284 | 28.5 | 0.435 | | | | | | |
| 10480+4107 | STT229 | 7.6 | 0.3 | 2008.290 | 264.1 | 0.691 | | | | +1.2 | +0.020 | Alz1998a |
| 10486+3532 | COU1418 | 10.2 | 0.3 | 2008.284 | 207.3 | 0.789 | | | | | | |
| 10510+1603 | A2372 | 8.5 | 1.6 | 2008.281 | 101.2: | 0.240: | | | | | | |
| 10520+1606 | A2373 | 8.8 | −0.0 | 2008.251 | 223.0 | 0.215: | | | | −3.2 | +0.024 | Bdl2007a |
| 10520+1606 | A2373 | 8.8 | −0.0 | 2008.281 | 40.1: | 0.137: | | | | | | |
| 10528+3023 | HDS1555 | 8.7 | 2.4 | 2008.219 | 131.3 | 0.236 | | | | | | |
| 10529+2209 | HU567 | 10.5 | 0.2 | 2008.284 | 196.8 | 0.477 | | | | | | |
| 10544+2044 | HU568 | 10.4 | 0.1 | 2008.284 | 352.7 | 0.675 | | | | | | |
| 10544+2044 | HU568 | 10.4 | 0.1 | 2008.284 | 353.0 | 0.668 | 1.5 | | ly (ni) | | | |
| 10544+3840 | COU1746 | 10.7 | 0.2 | 2008.243 | 322.9 | 0.403 | | | | | | |
| 10564+3652 | COU1420 | 9.5 | 0.5 | 2008.240 | — | — | | | NR | | | |
| 10564+3652 | COU1420 | 9.5 | 0.5 | 2008.243 | — | — | | | S | | | |
| 11003+1926 | A2376 | 10.4 | 0.5 | 2008.284 | 5.6: | 0.121: | | | | | | |
| 11008+2913 | COU960 | 9.2 | 0.0 | 2008.240 | 114.6 | 0.205 | | | | | | |
| 11018+2952 | COU961Aa-B | 7.2 | 2.2 | 2008.219 | 326.8 | 1.159 | | | | | | |
| 11018+3641 | COU1422 | 10.2 | 0.3 | 2008.243 | 37.5 | 0.601 | | | | | | |
| 11023+3049 | STF1501 | 9.9 | 0.3 | 2008.328 | 185.3 | 1.379 | | | | | | |
| 11050+3825 | HO378AB | 8.2 | 0.9 | 2008.219 | 236.5 | 1.058 | | | | | | |
| 11050+3825 | HO378AB | 8.2 | 0.9 | 2008.333 | 236.5 | 1.070 | | | | | | |
| 11055+3927 | COU1748 | 9.7 | 1.2 | 2008.240 | 92.4 | 0.225: | | | | | | |
| 11055+3927 | COU1748 | 9.7 | 1.2 | 2008.243 | — | — | | | S | | | |
| 11078+3946 | COU1749 | 10.8 | 0.2 | 2008.243 | 111.7 | 0.553 | | | | | | |
| 11092+2305 | COU294 | 9.4 | 2.4 | 2008.281 | 317.3 | 1.353 | | | | | | |
| 11098+1009 | A2775 | 8.6 | 1.3 | 2008.251 | 300.5 | 0.584 | | | | | | |
| 11098+1009 | A2775 | 8.6 | 1.3 | 2008.251 | 301.9 | 0.556 | 2.2 | | ly (ni) | | | |
| 11098+1009 | A2775 | 8.6 | 1.3 | 2008.284 | 299.5 | 0.596 | | | | | | |
| 11100+1443 | HEI60 | 9.1 | 0.8 | 2008.284 | 241.3 | 0.378 | 1.3 | | ly (ni) | | | |
| 11100+1443 | HEI60 | 9.1 | 0.8 | 2008.284 | 243.0 | 0.393 | | | | | | |
| 11104+1110 | HDS1591 | 8.1 | 2.8 | 2008.333 | 42.2 | 0.657 | | | | | | |
| 11104+1502 | HEI61 | 10.4 | 0.1 | 2008.284 | 87.2 | 0.282 | 2.6 | | ly (ni) | | | |
| 11104+1502 | HEI61 | 10.4 | 0.1 | 2008.284 | 88.6 | 0.295 | | | | | | |
| 11126+2839 | COU389 | 10.0 | 1.0 | 2008.281 | 168.1 | 0.912 | | | | | | |
| 11144+1531 | BU1283 | 9.8 | 0.6 | 2008.333 | 175.4 | 0.303 | | | | | | |
| 11151+3735 | STT232Aa-B | 8.0 | 0.9 | 2008.219 | 245.2 | 0.605 | | | | | | |
| 11155+4729 | HU639 | 8.4 | 0.0 | 2008.290 | 90.2 | 0.261 | | | | | | |
| 11158+4227 | COU1904 | 8.3 | 1.1 | 2008.290 | 207.3 | 0.432 | 1.4 | | ly (ni) | | | |
| 11158+4227 | COU1904 | 8.3 | 1.1 | 2008.290 | 208.7 | 0.400 | | | | | | |
| 11162+3136 | A2157 | 9.2 | 3.0 | 2008.243 | 1.1 | 1.363 | | | | $-60.2^{Q}$ | +0.283 | Pop1996b |
| 11174+4146 | A2158 | 9.1 | 0.2 | 2008.290 | 2.5 | 0.431 | | | | | | |
| 11174+4146 | A2158 | 9.1 | 0.2 | 2008.290 | 3.5 | 0.438 | 1.7 | | ly (ni) | | | |
| 11190+1416 | STF1527 | 7.0 | 1.0 | 2008.251 | 159.1 | 0.311 | | | | −0.9 | +0.018 | Pru2009 |
| 11190+1416 | STF1527 | 7.0 | 1.0 | 2008.328 | 162.7 | 0.315 | | | | +1.6 | +0.023 | Pru2009 |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11203+3603 | COU1259 | 10.4 | 0.4 | 2008.243 | 309.4 | 0.741 | | | | | | |
| 11221+3705 | COU1260BC | 9.2 | 0.4 | 2008.240 | 15.4 | 0.417 | | | | | | |
| 11243+1354 | HDS1622 | 8.5 | 2.8 | 2008.281 | 38.4 | 0.833 | | | | | | |
| 11271+3546 | HDS1626 | 9.1 | 2.3 | 2008.333 | 96.1 | 0.217 | | | | | | |
| 11287+3224 | COU781 | 10.8 | 0.3 | 2008.243 | 291.9 | 0.619 | | | | | | |
| 11294+4206 | COU1905 | 9.1 | −0.0 | 2008.290 | 188.4: | 0.474: | 3.1 | | ly (ni) | | | |
| 11297+3302 | COU782 | 10.4 | 0.1 | 2008.336 | 53.1 | 0.815 | | | | | | |
| 11321+1809 | HDS1635 | 8.3 | 1.2 | 2008.251 | 30.4 | 0.442 | | | | | | |
| 11321+1809 | HDS1635 | 8.3 | 1.2 | 2008.281 | — | — | | | S | | | |
| 11322+3615 | HU1134 | 7.2 | 0.6 | 2008.219 | 112.4: | 0.138: | | | | −4.5 | +0.091 | Hrt2000b |
| 11334+4637 | COU1751 | 9.6 | −0.0 | 2008.290 | — | — | | | S | | | |
| 11341+1453 | HDS1641 | 8.8 | 2.7 | 2008.333 | 264.2 | 0.499 | | | | | | |
| 11342+1101 | HDS1642 | 6.6 | 2.8 | 2008.251 | 243.3 | 1.040 | 2.7 | | ly (ni) | | | |
| 11342+1101 | HDS1642 | 6.6 | 2.8 | 2008.251 | 244.1 | 1.070 | | | | | | |
| 11361+1251 | STF1554 | 9.4 | 0.2 | 2008.251 | 204.9 | 0.269 | | | | | | |
| 11361+1251 | STF1554 | 9.4 | 0.2 | 2008.281 | 204.8 | 0.237 | | | | | | |
| 11365+2502 | HDS1645 | 7.2 | 2.0 | 2008.219 | 345.0 | 0.249 | | | | | | |
| 11365+2502 | HDS1645 | 7.2 | 2.0 | 2008.281 | — | — | | | S | | | |
| 11379+4949 | HU728 | 8.1 | 2.0 | 2008.290 | 117.1 | 0.324 | | | | | | |
| 11379+4949 | HU728 | 8.1 | 2.0 | 2008.290 | 120.0 | 0.332 | 1.5 | | ly (ni) | | | |
| 11379+4949 | HU728 | 8.1 | 2.0 | 2008.333 | 117.3 | 0.321 | | | | | | |
| 11425+2355 | COU390 | 9.3 | 2.4 | 2008.240 | — | — | | | NR | | | |
| 11425+2355 | COU390 | 9.3 | 2.4 | 2008.243 | — | — | | | NR | | | |
| 11426+1004 | HEI503 | 10.2 | 0.1 | 2008.284 | 348.0 | 0.544 | | | | | | |
| 11463+3131 | COU785 | 10.3 | −0.0 | 2008.243 | 284.6 | 0.532 | | | | | | |
| 11463+3131 | COU785 | 10.3 | −0.0 | 2008.339 | 282.6 | 0.513 | | | | | | |
| 11463+3303 | A2160 | 10.3 | 0.6 | 2008.284 | — | — | | | NR | | | |
| 11468+1500 | BU602 | 8.1 | 1.8 | 2008.309 | 124.2 | 0.546 | | | | | | |
| 11470+2701 | HDS1663 | 9.7 | 0.2 | 2008.281 | — | — | | | S | | | |
| 11486+3800 | COU1128 | 11.8 | 0.8 | 2008.339 | 57.4 | 1.516 | | | | | | |
| 11487+3937 | COU1263 | 10.8 | 0.2 | 2008.243 | 236.5 | 0.430 | | | | | | |
| 11499+3645 | HDS1669 | 10.0 | 0.0 | 2008.339 | — | — | | | S | | | |
| 11499+3754 | COU1129 | 10.6 | 0.2 | 2008.243 | 126.9 | 0.548 | | | | | | |
| 11503+3741 | HDS1670AB | 11.9 | 0.6 | 2008.339 | 22.5 | 1.242 | | | | | | |
| 11504+3544 | COU964 | 11.0 | 1.3 | 2008.339 | — | — | | | S | | | |
| 11511+2245 | HDS1671 | 9.2 | 2.5 | 2008.333 | 66.8 | 0.633 | | | | | | |
| 11517+2344 | COU391 | 11.1 | 1.1 | 2008.339 | 309.1 | 0.303 | | | | | | |
| 11537+2626 | HDS1677 | 10.5 | 2.0 | 2008.284 | — | — | | | NR | | | |
| 11537+2626 | HDS1677 | 10.5 | 2.0 | 2008.336 | 90.8: | 0.940: | | | | | | |
| 11544+1515 | WOR20 | 11.2 | 0.2 | 2008.339 | 292.3 | 1.233 | | | | | | |
| 11552+1423 | HU1257 | 9.7 | 0.2 | 2008.284 | 51.8 | 0.349 | | | | | | |
| 11552+1643 | COU51 | 10.4 | −0.0 | 2008.339 | 163.4 | 1.258 | | | | | | |
| 11572+3312 | COU939 | 9.8 | −0.0 | 2008.240 | 22.1 | 0.309 | | | | | | |
| 11576+1742 | COU296 | 9.5 | 4.7 | 2008.309 | 233.4 | 1.583 | | | | | | |
| 11579+2458 | A680 | 10.4 | 0.0 | 2008.243 | 318.7 | 0.483 | | | | | | |
| 12010+4347 | A1779 | 9.8 | 1.6 | 2008.333 | 22.0 | 0.535 | | | | | | |
| 12017+4728 | COU1752 | 9.6 | 1.1 | 2008.290 | — | — | | | S | | | |
| 12022+2108 | A2163 | 10.4 | 0.1 | 2008.284 | 348.8 | 0.698 | | | | | | |
| 12024+1916 | A2165 | 9.3 | 0.8 | 2008.284 | 37.5: | 0.323: | | | | | | |
| 12024+1916 | A2165 | 9.3 | 0.8 | 2008.309 | — | — | | | S | | | |
| 12026+4117 | HDS1692 | 9.0 | 1.3 | 2008.333 | — | — | | | S | | | |
| 12028+2450 | HDS1693 | 8.5 | 2.7 | 2008.336 | — | — | | | S | | | |
| 12042+2407 | A682 | 8.8 | 1.9 | 2008.243 | — | — | | | S | | | |
| 12046+2232 | COU92 | 10.3 | 0.2 | 2008.284 | 107.3 | 1.090 | | | | | | |
| 12046+2232 | COU92 | 10.3 | 0.2 | 2008.284 | 108.0 | 1.050 | 3.7 | | ly (ni) | | | |
| 12058+2310 | COU93 | 11.3 | 0.4 | 2008.339 | 155.7 | 0.899 | | | | | | |
| 12059+2628 | HDS1707 | 9.3 | 3.9 | 2008.339 | — | — | | | S | | | |
| 12062+2924 | COU593 | 10.0 | 0.2 | 2008.240 | 120.0 | 0.228 | | | | | | |
| 12064+1812 | HDS1708 | 9.0 | 2.9 | 2008.336 | — | — | | | S | | | |
| 12064+1812 | HDS1708 | 9.0 | 2.9 | 2008.339 | — | — | | | S | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12089+2147 | HDS1714Aa | 9.7 | 2.2 | 2008.243 | — | — | | | NR | | | |
| 12102+1858 | A2057 | 9.8 | 5.6 | 2008.284 | — | — | | | NR | | | |
| 12103+1235 | TDS8252 | 10.9 | 1.2 | 2008.336 | — | — | | | S | | | |
| 12108+3953 | STF1606 | 7.4 | 0.5 | 2008.309 | 158.7 | 0.462 | | | | +1.8 | +0.013 | Msn1999a |
| 12111+1228 | HDS1719 | 9.4 | 0.1 | 2008.309 | 90.4 | 0.564 | | | | | | |
| 12111+2257 | COU94 | 9.8 | 2.4 | 2008.336 | 338.0 | 1.251 | | | | | | |
| 12120+1300 | A1780 | 8.7 | 2.0 | 2008.309 | 315.3 | 1.284 | | | | | | |
| 12126+3546 | STF1613 | 9.3 | 0.1 | 2008.240 | 7.4 | 1.192 | | | | | | |
| 12138+2143 | HU569 | 10.1 | 1.1 | 2008.336 | 159.6 | 1.263 | | | | | | |
| 12138+4643 | A1849 | 9.8 | 0.1 | 2008.290 | — | — | | | S | | | |
| 12138+4643 | A1849 | 9.8 | 0.1 | 2008.333 | — | — | | | S | | | |
| 12143+1149 | HU1137 | 9.4 | 3.0 | 2008.336 | 15.3 | 1.785 | | | | | | |
| 12154+4008 | A1999 | 9.1 | 2.2 | 2008.333 | 53.8 | 0.344 | | | | +15.5 | −0.206 | Sey2002 |
| 12160+4807 | HU736 | 9.6 | 0.4 | 2008.290 | 186.7 | 0.324 | 1.8 | | ly (ni) | | | |
| 12160+4807 | HU736 | 9.6 | 0.4 | 2008.290 | 189.5 | 0.331 | | | | −0.8 | +0.020 | Bdl2006a |
| 12160+4807 | HU736 | 9.6 | 0.4 | 2008.333 | 189.3 | 0.308 | | | | −1.0 | −0.003 | Bdl2006a |
| 12171+2241 | COU179 | 11.4 | 0.2 | 2008.339 | 6.7 | 0.625 | | | | | | |
| 12179+1147 | HU1138 | 10.8 | 0.4 | 2008.336 | 1.3 | 1.304 | | | | | | |
| 12194+1744 | A2059 | 8.3 | 1.9 | 2008.309 | 32.2 | 0.502 | | | | | | |
| 12200+4337 | HDS1736 | 7.9 | 3.1 | 2008.333 | 25.3: | 0.240: | | | | | | |
| 12232+3257 | HDS1744 | 9.9 | 1.1 | 2008.240 | 266.8 | 0.196 | | | | | | |
| 12264+3719 | COU1424 | 11.5 | 0.2 | 2008.339 | 5.9 | 0.594 | | | | | | |
| 12288+3155 | COU965 | 10.0 | 4.2 | 2008.284 | 248.9 | 0.988 | | | | | | |
| 12291+3123 | STT251 | 8.4 | 0.9 | 2008.240 | 57.0 | 0.713 | | | | −2.9 | +0.054 | Sca2003c |
| 12291+3123 | STT251 | 8.4 | 0.9 | 2008.336 | 58.0 | 0.719 | | | | −1.9 | +0.060 | Sca2003c |
| 12291+3123 | STT251 | 8.4 | 0.9 | 2008.339 | 57.7 | 0.725 | | | | −2.2 | +0.066 | Sca2003c |
| 12306+3431 | HDS1759 | 9.2 | 1.7 | 2008.339 | 207.5: | 0.225: | | | | | | |
| 12316+3201 | COU966 | 10.2 | 0.8 | 2008.284 | 31.3 | 0.242 | | | | +12.0 | +0.095 | Mnt1999c |
| 12316+3201 | COU966 | 10.2 | 0.8 | 2008.336 | 28.3 | 0.264 | | | | +9.2 | +0.117 | Mnt1999c |
| 12322+1648 | A2060 | 11.7 | 0.4 | 2008.339 | 224.9 | 0.652 | | | | | | |
| 12323+2000 | HU571 | 9.6 | −0.0 | 2008.240 | 139.7: | 0.146: | | | | | | |
| 12328+2301 | AG179 | 9.9 | 0.7 | 2008.309 | 141.6 | 1.035 | | | | | | |
| 12358+1009 | HEI512 | 11.3 | −0.0 | 2008.339 | — | — | | | S | | | |
| 12372+2112 | STF1663 | 8.0 | 1.1 | 2008.309 | 69.1 | 0.648 | | | | | | |
| 12380+1436 | HEI62 | 10.7 | 1.0 | 2008.339 | 255.8 | 1.627 | | | | | | |
| 12389+1348 | HDS1772 | 9.4 | 0.3 | 2008.309 | — | — | | | S | | | |
| 12409+2708 | COU596 | 8.5 | 0.2 | 2008.240 | 211.0 | 0.217 | | | | +8.5 | +0.037 | Doc2003e |
| 12418+2943 | COU967 | 10.3 | 2.4 | 2008.284 | 4.3 | 1.045 | | | | | | |
| 12422+1431 | HU892 | 10.6 | 0.3 | 2008.336 | 181.4 | 0.635 | | | | | | |
| 12422+2622 | A1851 | 10.1 | 0.0 | 2008.284 | 342.8 | 0.406 | 1.7 | | ly (ni) | | | |
| 12422+2622 | A1851 | 10.1 | 0.0 | 2008.284 | 344.9 | 0.412 | | | | −0.1 | +0.018 | Hei1998 |
| 12444+2200 | HDS1783 | 7.8 | 3.2 | 2008.284 | — | — | | | NR | | | |
| 12444+2713 | COU597 | 10.4 | 1.6 | 2008.243 | 102.6 | 0.276 | | | | | | |
| 12452+3106 | COU968 | 10.4 | 0.7 | 2008.336 | 279.7 | 1.655 | | | | | | |
| 12460+2340 | COU394 | 10.7 | 1.3 | 2008.336 | 106.9 | 0.768 | | | | | | |
| 12480+1217 | HU893 | 10.6 | 0.3 | 2008.339 | 32.6 | 1.548 | | | | | | |
| 12501+2408 | A563 | 10.6 | 0.0 | 2008.243 | 186.8 | 0.431 | | | | | | |
| 12507+2032 | HU640 | 10.2 | 0.3 | 2008.243 | 221.4 | 0.426 | | | | −10.1 | +0.051 | Baz1984a |
| 12507+2032 | HU640 | 10.2 | 0.3 | 2008.284 | 220.4 | 0.429 | | | | −11.3 | +0.054 | Baz1984a |
| 12510+3129 | HDS1804 | 8.0 | 3.4 | 2008.240 | 257.6 | 0.741 | | | | | | |
| 12510+3129 | HDS1804 | 8.0 | 3.4 | 2008.240 | 258.0 | 0.754 | | | | | | |
| 12524+5017 | COU2188 | 9.1 | 1.3 | 2008.333 | 39.5 | 0.282 | | | | | | |
| 12526+2342 | COU396 | 10.8 | 0.2 | 2008.284 | 313.5 | 0.905 | | | | | | |
| 12533+1310 | HU894 | 9.8 | 0.1 | 2008.309 | 144.1 | 1.212 | | | | | | |
| 12533+4246 | COU1579 | 9.4 | 0.3 | 2008.290 | 126.1 | 0.148: | | | | | | |
| 12533+4246 | COU1579 | 9.4 | 0.3 | 2008.290 | 138.0 | 0.194: | 3.1 | | ly (ni) | | | |
| 12533+4246 | COU1579 | 9.4 | 0.3 | 2008.333 | 123.3: | 0.177: | | | | | | |
| 12540+1623 | HEI162 | 11.1 | 0.8 | 2008.339 | 134.4 | 0.959 | | | | | | |
| 12576+3248 | COU969 | 10.1 | 2.5 | 2008.284 | 67.2 | 0.770 | 2.7 | | ly (ni) | | | |
| 12576+3248 | COU969 | 10.1 | 2.5 | 2008.284 | 67.8 | 0.760 | | | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12582+2431 | COU398 | 11.1 | 0.1 | 2008.339 | 48.5 | 0.827 | | | | | | |
| 12587+2626 | COU479 | 10.3 | 1.0 | 2008.243 | 154.7 | 0.883 | | | | | | |
| 12587+2728 | STF1699 | 8.7 | 0.0 | 2008.328 | 8.5 | 1.710 | | | | | | |
| 12591+4709 | HDS1821 | 8.2 | 3.2 | 2008.333 | 151.2 | 0.932 | | | | | | |
| 12592+1454 | HDS1822 | 9.5 | 1.4 | 2008.309 | 68.7 | 0.397 | | | | | | |
| 12595+3004 | A1852 | 9.6 | 1.4 | 2008.309 | 310.7 | 0.991 | | | | | | |
| 13004+3545 | HU1141 | 10.1 | 0.5 | 2008.240 | 342.7 | 0.528 | | | | | | |
| 13013+1748 | COU297 | 10.6 | 0.4 | 2008.336 | 176.3 | 0.172 | | | | | | |
| 13025+2858 | A1853 | 11.3 | 3.0 | 2008.339 | 303.9 | 1.366 | | | | | | |
| 13026+2318 | COU95 | 8.7 | 1.6 | 2008.309 | 286.9 | 0.692 | | | | | | |
| 13029+1328 | STF1711 | 9.3 | 0.1 | 2008.309 | 335.4 | 0.335 | | | | | | |
| 13032+2836 | COU399 | 11.0 | 0.2 | 2008.339 | 304.1 | 0.595 | | | | | | |
| 13033+3435 | COU970 | 10.1 | −0.0 | 2008.240 | — | — | | | NR | | | |
| 13049+2438 | COU298 | 11.2 | 0.5 | 2008.339 | 5.0 | 0.323 | | | | | | |
| 13062+1621 | HEI370 | 11.0 | 0.2 | 2008.336 | 287.1 | 0.925 | | | | | | |
| 13064+2109 | COU11Aa-B | 6.1 | 2.7 | 2008.309 | 316.1 | 1.725 | | | | | | |
| 13069+2502 | HDS1835 | 9.5 | 3.2 | 2008.243 | 203.4 | 0.561 | | | | | | |
| 13091+2127 | HU572 | 8.7 | 1.4 | 2008.243 | 346.9 | 0.430 | | | | | | |
| 13093+4649 | COU2105 | 9.4 | −0.0 | 2008.333 | — | — | | | S | | | |
| 13097+4418 | COU1909 | 9.8 | 0.3 | 2008.333 | 251.4 | 0.655 | | | | | | |
| 13105+1103 | HDS1842 | 10.8 | 0.1 | 2008.336 | 145.0 | 0.614 | | | | | | |
| 13119+2312 | HDS1847 | 10.5 | 0.2 | 2008.243 | — | — | | | NR | | | |
| 13120+4703 | COU2106 | 9.7 | −0.0 | 2008.333 | 91.2 | 0.262 | | | | | | |
| 13121+2415 | HDS1848 | 6.6 | 2.8 | 2008.309 | — | — | | | S | | | |
| 13137+2949 | HO55AB | 7.3 | 4.2 | 2008.328 | — | — | | | NR | | | |
| 13141+3156 | A1854 | 10.4 | 0.2 | 2008.240 | 337.7 | 0.225 | | | | | | |
| 13166+1948 | HDS1862Aa | 6.6 | 3.1 | 2008.309 | 271.6 | 0.468 | | | | | | |
| 13198+4747 | HU644Aa-B | 9.1 | 0.8 | 2008.333 | 92.3 | 1.452 | | | S | | | |
| 13202+1534 | HDS1870Aa | 7.5 | 2.1 | 2008.309 | 268.1 | 0.407 | | | | | | |
| 13203+1746 | A2166 | 7.8 | 0.6 | 2008.281 | — | — | | | S | | | |
| 13216+1717 | COU56 | 10.2 | 0.6 | 2008.336 | — | — | | | S | | | |
| 13232+4822 | COU1912 | 10.2 | 0.6 | 2008.333 | 153.3 | 0.435 | | | | | | |
| 13235+2914 | HO260 | 9.6 | 0.3 | 2008.328 | 85.7 | 1.574 | | | | | | |
| 13254+3548 | HU1260 | 10.7 | 0.5 | 2008.240 | 185.6 | 0.722 | | | | | | |
| 13258+4430 | A1609AB | 9.5 | 0.7 | 2008.333 | 30.8 | 0.468 | | | | +0.9 | 0.000 | Hei1991 |
| 13266+3235 | COU787 | 10.6 | 0.2 | 2008.243 | 146.4 | 0.360 | | | | | | |
| 13284+3643 | COU1428 | 10.8 | −0.0 | 2008.240 | — | — | | | NR | | | |
| 13284+3643 | COU1428 | 10.8 | −0.0 | 2008.243 | — | — | | | S | | | |
| 13284+3643 | COU1428 | 10.8 | −0.0 | 2008.336 | — | — | | | NR | | | |
| 13284+3643 | COU1428 | 10.8 | −0.0 | 2008.339 | — | — | | | NR 1Q | | | |
| 13316+1443 | A1790 | 9.4 | 3.0 | 2008.281 | 178.3 | 0.310 | | | | | | |
| 13320+3045 | COU599 | 10.7 | 1.1 | 2008.336 | 40.6 | 1.069 | | | | | | |
| 13329+3454 | STT269AB | 7.3 | 0.8 | 2008.281 | 221.5 | 0.309 | | | | 0.0 | +0.012 | Hei1997 |
| 13329+3454 | STT269AB | 7.3 | 0.8 | 2008.309 | 221.1 | 0.293 | | | | −0.4 | −0.004 | Hai1997 |
| 13331+4316 | COU1754 | 10.2 | 0.0 | 2008.333 | — | — | | | NR | | | |
| 13336+2944 | A1095 | 9.0 | 0.3 | 2008.309 | 276.5 | 0.347 | | | | −2.9 | −0.021 | Ole2002a |
| 13342+1516 | KU45 | 10.6 | 0.0 | 2008.336 | 289.9 | 0.492 | | | | | | |
| 13343+3044 | COU600 | 10.8 | 0.0 | 2008.336 | 59.6 | 0.538 | | | | | | |
| 13379+4808 | ES608AB | 10.3 | 1.2 | 2008.333 | 326.7 | 1.794 | | | | +1.6 | −0.003 | Sey2002 |
| 13387+4126 | COU1584 | 11.0 | 0.2 | 2008.333 | 111.4 | 0.601 | | | | | | |
| 13396+1045 | BU612AB | 6.3 | 0.1 | 2008.281 | 213.5 | 0.322 | | | | −0.3 | +0.015 | Msn1999a |
| 13398+3625 | COU1264 | 10.5 | 0.9 | 2008.339 | — | — | | | S | | | |
| 13400+3759 | HU897AB | 10.5 | 0.1 | 2008.339 | 49.0 | 0.371 | | | | | | |
| 13425+4002 | COU1430 | 11.0 | 0.2 | 2008.333 | 253.4 | 0.478 | | | | | | |
| 13465+1545 | A2063 | 9.6 | 0.3 | 2008.281 | 142.5 | 0.225 | | | | | | |
| 13482+2248 | COU401 | 9.5 | −0.0 | 2008.281 | 181.1: | 0.492: | | | | | | |
| 13482+2248 | COU401 | 9.5 | −0.0 | 2008.309 | — | — | | | S | | | |
| 13488+2753 | HDS1942 | 7.4 | 3.5 | 2008.328 | 104.1 | 0.679 | | | | | | |
| 13514+3441 | BU613AB | 10.9 | −0.0 | 2008.336 | 148.2 | 0.827 | | | | | | |
| 13518+3649 | COU1133 | 10.2 | −0.0 | 2008.336 | 160.4 | 0.229 | | | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13519+1008 | B2543 | 7.0 | 1.4 | 2008.281 | — | — | | | S | | | |
| 13527+2116 | COU183 | 10.1 | 3.7 | 2008.336 | 129.9 | 1.338 | | | | | | |
| 13535+3618 | COU1134 | 10.6 | 0.8 | 2008.339 | 251.4 | 1.560 | | | | | | |
| 13539+1008 | BU614AB | 8.1 | 1.9 | 2008.328 | 108.5 | 0.480 | | | | +6.9 | +0.249 | Zir2002a |
| 13554+5002 | COU2689 | 9.4 | 2.5 | 2008.333 | 326.1 | 0.659 | | | | | | |
| 13593+3042 | COU602 | 10.6 | −0.0 | 2008.336 | 124.4 | 0.394 | | | | | | |
| 14017+3759 | COU1433 | 10.3 | −0.0 | 2008.336 | 120.1 | 0.584 | | | | | | |
| 14028+1417 | HEI65 | 9.8 | 0.1 | 2008.309 | 98.8 | 0.315 | | | | | | |
| 14029+2434 | COU301 | 8.2 | 3.8 | 2008.336 | 127.6 | 0.887 | | | | | | |
| 14034+1740 | A2064 | 9.6 | 1.4 | 2008.309 | 176.1 | 1.081 | | | | | | |
| 14040+4314 | A1615 | 10.9 | 0.0 | 2008.333 | 4.2 | 0.554 | | | | | | |
| 14083+1644 | A2065 | 9.5 | 1.6 | 2008.328 | 341.2 | 1.651 | | | | | | |
| 14087+3341 | HU742 | 8.8 | 3.5 | 2008.309 | 358.4 | 0.270 | | | | −70.9 | −0.029 | Pop1972 |
| 14105+4823 | COU2108 | 10.0 | 1.5 | 2008.423 | — | — | | BG39 | S | | | |
| 14113+3013 | COU605 | 10.5 | 0.2 | 2008.336 | 162.1 | 0.258 | | | | | | |
| 14124+2843 | STT277AB | 8.7 | 0.1 | 2008.281 | — | — | | | 1Q <0.16 | | | |
| 14124+2843 | STT277AB | 8.7 | 0.1 | 2008.309 | — | — | | | S | | | |
| 14128+1104 | A1099 | 9.0 | 0.2 | 2008.328 | — | — | | | S | | | |
| 14135+1234 | BU224 | 8.9 | 0.4 | 2008.309 | 104.1 | 0.530 | | | | +0.4 | −0.031 | Lin1985c |
| 14138+3059 | COU606 | 10.7 | 0.6 | 2008.336 | — | — | | | S | | | |
| 14139+2906 | STF1816 | 7.4 | 0.3 | 2008.328 | 94.5 | 0.490 | | | | | | |
| 14140+3720 | COU1434 | 10.9 | −0.0 | 2008.336 | 108.4: | 0.540: | | | | | | |
| 14141+1056 | HEI530 | 9.7 | 0.5 | 2008.309 | 353.3 | 0.549 | | | | | | |
| 14158+1018 | A1101AB | 9.7 | 0.6 | 2008.309 | 232.1: | 0.235: | | | | −19.3 | +0.035 | Baz1984a |
| 14158+1018 | STF1823AB-c | 9.7 | 0.6 | 2008.309 | 148.0 | 3.884 | 2.9 | | 2Q-ly b | | | |
| 14165+3334 | HU1266 | 10.3 | 0.2 | 2008.336 | 136.8 | 0.275 | | | | −24.4 | +0.114 | Cou1958d |
| 14171+4529 | A1617 | 9.6 | 0.6 | 2008.333 | 275.8 | 0.456 | | | | | | |
| 14171+5100 | A147 | 8.8 | 1.3 | 2008.423 | 106.3 | 0.641 | | BG39 | | | | |
| 14175+1722 | A2067 | 9.2 | 0.1 | 2008.309 | — | — | | | S | | | |
| 14175+1722 | A2067 | 9.2 | 0.1 | 2008.391 | — | — | | | 2-4Q | | | |
| 14208+4617 | COU2194 | 10.2 | −0.0 | 2008.333 | — | — | | | S | | | |
| 14220+5107 | A148 | 9.0 | 0.6 | 2008.423 | 188.4 | 0.562 | | BG39 | | | | |
| 14234+4736 | A149AB | 9.5 | 0.4 | 2008.423 | 124.8 | 0.787 | | BG39 | | | | |
| 14241+4331 | COU1916 | 10.6 | 0.2 | 2008.333 | 268.8 | 0.752 | | | | | | |
| 14260+4213 | COU1757 | 9.6 | 0.4 | 2008.333 | — | — | | | S | | | |
| 14273+3038 | A1105 | 10.5 | 0.4 | 2008.440 | 177.4 | 1.131 | | BG39 | | | | |
| 14273+3038 | A1105 | 10.5 | 0.4 | 2008.440 | 177.6 | 1.122 | | BG39 | | | | |
| 14276+2037 | HO542 | 10.3 | 0.0 | 2008.440 | 214.9 | 1.007 | | BG39 | | | | |
| 14276+2037 | HO542 | 10.3 | 0.0 | 2008.440 | 215.2 | 1.006 | | BG39 | | | | |
| 14286+1818 | COU2508 | 10.2 | −0.0 | 2008.336 | 74.5 | 0.456 | | | | | | |
| 14295+3612 | HU1268 | 9.8 | 0.1 | 2008.391 | 345.4 | 0.295 | | | | +3.2 | +0.017 | Hrt2008 |
| 14301+4737 | COU2387 | 10.5 | 0.1 | 2008.423 | 340.6 | 0.386 | 1.3 | BG39 | ly (ni) | | | |
| 14301+4737 | COU2387 | 10.5 | 0.1 | 2008.423 | 341.2 | 0.370 | | BG39 | | | | |
| 14303+4709 | COU1917 | 9.8 | −0.0 | 2008.423 | 218.1 | 0.420 | 0.8 | BG39 | ly (ni) | | | |
| 14303+4709 | COU1917 | 9.8 | −0.0 | 2008.423 | 219.1 | 0.433 | | BG39 | | | | |
| 14305+2055 | COU97 | 9.1 | 0.7 | 2008.391 | 246.3 | 0.320 | 1.6 | | ly (ni) | | | |
| 14305+2055 | COU97 | 9.1 | 0.7 | 2008.391 | 250.7: | 0.309 | 1.6 | | 3Q-ly | | | |
| 14305+2055 | COU97 | 9.1 | 0.7 | 2008.421 | 244.2: | 0.324 | | BG39 | | | | |
| 14323+2641 | A570 | 6.6 | 0.5 | 2008.443 | 43.5 | 0.197: | | BG39 | | −3.2 | +0.009 | Hei1991 |
| 14323+2641 | A570 | 6.6 | 0.5 | 2008.443 | 49.0 | 0.170 | 0.3 | BG39 | ly (ni) | | | |
| 14323+2641 | A570 | 6.6 | 0.5 | 2008.443 | 49.9 | 0.167 | | BG39 | b | | | |
| 14333+2725 | A688 | 10.0 | 0.3 | 2008.328 | 15.4 | 0.757 | | | | | | |
| 14339+2949 | AGC6 | 9.8 | 0.5 | 2008.328 | 133.3 | 0.763 | | | | | | |
| 14340+4113 | COU1437 | 9.4 | −0.0 | 2008.423 | — | — | | BG39 | S | | | |
| 14354+1915 | HU574 | 9.0 | 0.3 | 2008.328 | — | — | | | S | | | |
| 14354+1915 | HU574 | 9.0 | 0.3 | 2008.391 | — | — | | | S | | | |
| 14354+1915 | HU574 | 9.0 | 0.3 | 2008.421 | 127.2: | 0.100: | | BG39 | ly (ni) | | | |
| 14359+1200 | HU1269 | 9.9 | 0.5 | 2008.391 | 26.7 | 0.387 | | | | | | |
| 14367+2014 | COU98 | 10.8 | 0.1 | 2008.391 | 180.7 | 0.243 | | | | | | |
| 14369+4813 | A347 | 8.7 | 0.3 | 2008.423 | 244.6 | 0.559 | | BG39 | | −1.2 | −0.017 | Doc2004a |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14376+2809 | COU405 | 10.3 | 1.0 | 2008.391 | — | — | | | S | | | |
| 14411+3205 | COU790 | 9.5 | 1.5 | 2008.440 | 309.2 | 1.334 | 2.5 | BG39 | ly (ni) | | | |
| 14411+3205 | COU790 | 9.5 | 1.5 | 2008.440 | 309.6 | 1.408 | | BG39 | | | | |
| 14411+3205 | COU790 | 9.5 | 1.5 | 2008.440 | 310.5 | 1.387 | | BG39 | | | | |
| 14416+2747 | COU407 | 10.0 | 0.3 | 2008.328 | 116.3 | 0.413 | | | | | | |
| 14419+1847 | COU185 | 9.9 | 2.6 | 2008.443 | 303.5 | 0.886 | | BG39 | | | | |
| 14419+2107 | HDS2071 | 6.7 | 2.2 | 2008.443 | — | — | | BG39 | S | | | |
| 14426+1929 | HU575AB | 9.8 | 0.3 | 2008.328 | 164.2 | 0.640 | | | | +0.4 | −0.002 | Sod1999 |
| 14426+1929 | HU575AB | 9.8 | 0.3 | 2008.421 | 162.4 | 0.678 | 0.7 | BG39 | ly (ni) | −1.1 | +0.038 | Sod1999 |
| 14426+1929 | HU575AB | 9.8 | 0.3 | 2008.421 | 164.2 | 0.646 | | BG39 | | +0.7 | +0.006 | Sod1999 |
| 14426+3842 | COU1268 | 10.6 | −0.0 | 2008.440 | — | — | | BG39 | S | | | |
| 14432+2246 | COU99 | 9.9 | 0.5 | 2008.328 | 208.3 | 0.683 | | | | | | |
| 14441+3138 | COU607 | 10.2 | 0.7 | 2008.421 | 315.1 | 0.742 | 1.8 | BG39 | ly (ni) | | | |
| 14441+3138 | COU607 | 10.2 | 0.7 | 2008.421 | 315.9 | 0.739 | | BG39 | | | | |
| 14452+2157 | HU905 | 9.8 | 1.8 | 2008.336 | 290.5: | 0.171: | | | | | | |
| 14456+1229 | HDS2078 | 10.5 | −0.0 | 2008.443 | 39.5 | 0.536 | | BG39 | | | | |
| 14456+1229 | HDS2078 | 10.5 | −0.0 | 2008.443 | 42.5 | 0.590 | 2.2 | BG39 | ly (ni) | | | |
| 14459+2344 | COU100 | 8.8 | 0.4 | 2008.328 | — | — | | | S | | | |
| 14459+2344 | COU100 | 8.8 | 0.4 | 2008.336 | 182.8: | 0.120: | | | | −20.9 | +0.014 | Doc2009d |
| 14463+3146 | HDS2080 | 9.4 | 0.6 | 2008.440 | — | — | | BG39 | S | | | |
| 14477+2406 | HO263 | 7.6 | 3.0 | 2008.440 | — | — | | BG39 | S | | | |
| 14485+2445 | COU304 | 9.3 | 2.2 | 2008.336 | 302.5 | 0.470 | | | | | | |
| 14492+1013 | A2983 | 9.4 | 0.1 | 2008.443 | — | — | | BG39 | S | | | |
| 14492+4814 | HU647 | 10.0 | 0.3 | 2008.423 | 68.9: | 0.254: | 1.7 | BG39 | ly (ni) | | | |
| 14499+3200 | COU608 | 9.2 | 2.6 | 2008.440 | 201.3 | 1.742 | | BG39 | | | | |
| 14515+4456 | STT287 | 8.4 | 0.2 | 2008.423 | 357.2 | 0.740 | 0.4 | BG39 | ly (ni) | | | |
| 14515+4456 | STT287 | 8.4 | 0.2 | 2008.423 | 357.5 | 0.746 | | BG39 | | +0.5 | −0.051 | Hei1997 |
| 14524+1757 | A2071 | 9.3 | 0.6 | 2008.421 | 270.2 | 1.346 | 0.8 | BG39 | ly (ni) | | | |
| 14548+2411 | COU409Aa | 10.7 | 0.1 | 2008.336 | 213.9 | 0.508 | | | | | | |
| 14548+2411 | COU409Aa | 10.7 | 0.1 | 2008.421 | 213.2 | 0.490 | | BG39 | | | | |
| 14588+3551 | COU1136 | 9.3 | −0.0 | 2008.328 | — | — | | | S | | | |
| 14589+2238 | HU906 | 9.6 | 3.5 | 2008.336 | 15.2 | 0.812 | | | | | | |
| 14590+1732 | A2072 | 10.3 | 0.1 | 2008.421 | 236.6 | 0.685 | | BG39 | | | | |
| 14593+4649 | COU1760 | 9.6 | 0.9 | 2008.423 | 245.7 | 0.240 | 1.5 | BG39 | ly (ni) | −2.0 | +0.036 | Sey2001 |
| 14595+1753 | COU188 | 9.6 | 0.2 | 2008.421 | 221.3 | 0.354 | | BG39 | | | | |
| 15002+2129 | HU907 | 10.2 | 0.0 | 2008.391 | — | — | | | NR 2-4Q | | | |
| 15045+1950 | HU745 | 7.9 | 1.6 | 2008.328 | 22.3 | 0.591 | | | | | | |
| 15045+1950 | HU745 | 7.9 | 1.6 | 2008.391 | 21.3 | 0.598 | | | | | | |
| 15056+1138 | STF1907 | 9.1 | −0.0 | 2008.443 | 350.8 | 0.905 | | BG39 | | | | |
| 15056+1138 | STF1907 | 9.1 | −0.0 | 2008.443 | 351.1 | 0.914 | | BG39 | | | | |
| 15077+1649 | HEI379 | 10.2 | 0.1 | 2008.391 | — | — | | | S: | | | |
| 15077+1649 | HEI379 | 10.2 | 0.1 | 2008.443 | — | — | | BG39 | S | | | |
| 15078+3956 | COU1271 | 9.0 | 1.0 | 2008.391 | 185.1 | 0.397 | | | | −20.6 | +0.017 | Cou1999b |
| 15078+3956 | COU1271 | 9.0 | 1.0 | 2008.391 | 190.0 | 0.418 | 1.8 | | ly (ni) | | | |
| 15078+3956 | COU1271 | 9.0 | 1.0 | 2008.423 | 185.4 | 0.386 | 1.7 | BG39 | ly (ni) | | | |
| 15078+3956 | COU1271 | 9.0 | 1.0 | 2008.423 | 186.6 | 0.394 | | BG39 | | −19.2 | +0.014 | Cou1999b |
| 15085+5002 | COU2195 | 10.0 | 0.3 | 2008.423 | — | — | | BG39 | S | | | |
| 15088+4014 | COU1272 | 9.6 | −0.0 | 2008.423 | 43.5 | 0.265 | | BG39 | | | | |
| 15088+4014 | COU1272 | 9.6 | −0.0 | 2008.423 | 54.2 | 0.252 | 1.0 | BG39 | ly (ni) | | | |
| 15100+2751 | COU410 | 10.5 | 0.3 | 2008.391 | 150.5 | 0.292 | | | | | | |
| 15106+2021 | HU144 | 9.4 | 1.0 | 2008.421 | — | — | | BG39 | S | | | |
| 15106+2021 | HU144 | 9.4 | 1.0 | 2008.443 | 31.2 | 0.444 | | BG39 | | | | |
| 15106+2021 | HU144 | 9.4 | 1.0 | 2008.443 | 34.9 | 0.436 | 3.6 | BG39 | ly (ni) | | | |
| 15111+3229 | COU792 | 10.4 | 0.1 | 2008.391 | 88.1 | 0.573 | | | | | | |
| 15116+1007 | A1116 | 8.8 | 0.2 | 2008.470 | 311.0 | 0.815 | | BG39 | 4Q | | | |
| 15121+1859 | COU189 | 6.2 | 2.8 | 2008.470 | 141.2 | 0.477 | | BG39 | 2Q | | | |
| 15126+2041 | COU190 | 10.7 | 0.3 | 2008.440 | 271.5 | 1.363 | | BG39 | | | | |
| 15126+2041 | COU190 | 10.7 | 0.3 | 2008.440 | 272.4 | 1.375 | | BG39 | | | | |
| 15143+1959 | COU27AB | 10.5 | 0.5 | 2008.470 | 93.0 | 1.180 | | BG39 | 2Q | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15143+1959 | COU102CD | 10.0 | 1.0 | 2008.440 | 270.0 | 1.187: | | BG39 | | | | |
| 15151+3650 | STT295 | 8.8 | 0.6 | 2008.328 | 150.5 | 0.325 | | | | | | |
| 15151+3650 | STT295 | 8.8 | 0.6 | 2008.440 | 148.3 | 0.364 | 1.3 | BG39 | ly (ni) | | | |
| 15151+3650 | STT295 | 8.8 | 0.6 | 2008.440 | 149.7 | 0.314 | | BG39 | | | | |
| 15151+3650 | STT295 | 8.8 | 0.6 | 2008.440 | 150.5 | 0.332 | | BG39 | | | | |
| 15183+2650 | STF1932Aa-B | 7.3 | 0.1 | 2008.443 | 82.2 | 1.615 | | BG39 | | −0.7 | −0.009 | Hei1965c |
| 15186+2356 | COU307 | 9.5 | 0.1 | 2008.421 | 3.7 | 0.348 | | BG39 | | −12.2 | +0.035 | Cou1999b |
| 15192+4329 | A1630 | 10.1 | 0.5 | 2008.423 | 245.4 | 0.785 | | BG39 | | | | |
| 15200+2338 | COU103 | 10.1 | 0.0 | 2008.443 | 279.3 | 0.547 | | BG39 | | | | |
| 15206+1523 | HU1160 | 9.6 | 0.1 | 2008.443 | — | — | | BG39 | S | | | |
| 15206+1523 | HU1160 | 9.6 | 0.1 | 2008.467 | 88.8: | 0.295: | | BG39 | | +0.1 | +0.032 | Hrt2009 |
| 15208+4242 | A573 | 8.9 | 0.9 | 2008.423 | 171.8 | 0.730 | | BG39 | | | | |
| 15208+4242 | A573 | 8.9 | 0.9 | 2008.423 | 172.3 | 0.760 | 1.5 | BG39 | ly (ni) | | | |
| 15210+2104 | HU146 | 9.5 | 0.2 | 2008.328 | 124.0 | 0.694 | | | | | | |
| 15233+4022 | COU1441 | 8.6 | 0.8 | 2008.423 | 18.5: | 0.318: | 1.9 | BG39 | ly (ni) | | | |
| 15233+4022 | COU1441 | 8.6 | 0.8 | 2008.423 | 26.4 | 0.251 | | BG39 | | | | |
| 15236+4022 | COU1442 | 9.6 | 0.1 | 2008.423 | 160.7 | 0.299 | | BG39 | | | | |
| 15261+1810 | STF1940 | 8.5 | 0.4 | 2008.328 | 330.9 | 0.408 | | | | | | |
| 15264+4400 | STT296AB | 7.8 | 1.3 | 2008.475 | 275.3 | 2.105 | 1.4 | IRC | ly (ni) | | | |
| 15264+4400 | STT296AB | 7.8 | 1.3 | 2008.475 | 275.6 | 2.104 | | IRC | | | | |
| 15268+2840 | COU484 | 10.2 | 0.5 | 2008.421 | 83.6 | 0.309 | | BG39 | | | | |
| 15272+1804 | A2073 | 9.9 | −0.0 | 2008.328 | — | — | | | S | | | |
| 15272+1804 | A2073 | 9.9 | −0.0 | 2008.421 | 126.2 | 0.143: | | BG39 | | | | |
| 15272+4133 | COU1443 | 8.7 | 1.7 | 2008.423 | 173.1 | 0.489 | 1.4 | BG39 | ly (ni) | | | |
| 15273+1738 | A2074 | 8.6 | 0.8 | 2008.328 | 267.4 | 0.309 | | | | +7.3 | +0.042 | Baz1976 |
| 15273+1738 | A2074 | 8.6 | 0.8 | 2008.421 | 263.9 | 0.308 | | BG39 | | +3.7 | +0.040 | Baz1976 |
| 15273+1738 | A2074 | 8.6 | 0.8 | 2008.421 | 265.6 | 0.332 | 1.0 | BG39 | ly | +5.4 | +0.064 | Baz1976 |
| 15294+4651 | A1633 | 9.8 | 1.0 | 2008.423 | — | — | | BG39 | NR 1Q-ly | | | |
| 15307+3810 | HU1163 | 9.2 | 0.5 | 2008.440 | 167.5 | 0.221 | | BG39 | | +0.6 | +0.024 | Hrt2000a |
| 15307+3810 | HU1163 | 9.2 | 0.5 | 2008.440 | 170.6 | 0.166 | 0.4 | BG39 | ly (ni) | | | |
| 15307+3810 | HU1163 | 9.2 | 0.5 | 2008.440 | 170.7 | 0.207 | | BG39 | | | | |
| 15328+1945 | HU577 | 8.9 | 0.0 | 2008.391 | 16.0 | 0.341 | | | | −0.1 | +0.028 | Cou1984b |
| 15333+4149 | STF1956 | 8.6 | 1.3 | 2008.423 | — | — | | BG39 | NR | | | |
| 15347+2655 | COU798 | 8.6 | −0.0 | 2008.391 | 180.9: | 0.127: | | | | −17.1 | −0.029 | Hrt2009 |
| 15359+1255 | STF1957 | 8.0 | 1.5 | 2008.470 | 134.8 | 0.292 | | BG39 | 2Q-ly | | | |
| 15360+3143 | COU799 | 10.8 | 0.3 | 2008.440 | 266.0 | 1.066 | 1.4 | BG39 | ly (ni) | | | |
| 15360+3143 | COU799 | 10.8 | 0.3 | 2008.440 | 267.3 | 1.033 | | BG39 | | | | |
| 15360+3948 | STT298AB | 7.2 | 1.3 | 2008.440 | 176.6 | 1.032 | 0.3 | BG39 | ly | +0.4 | −0.003 | Sod1999 |
| 15360+3948 | STT298AB | 7.2 | 1.3 | 2008.440 | 176.9 | 1.036 | | BG39 | | | | |
| 15360+3948 | STT298AB | 7.2 | 1.3 | 2008.473 | 176.7 | 1.033 | | BG39 | | +0.5 | −0.003 | Sod1999 |
| 15360+3948 | STT298AB | 7.2 | 1.3 | 2008.473 | 177.0 | 1.027 | 0.2 | BG39 | ly (ni) | +0.8 | −0.009 | Sod1999 |
| 15361+4849 | HU652 | 9.2 | 0.3 | 2008.478 | 184.6 | 1.129 | | IRC | | | | |
| 15361+4849 | HU652 | 9.2 | 0.3 | 2008.478 | 184.7 | 1.124 | 0.4 | IRC | ly (ni) | | | |
| 15363+4300 | COU1444 | 10.6 | 0.9 | 2008.478 | 309.6 | 0.993 | | IRC | 4Q-ly | | | |
| 15376+3427 | COU975 | 10.3 | 1.1 | 2008.473 | 340.8 | 0.964 | | BG39 | 4Q-ly | | | |
| 15377+4355 | COU1589 | 10.9 | 0.1 | 2008.423 | 12.1 | 0.832 | 1.0 | BG39 | ly (ni) | | | |
| 15377+4355 | COU1589 | 10.9 | 0.1 | 2008.423 | 13.0 | 0.811 | | BG39 | | | | |
| 15382+5020 | COU2110 | 9.7 | 0.4 | 2008.423 | 24.8 | 0.297 | | BG39 | | | | |
| 15382+5020 | COU2110 | 9.7 | 0.4 | 2008.423 | 28.3 | 0.338 | | BG39 | | | | |
| 15389+3401 | COU976 | 10.5 | 0.1 | 2008.473 | 128.3 | 1.264 | | BG39 | 2Q-ly | | | |
| 15394+3331 | COU800 | 10.9 | 0.4 | 2008.421 | 249.8 | 0.787 | | BG39 | | | | |
| 15399+1646 | COU2510 | 9.5 | 0.6 | 2008.443 | 25.1 | 0.252 | | BG39 | | | | |
| 15402+4041 | COU1274 | 10.0 | 2.0 | 2008.475 | 94.3 | 0.940 | 1.6 | IRC | ly (ni) | | | |
| 15402+4041 | COU1274 | 10.0 | 2.0 | 2008.475 | 94.6 | 0.941 | | IRC | | | | |
| 15402+4041 | COU1274 | 10.0 | 2.0 | 2008.478 | 94.7 | 0.958 | | IRC | 2Q-ly | | | |
| 15404+2123 | HU579 | 9.0 | 0.3 | 2008.443 | 133.6 | 0.728 | 2.3 | BG39 | ly (ni) | | | |
| 15404+2123 | HU579 | 9.0 | 0.3 | 2008.443 | 134.7 | 0.706 | | BG39 | | | | |
| 15405+1840 | A2076 | 8.3 | 0.2 | 2008.470 | 184.8 | 0.731 | | BG39 | | | | |
| 15406+3128 | COU613 | 9.1 | 1.1 | 2008.391 | 358.5 | 0.212 | | | | | | |
| 15406+3128 | COU613 | 9.1 | 1.1 | 2008.421 | 4.6 | 0.128: | 0.5 | BG39 | ly (ni) | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15406+3128 | COU613 | 9.1 | 1.1 | 2008.421 | 5.9 | 0.191 | | BG39 | | | | |
| 15420+4203 | COU1445 | 8.3 | 0.6 | 2008.423 | — | — | | BG39 | S | | | |
| 15440+2220 | COU106 | 8.7 | 0.5 | 2008.421 | 273.4 | 0.382 | 0.7 | BG39 | ly (ni) | | | |
| 15440+2220 | COU106 | 8.7 | 0.5 | 2008.421 | 273.9 | 0.406 | | BG39 | | | | |
| 15444+3942 | A1635 | 9.9 | 3.3 | 2008.473 | 216.6 | 1.669 | 2.4 | BG39 | ly (ni) | | | |
| 15444+3942 | A1635 | 9.9 | 3.3 | 2008.473 | 217.0 | 1.670 | | BG39 | | | | |
| 15456+1640 | COU2511 | 9.9 | −0.0 | 2008.391 | — | — | | | S | | | |
| 15456+1640 | COU2511 | 9.9 | −0.0 | 2008.421 | — | — | | BG39 | S | | | |
| 15457+5040 | HU657 | 10.2 | 0.7 | 2008.423 | 180.9 | 0.422 | 1.1 | BG39 | ly (ni) | −3.2 | +0.045 | Doc1991f |
| 15457+5040 | HU657 | 10.2 | 0.7 | 2008.423 | 182.6 | 0.412 | | BG39 | | −1.5 | +0.035 | Doc1991f |
| 15458+2637 | COU615 | 10.5 | −0.0 | 2008.440 | — | — | | BG39 | S (ni) | | | |
| 15458+2637 | COU615 | 10.5 | −0.0 | 2008.440 | 225.1: | 0.994: | 3.0 | BG39 | ly (ni) | | | |
| 15458+2637 | COU615 | 10.5 | −0.0 | 2008.443 | 208.3: | 0.461: | | BG39 | | | | |
| 15461+4343 | HDS2219 | 10.1 | 3.3 | 2008.478 | 316.6 | 1.055 | | IRC | | | | |
| 15461+4343 | HDS2219 | 10.1 | 3.3 | 2008.478 | 317.3 | 1.020: | 3.1 | IRC | ly (ni) | | | |
| 15463+1614 | HEI238 | 10.5 | 0.2 | 2008.470 | 142.6 | 1.228 | 2.0 | BG39 | 2Q-ly | | | |
| 15463+1614 | HEI238 | 10.5 | 0.2 | 2008.470 | 143.0 | 1.183 | 2.0 | BG39 | 2Q-ly | | | |
| 15465+1957 | COU66 | 10.9 | 0.3 | 2008.391 | 102.1 | 0.608 | | | | −38.7 | −0.277 | Cou1999b |
| 15465+5048 | COU2388 | 9.6 | 0.1 | 2008.423 | — | — | | BG39 | S | | | |
| 15468+1905 | A2077 | 9.6 | 0.5 | 2008.443 | 224.8 | 0.572 | 1.4 | BG39 | ly (ni) | | | |
| 15468+1905 | A2077 | 9.6 | 0.5 | 2008.443 | 225.5 | 0.540 | | BG39 | | | | |
| 15482+1925 | COU193 | 9.6 | 0.6 | 2008.391 | 290.3 | 0.583 | | | | | | |
| 15485+2600 | COU616 | 9.3 | 0.6 | 2008.440 | 159.7 | 0.752 | 1.0 | BG39 | ly (ni) | | | |
| 15485+2600 | COU616 | 9.3 | 0.6 | 2008.440 | 159.8 | 0.781 | | BG39 | | | | |
| 15486+4949 | COU1918 | 8.6 | 1.2 | 2008.423 | 176.2 | 0.254 | 1.9 | BG39 | ly (ni) | | | |
| 15486+4949 | COU1918 | 8.6 | 1.2 | 2008.423 | 183.6 | 0.220 | | BG39 | | | | |
| 15498+4431 | BU621 | 7.9 | 1.4 | 2008.475 | 26.6 | 0.682 | 1.3 | IRC | ly (ni) | | | |
| 15498+4431 | BU621 | 7.9 | 1.4 | 2008.475 | 27.4 | 0.666 | | IRC | | | | |
| 15509+1911 | A2078 | 8.9 | 0.6 | 2008.500 | 163.3 | 1.063 | 1.6 | IRC | ly (ni) | | | |
| 15509+1911 | A2078 | 8.9 | 0.6 | 2008.500 | 163.4 | 1.072 | | IRC | | | | |
| 15522+4653 | COU1763 | 10.5 | 2.0 | 2008.475 | 321.8 | 0.941 | | IRC | 4Q-ly | | | |
| 15522+4653 | COU1763 | 10.5 | 2.0 | 2008.478 | 322.3 | 0.941 | | IRC | 4Q-ly | | | |
| 15530+1547 | HEI239 | 10.2 | 0.3 | 2008.421 | 126.4 | 0.994 | | BG39 | | | | |
| 15540+1936 | COU67 | 11.0 | 0.1 | 2008.470 | 217.8 | 1.622 | | BG39 | 3Q-ly | | | |
| 15542+1659 | A2080 | 8.8 | 0.4 | 2008.391 | 99.1 | 0.365 | | | | −4.2 | +0.001 | Hrt2008 |
| 15544+3500 | COU978 | 10.5 | −0.0 | 2008.497 | 148.8 | 1.899 | | IRC | | | | |
| 15578+2054 | A1370 | 9.4 | 1.9 | 2008.421 | 227.1 | 0.297: | | BG39 | 3Q-ly | | | |
| 15578+2054 | A1370 | 9.4 | 1.9 | 2008.421 | 227.2 | 0.312 | 2.9 | BG39 | ly (ni) | | | |
| 15583+4019 | COU1448 | 11.0 | 0.3 | 2008.475 | 256.5 | 1.108 | | IRC | 3Q-ly | | | |
| 15585+4858 | HU659 | 9.4 | 2.0 | 2008.423 | 208.2 | 0.532 | | BG39 | | | | |
| 15585+4858 | HU659 | 9.4 | 2.0 | 2008.423 | 210.0 | 0.568 | 1.3 | BG39 | ly (ni) | | | |
| 15596+4440 | COU1764 | 10.3 | 0.1 | 2008.475 | 207.8 | 1.304 | | IRC | 3Q-ly | | | |
| 16003+1140 | A1639AB | 9.8 | 1.3 | 2008.443 | — | — | | BG39 | S | | | |
| 16003+1140 | A1639AB | 9.8 | 1.3 | 2008.470 | 268.4: | 0.324: | | BG39 | ly (ni) | | | |
| 16003+1140 | A1639AB-C | 9.8 | 1.3 | 2008.470 | 326.1 | 5.921 | 1.1 | BG39 | ly (ni) | | | |
| 16009+1316 | STT303AB | 7.7 | 0.4 | 2008.500 | 171.5 | 1.526 | | IRC | 2Q-ly | | | |
| 16013+4529 | A1640 | 10.6 | 0.0 | 2008.475 | 346.3 | 0.653 | | IRC | | | | |
| 16013+4529 | A1640 | 10.6 | 0.0 | 2008.475 | 346.3 | 0.656 | 1.1 | IRC | ly (ni) | | | |
| 16019+2458 | COU411 | 10.6 | 0.8 | 2008.470 | 275.9 | 1.408 | | BG39 | 4Q-ly | | | |
| 16025+2633 | COU618 | 8.8 | 3.2 | 2008.421 | 178.5 | 0.491 | | BG39 | | | | |
| 16025+2633 | COU618 | 8.8 | 3.2 | 2008.421 | 182.8 | 0.562: | 3.0 | BG39 | ly (ni) | | | |
| 16027+1257 | HEI240 | 9.8 | 0.9 | 2008.500 | 116.1 | 1.254 | | IRC | | | | |
| 16029+4644 | COU1766 | 8.7 | 2.2 | 2008.423 | 30.7 | 0.664 | 2.6 | BG39 | ly (ni) | | | |
| 16029+4644 | COU1766 | 8.7 | 2.2 | 2008.423 | 31.6 | 0.654 | | BG39 | | | | |
| 16049+4045 | COU1275 | 9.0 | 5.0 | 2008.475 | 68.6 | 2.033 | | IRC | | | | |
| 16071+1654 | BU812 | 9.1 | 0.8 | 2008.443 | 97.3 | 0.718 | | BG39 | | | | |
| 16071+1654 | BU812 | 9.1 | 0.8 | 2008.443 | 98.5 | 0.732 | 0.8 | BG39 | ly (ni) | | | |
| 16072+4613 | HDS2274 | 9.2 | 1.4 | 2008.475 | 41.2 | 0.286: | | IRC | | | | |
| 16079+1425 | A1798 | 8.9 | 1.3 | 2008.391 | 341.6: | 0.207: | | | | −5.6 | +0.047 | Sey2002 |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16080+4523 | BU355AB | 7.4 | 1.4 | 2008.475 | — | — | | IRC | S (ni) | | | |
| 16095+3108 | COU979 | 9.9 | 0.2 | 2008.391 | 57.0 | 0.394 | | | | | | |
| 16111+2014 | COU197 | 10.3 | −0.0 | 2008.391 | 47.0 | 0.482 | | | | | | |
| 16115+1507 | A1799 | 9.5 | 0.2 | 2008.421 | 117.4 | 0.768 | | BG39 | | | | |
| 16118+3424 | STT306 | 8.5 | 0.5 | 2008.473 | 11.1 | 0.242 | | BG39 | 1Q-ly | | | |
| 16128+3922 | STF2028 | 9.9 | 0.7 | 2008.391 | 142.6 | 0.374 | | | | +2.4 | +0.068 | Alz2001b |
| 16128+3922 | STF2028 | 9.9 | 0.7 | 2008.473 | 144.8 | 0.383 | | BG39 | 2Q-ly | +4.6 | +0.075 | Alz2001b |
| 16136+4546 | COU1767 | 10.4 | 0.9 | 2008.475 | 129.4 | 0.971 | | IRC | 2Q-ly | | | |
| 16137+4638 | A1642 | 8.9 | 0.5 | 2008.423 | 182.2 | 0.747 | | BG39 | | −0.2 | +0.013 | Hrt2001b |
| 16137+4638 | A1642 | 8.9 | 0.5 | 2008.423 | 182.4 | 0.782 | 1.2 | BG39 | ly (ni) | | | |
| 16137+4638 | A1642 | 8.9 | 0.5 | 2008.475 | 182.1 | 0.752 | | IRC | | | | |
| 16137+4638 | A1642 | 8.9 | 0.5 | 2008.475 | 182.2 | 0.734 | 1.0 | IRC | ly (ni) | | | |
| 16140+4200 | COU1449 | 9.9 | −0.0 | 2008.423 | — | — | | BG39 | S | | | |
| 16148+1600 | A2083 | 10.0 | 0.1 | 2008.500 | 153.7 | 1.161 | | IRC | | | | |
| 16156+1944 | HU480 | 10.1 | 1.0 | 2008.470 | 261.5 | 1.632 | | BG39 | | | | |
| 16156+1944 | HU480 | 10.1 | 1.0 | 2008.470 | 261.5 | 1.641 | 1.7 | BG39 | ly (ni) | | | |
| 16161+2936 | A348 | 9.0 | 1.9 | 2008.470 | 149.1 | 1.077 | | BG39 | 2Q-ly | | | |
| 16164+4327 | COU1450 | 10.5 | 1.3 | 2008.478 | 61.6 | 1.313 | | IRC | 1Q-ly | | | |
| 16166+4001 | COU1278 | 10.5 | −0.0 | 2008.475 | 334.6 | 1.233 | | IRC | 4Q-ly | | | |
| 16168+1447 | HDS2301 | 8.8 | 2.5 | 2008.500 | 53.1 | 0.981 | 2.1 | IRC | ly (ni) | | | |
| 16168+1447 | HDS2301 | 8.8 | 2.5 | 2008.500 | 53.8 | 0.993 | | IRC | | | | |
| 16169+1948 | COU107 | 9.0 | 0.6 | 2008.391 | 114.4 | 0.654 | | | | | | |
| 16173+5001 | COU2111 | 10.6 | 0.0 | 2008.423 | 32.8 | 0.335 | | BG39 | | | | |
| 16178+4918 | HU661 | 10.4 | 0.1 | 2008.475 | 40.2 | 0.778 | | IRC | | | | |
| 16178+4918 | HU661 | 10.4 | 0.1 | 2008.475 | 40.5 | 0.765 | 0.1 | IRC | ly (ni) | | | |
| 16186+1247 | HEI241 | 9.9 | 0.5 | 2008.421 | 59.7 | 0.729 | | BG39 | | | | |
| 16186+1247 | HEI241 | 9.9 | 0.5 | 2008.421 | 61.1 | 0.744 | 2.3 | BG39 | ly (ni) | | | |
| 16188+1724 | STF2037 | 9.8 | 0.0 | 2008.500 | 253.6 | 1.188 | | IRC | | | | |
| 16188+1724 | STF2037 | 9.8 | 0.0 | 2008.500 | 253.8 | 1.174 | 0.6 | IRC | ly (ni) | | | |
| 16192+2553 | COU412 | 9.5 | 2.5 | 2008.421 | 262.0 | 0.957 | | BG39 | | | | |
| 16192+4140 | STT309 | 8.7 | 0.2 | 2008.423 | 304.1 | 0.296 | | BG39 | | −1.5 | +0.013 | Sey2002 |
| 16192+4140 | STT309 | 8.7 | 0.2 | 2008.423 | 304.6 | 0.274 | 0.2 | BG39 | ly (ni) | | | |
| 16198+2647 | A225 | 10.0 | 0.2 | 2008.391 | — | — | | | NR 2Q-ly | | | |
| 16199+2341 | COU108 | 9.9 | 2.3 | 2008.470 | 257.9 | 0.627 | | BG39 | 3Q-ly | | | |
| 16212+2259 | HU481 | 8.2 | 1.8 | 2008.391 | 285.7 | 0.284 | | | | +25.7 | +0.009 | Sca2003a |
| 16216+3631 | COU982 | 9.4 | −0.0 | 2008.391 | — | — | | | 2Q | | | |
| 16216+3631 | COU982 | 9.4 | −0.0 | 2008.421 | 211.6: | 0.191: | | BG39 | | −11.2 | −0.004 | Hrt2009 |
| 16220+3908 | COU1279 | 10.7 | 0.3 | 2008.473 | 27.9 | 1.690 | | BG39 | | | | |
| 16229+3803 | COU1281 | 9.7 | −0.0 | 2008.391 | 195.5 | 0.235 | | | | +6.5 | +0.065 | Doc2008j |
| 16235+3321 | BU951AB-C | 9.3 | 0.8 | 2008.522 | 28.2 | 1.044 | | IRC | 1Q-ly | | | |
| 16239+2814 | COU486 | 11.0 | 0.2 | 2008.421 | 224.6 | 0.577 | | BG39 | | | | |
| 16240+4822 | HEN1 | 10.3 | — | 2008.478 | 288.0 | 0.958 | 2.1 | IRC | ly (ni) | | | |
| 16240+4822 | HEN1 | 10.3 | — | 2008.478 | 288.4 | 0.951 | | IRC | 4Q-ly | | | |
| 16248+3925 | HU1276 | 9.1 | 2.5 | 2008.473 | 269.7 | 0.416 | | BG39 | 3Q-ly | | | |
| 16248+3925 | HU1276 | 9.1 | 2.5 | 2008.522 | 269.6 | 0.425 | | IRC | 3Q-ly | | | |
| 16254+3416 | COU983 | 10.0 | 1.8 | 2008.522 | 5.4 | 1.776 | | IRC | | | | |
| 16254+3416 | COU983 | 11.2 | 1.8 | 2008.497 | 187.4 | 1.732 | | IRC | | | | |
| 16256+2054 | COU198 | 11.0 | 0.6 | 2008.470 | 163.2 | 1.102 | | BG39 | 2Q-ly | | | |
| 16265+5037 | COU2112 | 10.9 | 0.2 | 2008.423 | 59.2: | 0.347: | 1.3 | BG39 | 1Q-ly | | | |
| 16265+5037 | COU2112 | 10.9 | 0.2 | 2008.423 | 71.2: | 0.594: | 1.1 | BG39 | ly (ni) | | | |
| 16265+5037 | COU2112 | 10.9 | 0.2 | 2008.475 | 72.7 | 0.572 | 0.2 | IRC | ly (ni) | | | |
| 16268+1203 | A1859 | 9.1 | −0.0 | 2008.467 | 219.1: | 0.230: | | BG39 | | | | |
| 16272+3521 | COU984 | 10.9 | 0.2 | 2008.473 | 351.7 | 0.635 | 0.8 | BG39 | ly (ni) | | | |
| 16272+3521 | COU984 | 10.9 | 0.2 | 2008.473 | 352.7 | 0.614 | | BG39 | | | | |
| 16272+3953 | BU814 | 9.4 | 0.3 | 2008.522 | — | — | | IRC | S | | | |
| 16272+3953 | BU814 | 9.4 | 0.3 | 2008.473 | 3.5 | 0.302 | | BG39 | 1Q-ly | | | |
| 16273+2653 | A226 | 9.4 | 2.5 | 2008.470 | 94.3 | 1.015 | | BG39 | 2Q-ly | | | |
| 16284+3108 | COU488Aa | 10.0 | 1.0 | 2008.421 | 59.2 | 0.415 | | BG39 | | | | |
| 16284+3108 | COU488Aa | 10.0 | 1.0 | 2008.421 | 70.4: | 0.416 | 1.9 | BG39 | ly (ni) | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16289+1825 | STF2052AB | 7.7 | 0.2 | 2008.421 | 121.0 | 2.223 | 0.6 | BG39 | ly (ni) | +0.0 | +0.048 | Sod1999 |
| 16289+1825 | STF2052AB | 7.7 | 0.2 | 2008.421 | 121.2 | 2.222 | | BG39 | | +0.2 | +0.047 | Sod1999 |
| 16289+1825 | STF2052AB | 7.7 | 0.2 | 2008.470 | 120.9 | 2.209 | 0.3 | BG39 | ly (ni) | −0.1 | +0.033 | Sod1999 |
| 16289+1825 | STF2052AB | 7.7 | 0.2 | 2008.470 | 120.9 | 2.210 | | BG39 | | −0.1 | +0.034 | Sod1999 |
| 16296+1635 | A2084 | 10.2 | 0.0 | 2008.421 | 136.0 | 0.467 | | BG39 | | | | |
| 16301+3353 | HU1173 | 8.9 | 0.5 | 2008.473 | 55.5 | 0.246 | | BG39 | | −7.2 | −0.008 | Hei1997 |
| 16301+3353 | HU1173 | 8.9 | 0.5 | 2008.473 | 60.0 | 0.242 | 0.4 | BG39 | ly (ni) | −1.7 | −0.012 | Hei1997 |
| 16301+3353 | HU1173 | 8.9 | 0.5 | 2008.527 | 54.6 | 0.256 | | IRC | | −7.1 | +0.002 | Hei1997 |
| 16301+3353 | HU1173 | 8.9 | 0.5 | 2008.527 | 57.6 | 0.296: | 0.2 | IRC | ly (ni) | −4.1 | 0.042 | Hei1997 |
| 16304+4044 | HDS2331 | 8.0 | 4.0 | 2008.475 | — | — | | IRC | S | | | |
| 16306+4333 | A1861 | 7.8 | 3.7 | 2008.478 | 173.5 | 1.333 | | IRC | 2Q-ly | | | |
| 16309+3804 | STF2059 | 8.8 | 0.0 | 2008.497 | 184.1 | 0.383 | | IRC | | | | |
| 16309+3804 | STF2059 | 8.8 | 0.0 | 2008.497 | 185.6 | 0.383 | 0.4 | IRC | ly (ni) | | | |
| 16309+3804 | STF2059 | 8.8 | 0.0 | 2008.527 | 4.1 | 0.384 | | IRC | | | | |
| 16318+1126 | A2783AB | 8.5 | 4.0 | 2008.470 | 303.6 | 1.527 | | BG39 | 4Q-ly | | | |
| 16326+2314 | BU817 | 9.3 | 0.2 | 2008.443 | 327.6 | 0.954 | 0.5 | BG39 | ly (ni) | | | |
| 16326+2314 | BU817 | 9.3 | 0.2 | 2008.443 | 328.5 | 0.963 | | BG39 | | | | |
| 16326+2314 | BU817 | 9.3 | 0.2 | 2008.467 | 327.6 | 0.961 | | BG39 | 4Q-ly | | | |
| 16348+1124 | HDS2345 | 10.4 | 1.5 | 2008.443 | 234.2 | 0.423 | | BG39 | | | | |
| 16367+4230 | COU1451 | 11.0 | 0.4 | 2008.475 | 0.1 | 1.117 | | IRC | | | | |
| 16367+4230 | COU1451 | 11.0 | 0.4 | 2008.475 | 0.1 | 1.124 | 0.6 | IRC | ly (ni) | | | |
| 16371+1732 | COU311 | 10.3 | −0.0 | 2008.391 | 94.1: | 0.267: | | | | −15.8 | −0.109 | Cou1999b |
| 16371+1732 | COU311 | 10.3 | −0.0 | 2008.443 | — | — | | BG39 | S (ni) | | | |
| 16371+1732 | COU311 | 10.3 | −0.0 | 2008.470 | 104.2 | 0.237 | 0.5 | BG39 | 2Q-ly | −5.7 | −0.139 | Cou1999b |
| 16376+4510 | A1643 | 10.4 | 0.3 | 2008.475 | 151.3 | 0.769 | | IRC | | | | |
| 16376+4510 | A1643 | 10.4 | 0.3 | 2008.475 | 151.5 | 0.748 | 0.4 | IRC | ly (ni) | | | |
| 16380+4831 | COU1768 | 10.0 | 0.6 | 2008.475 | 301.7 | 0.606 | | IRC | 4Q-ly | | | |
| 16384+3514 | COU985 | 9.4 | 0.3 | 2008.391 | 70.1 | 0.322 | | | | −8.3 | +0.116 | Doc2000b |
| 16384+3514 | COU985 | 9.4 | 0.3 | 2008.473 | 248.9 | 0.314 | | BG39 | 3Q-ly | $-9.9^{Q}$ | +0.109 | Doc2000b |
| 16384+3514 | COU985 | 9.4 | 0.3 | 2008.527 | 238.6 | 0.314 | | IRC | 3Q-ly | $-20.4^{Q}$ | +0.109 | Doc2000b |
| 16386+3820 | STF2080AB | 9.2 | 3.8 | 2008.497 | 244.8 | 0.654 | | IRC | | | | |
| 16386+3820 | STF2080AB | 9.2 | 3.8 | 2008.497 | 249.0 | 0.688 | 2.5 | IRC | ly (ni) | | | |
| 16413+1816 | COU2512 | 10.2 | −0.0 | 2008.443 | 3.0 | 0.344 | | BG39 | | | | |
| 16413+3006 | A349 | 10.7 | 0.2 | 2008.391 | — | — | | | S (ni) | | | |
| 16413+3006 | A349 | 10.7 | 0.2 | 2008.421 | 135.6 | 0.698 | 1.0 | BG39 | ly (ni) | | | |
| 16413+3006 | A349 | 10.7 | 0.2 | 2008.421 | 137.9 | 0.663 | | BG39 | | +2.9 | +0.105 | Hei1996c |
| 16421+2151 | HU487 | 9.9 | −0.0 | 2008.443 | 269.2 | 0.240 | | BG39 | | | | |
| 16422+4112 | STF2091 | 8.4 | 0.9 | 2008.478 | 323.5 | 0.426 | 0.4 | IRC | ly (ni) | | | |
| 16422+4112 | STF2091 | 8.4 | 0.9 | 2008.478 | 324.9 | 0.422 | | IRC | | | | |
| 16428+3831 | COU1283 | 10.6 | 0.3 | 2008.527 | 59.1 | 0.790 | | IRC | 1Q-ly | | | |
| 16438+5133 | HU664 | 8.3 | 0.8 | 2008.478 | 300.8 | 0.502 | 0.6 | IRC | ly (ni) | | | |
| 16438+5133 | HU664 | 8.3 | 0.8 | 2008.478 | 302.0 | 0.498 | | IRC | | | | |
| 16439+4329 | D15 | 9.0 | 0.2 | 2008.478 | 34.9 | 0.338 | | IRC | | +0.7 | +0.023 | Alz2007 |
| 16439+4329 | D15 | 9.0 | 0.2 | 2008.478 | 36.3 | 0.357 | 0.2 | IRC | ly (ni) | +2.1 | +0.042 | Alz2007 |
| 16446+1009 | HEI545 | 10.8 | 0.3 | 2008.500 | 235.9 | 0.836 | | IRC | 3Q-ly | | | |
| 16447+3148 | COU804 | 10.5 | −0.0 | 2008.473 | — | — | | BG39 | S | | | |
| 16450+2928 | COU490 | 8.8 | −0.0 | 2008.421 | 125.5: | 0.118: | | BG39 | | +10.0 | −0.007 | Doc2008c |
| 16450+3842 | COU1284 | 9.5 | −0.0 | 2008.421 | 175.5: | 0.149: | | BG39 | | +21.4 | +0.026 | Cou1999b |
| 16453+2435 | HDS2376 | 8.5 | 3.4 | 2008.443 | — | — | | BG39 | S | | | |
| 16455+4446 | A1864 | 10.0 | 0.2 | 2008.423 | 125.7 | 0.289 | 0.3 | BG39 | 2Q-ly | | | |
| 16455+4446 | A1864 | 10.0 | 0.2 | 2008.423 | 128.2 | 0.296 | | BG39 | | | | |
| 16460+4948 | COU1770 | 11.0 | 1.5 | 2008.478 | 201.1 | 2.188 | | IRC | 3Q-ly | | | |
| 16474+2300 | HU666 | 9.1 | 3.8 | 2008.522 | 225.6 | 0.507 | | IRC | 3Q-ly | | | |
| 16476+4255 | COU1452 | 10.9 | 0.2 | 2008.475 | 107.4 | 0.290 | | IRC | | | | |
| 16476+4255 | COU1452 | 10.9 | 0.2 | 2008.475 | 108.2 | 0.278 | 0.3 | IRC | ly (ni) | | | |
| 16476+4255 | COU1452 | 10.9 | 0.2 | 2008.478 | 108.3 | 0.299 | | IRC | 2Q-ly | | | |
| 16476+4255 | GII3 | 10.9 | 0.2 | 2008.475 | 57.3 | 1.947 | 2.8 | IRC | ly (ni) | | | |
| 16476+4255 | GII3 | 10.9 | 0.2 | 2008.478 | 58.1 | 1.891 | | IRC | (ni) | | | |
| 16486+2516 | COU491 | 10.0 | 2.2 | 2008.443 | 36.6: | 0.718: | | BG39 | | | | |
| 16486+2516 | COU491 | 10.0 | 2.2 | 2008.443 | 39.3: | 0.796: | 2.6 | BG39 | ly (ni) | | | |
| 16492+4559 | A1866BC | 9.5 | 0.1 | 2008.423 | 249.0 | 0.248 | | BG39 | | +1.7 | +0.011 | Pop1969b |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16509+4259 | A575 | 9.6 | 0.6 | 2008.475 | 147.6 | 0.710 | | IRC | | | | |
| 16509+4259 | A575 | 9.6 | 0.6 | 2008.475 | 147.7 | 0.709 | | IRC | (ni) | | | |
| 16509+4259 | A575 | 9.6 | 0.6 | 2008.475 | 147.7 | 0.716 | 0.9 | IRC | ly (ni) | | | |
| 16518+3151 | BU821 | 9.8 | 0.6 | 2008.497 | 321.6 | 1.246 | 1.8 | IRC | ly (ni) | | | |
| 16518+3151 | BU821 | 9.8 | 0.6 | 2008.497 | 321.8 | 1.263 | | IRC | | | | |
| 16518+3151 | BU821 | 9.8 | 0.6 | 2008.522 | — | — | | IRC | S (ni) | | | |
| 16533+4122 | COU1286 | 10.8 | 0.6 | 2008.475 | 316.1 | 0.849 | 0.6 | IRC | ly (ni) | | | |
| 16533+4122 | COU1286 | 10.8 | 0.6 | 2008.475 | 316.1 | 0.855 | | IRC | | | | |
| 16533+4122 | COU1286 | 10.8 | 0.6 | 2008.478 | 315.6 | 0.859 | | IRC | 4Q-ly | | | |
| 16539+2547 | COU492 | 10.2 | 0.1 | 2008.443 | 91.4 | 0.533 | | BG39 | | | | |
| 16550+3223 | COU988 | 10.4 | 2.3 | 2008.497 | 83.7 | 1.735 | 2.2 | IRC | ly (ni) | | | |
| 16565+4108 | COU1288 | 10.6 | 4.0 | 2008.475 | 0.8 | 1.554 | 2.7 | IRC | ly (ni) | | | |
| 16565+4108 | COU1288 | 10.6 | 4.0 | 2008.475 | 2.1 | 1.510 | | IRC | | | | |
| 16566+1014 | HU160 | 10.1 | 0.1 | 2008.500 | 205.3 | 0.370 | 0.4 | IRC | ly (ni) | | | |
| 16566+1014 | HU160 | 10.1 | 0.1 | 2008.500 | 206.4 | 0.394 | | IRC | | | | |
| 16576+4935 | COU1772 | 8.9 | −0.0 | 2008.423 | 77.5 | 0.316 | | BG39 | | | | |
| 16576+4935 | COU1772 | 8.9 | −0.0 | 2008.423 | 80.6 | 0.288 | 0.7 | BG39 | ly (ni) | | | |
| 16578+4344 | A1872 | 9.6 | 1.1 | 2008.478 | 115.5 | 1.079 | | IRC | 2Q-ly | | | |
| 16581+1509 | STT319 | 8.2 | 0.7 | 2008.467 | 63.5 | 0.856 | | BG39 | 1Q-ly | | | |
| 16581+5148 | STF2117 | 9.2 | 1.4 | 2008.478 | 92.0 | 1.393 | | IRC | 2Q | | | |
| 16583+3107 | COU989 | 9.7 | 0.3 | 2008.391 | 191.1 | 0.303 | | | | | | |
| 16584+3943 | COU1289 | 8.4 | −0.0 | 2008.421 | — | — | | BG39 | <0.16 1Q | | | |
| 16594+1419 | STT321 | 9.0 | 0.1 | 2008.467 | 13.0 | 0.582 | | BG39 | 1Q-ly | | | |
| 17007+3951 | COU1290 | 10.4 | 0.1 | 2008.421 | 28.5 | 0.746 | | BG39 | | | | |
| 17043+4445 | COU1593 | 10.6 | 0.1 | 2008.475 | 198.3 | 0.503 | | IRC | 3Q-ly | | | |
| 17055+1033 | BU357 | 8.6 | 1.4 | 2008.467 | 306.7 | 1.449 | | BG39 | 4Q-ly | | | |
| 17063+2631 | A228 | 9.9 | 0.6 | 2008.467 | 6.9 | 0.466 | 0.7 | BG39 | 1Q-ly | | | |
| 17073+4604 | COU1773 | 10.9 | 0.3 | 2008.475 | 22.5 | 0.898 | | IRC | 1Q-ly | | | |
| 17075+3810 | COU1291 | 9.3 | 0.3 | 2008.391 | 123.6 | 0.230 | | | | −28.9 | +0.205 | Doc2003e |
| 17075+3810 | COU1291 | 9.3 | 0.3 | 2008.421 | 122.2 | 0.262 | 1.2 | BG39 | ly (ni) | | | |
| 17075+3810 | COU1291 | 9.3 | 0.3 | 2008.421 | 123.4 | 0.285 | | BG39 | 2Q-ly | −29.4 | +0.210 | Doc2003e |
| 17075+5126 | COU1921 | 10.3 | 0.3 | 2008.475 | 284.9 | 0.529 | | IRC | 4Q-ly | | | |
| 17076+4108 | COU1292 | 10.0 | 2.0 | 2008.475 | 164.0 | 0.519 | | IRC | 2Q-ly | | | |
| 17105+4645 | A1645 | 10.1 | −0.0 | 2008.478 | 36.9 | 0.250 | | IRC | | | | |
| 17105+4645 | A1645 | 10.1 | −0.0 | 2008.478 | 38.9 | 0.228 | 0.2 | IRC | ly (ni) | | | |
| 17109+4044 | COU1293 | 9.7 | 0.3 | 2008.478 | 8.2 | 0.173: | 0.1 | IRC | ly (ni) | | | |
| 17109+4044 | COU1293 | 9.7 | 0.3 | 2008.478 | 14.5 | 0.230 | | IRC | | | | |
| 17109+4044 | COU1293 | 9.7 | 0.3 | 2008.546 | 9.8: | 0.197 | | IRC | | | | |
| 17115+4914 | COU1775 | 9.1 | 0.6 | 2008.478 | — | — | | IRC | S | | | |
| 17129+2309 | COU314 | 10.6 | 0.7 | 2008.527 | 357.8 | 1.866 | 1.2 | IRC | ly (ni) | | | |
| 17129+2309 | COU314 | 10.6 | 0.7 | 2008.527 | 358.2 | 1.841 | | IRC | | | | |
| 17134+4944 | COU1776 | 9.6 | 0.5 | 2008.478 | 275.7 | 0.445 | 0.7 | IRC | ly (ni) | | | |
| 17134+4944 | COU1776 | 9.6 | 0.5 | 2008.478 | 275.7 | 0.447 | | IRC | | | | |
| 17135+2918 | COU494 | 10.0 | 1.3 | 2008.467 | 354.5 | 1.612 | 2.7 | BG39 | ly (ni) | | | |
| 17135+2918 | COU494 | 10.0 | 1.3 | 2008.522 | 352.1 | 1.603 | | IRC | 4Q-ly | | | |
| 17136+1716 | A2087 | 10.5 | 0.3 | 2008.391 | 129.3 | 0.397 | | | | −1.8 | −0.010 | Mnt2001a |
| 17136+1716 | A2087 | 10.5 | 0.3 | 2008.470 | 129.0 | 0.409 | | BG39 | | −2.1 | +0.002 | Mnt2001a |
| 17140+2119 | COU111 | 10.7 | 0.1 | 2008.527 | 245.0 | 0.590 | | IRC | 3Q-ly | | | |
| 17150+1238 | HDS2439 | 9.3 | 3.4 | 2008.500 | — | — | | IRC | S | | | |
| 17155+2007 | HU489 | 10.4 | 0.4 | 2008.527 | 33.4 | 1.003 | | IRC | | | | |
| 17161+2316 | COU315 | 9.1 | −0.0 | 2008.391 | — | — | | | NR 2Q-ly | | | |
| 17163+3458 | COU1141 | 10.7 | −0.0 | 2008.391 | — | — | | | NR (ni) | | | |
| 17163+3458 | COU1141 | 10.7 | −0.0 | 2008.497 | 135.3 | 0.532 | | IRC | | | | |
| 17163+3458 | COU1141 | 10.7 | −0.0 | 2008.546 | — | — | | IRC | NR | | | |
| 17174+1939 | COU496AB | 11.0 | 1.5 | 2008.470 | 172.4 | 0.816 | | BG39 | | | | |
| 17175+3205 | BU629 | 9.0 | 1.0 | 2008.508 | 337.5 | 1.183 | | IRC | 4Q-ly | | | |
| 17177+3537 | COU993Aa | 8.9 | 2.4 | 2008.497 | 108.3 | 1.039 | 1.9 | IRC | ly (ni) | | | |
| 17177+3537 | COU993Aa | 8.9 | 2.4 | 2008.497 | 108.4 | 1.061 | | IRC | | | | |
| 17177+3537 | COU993Aa | 8.9 | 2.4 | 2008.508 | 107.0 | 1.073 | | IRC | 2Q-ly | | | |
| 17182+4952 | HU669 | 10.1 | 0.1 | 2008.478 | 261.6 | 0.891 | | IRC | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17184+3240 | BU628 | 9.5 | 0.1 | 2008.473 | 266.4 | 0.536 | | BG39 | 3Q | −1.2 | +0.004 | Fmr2009c |
| 17192+3221 | BU630 | 9.6 | 2.0 | 2008.508 | 220.5 | 1.476 | | IRC | 3Q-ly | | | |
| 17194+2802 | COU625 | 7.2 | 2.3 | 2008.467 | 59.7: | 0.274: | | BG39 | | | | |
| 17194+2802 | COU625 | 7.2 | 2.3 | 2008.522 | 59.3 | 0.271 | | IRC | 1Q-ly | | | |
| 17197+3703 | COU994 | 9.0 | 1.8 | 2008.391 | 215.2 | 0.464 | | | | | | |
| 17212+2542 | A232 | 9.4 | 0.3 | 2008.467 | 124.3 | 0.395 | | BG39 | | | | |
| 17212+2542 | A232 | 9.4 | 0.3 | 2008.522 | — | — | | IRC | S (ni) | | | |
| 17221+2310 | COU415 | 8.8 | 1.1 | 2008.391 | 267.3 | 0.236 | | | | +9.0 | −0.114 | Doc2003e |
| 17221+2310 | COU415 | 8.8 | 1.1 | 2008.467 | — | — | | BG39 | S | | | |
| 17222+2605 | HO414AB | 9.4 | 0.3 | 2008.522 | 101.2 | 0.792 | | IRC | | | | |
| 17224+2056 | COU201AB | 9.2 | 0.9 | 2008.467 | 260.2 | 0.532 | | BG39 | 3Q-ly | | | |
| 17224+2056 | COU201AB | 9.2 | 0.9 | 2008.522 | 254.3 | 0.521 | | IRC | 3Q-ly | | | |
| 17228+2428 | COU112 | 10.0 | 1.8 | 2008.527 | 20.5 | 1.452 | | IRC | 1Q-ly | | | |
| 17248+3044 | BU1250 | 10.8 | 0.3 | 2008.391 | 115.6 | 1.969 | | | | −0.8 | +0.080 | Mnt2004b |
| 17249+4701 | A2089 | 9.9 | 0.2 | 2008.478 | 330.5 | 0.720 | 0.4 | IRC | ly (ni) | | | |
| 17251+3444 | HU922 | 10.2 | 0.8 | 2008.473 | 52.4 | 0.247 | | BG39 | 1Q-ly | +44.4 | −0.061 | Hei1982c |
| 17251+3444 | HU922 | 10.2 | 0.8 | 2008.473 | 56.5 | 0.215 | 1.2 | BG39 | ly:(ni) | +48.5 | −0.093 | Hei1982c |
| 17251+3444 | HU922 | 10.2 | 0.8 | 2008.497 | 51.9: | 0.252: | | IRC | | +43.9 | −0.056 | Hei1982c |
| 17251+3444 | HU922 | 10.2 | 0.8 | 2008.527 | 45.1 | 0.230 | | IRC | 1Q-ly | +37.1 | −0.078 | Hei1982c |
| 17256+4145 | COU1296 | 8.7 | 2.3 | 2008.546 | 355.0 | 0.435 | | IRC | 4Q-ly | | | |
| 17268+2625 | COU1455 | 9.3 | −0.0 | 2008.391 | 359.5 | 0.289 | | | | | | |
| 17276+2618 | COU497 | 9.5 | 1.5 | 2008.522 | 73.9 | 1.060 | | IRC | 1Q-ly | | | |
| 17276+2618 | COU497 | 9.5 | 1.5 | 2008.527 | 73.4 | 1.057 | | IRC | 1Q-ly | | | |
| 17276+2624 | COU498 | 10.4 | 0.0 | 2008.467 | 42.7 | 0.469 | | BG39 | | | | |
| 17276+2624 | COU498 | 10.4 | 0.0 | 2008.527 | 39.0 | 0.457 | | IRC | 1Q-ly | | | |
| 17285+3657 | COU1143 | 11.0 | 0.0 | 2008.473 | 240.1 | 0.370 | 0.3 | BG39 | ly (ni) | | | |
| 17285+3657 | COU1143 | 11.0 | 0.0 | 2008.508 | 235.9 | 0.379 | 0.3 | IRC | ly (ni) | | | |
| 17285+3657 | COU1143 | 11.0 | 0.0 | 2008.508 | 237.3 | 0.399 | | IRC | | | | |
| 17290+3845 | COU1297 | 10.3 | 0.4 | 2008.473 | 97.3 | 0.301 | | BG39 | | | | |
| 17290+3845 | COU1297 | 10.3 | 0.4 | 2008.497 | 94.0 | 0.280 | | IRC | | | | |
| 17290+3845 | COU1297 | 10.3 | 0.4 | 2008.546 | 91.2 | 0.313 | | IRC | | | | |
| 17293+2924 | A351AB | 9.7 | 0.2 | 2008.467 | 124.3: | 0.395: | | BG39 | (ni) | +123.7 | +0.266 | Sod1999 |
| 17293+2924 | A351AB | 9.7 | 0.2 | 2008.470 | — | — | | BG39 | S | | | |
| 17293+3758 | HO417 | 9.3 | 0.1 | 2008.473 | 308.3 | 0.335 | | BG39 | | | | |
| 17293+3758 | HO417 | 9.3 | 0.1 | 2008.522 | 306.4 | 0.322 | | IRC | | | | |
| 17293+3758 | HO417 | 9.3 | 0.1 | 2008.522 | 307.2 | 0.329 | 0.1 | IRC | ly (ni) | | | |
| 17313+1901 | COU499 | 8.7 | −0.0 | 2008.470 | — | — | | BG39 | S | | | |
| 17324+2848 | A352 | 8.6 | 0.8 | 2008.467 | — | — | | BG39 | S | | | |
| 17324+2848 | A352 | 8.6 | 0.8 | 2008.527 | — | — | | IRC | S | | | |
| 17326+3445 | HU1181 | 8.6 | 0.5 | 2008.497 | — | — | | IRC | S | | | |
| 17326+3445 | HU1181 | 8.6 | 0.5 | 2008.563 | — | — | | IRC | S | | | |
| 17339+1446 | A1877 | 10.6 | 0.1 | 2008.500 | 55.2 | 0.578 | | IRC | 1Q-ly | | | |
| 17340+4429 | COU1594 | 10.6 | 0.0 | 2008.478 | 328.0 | 0.537 | | IRC | 4Q-ly | | | |
| 17340+4429 | COU1594 | 10.6 | 0.0 | 2008.546 | 327.4 | 0.363 | | IRC | | | | |
| 17345+3935 | COU1298 | 10.3 | 0.2 | 2008.391 | 252.3 | 0.293 | | | | | | |
| 17359+3205 | COU807 | 10.6 | 0.0 | 2008.497 | 140.6 | 0.653 | | IRC | | | | |
| 17359+3205 | COU807 | 10.6 | 0.0 | 2008.473 | 140.7 | 0.675 | 2.3 | BG39 | ly (ni) | | | |
| 17359+3205 | COU807 | 10.6 | 0.0 | 2008.473 | 141.1 | 0.646 | | BG39 | | | | |
| 17359+3205 | COU807 | 10.6 | 0.0 | 2008.546 | 142.7 | 0.655 | | IRC | | | | |
| 17365+4142 | ES636 | 10.5 | 0.9 | 2008.563 | 124.3 | 1.975 | | IRC | | | | |
| 17372+2754 | KUI83AB | 9.8 | 0.6 | 2008.391 | 328.6 | 0.208: | | | | −1.2 | −0.023 | Msn1999a |
| 17372+2754 | KUI83AB | 9.8 | 0.6 | 2008.467 | 332.0 | 0.258 | | BG39 | 4Q | +0.6 | +0.028 | Msn1999a |
| 17372+2754 | KUI83AB | 9.8 | 0.6 | 2008.546 | 332.0 | 0.220 | | IRC | | +5.5 | −0.010 | Msn1999a |
| 17374+1233 | BU1121 | 9.2 | 0.2 | 2008.470 | 198.8 | 0.480 | | BG39 | 3Q-ly | | | |
| 17383+4242 | A694 | 9.8 | 1.5 | 2008.563 | 101.0 | 1.231 | | IRC | 2Q-ly | | | |
| 17398+4619 | COU1780 | 9.0 | 1.0 | 2008.478 | — | — | | IRC | S | | | |
| 17403+5047 | COU2114 | 10.9 | 0.2 | 2008.478 | 184.4 | 0.364 | | IRC | | | | |
| 17403+5047 | COU2114 | 10.9 | 0.2 | 2008.478 | 185.3 | 0.374 | 0.1 | IRC | ly (ni) | | | |
| 17411+1628 | A2091 | 8.7 | 1.5 | 2008.500 | 268.7 | 0.832 | | IRC | | | | |
| 17418+2130 | COU114 | 7.2 | 0.9 | 2008.470 | 228.7: | 0.170: | | BG39 | | −21.3 | +0.047 | Cou1999b |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17435+3453 | COU997 | 9.3 | 1.0 | 2008.391 | — | — | | | S | | | |
| 17436+2237 | HU1285 | 8.9 | 0.3 | 2008.470 | 34.0 | 0.542 | | BG39 | | −0.6 | +0.011 | Sey2002 |
| 17436+2237 | HU1285 | 8.9 | 0.3 | 2008.470 | 34.8 | 0.546 | 0.0 | BG39 | ly (ni) | +0.2 | +0.015 | Sey2002 |
| 17445+1900 | STF2206 | 8.8 | 1.0 | 2008.500 | 247.8 | 1.034 | | IRC | 3Q-ly | | | |
| 17452+2107 | COU630 | 10.0 | −0.0 | 2008.391 | — | — | | | S | | | |
| 17452+2107 | COU630 | 10.0 | −0.0 | 2008.470 | — | — | | BG39 | S | | | |
| 17455+2949 | COU632 | 10.0 | 2.0 | 2008.391 | 310.1 | 1.026 | | | | | | |
| 17457+1650 | A2092 | 8.6 | 1.8 | 2008.596 | 335.6 | 0.867 | | IRC | 4Q-ly | | | |
| 17465+2743 | AC7BC | 10.2 | 0.5 | 2008.527 | 235.9 | 1.151 | | IRC | 3Q-ly | −2.0 | +0.040 | Cou1960b |
| 17471+3235 | COU634 | 9.8 | −0.0 | 2008.473 | 84.5 | 0.241 | 0.6 | BG39 | ly (ni) | | | |
| 17471+3235 | COU634 | 9.8 | −0.0 | 2008.473 | 86.6 | 0.280 | | BG39 | | | | |
| 17471+3235 | COU634 | 9.8 | −0.0 | 2008.508 | 72.9: | 0.287: | | IRC | 1Q-ly (ni) | | | |
| 17471+4215 | A697 | 9.5 | 0.2 | 2008.546 | 302.1 | 0.453 | | IRC | | | | |
| 17471+4215 | A697 | 9.5 | 0.2 | 2008.563 | 122.9 | 0.463 | | IRC | 2Q-ly | | | |
| 17472+1502 | HU1288 | 8.3 | 1.1 | 2008.596 | 337.4 | 0.435 | | IRC | | | | |
| 17487+3536 | HU1182 | 10.1 | 0.0 | 2008.473 | 306.4 | 0.486 | 0.2 | BG39 | ly (ni) | −2.2 | +0.000 | Sey2002 |
| 17487+3536 | HU1182 | 10.1 | 0.0 | 2008.473 | 306.8 | 0.491 | | BG39 | | −1.8 | +0.005 | Sey2002 |
| 17487+3536 | HU1182 | 10.1 | 0.0 | 2008.527 | 306.5 | 0.495 | 0.0 | IRC | 4Q-ly | −2.1 | +0.009 | Sey2002 |
| 17487+3536 | HU1182 | 10.1 | 0.0 | 2008.546 | 305.2 | 0.479 | | IRC | | −3.4 | −0.007 | Sey2002 |
| 17505+3651 | COU1146 | 7.3 | 1.6 | 2008.497 | — | — | | IRC | S | | | |
| 17505+3651 | COU1146 | 7.3 | 1.6 | 2008.522 | — | — | | IRC | S | | | |
| 17506+3932 | COU1301 | 8.5 | 3.1 | 2008.497 | 83.2 | 1.721 | 3.1 | IRC | ly (ni) | | | |
| 17506+3932 | COU1301 | 8.5 | 3.1 | 2008.497 | 83.9 | 1.747 | | IRC | | | | |
| 17506+3932 | COU1301 | 8.5 | 3.1 | 2008.563 | 82.6 | 1.744 | | IRC | 1Q-ly | | | |
| 17519+4256 | COU1598 | 11.0 | 0.1 | 2008.546 | 49.8 | 0.464 | | IRC | | | | |
| 17523+4057 | A699 | 9.3 | 0.7 | 2008.563 | — | — | | IRC | S | | | |
| 17526+2536 | A234AB | 9.2 | 0.3 | 2008.522 | — | — | | IRC | S | | | |
| 17529+2941 | AC8 | 9.1 | 0.6 | 2008.470 | — | — | | BG39 | S | | | |
| 17529+2941 | AC8 | 9.1 | 0.6 | 2008.522 | — | — | | IRC | NR | | | |
| 17531+4212 | COU1599 | 9.8 | 0.0 | 2008.563 | 127.6 | 0.540 | 1.2 | IRC | ly (ni) | | | |
| 17531+4212 | COU1599 | 9.8 | 0.0 | 2008.563 | 128.6 | 0.561 | | IRC | | | | |
| 17533+2459 | A235 | 8.4 | 0.9 | 2008.470 | — | — | | BG39 | S | | | |
| 17548+3610 | COU1303 | 10.6 | −0.0 | 2008.497 | 257.4 | 1.286 | | IRC | 3Q-ly | | | |
| 17566+3045 | COU999 | 10.0 | 0.7 | 2008.527 | 309.6 | 1.426 | | IRC | 4Q-ly | | | |
| 17572+4131 | COU1782 | 9.4 | 0.8 | 2008.546 | 189.9 | 0.351 | | IRC | 3Q-ly | | | |
| 17575+1058 | BU1299AB | 9.3 | 0.0 | 2008.500 | 91.8 | 0.294 | | IRC | | −3.2 | 0.000 | Doc2007j |
| 17575+1058 | BU1299AB | 9.3 | 0.0 | 2008.500 | 277.2: | 0.244: | 0.2 | IRC | ly (ni) | | | |
| 17577+2815 | HO424 | 8.4 | 2.3 | 2008.587 | 21.3 | 1.412 | | IRC | | | | |
| 17586+1353 | HU1289 | 9.7 | 0.4 | 2008.500 | 71.7 | 0.615 | | IRC | | | | |
| 17591+3228 | HU1185 | 9.8 | 0.7 | 2008.473 | 138.2 | 0.369 | 0.7 | BG39 | ly (ni) | −8.9 | +0.100 | Hei1975b |
| 17591+3228 | HU1185 | 9.8 | 0.7 | 2008.473 | 138.2 | 0.371 | | BG39 | | −8.9 | +0.102 | Hei1975b |
| 17594+2929 | COU1003Aa | 9.2 | −0.0 | 2008.470 | — | — | | BG39 | S | | | |
| 17594+2929 | COU1003Aa | 9.2 | −0.0 | 2008.522 | — | — | | IRC | NR | | | |
| 18000+2449 | COU115 | 8.8 | −0.0 | 2008.527 | 293.4: | 0.270: | | IRC | | | | |
| 18000+2449 | COU115 | 8.8 | −0.0 | 2008.527 | 296.7 | 0.315 | 1.0 | IRC | ly (ni) | | | |
| 18003+2154 | A1374 | 8.9 | 2.0 | 2008.527 | — | — | | IRC | S | | | |
| 18007+1736 | COU810 | 9.8 | 0.0 | 2008.500 | — | — | | IRC | S | | | |
| 18007+1736 | COU810 | 9.8 | 0.0 | 2008.574 | 117.3: | 0.208: | | IRC | | | | |
| 18017+4011 | STF2267 | 8.4 | 0.4 | 2008.546 | 89.5 | 0.555 | | IRC | | | | |
| 18030+1500 | HDS2542 | 7.9 | 1.7 | 2008.596 | — | — | | IRC | S | | | |
| 18032+2603 | HO565AB | 9.2 | −0.0 | 2008.522 | 91.5 | 0.204 | | IRC | 2Q | | | |
| 18033+3921 | STF2275 | 10.1 | 0.1 | 2008.473 | 118.3 | 0.255 | | BG39 | 2Q-ly | −0.7 | +0.005 | Pop2000a |
| 18033+3921 | STF2275 | 10.1 | 0.1 | 2008.546 | 112.2 | 0.268 | | IRC | | −6.9 | +0.018 | Pop2000a |
| 18035+4032 | COU1785 | 8.7 | 0.2 | 2008.563 | — | — | | IRC | S | | | |
| 18036+3731 | COU1147 | 11.0 | 0.3 | 2008.473 | 170.4 | 0.781 | | BG39 | | | | |
| 18036+3731 | COU1147 | 11.0 | 0.3 | 2008.473 | 171.0 | 0.778 | 1.1 | BG39 | ly (ni) | | | |
| 18036+3731 | COU1147 | 11.0 | 0.3 | 2008.508 | 169.5 | 0.770 | | IRC | 2Q-ly | | | |
| 18039+3200 | COU1004 | 10.6 | 0.3 | 2008.497 | 104.6 | 1.316 | 1.5 | IRC | ly:(ni) | | | |
| 18039+3200 | COU1004 | 10.6 | 0.3 | 2008.497 | 107.5 | 1.302 | | IRC | | | | |
| 18039+3200 | COU1004 | 10.6 | 0.3 | 2008.563 | 106.8 | 1.307 | | IRC | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18039+3200 | COU1004 | 10.6 | 0.3 | 2008.596 | 106.8 | 1.329 | | IRC | | | | |
| 18043+4206 | COU1786 | 8.3 | 0.8 | 2008.478 | — | — | | IRC | S | | | |
| 18043+4206 | COU1786 | 8.3 | 0.8 | 2008.563 | 161.8: | 0.124: | | IRC | | +10.4 | −0.024 | Hrt2009 |
| 18054+1624 | A2093 | 9.1 | 0.8 | 2008.587 | 226.0 | 0.642 | | IRC | 3Q-ly | | | |
| 18062+3326 | HO79 | 10.8 | −0.0 | 2008.473 | 43.3 | 0.267 | | BG39 | 1Q-ly | | | |
| 18062+3326 | HO79 | 10.8 | −0.0 | 2008.473 | 44.2 | 0.273 | 0.9 | BG39 | ly (ni) | | | |
| 18062+3326 | HO79 | 10.8 | −0.0 | 2008.563 | 38.6 | 0.243 | | IRC | | | | |
| 18064+4437 | COU1926 | 10.2 | −0.0 | 2008.546 | 124.0 | 0.331 | | IRC | | | | |
| 18075+1940 | STT524 | 7.9 | 1.0 | 2008.596 | 208.2 | 0.439 | | IRC | 3Q-ly | −1.3 | +0.001 | Hrt2000c |
| 18086+1838 | HU314 | 8.8 | 0.4 | 2008.587 | 78.3 | 0.302 | | IRC | 1Q-ly | | | |
| 18086+1838 | HU314 | 8.8 | 0.4 | 2008.596 | 78.5: | 0.330: | | IRC | 1Q-ly | | | |
| 18086+1838 | HU314 | 8.8 | 0.4 | 2008.596 | 79.0 | 0.296 | 0.2 | IRC | ly (ni) | | | |
| 18090+2335 | HU315 | 10.6 | −0.0 | 2008.527 | — | — | | IRC | S | | | |
| 18092+3129 | COU812 | 10.8 | 0.1 | 2008.473 | 260.9 | 0.662 | 0.6 | BG39 | ly (ni) | −17.9 | −0.010 | Cou1999b |
| 18092+3129 | COU812 | 10.8 | 0.1 | 2008.473 | 262.0 | 0.652 | | BG39 | | −19.0 | −0.000 | Cou1999b |
| 18092+3129 | COU812 | 10.8 | 0.1 | 2008.508 | 256.6 | 0.659 | | IRC | 3Q-ly | −22.2 | −0.013 | Cou1999b |
| 18109+3321 | COU1005AB | 10.2 | 0.3 | 2008.473 | 140.5 | 0.238 | | BG39 | | | | |
| 18109+3321 | COU1005AB | 10.2 | 0.3 | 2008.508 | 145.7: | 0.213: | | IRC | | | | |
| 18130+3318 | COU1006 | 9.2 | 2.1 | 2008.497 | 135.6 | 0.428 | | IRC | 2Q-ly | −35.0 | +0.265 | Cou1999b |
| 18130+3318 | COU1006 | 9.2 | 2.1 | 2008.497 | 138.3 | 0.441 | 2.9 | IRC | ly (ni) | −32.1 | +0.280 | Cou1999 |
| 18130+3318 | COU1006 | 9.2 | 2.1 | 2008.508 | 135.9 | 0.417 | | IRC | | −34.7 | +0.254 | Cou1999b |
| 18130+3318 | COU1006 | 9.2 | 2.1 | 2008.508 | 315.7 | 0.465 | 2.1 | IRC | ly (ni) | −34.9 | +0.300 | Cou1999 |
| 18132+4315 | A576 | 9.8 | 0.5 | 2008.546 | 282.8 | 0.398 | 0.7 | IRC | 4Q-ly | | | |
| 18134+1643 | HEI170 | 10.0 | 0.1 | 2008.587 | 132.9 | 0.343 | | IRC | | | | |
| 18146+2335 | HU318 | 10.7 | 0.1 | 2008.596 | 332.0 | 0.684 | | IRC | | | | |
| 18163+3625 | HU1291 | 9.3 | 0.7 | 2008.563 | 60.2 | 0.237 | | IRC | 1Q-ly | +1.9 | +0.023 | Sey2002 |
| 18163+3625 | HU1291 | 9.3 | 0.7 | 2008.473 | 60.0 | 0.268 | | BG39 | 1Q-ly | +3.0 | +0.041 | Sey2002 |
| 18163+3625 | HU1291 | 9.3 | 0.7 | 2008.508 | 58.1 | 0.256 | | IRC | 1Q-ly | −0.3 | +0.042 | Sey2002 |
| 18170+1204 | HDS2582 | 7.9 | 0.5 | 2008.579 | 143.6: | 0.111: | | IRC | | | | |
| 18172+2640 | A241 | 10.6 | 0.1 | 2008.563 | 105.5 | 0.672 | | IRC | | | | |
| 18173+4355 | A577 | 10.4 | 0.1 | 2008.546 | 300.8 | 0.699 | | IRC | 4Q-ly | | | |
| 18195+1526 | HEI171 | 10.0 | −0.0 | 2008.574 | 98.7 | 0.350 | | IRC | | | | |
| 18195+3336 | COU1010 | 10.0 | 1.6 | 2008.563 | 160.7 | 1.156 | | IRC | 2Q-ly | | | |
| 18197+1016 | HU197 | 8.7 | 1.0 | 2008.574 | 67.5 | 0.488 | | IRC | 1Q | +0.7 | +0.030 | Hei1995 |
| 18203+2104 | HDS2592 | 7.8 | 3.6 | 2008.587 | 184.1: | 0.468: | | IRC | | | | |
| 18205+2055 | COU202 | 9.3 | 0.4 | 2008.544 | 288.2: | 0.189: | | IRC | | | | |
| 18205+2055 | COU202 | 9.3 | 0.4 | 2008.574 | — | — | | IRC | S | | | |
| 18208+2732 | BU640 | 7.0 | 5.0 | 2008.587 | 140.5 | 0.758 | 3.0 | IRC | ly (ni) | | | |
| 18208+2732 | BU640 | 7.0 | 5.0 | 2008.587 | 141.9 | 0.731 | | IRC | 2Q-ly | | | |
| 18211+3917 | COU1459 | 11.0 | 0.5 | 2008.563 | 86.1 | 1.523 | | IRC | 1Q-ly | | | |
| 18212+3917 | COU1460 | 9.5 | 0.4 | 2008.563 | 158.2 | 0.443 | | IRC | | | | |
| 18214+1810 | HDS2594 | 10.7 | 1.1 | 2008.596 | 308.6: | 0.329: | | IRC | | | | |
| 18217+2356 | COU418 | 9.9 | 0.3 | 2008.527 | — | — | | IRC | S | | | |
| 18229+1458 | HU581 | 8.8 | 0.6 | 2008.579 | 116.7 | 0.255 | | IRC | | −4.0 | −0.068 | Ast1991 |
| 18231+4100 | COU1602 | 10.9 | −0.0 | 2008.546 | 278.0 | 0.237 | | IRC | | | | |
| 18232+6139 | HU1292 | 9.6 | −0.0 | 2008.648 | 135.3 | 0.338 | | IRC | | | | |
| 18233+2731 | HO83 | 10.1 | 0.3 | 2008.596 | 110.5 | 0.827 | | IRC | | | | |
| 18242+2818 | A244 | 10.5 | 0.0 | 2008.527 | 269.6 | 0.558 | | IRC | 3Q-ly | | | |
| 18243+3609 | HDS2603 | 9.6 | 3.2 | 2008.508 | 350.7 | 0.830 | | IRC | | | | |
| 18245+1810 | COU506 | 11.5 | 0.2 | 2008.579 | 87.6 | 1.507 | | IRC | | | | |
| 18252+5659 | MLR537 | 9.6 | 0.1 | 2008.648 | 55.9 | 0.582 | | IRC | 1Q-ly | | | |
| 18253+2605 | STF2317BC | 12.5 | 0.2 | 2008.525 | — | — | | IRC | S | | | |
| 18253+2605 | STF2317BC | 12.5 | 0.2 | 2008.587 | 315.0 | 1.403 | | IRC | | | | |
| 18253+4653 | BU134 | 8.0 | 1.7 | 2008.639 | 123.6 | 1.089 | | IRC | 2Q-ly | | | |
| 18256+3945 | COU1461 | 10.9 | 0.5 | 2008.473 | 242.3 | 0.786 | | BG39 | 3Q-ly | | | |
| 18256+3945 | COU1461 | 10.9 | 0.5 | 2008.546 | 241.2 | 0.774 | | IRC | | | | |
| 18289+1815 | COU507 | 10.3 | 2.5 | 2008.587 | 149.8 | 0.945 | | IRC | | | | |
| 18292+1622 | HEI258 | 10.5 | −0.0 | 2008.574 | — | — | | IRC | S | | | |
| 18301+5805 | MLR357 | 10.0 | 0.2 | 2008.648 | 22.2: | 0.639: | | IRC | | | | |
| 18303+1907 | COU508 | 9.5 | 2.7 | 2008.574 | 252.0 | 0.871 | | IRC | 3Q-ly | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18305+2519 | A246 | 10.0 | 1.0 | 2008.525 | 162.1 | 1.469 | | IRC | 2Q-ly | | | |
| 18305+6412 | MLR62 | 8.8 | 2.5 | 2008.648 | 7.9 | 0.993 | | IRC | 1Q-ly | | | |
| 18309+3417 | COU1150Aa | 9.8 | 0.3 | 2008.508 | 284.5: | 0.235: | 0.9 | IRC | ly (ni) | | | |
| 18312+2516 | A248 | 11.0 | 0.0 | 2008.525 | 31.0 | 0.468 | | IRC | 1Q-ly | | | |
| 18316+2030 | COU119 | 10.0 | 0.4 | 2008.544 | 228.2 | 0.664 | | IRC | | | | |
| 18316+2030 | COU119 | 10.0 | 0.4 | 2008.587 | 225.9 | 0.675 | | IRC | 3Q-ly | | | |
| 18319+4119 | COU1605 | 10.9 | 0.8 | 2008.563 | 127.4 | 0.980 | | IRC | | | | |
| 18349+2717 | COU639 | 11.0 | 0.2 | 2008.544 | 269.7 | 0.714 | | IRC | | | | |
| 18353+2145 | COU205 | 9.4 | 1.3 | 2008.574 | — | — | | IRC | NR | | | |
| 18358+2522 | HDS2637 | 9.2 | 0.5 | 2008.596 | 299.2: | 0.170: | | IRC | | | | |
| 18360+1144 | STT357 | 8.1 | 0.8 | 2008.579 | 76.9 | 0.383 | 0.2 | IRC | 1Q-ly | +0.5 | +0.022 | Val1981d |
| 18361+2452 | A249 | 10.1 | 0.1 | 2008.544 | 96.6 | 1.029 | | IRC | | | | |
| 18363+2143 | COU206 | 9.0 | −0.0 | 2008.544 | — | — | | IRC | S | | | |
| 18370+1016 | HU247 | 9.9 | 0.1 | 2008.579 | 4.4 | 0.469 | | IRC | | | | |
| 18377+6342 | HU933 | 8.8 | 4.5 | 2008.648 | 2.4 | 0.929 | | IRC | 1Q-ly | | | |
| 18379+4014 | ES1655 | 10.8 | 0.8 | 2008.563 | 204.8 | 1.955 | | IRC | | | | |
| 18383+5353 | A1378AB | 8.8 | 0.8 | 2008.639 | 116.1 | 0.399 | | IRC | 2Q-ly | | | |
| 18386+1632 | HO87AB | 8.3 | 0.6 | 2008.579 | 81.2 | 0.409 | | IRC | | −2.2 | +0.028 | Hrt2000c |
| 18389+2222 | COU207 | 9.0 | 1.4 | 2008.525 | 296.5 | 1.533 | | IRC | 4Q | | | |
| 18389+2324 | TDT972 | 10.7 | 0.5 | 2008.587 | 44.7 | 0.836 | | IRC | | | | |
| 18398+2759 | COU640 | 10.3 | 0.3 | 2008.525 | 88.8 | 0.400: | | IRC | | | | |
| 18402+5048 | COU2515 | 10.0 | 0.6 | 2008.639 | 274.6 | 0.347 | 1.0 | IRC | ly (ni) | | | |
| 18406+2636 | COU641 | 10.3 | 0.1 | 2008.525 | 49.9 | 0.548 | | IRC | | | | |
| 18408+2142 | HU324 | 9.4 | 0.5 | 2008.527 | 110.4 | 0.868 | | IRC | 2Q-ly | | | |
| 18423+3616 | A1381 | 10.4 | 0.1 | 2008.508 | 96.6 | 0.438 | 1.0 | IRC | ly (ni) | | | |
| 18426+2209 | COU208 | 10.9 | 0.1 | 2008.587 | 129.3 | 0.364 | | IRC | 2Q-ly | | | |
| 18440+4256 | COU1791 | 10.4 | −0.0 | 2008.546 | 140.9 | 0.397 | | IRC | | | | |
| 18443+2052 | HU325 | 10.2 | 0.7 | 2008.587 | 1.8 | 0.373 | | IRC | 1Q-ly | | | |
| 18443+2052 | HU325 | 10.2 | 0.7 | 2008.596 | 4.3 | 0.373 | | IRC | | | | |
| 18443+2052 | HU325 | 10.2 | 0.7 | 2008.596 | 6.6: | 0.330: | | IRC | | | | |
| 18448+5201 | HU755 | 9.7 | 0.2 | 2008.639 | 121.1 | 0.566 | | IRC | 2Q-ly | | | |
| 18453+3856 | COU1608 | 10.4 | 2.1 | 2008.546 | 224.5 | 1.056 | | IRC | 3Q-ly | | | |
| 18454+3634 | HDS2659 | 7.2 | 2.4 | 2008.596 | 15.4 | 0.356 | | IRC | | | | |
| 18461+5212 | MLR637 | 10.4 | −0.0 | 2008.639 | 98.1 | 0.767 | | IRC | 2Q-ly | | | |
| 18461+6121 | MLR7 | 9.9 | 1.1 | 2008.648 | 302.5 | 1.081 | | IRC | 4Q-ly | | | |
| 18462+6412 | HU937 | 8.9 | 1.0 | 2008.648 | 330.0 | 0.994 | | IRC | 4Q-ly | −1.4 | +0.012 | Bdl2006b |
| 18466+3821 | HU1191 | 8.7 | 0.8 | 2008.508 | 258.0 | 0.235 | | IRC | 3Q-ly | −3.9 | +0.037 | Doc2001b |
| 18472+4909 | COU2516 | 9.5 | −0.0 | 2008.631 | — | — | | IRC | S | | | |
| 18472+4909 | COU2516 | 9.5 | −0.0 | 2008.639 | — | — | | IRC | S | | | |
| 18475+1537 | HU584 | 10.0 | 0.0 | 2008.596 | 4.7 | 0.345 | | IRC | | | | |
| 18481+3929 | COU1609 | 10.2 | 2.0 | 2008.525 | 20.0 | 0.796 | | IRC | | | | |
| 18486+2330 | HU326 | 9.2 | 0.3 | 2008.527 | — | — | | IRC | S | | | |
| 18487+3401 | HU936 | 9.7 | 0.2 | 2008.527 | 277.3 | 1.815 | | IRC | | | | |
| 18490+3914 | COU1610 | 10.2 | 0.2 | 2008.546 | 319.8 | 0.379 | | IRC | | | | |
| 18505+4335 | COU1930 | 10.3 | 0.2 | 2008.546 | 320.0 | 0.483 | | IRC | 4Q-ly | | | |
| 18514+2954 | TDT1087 | 11.3 | 1.0 | 2008.593 | 202.8 | 1.481 | | IRC | 3Q-ly | | | |
| 18517+1331 | STF2409AB | 8.5 | 1.2 | 2008.579 | 17.7 | 1.000 | | IRC | 1Q-ly | | | |
| 18521+1148 | HU199 | 9.1 | 0.5 | 2008.574 | 164.6 | 0.887 | | IRC | | | | |
| 18523+3713 | COU1311 | 10.5 | 0.7 | 2008.563 | 42.8 | 1.332 | | IRC | 1Q-ly | | | |
| 18527+5135 | COU2517 | 10.0 | 0.3 | 2008.639 | — | — | | IRC | S | | | |
| 18527+5842 | HDS2678 | 9.3 | 3.1 | 2008.648 | 192.0: | 0.155: | | IRC | | | | |
| 18533+4545 | COU1931 | 9.6 | −0.0 | 2008.631 | — | — | | IRC | S | | | |
| 18540+3723 | BU137AB | 8.7 | 0.3 | 2008.689 | 162.5 | 1.550 | | IRC | 2Q-ly | | | |
| 18549+4437 | COU1932 | 10.3 | 0.1 | 2008.563 | 115.3 | 0.858 | | IRC | 2Q-ly | | | |
| 18551+4051 | HEI73 | 10.9 | 0.2 | 2008.563 | 318.8 | 0.716 | | IRC | | | | |
| 18554+6420 | MLR59 | 9.0 | 3.0 | 2008.648 | 285.6 | 0.802 | | IRC | 4Q-ly | | | |
| 18555+3215 | COU1013 | 10.9 | 0.5 | 2008.563 | 144.4 | 0.643 | | IRC | | | | |
| 18567+2123 | HDS2684 | 8.2 | 1.4 | 2008.579 | 348.3 | 0.582 | | IRC | 4Q-ly | | | |
| 18567+2718 | COU1015 | 10.7 | −0.0 | 2008.544 | 272.9 | 0.929 | | IRC | | | | |
| 18586+5210 | MLR638 | 9.0 | 0.6 | 2008.639 | 127.6 | 0.283 | | IRC | 2Q-ly | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18587+1936 | HU330 | 10.6 | 0.3 | 2008.587 | 30.6 | 0.705 | | IRC | | | | |
| 18589+4218 | TDT1161 | 11.4 | 0.1 | 2008.593 | 179.2 | 1.176 | | IRC | | | | |
| 18591+1810 | HU331 | 10.0 | 0.1 | 2008.579 | 22.5 | 0.573 | | IRC | | | | |
| 18593+5450 | A1387 | 9.1 | 1.0 | 2008.639 | 350.1 | 0.335 | | IRC | 4Q-ly | | | |
| 19009+3232 | HO92 | 10.6 | 0.3 | 2008.525 | 37.9 | 1.255 | | IRC | 1Q-ly | | | |
| 19019+1910 | STF2437 | 8.4 | 0.4 | 2008.579 | 7.5 | 0.572 | | IRC | | | | |
| 19020+3210 | HU1296 | 9.4 | 1.5 | 2008.544 | — | — | | IRC | S | | | |
| 19024+3608 | COU1613 | 10.3 | −0.0 | 2008.525 | 319.6 | 0.525 | | IRC | | | | |
| 19024+3608 | COU1613 | 10.3 | −0.0 | 2008.544 | 321.6 | 0.537 | | IRC | | | | |
| 19029+2742 | ES480AB | 10.1 | 1.0 | 2008.587 | 272.8 | 2.318 | | IRC | | | | |
| 19029+2742 | ES480AB | 10.3 | 1.3 | 2008.593 | 273.2 | 2.095 | 1.2 | IRC | 4Q-ly | | | |
| 19029+2742 | WAK3AC | 10.3 | 1.3 | 2008.587 | 355.3 | 1.122 | | IRC | | | | |
| 19029+2742 | WAK3AC | 10.3 | 1.3 | 2008.593 | 355.3 | 1.062 | 1.5: | IRC | 4Q-ly | | | |
| 19030+4233 | A589 | 9.5 | 0.6 | 2008.669 | 5.6 | 0.686 | | IRC | 1Q-ly | | | |
| 19031+4520 | COU1934 | 10.0 | −0.0 | 2008.631 | — | — | | IRC | S | | | |
| 19034+2511 | A2991 | 10.4 | 0.4 | 2008.527 | 78.1 | 0.733 | | IRC | 1Q-ly | | | |
| 19036+3705 | HDS2702 | 10.3 | 0.5 | 2008.669 | 274.0 | 0.197 | | IRC | 4Q-ly | | | |
| 19038+4040 | COU2196 | 9.9 | 0.3 | 2008.669 | 331.0 | 0.493 | | IRC | 4Q-ly | | | |
| 19039+2642 | A2992 | 10.1 | 0.6 | 2008.544 | 46.6 | 0.229 | | IRC | | −12.9 | +0.023 | Doc2001e |
| 19042+3859 | COU1935 | 10.6 | 0.4 | 2008.689 | 41.2 | 1.129 | 0.9 | IRC | 1Q-ly | | | |
| 19045+6248 | MLR8 | 9.5 | 2.5 | 2008.648 | — | — | | IRC | S | | | |
| 19050+5553 | A1389 | 9.9 | −0.0 | 2008.648 | 192.2: | 0.150: | | IRC | | | | |
| 19058+5918 | MLR217 | 8.5 | −0.0 | 2008.648 | — | — | | IRC | S | | | |
| 19062+3026 | STF2454AB | 8.3 | 1.4 | 2008.527 | 288.2 | 1.320 | | IRC | | −1.0 | −0.015 | Sta1982b |
| 19066+2646 | COU722 | 10.2 | 0.1 | 2008.527 | 333.9 | 1.029 | | IRC | 4Q-ly | | | |
| 19069+4137 | COU2197 | 9.1 | −0.0 | 2008.563 | 168.1: | 0.211: | | IRC | | +23.2 | +0.003 | Cou1999b |
| 19072+4451 | A703 | 9.0 | 0.3 | 2008.631 | 186.9 | 0.575 | | IRC | 3Q-ly | | | |
| 19074+3230 | KUI90CP | 10.6 | 0.8 | 2008.544 | — | — | | IRC | S | | | |
| 19074+3230 | KUI90CP | 10.6 | 0.8 | 2008.546 | 258.5 | 0.197: | | IRC | | −7.3 | −0.019 | Sgr2000 |
| 19074+4705 | COU2518 | 10.9 | 0.6 | 2008.639 | 294.4 | 0.791 | | IRC | 4Q-ly | | | |
| 19079+2503 | COU419 | 9.5 | 3.0 | 2008.710 | 29.5 | 2.514 | | IRC | | | | |
| 19082+1215 | MCA54 | 8.0 | 1.2 | 2008.579 | — | — | | IRC | NR | | | |
| 19082+3829 | COU1936 | 10.4 | −0.0 | 2008.546 | 299.7 | 0.521 | | IRC | | | | |
| 19083+2555 | COU420 | 8.7 | 2.0 | 2008.587 | 96.5 | 1.224 | | IRC | 2Q-ly | | | |
| 19085+4414 | COU2396 | 10.5 | 0.4 | 2008.563 | 37.3 | 0.841 | | IRC | | | | |
| 19089+3404 | COU1462 | 10.2 | 0.1 | 2008.525 | — | — | | IRC | S | | | |
| 19096+1803 | J1300 | 9.6 | 1.5 | 2008.710 | 342.4 | 2.221 | | IRC | | | | |
| 19096+2641 | TDS972 | 11.1 | 0.2 | 2008.593 | 311.0 | 0.710 | | IRC | | | | |
| 19100+4225 | COU2279 | 10.6 | 0.2 | 2008.664 | 125.0 | 0.671 | | IRC | | | | |
| 19102+1606 | HU1298AB | 10.0 | 0.2 | 2008.574 | — | — | | IRC | NR | | | |
| 19103+2820 | COU723 | 10.3 | 0.2 | 2008.525 | 359.3 | 0.229 | | IRC | 4Q-ly | | | |
| 19106+5429 | A1391 | 9.2 | 0.9 | 2008.639 | 14.5 | 0.191 | | IRC | 1Q-ly | +2.7 | −0.001 | Sca2001c |
| 19107+4136 | A590 | 10.0 | 0.2 | 2008.631 | 159.9 | 0.477 | | IRC | 2Q-ly | | | |
| 19110+6224 | HU943 | 9.4 | 0.5 | 2008.648 | 111.1 | 0.523 | | IRC | 2Q-ly | | | |
| 19111+3847 | SE2BC | 8.6 | 0.8 | 2008.669 | 44.4 | 0.219 | | IRC | | −6.9 | +0.008 | Bdl2006a |
| 19111+3847 | STF2481A-BC | 8.6 | 0.8 | 2008.664 | 21.6 | 4.633 | | IRC | (ni) | | | |
| 19111+3847 | STF2481A-BC | 8.6 | 0.8 | 2008.664 | 21.6 | 4.633 | | IRC | ly | | | |
| 19127+2435 | A264AC | 8.0 | 5.5 | 2008.587 | 289.0 | 3.574 | | IRC | 4Q-ly | | | |
| 19127+2435 | MAD7AC | 8.0 | 4.5 | 2008.587 | 288.2 | 3.232 | | IRC | 4Q-ly | | | |
| 19131+2154 | A153 | 8.7 | 2.4 | 2008.574 | 265.8 | 0.706 | | IRC | 3Q-ly | | | |
| 19132+3420 | COU1616 | 10.5 | −0.0 | 2008.546 | — | — | | IRC | NR | | | |
| 19132+3420 | COU1616 | 10.5 | −0.0 | 2008.669 | — | — | | IRC | S | | | |
| 19132+3420 | COU1616 | 10.5 | −0.0 | 2008.689 | 135.9: | 0.329: | | IRC | | | | |
| 19134+2324 | A154AB | 9.6 | 0.7 | 2008.689 | 359.5 | 1.068 | | IRC | | | | |
| 19134+4443 | A705BC | 9.3 | 0.7 | 2008.669 | 38.8 | 0.566 | | IRC | | | | |
| 19134+4443 | COU2519Aa | 9.2 | −0.0 | 2008.669 | 71.4 | 0.252 | | IRC | | | | |
| 19143+2840 | A265AB | 10.9 | 0.0 | 2008.689 | 16.6 | 0.941 | | IRC | | | | |
| 19147+3258 | COU1463 | 10.9 | 0.3 | 2008.525 | 204.1 | 0.628 | | IRC | 3Q-ly | | | |
| 19149+2841 | MRZ1 | 9.8 | 1.7 | 2008.689 | 324.6 | 1.823 | | IRC | 4Q-ly | | | |
| 19150+3539 | COU1617 | 10.0 | 1.3 | 2008.593 | 145.5 | 0.829 | | IRC | 2Q-ly | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19153+2454 | HDS2724 | 10.4 | 0.5 | 2008.574 | 294.5 | 0.184 | | IRC | 4Q-ly | | | |
| 19158+0218 | HEI810Aa,Ab | 10.7 | 0.4 | 2008.579 | 36.3 | 1.167 | | IRC | | | | |
| 19158+5458 | A1392 | 8.8 | 0.2 | 2008.639 | — | — | | IRC | S | | | |
| 19161+4407 | COU2520 | 10.2 | 0.6 | 2008.593 | 51.5 | 0.778 | | IRC | | | | |
| 19163+4018 | COU2280 | 9.8 | −0.0 | 2008.631 | 264.5 | 0.270 | | IRC | 3Q-ly | | | |
| 19165+5003 | COU2627 | 9.9 | −0.0 | 2008.639 | 21.2 | 0.237 | | IRC | 1Q-ly | | | |
| 19172+1853 | HU336 | 10.2 | 0.2 | 2008.579 | 10.7 | 1.499 | | IRC | | | | |
| 19176+2900 | COU1021 | 10.5 | 2.0 | 2008.587 | 40.5 | 2.463 | | IRC | | | | |
| 19182+2231 | COU322 | 10.4 | 0.1 | 2008.527 | 24.7 | 0.466 | | IRC | | | | |
| 19191+6416 | MLR64 | 10.0 | 0.1 | 2008.656 | 43.9 | 0.485 | | IRC | | | | |
| 19192+2847 | DOO73 | 9.7 | 0.5 | 2008.689 | 118.4: | 0.812: | 2.8 | IRC | ly (ni) | | | |
| 19194+1943 | COU421BC | 10.5 | −0.0 | 2008.574 | 5.3 | 0.418 | | IRC | 1Q-ly | | | |
| 19195+5729 | MLR539 | 9.3 | −0.0 | 2008.648 | 188.8 | 0.271 | 0.2 | IRC | ly (ni) | | | |
| 19195+5729 | MLR539 | 9.3 | −0.0 | 2008.648 | 189.6 | 0.256 | | IRC | | | | |
| 19196+4035 | COU2398 | 9.1 | 0.5 | 2008.546 | — | — | | IRC | S | | | |
| 19208+1717 | COU422 | 10.7 | 0.7 | 2008.587 | 35.5 | 0.970 | | IRC | | | | |
| 19211+1751 | HU338 | 10.1 | −0.0 | 2008.574 | 139.6: | 0.271: | | IRC | | | | |
| 19212+6014 | A707 | 10.2 | 1.5 | 2008.656 | 148.8 | 0.305 | | IRC | | | | |
| 19216+5223 | BU1129 | 7.7 | 0.2 | 2008.639 | 164.8 | 0.291 | | IRC | | +2.0 | −0.001 | Baz1984a |
| 19216+5223 | BU1129 | 7.7 | 0.2 | 2008.639 | 166.9 | 0.293 | 0.0 | IRC | ly (ni) | +4.1 | +0.000 | Baz1984a |
| 19219+6306 | MLR50 | 8.6 | 3.3 | 2008.765 | 328.6 | 1.979 | 4.3: | AF | dv (ni) | | | |
| 19223+3758 | COU1937 | 10.6 | −0.0 | 2008.525 | 231.5 | 0.359 | | IRC | 3Q-ly | | | |
| 19223+3758 | COU1937 | 10.6 | −0.0 | 2008.527 | 239.7 | 0.308 | | IRC | 3Q-ly | | | |
| 19223+3758 | COU1937 | 10.6 | −0.0 | 2008.544 | 243.2 | 0.349 | | IRC | | | | |
| 19224+4205 | A592 | 10.1 | 0.4 | 2008.631 | 242.0 | 0.611 | | IRC | 3Q-ly | | | |
| 19228+5637 | A708 | 8.5 | 4.2 | 2008.648 | 167.0 | 0.991 | | IRC | 2Q-ly | | | |
| 19230+3955 | HU1193 | 9.0 | 3.4 | 2008.593 | 58.9 | 0.810 | | IRC | 1Q-ly | | | |
| 19238+3119 | A2196BC | 10.8 | 0.4 | 2008.669 | 233.5 | 0.685 | | IRC | 3Q-ly | | | |
| 19238+3119 | AG230A-BC | 9.8 | 1.0 | 2008.669 | 69.3 | 5.460 | 1.6 | IRC | ly (ni) | | | |
| 19243+2032 | HDS2752 | 9.0 | 1.7 | 2008.710 | 167.1 | 0.269 | | IRC | | | | |
| 19243+4038 | COU2399 | 10.4 | 0.6 | 2008.669 | 152.5 | 0.981 | | IRC | | | | |
| 19244+2543 | COU724 | 10.1 | 0.1 | 2008.596 | 175.6 | 0.318 | | IRC | | | | |
| 19246+3535 | COU1618 | 8.8 | 2.5 | 2008.593 | 29.8 | 0.883 | | IRC | 1Q-ly | | | |
| 19251+4431 | COU2524 | 10.0 | −0.0 | 2008.563 | 354.6 | 0.161 | | IRC | | | | |
| 19253+3749 | COU2122 | 10.8 | 0.1 | 2008.544 | 18.6 | 0.776 | | IRC | | | | |
| 19255+3515 | COU1619 | 12.0 | −0.0 | 2008.593 | 2.5 | 0.988 | | IRC | | | | |
| 19255+4631 | A709 | 9.9 | 0.1 | 2008.639 | 63.6 | 0.551 | | IRC | 1Q-ly | | | |
| 19260+1533 | A1647AB | 8.2 | 3.2 | 2008.710 | 35.4 | 1.365 | | IRC | | | | |
| 19263+4319 | COU2525 | 11.0 | 0.1 | 2008.669 | 344.8 | 0.539 | | IRC | | | | |
| 19266+2619 | HDS2763 | 9.0 | 3.1 | 2008.710 | 26.3 | 0.791 | | IRC | | | | |
| 19266+2719 | STF2525 | 8.2 | 0.2 | 2008.689 | 290.0 | 2.105 | | IRC | 4Q-ly | −0.1 | +0.006 | Hei1984b |
| 19267+4926 | COU2628 | 10.3 | 0.6 | 2008.639 | 95.7 | 1.113 | | IRC | 2Q-ly | | | |
| 19270+1606 | A1648 | 9.7 | 0.2 | 2008.579 | 359.3 | 0.806 | | IRC | | | | |
| 19270+2109 | A2786 | 10.1 | 0.0 | 2008.574 | 108.1 | 0.366 | | IRC | 2Q-ly | | | |
| 19272+2508 | COU1025 | 10.5 | 1.7 | 2008.710 | 330.4 | 1.734 | | IRC | | | | |
| 19277+3627 | HU1302 | 10.5 | 0.3 | 2008.508 | 63.1 | 0.556 | | IRC | | | | |
| 19279+3955 | COU2400 | 10.2 | 1.8 | 2008.508 | 246.6 | 0.766 | | IRC | 3Q-ly | | | |
| 19284+1617 | A1650 | 9.8 | 0.1 | 2008.574 | — | — | | IRC | S | | | |
| 19284+1829 | HU340 | 9.8 | 0.5 | 2008.579 | 118.1 | 0.897 | | IRC | | | | |
| 19288+2305 | A160 | 8.9 | 0.1 | 2008.579 | 110.2: | 0.156: | | IRC | | | | |
| 19288+4603 | HDS2768 | 8.9 | 0.5 | 2008.631 | — | — | | IRC | S | | | |
| 19290+1515 | A1651 | 8.4 | 1.5 | 2008.710 | 79.4 | 0.259 | | IRC | | | | |
| 19302+5639 | A712 | 7.5 | 0.5 | 2008.648 | 236.0: | 0.081: | | IRC | | −22.0 | −0.029 | Bdl2006d |
| 19303+6207 | HU947 | 9.2 | 2.2 | 2008.648 | 166.1 | 0.386 | | IRC | 2Q-ly | | | |
| 19306+2817 | COU1161Aa | 9.1 | 0.5 | 2008.546 | — | — | | IRC | NR | | | |
| 19308+4124 | COU2402 | 9.8 | −0.0 | 2008.546 | 139.5: | 0.142: | | IRC | | | | |
| 19308+6337 | HU951 | 10.1 | 0.3 | 2008.656 | 17.0 | 0.194 | | IRC | | −17.5 | +0.039 | Baz1984a |
| 19309+3815 | COU2203BC | 10.3 | 0.3 | 2008.563 | 117.1 | 0.991 | | IRC | | | | |
| 19312+2201 | A161 | 9.5 | 0.5 | 2008.579 | — | — | | IRC | S | | | |
| 19312+4338 | A595 | 9.9 | 0.9 | 2008.664 | 85.8 | 1.070 | | IRC | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19313+4729 | A713 | 7.5 | 0.4 | 2008.631 | 298.6 | 0.255 | 0.1 | IRC | 4Q-ly | +0.3 | +0.001 | Sey2002 |
| 19315+4358 | A596 | 8.7 | 2.6 | 2008.664 | 307.5 | 1.334 | | IRC | 4Q-ly | | | |
| 19324+3539 | COU1940 | 10.2 | 0.3 | 2008.508 | 218.4 | 0.707 | | IRC | | | | |
| 19324+3539 | COU1940 | 10.2 | 0.3 | 2008.508 | 218.8 | 0.719 | 0.8 | IRC | ly (ni) | | | |
| 19326+5433 | A1399 | 9.7 | 0.8 | 2008.639 | 75.9 | 1.555 | | IRC | 1Q-ly | | | |
| 19329+6601 | HU1304 | 9.5 | 0.2 | 2008.656 | 98.4 | 0.834 | | IRC | | | | |
| 19333+2629 | COU1028Aa | 8.8 | 0.7 | 2008.527 | 53.6 | 0.293 | | IRC | 1Q-ly | | | |
| 19335+3305 | HU949 | 9.8 | 0.1 | 2008.508 | 83.8 | 0.491 | 0.6 | IRC | ly (ni) | | | |
| 19335+3305 | HU949 | 9.8 | 0.1 | 2008.508 | 84.1 | 0.468 | | IRC | | | | |
| 19335+3454 | HU950 | 9.7 | 0.0 | 2008.544 | 318.8 | 0.384 | | IRC | | | | |
| 19335+6002 | A715 | 10.1 | 0.1 | 2008.656 | 353.9 | 0.489 | | IRC | 4Q-ly | | | |
| 19338+4222 | A597 | 8.3 | 2.5 | 2008.631 | 83.6 | 1.418 | | IRC | 1Q-ly | | | |
| 19345+2620 | A271 | 10.6 | 0.1 | 2008.527 | 120.7 | 0.641 | | IRC | 2Q-ly | | | |
| 19346+1022 | A1186 | 9.4 | 0.5 | 2008.574 | 81.9 | 0.269 | 0.7 | IRC | ly (ni) | | | |
| 19346+1808 | STT375 | 7.7 | 1.2 | 2008.710 | 185.5 | 0.600 | | IRC | | | | |
| 19346+1808 | STT375 | 7.7 | 1.2 | 2008.710 | 185.7 | 0.588 | 1.4 | IRC | dv (ni) | | | |
| 19351+5038 | HU679 | 8.8 | 0.9 | 2008.639 | 256.4 | 0.383 | | IRC | 3Q-ly | −1.1 | +0.002 | Ana2005 |
| 19355+2049 | COU517 | 8.3 | 2.9 | 2008.710 | 228.0 | 0.835 | | IRC | | | | |
| 19356+4002 | A1400 | 8.2 | 1.7 | 2008.546 | 117.6 | 0.337 | | IRC | 2Q-ly | −14.4 | +0.091 | Sey2002 |
| 19357+7308 | A864 | 9.2 | 0.2 | 2008.656 | 13.1 | 0.740 | | IRC | | | | |
| 19358+2316 | A163 | 10.0 | 0.1 | 2008.527 | 15.2 | 0.248 | | IRC | | +11.3 | +0.069 | Baz1981b |
| 19358+2316 | A163 | 10.0 | 0.1 | 2008.527 | 22.5 | 0.255 | 0.3 | IRC | ly (ni) | +18.6 | +0.080 | Baz1981b |
| 19360+1416 | HEI272 | 9.8 | 0.2 | 2008.579 | — | — | | IRC | S | | | |
| 19363+3540 | STT377AB | 9.4 | 0.1 | 2008.596 | 213.0 | 0.929 | | IRC | 3Q-ly | | | |
| 19365+3540 | COU1942 | 10.5 | 0.7 | 2008.544 | 45.6 | 0.682 | | IRC | | | | |
| 19370+1927 | COU211 | 11.0 | 0.4 | 2008.596 | 305.2 | 0.849 | | IRC | | | | |
| 19371+4108 | COU2406 | 10.5 | 0.2 | 2008.631 | 2.1 | 0.839 | | IRC | 1Q-ly | | | |
| 19375+3413 | COU1802 | 9.7 | 4.3 | 2008.669 | 353.3: | 1.156: | | IRC | | | | |
| 19376+6344 | MLR56AB | 8.7 | −0.0 | 2008.648 | 213.0: | 0.100: | | IRC | | | | |
| 19377+3651 | COU2123 | 10.3 | −0.0 | 2008.546 | 328.4 | 0.446 | | IRC | | | | |
| 19388+1834 | COU212 | 9.5 | 2.8 | 2008.596 | 25.7 | 0.850 | | IRC | | | | |
| 19389+3514 | HU953 | 8.8 | 0.4 | 2008.544 | 23.3 | 0.250 | | IRC | | +48.9 | −0.068 | Pop2000a |
| 19389+5150 | BU656 | 8.8 | 0.9 | 2008.639 | 270.2 | 0.902 | | IRC | 4Q-ly | | | |
| 19393+5802 | MLR540 | 9.1 | 2.4 | 2008.648 | — | — | | IRC | S | | | |
| 19394+2215 | STF2556 | 7.7 | 1.2 | 2008.710 | 351.7 | 0.376 | | IRC | | −1.3 | +0.014 | Ari1999 |
| 19394+2215 | STF2556 | 7.7 | 1.2 | 2008.710 | 351.9 | 0.375 | 0.4 | IRC | dv | −1.1 | +0.013 | Ari1999 |
| 19394+3736 | COU2208 | 10.1 | 0.9 | 2008.664 | 127.7 | 1.029 | | IRC | | | | |
| 19399+4634 | COU2631 | 9.6 | −0.0 | 2008.631 | 228.5 | 0.237 | | IRC | 3Q-ly | | | |
| 19400+5545 | A1403 | 9.7 | 0.4 | 2008.648 | 352.8 | 0.165 | 0.1 | IRC | ly (ni) | | | |
| 19400+5545 | A1403 | 9.7 | 0.4 | 2008.648 | 355.5 | 0.174 | | IRC | | | | |
| 19402+2611 | A272AB | 9.8 | 0.7 | 2008.710 | 14.2 | 0.941 | | IRC | | | | |
| 19406+6240 | STF2574 | 8.9 | 1.2 | 2008.648 | 269.4 | 0.514 | | IRC | 3Q-ly | | | |
| 19408+4136 | COU2632 | 9.9 | −0.0 | 2008.563 | 172.3 | 0.155 | | IRC | | | | |
| 19411+5811 | A716 | 9.3 | 1.7 | 2008.648 | 279.0 | 0.449 | | IRC | 4Q-ly | | | |
| 19417+3103 | A371 | 9.2 | 1.2 | 2008.527 | 18.6 | 1.897 | | IRC | 1Q-ly | | | |
| 19419+2723 | STT382 | 7.3 | 0.2 | 2008.710 | 319.9 | 0.345 | 0.4 | IRC | dv (ni) | | | |
| 19419+2723 | STT382 | 7.3 | 0.2 | 2008.710 | 323.1 | 0.309 | | IRC | | | | |
| 19421+1533 | HU1305 | 10.1 | 0.1 | 2008.574 | 103.0 | 0.388 | | IRC | 2Q-ly | | | |
| 19423+4451 | COU2690 | 10.5 | 0.4 | 2008.664 | 127.2 | 0.628 | | IRC | | | | |
| 19429+4043 | STT383AB | 7.0 | 1.2 | 2008.664 | 15.6 | 0.815 | | IRC | 1Q-ly | | | |
| 19429+5501 | MLR579 | 9.8 | −0.0 | 2008.648 | — | — | | IRC | S: | | | |
| 19431+2854 | A372 | 9.4 | 0.9 | 2008.563 | — | — | | IRC | S | | | |
| 19432+2701 | BU1132 | 9.4 | 0.6 | 2008.587 | 30.7 | 0.563 | | IRC | | | | |
| 19438+2238 | BU657 | 9.8 | 0.7 | 2008.579 | 131.8 | 0.872 | | IRC | | | | |
| 19440+3702 | COU2282 | 10.8 | 0.1 | 2008.508 | 238.5 | 0.484 | | IRC | 3Q-ly | | | |
| 19447+4909 | COU2634 | 10.3 | 1.7 | 2008.639 | 43.7 | 1.409 | | IRC | | | | |
| 19457+4330 | A600 | 9.5 | 0.5 | 2008.563 | 55.4 | 0.346 | | IRC | 1Q-ly | | | |
| 19458+2710 | KUI95 | 12.7 | 0.9 | 2008.669 | 54.7 | 1.980 | | IRC | | +1.7 | −0.077 | Sod1999 |
| 19458+2710 | KUI95 | 12.7 | 0.9 | 2008.669 | 55.7 | 1.939 | 1.3 | IRC | ly | +2.7 | −0.118 | Sod1999 |
| 19459+3953 | A1404AB | 7.6 | 0.7 | 2008.538 | 100.2 | 0.235 | | IRC | 2Q-ly | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19463+1648 | HEI177 | 10.9 | 0.1 | 2008.574 | 208.3 | 0.407 | | IRC | | | | |
| 19463+1821 | HU344 | 10.3 | 1.6 | 2008.587 | 162.1 | 0.179 | | IRC | | | | |
| 19477+4451 | COU2691 | 10.3 | 0.7 | 2008.631 | 209.1 | 1.052 | | IRC | 3Q-ly | | | |
| 19479+2414 | DA10 | 8.6 | 0.8 | 2008.527 | 306.3 | 0.683 | | IRC | 4Q-ly | | | |
| 19483+3710 | STT386 | 8.5 | 0.1 | 2008.664 | 70.7 | 0.928 | | IRC | | | | |
| 19484+4113 | COU2527 | 10.5 | 0.2 | 2008.631 | 107.9 | 0.544 | | IRC | 2Q-ly | | | |
| 19484+4117 | COU2526 | 10.0 | −0.0 | 2008.631 | 232.8 | 0.248 | | IRC | 3Q-ly | | | |
| 19487+3519 | STT387 | 7.1 | 0.8 | 2008.664 | 125.1 | 0.536 | | IRC | 2Q-ly | −0.7 | −0.015 | Wsi2006b |
| 19489+3202 | A375 | 9.8 | 0.0 | 2008.664 | 338.5 | 1.178 | | IRC | | | | |
| 19490+4423 | A718BC | 8.2 | 0.5 | 2008.664 | 26.1 | 0.220 | | IRC | | | | |
| 19493+7409 | MLR227 | 9.7 | 0.2 | 2008.656 | 76.0 | 0.169: | 0.5 | IRC | ly (ni) | | | |
| 19493+7409 | MLR227 | 9.7 | 0.2 | 2008.656 | 77.4 | 0.232 | | IRC | | | | |
| 19496+1241 | A1659 | 10.3 | −0.0 | 2008.574 | — | — | | IRC | NR | | | |
| 19496+1707 | HU346 | 9.3 | 0.7 | 2008.579 | 8.1 | 0.541 | | IRC | | | | |
| 19496+1707 | HU346 | 9.3 | 0.7 | 2008.710 | 10.3 | 0.545 | | IRC | | | | |
| 19503+3127 | COU1468 | 10.2 | 0.0 | 2008.710 | 148.4 | 0.769 | | IRC | | | | |
| 19506+3715 | COU2285 | 10.3 | 1.3 | 2008.669 | 66.8 | 1.461 | 1.9 | IRC | ly (ni) | | | |
| 19507+4851 | HU684 | 9.4 | −0.0 | 2008.639 | 236.4: | 0.101: | | IRC | | | | |
| 19514+4044 | COU2530 | 8.9 | 0.5 | 2008.631 | — | — | | IRC | S | | | |
| 19517+4003 | COU2531 | 9.4 | −0.0 | 2008.669 | — | — | | IRC | S | | | |
| 19529+1425 | A1660AB-C | 9.7 | 0.1 | 2008.579 | 22.2 | 0.659 | | IRC | | | | |
| 19530+6352 | HU954 | 9.4 | 0.1 | 2008.648 | 197.2 | 0.161 | | IRC | | | | |
| 19530+6352 | HU954 | 9.4 | 0.1 | 2008.648 | 213.6: | 0.148: | 0.3 | IRC | ly (ni) | | | |
| 19532+4238 | COU2635 | 8.5 | 1.9 | 2008.664 | 158.2 | 0.550 | | IRC | 2Q-ly | | | |
| 19532+6233 | MLR12 | 8.9 | 0.2 | 2008.648 | 221.7 | 0.689 | | IRC | 3Q-ly | | | |
| 19533+3418 | COU1624 | 10.8 | 2.5 | 2008.508 | 336.5 | 1.032 | | IRC | 4Q-ly | | | |
| 19537+3305 | COU1625 | 10.2 | 1.3 | 2008.710 | 1.5 | 1.595 | | IRC | | | | |
| 19539+3257 | COU1626 | 10.0 | 0.4 | 2008.527 | — | — | | IRC | S | | | |
| 19540+2616 | COU1321 | 10.5 | −0.0 | 2008.527 | — | — | | IRC | S | | | |
| 19540+2616 | COU1321 | 10.5 | −0.0 | 2008.587 | 139.2: | 0.219: | | IRC | | | | |
| 19549+5049 | HU687 | 8.5 | 0.1 | 2008.639 | 26.9 | 0.196 | | IRC | | −5.6 | +0.031 | Doc1994d |
| 19558+3604 | HU1306 | 10.2 | 0.0 | 2008.596 | 29.1 | 0.596 | | IRC | | | | |
| 19559+2500 | COU1037 | 9.6 | −0.0 | 2008.587 | 160.9: | 0.101: | | IRC | | | | |
| 19568+2718 | COU1165 | 10.0 | 1.7 | 2008.596 | 74.5 | 0.904 | | IRC | | | | |
| 19571+4939 | HDS2839 | 8.6 | 2.8 | 2008.639 | 80.3 | 0.591 | | IRC | 1Q-ly | | | |
| 19577+5118 | HU689 | 8.6 | 0.4 | 2008.639 | — | — | | IRC | S | | | |
| 19583+2218 | A2791 | 9.3 | 3.0 | 2008.574 | 134.0 | 0.450 | 1.6 | IRC | 2Q-ly | | | |
| 19592+3724 | COU2412 | 10.3 | −0.0 | 2008.664 | 72.7 | 0.421 | | IRC | | | | |
| 19592+4233 | COU2636 | 10.0 | 0.2 | 2008.669 | 23.4 | 0.988 | | IRC | 1Q-ly | | | |
| 19593+2237 | COU519 | 10.6 | 0.1 | 2008.579 | 71.3 | 0.475 | | IRC | | | | |
| 19594+2636 | A276 | 9.7 | 2.2 | 2008.596 | 329.5 | 0.993 | | IRC | 4Q-ly | | | |
| 19594+3029 | COU1471 | 10.9 | 0.5 | 2008.710 | 167.8 | 0.448 | | IRC | | | | |
| 19597+2830 | COU1166 | 10.5 | 0.1 | 2008.527 | 178.3 | 0.775 | | IRC | 2Q-ly | | | |
| 20005+1317 | A1664 | 10.3 | 0.3 | 2008.579 | 65.5 | 0.593 | | IRC | | | | |
| 20012+4821 | A720 | 10.4 | 0.1 | 2008.639 | 95.7 | 0.469 | | IRC | | | | |
| 20012+4821 | A720 | 10.4 | 0.1 | 2008.639 | 96.3 | 0.472 | 0.2 | IRC | ly (ni) | | | |
| 20014+6217 | MLR13 | 9.0 | 0.9 | 2008.648 | 51.3 | 0.250 | | IRC | | | | |
| 20025+5437 | MLR580 | 8.2 | 4.3 | 2008.639 | 159.0 | 0.563 | | IRC | 2Q-ly | | | |
| 20026+2006 | HU353 | 10.3 | 0.1 | 2008.538 | 0.9 | 0.544 | 1.0 | IRC | ly (ni) | | | |
| 20035+3837 | COU2533 | 10.9 | 0.5 | 2008.669 | 101.8 | 0.983 | | IRC | 2Q-ly | | | |
| 20037+3209 | COU1628 | 10.1 | 1.1 | 2008.538 | 342.6 | 1.103 | | IRC | 4Q-ly | | | |
| 20041+3957 | COU2534 | 10.0 | −0.0 | 2008.664 | 2.6 | 0.212 | | IRC | | | | |
| 20043+3033 | STF2626 | 8.8 | 0.2 | 2008.710 | 128.1 | 0.985 | 0.6 | IRC | dv (ni) | | | |
| 20051+3814 | COU2213 | 9.7 | 0.7 | 2008.669 | 151.9 | 1.370 | | IRC | 2Q-ly | | | |
| 20052+4044 | A381 | 9.8 | 0.2 | 2008.631 | 277.4 | 0.774 | 1.5 | IRC | 4Q-ly | | | |
| 20053+3307 | COU1806 | 10.6 | 0.0 | 2008.710 | 107.8 | 1.161 | | IRC | 2Q-dv | | | |
| 20056+3746 | A1414 | 10.1 | 0.6 | 2008.546 | 34.3 | 0.273 | | IRC | 1Q-ly | | | |
| 20073+4811 | HDS2867 | 8.1 | 1.1 | 2008.631 | 119.9 | 0.353 | | IRC | 2Q-ly | | | |
| 20078+2646 | A279 | 9.0 | 5.2 | 2008.587 | 31.2 | 1.481 | | IRC | 1Q-ly | | | |
| 20079+1621 | HEI76 | 10.1 | −0.0 | 2008.574 | — | — | | IRC | S | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20080+4204 | A383 | 10.4 | 0.1 | 2008.546 | 7.3 | 0.353 | | IRC | | | | |
| 20082+6109 | MLR502 | 9.1 | −0.0 | 2008.648 | — | — | | IRC | S | | | |
| 20087+5320 | A1417 | 8.2 | 2.8 | 2008.639 | 170.4 | 0.634 | | IRC | 2Q-ly | | | |
| 20096+4009 | COU2414 | 9.5 | −0.0 | 2008.546 | 155.2 | 0.295 | | IRC | | | | |
| 20096+4009 | COU2414 | 9.5 | −0.0 | 2008.546 | 159.0 | 0.309 | 0.5 | IRC | ly (ni) | | | |
| 20098+3629 | COU2413 | 10.2 | 0.2 | 2008.689 | 92.4 | 0.847 | | IRC | | | | |
| 20104+2439 | A384 | 9.9 | 0.9 | 2008.710 | 357.0 | 1.319 | | IRC | | | | |
| 20107+4208 | COU2637 | 10.0 | 3.0 | 2008.631 | 118.1 | 0.553 | | IRC | 2Q-ly | | | |
| 20110+2834 | COU1323 | 10.4 | 0.0 | 2008.689 | 154.2 | 0.817 | | IRC | | | | |
| 20110+2834 | COU1323 | 10.4 | 0.0 | 2008.710 | 153.3 | 0.808 | | IRC | | | | |
| 20110+2834 | COU1323 | 10.4 | 0.0 | 2008.710 | 153.5 | 0.786: | 0.1: | IRC | dv (ni) | | | |
| 20114+2217 | COU217AB | 10.4 | 1.0 | 2008.538 | 168.9: | 1.590 | | IRC | AC = S | | | |
| 20124+5354 | HDS2880 | 8.6 | 0.9 | 2008.639 | — | — | | IRC | S ly (ni) | | | |
| 20130+4433 | A723 | 8.4 | 2.0 | 2008.631 | — | — | | IRC | S | | | |
| 20133+4214 | COU2638 | 9.8 | 2.7 | 2008.669 | 48.0 | 1.804 | | IRC | 1Q-ly | | | |
| 20141+3706 | A1419 | 9.8 | 2.0 | 2008.527 | 30.1 | 0.460 | | IRC | 1Q-ly | | | |
| 20143+3657 | A1420 | 9.9 | 0.2 | 2008.527 | 67.7 | 0.570 | 0.1 | IRC | ly (ni) | | | |
| 20143+3657 | A1420 | 9.9 | 0.2 | 2008.527 | 68.2 | 0.564 | | IRC | | | | |
| 20143+4115 | COU2639 | 11.0 | 0.1 | 2008.546 | 64.0 | 0.445 | | IRC | | | | |
| 20144+3129 | A1204 | 9.5 | 0.0 | 2008.527 | 319.5 | 0.359 | | IRC | | | | |
| 20144+3129 | A1204 | 9.5 | 0.0 | 2008.710 | 323.1 | 0.369 | 0.1 | IRC | 4Q-dv | | | |
| 20144+3501 | COU2216 | 10.7 | 0.2 | 2008.664 | 206.6 | 0.539 | | IRC | 3Q-ly | | | |
| 20151+4249 | A388 | 10.4 | 0.2 | 2008.631 | 33.9 | 0.684 | | IRC | | | | |
| 20153+3316 | COU1808 | 10.1 | 0.8 | 2008.689 | 207.8 | 1.115 | | IRC | 3Q-ly | | | |
| 20153+3316 | COU1808 | 10.1 | 0.8 | 2008.710 | 208.3 | 1.110 | | IRC | | | | |
| 20153+3316 | COU1808 | 10.1 | 0.8 | 2008.710 | 208.4 | 1.080: | 0.6 | IRC | dv (ni) | | | |
| 20154+6412 | MLR60AB | 8.7 | −0.0 | 2008.648 | 173.2 | 0.249 | | IRC | | −79.1 | +0.172 | Sey2002 |
| 20157+4339 | A2095AB | 8.9 | −0.0 | 2008.664 | 335.9 | 0.267 | | IRC | 4Q-ly | +8.7 | +0.023 | Lin2004a |
| 20157+4339 | A2095AB | 8.9 | −0.0 | 2008.664 | 334.1 | 0.269 | 0.5 | IRC | ly (ni) | +6.9 | +0.025 | Lin2004a |
| 20157+4339 | STF2659AB-C | 8.9 | −0.0 | 2008.664 | 314.1 | 3.014 | 1.8 | IRC | ly (ni) | | | |
| 20167+3629 | COU2417 | 10.1 | 0.8 | 2008.538 | 348.9 | 0.799 | | IRC | 4Q-ly | | | |
| 20169+3235 | A284 | 9.9 | 0.2 | 2008.689 | 72.3 | 0.448 | | IRC | | | | |
| 20169+3235 | A284 | 9.9 | 0.2 | 2008.710 | 65.5 | 0.431 | | IRC | | | | |
| 20177+3914 | COU2536 | 9.7 | 1.8 | 2008.593 | 312.2 | 1.771 | | IRC | 4Q-ly | | | |
| 20182+2912 | A1205 | 9.2 | 0.9 | 2008.538 | 94.8 | 1.130 | | IRC | 2Q-ly | −2.9 | −0.014 | Wsi2006b |
| 20184+3950 | A1424 | 9.3 | 3.3 | 2008.669 | 45.8 | 1.086 | | IRC | 1Q-ly | | | |
| 20188+4244 | HO124 | 9.1 | 0.9 | 2008.664 | 356.4 | 0.934 | | IRC | 4Q-ly | | | |
| 20189+3945 | COU2537 | 10.1 | 0.2 | 2008.546 | 293.7 | 0.779 | | IRC | 4Q-ly | | | |
| 20191+2915 | COU1477 | 10.8 | 0.0 | 2008.587 | 97.6 | 0.593 | | IRC | | | | |
| 20191+2915 | COU1477 | 10.8 | 0.0 | 2008.710 | 96.0 | 0.611 | | IRC | | | | |
| 20196+2956 | A1207 | 10.6 | 0.1 | 2008.710 | 351.9 | 0.601 | 0.4 | IRC | dv (ni) | | | |
| 20200+3616 | BU431 | 9.0 | 0.3 | 2008.538 | 205.8 | 0.521 | | IRC | 3Q-ly | | | |
| 20207+3512 | COU2218 | 10.0 | −0.0 | 2008.664 | 81.8 | 0.181 | | IRC | 1Q-ly | | | |
| 20210+4437 | A725 | 9.5 | 0.8 | 2008.631 | 18.0 | 0.680 | | IRC | 1Q-ly | −1.9 | +0.018 | Hrt2009 |
| 20217+7345 | A870 | 10.1 | 1.2 | 2008.656 | 189.5: | 0.110: | 1.7: | IRC | 3Q-ly | | | |
| 20217+7345 | A870 | 10.1 | 1.2 | 2008.656 | 195.5: | 0.106: | 0.3 | IRC | ly (ni) | | | |
| 20225+4613 | A726 | 9.2 | 0.5 | 2008.639 | 278.0 | 0.526 | | IRC | 4Q-ly | | | |
| 20231+3342 | COU1949 | 10.0 | −0.0 | 2008.669 | 80.8 | 0.198 | | IRC | 1Q-ly | | | |
| 20231+3342 | COU1949 | 10.0 | −0.0 | 2008.669 | 83.2 | 0.175 | 0.1 | IRC | ly (ni) | | | |
| 20232+5946 | MLR432 | 9.3 | 0.5 | 2008.648 | 9.5 | 0.190 | | IRC | | | | |
| 20233+4807 | A727 | 10.3 | 0.3 | 2008.639 | 59.5 | 0.892 | | IRC | 1Q-ly | | | |
| 20239+5232 | A1428 | 8.7 | 0.7 | 2008.639 | 25.3 | 0.331 | | IRC | | | | |
| 20243+1909 | HU361 | 8.9 | 3.8 | 2008.587 | 17.6 | 0.630 | | IRC | | | | |
| 20244+1213 | WOR33Aa | 8.6 | 0.7 | 2008.579 | — | — | | IRC | S | | | |
| 20246+5527 | MLR588 | 7.9 | 0.4 | 2008.648 | 235.4 | 0.270 | | IRC | 3Q-ly | | | |
| 20248+2511 | COU521 | 7.5 | 3.1 | 2008.689 | 102.5 | 0.518 | | IRC | | | | |
| 20251+6118 | MLR503 | 8.5 | 0.7 | 2008.648 | 183.2 | 0.197 | | IRC | | | | |
| 20252+6001 | MLR433 | 7.6 | 2.1 | 2008.648 | 159.9 | 0.247 | 0.3 | IRC | ly (ni) | | | |
| 20252+6001 | MLR433 | 7.6 | 2.1 | 2008.648 | 160.1 | 0.260 | | IRC | | | | |
| 20253+4355 | A291AB | 9.9 | 0.6 | 2008.664 | 327.4 | 0.777 | | IRC | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20254+4014 | MLR1 | 9.5 | 0.6 | 2008.631 | 208.7 | 0.389 | | IRC | 3Q-ly | | | |
| 20254+4014 | MLR1 | 9.5 | 0.6 | 2008.631 | 210.4 | 0.380 | | IRC | 3Q-ly | | | |
| 20254+4129 | COU2642 | 10.4 | 0.1 | 2008.631 | 317.9 | 0.715 | | IRC | 4Q-ly | | | |
| 20257+5508 | A1429 | 8.6 | 0.8 | 2008.779 | 187.0 | 0.640 | | AF | 3Q-dv | | | |
| 20265+3331 | COU1954 | 10.6 | 0.3 | 2008.669 | — | — | | IRC | S | | | |
| 20274+7245 | A871 | 9.4 | 0.2 | 2008.656 | 184.0 | 0.325 | | IRC | | −34.3 | +0.129 | Hei1998 |
| 20278+3447 | COU2131 | 10.2 | 0.0 | 2008.538 | 279.8 | 1.052 | | IRC | 4Q-ly | | | |
| 20281+3353 | COU1956 | 7.1 | 2.4 | 2008.669 | 239.1 | 0.402 | | IRC | 3Q-ly | | | |
| 20282+7333 | MLR233 | 10.7 | 0.6 | 2008.656 | 85.9 | 1.144 | | IRC | 1Q-ly | | | |
| 20284+2728 | COU725 | 10.5 | 0.2 | 2008.587 | 59.3 | 0.506 | | IRC | | | | |
| 20284+6015 | A733 | 8.8 | 1.0 | 2008.779 | 169.3 | 1.056 | | AF | | | | |
| 20284+6015 | A733 | 8.8 | 1.0 | 2008.779 | 169.5 | 1.044 | 1.2 | AF | dv (ni) | | | |
| 20288+3628 | COU1958 | 10.3 | 0.2 | 2008.538 | 105.4 | 0.515 | | IRC | 2Q-ly | | | |
| 20290+3535 | COU1959 | 9.7 | −0.0 | 2008.546 | 319.6 | 0.348 | | IRC | 4Q-ly | | | |
| 20296+6648 | MLR67 | 10.6 | 0.1 | 2008.656 | 68.7 | 0.575 | | IRC | | | | |
| 20302+2651 | WOR9AB | 10.5 | 0.1 | 2008.587 | 257.8 | 0.515 | 0.2 | IRC | 3Q-ly | +0.2 | +0.023 | Zir2003 |
| 20306+3525 | COU1961 | 10.8 | 0.1 | 2008.596 | 25.8: | 0.393: | | IRC | | | | |
| 20306+3525 | COU1961 | 10.8 | 0.1 | 2008.596 | 28.5: | 0.455: | | IRC | | | | |
| 20308+6107 | HU761 | 9.4 | 0.2 | 2008.648 | 307.8 | 0.509 | 1.7 | IRC | ly (ni) | | | |
| 20308+6107 | HU761 | 9.4 | 0.2 | 2008.648 | 308.1 | 0.533 | | IRC | 4Q-ly | | | |
| 20311+3333 | COU1962 | 9.0 | 0.5 | 2008.546 | 97.4 | 0.203: | | IRC | | +1.5 | +0.050 | Doc2006h |
| 20312+5714 | A872 | 9.9 | 0.4 | 2008.648 | 181.6 | 0.227 | | IRC | 3Q-ly | | | |
| 20317+6228 | BU671 | 8.0 | 1.2 | 2008.648 | 315.8 | 0.435 | | IRC | 4Q-ly | | | |
| 20322+4648 | A736 | 9.7 | 0.8 | 2008.631 | 349.0 | 0.610 | | IRC | 4Q-ly | | | |
| 20328+4418 | COU2645 | 10.2 | −0.0 | 2008.631 | 300.1 | 0.177 | | IRC | 4Q-ly | | | |
| 20329+1357 | BU670AB | 9.4 | 0.4 | 2008.579 | 6.1 | 0.808 | | IRC | 1Q-ly | | | |
| 20331+6109 | MLR504 | 8.9 | 4.0 | 2008.648 | 18.4 | 0.913 | | IRC | | | | |
| 20338+4540 | A740 | 9.6 | 0.3 | 2008.639 | 311.1 | 0.811 | | IRC | 4Q-ly | | | |
| 20348+1726 | COU223 | 10.2 | 0.1 | 2008.579 | 154.8 | 0.371: | | IRC | | | | |
| 20353+7030 | A873 | 9.6 | 0.5 | 2008.656 | 68.2 | 0.279 | | IRC | | | | |
| 20356+5808 | A741AB | 8.6 | 3.3 | 2008.779 | 156.7 | 1.238 | | AF | 2Q-dv | | | |
| 20367+5053 | HEI879Aa | 8.4 | 0.8 | 2008.631 | 140.4: | 0.111: | | IRC | | | | |
| 20367+5053 | HEI879Aa | 8.4 | 0.8 | 2008.639 | 136.7: | 0.134: | 0.0 | IRC | ly (ni) | | | |
| 20369+6034 | MLR505 | 10.2 | 0.3 | 2008.656 | 143.4 | 0.566 | | IRC | 2Q-ly | | | |
| 20373+2703 | TDS1086 | 10.8 | 0.4 | 2008.593 | 133.2 | 1.512 | | IRC | | | | |
| 20378+2943 | A742BC | 10.4 | 0.5 | 2008.689 | 131.6 | 1.182 | | IRC | 2Q-ly | | | |
| 20379+4757 | HDS2944Ca | 8.8 | 3.6 | 2008.639 | 28.5 | 0.411: | | IRC | 1Q-ly | | | |
| 20379+4757 | HDS2944Ca | 8.8 | 3.6 | 2008.639 | 29.4 | 0.3743.3 | | IRC | ly (ni) | | | |
| 20385+2945 | COU1172 | 11.0 | 0.1 | 2008.710 | 96.1 | 0.480 | | IRC | | | | |
| 20394+4318 | COU2539 | 10.5 | 0.5 | 2008.631 | 64.9 | 0.290 | | IRC | 1Q-ly | | | |
| 20397+4734 | A747AB | 8.7 | 0.3 | 2008.639 | 102.4 | 0.314 | | IRC | 2Q-ly | | | |
| 20405+4343 | COU2540 | 10.0 | 0.8 | 2008.563 | — | — | | IRC | S | | | |
| 20405+4343 | COU2540 | 10.0 | 0.8 | 2008.669 | 117.1 | 0.388 | | IRC | 2Q-ly | | | |
| 20406+2948 | HO137 | 6.1 | 3.1 | 2008.689 | 352.2 | 0.750 | | IRC | 4Q-ly | | | |
| 20406+2948 | HO137 | 6.1 | 3.1 | 2008.710 | 352.1 | 0.715 | 2.4 | IRC | dv (ni) | | | |
| 20413+4051 | COU2419 | 10.6 | 0.8 | 2008.563 | 66.6 | 1.008 | | IRC | 1Q-ly | | | |
| 20416+3950 | COU2290 | 10.9 | 0.1 | 2008.538 | — | — | | IRC | S | | | |
| 20416+4424 | COU2541 | 9.7 | 0.7 | 2008.669 | 25.4 | 0.438 | | IRC | 1Q-ly | | | |
| 20419+1419 | HU1199 | 8.3 | 2.5 | 2008.579 | 69.1 | 0.670 | | IRC | | | | |
| 20419+1931 | COU226AB | 8.0 | 0.3 | 2008.587 | 34.1 | 0.353 | | IRC | | | | |
| 20419+1931 | COU226AC | 8.0 | 0.3 | 2008.587 | 335.6 | 9.129 | 2.7 | IRC | ly (ni) | | | |
| 20420+4015 | A1433 | 9.8 | 0.5 | 2008.669 | 22.7 | 0.790 | | IRC | 1Q-ly | | | |
| 20423+5723 | BU152 | 7.2 | 1.6 | 2008.779 | 82.9 | 1.153 | | AF | 1Q-dv | | | |
| 20427+5238 | A1683 | 8.5 | 0.7 | 2008.639 | 208.6: | 0.129: | 0.2 | IRC | ly (ni) | | | |
| 20432+4026 | COU2421 | 9.9 | 0.7 | 2008.669 | 106.5 | 0.340 | | IRC | 2Q-ly | | | |
| 20437+3727 | COU2291 | 10.5 | 0.7 | 2008.596 | 224.1 | 0.927 | | IRC | 3Q-ly | | | |
| 20437+3727 | COU2291 | 10.5 | 0.7 | 2008.689 | 226.6 | 0.977 | | IRC | | | | |
| 20442+3404 | TDT2507 | 11.6 | 0.0 | 2008.546 | — | — | | IRC | S | | | |
| 20444+2558 | COU726 | 10.9 | 0.3 | 2008.710 | 90.0 | 1.205 | | IRC | | | | |
| 20444+4103 | COU2423 | 9.9 | 0.2 | 2008.546 | 179.9 | 0.254 | | IRC | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20444+5253 | MLR643 | 9.5 | 0.4 | 2008.639 | 126.9 | 0.327 | | IRC | 2Q-ly | | | |
| 20450+1244 | BU64AB | 9.1 | 0.6 | 2008.579 | 349.8 | 0.662 | | IRC | | −3.2 | +0.006 | Bld2007a |
| 20454+7000 | MLR93 | 9.8 | −0.0 | 2008.656 | 209.6: | 0.084: | | IRC | ly (ni) | | | |
| 20466+5951 | MLR236 | 8.6 | 3.0 | 2008.779 | 38.0 | 1.526 | | AF | 1Q-dv | | | |
| 20471+2525 | BU364 | 9.1 | 0.1 | 2008.710 | 250.3 | 0.766 | 0.1 | IRC | dv (ni) | | | |
| 20472+4427 | COU2424 | 10.6 | 0.1 | 2008.563 | 254.6 | 0.486 | | IRC | 3Q-ly | | | |
| 20473+4345 | COU2425 | 10.0 | −0.0 | 2008.563 | 231.4 | 0.260 | | IRC | | | | |
| 20480+3917 | A1434AB | 7.8 | −0.0 | 2008.596 | — | — | | IRC | S | | | |
| 20483+5815 | MLR360 | 9.0 | 0.6 | 2008.648 | — | — | | IRC | S | | | |
| 20485+1854 | HO459 | 10.5 | 0.4 | 2008.587 | 22.6 | 0.435 | | IRC | | | | |
| 20485+7429 | MLR238 | 8.9 | −0.0 | 2008.656 | — | — | | IRC | S | | | |
| 20492+4525 | COU2646Aa | 10.5 | 0.4 | 2008.639 | 263.0 | 0.372 | | IRC | 3Q-ly | | | |
| 20501+1707 | HEI183 | 10.6 | 0.0 | 2008.579 | 25.1 | 0.551 | | IRC | | | | |
| 20503+5937 | MLR239 | 10.9 | 0.4 | 2008.779 | 285.1 | 0.848 | | AF | 4Q-dv | | | |
| 20503+5937 | MLR239 | 10.9 | 0.4 | 2008.820 | 290.3 | 0.899 | 2.4 | AF | 4Q-ly | | | |
| 20503+5937 | MLR239 | 10.9 | 0.4 | 2008.820 | 291.4 | 0.890 | | AF | | | | |
| 20509+5918 | MLR240 | 9.3 | 0.2 | 2008.648 | 22.3 | 0.244 | | IRC | | | | |
| 20510+4125 | COU2427 | 10.1 | 0.1 | 2008.669 | 310.6 | 0.448 | | IRC | 4Q-ly | | | |
| 20526+3655 | A1435 | 9.5 | 0.4 | 2008.546 | 359.7 | 0.400 | | IRC | 4Q-ly | | | |
| 20527+4607 | A750 | 9.1 | 1.2 | 2008.631 | 222.5 | 0.256 | | IRC | 3Q-ly | −11.1 | +0.006 | Hei1986b |
| 20527+4607 | A750 | 9.1 | 1.2 | 2008.639 | 218.8 | 0.244 | | IRC | 3Q-ly | −14.8 | −0.006 | Hei1986b |
| 20535+2630 | COU1177 | 10.3 | 0.1 | 2008.587 | 9.8 | 0.243 | | IRC | | | | |
| 20537+5918 | A751 | 7.7 | 0.3 | 2008.648 | 50.2 | 0.169 | | IRC | | −16.5 | −0.010 | Hrt1989 |
| 20544+6957 | A1216CD | 10.4 | 1.0 | 2008.656 | 80.5 | 0.886 | | IRC | | | | |
| 20547+2516 | COU830 | 10.5 | 0.5 | 2008.689 | 349.2 | 1.002 | | IRC | | | | |
| 20547+2516 | COU830 | 10.5 | 0.5 | 2008.710 | 350.4 | 1.121 | | IRC | | | | |
| 20551+2808 | COU831 | 10.3 | 1.6 | 2008.710 | 291.1 | 1.355 | | IRC | 4Q-dv | | | |
| 20553+5651 | A752 | 9.4 | 1.0 | 2008.779 | 9.3 | 1.195 | 1.0 | AF | dv (ni) | | | |
| 20553+5651 | A752 | 9.4 | 1.0 | 2008.779 | 9.8 | 1.193 | | AF | | | | |
| 20559+5906 | A754 | 9.3 | 0.7 | 2008.648 | 2.4 | 0.929 | | IRC | 1Q-ly | | | |
| 20564+4308 | COU2544 | 9.0 | 0.9 | 2008.563 | 157.1 | 0.336 | | IRC | 2Q-ly | | | |
| 20567+5656 | A755 | 8.7 | 0.1 | 2008.648 | 8.6: | 0.138: | | IRC | | | | |
| 20567+6237 | HDS2983 | 9.9 | 2.4 | 2008.648 | — | — | | IRC | NR | | | |
| 20577+1402 | A1685AB | 10.1 | 0.3 | 2008.579 | 85.0 | 0.721 | | IRC | | | | |
| 20577+5849 | A756AB | 8.3 | 0.9 | 2008.779 | 211.4 | 0.537 | | AF | 3Q-dv | | | |
| 20579+4442 | COU2649 | 10.7 | 0.0 | 2008.563 | 137.6 | 0.535 | | IRC | | | | |
| 20579+4442 | COU2649 | 10.7 | 0.0 | 2008.669 | 141.2 | 0.549 | | IRC | | | | |
| 20581+4043 | COU2430 | 9.5 | 0.6 | 2008.664 | 251.9 | 0.387 | | IRC | 3Q-ly | | | |
| 20582+1038 | A1215 | 9.0 | 0.7 | 2008.579 | 205.3 | 0.438 | | IRC | | | | |
| 20584+2619 | HDS2990 | 9.9 | 0.8 | 2008.596 | — | — | | IRC | S | | | |
| 20587+1823 | HU363 | 10.4 | 0.3 | 2008.596 | 98.7 | 0.779 | | IRC | | | | |
| 20587+1823 | HU363 | 10.4 | 0.3 | 2008.710 | 100.5 | 0.799 | | IRC | 2Q-dv | | | |
| 20593+3155 | COU1178 | 10.9 | 0.6 | 2008.689 | 16.5 | 1.215 | | IRC | 1Q-ly | | | |
| 20594+3626 | HU764 | 8.2 | 1.7 | 2008.563 | 190.3 | 0.380 | | IRC | | | | |
| 20598+6152 | BU472 | 8.8 | 0.0 | 2008.656 | 12.2 | 0.772 | | IRC | | | | |
| 21000+4004 | KUI103 | 10.5 | 1.9 | 2008.538 | 337.6 | 0.355 | | IRC | 4Q-ly | +1.2 | −0.023 | Gii2009 |
| 21000+4004 | KUI103 | 10.5 | 1.9 | 2008.538 | 338.4 | 0.333 | 1.7 | IRC | (ni) | 2.0 | −0.045 | Gii2009 |
| 21000+4004 | KUI103 | 10.5 | 1.9 | 2008.664 | 338.1 | 0.365 | | IRC | 4Q-ly | −1.6 | −0.020 | Gii2009 |
| 21004+3022 | COU1179 | 10.5 | 0.2 | 2008.538 | 355.6 | 0.868 | | IRC | 4Q-ly | | | |
| 21004+3022 | COU1179 | 10.5 | 0.2 | 2008.689 | 357.3 | 0.889 | | IRC | 4Q-ly | | | |
| 21004+3022 | COU1179 | 10.5 | 0.2 | 2008.710 | 357.8 | 0.802 | | IRC | 4Q-dv | | | |
| 21004+3411 | BU1329AB | 8.9 | 0.2 | 2008.538 | 218.3 | 0.330 | | IRC | | | | |
| 21004+3411 | BU1329AB | 8.9 | 0.2 | 2008.538 | 229.2 | 0.337 | 0.8 | IRC | ly (ni) | | | |
| 21009+5929 | MLR241 | 10.4 | 0.1 | 2008.765 | 173.0 | 0.917 | | AF | 2Q-dv | | | |
| 21010+3959 | A1438 | 8.1 | 1.3 | 2008.538 | 71.8 | 0.311 | | IRC | | | | |
| 21015+6643 | HU959 | 8.6 | 1.0 | 2008.779 | 161.3 | 1.275 | | AF | 2Q-dv | | | |
| 21022+1426 | A1688 | 9.3 | 0.1 | 2008.579 | 64.4 | 0.326 | | IRC | | | | |
| 21025+2958 | COU1181 | 11.0 | 1.0 | 2008.689 | 218.4 | 0.856 | 1.6 | IRC | ly (ni) | | | |
| 21025+2958 | COU1181 | 11.0 | 1.0 | 2008.710 | 214.2: | 0.826 | | IRC | 3Q-dv | | | |
| 21026+3041 | COU1182 | 8.6 | 3.9 | 2008.710 | 0.4 | 1.341 | | IRC | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21035+5925 | MLR243 | 9.2 | 1.8 | 2008.648 | 212.2 | 0.223 | | IRC | 3Q-ly | | | |
| 21040+4225 | COU2433 | 10.0 | −0.0 | 2008.563 | 46.5 | 0.369 | | IRC | | | | |
| 21047+4902 | HU590 | 8.6 | 0.5 | 2008.639 | 81.8 | 0.193 | | IRC | | | | |
| 21050+4021 | COU2135 | 9.0 | 0.3 | 2008.546 | 357.3 | 0.222 | | IRC | | | | |
| 21050+4125 | COU2298 | 10.2 | 0.7 | 2008.664 | 144.8 | 0.950 | | IRC | 2Q-ly | | | |
| 21055+6210 | HU765BC | 9.3 | 0.3 | 2008.656 | 27.3 | 0.788 | | IRC | | | | |
| 21056+6030 | A758AB | 9.9 | 0.9 | 2008.656 | 124.0 | 0.360 | | IRC | 2Q-ly | −13.6 | +0.135 | Hei1998 |
| 21061+4001 | COU2224 | 10.0 | −0.0 | 2008.563 | — | — | | IRC | S | | | |
| 21063+2251 | A2798 | 9.4 | 3.0 | 2008.587 | 135.1 | 1.771 | | IRC | 2Q-ly | | | |
| 21065+4823 | BU836CD | 10.5 | 1.0 | 2008.639 | 60.5 | 1.358 | | IRC | 1Q-ly | | | |
| 21066+3309 | COU1329 | 11.0 | −0.0 | 2008.710 | 265.7 | 1.226 | 0.1 | IRC | dv (ni) | | | |
| 21074+3444 | COU1814 | 11.2 | 0.1 | 2008.546 | 11.4 | 0.305 | | IRC | | | | |
| 21076+6214 | HU766 | 8.9 | 1.6 | 2008.648 | 340.6 | 0.291: | 1.9 | IRC | 4Q-ly | | | |
| 21076+6304 | MLR14 | 8.4 | 3.1 | 2008.656 | 336.2 | 1.456 | | IRC | 4Q-ly | | | |
| 21077+6149 | MLR506 | 11.5 | 0.6 | 2008.765 | 143.1 | 1.105 | | AF | 2Q-dv | | | |
| 21091+6623 | MLR68 | 10.7 | 0.1 | 2008.656 | 98.4 | 0.764 | | IRC | | | | |
| 21097+4820 | COU2545 | 10.7 | 0.0 | 2008.639 | 69.6 | 0.651 | | IRC | | | | |
| 21099+4013 | COU1968 | 9.5 | −0.0 | 2008.546 | 101.8 | 0.205 | | IRC | | | | |
| 21112+3332 | VKI48 | 12.0 | 0.9 | 2008.546 | 307.0 | 1.507 | | IRC | 4Q-ly | | | |
| 21112+3925 | COU1969 | 9.7 | −0.0 | 2008.538 | 218.7 | 0.283 | | IRC | 3Q-ly | | | |
| 21113+3646 | COU1970 | 10.8 | 0.0 | 2008.538 | 105.1 | 0.575 | | IRC | 2Q-ly | | | |
| 21114+5737 | MLR590 | 8.2 | 1.5 | 2008.648 | 187.1 | 0.173 | | IRC | | | | |
| 21115+2144 | COU227 | 10.1 | 1.7 | 2008.579 | 110.4: | 0.497: | | IRC | | −65.9 | +0.339 | Cou1999b |
| 21115+2144 | COU227 | 10.1 | 1.7 | 2008.587 | 107.3 | 0.538 | | IRC | 2Q-ly | −69.2 | +0.380 | Cou1999b |
| 21124+3810 | COU1971 | 10.0 | 3.0 | 2008.689 | 279.2 | 0.596 | | IRC | 4Q-ly | | | |
| 21125+2821 | HO152 | 8.9 | 0.5 | 2008.587 | 137.8 | 0.210 | | IRC | | +7.3 | −0.060 | Sca2002a |
| 21126+3846 | COU2136 | 9.5 | 0.9 | 2008.538 | 292.5 | 0.426 | | IRC | 4Q-ly | | | |
| 21127+4900 | COU2652 | 10.1 | 0.2 | 2008.639 | 336.4 | 0.653 | | IRC | 4Q-ly | | | |
| 21133+4655 | A884 | 8.7 | 0.8 | 2008.631 | 293.5 | 0.424 | | IRC | 4Q-ly | | | |
| 21137+6424 | H148 | 7.2 | 0.1 | 2008.656 | 236.8 | 0.343 | | IRC | | −4.0 | −0.096 | Sca2008a |
| 21139+3830 | COU1817 | 9.5 | 0.7 | 2008.563 | 107.3 | 0.560 | | IRC | | | | |
| 21141+5818 | STF2783 | 7.7 | 0.4 | 2008.779 | 356.2 | 0.674 | 1.2 | AF | dv (ni) | | | |
| 21141+5818 | STF2783 | 7.7 | 0.4 | 2008.779 | 356.3 | 0.690 | | AF | | | | |
| 21142+4211 | COU2226 | 10.2 | −0.0 | 2008.563 | — | — | | IRC | S | | | |
| 21145+3437 | HU768 | 9.1 | 4.2 | 2008.710 | 119.9 | 1.531 | | IRC | 2Q-dv | | | |
| 21149+3702 | COU1818 | 10.2 | 2.1 | 2008.596 | 29.2 | 1.409 | | IRC | 1Q-ly | | | |
| 21149+3702 | COU1818 | 10.2 | 2.1 | 2008.596 | 29.6 | 1.412 | | IRC | 1Q-ly | | | |
| 21152+2753 | COU531 | 11.0 | 0.4 | 2008.689 | 143.4 | 0.904 | | IRC | 2Q-ly | | | |
| 21152+2753 | COU531 | 11.0 | 0.4 | 2008.710 | 144.6 | 0.831 | 0.3 | IRC | dv (ni) | | | |
| 21152+2753 | COU531 | 11.0 | 0.4 | 2008.710 | 144.9 | 0.868 | | IRC | | | | |
| 21159+3319 | COU1478 | 11.0 | 0.9 | 2008.689 | 174.5 | 1.480 | | IRC | 2Q-ly | | | |
| 21159+3319 | COU1478 | 11.0 | 0.9 | 2008.710 | 175.0: | 1.399: | | IRC | 2Q-dv | | | |
| 21182+6136 | MLR507 | 10.0 | 0.4 | 2008.648 | — | — | | IRC | S | | | |
| 21182+6136 | MLR507 | 10.0 | 0.4 | 2008.779 | 185.3 | 0.467: | | AF | 3Q-dv | | | |
| 21184+6334 | MLR57 | 8.6 | 3.4 | 2008.648 | 123.8 | 0.961 | | IRC | | | | |
| 21186+3430 | HU769 | 9.7 | 0.5 | 2008.538 | 175.2 | 0.879 | 2.3 | IRC | 2Q-ly | | | |
| 21194+1816 | COU70 | 10.7 | 1.2 | 2008.710 | 348.7 | 1.737 | | IRC | | | | |
| 21194+1816 | COU70 | 10.7 | 1.2 | 2008.710 | 349.3 | 1.678 | 1.7 | IRC | dv (ni) | | | |
| 21196+2543 | COU728 | 10.5 | 0.4 | 2008.689 | 49.7 | 1.541 | | IRC | 1Q-ly | | | |
| 21209+6117 | MLR508 | 11.4 | 0.3 | 2008.765 | 61.1 | 0.455 | | AF | 3Q-dv | | | |
| 21210+2233 | COU229 | 11.0 | 0.4 | 2008.587 | 119.1 | 0.538 | | IRC | | | | |
| 21213+6042 | STF2795 | 9.3 | 0.3 | 2008.820 | 301.5 | 1.720 | | AF | 4Q-dv | | | |
| 21214+6016 | MLR15 | 9.3 | 0.3 | 2008.656 | 207.4 | 0.398 | 0.2 | IRC | ly (ni) | | | |
| 21214+6016 | MLR15 | 9.3 | 0.3 | 2008.656 | 207.6 | 0.404 | | IRC | | | | |
| 21217+3436 | COU1334 | 10.9 | 1.3 | 2008.689 | 151.2 | 0.791 | | IRC | 2Q-ly | | | |
| 21217+3436 | COU1334 | 10.9 | 1.3 | 2008.710 | 146.8 | 0.774 | | IRC | dv (ni) | | | |
| 21217+3436 | COU1334 | 10.9 | 1.3 | 2008.710 | 148.4 | 0.769 | | IRC | | | | |
| 21223+5734 | A764AB | 8.2 | 2.5 | 2008.779 | 15.9 | 1.226 | | AF | 1Q-dv | −4.0 | +0.202 | Hei1995 |
| 21230+2725 | HEI188 | 11.0 | 0.2 | 2008.587 | 124.9 | 1.034 | | IRC | | | | |
| 21230+2726 | COU533 | 10.5 | 0.2 | 2008.563 | 109.7 | 0.715 | | IRC | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21236+1717 | HU369 | 9.2 | 3.9 | 2008.587 | 16.2 | 0.963 | | IRC | 1Q-ly | | | |
| 21237+5518 | A1892 | 8.2 | 1.1 | 2008.765 | 349.1 | 0.759 | | AF | 4Q-dv | | | |
| 21237+6022 | TDT2942 | 11.9 | 0.6 | 2008.820 | — | — | | AF | S-b | | | |
| 21244+3607 | TDS1125 | 11.0 | 1.2 | 2008.546 | 11.0 | 1.345 | | IRC | | | | |
| 21248+4106 | COU2305 | 10.2 | −0.0 | 2008.546 | 98.3 | 0.311 | | IRC | | | | |
| 21248+4106 | COU2305 | 10.2 | −0.0 | 2008.546 | 98.4 | 0.317 | 0.6 | IRC | ly (ni) | | | |
| 21249+5734 | A766 | 9.8 | 1.4 | 2008.765 | 223.8 | 0.504 | 0.9 | AF | 3Q-dv | | | |
| 21263+5951 | MLR361 | 10.9 | 0.1 | 2008.765 | 87.7 | 0.584 | | AF | 1Q-dv | | | |
| 21268+3050 | A1221 | 9.7 | 1.9 | 2008.710 | 74.3 | 1.209 | | IRC | 1Q-ly | | | |
| 21281+4110 | COU2231 | 9.6 | −0.0 | 2008.546 | 26.4 | 0.249 | | IRC | | | | |
| 21281+4110 | COU2231 | 9.6 | −0.0 | 2008.631 | 28.3 | 0.232 | | IRC | 1Q-ly | | | |
| 21284+3447 | COU1638 | 9.6 | 2.0 | 2008.689 | 226.8 | 1.260 | | IRC | 3Q-ly | | | |
| 21284+3447 | COU1638 | 9.6 | 2.0 | 2008.710 | 228.4 | 1.300 | | IRC | 3Q-dv | | | |
| 21287+5710 | BU1142 | 10.6 | 0.1 | 2008.765 | 3.2 | 0.364 | | AF | 1Q-dv: | | | |
| 21301+3050 | COU941 | 8.8 | 1.5 | 2008.689 | — | — | | IRC | S | | | |
| 21308+4827 | A770AB-C | 8.8 | 2.5 | 2008.631 | 317.2 | 1.191 | | IRC | 4Q-ly | | | |
| 21310+2128 | COU232 | 10.1 | 0.1 | 2008.574 | 213.9 | 0.636 | | IRC | | | | |
| 21319+2627 | COU731 | 10.9 | 0.5 | 2008.710 | 104.6 | 1.253 | | IRC | | | | |
| 21319+2627 | COU731 | 10.9 | 0.5 | 2008.710 | 105.4 | 1.176 | 0.3 | IRC | dv (ni) | | | |
| 21320+3448 | COU1480 | 11.4 | 1.2 | 2008.593 | 200.7 | 1.773 | 1.8 | IRC | ly (ni) | | | |
| 21331+4512 | COU2308 | 9.7 | −0.0 | 2008.631 | 183.6 | 0.150 | | IRC | 3Q-ly | | | |
| 21334+3058 | COU732Aa | 10.3 | 2.0 | 2008.546 | 261.6 | 0.482 | | IRC | 4Q-ly | | | |
| 21335+5857 | MLR437 | 11.0 | 0.1 | 2008.765 | 302.4 | 0.488 | | AF | 4Q-dv | | | |
| 21335+6413 | MLB223 | 10.0 | 0.5 | 2008.779 | 127.9 | 1.706 | | AF | b | | | |
| 21335+6413 | MLB223 | 10.0 | 0.5 | 2008.779 | 128.1 | 1.705 | 0.3 | AF | dv-b (ni) | | | |
| 21336+3905 | COU1975 | 10.1 | −0.0 | 2008.563 | — | — | | IRC | NR | | | |
| 21338+6454 | HU966 | 8.7 | 3.2 | 2008.765 | 335.3 | 0.502 | | AF | 4Q-dv | | | |
| 21339+6148 | STT442 | 8.6 | 0.2 | 2008.656 | 35.1: | 0.125: | 0.1 | IRC | ly (ni) | | | |
| 21346+5633 | A1893AB | 10.3 | 0.4 | 2008.765 | 27.1 | 0.635 | | AF | 1Q-dv | | | |
| 21359+6539 | MLR83AB | 9.6 | 0.7 | 2008.656 | 321.0 | 0.544 | | IRC | 4Q-ly | | | |
| 21363+1627 | HDS3076 | 9.4 | 1.7 | 2008.574 | 269.2 | 0.413 | | IRC | 3Q-ly | | | |
| 21365+4304 | COU2233 | 9.3 | −0.0 | 2008.563 | — | — | | IRC | S | | | |
| 21366+3928 | VYS10 | 10.4 | 1.8 | 2008.593 | 270.6 | 1.234 | 1.6 | IRC | ly (ni) | | | |
| 21376+5546 | BU686AB | 9.4 | 1.8 | 2008.765 | 310.4 | 0.985 | | AF | 4Q-dv | | | |
| 21379+2743 | HDS3080Aa | 10.2 | 1.6 | 2008.587 | — | — | | IRC | S ly (ni) | (273.6) | (1.173) | Sod1999 |
| 21379+2743 | HDS3080Aa | 10.2 | 1.6 | 2008.596 | — | — | | IRC | S ly (ni) | (273.6) | (1.173) | Sod1999 |
| 21379+2743 | SKF245AC | 9.8 | 4.5 | 2008.587 | 18.8 | 3.182 | 5.2 | IRC | 1Q-ly (ni) | | | |
| 21379+2743 | SKF245AC | 9.8 | 4.5 | 2008.596 | 17.8 | 3.114 | 3.6 | IRC | ly (ni) | | | |
| 21383+2336 | HU372 | 10.2 | 0.1 | 2008.587 | 69.0 | 0.276 | | IRC | | −2.3 | +0.041 | Sey2002 |
| 21388+5548 | BU687AB | 8.1 | 1.4 | 2008.765 | 1.4 | 0.643 | | AF | 1Q-dv | | | |
| 21391+3356 | COU1185 | 10.0 | 0.3 | 2008.689 | 55.0 | 1.395 | | IRC | 1Q-ly | | | |
| 21391+3356 | COU1185 | 10.0 | 0.3 | 2008.710 | 54.1 | 1.426 | 1.6 | IRC | dv (ni) | | | |
| 21398+7425 | MLR250 | 11.0 | 0.4 | 2008.656 | 312.0 | 0.687 | | IRC | 4Q-ly | | | |
| 21399+6808 | STF2823 | 9.2 | 0.8 | 2008.820 | 253.1 | 1.419 | | AF | 3Q-dv | | | |
| 21403+6823 | HU968 | 8.8 | 1.0 | 2008.779 | 146.6 | 1.243 | | AF | | | | |
| 21403+6823 | HU968 | 8.8 | 1.0 | 2008.779 | 147.0 | 1.246 | | AF | 2Q-dv | | | |
| 21410+2920 | STT448 | 8.9 | 0.2 | 2008.596 | 133.3 | 0.173 | | IRC | 4Q | −15.0 | −0.014 | Alz1998 |
| 21410+2920 | STT448 | 8.9 | 0.2 | 2008.689 | 141.2: | 0.132: | | IRC | ly (ni) | −6.7 | −0.050 | Alz1998a |
| 21410+2920 | STT448 | 8.9 | 0.2 | 2008.689 | 141.2: | 0.132: | | IRC | ly | −6.7 | −0.049 | Alz1998a |
| 21410+2920 | STT448 | 8.9 | 0.2 | 2008.710 | 140.6: | 0.144: | | IRC | | −7.2 | −0.043 | Alz1998a |
| 21424+1750 | HU373 | 8.9 | 1.5 | 2008.710 | 298.9 | 0.871: | 2.0 | IRC | dv (ni) | | | |
| 21425+4832 | COU2313 | 10.0 | −0.0 | 2008.631 | 53.2 | 0.379 | | IRC | | | | |
| 21429+4507 | COU2314 | 10.0 | −0.0 | 2008.631 | 37.8: | 0.340: | | IRC | | | | |
| 21431+3149 | A1222 | 10.4 | 0.2 | 2008.546 | 352.0 | 0.680 | | IRC | | | | |
| 21431+4122 | COU1978 | 9.8 | −0.0 | 2008.546 | 82.4 | 0.224 | | IRC | | | | |
| 21435+4448 | HO167 | 10.4 | 1.2 | 2008.563 | 200.7 | 1.130 | | IRC | | | | |
| 21439+2751 | HO166 | 8.4 | 0.1 | 2008.563 | 327.0 | 0.183 | | IRC | | −16.0 | +0.001 | Cou1958d |
| 21445+3933 | A1447 | 10.3 | −0.0 | 2008.689 | 241.1 | 0.337: | 0.2 | IRC | ly (ni) | | | |
| 21445+3933 | A1447 | 10.3 | −0.0 | 2008.689 | 242.8 | 0.375 | | IRC | | | | |
| 21450+5554 | HDS3097 | 8.9 | 2.4 | 2008.765 | 214.1 | 0.567 | | AF | 3Q-dv | | | |
| 21450+5554 | HDS3097 | 8.9 | 2.4 | 2008.820 | 214.1 | 0.612 | | AF | 3Q-dv | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21454+4356 | HO168AB | 9.6 | 0.1 | 2008.500 | 63.8 | 0.758 | 1.1 | IRC | 1Q-ly | | | |
| 21455+6745 | HU970 | 9.3 | 0.5 | 2008.656 | 273.2 | 0.371 | 0.4 | IRC | ly (ni) | | | |
| 21455+6745 | HU970 | 9.3 | 0.5 | 2008.656 | 273.6 | 0.384 | | IRC | | | | |
| 21462+4254 | COU1979 | 9.0 | 0.4 | 2008.563 | 260.5: | 0.446: | 1.1 | IRC | ly (ni) | | | |
| 21474+5508 | MLR591 | 9.9 | −0.0 | 2008.648 | 52.9 | 0.225 | | IRC | | | | |
| 21478+6203 | HU971AB | 9.0 | 0.7 | 2008.648 | 22.7 | 0.339 | | IRC | | | | |
| 21492+6312 | HEI290 | 11.2 | 0.4 | 2008.765 | 187.2 | 1.154 | | AF | 3Q-dv | | | |
| 21493+3451 | COU1483 | 10.7 | 0.4 | 2008.689 | 130.9 | 0.690 | | IRC | 2Q-ly | | | |
| 21493+3451 | COU1483 | 10.7 | 0.4 | 2008.710 | 130.6 | 0.679 | | IRC | 2Q-dv | | | |
| 21495+5736 | TDT3179 | 11.4 | 1.0 | 2008.820 | — | — | | AF | S-b | | | |
| 21498+6514 | MLR74 | 8.0 | 2.2 | 2008.656 | 264.2 | 0.869 | | IRC | 3Q-ly | | | |
| 21511+1022 | COU2549Aa | 9.1 | −0.0 | 2008.574 | — | — | | IRC | S (ni) | | | |
| 21511+4209 | COU1822 | 9.7 | −0.0 | 2008.631 | — | — | | IRC | S | | | |
| 21511+6650 | HU972 | 9.1 | 0.4 | 2008.656 | 254.1 | 0.341 | 0.3 | IRC | ly (ni) | −9.1 | +0.060 | Hei1998 |
| 21511+6650 | HU972 | 9.1 | 0.4 | 2008.656 | 255.1 | 0.341 | | IRC | | −8.1 | +0.060 | Hei1998 |
| 21517+3716 | COU1641 | 11.0 | 1.0 | 2008.689 | 307.9 | 1.093 | | IRC | 4Q-ly | | | |
| 21518+5534 | HDS3113 | 10.8 | 2.8 | 2008.765 | — | — | | AF | S | | | |
| 21531+6458 | MLR75 | 10.4 | 0.6 | 2008.656 | 139.6 | 1.015 | | IRC | 2Q-ly | | | |
| 21543+1943 | COU432BC | 8.8 | 0.2 | 2008.710 | 355.8 | 0.246 | 0.1 | IRC | dv (ni) | | | |
| 21543+1943 | COU432BC | 8.8 | 0.2 | 2008.710 | 359.1 | 0.221 | | IRC | | | | |
| 21544+3206 | COU1042 | 10.5 | 1.7 | 2008.689 | 106.9 | 1.396 | | IRC | 2Q-ly | | | |
| 21548+4548 | COU2137Aa | 8.9 | 0.5 | 2008.631 | 223.7 | 0.243 | | IRC | 3Q-ly | | | |
| 21554+6540 | HU1314 | 9.8 | −0.0 | 2008.656 | 211.0 | 0.119 | 0.1 | IRC | ly (ni) | | | |
| 21555+1053 | BU75AB | 8.4 | 0.2 | 2008.574 | 200.8 | 0.943 | | IRC | | −0.9 | −0.011 | Hei1996a |
| 21555+6519 | STT457 | 6.0 | 2.2 | 2008.820 | 246.4 | 1.265 | | AF | 3Q-dv | | | |
| 21556+6040 | MLR509 | 9.6 | 1.8 | 2008.765 | 273.2 | 1.529 | | AF | 4Q-dv | | | |
| 21559+5950 | STT537 | 7.9 | 3.1 | 2008.779 | 23.3 | 1.889 | | AF | | | | |
| 21561+2846 | COU837 | 10.8 | 0.5 | 2008.587 | — | — | | IRC | S | | | |
| 21564+6216 | HU973 | 10.1 | 0.1 | 2008.656 | 123.9 | 0.241 | | IRC | | | | |
| 21565+5948 | STT458AB | 7.2 | 1.2 | 2008.820 | 349.1 | 0.968 | | AF | 4Q-dv | | | |
| 21568+5558 | A1897 | 10.0 | 0.3 | 2008.779 | 72.2 | 0.951 | 1.6 | AF | 1Q-dv | | | |
| 21571+4540 | COU2235 | 10.7 | 0.2 | 2008.631 | 85.1 | 0.272 | | IRC | 1Q-ly | | | |
| 21573+3241 | A1226 | 9.3 | 0.6 | 2008.563 | — | — | | IRC | S | | | |
| 21573+6118 | BU275 | 7.2 | 1.8 | 2008.779 | 170.2 | 0.434 | | AF | 2Q-dv | | | |
| 21576+4938 | HU772 | 9.2 | 0.5 | 2008.631 | 148.5 | 0.359 | 0.1 | IRC | ly (ni) | | | |
| 21576+4938 | HU772 | 9.2 | 0.5 | 2008.631 | 150.3 | 0.368 | | IRC | | | | |
| 21576+6144 | MLR63 | 8.7 | 1.1 | 2008.765 | 219.5 | 0.970 | | AF | 3Q-dv | | | |
| 21576+6144 | MLR63 | 8.7 | 1.1 | 2008.779 | 219.3 | 0.959 | | AF | 3Q-dv | | | |
| 21579+3616 | COU1338 | 10.7 | 1.3 | 2008.689 | 107.7 | 1.195 | | IRC | 2Q-ly | | | |
| 21579+6101 | MLR17 | 8.3 | −0.0 | 2008.648 | — | — | | IRC | S | | | |
| 21580+4627 | COU2236 | 9.9 | −0.0 | 2008.639 | 197.1 | 0.214 | | IRC | 3Q-ly | | | |
| 21586+3900 | COU1824 | 11.0 | 0.3 | 2008.689 | 298.7 | 0.623 | | IRC | 4Q-ly | | | |
| 21590+1212 | HEI410 | 9.5 | −0.0 | 2008.579 | 151.3 | 0.210 | | IRC | | | | |
| 21591+6358 | TDT3275 | 10.8 | 0.1 | 2008.648 | — | — | | IRC | S | | | |
| 21591+6400 | HU975AB | 9.4 | 0.6 | 2008.648 | 30.1 | 0.312 | | IRC | | | | |
| 21591+6400 | HU975AB-C | 8.9 | 2.1 | 2008.648 | 134.7 | 1.866 | | IRC | | | | |
| 21593+2641 | COU1043 | 10.7 | 0.3 | 2008.563 | 194.8: | 0.315: | | IRC | | | | |
| 21593+4606 | COU2138 | 9.5 | 0.3 | 2008.631 | 350.8 | 0.198 | | IRC | 4Q-ly | −20.7 | +0.008 | Mnt2002c |
| 21597+4907 | HU774 | 8.4 | 0.1 | 2008.639 | 181.4 | 0.196 | | IRC | | −3.6 | +0.016 | Doc2004b |
| 21598+6033 | A779 | 8.5 | 1.2 | 2008.656 | 252.9 | 0.274 | | IRC | 3Q-ly | | | |
| 22005+6054 | MLR510 | 11.1 | 0.1 | 2008.765 | 125.5 | 0.785 | 0.2 | AF | dv (ni) | | | |
| 22005+6054 | MLR510 | 11.1 | 0.1 | 2008.779 | 122.5 | 0.774 | | AF | 2Q-dv | | | |
| 22005+6054 | MLR510AB | 11.1 | 0.1 | 2008.820 | 123.2 | 0.767 | | AF | b | | | |
| 22020+3727 | A1452 | 9.5 | 3.0 | 2008.689 | 289.9 | 1.848 | | IRC | 4Q-ly | | | |
| 22038+6710 | TDS1155 | 11.4 | 0.4 | 2008.820 | 72.4 | 0.839 | | AF | 1Q-dv-b | | | |
| 22039+5949 | HDS3132Ab | 6.8 | 3.0 | 2008.765 | 143.5 | 0.486: | 3.0 | AF | ly (ni) | | | |
| 22039+5949 | STT461AB | 6.7 | 4.8 | 2008.779 | 297.5 | 10.965 | 5.4 | AF | ly (ni) | | | |
| 22043+7311 | A894 | 10.0 | 0.1 | 2008.656 | 148.9 | 0.432 | 1.0 | IRC | ly (ni) | | | |
| 22043+7311 | A894 | 10.0 | 0.1 | 2008.656 | 149.4 | 0.442 | | IRC | 2Q-ly | | | |
| 22045+1551 | BU696AB | 8.2 | 1.7 | 2008.574 | — | — | | IRC | S | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22045+5239 | HU776 | 9.7 | 0.5 | 2008.639 | — | — | | IRC | S | | | |
| 22045+6319 | TDT3324 | 10.4 | 0.3 | 2008.820 | — | — | | AF | S-b | | | |
| 22048+6539 | HU977 | 9.1 | 0.0 | 2008.656 | 312.1 | 0.289 | 0.6 | IRC | ly (ni) | | | |
| 22048+6539 | HU977 | 9.1 | 0.0 | 2008.656 | 312.6 | 0.315 | | IRC | | | | |
| 22052+6305 | BU990 | 9.1 | 0.6 | 2008.648 | 128.8 | 0.616 | | IRC | 2Q-ly | | | |
| 22056+5711 | BAR57AB | 10.7 | 1.8 | 2008.779 | 274.1 | 1.285 | | AF | 4Q-dv-b | | | |
| 22061+6048 | TDT3338 | 10.9 | 0.2 | 2008.820 | 184.7: | 0.437: | | AF | | | | |
| 22067+6534 | HDS3140 | 10.4 | 0.8 | 2008.779 | — | — | | AF | S: | | | |
| 22075+5631 | HDS3141 | 9.3 | 0.4 | 2008.765 | 328.8 | 0.521 | | AF | 4Q-dv | | | |
| 22076+4121 | COU1827 | 10.7 | 0.2 | 2008.563 | 129.0 | 0.683 | | IRC | | | | |
| 22077+2622 | COU537 | 8.6 | 0.2 | 2008.710 | 139.3 | 0.299 | | IRC | | +6.6 | +0.093 | Doc2003e |
| 22078+5333 | MLR592 | 10.3 | 0.3 | 2008.639 | 20.7 | 0.494 | | IRC | 1Q-ly | | | |
| 22079+6337 | TDT3360 | 11.3 | 0.1 | 2008.779 | 220.9 | 1.793 | 0.8 | AF | 3Q-dv | | | |
| 22080+6100 | HDS3143 | 9.7 | 1.5 | 2008.820 | — | — | | AF | S | | | |
| 22080+6938 | MLR99 | 10.2 | −0.0 | 2008.656 | 52.6 | 0.163 | | IRC | | | | |
| 22080+6938 | MLR99 | 10.2 | −0.0 | 2008.656 | 59.8 | 0.143 | 0.8 | IRC | ly (ni) | | | |
| 22082+7438 | MLR256 | 9.8 | 0.2 | 2008.656 | 335.7 | 0.305 | | IRC | | | | |
| 22086+5917 | STF2872BC | 8.0 | 0.0 | 2008.779 | 118.2 | 0.812 | | AF | | $0.0^Q$ | −0.004 | Sey2002 |
| 22086+5917 | STF2872BC | 8.0 | 0.0 | 2008.779 | 118.8 | 0.792 | 0.6 | AF | dv | $0.6^Q$ | −0.024 | Sey2002 |
| 22091+5014 | COU2658 | 9.5 | 0.5 | 2008.631 | 208.4 | 0.261 | | IRC | 3Q-ly | | | |
| 22091+5014 | COU2658 | 9.5 | 0.5 | 2008.639 | 209.4 | 0.269 | | IRC | | | | |
| 22093+5804 | MLR557 | 9.4 | 2.8 | 2008.648 | 301.8 | 0.924 | | IRC | 4Q-ly | | | |
| 22100+2203 | COU137AB | 10.1 | −0.0 | 2008.574 | 70.8 | 0.699 | | IRC | | | | |
| 22100+2308 | COU136 | 9.2 | 1.6 | 2008.710 | 204.9 | 0.453 | 0.1 | IRC | dv | +0.7 | −0.063 | Cou1999b |
| 22102+4004 | A1455 | 9.9 | 0.9 | 2008.664 | 117.1 | 1.042 | | IRC | 2Q-ly | | | |
| 22104+4619 | COU2237 | 9.6 | 2.0 | 2008.631 | 225.1: | 0.359: | | IRC | | | | |
| 22107+5830 | A624 | 9.5 | 2.2 | 2008.648 | 11.2 | 0.746 | | IRC | | | | |
| 22109+4211 | A2494 | 9.7 | −0.0 | 2008.664 | 6.0 | 0.255 | | IRC | | | | |
| 22110+2429 | EGG4 | 9.5 | 0.1 | 2008.710 | 149.9 | 0.557 | 0.3 | IRC | dv (ni) | | | |
| 22110+2429 | EGG4 | 9.5 | 0.1 | 2008.710 | 150.5 | 0.572 | | IRC | | | | |
| 22116+4056 | A409 | 9.9 | 0.1 | 2008.563 | 10.2 | 0.388 | | IRC | | | | |
| 22117+5743 | A625AB | 9.6 | 0.2 | 2008.648 | 77.2 | 0.524 | | IRC | | | | |
| 22122+5909 | MLR439 | 10.2 | 0.1 | 2008.765 | 253.4 | 0.725 | 0.1 | AF | 3Q-dv | | | |
| 22127+6013 | A626 | 9.5 | 0.1 | 2008.765 | 106.6 | 0.860 | | AF | | | | |
| 22127+6013 | A626 | 9.5 | 0.1 | 2008.765 | 107.2 | 0.837 | 0.2 | AF | dv (ni) | | | |
| 22128+4048 | A2495AB | 8.4 | 2.2 | 2008.664 | 251.3 | 0.531 | | IRC | 3Q-ly | | | |
| 22130+5359 | MLR594 | 9.2 | 0.2 | 2008.639 | 4.9 | 0.254 | | IRC | | | | |
| 22131+4437 | COU1829 | 9.0 | 0.9 | 2008.563 | — | — | | IRC | S | | | |
| 22131+4437 | COU1829 | 9.0 | 0.9 | 2008.631 | — | — | | IRC | S | | | |
| 22138+6710 | HDS3156 | 9.2 | 3.5 | 2008.820 | — | — | | AF | S-b | | | |
| 22149+6143 | HDS3157 | 8.8 | 3.6 | 2008.820 | 323.5 | 0.696 | | AF | b | | | |
| 22155+5549 | MLR611 | 8.0 | 0.5 | 2008.648 | 135.0 | 0.374 | | IRC | 2Q-ly | | | |
| 22155+5549 | MLR611 | 8.0 | 0.5 | 2008.765 | 136.7 | 0.375 | | AF | 2Q-dv | | | |
| 22156+5152 | HU696 | 9.3 | 0.2 | 2008.631 | 237.4 | 0.326 | | IRC | 3Q-ly | | | |
| 22156+5749 | TDT3425 | 12.0 | 0.4 | 2008.820 | 99.9: | 1.026: | | AF | | | | |
| 22159+6413 | MLR58 | 9.1 | 0.7 | 2008.648 | 106.0 | 0.476 | | IRC | 2Q-ly | | | |
| 22161+6449 | MLR76 | 10.0 | 0.3 | 2008.648 | 58.8 | 0.340 | | IRC | | | | |
| 22162+4229 | COU1830 | 10.0 | 2.5 | 2008.664 | 106.8 | 0.697 | | IRC | | | | |
| 22168+6549 | MLR84 | 10.2 | −0.0 | 2008.656 | — | — | | IRC | S | | | |
| 22172+4331 | COU1982 | 10.3 | 0.6 | 2008.664 | 119.4: | 0.570: | | IRC | | | | |
| 22174+7157 | A782AB | 10.0 | 0.5 | 2008.656 | 300.8 | 0.413 | | IRC | 4Q-ly | | | |
| 22175+1649 | HEI192 | 9.7 | −0.0 | 2008.574 | — | — | | IRC | S | | | |
| 22181+5607 | A1460 | 8.1 | 5.2 | 2008.779 | 195.7 | 1.459 | | AF | b | | | |
| 22186+5434 | MLR612 | 9.1 | 0.3 | 2008.639 | 165.2 | 0.364 | | IRC | 2Q-ly | | | |
| 22193+5857 | HDS3162 | 9.1 | 3.0 | 2008.820 | 138.9 | 0.538 | | AF | 4Q-dv: | | | |
| 22199+5901 | MLR440 | 11.2 | 0.2 | 2008.765 | 231.9 | 0.483 | | AF | 3Q-dv | | | |
| 22207+4434 | COU1983 | 9.5 | 0.8 | 2008.563 | 259.2 | 0.444 | | IRC | | | | |
| 22207+4615 | COU2141 | 10.9 | 0.2 | 2008.579 | 27.0 | 0.871 | | IRC | | | | |
| 22214+4148 | A411 | 8.8 | 0.8 | 2008.563 | 49.0 | 0.282 | | IRC | | | | |
| 22221+5843 | MLR441Aa | 9.7 | 2.8 | 2008.648 | 154.2 | 1.238 | | IRC | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22225+5805 | MLR558 | 10.6 | 0.2 | 2008.765 | 149.3 | 0.977 | | AF | | | | |
| 22239+1637 | HEI83 | 10.3 | 0.1 | 2008.574 | 104.0 | 0.387 | | IRC | | | | |
| 22239+2232 | HU385 | 9.1 | 6.3 | 2008.587 | 75.5 | 1.453 | | IRC | 1Q-ly | | | |
| 22247+6451 | MLR77 | 9.2 | 1.8 | 2008.648 | 171.8 | 1.076 | | IRC | 2Q-ly | | | |
| 22248+2233 | HO183AB | 9.0 | 2.5 | 2008.587 | 220.6 | 2.238 | 2.3 | IRC | 3Q-ly | −1.7 | +0.006 | Zir2003 |
| 22248+2233 | HO183AB | 9.0 | 2.5 | 2008.710 | 223.1 | 2.233 | | IRC | 1Q-dv | +0.8 | −0.002 | Zir2003 |
| 22255+4227 | A2498 | 10.1 | 0.1 | 2008.631 | 342.5 | 0.606 | | IRC | 4Q-ly | | | |
| 22257+5631 | A1463 | 8.7 | 1.1 | 2008.765 | 333.8 | 0.926 | | AF | 4Q-dv | | | |
| 22265+5743 | BAR59AB | 11.7 | 0.1 | 2008.779 | 261.9 | 1.386 | 1.2 | AF | lyb (ni) | | | |
| 22265+5743 | BAR59AB | 11.7 | 0.1 | 2008.779 | 262.1 | 1.382 | 1.0 | AF | dv-b (ni) | | | |
| 22265+5743 | BAR59AB | 11.7 | 0.1 | 2008.779 | 262.1 | 1.392 | | AF | b | | | |
| 22268+4033 | COU1642 | 8.5 | −0.0 | 2008.579 | 97.8 | 0.190 | | IRC | | | | |
| 22278+5258 | A1465 | 8.2 | 3.5 | 2008.639 | 156.2 | 0.851 | | IRC | 2Q-ly | | | |
| 22280+2046 | TDT3534 | 10.9 | 0.2 | 2008.710 | 265.0 | 0.904 | 0.6 | IRC | dv (ni) | | | |
| 22280+2046 | TDT3534 | 10.9 | 0.2 | 2008.710 | 265.5 | 0.854 | | IRC | | | | |
| 22284+4729 | COU2328 | 10.9 | 0.4 | 2008.904 | 152.1 | 0.693 | 0.4: | AF | 2Q-dv-b | | | |
| 22286+4942 | COU2448 | 10.9 | 0.4 | 2008.639 | 36.5 | 0.799 | | IRC | | | | |
| 22289+4528 | COU2240 | 9.7 | 1.0 | 2008.579 | 78.9: | 0.314: | | IRC | | | | |
| 22290+1420 | HU1317 | 9.9 | 0.1 | 2008.574 | 303.7 | 0.432 | | IRC | | | | |
| 22290+2920 | J856 | 9.3 | 0.2 | 2008.710 | 215.0 | 1.613 | | IRC | | | | |
| 22290+2920 | J856 | 9.3 | 0.2 | 2008.710 | 216.1 | 1.573 | 1.3 | IRC | dv (ni) | | | |
| 22294+6314 | HDS3185 | 10.4 | 0.2 | 2008.779 | 70.9 | 0.412 | | AF | 1Q-dv-b | | | |
| 22302+4655 | COU2329 | 10.5 | 0.3 | 2008.904 | 168.2: | 0.603: | | AF | | | | |
| 22305+6137 | HU981 | 7.6 | 0.3 | 2008.765 | 214.5 | 0.316 | | AF | 3Q-dv | | | |
| 22306+4828 | COU2330Aa | 10.0 | 0.4 | 2008.639 | 84.5 | 0.377 | | IRC | 1Q-ly | | | |
| 22307+1758 | COU234 | 9.7 | 0.6 | 2008.574 | — | — | | IRC | S | | | |
| 22307+3923 | A1466 | 10.9 | 0.1 | 2008.689 | 160.5 | 0.744 | 0.4 | IRC | ly (ni) | | | |
| 22307+3923 | A1466 | 10.9 | 0.1 | 2008.689 | 161.5 | 0.744 | | IRC | | | | |
| 22307+4856 | HU1319 | 10.4 | 0.1 | 2008.904 | 40.4 | 0.335 | | AF | 1Q-dv | | | |
| 22314+5949 | TDT3566 | 11.5 | 0.1 | 2008.779 | — | — | | AF | S-b | | | |
| 22320+6311 | MLR18Aa | 9.8 | −0.0 | 2008.648 | 259.6: | 0.213: | | IRC | 3Q-ly | | | |
| 22325+7036 | MLR262 | 10.2 | 0.3 | 2008.656 | 120.4 | 0.682 | | IRC | | | | |
| 22327+3936 | COU1834 | 10.0 | 2.1 | 2008.689 | 39.7 | 1.724 | | IRC | 1Q-ly | | | |
| 22328+4808 | COU2331 | 10.1 | −0.0 | 2008.579 | 357.2: | 0.379: | | IRC | | | | |
| 22329+5348 | KUI112Aa | 11.0 | −0.0 | 2008.639 | 96.4 | 0.648 | | IRC | | −2.6 | +0.018 | Doc2002i |
| 22329+5621 | TDT3578 | 11.2 | 1.0 | 2008.820 | — | — | | AF | S | | | |
| 22330+4121 | COU1988 | 8.4 | 2.7 | 2008.904 | 351.6 | 1.881 | | AF | | | | |
| 22330+6955 | STF2924AB | 7.8 | 1.5 | 2008.765 | 13.2 | 0.132 | | AF | 1Q-dv | −9.7 | −0.018 | Sod1999 |
| 22332+3356 | HO293 | 8.3 | 3.8 | 2008.710 | 136.4 | 1.544 | | IRC | | | | |
| 22334+3935 | COU1835AB | 8.2 | 5.0 | 2008.689 | 51.4 | 1.783 | | IRC | 1Q-ly | | | |
| 22334+3935 | HDS3200Aa | 8.8 | 0.3 | 2008.669 | 170.0 | 0.176 | 0.4 | IRC | ly (ni) | | | |
| 22334+3935 | HDS3200Aa | 8.8 | 0.3 | 2008.669 | 173.4 | 0.196 | | IRC | | | | |
| 22339+6550 | HU983 | 8.2 | 0.3 | 2008.656 | — | — | | IRC | S | | | |
| 22340+6440 | TDT3586 | 10.4 | 0.5 | 2008.820 | 136.2 | 0.782 | | AF | 2Q-dv | | | |
| 22341+3920 | BU707 | 8.7 | 4.5 | 2008.689 | — | — | | IRC | S | | | |
| 22343+6342 | TDT3595 | 11.4 | 0.3 | 2008.779 | — | — | | AF | S-b | | | |
| 22344+2623 | COU540 | 8.9 | 0.4 | 2008.563 | 135.6 | 0.339 | | IRC | | +1.0 | +0.009 | Mnt2004a |
| 22357+5413 | MLR3 | 8.5 | 0.6 | 2008.639 | 180.3 | 0.254 | | IRC | 3Q-ly: | −86.9 | +0.134 | Msn2001a |
| 22359+3938 | A1469CH | 10.3 | 4.3 | 2008.689 | — | — | | IRC | S | | | |
| 22361+7253 | BU1092AB | 8.3 | −0.0 | 2008.656 | 31.2 | 0.296 | | IRC | | +1.3 | +0.079 | Doc1986b |
| 22366+3744 | COU1194 | 8.1 | 5.6 | 2008.664 | 51.6: | 1.910: | | IRC | | | | |
| 22368+3123 | A1232 | 8.3 | 4.0 | 2008.710 | 151.9 | 1.489 | | IRC | | | | |
| 22369+4712 | COU2333 | 10.5 | 1.1 | 2008.904 | 271.4 | 1.101 | | AF | 4Q-dv-b | | | |
| 22373+5420 | MLR614 | 10.3 | 0.2 | 2008.639 | 304.9 | 0.563 | | IRC | 4Q-ly | | | |
| 22373+6913 | CHR113 | 7.5 | 2.0 | 2008.765 | 357.2 | 0.553 | | AF | 4Q-dv | | | |
| 22375+2356 | HU391AB | 10.1 | 0.8 | 2008.574 | 326.2 | 0.224: | | IRC | | −1.4 | +0.065 | Hrt2009 |
| 22375+3923 | HDS3211 | 10.0 | 0.4 | 2008.669 | 240.0: | 0.305: | 2.4 | IRC | ly (ni) | | | |
| 22376+2726 | HO294 | 8.2 | 2.8 | 2008.710 | 59.3 | 1.924 | | IRC | | | | |
| 22379+6126 | TDT3625 | 11.5 | 0.4 | 2008.779 | 311.9 | 0.965 | 0.2 | AF | dv-b (ni) | | | |
| 22379+6126 | TDT3625 | 11.5 | 0.4 | 2008.779 | 312.2 | 0.999 | | AF | | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22388+4419 | HO295AB | 7.5 | 0.5 | 2008.664 | 155.8: | 0.139: | | IRC | | −1.2 | +0.011 | Hrt1996a |
| 22390+1850 | HU392AB | 10.1 | 0.2 | 2008.587 | 344.6 | 0.486 | | IRC | | | | |
| 22392+2014 | HU393 | 10.1 | 0.5 | 2008.574 | 224.2 | 0.852 | | IRC | 3Q-ly | | | |
| 22393+3353 | HDS3217 | 9.1 | 2.5 | 2008.669 | 158.7: | 0.447: | 3.8 | IRC | ly (ni) | | | |
| 22393+3353 | HDS3217 | 9.1 | 2.5 | 2008.669 | 162.8 | 0.468 | | IRC | | | | |
| 22394+3524 | HU779 | 9.2 | 3.4 | 2008.664 | 137.3 | 0.425 | | IRC | 2Q-ly | | | |
| 22394+5503 | MLR615 | 8.7 | 1.1 | 2008.648 | 28.0: | 0.065: | | IRC | | | | |
| 22397+6124 | BU1265BC | 10.1 | 0.1 | 2008.656 | 44.2 | 0.567 | | IRC | | | | |
| 22410+7228 | MLR263 | 9.4 | 1.5 | 2008.656 | 122.0 | 0.290 | | IRC | | | | |
| 22412+1433 | HU780AB | 10.0 | 0.2 | 2008.574 | — | — | | IRC | S | | | |
| 22420+1513 | HU781 | 8.6 | 1.3 | 2008.587 | 146.5: | 0.216: | | IRC | | | | |
| 22426+4550 | COU2336 | 10.6 | 0.3 | 2008.904 | 211.3 | 0.528 | | AF | 3Q-dv-b: | | | |
| 22428+6307 | TDT3667 | 11.4 | 0.2 | 2008.779 | 290.9 | 0.716 | 0.6 | AF | ly-b (ni) | | | |
| 22428+2348 | HJ1800AB-C | 9.5 | 2.1 | 2008.587 | 235.2 | 7.177 | | IRC | 3Q-ly | | | |
| 22428+2348 | HU395AB | 10.3 | 0.1 | 2008.587 | 221.1 | 0.280 | | IRC | 3Q-ly: | | | |
| 22430+3013 | BU1144BC | 10.1 | −0.0 | 2008.563 | — | — | | IRC | S | | | |
| 22436+4226 | COU1989 | 10.3 | 1.9 | 2008.669 | 3.0 | 0.371 | | IRC | 1Q-ly | | | |
| 22438+7141 | MLR264 | 9.9 | 1.6 | 2008.656 | 82.0 | 0.466 | | IRC | 1Q-ly | | | |
| 22444+5036 | COU2699 | 10.7 | 0.1 | 2008.631 | 45.7 | 0.424 | | IRC | 1Q-ly | | | |
| 22454+5129 | HU783 | 9.2 | 0.2 | 2008.631 | 199.1: | 0.176: | | IRC | | | | |
| 22458+3043 | COU739 | 10.0 | 2.2 | 2008.664 | 103.2 | 1.103 | | IRC | | | | |
| 22463+6616 | HU984 | 10.1 | 0.2 | 2008.765 | 8.0 | 0.747 | | AF | | | | |
| 22463+6616 | HU984 | 10.1 | 0.2 | 2008.765 | 8.3 | 0.739 | 0.2 | AF | dv (ni) | | | |
| 22465+1944 | COU333 | 9.9 | 0.1 | 2008.587 | 12.4 | 0.630 | | IRC | 1Q-ly | | | |
| 22470+4446 | A189AB | 9.2 | 0.2 | 2008.904 | 27.5 | 0.977 | 0.2 | AF | 1Q-dv | | | |
| 22475+5833 | BU1145AB | 9.3 | 2.4 | 2008.648 | 152.9 | 1.032 | | IRC | 2Q-ly | | | |
| 22478+6614 | MLR85 | 10.7 | 0.1 | 2008.656 | 34.6 | 0.941 | | IRC | 1Q-ly | | | |
| 22479+1259 | HU985 | 9.6 | 0.3 | 2008.574 | 316.8 | 0.690 | | IRC | | −4.1 | +0.023 | Sey2002 |
| 22482+1858 | TDT3712 | 11.0 | 0.3 | 2008.710 | 164.9 | 1.851 | | IRC | | | | |
| 22482+1858 | TDT3712 | 11.0 | 0.3 | 2008.710 | 166.4 | 1.811 | 0.3 | IRC | dv (ni) | | | |
| 22495+3622 | COU1196 | 10.6 | 0.2 | 2008.563 | 87.1 | 0.523 | | IRC | | | | |
| 22499+4834 | A2398 | 10.0 | −0.0 | 2008.579 | 348.9 | 0.192 | | IRC | | | | |
| 22499+6119 | HU986 | 10.4 | 0.2 | 2008.820 | 115.1 | 0.807 | | AF | | | | |
| 22499+6119 | HU986 | 10.4 | 0.2 | 2008.820 | 115.4 | 0.781 | 0.1 | AF | dv (ni) | | | |
| 22501+5928 | MLR363 | 10.6 | 0.2 | 2008.765 | 344.0 | 0.576 | | AF | 4Q-dv | | | |
| 22503+2432 | BU846 | 8.8 | 3.6 | 2008.587 | 85.3 | 1.882 | | IRC | 1Q-ly | | | |
| 22506+5731 | TDT3743 | 11.7 | 0.1 | 2008.779 | 54.4 | 1.024 | 0.4 | AF | 1Q-dv | | | |
| 22515+5726 | A631 | 10.0 | 0.2 | 2008.648 | 106.2 | 0.569 | | IRC | | | | |
| 22518+3943 | HO298 | 8.8 | 3.3 | 2008.689 | — | — | | IRC | S | | | |
| 22520+5743 | A632 | 8.6 | 0.7 | 2008.648 | 134.1 | 0.469 | 1.0 | IRC | ly (ni) | −5.5 | −0.010 | Hei1991 |
| 22526+6358 | TDS1192 | 11.9 | 0.2 | 2008.779 | 95.2 | 0.978 | | AF | b | | | |
| 22526+6358 | TDS1192 | 11.9 | 0.2 | 2008.779 | 97.3 | 0.987 | 0.5 | AF | dv-b (ni) | | | |
| 22528+2926 | COU541 | 10.4 | 1.5 | 2008.669 | 68.7 | 1.401 | | IRC | 1Q-ly | | | |
| 22529+4953 | COU2664 | 10.0 | −0.0 | 2008.579 | 12.7: | 0.226: | | IRC | | | | |
| 22531+5001 | COU2665 | 10.2 | −0.0 | 2008.631 | 83.3 | 0.345 | | IRC | 1Q-ly | | | |
| 22535+6607 | MLR86Aa | 9.8 | −0.0 | 2008.656 | 31.9 | 0.476 | | IRC | | | | |
| 22540+3654 | A1476 | 10.2 | 0.2 | 2008.563 | 100.4 | 0.729 | | IRC | | | | |
| 22544+4723 | A190 | 10.2 | 0.3 | 2008.631 | 234.6 | 0.265 | | IRC | 3Q-ly | | | |
| 22550+5132 | HU785 | 9.9 | 0.4 | 2008.631 | 279.7: | 0.124: | | IRC | 4Q-ly: | −16.4 | −0.092 | Ole2005c |
| 22560+5702 | A633AB | 8.7 | 2.1 | 2008.765 | 231.1 | 0.643 | | AF | 3Q-dv | | | |
| 22562+6649 | HU988 | 8.9 | 1.7 | 2008.820 | 172.1 | 1.026 | | AF | 2Q-dv | | | |
| 22569+5941 | A634 | 8.1 | 3.5 | 2008.820 | 300.1 | 2.082 | | AF | 4Q-dv | | | |
| 22570+2441 | COU542Aa | 9.3 | 0.6 | 2008.563 | 42.6: | 0.194: | | IRC | | −0.2 | −0.036 | Doc2001b |
| 22570+2441 | COU542Aa | 9.3 | 0.6 | 2008.689 | 45.7 | 0.239 | | IRC | | +2.1 | +0.011 | Doc2001b |
| 22571+3650 | COU1644 | 10.6 | 0.1 | 2008.563 | 67.4 | 0.515 | | IRC | | | | |
| 22574+1958 | COU334 | 8.9 | 0.9 | 2008.574 | 256.0 | 1.138 | | IRC | | | | |
| 22574+1958 | COU334 | 8.9 | 0.9 | 2008.587 | 255.2 | 1.141 | | IRC | 3Q-ly | | | |
| 22576+1919 | HU397 | 9.4 | 2.6 | 2008.710 | 263.4 | 1.186 | | IRC | 3Q-dv | | | |
| 22580+4954 | HDS3268 | 10.8 | 0.4 | 2008.904 | 256.2 | 0.660 | 0.1 | AF | 3Q-dv-b | | | |
| 22582+4503 | COU2450 | 10.9 | 0.1 | 2008.579 | 328.2 | 0.463 | | IRC | | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22587+2611 | COU543 | 9.5 | −0.0 | 2008.587 | 88.2: | 0.215: | | IRC | | | | |
| 23001+5937 | MLR268 | 8.9 | 2.3 | 2008.765 | 178.6 | 1.054 | | AF | 2Q-dv | | | |
| 23009+3522 | HU991 | 10.2 | 0.9 | 2008.563 | 116.9 | 0.811 | | IRC | | −40.5 | +0.141 | Baz1985b |
| 23014+4638 | A193 | 9.6 | 0.2 | 2008.904 | 175.8 | 1.493 | 1.5 | AF | 2Q-dv-b | | | |
| 23015+6041 | A635 | 9.1 | 2.0 | 2008.648 | 38.4 | 0.949 | | IRC | | | | |
| 23019+3642 | COU843Aa | 10.2 | −0.0 | 2008.579 | 128.7 | 1.034 | | IRC | | | | |
| 23020+4800 | A194 | 8.7 | 0.1 | 2008.631 | 100.4 | 0.171 | | IRC | | −5.6 | −0.042 | Doc2004f |
| 23024+1837 | HU398 | 9.6 | 0.5 | 2008.574 | 105.3 | 0.459 | | IRC | | −5.8 | +0.015 | Baz1981 |
| 23024+6413 | MLR69 | 8.6 | 0.8 | 2008.656 | 120.6 | 0.283 | | IRC | | | | |
| 23024+6413 | MLR69 | 8.6 | 0.8 | 2008.656 | 129.3: | 0.290: | 1.3 | IRC | ly (ni) | | | |
| 23027+6408 | HU1200 | 10.2 | 0.2 | 2008.820 | 165.4 | 0.502 | | AF | 2Q-dv | | | |
| 23034+4817 | COU2337 | 10.6 | 0.1 | 2008.631 | 163.8 | 0.491 | | IRC | 2Q-ly | | | |
| 23036+6445 | MLR78 | 9.2 | 1.9 | 2008.656 | 288.7 | 0.530 | | IRC | 4Q-ly | | | |
| 23039+2512 | COU142 | 10.9 | 0.1 | 2008.587 | 7.9 | 0.509 | | IRC | 1Q-ly | | | |
| 23040+4835 | A195 | 9.0 | 1.8 | 2008.904 | 32.3 | 1.773 | | AF | 1Q-dv-b | | | |
| 23047+2353 | COU143 | 10.8 | 0.1 | 2008.669 | 48.7 | 0.603 | | IRC | 1Q-ly | | | |
| 23048+6405 | MLR70 | 7.8 | 1.6 | 2008.765 | 249.9 | 0.553 | | AF | 3Q-dv | | | |
| 23052+5815 | A636 | 8.5 | 2.4 | 2008.820 | 78.3 | 0.927 | | AF | | | | |
| 23058+4032 | COU1490 | 10.9 | 0.2 | 2008.664 | 76.3 | 0.515 | | IRC | | | | |
| 23062+4147 | HO194 | 7.3 | 2.1 | 2008.664 | 58.0 | 0.470 | | IRC | 1Q-ly | | | |
| 23067+3302 | COU741Aa | 10.5 | 1.6 | 2008.664 | 189.6 | 0.891 | | IRC | 3Q-ly | | | |
| 23073+6239 | TDS1202 | 10.7 | 1.0 | 2008.820 | 129.8: | 0.935: | | AF | b | | | |
| 23074+4625 | COU2339 | 10.9 | 0.2 | 2008.904 | 250.3 | 0.598: | 0.1 | AF | dv-b (ni) | | | |
| 23077+4436 | COU1843 | 10.0 | 1.1 | 2008.904 | 282.2 | 1.099 | 0.9: | AF | 4Q-dv-b | | | |
| 23078+6338 | HU994 | 7.2 | 0.3 | 2008.765 | 318.7 | 0.183 | | AF | 4Q-dv | +6.1 | −0.068 | Doc1991e |
| 23082+4038 | COU1344 | 10.3 | −0.0 | 2008.631 | 137.5 | 0.315 | | IRC | 2Q-ly | | | |
| 23083+2642 | COU438 | 10.3 | 0.7 | 2008.669 | 65.0 | 0.848 | | IRC | 1Q-ly | | | |
| 23087+1533 | HU995 | 9.9 | 0.8 | 2008.574 | 196.7 | 0.840 | | IRC | | | | |
| 23088+1058 | A1238AB | 8.2 | 0.6 | 2008.574 | 120.9 | 0.302 | | IRC | | +0.1 | 0.000 | Sca2001g |
| 23089+4705 | COU2340 | 9.8 | 1.6 | 2008.904 | 97.1 | 1.482 | | AF | 2Q-dv-b | | | |
| 23092+5747 | MLR559 | 11.1 | 0.0 | 2008.765 | 104.0 | 1.123 | | AF | 2Q-dv | | | |
| 23099+4447 | COU1844 | 10.2 | 0.1 | 2008.664 | 168.3 | 0.506 | | IRC | | | | |
| 23099+4452 | COU2341 | 8.6 | 1.8 | 2008.664 | 23.2 | 0.911 | | IRC | 1Q-ly | | | |
| 23107+4509 | COU2342 | 10.8 | 0.2 | 2008.639 | 158.3 | 0.512 | | IRC | 2Q-ly | | | |
| 23107+5900 | MLR364 | 10.0 | −0.0 | 2008.765 | — | — | | AF | S | | | |
| 23109+1648 | J295BC | 9.5 | 3.0 | 2008.710 | — | — | | IRC | S | | | |
| 23109+5807 | HDS3303Aa | 9.6 | 0.7 | 2008.820 | 4.1: | 0.223: | | AF | | | | |
| 23110+6251 | HDS3304 | 9.5 | 1.8 | 2008.765 | 162.8 | 0.822 | | AF | 2Q-dv | | | |
| 23114+3813 | HO197AB | 8.5 | 0.7 | 2008.579 | 101.5 | 0.190 | | IRC | | −20.2 | −0.235 | Doc1990c |
| 23117+3730 | A1480 | 9.9 | 0.5 | 2008.664 | 223.4 | 0.749 | | IRC | 3Q-ly | | | |
| 23130+2414 | TDT3938 | 10.7 | −0.0 | 2008.689 | — | — | | IRC | S | | | |
| 23130+4658 | COU2343 | 9.8 | −0.0 | 2008.631 | — | — | | IRC | S | | | |
| 23131+4622 | A198 | 10.1 | 0.0 | 2008.639 | 343.4 | 0.598 | 0.0 | IRC | ly (ni) | | | |
| 23131+4622 | A198 | 10.1 | 0.0 | 2008.639 | 344.1 | 0.591 | | IRC | | | | |
| 23135+3945 | COU1493 | 10.4 | −0.0 | 2008.664 | 52.3 | 0.525 | | IRC | | | | |
| 23141+1010 | HDS3308 | 10.2 | 0.3 | 2008.574 | — | — | | IRC | S | | | |
| 23142+5000 | HU788 | 9.7 | 0.6 | 2008.631 | — | — | | IRC | S | | | |
| 23147+4116 | A200 | 8.7 | 0.5 | 2008.904 | 76.7 | 0.587 | 0.6 | AF | 1Q-dv | | | |
| 23151+4319 | A201AB | 8.4 | 1.9 | 2008.904 | 23.2 | 0.529 | 0.6 | AF | 1Q-dv | | | |
| 23151+5341 | MLR618 | 10.5 | 0.6 | 2008.639 | 285.0 | 1.011 | | IRC | 4Q-ly | | | |
| 23164+6407 | BU992 | 8.2 | 0.1 | 2008.765 | 19.5 | 0.269 | | AF | 1Q-dv | −5.4 | −0.095 | Val1981d |
| 23168+6148 | BU853AB | 9.8 | 0.4 | 2008.820 | 231.2 | 0.521 | | AF | 3Q-dv | | | |
| 23174+6051 | LEI30AB | 11.6 | 2.9 | 2008.779 | — | — | | AF | S-b | | | |
| 23182+6150 | MLR512AB | 10.6 | 0.1 | 2008.779 | 308.9 | 0.504 | | AF | 4Q-dv | | | |
| 23190+4726 | A639 | 10.7 | 0.1 | 2008.639 | 102.2 | 0.786 | | IRC | 2Q-ly | | | |
| 23207+3855 | COU1494 | 10.4 | 1.5 | 2008.689 | 332.6 | 1.881 | | IRC | 4Q-ly | | | |
| 23209+1643 | HEI88 | 9.1 | 0.8 | 2008.574 | — | — | | IRC | S | | | |
| 23210+4926 | COU2700 | 9.8 | 1.0 | 2008.904 | 60.9 | 0.854 | 0.8: | AF | 1Q-dv-b | | | |
| 23212+4219 | COU1647 | 9.3 | 1.0 | 2008.904 | 184.1 | 1.093 | | AF | 3Q-dv | | | |
| 23212+6035 | A640 | 10.6 | 0.2 | 2008.779 | 16.7 | 0.930 | 0.4 | AF | 1Q-dv | | | |


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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23215+4534 | COU2246 | 10.3 | −0.0 | 2008.587 | — | — | | IRC | S | | | |
| 23215+4534 | COU2246 | 10.3 | −0.0 | 2008.587 | 295.6: | 0.726: | | IRC | b | | | |
| 23221+6120 | HU997AB | 10.3 | 0.1 | 2008.779 | 135.3 | 0.626 | | AF | 2Q-dv-b | | | |
| 23231+4109 | COU1648 | 9.7 | 4.3 | 2008.587 | 143.6 | 2.143 | | IRC | 2Q-b | | | |
| 23237+3739 | A1483 | 9.5 | 0.3 | 2008.664 | 144.8 | 0.568 | | IRC | 2Q-ly | | | |
| 23239+3456 | COU1346 | 9.3 | 0.3 | 2008.664 | 67.0 | 0.205 | | IRC | 1Q-ly | | | |
| 23245+5926 | MLR442 | 11.6 | 0.5 | 2008.765 | 169.7 | 0.617 | | AF | | | | |
| 23245+5926 | MLR442 | 11.6 | 0.5 | 2008.765 | 170.0 | 0.605 | 0.0 | AF | dv (ni) | | | |
| 23253+5321 | MLR619 | 10.3 | 0.5 | 2008.639 | 20.5 | 0.910 | | IRC | 1Q-ly | | | |
| 23266+2342 | COU338 | 8.5 | 0.4 | 2008.574 | — | — | | IRC | S | | | |
| 23269+6414 | MLR72 | 9.3 | −0.0 | 2008.765 | 357.8 | 0.169 | | AF | 4Q-dv | | | |
| 23276+6034 | MLR20 | 10.0 | 0.0 | 2008.820 | 192.6 | 0.422 | | AF | 3Q-dv | | | |
| 23282+4200 | COU1846 | 10.4 | 0.1 | 2008.579 | — | — | | IRC | S | | | |
| 23282+4200 | COU1846 | 10.4 | 0.1 | 2008.587 | 155.1 | 0.203 | | IRC | | | | |
| 23284+2251 | COU242 | 9.1 | 2.7 | 2008.710 | 325.1 | 1.933 | | IRC | 4Q-dv | | | |
| 23285+3153 | J3303 | 10.9 | 0.3 | 2008.710 | 278.8 | 1.541 | 0.4 | IRC | dv (ni) | | | |
| 23285+3153 | J3303 | 10.9 | 0.3 | 2008.710 | 279.5 | 1.476 | | IRC | | | | |
| 23285+5524 | A1486 | 9.5 | 1.1 | 2008.765 | 262.8 | 0.828 | 2.1 | AF | 3Q-dv | | | |
| 23291+4324 | A109 | 10.1 | 0.2 | 2008.664 | 312.9 | 0.871 | | IRC | | | | |
| 23292+4042 | A1487 | 9.0 | 0.5 | 2008.904 | 158.8 | 1.066 | 0.6 | AF | 2Q-dv | | | |
| 23296+2617 | A420AB | 10.6 | 0.1 | 2008.669 | 108.5 | 0.596 | | IRC | | | | |
| 23298+3142 | COU544 | 7.7 | 3.3 | 2008.689 | 262.8 | 1.052 | | IRC | 3Q-ly | | | |
| 23298+4740 | COU2345 | 10.7 | 0.1 | 2008.587 | 295.6 | 0.726 | | IRC | | | | |
| 23298+4740 | COU2345 | 10.7 | 0.1 | 2008.631 | 296.9 | 0.735 | 1.2 | IRC | 4Q-ly | | | |
| 23300+5833 | BU1149Ia | 10.8 | 0.4 | 2008.765 | 287.4 | 0.336 | | AF | 4Q-dv | | | |
| 23304+3050 | BU1266AB | 8.4 | 0.2 | 2008.664 | — | — | | IRC | S | | | |
| 23307+6419 | BU774 | 8.7 | 1.0 | 2008.820 | 334.1 | 0.624 | | AF | 4Q-dv | | | |
| 23309+3920 | COU1348 | 10.1 | −0.0 | 2008.664 | 34.1: | 0.243: | | IRC | | | | |
| 23309+5823 | BU1151CD | 9.7 | −0.0 | 2008.765 | 293.6 | 0.403 | | AF | | | | |
| 23309+5823 | BU1151CD | 9.7 | −0.0 | 2008.779 | 291.1 | 0.390 | 0.9: | AF | 4Q-ly | | | |
| 23321+5123 | COU2669 | 9.5 | 3.5 | 2008.587 | 342.9 | 0.823 | | IRC | 4Q-ly | | | |
| 23322+1942 | COU340 | 9.3 | −0.0 | 2008.574 | 53.4 | 0.313 | | IRC | | | | |
| 23326+4949 | A1489 | 10.3 | 0.0 | 2008.579 | 216.4 | 0.451 | | IRC | | | | |
| 23326+6658 | MLR100 | 11.1 | 0.3 | 2008.765 | 21.0 | 0.915 | 0.6 | AF | 1Q-dv | | | |
| 23332+5724 | A641BC | 9.0 | 1.8 | 2008.779 | 166.2 | 0.294 | | AF | | | | |
| 23333+4643 | COU2247 | 10.9 | 0.1 | 2008.904 | 76.3 | 0.830 | 0.1 | AF | 1Q-dv-b | | | |
| 23335+5210 | A1490 | 8.2 | 4.0 | 2008.639 | 194.7 | 0.786 | | IRC | 3Q-ly | | | |
| 23345+2703 | COU440 | 10.5 | 0.8 | 2008.710 | 234.6 | 1.821 | | IRC | | | | |
| 23345+2703 | COU440 | 10.5 | 0.8 | 2008.710 | 236.5 | 1.808 | 2.0 | IRC | dv (ni) | | | |
| 23347+1914 | COU341 | 9.5 | 2.7 | 2008.710 | 118.4: | 0.850: | | IRC | | | | |
| 23348+5018 | COU2671 | 10.1 | −0.0 | 2008.587 | 99.3 | 0.292: | | IRC | | | | |
| 23351+4908 | COU2672 | 10.2 | 0.4 | 2008.904 | 291.2 | 0.631 | 0.2 | AF | 4Q-dv-b | | | |
| 23355+5401 | MLR620 | 8.7 | 0.8 | 2008.639 | 224.3 | 0.574 | | IRC | 3Q-ly | | | |
| 23358+4729 | COU2347 | 10.8 | 0.1 | 2008.639 | 149.6 | 0.359 | | IRC | | | | |
| 23363+5428 | A1491 | 8.7 | 1.5 | 2008.639 | 88.5 | 0.509 | | IRC | | | | |
| 23365+5136 | COU2673 | 9.4 | 0.3 | 2008.639 | 106.6 | 0.362 | | IRC | 2Q-ly | | | |
| 23375+3308 | COU745 | 10.7 | 1.0 | 2008.710 | 6.8 | 1.836 | | IRC | | | | |
| 23375+3308 | COU745 | 10.7 | 1.0 | 2008.710 | 6.8 | 1.857 | 1.5 | IRC | dv (ni) | | | |
| 23375+4922 | COU2674 | 8.6 | 0.8 | 2008.579 | 18.3 | 0.339 | | IRC | 1Q-ly | | | |
| 23378+6601 | HU1324 | 10.3 | 0.6 | 2008.765 | 0.4 | 0.359 | | AF | | +9.4 | +0.069 | Hei1998 |
| 23378+6601 | HU1324 | 10.3 | 0.6 | 2008.765 | 358.2 | 0.352 | 0.2 | AF | dv (ni) | | | |
| 23378+6813 | BU855 | 9.4 | 0.5 | 2008.820 | 199.8 | 0.862 | | AF | 3Q-dv | | | |
| 23379+2510 | COU441 | 10.1 | 2.4 | 2008.669 | 10.6 | 0.668 | | IRC | | | | |
| 23382+3250 | HU792 | 9.8 | 0.3 | 2008.689 | 34.7: | 0.480: | | IRC | 1Q-ly: | | | |
| 23382+5514 | A1493 | 9.4 | 0.2 | 2008.820 | 132.4 | 0.227 | | AF | | +27.1 | +0.127 | Doc2007d |
| 23393+4543 | A643A,Ba | 8.4 | 0.0 | 2008.579 | 132.5 | 0.255 | | IRC | | −4.0 | +0.029 | Ole2005c |
| 23394+3301 | ES2326 | 10.9 | 1.4 | 2008.710 | 182.6 | 1.497 | | IRC | 3Q-dv | | | |
| 23401+6015 | MLR366 | 10.3 | 0.5 | 2008.765 | 332.9 | 0.779 | 0.7 | AF | dv (ni) | | | |
| 23401+6015 | MLR366 | 10.3 | 0.5 | 2008.765 | 333.7 | 0.817 | | AF | | | | |
| 23405+6733 | BU857 | 9.0 | 0.8 | 2008.779 | 298.7 | 1.185 | 1.4 | AF | dv (ni) | | | |

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**Table 2** Measurements of binaries with the Nice 76cm-refractor (cont.)

| WDS | Name | $m_{VA}$ mag | $\Delta m_V$ mag | Epoch | $\theta$ (°) | $\rho$ (″) | $\Delta m_F$ mag | Filter | Notes | $\theta_{O-C}$ (°) | $\rho_{O-C}$ (″) | Orbit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23405+6733 | BU857 | 9.0 | 0.8 | 2008.779 | 298.8 | 1.196 | | AF | | | | |
| 23409+2022 | HO303AB | 8.5 | 2.3 | 2008.574 | 184.0 | 1.151 | | IRC | 3Q | −2.3 | +0.249 | Hei1995 |
| 23411+4613 | MLR4 | 7.7 | 0.4 | 2008.579 | — | — | | IRC | S | | | |
| 23419+5659 | MLR621 | 10.8 | 0.2 | 2008.765 | 159.8 | 0.656 | | AF | 2Q-dv | | | |
| 23424+3903 | A1494 | 9.3 | 1.5 | 2008.664 | 150.9: | 0.106: | | IRC | ly (ni) | +23.9 | +0.006 | Sey2002 |
| 23429+6351 | MLR89 | 10.8 | 0.0 | 2008.765 | 283.0 | 0.497 | | AF | 4Q-dv | | | |
| 23439+2340 | COU442 | 10.7 | 1.4 | 2008.669 | 59.7 | 1.477 | | IRC | 1Q-ly | | | |
| 23445+5449 | MLR622 | 9.6 | 0.2 | 2008.639 | 359.3 | 0.295 | | IRC | 4Q-ly | | | |
| 23447+4305 | COU1999 | 10.7 | 0.1 | 2008.587 | 337.5 | 0.406 | | IRC | 4Q-ly | | | |
| 23451+4751 | COU2149 | 10.3 | −0.0 | 2008.579 | — | — | | IRC | S | | | |
| 23454+6102 | HU1326 | 10.3 | 0.3 | 2008.779 | 256.2 | 0.745 | | AF | 3Q-dv | | | |
| 23463+6957 | MLR278 | 11.0 | 0.1 | 2008.765 | 132.0 | 0.486 | | AF | 2Q-dv | | | |
| 23469+3553 | COU845 | 10.9 | 0.8 | 2008.664 | 123.0 | 0.505 | | IRC | | | | |
| 23469+6824 | HDS3378 | 11.4 | 2.0 | 2008.779 | 158.6: | 2.874: | | AF | b | | | |
| 23481+6349 | BU1152BC | 10.2 | −0.0 | 2008.820 | 97.9 | 0.815: | 0.2 | AF | dv (ni) | | | |
| 23481+6349 | BU1152BC | 10.2 | −0.0 | 2008.820 | 98.3 | 0.828 | | AF | | | | |
| 23485+3608 | COU944 | 8.9 | 0.9 | 2008.579 | 92.4 | 0.172 | | IRC | | | | |
| 23485+3608 | COU944 | 8.9 | 0.9 | 2008.664 | 92.2 | 0.212 | | IRC | 2Q-ly | | | |
| 23491+1915 | COU343 | 9.0 | −0.0 | 2008.574 | 123.4: | 0.211: | | IRC | | | | |
| 23492+5838 | A645 | 10.3 | 0.6 | 2008.779 | 96.4 | 0.842 | 0.7 | AF | dv (ni) | | | |
| 23493+6158 | MLR24AB | 9.4 | 0.6 | 2008.779 | 305.9 | 0.485 | | AF | 4Q-dv | | | |
| 23502+1940 | COU344 | 10.0 | 0.4 | 2008.574 | 324.4 | 0.178 | | IRC | 4Q | −4.0 | +0.027 | Msn2001a |
| 23505+5937 | HDS3386 | 8.4 | 2.7 | 2008.820 | — | — | | AF | S | | | |
| 23506+4705 | A793 | 9.5 | 0.9 | 2008.587 | — | — | | IRC | S | | | |
| 23515+5913 | MLR367 | 9.8 | −0.0 | 2008.765 | 326.5 | 0.711 | | AF | | | | |
| 23519+4708 | COU2349 | 10.0 | 2.0 | 2008.639 | 217.7 | 0.705 | | IRC | 3Q-ly | | | |
| 23520+1252 | A1247 | 9.7 | 0.3 | 2008.574 | 76.6 | 0.403 | | IRC | | +10.1 | +0.092 | Sey2002 |
| 23524+6929 | MLR279 | 9.8 | 0.2 | 2008.779 | 8.9 | 0.224 | | AF | 1Q-dv | | | |
| 23527+2259 | BU859 | 9.8 | 0.0 | 2008.669 | 196.4 | 0.796 | | IRC | 3Q-ly | | | |
| 23545+4408 | COU1497 | 10.4 | 0.1 | 2008.664 | 31.5 | 0.418 | | IRC | | | | |
| 23553+6048 | MLR25 | 9.2 | 1.4 | 2008.765 | 117.0 | 0.501 | | AF | 2Q-dv | | | |
| 23557+4318 | COU1498 | 10.1 | 1.1 | 2008.579 | 7.4: | 0.117: | | IRC | | | | |
| 23561+2327 | HU500 | 9.5 | 0.1 | 2008.669 | 135.1: | 0.131: | 0.5 | IRC | ly (ni) | | | |
| 23571+4114 | COU1499 | 10.9 | 0.6 | 2008.664 | 61.0 | 1.006 | | IRC | 1Q-ly | | | |
| 23573+2744 | A427 | 9.0 | 4.5 | 2008.710 | 221.8 | 1.874 | | IRC | 3Q-dv | | | |
| 23584+1359 | HEI197 | 10.2 | 0.1 | 2008.574 | 113.6 | 0.608 | | IRC | | | | |
| 23585+4815 | COU2150 | 10.1 | −0.0 | 2008.579 | — | — | | IRC | S | | | |
| 23592+4446 | COU1650 | 10.0 | −0.0 | 2008.664 | 85.0 | 0.253 | | IRC | | | | |


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