

NGC 104-X5

Coordinates

RA: 00^h24^m00^s.978
DEC: −72°04′53″.308
Position-uncertainty [arcsec]: 1.019×10^0
Galactic-longitude [deg]: 305.9
Galactic-latitude [deg]: −44.89
Coordinate-Reference: Evans et al. (2010)

Binary System

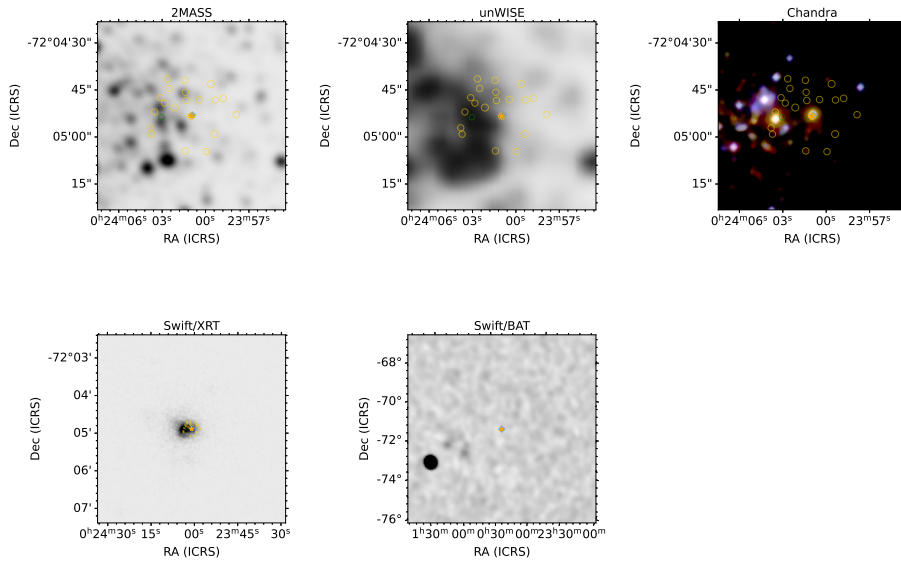
Alternative Name: CXOG1b J002400.9-720453
X-ray Type: GC, QNS, XT
Mean Distance [kpc]: 4.53
Distance Range [kpc]: 4.49 – 4.61
Distance-Reference: Bogdanov et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.04

Compact Object

Orbital Period [d]: 0.3611
 Ritter & Kolb (2003)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 21.700000762939453



NGC 104-X9

Coordinates

RA: $00^{\text{h}}24^{\text{m}}04^{\text{s}}.264$
DEC: $-72^{\circ}04'058''.09$
Position-uncertainty [arcsec]: 1.013×10^{-1}
Galactic-longitude [deg]: 305.9
Galactic-latitude [deg]: -44.89
Coordinate-Reference: Tudor et al. (2022)

Binary System

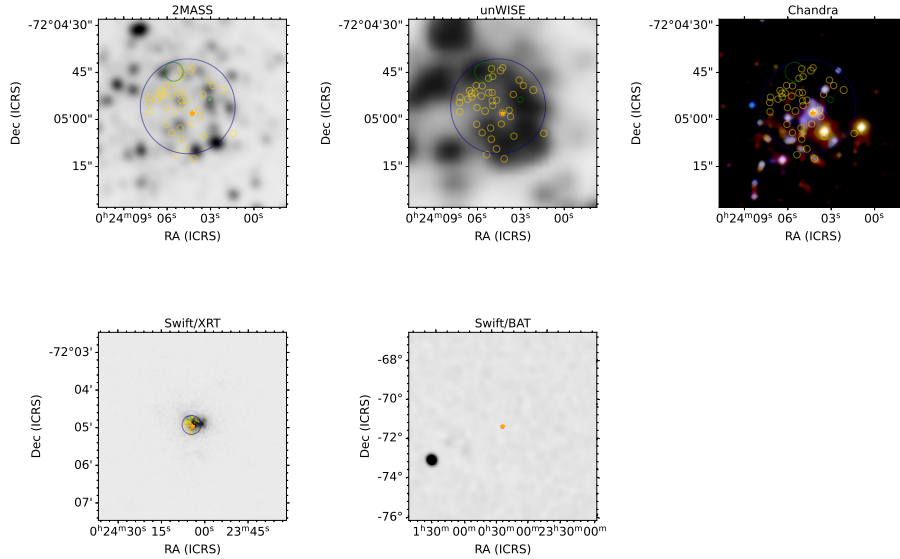
Alternative Name: RX J0021.8-7221
X-ray Type: XT, BH?, RP, GC
Mean Distance [kpc]: 4.53
Distance Range [kpc]: 4.49 – 4.61
Distance-Reference: Bogdanov et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.04

Compact Object

Orbital Period [d]: 0.019569444444444445
 Bahramian et al. (2017b)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD?
 Church et al. (2017)
V [mag]: 19.77199935913086



NGC 104-X7

Coordinates

RA: 00^h24^m05^s.007
DEC: −72°04′051″.27
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 305.9
Galactic-latitude [deg]: −44.89
Coordinate-Reference: Evans et al. (2010)

Binary System

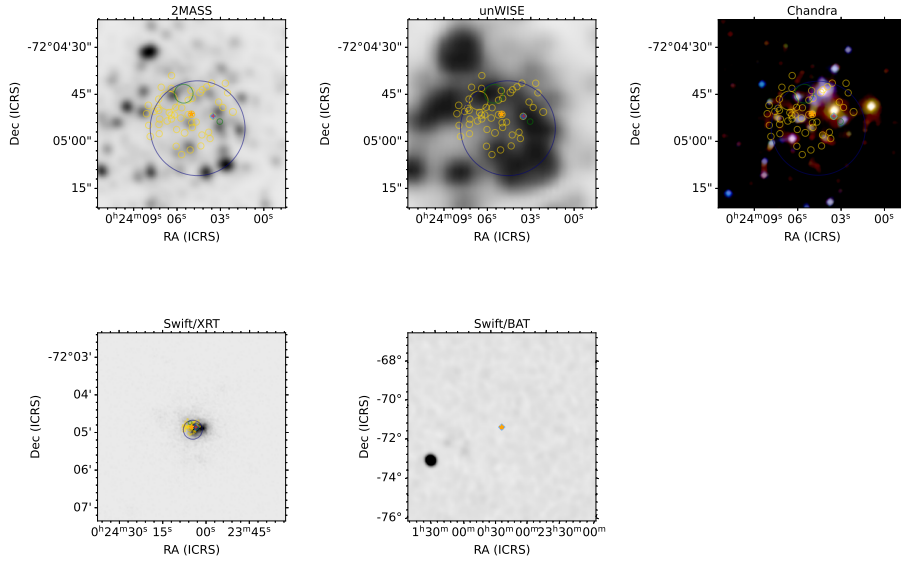
Alternative Name: CXOG1b J002403.4-720451
X-ray Type: GC, QNS, XT
Mean Distance [kpc]: 4.53
Distance Range [kpc]: 4.49 – 4.61
Distance-Reference: Bogdanov et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.04

Compact Object

Orbital Period [d]: 0.23
 Ritter & Kolb (2003)

Optical Counterpart

Gaia DR3 Name:



NGC 104-W37

Coordinates

RA: $00^{\text{h}}24^{\text{m}}05^{\text{s}}.684$
DEC: $-72^{\circ}05'04''.224$
Position-uncertainty [arcsec]: 1.019×10^0
Galactic-longitude [deg]: 305.89
Galactic-latitude [deg]: -44.89
Coordinate-Reference: Evans et al. (2010)

Binary System

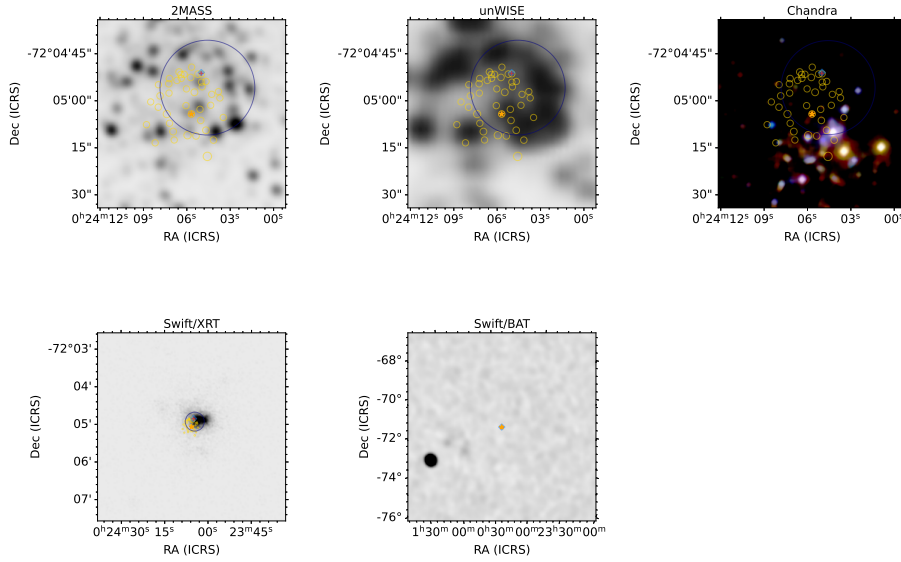
Alternative Name: Cl* NGC 104 HH 2101
X-ray Type: GC, QNS
Mean Distance [kpc]: 4.53
Distance Range [kpc]: 4.49 – 4.61
Distance-Reference: Bogdanov et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.04

Compact Object

Orbital Period [d]: 0.1286
 Ritter & Kolb (2003)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 12.960000038146973



IGR J00291+5934

Coordinates

RA: 00^h29^m03^s.042
DEC: +59°34′19″.002
Position-uncertainty [arcsec]: 1.008×10^0
Galactic-longitude [deg]: 120.1
Galactic-latitude [deg]: -3.18
Coordinate-Reference: Evans et al. (2010)

Binary System

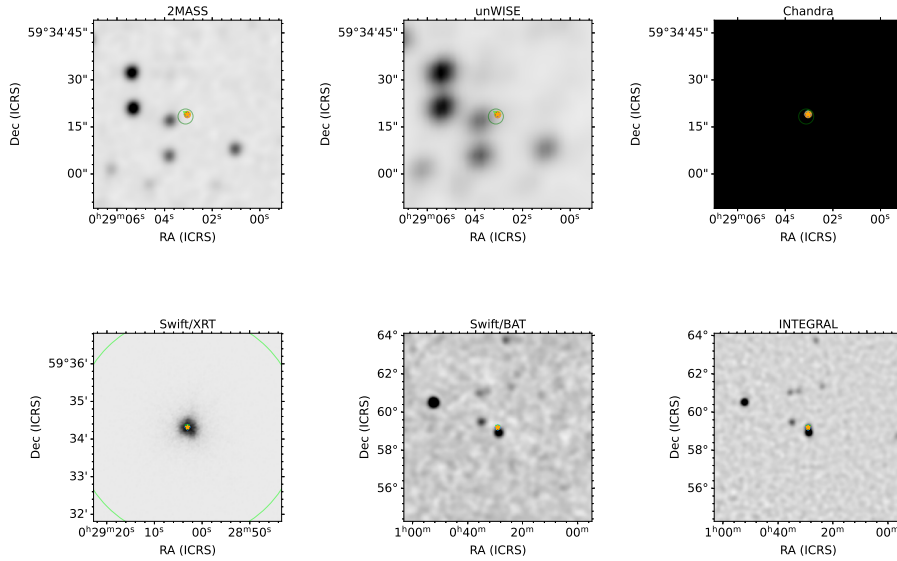
Alternative Name: V1037 Cas
X-ray Type: XP, XT, RP
Mean Distance [kpc]: 3.1
Distance Range [kpc]: 2.6 – 3.6
Distance-Reference: Stewart et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.62

Compact Object

Orbital Period [d]: 0.1025
 Liu et al. (2007)
Pulse Period [s]: 0.00167
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 244.44
soft X-ray variability: 6417.33
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 23.31 - 82.69
hard X-ray variability: 3.55

Optical Counterpart

Gaia DR3 Name:



3U 0042+32

Coordinates

RA: 00^h44^m50^s.519
DEC: +33°01'09"204
Position-uncertainty [arcsec] : 1.010×10^0
Galactic-longitude [deg]: 121.34
Galactic-latitude [deg]: -29.83
Coordinate-Reference: Evans et al. (2010)

Binary System

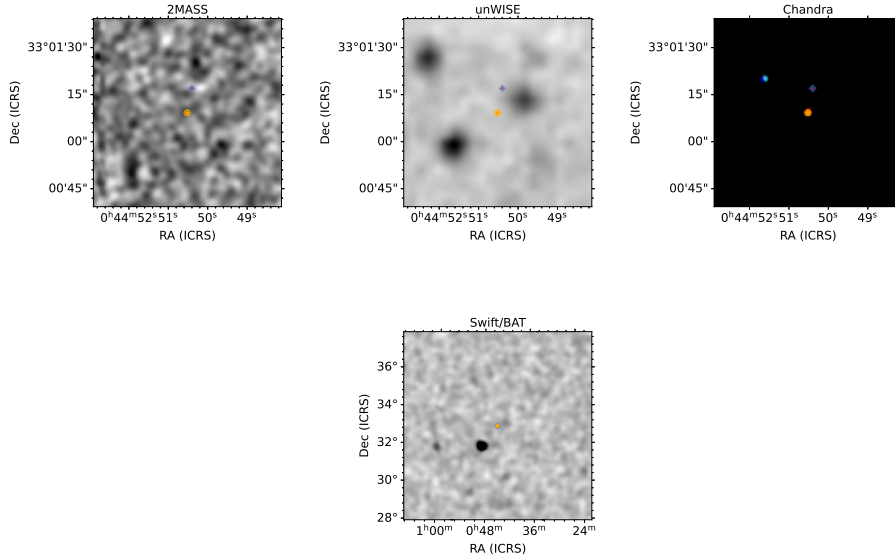
Alternative Name: N Per 1992
X-ray Type: XT
Mean Distance [kpc]: 5.0
Distance Range [kpc]: 2.5 – 10.0
Distance-Reference: Charles et al. (1978)
Hydrogen Column density [10^{21}cm^{-2}]: 0.06

Compact Object

Orbital Period [d]: 11.6
 Watson & Ricketts (1978)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G?
 Charles et al. (1978)
V [mag]: 19.299999237060547



4FGL J0407.7-5702

Coordinates

RA: 04^h07^m31^s.722
DEC: −57°00′25″.272
Position-uncertainty [arcsec]: 6.554×10^{-4}
Galactic-longitude [deg]: 267.77
Galactic-latitude [deg]: −44.45
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

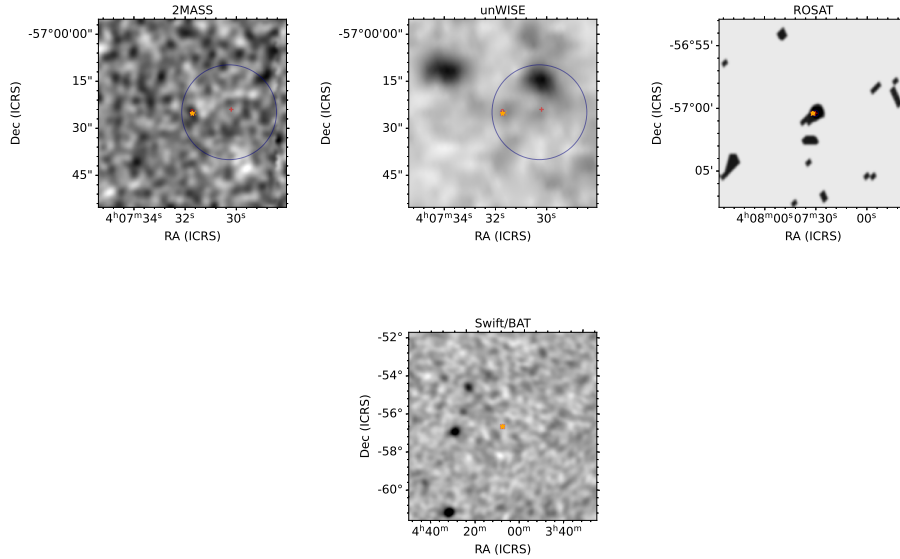
Alternative Name:
X-ray Type: XP?
Mean Distance [kpc]: 7.0
Distance Range [kpc]: 6.0 – 13.0
Distance-Reference: Miller et al. (2020)
Hydrogen Column density [10^{21}cm^{-2}]: 0.01

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.36 - 0.5
soft X-ray variability: 1.38

Optical Counterpart

Gaia DR3 Name: 4682464743003293312
G [mag]: 20.107(0.010)
W1 [mag]: 18.02(0.07)
W2 [mag]: 17.82(0.20)



GRO J0422+32

Coordinates

RA: $04^{\text{h}}21^{\text{m}}42^{\text{s}}.723$
DEC: $+32^{\circ}54'26''.939$
Position-uncertainty [arcsec]: 1.004×10^{-2}
Galactic-longitude [deg]: 165.88
Galactic-latitude [deg]: -11.91
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

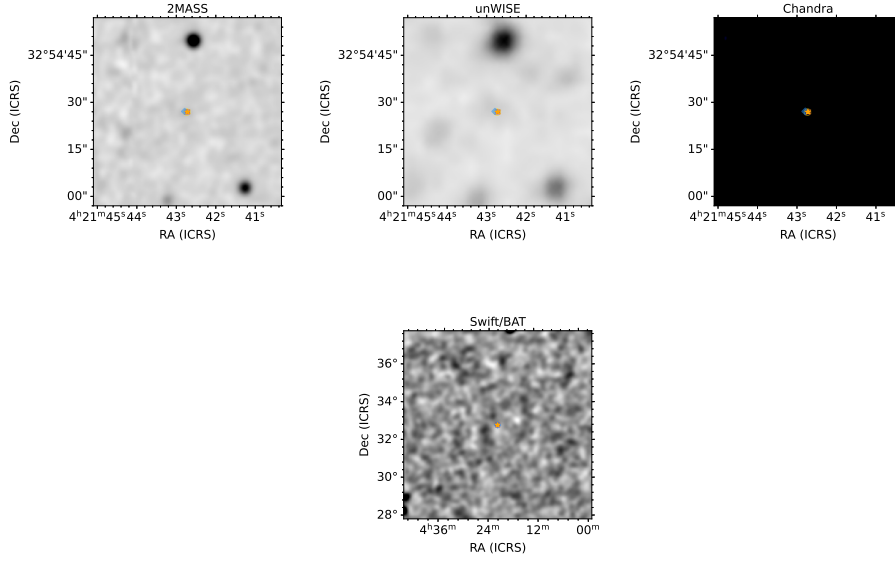
Alternative Name: V518 Per
X-ray Type: BH, PSH, XT, RP
Mean Distance [kpc]: 2.49
Distance Range [kpc]: 2.3 – 2.65
Distance-Reference: Arnason et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.2

Compact Object

Orbital Period [d]: 0.21216666666666664
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 14400.0
soft X-ray variability: 1500000.0

Optical Counterpart

Gaia DR3 Name: 172650748928103552
Spectral Type: M4.5V
G [mag]: 20.80(0.04)
V [mag]: 13.199999809265137
W1 [mag]: 16.63(0.04)
W2 [mag]: 16.84(0.17)



4FGL J0427.8-6704

Coordinates

RA: 04^h27^m49^s.646
DEC: −67°04′35″.061
Position-uncertainty [arcsec]: 1.001×10^{-4}
Galactic-longitude [deg]: 279.14
Galactic-latitude [deg]: −38.55
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

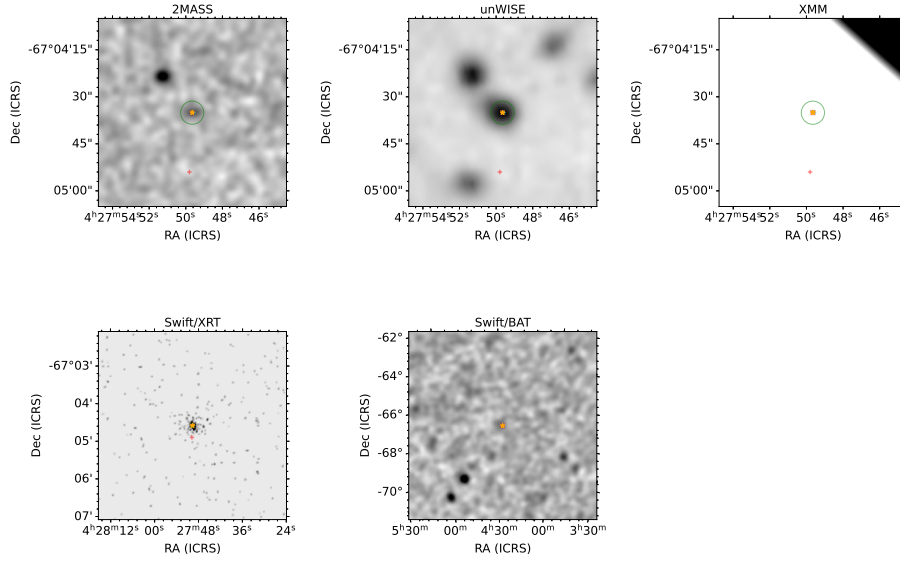
Alternative Name: 1SXPS J042749.2-670434
X-ray Type: XT, XP?, RP?
Mean Distance [kpc]: 2.2
Distance Range [kpc]: 2.18 – 2.21
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 5.8

Compact Object

Orbital Period [d]: 0.36672
 Strader et al. (2016)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.5 – 16.1
soft X-ray variability: 10.73

Optical Counterpart

Gaia DR3 Name: 4656677385699742208
Spectral Type: K?
 Coti Zelati et al. (2019)
G [mag]: 17.726(0.021)
J [mag]: 16.14(0.05)
H [mag]: 15.69(0.08)
K [mag]: 15.43(0.09)
W1 [mag]: 15.564(0.025)
W2 [mag]: 15.445(0.030)



AT2019wey*Coordinates*

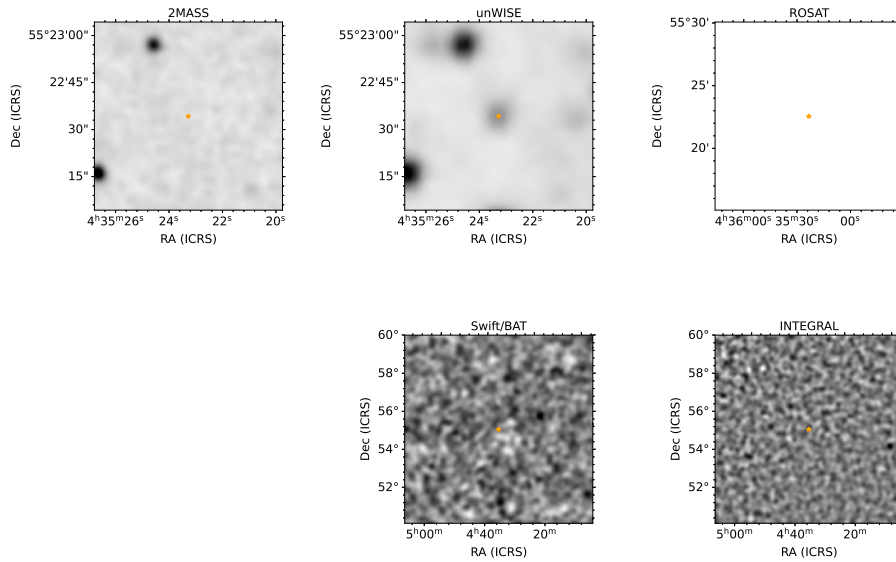
RA: 04^h35^m023^s.28
DEC: +55°22'034"25
Position-uncertainty [arcsec] : 1.200×10^{-1}
Galactic-longitude [deg]: 151.16
Galactic-latitude [deg]: 5.3
Coordinate-Reference: Giroletti et al. (2020)

Binary System

Alternative Name: SRGA J043520.9+552226
X-ray Type: XT, RP, MQ, BH?
Mean Distance [kpc]: 6.0
Distance Range [kpc]: 3.2 – 10.0
Distance-Reference: Cao et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.86

*Optical Counterpart***Gaia DR3 Name:**

J [mag]: 16.18(0.16)
H [mag]: 16.38(0.10)
K [mag]: 16.03(0.17)



4U 0513-40

Coordinates

RA: 05^h14^m00^s.41
DEC: −40°02′038″.22
Position-uncertainty [arcsec]: 1.612×10^{-1}
Galactic-longitude [deg]: 244.51
Galactic-latitude [deg]: −35.04
Coordinate-Reference: Zurek et al. (2009)

Binary System

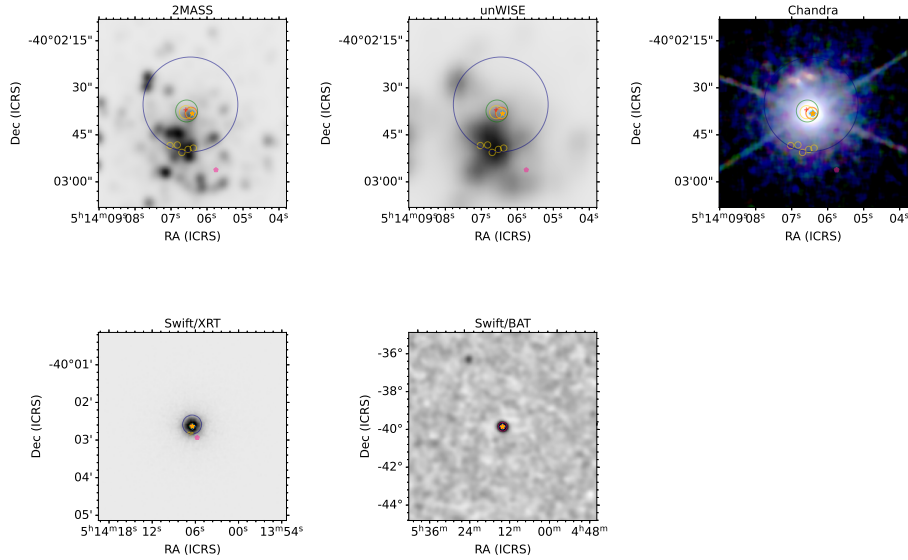
Alternative Name: XB 0512-401
X-ray Type: GC, XB
Mean Distance [kpc]: 12.0
Distance-Reference: Harris (1996)
Hydrogen Column density [10^{21}cm^{-2}]: 0.11

Compact Object

Orbital Period [d]: 0.01180555555555557
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 97.34 - 208.4
soft X-ray variability: 2.14

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD
Zurek et al. (2009)



4FGL J0540.0-7552*Coordinates*

RA: 05^h40^m01^s.892
DEC: −75°54′19″.265
Position-uncertainty [arcsec]: 5.642×10^{-4}
Galactic-longitude [deg]: 287.31
Galactic-latitude [deg]: −30.58
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

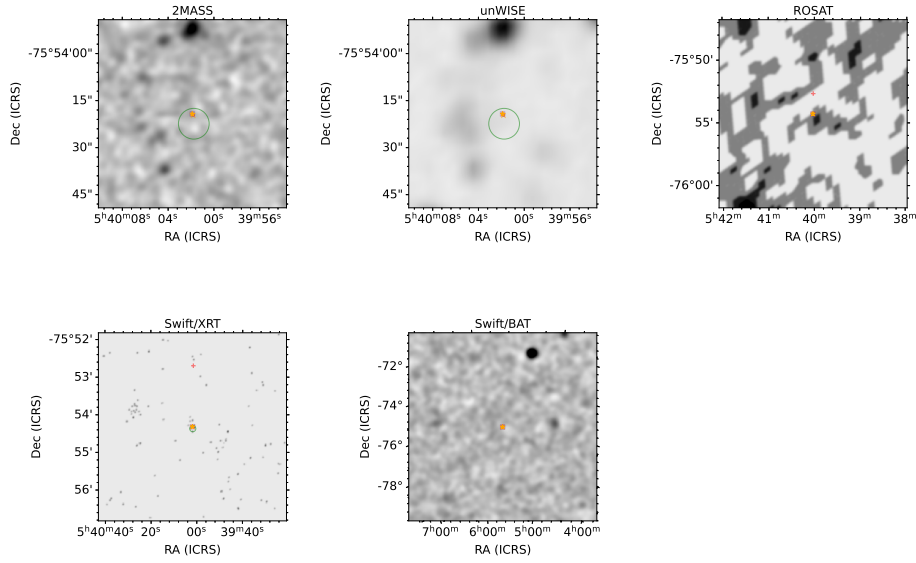
Alternative Name:
X-ray Type: XP?, RP?, XT, EB?
Mean Distance [kpc]: 6.6
Distance Range [kpc]: 5.0 – 8.7
Distance-Reference: Britt et al. (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.05

Compact Object

Orbital Period [d]: 0.1125
 Strader et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 – 1.17
soft X-ray variability: 28.0

Optical Counterpart

Gaia DR3 Name: 4648562676357022208
Spectral Type: K6-7V
 Britt et al. (2017)
G [mag]: 20.189(0.023)
W1 [mag]: 17.74(0.08)
W2 [mag]: 17.653000(0)



MAXI J0556-332

Coordinates

RA: $05^{\text{h}}56^{\text{m}}46^{\text{s}}.286$
DEC: $-33^{\circ}10'26''.361$
Position-uncertainty [arcsec]: 2.643×10^{-4}
Galactic-longitude [deg]: 238.94
Galactic-latitude [deg]: -25.18
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

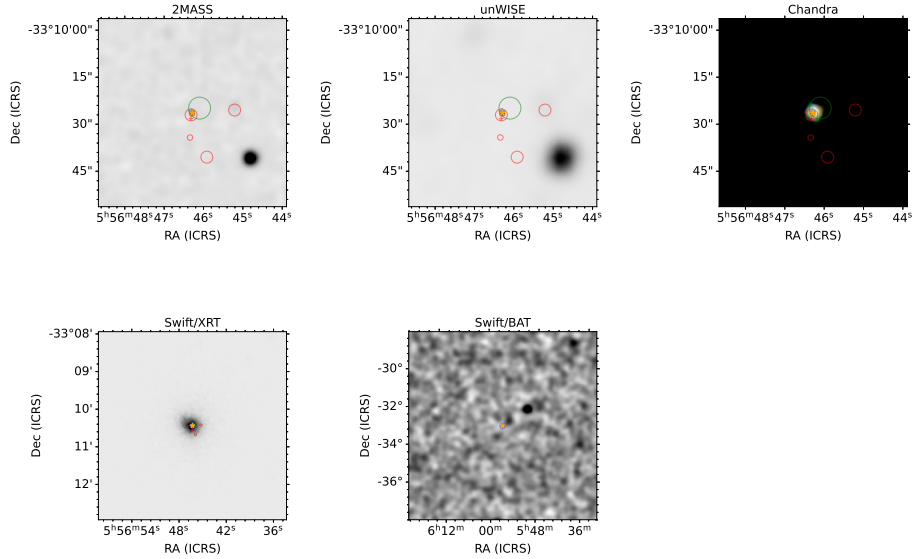
Alternative Name: SSS110126:055646-331027
X-ray Type: XT, AS, XB?, RP?
Mean Distance [kpc]: 43.6
Distance Range [kpc]: 42.0 – 44.5
Distance-Reference: Parikh et al. (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.03

Compact Object

Orbital Period [d]: 0.684
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 860.4
soft X-ray variability: 75496.64

Optical Counterpart

Gaia DR3 Name: 2890346074897001216
G [mag]: 19.504(0.006)



Swift J061223.0+701243

Coordinates

RA: 06^h12^m22^s.627
DEC: +70°12'43".136
Position-uncertainty [arcsec]: 5.151×10^{-3}
Galactic-longitude [deg]: 144.05
Galactic-latitude [deg]: 22.21
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

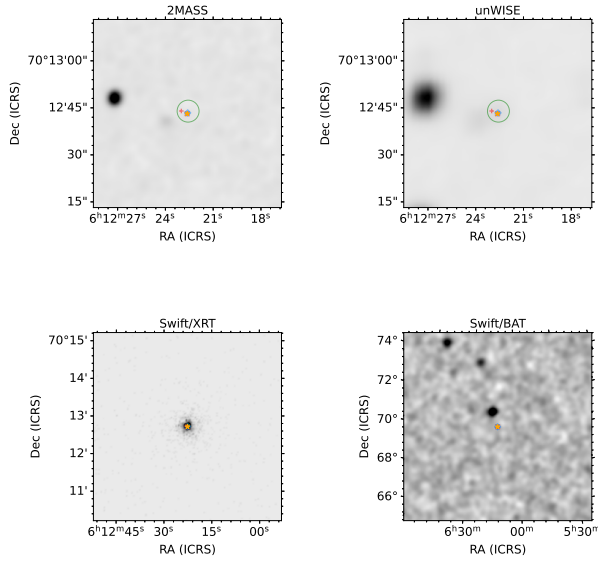
Alternative Name: Swift J061223.0+701243.9
X-ray Type: XT
Hydrogen Column density [10^{21}cm^{-2}]: 0.15

Compact Object

Orbital Period [d]: 0.012499999999999999
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 1107229825742589696
G [mag]: 19.90(0.13)
V [mag]: 19.360000610351562
W1 [mag]: 16.52(0.04)
W2 [mag]: 16.07(0.06)



4U 0614+09

Coordinates

RA: 06^h17^m07^s.358
DEC: +09°08′13″.481
Position-uncertainty [arcsec]: 2.304×10^{-4}
Galactic-longitude [deg]: 200.88
Galactic-latitude [deg]: -3.36
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

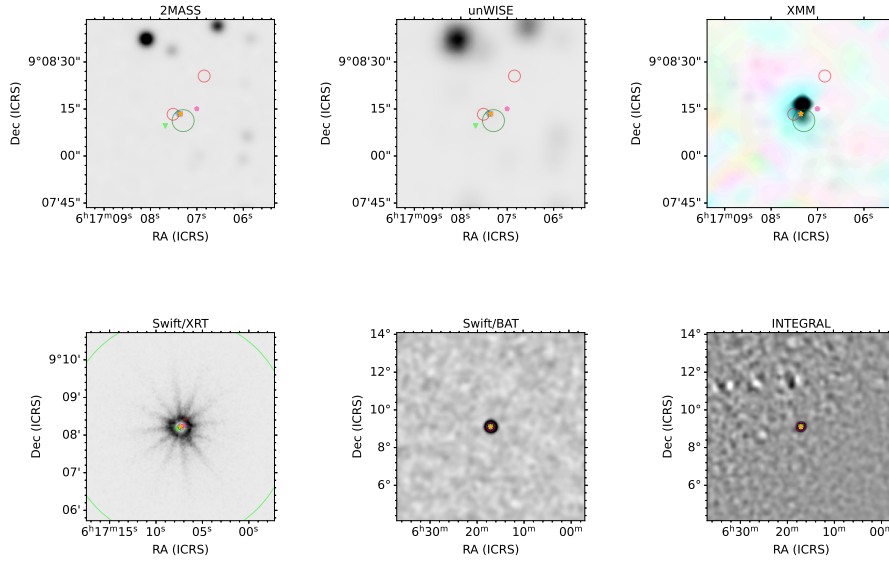
Alternative Name: 2S 0614+091
X-ray Type: PSH, RP?, XB, AS
Mean Distance [kpc]: 3.3
Distance Range [kpc]: 0.9 – 4.6
Distance-Reference: Arnason et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.22

Compact Object

Orbital Period [d]: 0.035625
 Shahbaz et al. (2008)
Pulse Period [s]: 0.0020964360587002098
 Arnason et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 17.91 - 2186.0
soft X-ray variability: 122.07
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 254.83 - 2186.0
hard X-ray variability: 8.58

Optical Counterpart

Gaia DR3 Name: 3328832132393159296
Spectral Type: WD
 Shahbaz et al. (2008)
G [mag]: 18.537(0.012)
V [mag]: 18.5
W1 [mag]: 16.083(0.033)
W2 [mag]: 15.37(0.04)



1A 0620-00*Coordinates*

RA: 06^h22^m44^s.542
DEC: −00°20′44″.373
Position-uncertainty [arcsec]: 1.326×10^{-4}
Galactic-longitude [deg]: 209.96
Galactic-latitude [deg]: −6.54
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

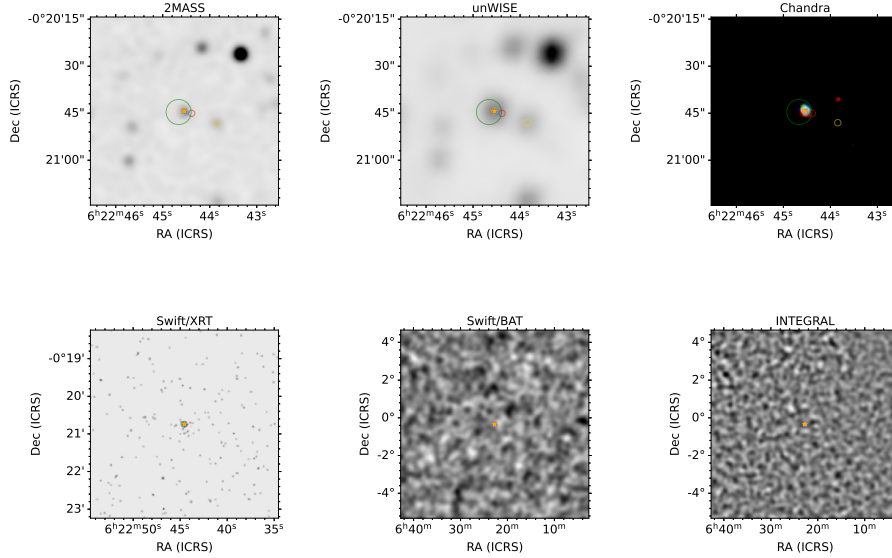
Alternative Name: N Mon 1975
X-ray Type: RP, MQ?, BH, XT, US
Mean Distance [kpc]: 0.59
Distance Range [kpc]: 0.56 – 0.67
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.3

Compact Object

Orbital Period [d]: 0.3229166666666667
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 1200000.0
soft X-ray variability: 726026837.12

Optical Counterpart

Gaia DR3 Name: 3118721026600835328
Spectral Type: K3V-K7V
 Yungelson & Lasota (2008a)
G [mag]: 17.473(0.009)
V [mag]: 11.199999809265137
J [mag]: 15.49(0.05)
H [mag]: 14.74(0.06)
K [mag]: 14.38(0.07)
W1 [mag]: 13.979(0.014)
W2 [mag]: 13.758(0.014)



MAXI J0637-430

Coordinates

RA: 06^h36^m00.23^s7
DEC: -42°52'00.4''1
Position-uncertainty [arcsec] : 7.280×10^{-1}
Galactic-longitude [deg]: 251.52
Galactic-latitude [deg]: -20.67
Coordinate-Reference: Russell et al. (2019a)

Binary System

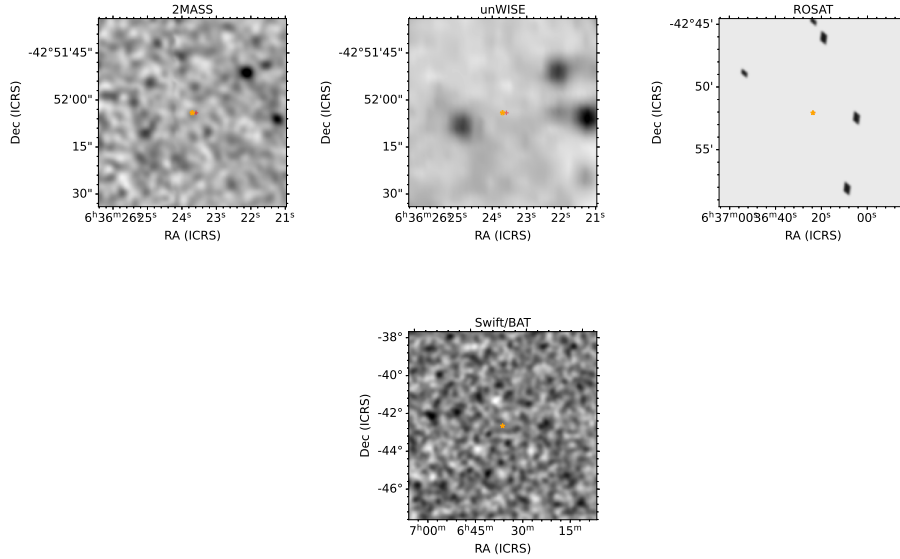
Alternative Name:
X-ray Type: XT, BH?, RP?
Mean Distance [kpc]: 8.7
Distance Range [kpc]: 6.4 – 11.0
Distance-Reference: Soria et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.03

Compact Object

Orbital Period [d]: 0.09166666666666667
Soria et al. (2022)

Optical Counterpart

Gaia DR3 Name:
J [mag]: 17.400(0.010)
H [mag]: 17.690(0.020)
K [mag]: 17.96(0.05)



SRGt J071522.1-191609

Coordinates

RA: 07^h15^m21^s.936
DEC: −19°16′06″.784
Position-uncertainty [arcsec] : 1.900×10^0
Galactic-longitude [deg]: 232.76
Galactic-latitude [deg]: −3.61
Coordinate-Reference: Webb et al. (2020)

Binary System

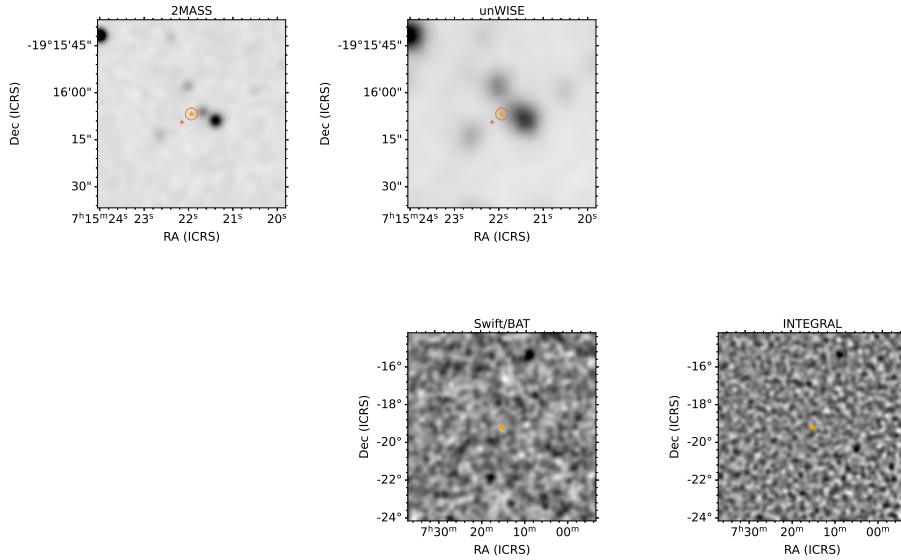
Alternative Name:
X-ray Type: XT

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 13.18
soft X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:



EXO 0748-676

Coordinates

RA: 07^h48^m033^s.71
DEC: −67°45′0007″.7
Position-uncertainty [arcsec] : 2.000×10^{-1}
Galactic-longitude [deg]: 279.98
Galactic-latitude [deg]: −19.81
Coordinate-Reference: Hynes & Jones (2009)

Binary System

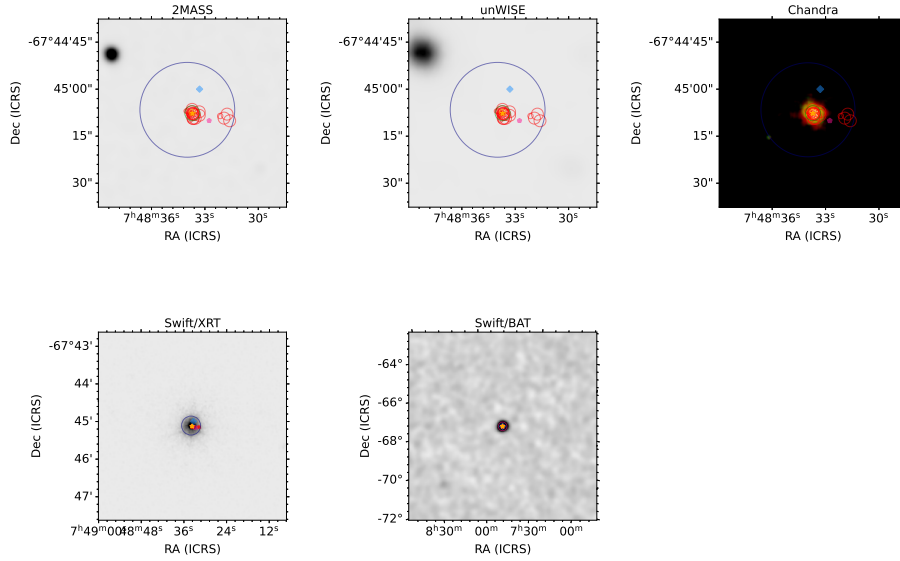
Alternative Name: UY Vol
X-ray Type: DS, EB, BO, XB, XT
Mean Distance [kpc]: 7.1
Distance Range [kpc]: 5.9 – 8.3
Distance-Reference: Galloway et al. (2008b)
Hydrogen Column density [10^{21}cm^{-2}]: 0.04

Compact Object

Orbital Period [d]: 0.15916666666666665
 Liu et al. (2007)
Pulse Period [s]: 0.0019157088122605363
 Galloway et al. (2010)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.46 - 216.31
soft X-ray variability: 475.27

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M2V
 Hynes & Jones (2009)
V [mag]: 22.42(0.04)
J [mag]: 21.30(0.20)



GRB 990520

Coordinates

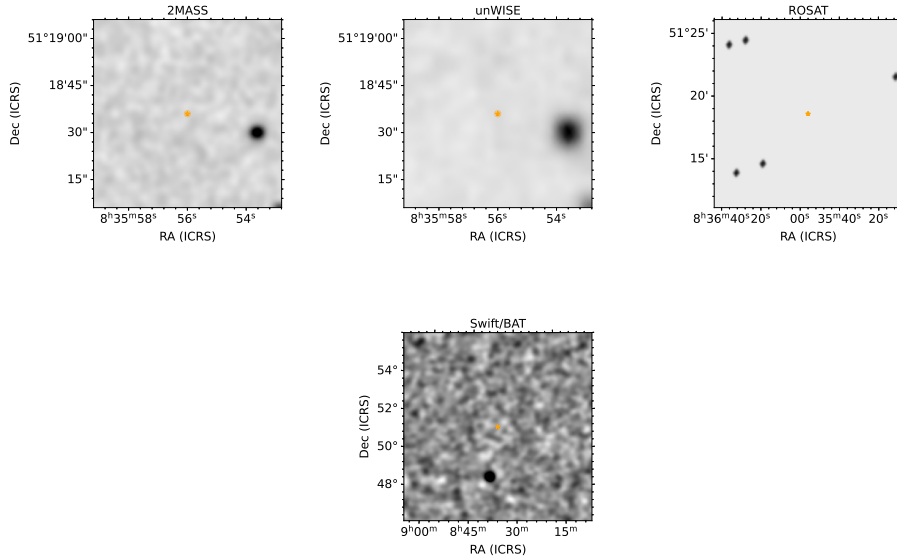
RA: 08^h35^m00.56^s0
DEC: +51°18′00.36″0
Position-uncertainty [arcsec] : 1.000×10^0
Galactic-longitude [deg]: 167.53
Galactic-latitude [deg]: 36.93
Coordinate-Reference: Chandra & Frail (2012)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



4U 0836-42

Coordinates

RA: $08^{\text{h}}37^{\text{m}}00.23^{\text{s}}6$
DEC: $-42^{\circ}54'00.02''0$
Position-uncertainty [arcsec]: 1.000×10^1
Galactic-longitude [deg]: 261.95
Galactic-latitude [deg]: -1.12
Coordinate-Reference: Liu et al. (2007)

Binary System

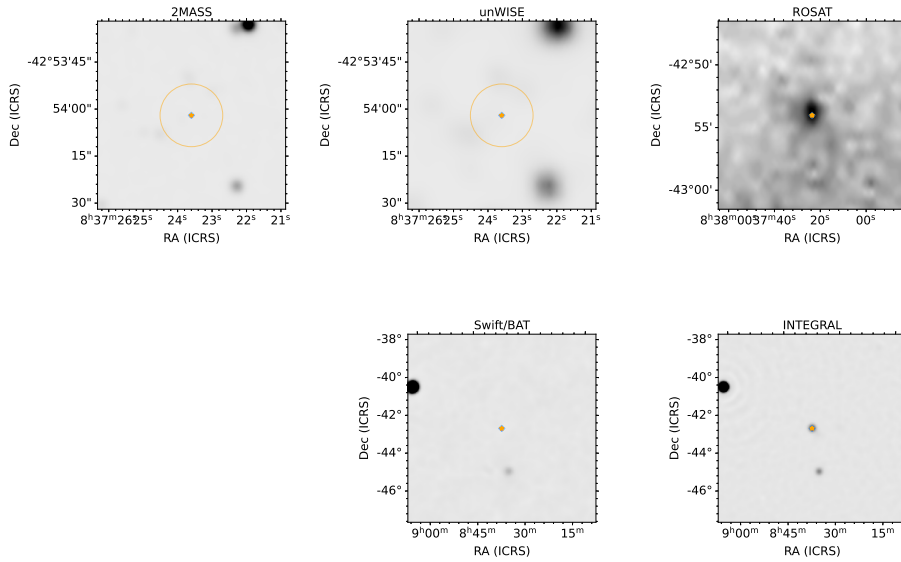
Alternative Name: GS 0836-429
X-ray Type: XB, XT
Mean Distance [kpc]: 8.0
Distance-Reference: Aranzana et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.27

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 48.0 - 26880.0
soft X-ray variability: 560.0

Optical Counterpart

Gaia DR3 Name:



Swift J0840.7-3516*Coordinates*

RA: 08^h40^m04^s.94
DEC: −35°16′00.25″.1
Position-uncertainty [arcsec]: 2.000×10^{-1}
Galactic-longitude [deg]: 256.28
Galactic-latitude [deg]: 4.02
Coordinate-Reference: Malesani et al. (2020)

Binary System

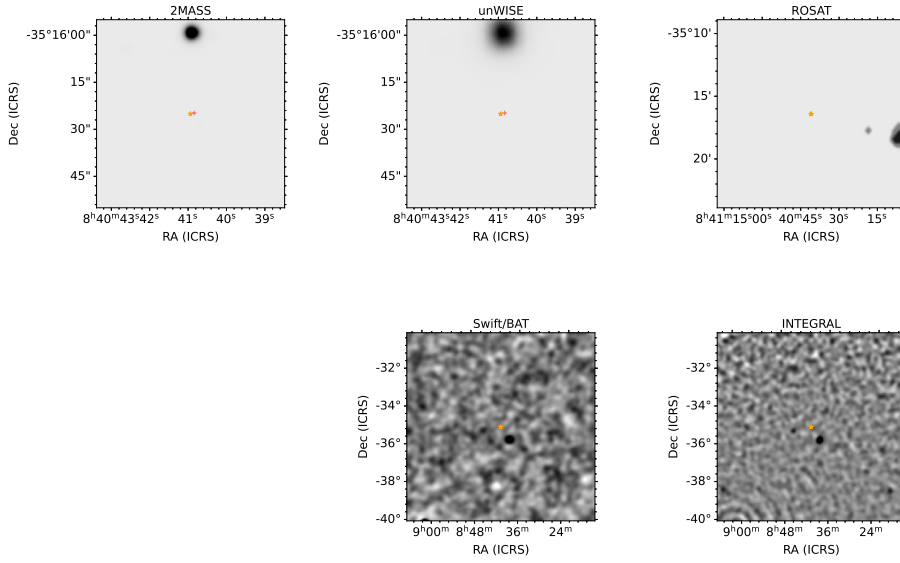
Alternative Name:
X-ray Type: XT, XP?
Distance Range [kpc]: 5.0 – 10.0
Distance-Reference: Coti Zelati et al. (2021a)
Hydrogen Column density [10^{21}cm^{-2}]: 0.46

Compact Object

Orbital Period [d]: 0.041666666666666664
Coti Zelati et al. (2021a)
Pulse Period [s]: 8.96
Kennea et al. (2020)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.12 - 2140.0
soft X-ray variability: 17833.33

Optical Counterpart

Gaia DR3 Name:



MAXI J0911-655

Coordinates

RA: 09^h12^m04^s.615
DEC: −64°52′09″.769
Position-uncertainty [arcsec]: 1.015×10^0
Galactic-longitude [deg]: 282.2
Galactic-latitude [deg]: −11.25
Coordinate-Reference: Evans et al. (2010)

Binary System

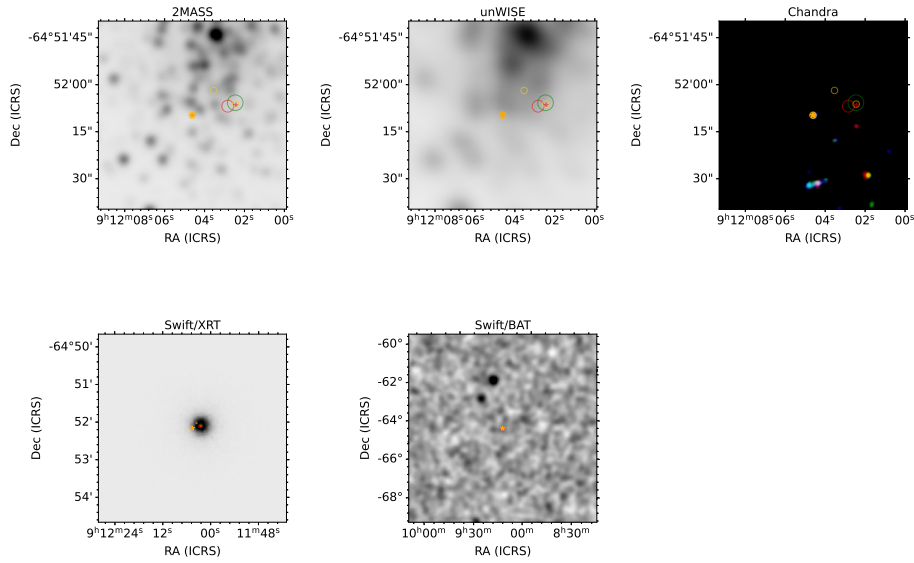
Alternative Name:
X-ray Type: XP
Mean Distance [kpc]: 9.5
Distance-Reference: Watkins et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 0.43

Compact Object

Orbital Period [d]: 0.030763888888888886
 Sanna et al. (2017)
Pulse Period [s]: 0.00294
 Sanna et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 256.8
soft X-ray variability: 100782.96

Optical Counterpart

Gaia DR3 Name:
Spectral Type: He WD
 Sanna et al. (2017)



2S 0918-549*Coordinates*

RA: 09^h20^m26^s.471
DEC: −55°12′24″.477
Position-uncertainty [arcsec] : 7.853×10^{-5}
Galactic-longitude [deg]: 275.85
Galactic-latitude [deg]: −3.85
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

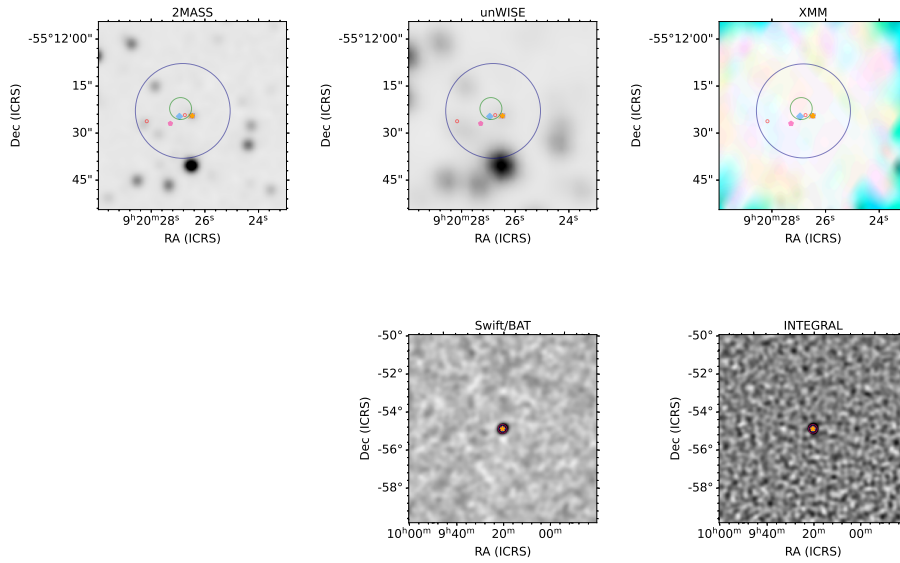
Alternative Name: 2S 0918-549
X-ray Type: XB
Mean Distance [kpc]: 1.26
Distance Range [kpc]: 1.21 – 1.35
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.18

Compact Object

Orbital Period [d]: 0.012083333333333333
 Zhong & Wang (2011)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 15.68 - 230.9
soft X-ray variability: 14.72

Optical Counterpart

Gaia DR3 Name: 5310395631798303104
G [mag]: 17.1510(0.0028)
V [mag]: 21.0
J [mag]: 15.62(0.06)
H [mag]: 15.24(0.09)
K [mag]: 15.19(0.15)
W1 [mag]: 15.042(0.014)
W2 [mag]: 15.359(0.032)



2S 0921-63

Coordinates

RA: 09^h22^m34^s.669
DEC: −63°17′41″.288
Position-uncertainty [arcsec] : 3.281×10^{-5}
Galactic-longitude [deg]: 281.84
Galactic-latitude [deg]: −9.34
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

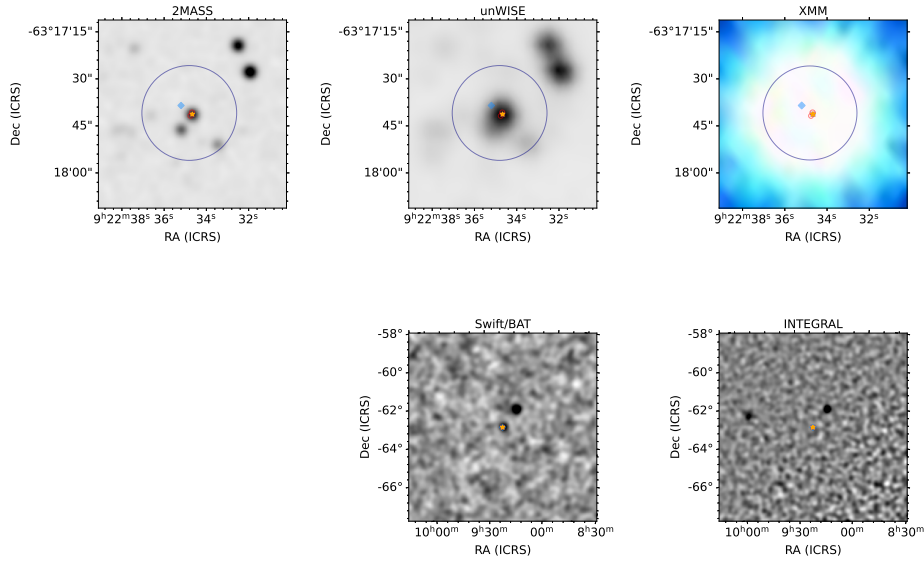
Alternative Name: V395 Car
X-ray Type: EB, DC, DS
Mean Distance [kpc]: 9.22
Distance Range [kpc]: 7.81 – 11.2
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.5

Compact Object

Orbital Period [d]: 9.008333333333333
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 65.78 – 85.66
soft X-ray variability: 1.3

Optical Counterpart

Gaia DR3 Name: 5250451391698996992
Spectral Type: K0/3
 Ritter & Kolb (2003)
G [mag]: 15.562(0.009)
V [mag]: 15.300000190734863
J [mag]: 14.24(0.05)
H [mag]: 13.74(0.06)
K [mag]: 13.52(0.06)
W1 [mag]: 13.205(0.017)
W2 [mag]: 13.063(0.012)



XTE J0929-314

Coordinates

RA: 09^h29^m020^s.19
DEC: −31°23′0003″.2
Position-uncertainty [arcsec]: 1.414×10^{-1}
Galactic-longitude [deg]: 260.11
Galactic-latitude [deg]: 14.21
Coordinate-Reference: Giles et al. (2005)

Binary System

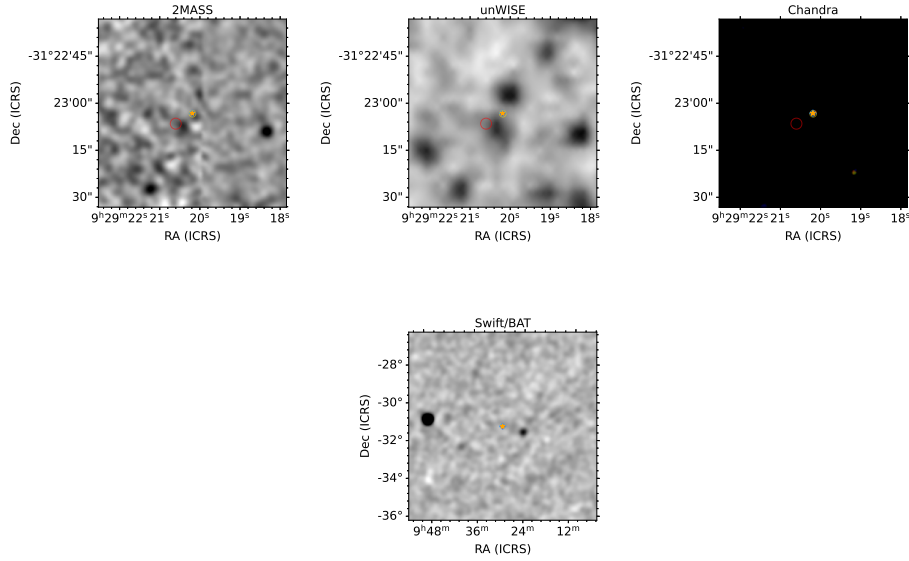
Alternative Name: BW Ant
X-ray Type: XP, XT, RP
Mean Distance [kpc]: 7.4
Distance Range [kpc]: 2.8 – 10.0
Distance-Reference: Marino et al. (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.3

Compact Object

Orbital Period [d]: 0.030416666666666665
 Liu et al. (2007)
Pulse Period [s]: 0.0054
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 – 700.0
soft X-ray variability: 143309.59

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD
 Yu et al. (2021)
V [mag]: 28.2(0.4)



GRS 1009-45

Coordinates

RA: $10^{\text{h}}13^{\text{m}}36^{\text{s}}.403$
DEC: $-45^{\circ}04'32''.516$
Position-uncertainty [arcsec]: 9.096×10^{-5}
Galactic-longitude [deg]: 275.88
Galactic-latitude [deg]: 9.35
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

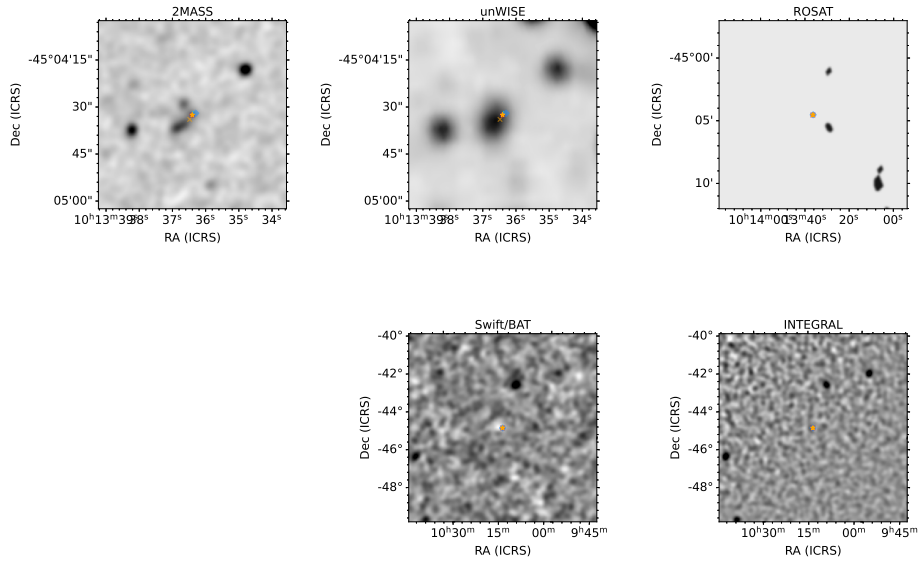
Alternative Name: N Vel 1993
X-ray Type: BH, XT, US
Mean Distance [kpc]: 1.49
Distance Range [kpc]: 1.46 – 1.53
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.3

Compact Object

Orbital Period [d]: 0.285
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 5414249796406957056
Spectral Type: G5V-M0V
 Yungelson & Lasota (2008a)
G [mag]: 17.7085(0.0029)
V [mag]: 14.710000038146973
J [mag]: 16.31(0.17)
H [mag]: 15.240000(0)
K [mag]: 15.045000(0)
W1 [mag]: 15.32(0.05)
W2 [mag]: 15.19(0.05)



PSR J1023+0038*Coordinates*

RA: $10^{\text{h}}23^{\text{m}}47^{\text{s}}.689$
DEC: $+00^{\circ}38'40''.729$
Position-uncertainty [arcsec]: 7.979×10^{-5}
Galactic-longitude [deg]: 243.49
Galactic-latitude [deg]: 45.78
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

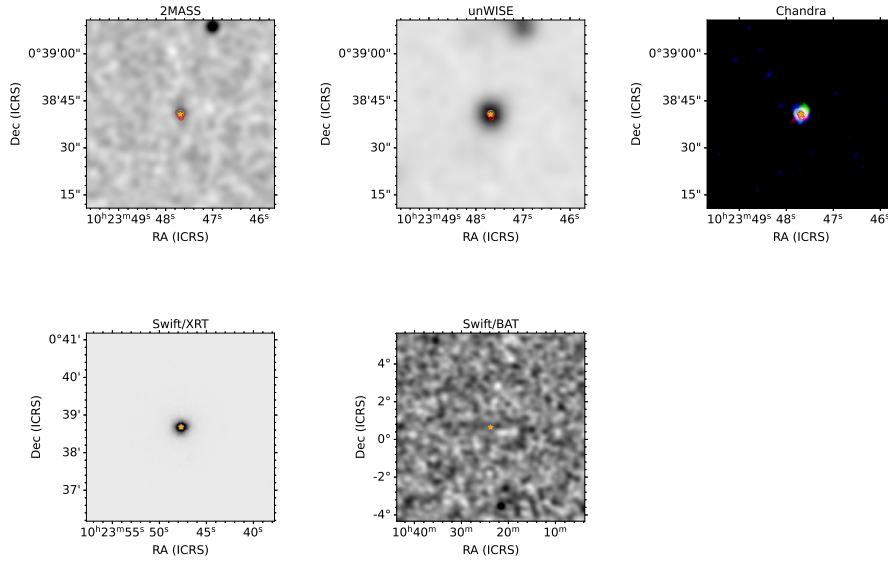
Alternative Name: USNO-A2.0 0900-06678908
X-ray Type: QNS, XT, RP
Mean Distance [kpc]: 1.42
Distance Range [kpc]: 1.4 – 1.44
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.0

Compact Object

Orbital Period [d]: 0.198096
 Ritter & Kolb (2003)
Pulse Period [s]: 0.001687
 Archibald et al. (2009)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.37 - 19.91
soft X-ray variability: 53.91

Optical Counterpart

Gaia DR3 Name: 3831382647922429952
Spectral Type: GV
 Torres et al. (2014)
G [mag]: 16.232(0.020)
V [mag]: 17.309999465942383
J [mag]: 16.30(0.10)
H [mag]: 15.69(0.13)
K [mag]: 15.862000(0)
W1 [mag]: 14.739(0.021)
W2 [mag]: 14.395(0.023)



CXOU J110926.4-650224

Coordinates

RA: 11^h09^m26^s.406
DEC: −65°02′24″.823
Position-uncertainty [arcsec]: 6.504×10^{-4}
Galactic-longitude [deg]: 292.44
Galactic-latitude [deg]: −4.27
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

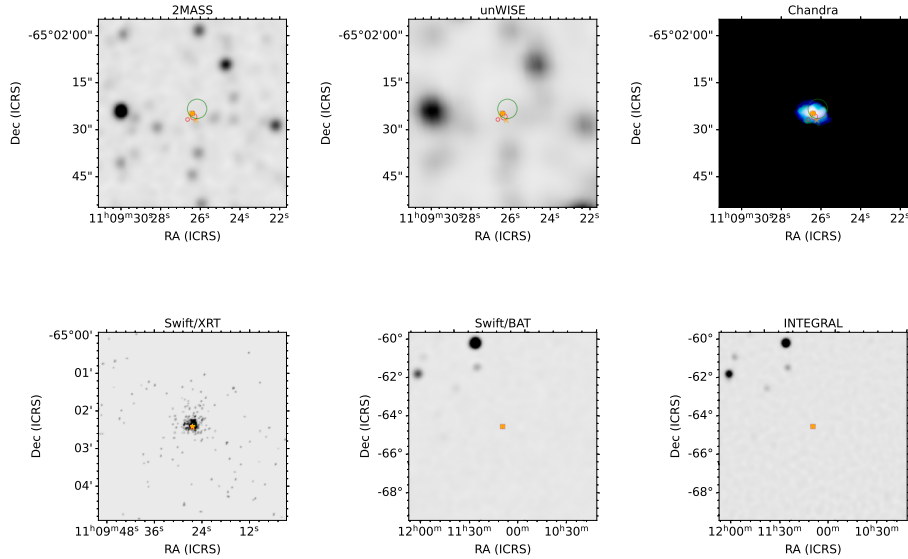
Alternative Name:
X-ray Type: XP?, RP?, XT?
Mean Distance [kpc]: 4.0
Distance Range [kpc]: 1.9 – 13.9
Distance-Reference: Coti Zelati et al. (2021b)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.56 - 10.7
soft X-ray variability: 19.11
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.0 - 14.4
hard X-ray variability: 2.4

Optical Counterpart

Gaia DR3 Name: 5240167590731178624
G [mag]: 20.07(0.05)
W1 [mag]: 15.447(0.023)
W2 [mag]: 15.73(0.06)



XTE J1118+480*Coordinates*

RA: 11^h18^m10^s.764
DEC: +48°02'12".208
Position-uncertainty [arcsec]: 2.255×10^{-4}
Galactic-longitude [deg]: 157.66
Galactic-latitude [deg]: 62.32
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

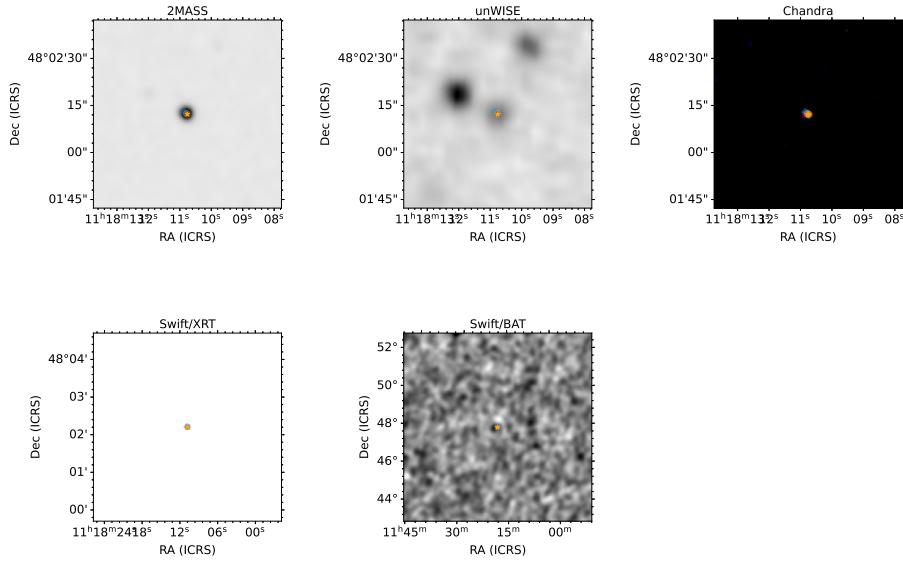
Alternative Name: J1118+4802
X-ray Type: XT, BH, MQ, PSH, RP
Mean Distance [kpc]: 3.28
Distance Range [kpc]: 1.72 – 4.63
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.01

Compact Object

Orbital Period [d]: 0.17
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 789430249033567744
Spectral Type: K5V-M1V
 Yungelson & Lasota (2008a)
G [mag]: 19.317(0.005)
V [mag]: 12.25
J [mag]: 12.760(0.023)
H [mag]: 12.444(0.030)
K [mag]: 12.084(0.020)
W1 [mag]: 16.573(0.035)
W2 [mag]: 16.15(0.07)



IGR J11187-5438

Coordinates

RA: $11^{\text{h}}18^{\text{m}}21^{\text{s}}.257$
DEC: $-54^{\circ}37'29''.124$
Position-uncertainty [arcsec]: 1.415×10^{-4}
Galactic-longitude [deg]: 289.64
Galactic-latitude [deg]: 5.83
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

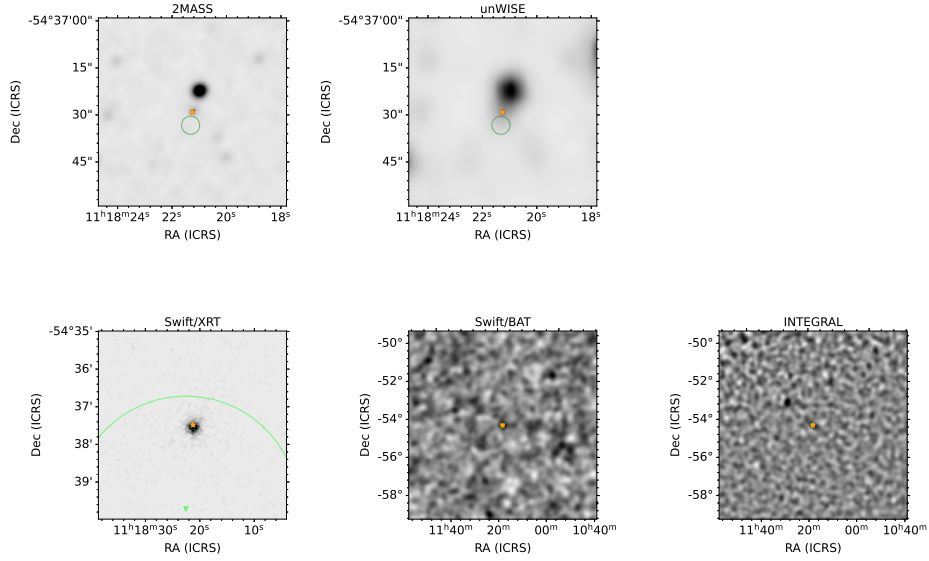
Alternative Name:
Mean Distance [kpc]: 0.27
Distance Range [kpc]: 0.26 – 0.28
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.24

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.43
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 5346688272924690432
G [mag]: 18.4495(0.0033)
J [mag]: 15.53(0.07)
H [mag]: 14.87(0.06)
K [mag]: 14.45(0.08)
W1 [mag]: 14.379(0.016)
W2 [mag]: 14.285(0.017)



GS 1124-684*Coordinates*

RA: $11^{\text{h}}26^{\text{m}}26^{\text{s}}.588$
DEC: $-68^{\circ}40'00.32''9$
Position-uncertainty [arcsec]: 2.891×10^{-4}
Galactic-longitude [deg]: 295.3
Galactic-latitude [deg]: -7.07
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

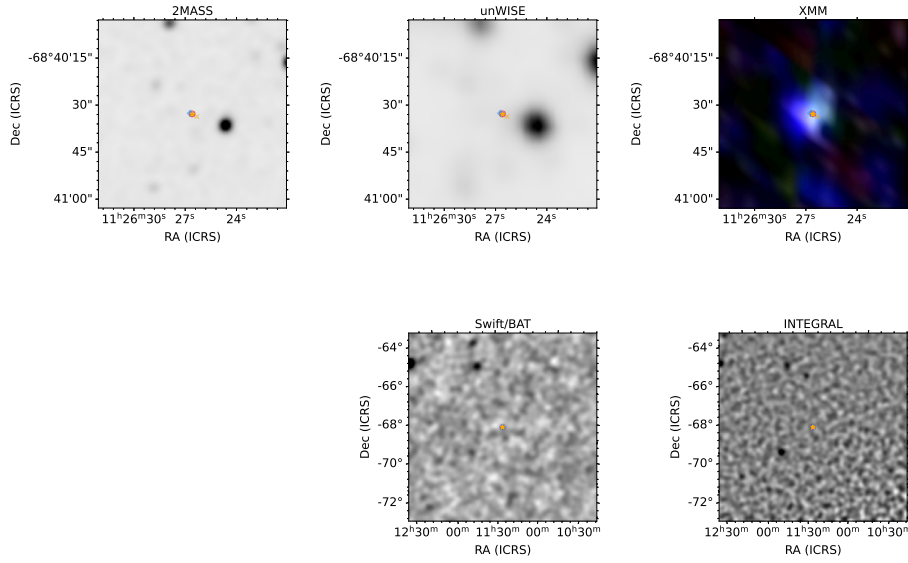
Alternative Name: N Mus 1991
X-ray Type: RP, XT, BH, PSH, US
Mean Distance [kpc]: 4.24
Distance Range [kpc]: 2.93 – 7.21
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.15

Compact Object

Orbital Period [d]: 0.43250000000000005
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 192000.0
soft X-ray variability: 20374962.99

Optical Counterpart

Gaia DR3 Name: 5234956524083372544
Spectral Type: K3V-K7V
 Yungelson & Lasota (2008a)
G [mag]: 19.508(0.010)
V [mag]: 20.5
W1 [mag]: 15.221(0.013)
W2 [mag]: 15.28(0.04)



IGR J11321-5311

Coordinates

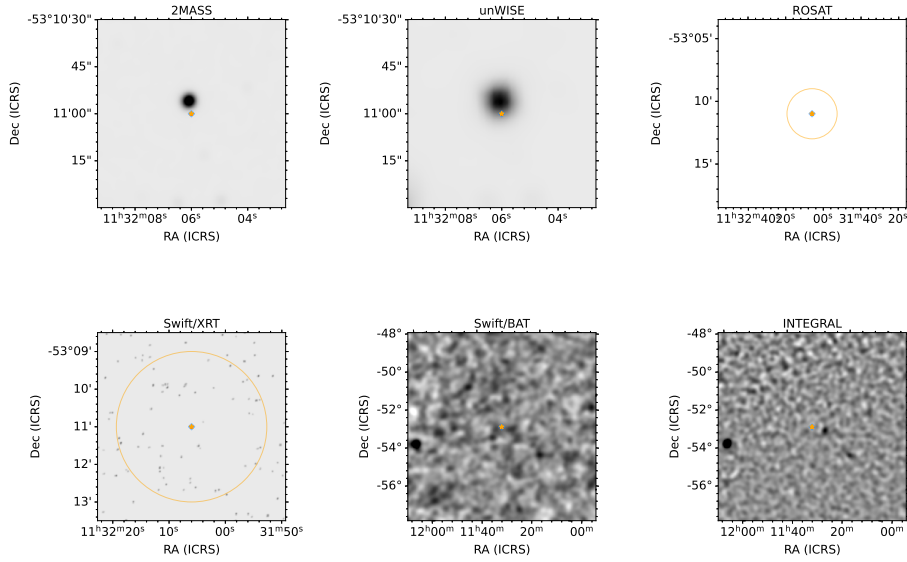
RA: $11^{\text{h}}32^{\text{m}}00.06^{\text{s}}$
DEC: $-53^{\circ}11'00.00''$
Position-uncertainty [arcsec]: 1.200×10^2
Galactic-longitude [deg]: 291.09
Galactic-latitude [deg]: 7.85
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 5.0
Distance Range [kpc]: 2.0 – 8.0
Distance-Reference: Sguera et al. (2007)

Optical Counterpart

Gaia DR3 Name:



XSS J12270-4859*Coordinates*

RA: 12^h27^m58^s.717
DEC: −48°53′42″.708
Position-uncertainty [arcsec] : 1.146×10^{-4}
Galactic-longitude [deg]: 298.97
Galactic-latitude [deg]: 13.8
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

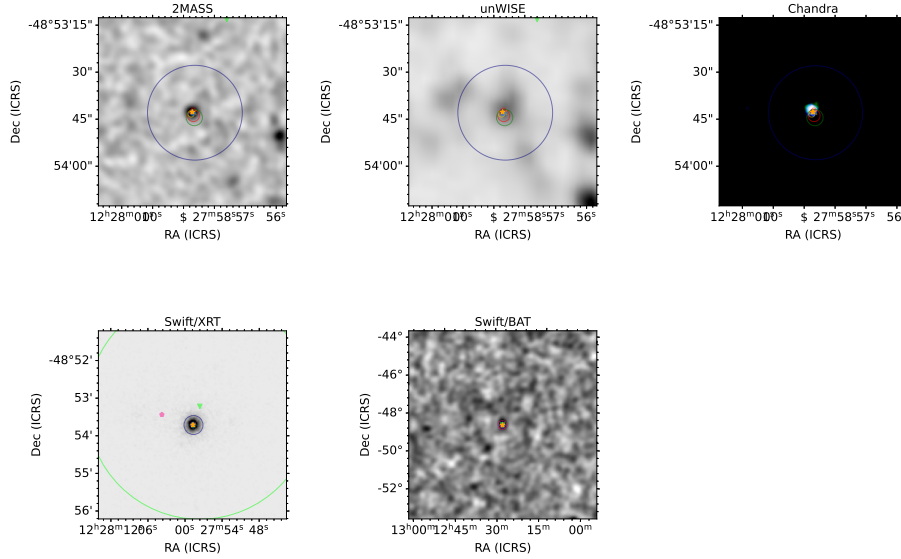
Alternative Name:
X-ray Type: XT, RP
Mean Distance [kpc]: 2.09
Distance Range [kpc]: 1.96 – 2.58
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.08

Compact Object

Orbital Period [d]: 0.287888
 Ritter & Kolb (2003)
Pulse Period [s]: 0.001686
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.35 - 15.53
soft X-ray variability: 43.91
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 18.16
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 6128369984328414336
Spectral Type: G5-F5/5
 Ritter & Kolb (2003)
G [mag]: 18.071(0.011)
J [mag]: 15.73(0.08)
H [mag]: 15.43(0.13)
K [mag]: 15.31(0.15)
W1 [mag]: 15.628(0.029)
W2 [mag]: 15.35(0.04)



1A 1246-588

Coordinates

RA: 12^h49^m39^s.351
DEC: −59°05′14″.725
Position-uncertainty [arcsec]: 6.668×10^{-4}
Galactic-longitude [deg]: 302.7
Galactic-latitude [deg]: 3.78
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

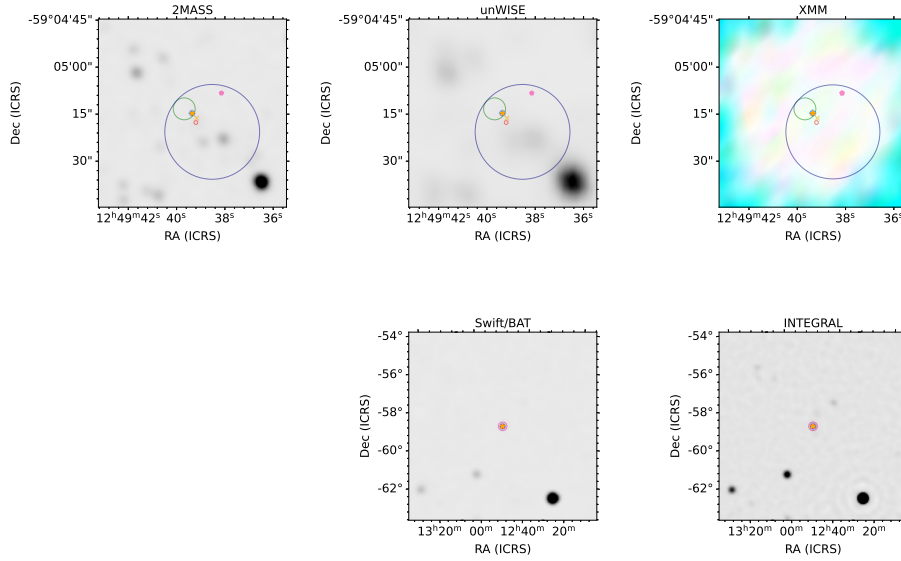
Alternative Name: A 1246-58
X-ray Type: XB
Mean Distance [kpc]: 6.26
Distance Range [kpc]: 3.34 – 9.08
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.39

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 107.71 - 40000.0
soft X-ray variability: 371.38

Optical Counterpart

Gaia DR3 Name: 6059778089610749440
Spectral Type: DA7
G [mag]: 20.457(0.009)
V [mag]: 18.989999771118164
W1 [mag]: 14.952(0.016)
W2 [mag]: 15.33(0.04)



XB 1254-690*Coordinates*

RA: $12^{\text{h}}57^{\text{m}}37^{\text{s}}.167$
DEC: $-69^{\circ}17'19''.018$
Position-uncertainty [arcsec] : 1.958×10^{-4}
Galactic-longitude [deg]: 303.48
Galactic-latitude [deg]: -6.42
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

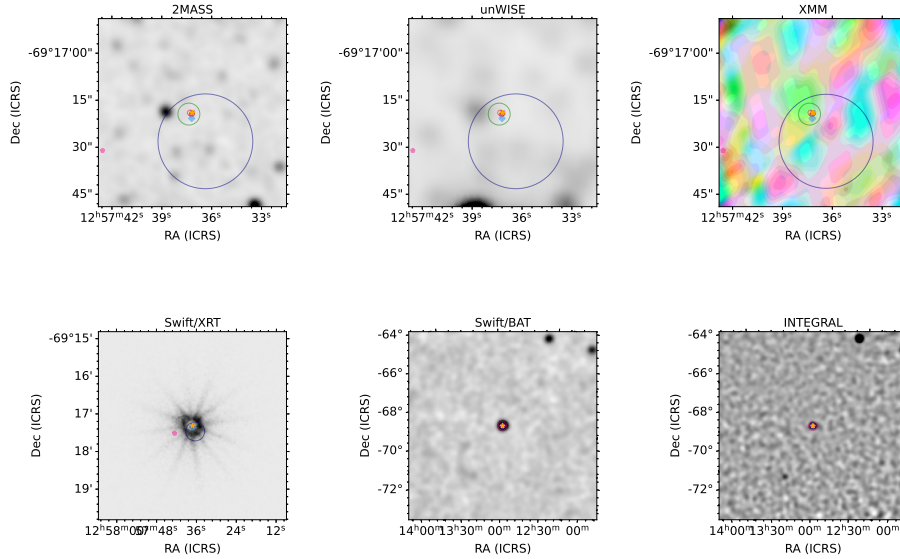
Alternative Name: 2S 1254-690
X-ray Type: DS, NSH, BO, XB, AS
Mean Distance [kpc]: 7.6
Distance Range [kpc]: 6.8 – 8.4
Distance-Reference: Gambino et al. (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.4

Compact Object

Orbital Period [d]: 0.16375
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 648.92 - 1664.0
soft X-ray variability: 2.56

Optical Counterpart

Gaia DR3 Name: 5844938121765636864
G [mag]: 18.745(0.008)
V [mag]: 19.100000381469727



MAXI J1305-704

Coordinates

RA: $13^{\text{h}}06^{\text{m}}05^{\text{s}}.28$
DEC: $-70^{\circ}27'05''.101$
Position-uncertainty [arcsec]: 6.924×10^{-4}
Galactic-longitude [deg]: 304.24
Galactic-latitude [deg]: -7.62
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

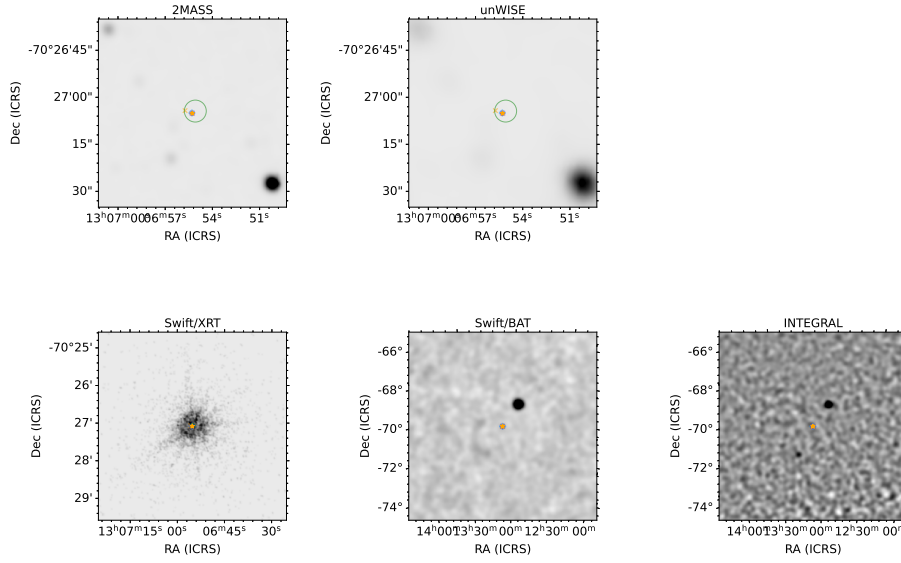
Alternative Name: J1306-7027
X-ray Type: BH?, XT
Mean Distance [kpc]: 7.5
Distance Range [kpc]: 6.1 – 9.3
Distance-Reference: Mata Sánchez et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.11

Compact Object

Orbital Period [d]: 0.394
Mata Sánchez et al. (2021)

Optical Counterpart

Gaia DR3 Name: 5843823766718594560
Spectral Type: K
Mata Sánchez et al. (2021)
G [mag]: 20.307(0.008)
W1 [mag]: 16.68(0.04)
W2 [mag]: 17.872000(0)



SAX J1324.5-6313*Coordinates*

RA: $13^{\text{h}}24^{\text{m}}30^{\text{s}}.314$
DEC: $-63^{\circ}13'49''.697$
Position-uncertainty [arcsec] : 7.210×10^{-1}
Galactic-longitude [deg]: 306.65
Galactic-latitude [deg]: -0.6
Coordinate-Reference: Evans et al. (2010)

Binary System

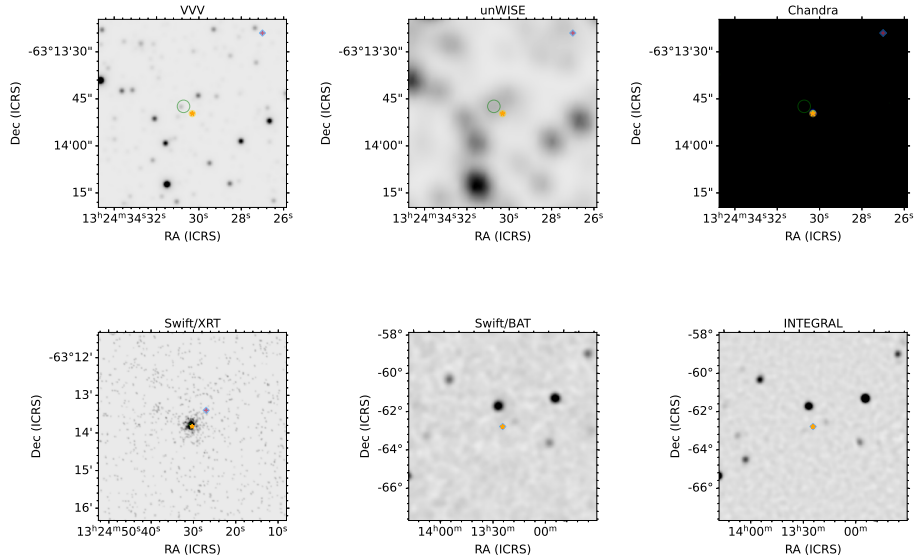
Alternative Name: CXO J132430.3-631349
X-ray Type: XB
Distance-Reference: Cornelisse et al. (2002b)
Hydrogen Column density [10^{21}cm^{-2}]: 1.5

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.22 - 12300.0
soft X-ray variability: 54666.67

Optical Counterpart

Gaia DR3 Name:
H [mag]: 17.2(0.4)
K [mag]: 16.62(0.10)



2XMM J132619.7-472910

Coordinates

RA: 13^h26^m19^s.783
DEC: -47°29′010″.46
Position-uncertainty [arcsec] : 1.013×10^0
Galactic-longitude [deg]: 309.02
Galactic-latitude [deg]: 14.97
Coordinate-Reference: Evans et al. (2010)

Binary System

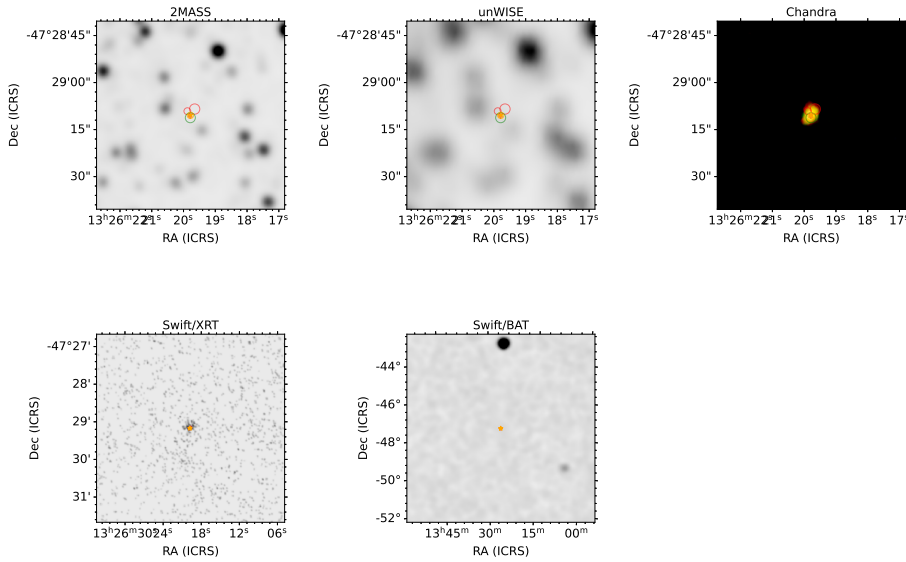
Alternative Name:
Hydrogen Column density [10^{21}cm^{-2}]: 0.12

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 0.06
soft X-ray variability: 1.4

Optical Counterpart

Gaia DR3 Name:



2E 3049

Coordinates

RA: $13^{\text{h}}26^{\text{m}}19^{\text{s}}.783$
DEC: $-47^{\circ}29'010''.46$
Position-uncertainty [arcsec] : 1.013×10^0
Galactic-longitude [deg]: 309.02
Galactic-latitude [deg]: 14.97
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
Hydrogen Column density [10^{21}cm^{-2}]: 0.12

Compact Object

soft-band flux [$10^{-12}\text{erg}/\text{cm}^2/\text{s}$]: 0.04 - 0.06
soft X-ray variability: 1.4

Optical Counterpart

Gaia DR3 Name:

charts15_pdf/2E 3049.pdf

4U 1323-62

Coordinates

RA: $13^{\text{h}}26^{\text{m}}37^{\text{s}}.101$
DEC: $-62^{\circ}08'08''.959$
Position-uncertainty [arcsec]: 4.871×10^{-1}
Galactic-longitude [deg]: 307.03
Galactic-latitude [deg]: 0.46
Coordinate-Reference: Webb et al. (2020)

Binary System

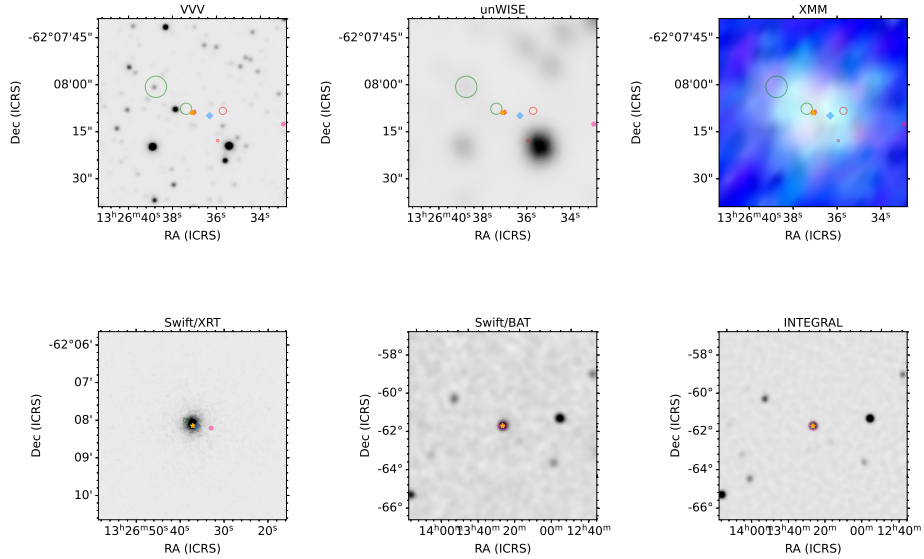
Alternative Name: 1323-6152
X-ray Type: XB, DS
Mean Distance [kpc]: 15.0
Distance Range [kpc]: 10.0 – 20.0
Distance-Reference: Parmar et al. (1989)
Hydrogen Column density [10^{21}cm^{-2}]: 4.0

Compact Object

Orbital Period [d]: 0.12208333333333334
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.15 - 314.02
soft X-ray variability: 2160.96

Optical Counterpart

Gaia DR3 Name:
K [mag]: 18.12(0.20)



MAXI J1348-630*Coordinates*

RA: $13^{\text{h}}48^{\text{m}}12^{\text{s}}.739$
DEC: $-63^{\circ}16'29''.709$
Position-uncertainty [arcsec]: 2.107×10^{-3}
Galactic-longitude [deg]: 309.26
Galactic-latitude [deg]: -1.1
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

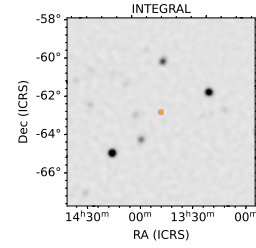
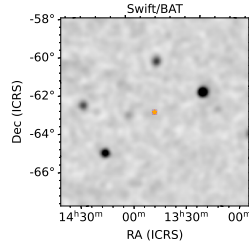
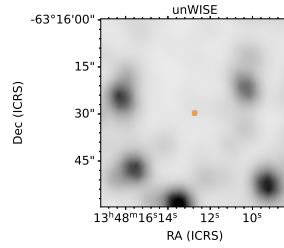
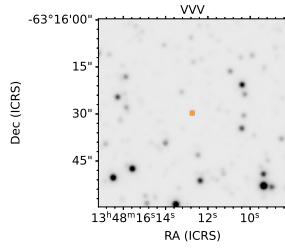
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 3.39
Distance Range [kpc]: 3.01 – 3.77
Distance-Reference: Lamer et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.8

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 72000.0
soft X-ray variability: 7826086.96

Optical Counterpart

Gaia DR3 Name: 5864596118346825600
G [mag]: 20.960(0.017)
J [mag]: 17.47(0.05)
H [mag]: 17(17)
K [mag]: 16.13(0.04)



Swift J1357.2-0933

Coordinates

RA: $13^{\text{h}}57^{\text{m}}16^{\text{s}}.836$
DEC: $-09^{\circ}32'38''.796$
Position-uncertainty [arcsec]: 1.801×10^{-3}
Galactic-longitude [deg]: 328.7
Galactic-latitude [deg]: 50.0
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

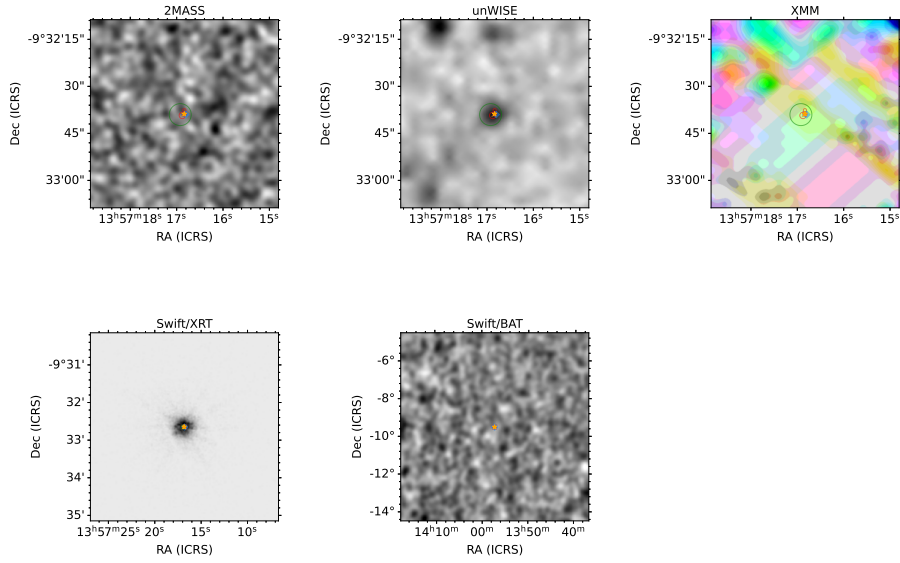
Alternative Name:
X-ray Type: BH, XT
Mean Distance [kpc]: 2.5
Distance Range [kpc]: 1.5 – 6.3
Distance-Reference: Shahbaz et al. (2013)
Hydrogen Column density [10^{21}cm^{-2}]: 0.01

Compact Object

Orbital Period [d]: 0.11
Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 7.13
soft X-ray variability: 855.34

Optical Counterpart

Gaia DR3 Name: 3615597791550052736
Spectral Type: M4.5V
Shahbaz et al. (2013)
G [mag]: 20.677(0.020)
W1 [mag]: 17.15(0.07)
W2 [mag]: 16.39(0.11)



GS 1354-64*Coordinates*

RA: 13^h58^m09^s.699
DEC: −64°44′05″.326
Position-uncertainty [arcsec] : 1.006×10^0
Galactic-longitude [deg]: 309.98
Galactic-latitude [deg]: −2.78
Coordinate-Reference: Evans et al. (2010)

Binary System

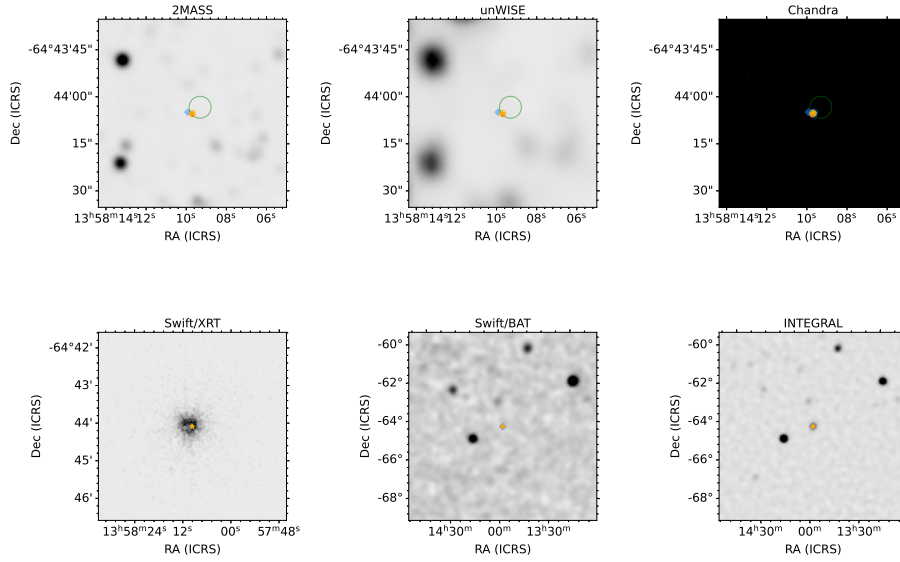
Alternative Name: BW Cir
X-ray Type: US, BH, XT, RP
Mean Distance [kpc]: 42.5
Distance Range [kpc]: 25.0 – 61.0
Distance-Reference: Casares et al. (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 0.8

Compact Object

Orbital Period [d]: 2.544583333333333
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.12 - 30.0
soft X-ray variability: 260.0

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G0-5/3
 Ritter & Kolb (2003)
V [mag]: 16.899999618530273



1FGL J1417.7-4407

Coordinates

RA: 14^h17^m30^s.566
DEC: −44°02′057″.58
Position-uncertainty [arcsec] : 5.198×10^{-5}
Galactic-longitude [deg]: 318.86
Galactic-latitude [deg]: 16.14
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

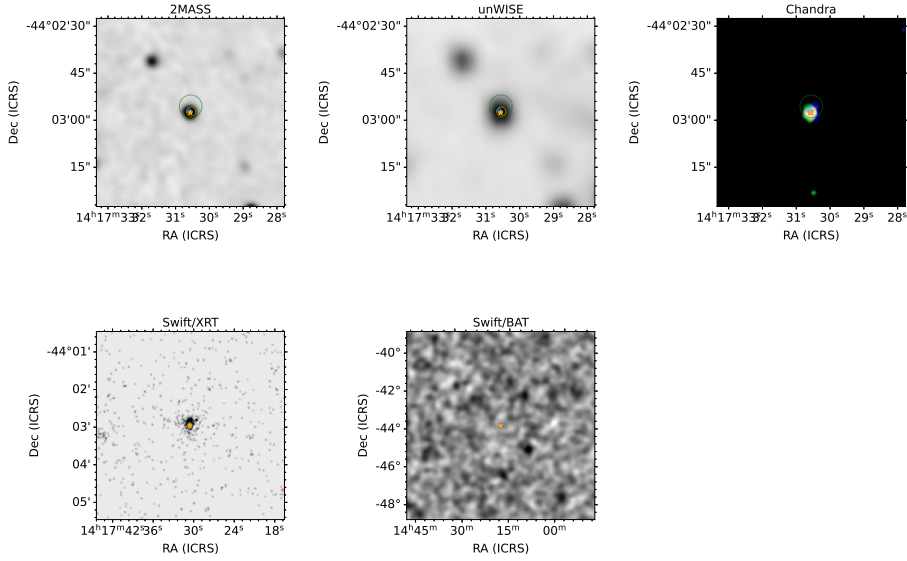
Alternative Name: J1417-4402
X-ray Type: XT, XP?
Mean Distance [kpc]: 3.1
Distance Range [kpc]: 2.5 – 3.7
Distance-Reference: Swihart et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.15

Compact Object

Orbital Period [d]: 5.37385
 Strader et al. (2015)
Pulse Period [s]: 0.00266
 Camilo et al. (2016)

Optical Counterpart

Gaia DR3 Name: 6096705840454620800
Spectral Type: G9
 Strader et al. (2015)
G [mag]: 15.771(0.006)
J [mag]: 14.168(0.032)
H [mag]: 13.502(0.033)
K [mag]: 13.41(0.04)
W1 [mag]: 13.285(0.014)
W2 [mag]: 13.331(0.012)



MAXI J1421-613*Coordinates*

RA: 14^h21^m38^s.011
DEC: -61°36'24".948
Position-uncertainty [arcsec] : 2.200×10^0
Galactic-longitude [deg]: 313.44
Galactic-latitude [deg]: -0.59
Coordinate-Reference: Kennea et al. (2014)

Binary System

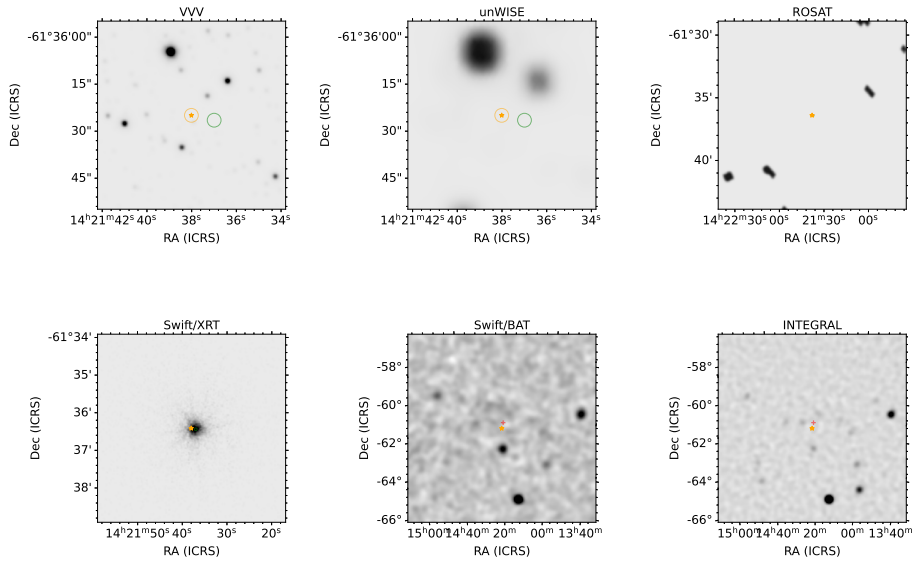
Alternative Name:
X-ray Type: XB, XT
Distance-Reference: Serino et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 3.7

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.08 - 1200.0
soft X-ray variability: 14814.81

Optical Counterpart

Gaia DR3 Name:



IGR J14298-6715

Coordinates

RA: $14^{\text{h}}29^{\text{m}}05^{\text{s}}.56$
DEC: $-67^{\circ}14'00.43''3$
Position-uncertainty [arcsec]: 4.000×10^0
Galactic-longitude [deg]: 312.27
Galactic-latitude [deg]: -6.18
Coordinate-Reference: Landi et al. (2007)

Binary System

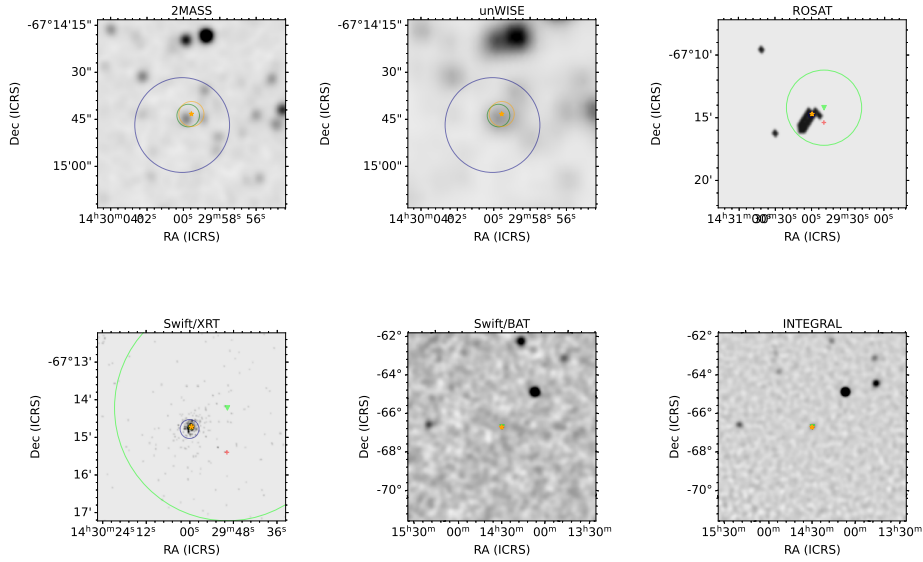
Alternative Name: 1RXS J142959.9-671447
Mean Distance [kpc]: 10.0
Distance-Reference: Masetti et al. (2008)
Hydrogen Column density [10^{21}cm^{-2}]: 0.26

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 10.44
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:



SAX J1452.8-5949*Coordinates*

RA: $14^{\text{h}}52^{\text{m}}52^{\text{s}}.734$
DEC: $-59^{\circ}49'08''.208$
Position-uncertainty [arcsec]: 1.315×10^0
Galactic-longitude [deg]: 317.65
Galactic-latitude [deg]: -0.46
Coordinate-Reference: Evans et al. (2010)

Binary System

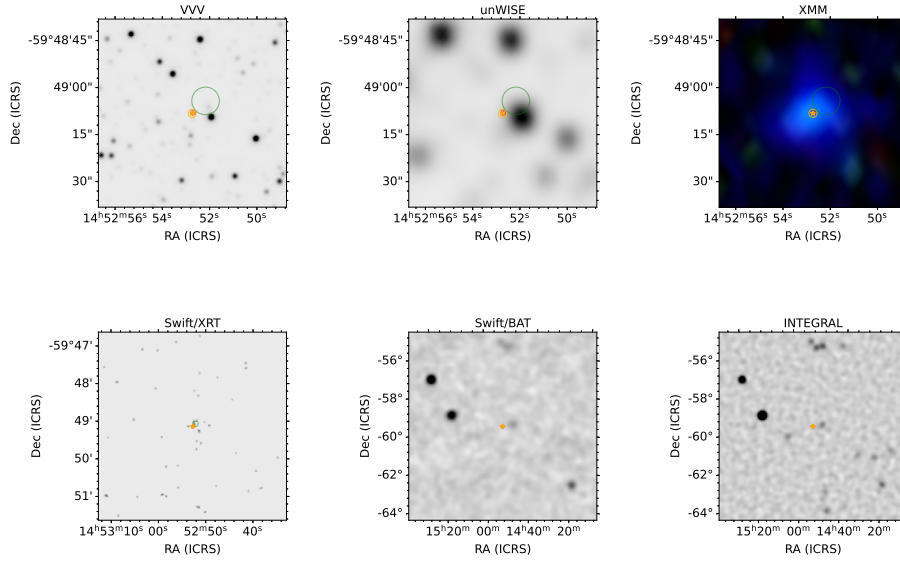
Alternative Name:
X-ray Type: XP
Distance-Reference: Kaur et al. (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 1.22

Compact Object

Pulse Period [s]: 437.4
 Liu et al. (2006)
soft-band flux [$10^{-12}\text{erg/cm}^2/\text{s}$]: 0.08 - 1.23
soft X-ray variability: 16.38

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M-A
 Kaur et al. (2009)
J [mag]: 16.66(0.12)
H [mag]: 16.45(0.12)
K [mag]: 17.15(0.12)



X Cen X-4

Coordinates

RA: $14^{\text{h}}58^{\text{m}}21^{\text{s}}.936$
DEC: $-31^{\circ}40'08''.406$
Position-uncertainty [arcsec]: 1.468×10^{-4}
Galactic-longitude [deg]: 332.24
Galactic-latitude [deg]: 23.88
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

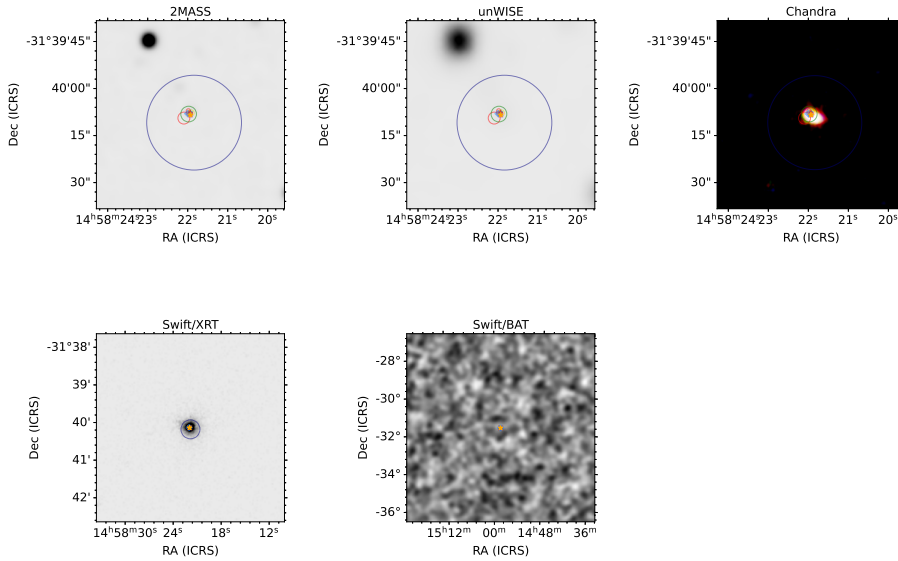
Alternative Name: Cen X-4
X-ray Type: XB, XT, RP
Mean Distance [kpc]: 0.87
Distance Range [kpc]: 0.84 – 0.89
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.06

Compact Object

Orbital Period [d]: 0.6291666666666667
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.43 - 5.55
soft X-ray variability: 12.91

Optical Counterpart

Gaia DR3 Name: 6205715168442046592
Spectral Type: K3-K7V
 Reynolds et al. (2008)
G [mag]: 17.854(0.006)
V [mag]: 12.800000190734863
J [mag]: 15.60(0.06)
H [mag]: 15.05(0.07)
K [mag]: 14.66(0.08)
W1 [mag]: 14.850(0.019)
W2 [mag]: 14.945(0.033)



3U 1516-56*Coordinates*

RA: 15^h20^m40^s.842
DEC: −57°10′00″.272
Position-uncertainty [arcsec]: 1.423×10^{-4}
Galactic-longitude [deg]: 322.12
Galactic-latitude [deg]: 0.04
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

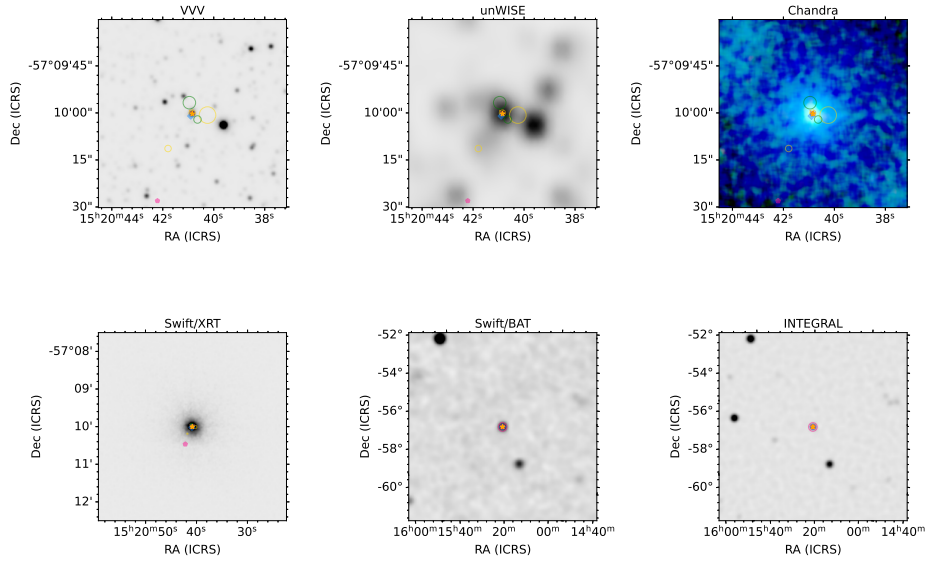
Alternative Name: Cir X-1
X-ray Type: DS, AS, MQ, XB, XT, RP
Mean Distance [kpc]: 9.4
Distance Range [kpc]: 8.4 – 10.2
Distance-Reference: Heinz et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 3.6

Compact Object

Orbital Period [d]: 16.599999999999998
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 11.77 – 122.1
soft X-ray variability: 10.37

Optical Counterpart

Gaia DR3 Name: 5883218164517055488
G [mag]: 17.776(0.021)
V [mag]: 21.399999618530273
J [mag]: 12.743(0.031)
H [mag]: 11.521(0.029)
K [mag]: 10.692(0.025)
W1 [mag]: 10.015(0.015)
W2 [mag]: 9.778(0.011)



X TrA X-1

Coordinates

RA: $15^{\text{h}}28^{\text{m}}016^{\text{s}}.97$
DEC: $-61^{\circ}52'0057''8$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 320.32
Galactic-latitude [deg]: -4.43
Coordinate-Reference: Zurita et al. (2015)

Binary System

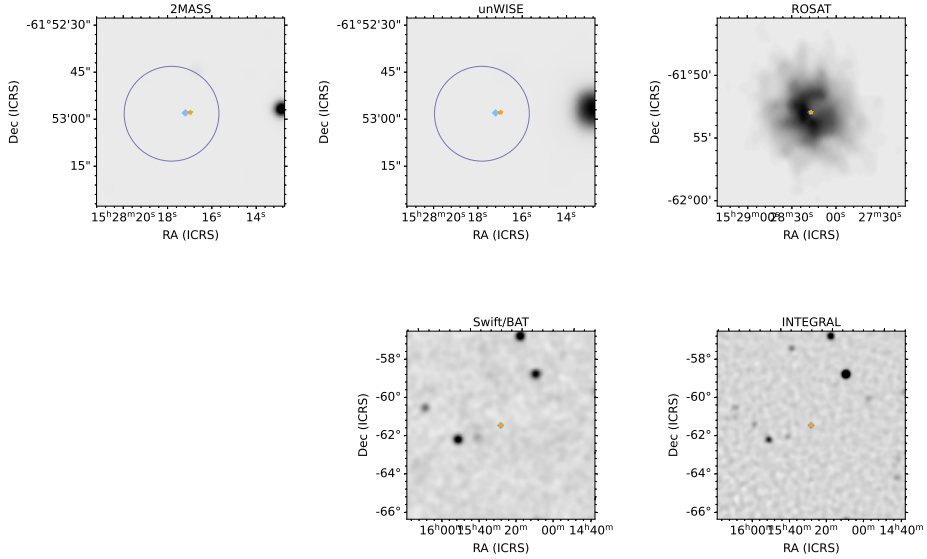
Alternative Name: TrA X-1
X-ray Type: XT, US, BH?
Mean Distance [kpc]: 4.4
Distance Range [kpc]: 3.0 – 8.0
Distance-Reference: Tetarenko et al. (2016b)
Hydrogen Column density [10^{21}cm^{-2}]: 0.3

Compact Object

Orbital Period [d]: 0.3333333333333333
 Zurita et al. (2015)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.45 - 21600.0
soft X-ray variability: 48000.0

Optical Counterpart

Gaia DR3 Name:
V [mag]: 23.60(0.10)



AX J1538.3-5541*Coordinates*

RA: $15^{\text{h}}38^{\text{m}}00.13^{\text{s}}8$
DEC: $-55^{\circ}42'00.11''9$
Position-uncertainty [arcsec]: 3.800×10^0
Galactic-longitude [deg]: 324.95
Galactic-latitude [deg]: -0.13
Coordinate-Reference: Kennea et al. (2007)

Binary System

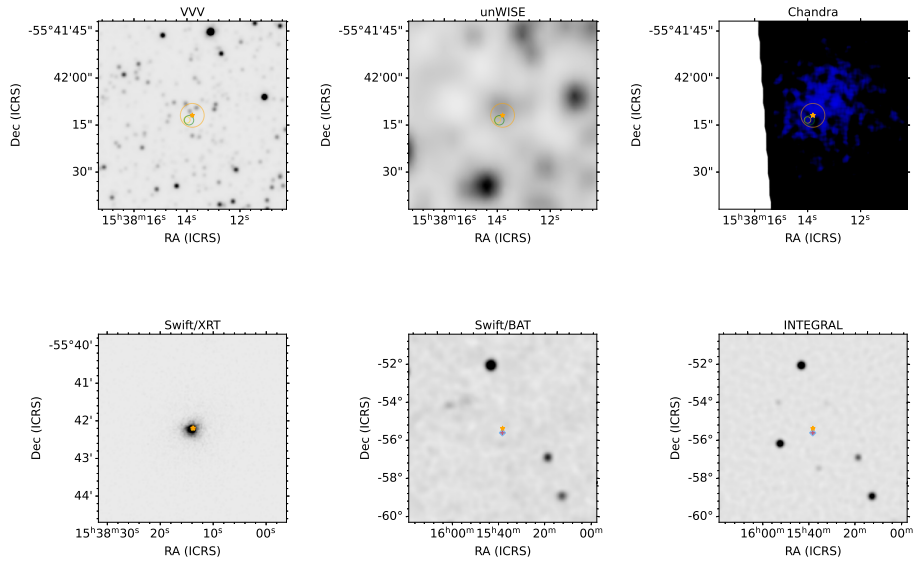
Alternative Name: J1538-5542
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Degenaar et al. (2012b)
Hydrogen Column density [10^{21}cm^{-2}]: 7.7

Compact Object

Orbital Period [d]: 1.23
 Kennea et al. (2007)

Optical Counterpart

Gaia DR3 Name:
K [mag]: 18.0(0.5)



IGR J15390-6226

Coordinates

RA: 15^h39^m11^s.963
DEC: −62°28′00.2″.3
Position-uncertainty [arcsec] : 5.000×10^{-1}
Galactic-longitude [deg]: 321.02
Galactic-latitude [deg]: −5.64
Coordinate-Reference: Krimm et al. (2009)

Binary System

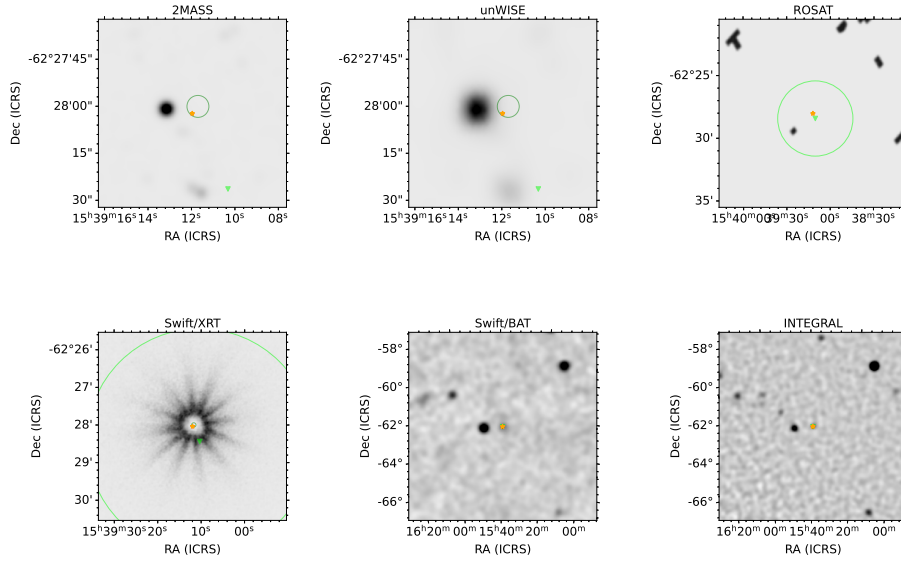
Alternative Name:
X-ray Type: XT, BH?
Hydrogen Column density [10^{21}cm^{-2}]: 0.65

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 10.01 - 1320.0
hard X-ray variability: 131.87

Optical Counterpart

Gaia DR3 Name:
J [mag]: 18.9
H [mag]: 16.8
K [mag]: 17.6



MAXI J1543-564*Coordinates*

RA: $15^{\text{h}}43^{\text{m}}17^{\text{s}}.348$
DEC: $-56^{\circ}24'49''.188$
Position-uncertainty [arcsec]: 4.585×10^{-4}
Galactic-longitude [deg]: 325.09
Galactic-latitude [deg]: -1.12
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

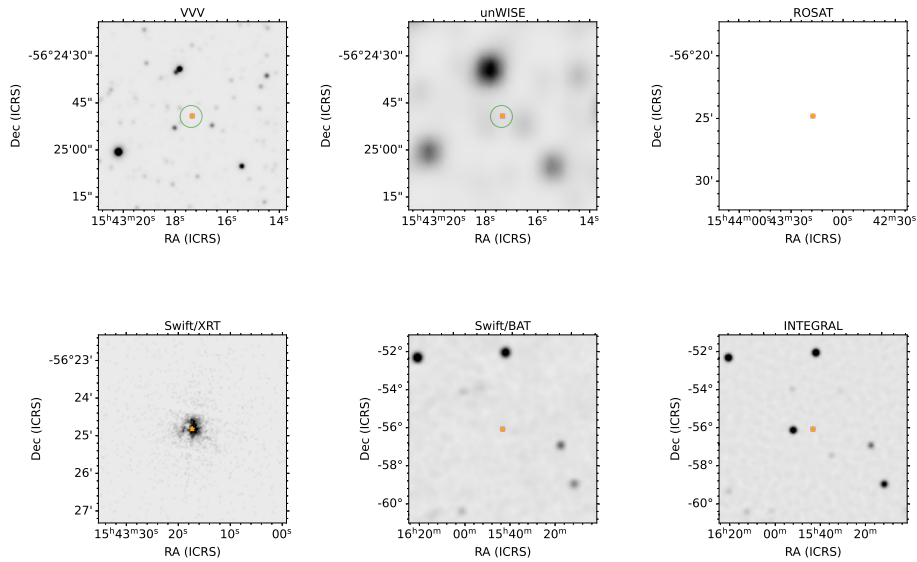
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 10.0
Distance Range [kpc]: 8.5 – 13.0
Distance-Reference: Chatterjee et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 3.12

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 48.0 - 720.0
soft X-ray variability: 15.0

Optical Counterpart

Gaia DR3 Name: 5884240474106548736
G [mag]: 19.981(0.006)
J [mag]: 16.426(0.027)
H [mag]: 21.70(0.20)
K [mag]: 20.80(0.20)



3FGL J1544.6-1125

Coordinates

RA: 15^h44^m39^s.389
DEC: −11°28′004″.88
Position-uncertainty [arcsec]: 2.126×10^{-4}
Galactic-longitude [deg]: 356.17
Galactic-latitude [deg]: 32.96
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

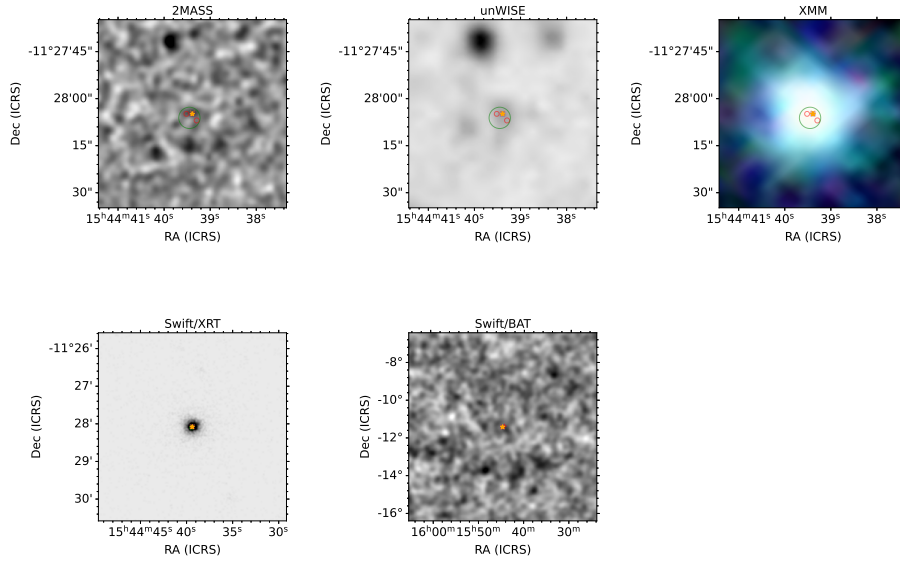
Alternative Name: 1RXS J154439.4-112820
X-ray Type: XP?, RP?, EB
Mean Distance [kpc]: 3.8
Distance Range [kpc]: 3.1 – 4.5
Distance-Reference: Britt et al. (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.14

Compact Object

Orbital Period [d]: 0.2415361
 Britt et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2.59 - 4.06
soft X-ray variability: 1.56

Optical Counterpart

Gaia DR3 Name: 6268529198286308224
Spectral Type: K6-7V
 Britt et al. (2017)
G [mag]: 18.603(0.009)
W1 [mag]: 15.950(0.028)
W2 [mag]: 15.83(0.06)



4U 1543-47*Coordinates*

RA: 15^h47^m08^s.265
DEC: −47°40′010″.37
Position-uncertainty [arcsec]: 5.030×10^{-5}
Galactic-longitude [deg]: 330.92
Galactic-latitude [deg]: 5.43
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

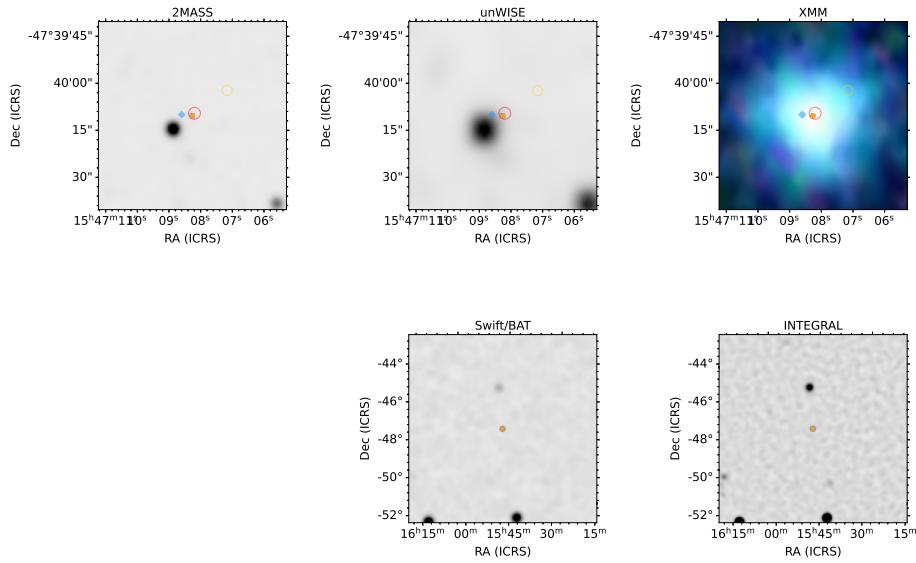
Alternative Name: IL Lup
X-ray Type: US, BH, XT, RP
Mean Distance [kpc]: 8.6
Distance Range [kpc]: 6.14 – 12.44
Distance-Reference: Gandhi et al. (2019)
Hydrogen Column density [10^{21}cm^{-2}]: 0.4

Compact Object

Orbital Period [d]: 1.1166666666666667
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 196000.0
soft X-ray variability: 21962918.94
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 168.0 - 620.0
hard X-ray variability: 3.69

Optical Counterpart

Gaia DR3 Name: 5986117923045619072
Spectral Type: A2/5
 Ritter & Kolb (2003)
G [mag]: 16.4669(0.0029)
V [mag]: 11.96(0.05)
J [mag]: 15.12(0.12)
H [mag]: 15.18(0.20)
K [mag]: 14.97(0.19)



4U 1543-624

Coordinates

RA: $15^{\text{h}}47^{\text{m}}00.54^{\text{s}}6$
DEC: $-62^{\circ}34'06''.226$
Position-uncertainty [arcsec]: 6.313×10^{-4}
Galactic-longitude [deg]: 321.76
Galactic-latitude [deg]: -6.34
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

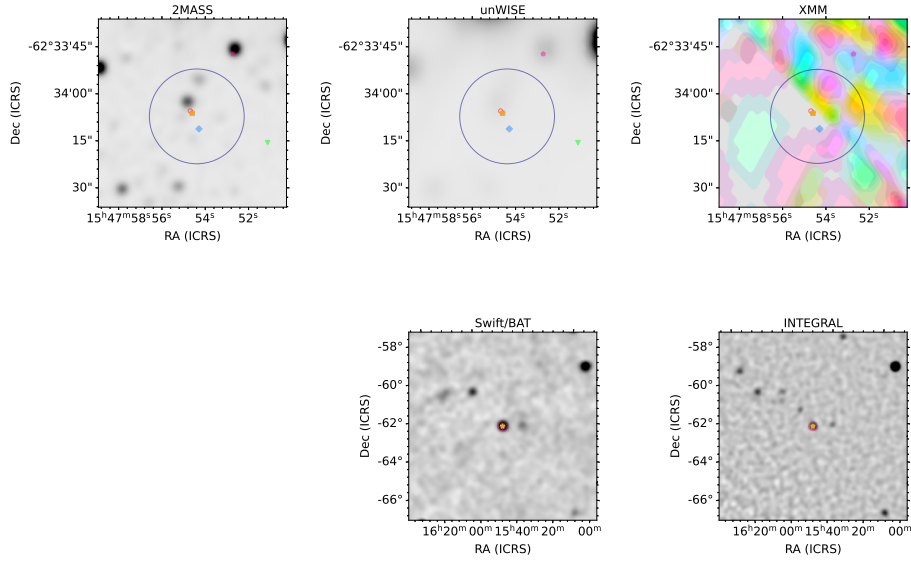
Alternative Name: QU TrA
Mean Distance [kpc]: 7.0
Distance Range [kpc]: 1.4 – 11.5
Distance-Reference: Wang & Chakrabarty (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 0.33

Compact Object

Orbital Period [d]: 0.012624999999999999
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 623.58
soft X-ray variability: 1.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 32.17
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 5826501373348972288
Spectral Type: C-O WD
 Wang & Chakrabarty (2004)
G [mag]: 20.320(0.009)



XTE J1550-564*Coordinates*

RA: 15^h50^m58^s.651
DEC: −56°28′35″.314
Position-uncertainty [arcsec]: 1.924×10^{-3}
Galactic-longitude [deg]: 325.88
Galactic-latitude [deg]: −1.83
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

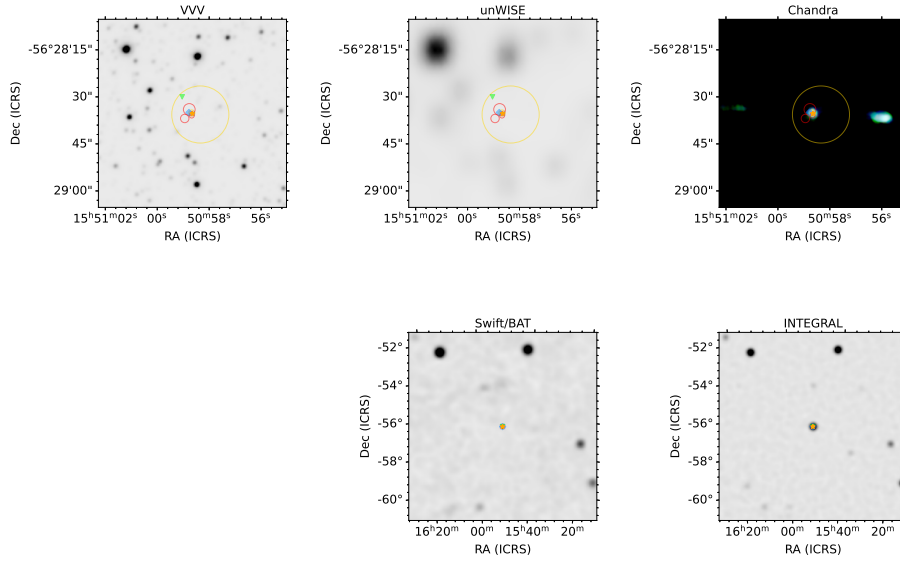
Alternative Name: J1550-5628
X-ray Type: MQ, BH, XT, RP
Mean Distance [kpc]: 4.4
Distance Range [kpc]: 4.0 – 4.8
Distance-Reference: Orosz et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 0.92

Compact Object

Orbital Period [d]: 1.5520833333333333
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.03 - 163200.0
soft X-ray variability: 5238677.62
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 3.05 - 193.77
hard X-ray variability: 63.53

Optical Counterpart

Gaia DR3 Name: 5884099221246440064
Spectral Type: K3III
G [mag]: 20.798(0.017)
V [mag]: 16.600000381469727
J [mag]: 17.37(0.07)
H [mag]: 16(17)
K [mag]: 16.21(0.06)



4U 1556-60

Coordinates

RA: $16^{\text{h}}01^{\text{m}}00^{\text{s}}.15$
DEC: $-60^{\circ}44'019''.22$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 324.14
Galactic-latitude [deg]: -5.93
Coordinate-Reference: Revnivtsev et al. (2013)

Binary System

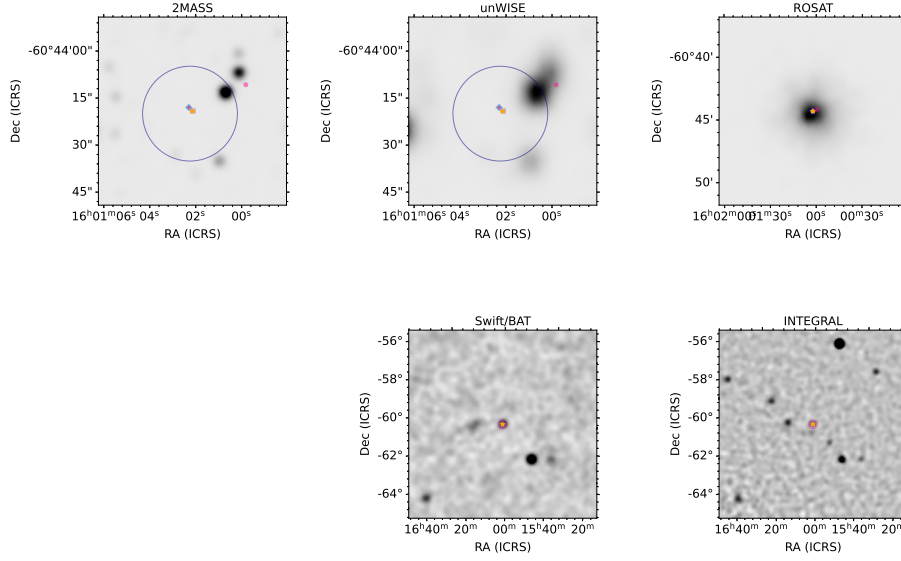
Alternative Name: 4U 1556-605
X-ray Type: AS
Mean Distance [kpc]: 4.0
Distance Range [kpc]: 3.0 – 5.0
Distance-Reference: Christian & Swank (1997)
Hydrogen Column density [10^{21}cm^{-2}]: 0.34

Compact Object

Orbital Period [d]: 0.37916666666666665
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 5833042299288099072
G [mag]: 19.092(0.009)
V [mag]: 18.600000381469727
J [mag]: 17.83(0.06)
H [mag]: 17.52(0.08)
K [mag]: 17.40(0.14)



SAX J1603.9-7753

Coordinates

RA: $16^{\text{h}}03^{\text{m}}00.54^{\text{s}}0$
DEC: $-77^{\circ}53'00.06''0$
Galactic-longitude [deg]: 312.43
Galactic-latitude [deg]: -18.73
Coordinate-Reference: Liu et al. (2007)

Binary System

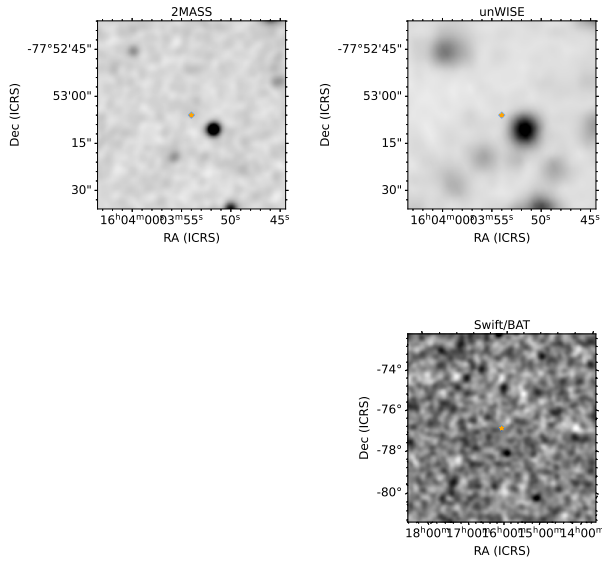
Alternative Name:
X-ray Type: XB, XT
Hydrogen Column density [10^{21}cm^{-2}]: 0.07

Compact Object

soft-band flux [$10^{-12}\text{erg/cm}^2/\text{s}$]: 48.0 - 3600.0
soft X-ray variability: 75.0

Optical Counterpart

Gaia DR3 Name:



1E 1603.6+2600

Coordinates

RA: 16^h05^m04^s.88
DEC: +25°51'045"14
Position-uncertainty [arcsec]: 2.599×10^{-4}
Galactic-longitude [deg]: 42.75
Galactic-latitude [deg]: 46.78
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

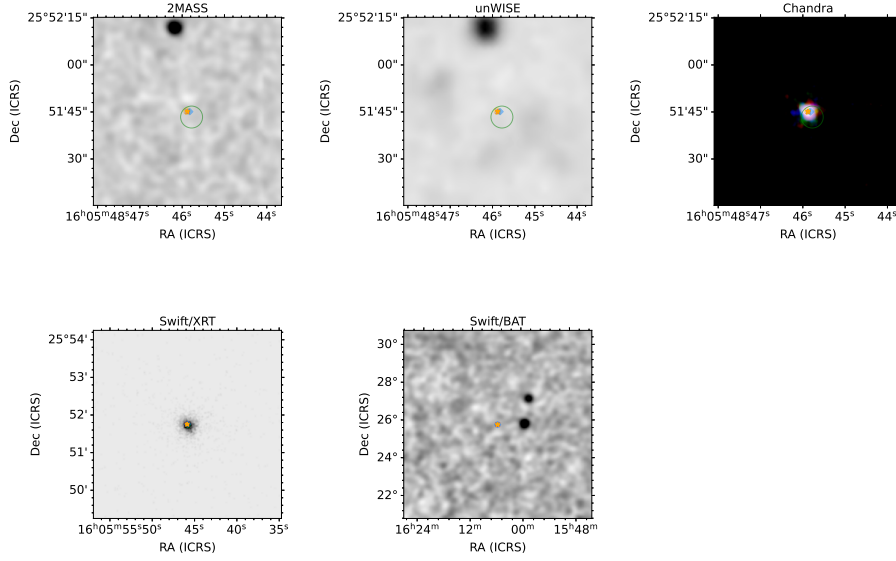
Alternative Name: MS 1603+2600
X-ray Type: DC, XB, PSH
Mean Distance [kpc]: 3.57
Distance Range [kpc]: 1.49 – 5.74
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.1

Compact Object

Orbital Period [d]: 0.07708333333333334
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 3.0 - 12.0
soft X-ray variability: 4.0

Optical Counterpart

Gaia DR3 Name: 1315375795016730880
Spectral Type: M
 Morris et al. (1990)
G [mag]: 19.538(0.011)
V [mag]: 19.700000762939453
W1 [mag]: 18.34(0.14)
W2 [mag]: 18.465000(0)



4U 1608-522*Coordinates*

RA: $16^{\text{h}}12^{\text{m}}04.3^{\text{s}}11$
DEC: $-52^{\circ}25'23''.857$
Position-uncertainty [arcsec]: 1.854×10^0
Galactic-longitude [deg]: 330.93
Galactic-latitude [deg]: -0.85
Coordinate-Reference: Evans et al. (2010)

Binary System

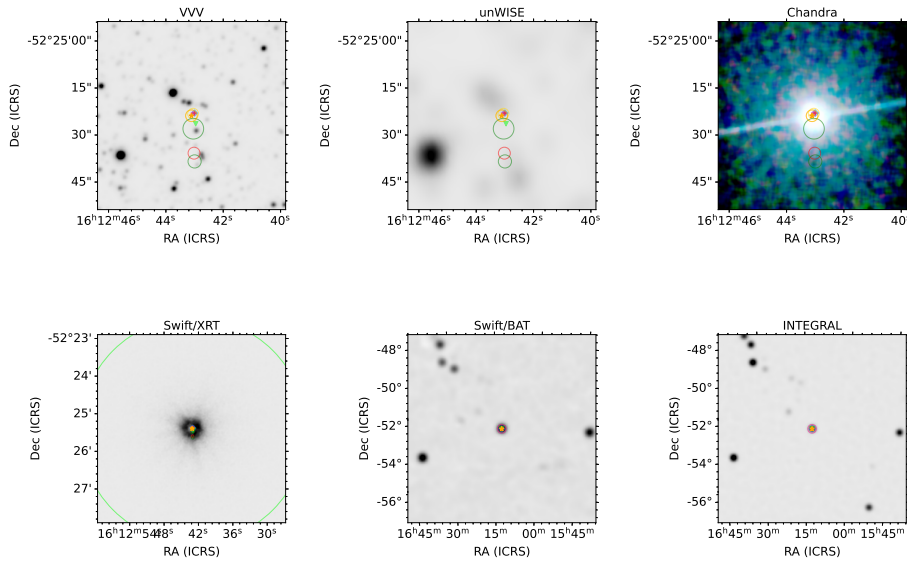
Alternative Name: QX Nor
X-ray Type: XT, BO, XB, AS
Mean Distance [kpc]: 3.7
Distance Range [kpc]: 3.4 – 4.0
Distance-Reference: Özel et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 1.4

Compact Object

Orbital Period [d]: 0.5370833333333334
 Liu et al. (2007)
Pulse Period [s]: 0.0016
 Degenaar et al. (2015)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2418.85
soft X-ray variability: 1.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 241.1 - 419.0
hard X-ray variability: 1.74

Optical Counterpart

Gaia DR3 Name:



2E 1613.5-5053

Coordinates

RA: $16^{\text{h}}17^{\text{m}}00.36^{\text{s}}$
DEC: $-51^{\circ}02'26''.556$
Position-uncertainty [arcsec]: 1.131×10^{-1}
Galactic-longitude [deg]: 332.43
Galactic-latitude [deg]: -0.37
Coordinate-Reference: Cutri et al. (2003)

Binary System

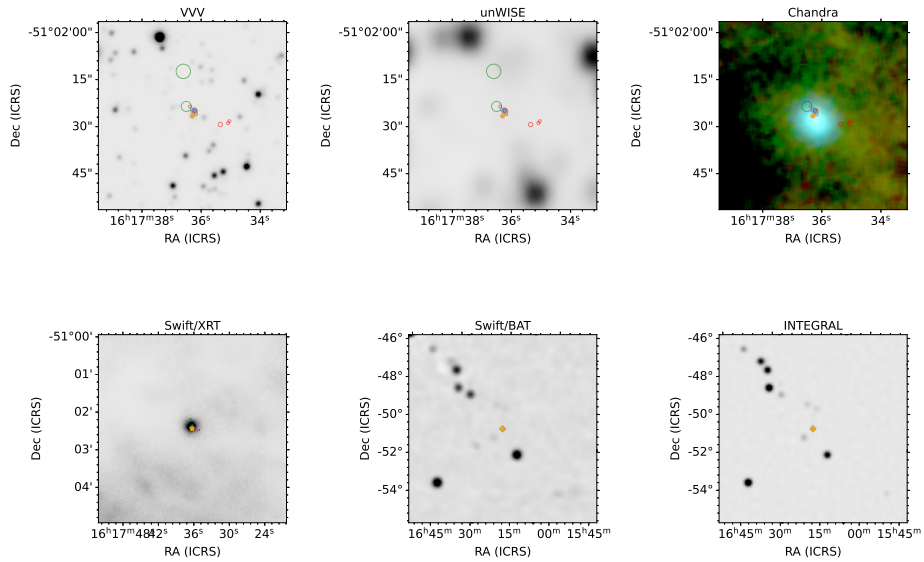
Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 3.3
Distance-Reference: Tuohy & Garmire (1980)
Hydrogen Column density [10^{21}cm^{-2}]: 0.42

Compact Object

Orbital Period [d]: 0.27791666666666665
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.59 - 41.53
soft X-ray variability: 70.51

Optical Counterpart

Gaia DR3 Name:
J [mag]: 15.760000(0)
H [mag]: 14.67(0.09)
K [mag]: 13.76(0.08)



IGR J16194-2810*Coordinates*

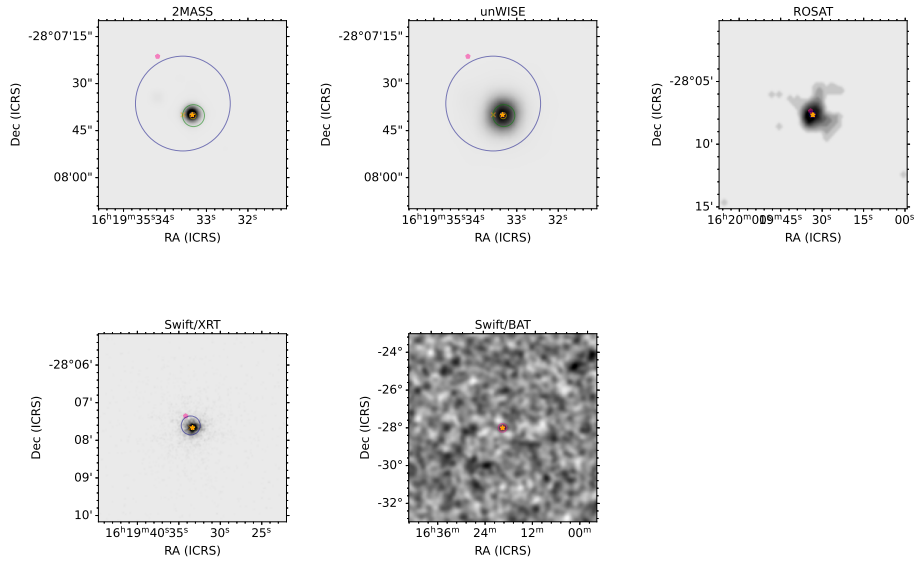
RA: 16^h19^m33^s.342
DEC: −28°07′39″.986
Position-uncertainty [arcsec] : 3.659×10^{-5}
Galactic-longitude [deg]: 349.12
Galactic-latitude [deg]: 15.54
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
Mean Distance [kpc]: 2.58
Distance Range [kpc]: 2.55 – 2.64
Distance-Reference: Anders et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.84

Optical Counterpart

Gaia DR3 Name: 6039227323926220544
Spectral Type: M2III
 Pecaut & Mamajek (2016)
G [mag]: 11.4215(0.0032)
V [mag]: 12.684(0.010)
J [mag]: 8.268(0.029)
H [mag]: 7.33(0.04)
K [mag]: 6.984(0.016)
W1 [mag]: 7.614(0.014)
W2 [mag]: 8.759(0.017)



X Sco XR-1

Coordinates

RA: 16^h19^m55^s.061
DEC: −15°38′25″.215
Position-uncertainty [arcsec]: 2.422×10^{-5}
Galactic-longitude [deg]: 359.09
Galactic-latitude [deg]: 23.78
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

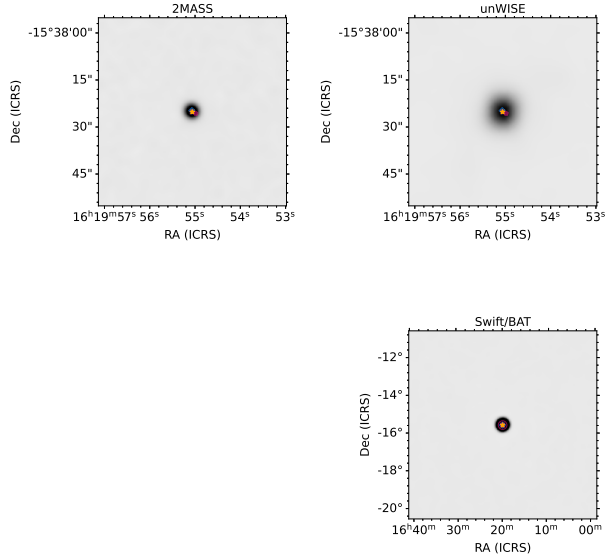
Alternative Name: Sco X-1
X-ray Type: ZS, MQ, RP
Mean Distance [kpc]: 1.72
Distance Range [kpc]: 1.7 – 1.73
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.3

Compact Object

Orbital Period [d]: 0.7875
Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 4328198145165324800
Spectral Type: Oev
G [mag]: 12.457(0.014)
V [mag]: 11.100000381469727
J [mag]: 11.907(0.027)
H [mag]: 11.547(0.026)
K [mag]: 11.147(0.023)
W1 [mag]: 11.246(0.014)
W2 [mag]: 11.042(0.011)



MAXI J1621-501*Coordinates*

RA: $16^{\text{h}}20^{\text{m}}022^{\text{s}}.01$
DEC: $-50^{\circ}01'11''.604$
Position-uncertainty [arcsec]: 3.400×10^0
Galactic-longitude [deg]: 333.46
Galactic-latitude [deg]: 0.05
Coordinate-Reference: Bahramian et al. (2017c)

Binary System

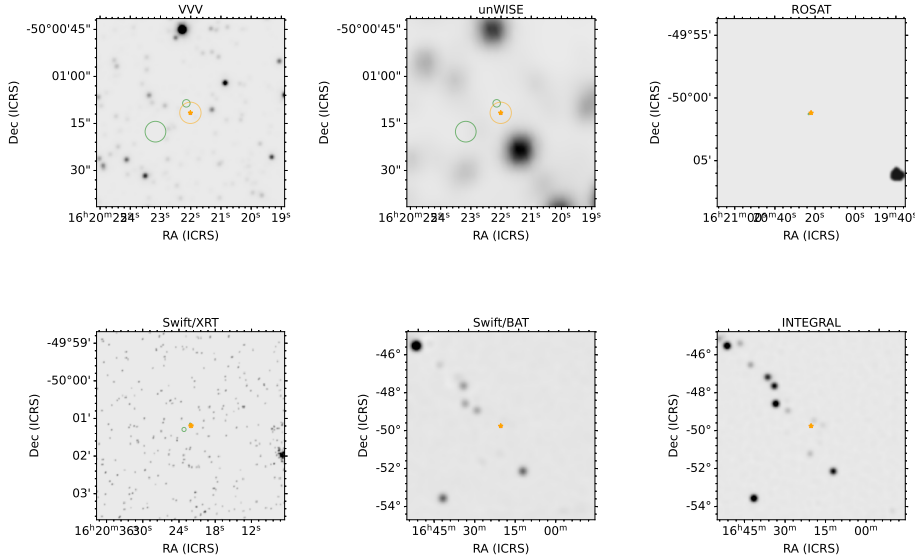
Alternative Name: AX J1620.1-5002
X-ray Type: XT, XB
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 6.4 – 10.4
Distance-Reference: Chenevez et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 9.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 576.0 - 2760.91
soft X-ray variability: 4.79
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 221.52 - 540.0
hard X-ray variability: 2.44

Optical Counterpart

Gaia DR3 Name:
V [mag]: 12.38(0.08)



2MASS J16233414-2631336

Coordinates

RA: $16^{\text{h}}23^{\text{m}}34^{\text{s}}.108$
DEC: $-26^{\circ}31'33''.557$
Position-uncertainty [arcsec]: 6.578×10^{-5}
Galactic-longitude [deg]: 350.97
Galactic-latitude [deg]: 15.98
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

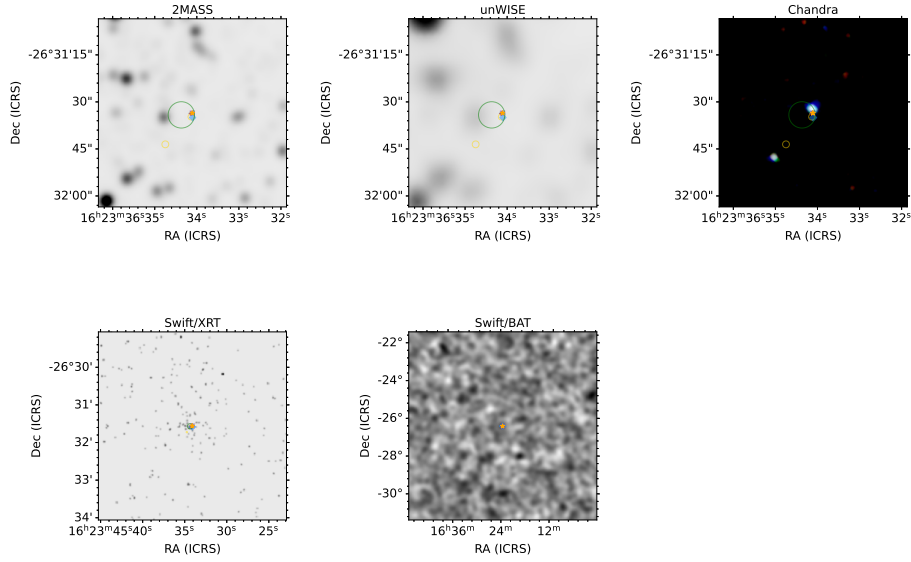
Alternative Name: NGC 6121-CX1
X-ray Type: GC, QNS?
Mean Distance [kpc]: 2.19
Distance Range [kpc]: 2.08 – 2.31
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.33

Compact Object

Orbital Period [d]: 0.262822
 Ritter & Kolb (2003)

Optical Counterpart

Gaia DR3 Name: 6045465884181756800
G [mag]: 15.9972(0.0031)
J [mag]: 14.19(0.15)
H [mag]: 13.80(0.13)
K [mag]: 13.72(0.14)



4U 1624-49*Coordinates*

RA: $16^{\text{h}}28^{\text{m}}02^{\text{s}}.825$
DEC: $-49^{\circ}11'54''.614$
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 334.92
Galactic-latitude [deg]: -0.26
Coordinate-Reference: Wachter et al. (2005)

Binary System

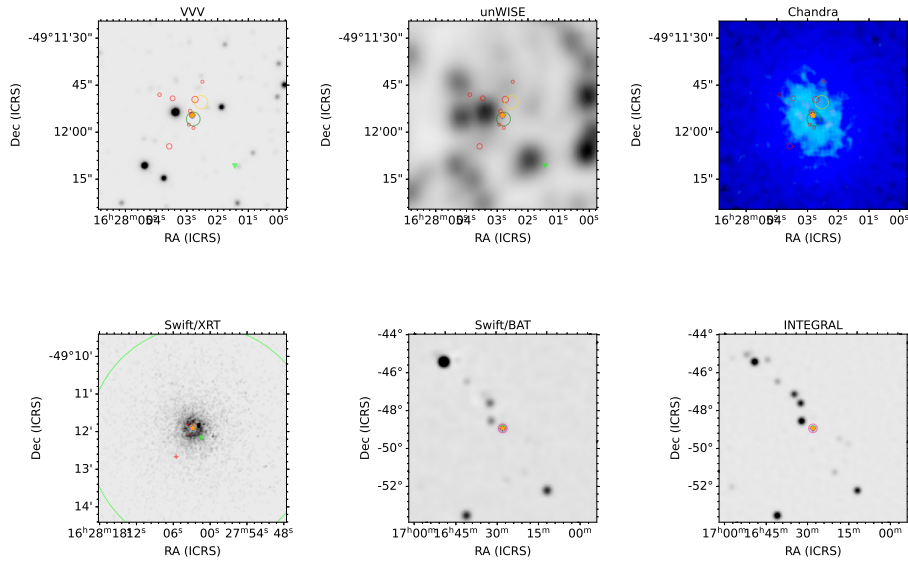
Alternative Name: 2XMM J162802.8-491154
X-ray Type: DC, DS, AS
Mean Distance [kpc]: 15.0
Distance Range [kpc]: 12.4 – 17.9
Distance-Reference: Xiang et al. (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 8.1

Compact Object

Orbital Period [d]: 0.8704166666666667
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 670.0 - 905.0
soft X-ray variability: 1.35
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 44.33 - 78.53
hard X-ray variability: 1.77

Optical Counterpart

Gaia DR3 Name:
K [mag]: 18.31(0.10)



IGR J16287-5021

Coordinates

RA: $16^{\text{h}}28^{\text{m}}26^{\text{s}}.859$
DEC: $-50^{\circ}22'039''.45$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 334.11
Galactic-latitude [deg]: -1.13
Coordinate-Reference: Rodriguez et al. (2009)

Binary System

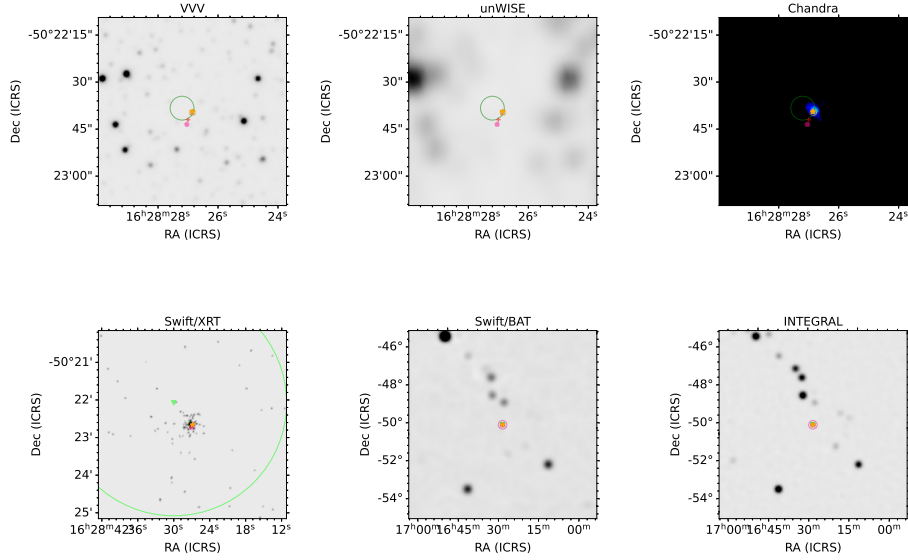
Alternative Name:
Mean Distance [kpc]: 4.17
Distance Range [kpc]: 2.3 – 6.0
Distance-Reference: Bailer-Jones et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 2.6

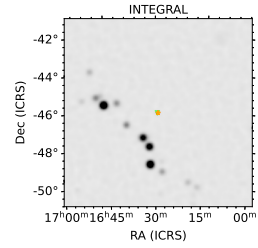
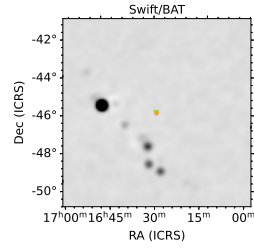
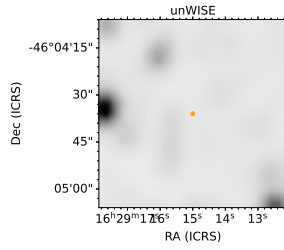
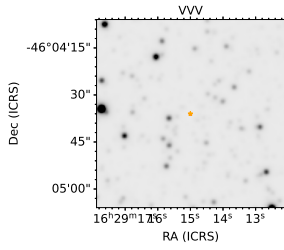
Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.43 - 7.01
hard X-ray variability: 1.29

Optical Counterpart

Gaia DR3 Name: 5934583950467938304
G [mag]: 19.376(0.006)
J [mag]: 16.84(0.04)
H [mag]: 16.25(0.10)
K [mag]: 15.94(0.09)



IGR J16293-4603*Coordinates***RA:** 16^h29^m00^s15.0**DEC:** −46°04′00[″]36.0**Galactic-longitude** [deg]: 337.31**Galactic-latitude** [deg]: 1.75**Coordinate-Reference:** Krivonos et al. (2010)*Binary System***Alternative Name:***Compact Object***hard-band flux** [10^{-12} erg/cm²/s]: 5.58**hard X-ray variability:** 1.0*Optical Counterpart***Gaia DR3 Name:**

MAXI J1631-479

Coordinates

RA: $16^{\text{h}}31^{\text{m}}014^{\text{s}}.22$
DEC: $-47^{\circ}48'023''.44$
Position-uncertainty [arcsec] : 8.485×10^{-2}
Galactic-longitude [deg]: 336.29
Galactic-latitude [deg]: 0.31
Coordinate-Reference: Russell et al. (2019b)

Binary System

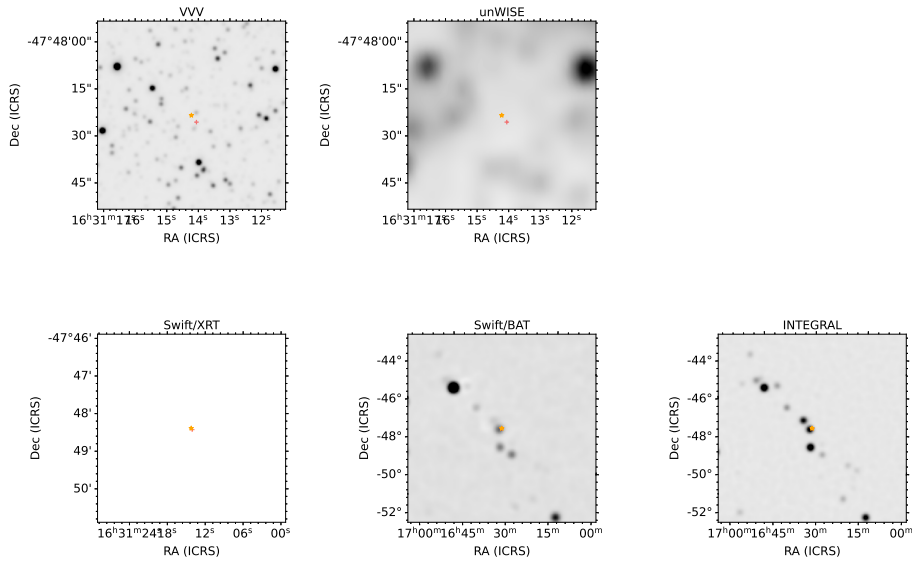
Alternative Name:
X-ray Type: XT, BH?, RP
Mean Distance [kpc]: 4.5
Distance-Reference: Rout et al. (2023)
Hydrogen Column density [10^{21}cm^{-2}]: 6.4

Compact Object

soft-band flux [$10^{-12}\text{erg/cm}^2/\text{s}$]: 0.05 - 25000.0
soft X-ray variability: 462962.96

Optical Counterpart

Gaia DR3 Name:



4U 1626-67*Coordinates*

RA: $16^{\text{h}}32^{\text{m}}16^{\text{s}}.735$
DEC: $-67^{\circ}27'40''.277$
Position-uncertainty [arcsec]: 2.388×10^{-1}
Galactic-longitude [deg]: 321.79
Galactic-latitude [deg]: -13.09
Coordinate-Reference: Webb et al. (2020)

Binary System

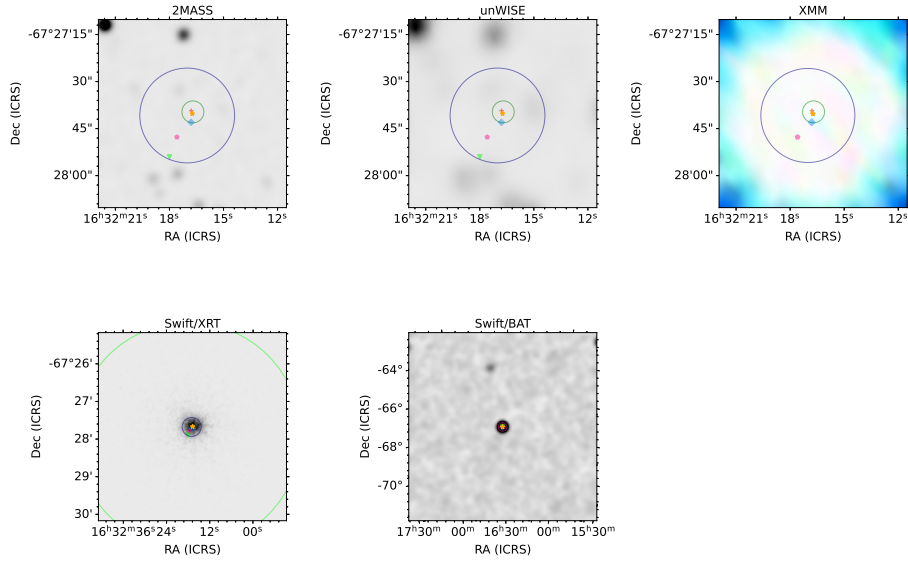
Alternative Name: 4U 1627-67
X-ray Type: XP
Mean Distance [kpc]: 9.0
Distance-Reference: Grimm et al. (2002)
Hydrogen Column density [10^{21}cm^{-2}]: 0.13

Compact Object

Orbital Period [d]: 0.028749999999999998
 Liu et al. (2007)
Pulse Period [s]: 7.7
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 154.44 - 232.1
soft X-ray variability: 1.5
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 213.36 - 232.1
hard X-ray variability: 1.09

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD
 Yu et al. (2021)
V [mag]: 18.5



4U 1630-47

Coordinates

RA: $16^{\text{h}}34^{\text{m}}01^{\text{s}}.585$
DEC: $-47^{\circ}23'35''.351$
Position-uncertainty [arcsec]: 8.998×10^{-1}
Galactic-longitude [deg]: 336.91
Galactic-latitude [deg]: 0.25
Coordinate-Reference: Webb et al. (2020)

Binary System

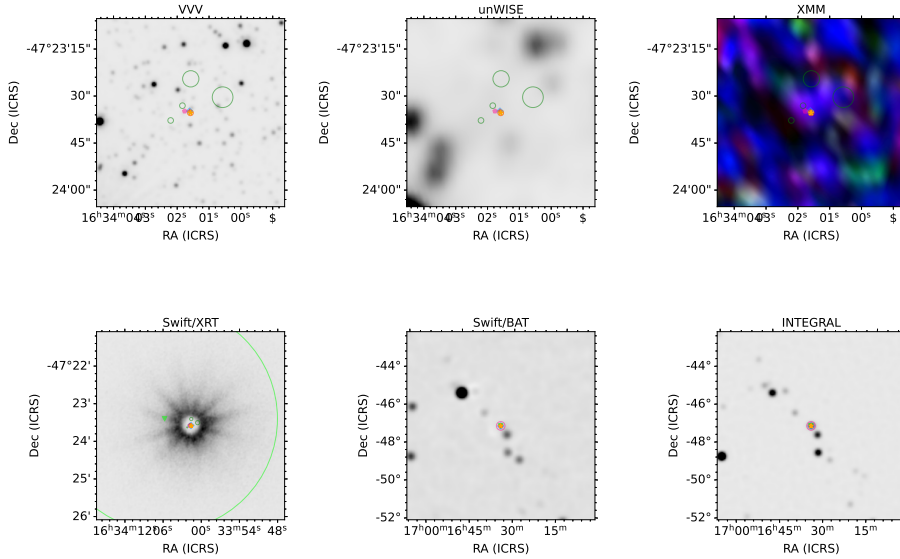
Alternative Name: X Nor X-1
X-ray Type: RP, US, DS, XT, BH?
Mean Distance [kpc]: 8.1
Distance Range [kpc]: 4.4 – 11.8
Distance-Reference: Kalemci et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 7.7

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 410.0 - 6792.5
soft X-ray variability: 16.57
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 242.53 - 5297.28
hard X-ray variability: 21.84

Optical Counterpart

Gaia DR3 Name:



IGR J16358-4726*Coordinates*

RA: $16^{\text{h}}35^{\text{m}}53^{\text{s}}.696$
DEC: $-47^{\circ}25'39''.817$
Position-uncertainty [arcsec]: 8.485×10^{-2}
Galactic-longitude [deg]: 337.1
Galactic-latitude [deg]: -0.01
Coordinate-Reference: Cutri et al. (2003)

Binary System

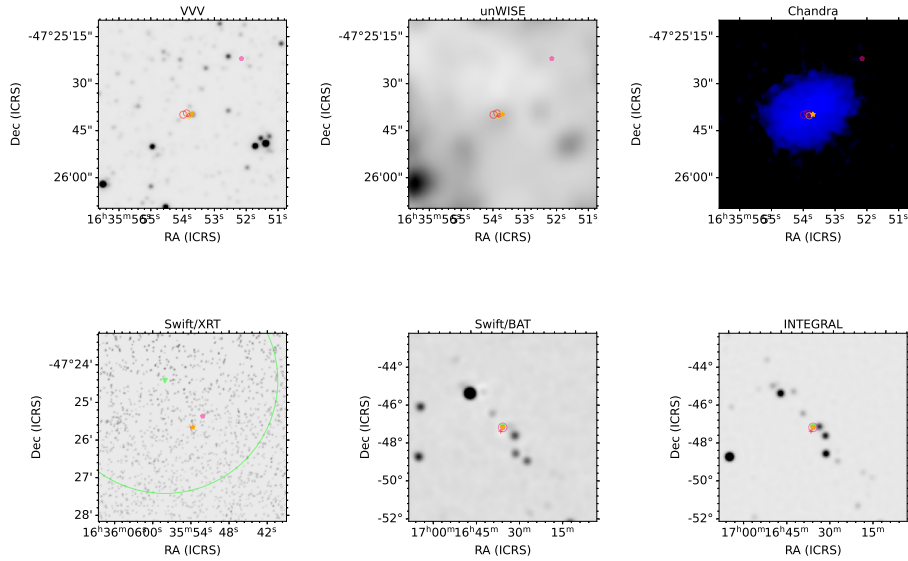
Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 9.0
Distance Range [kpc]: 5.0 – 13.0
Distance-Reference: Lutovinov et al. (2005a)
Hydrogen Column density [10^{21}cm^{-2}]: 40.0

Compact Object

Pulse Period [s]: 5880.0
 Patel et al. (2004)
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 8.87 - 74.64
hard X-ray variability: 8.42

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K-M III
 Nespoli et al. (2010)
J [mag]: 15.41(0.05)
H [mag]: 13.44(0.04)
K [mag]: 12.59(0.04)
W1 [mag]: 12.462(0.013)
W2 [mag]: 12.24(0.31)



KS 1632-477

Coordinates

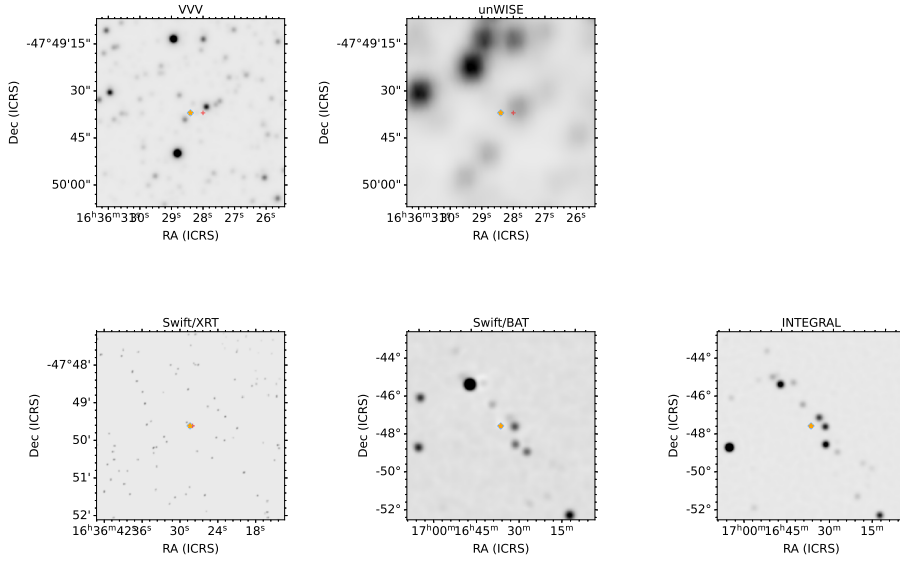
RA: $16^{\text{h}}36^{\text{m}}00.28^{\text{s}}.4$
DEC: $-47^{\circ}49'00.37''.0$
Galactic-longitude [deg]: 336.87
Galactic-latitude [deg]: -0.35
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name: GRS 1632-477

Optical Counterpart

Gaia DR3 Name:



XTE J1637-498*Coordinates*

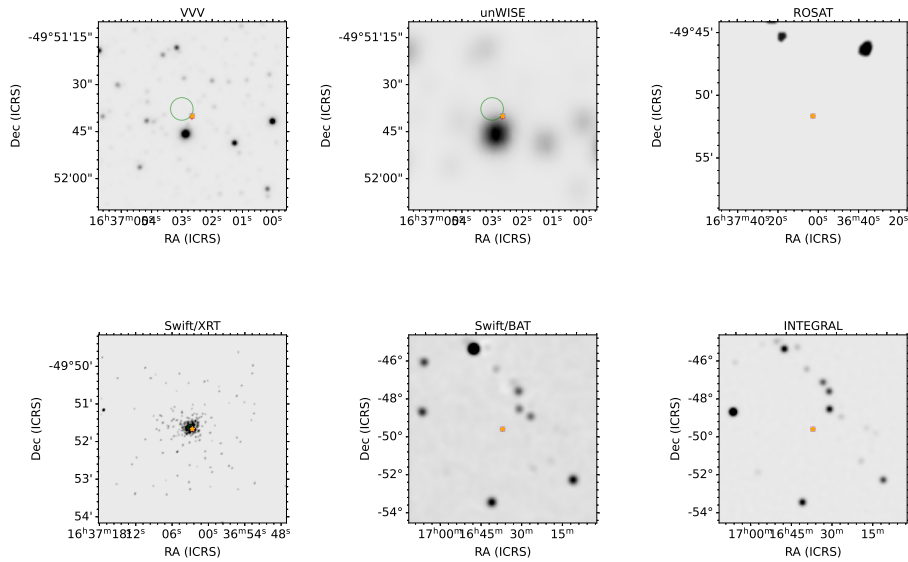
RA: $16^{\text{h}}37^{\text{m}}02^{\text{s}}.657$
DEC: $-49^{\circ}51'40''.036$
Position-uncertainty [arcsec]: 1.264×10^{-4}
Galactic-longitude [deg]: 335.43
Galactic-latitude [deg]: -1.78
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 5.14
Distance Range [kpc]: 3.92 – 9.03
Distance-Reference: Anders et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 3.38

Optical Counterpart

Gaia DR3 Name: 5940421734427982336
G [mag]: 17.7716(0.0029)
J [mag]: 14.56(0.16)
H [mag]: 13.85(0.27)
K [mag]: 13.37(0.12)



4U 1636-536

Coordinates

RA: 16^h40^m55^s.587
DEC: −53°45′05″.081
Position-uncertainty [arcsec]: 1.313×10^{-4}
Galactic-longitude [deg]: 332.92
Galactic-latitude [deg]: −4.82
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

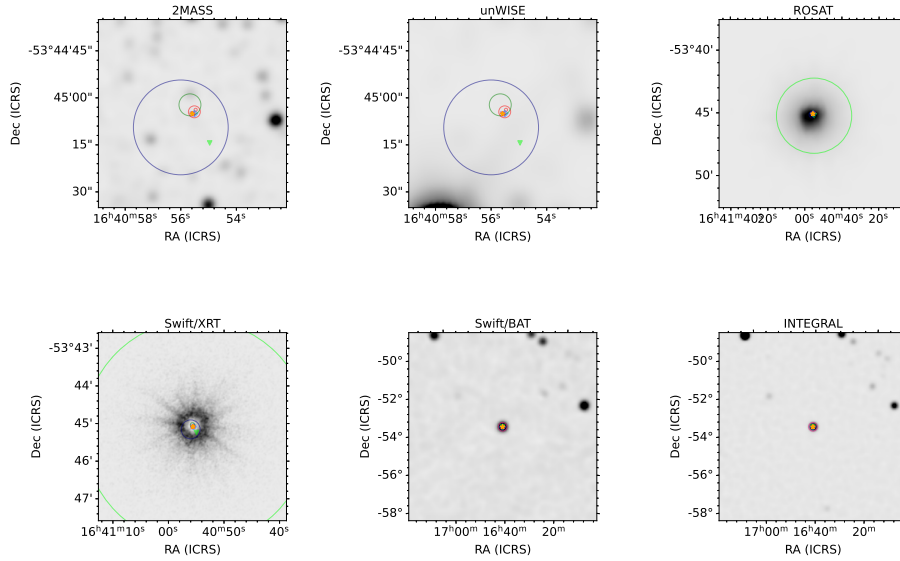
Alternative Name: MXB 1636-53
X-ray Type: BO, XB, AS
Mean Distance [kpc]: 3.31
Distance Range [kpc]: 3.26 – 3.35
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.55

Compact Object

Orbital Period [d]: 0.15833333333333333
 Liu et al. (2007)
Pulse Period [s]: 0.001721
 Giles et al. (2002)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2410.62 - 9298.0
soft X-ray variability: 3.86
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 303.16 - 9298.0
hard X-ray variability: 30.67

Optical Counterpart

Gaia DR3 Name: 5930753870442684544
G [mag]: 18.218(0.013)
V [mag]: 17.5



[FLM96] M 13 Ga

Coordinates

RA: $16^{\text{h}}41^{\text{m}}43^{\text{s}}.632$
DEC: $+36^{\circ}27'058''.68$
Position-uncertainty [arcsec] : 4.800×10^0
Galactic-longitude [deg]: 59.02
Galactic-latitude [deg]: 40.91
Coordinate-Reference: Gendre et al. (2003)

Binary System

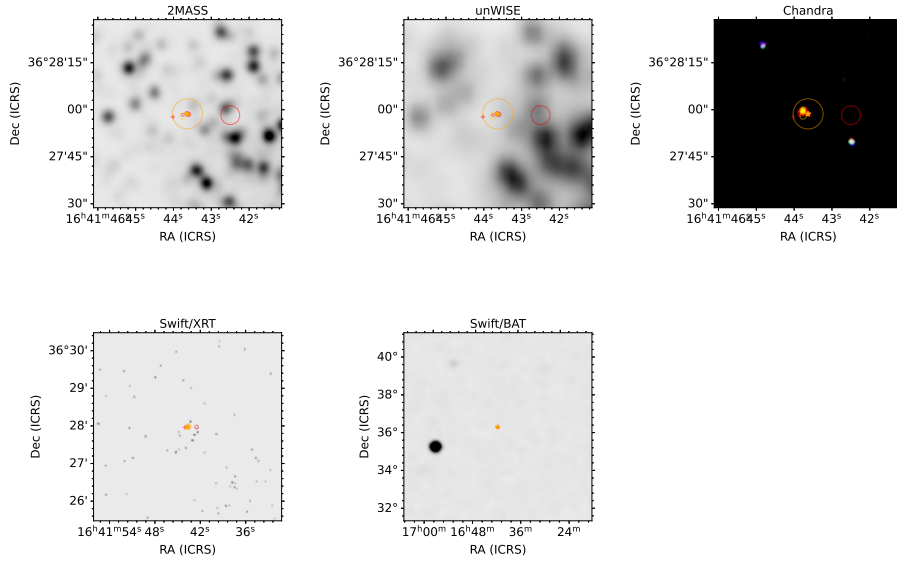
Alternative Name:
X-ray Type: GC, QNS?
Mean Distance [kpc]: 7.7
Distance-Reference: Gendre et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.11

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 0.08
soft X-ray variability: 2.36

Optical Counterpart

Gaia DR3 Name:



2XMM J164143.6+362758

Coordinates

RA: 16^h41^m43^s.763
DEC: +36°27'58"005
Position-uncertainty [arcsec] : 1.005×10^0
Galactic-longitude [deg]: 59.02
Galactic-latitude [deg]: 40.91
Coordinate-Reference: Evans et al. (2010)

Binary System

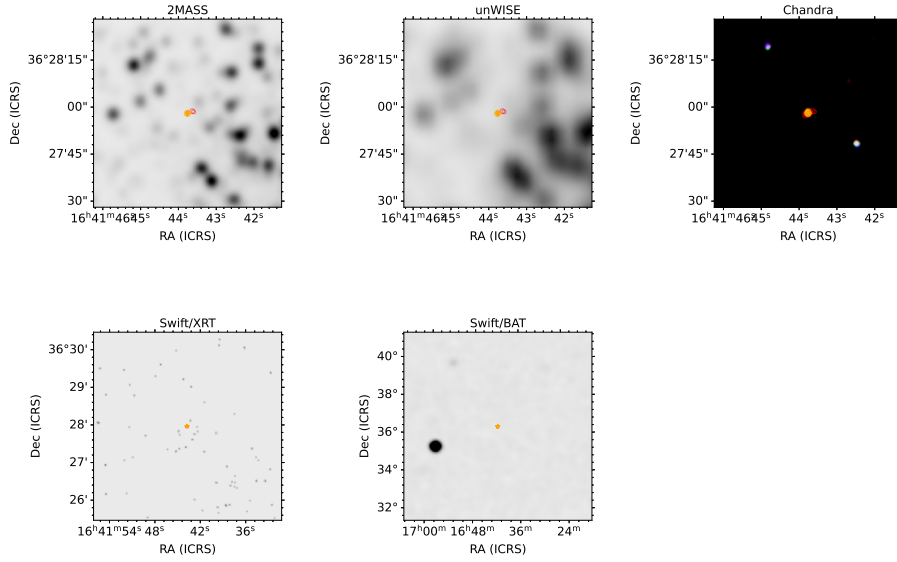
Alternative Name:

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.04 - 0.09
soft X-ray variability: 2.56

Optical Counterpart

Gaia DR3 Name:



4U 1642-45*Coordinates*

RA: $16^{\text{h}}45^{\text{m}}47^{\text{s}}.704$
DEC: $-45^{\circ}36'40''.043$
Position-uncertainty [arcsec]: 8.985×10^{-1}
Galactic-longitude [deg]: 339.59
Galactic-latitude [deg]: -0.08
Coordinate-Reference: Webb et al. (2020)

Binary System

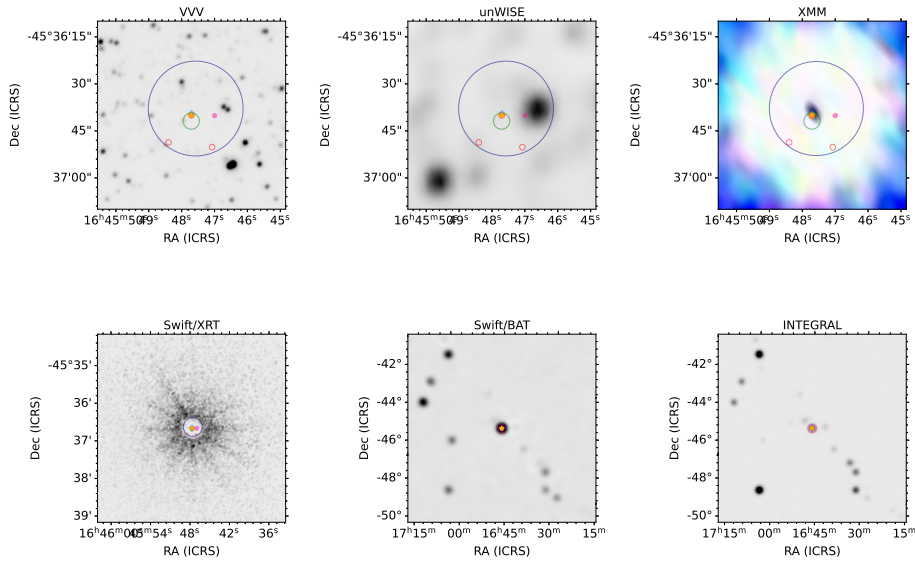
Alternative Name: GX 340+0
X-ray Type: ZS, RP
Mean Distance [kpc]: 11.0
Distance Range [kpc]: 8.0 – 14.0
Distance-Reference: Fender & Hendry (2000)
Hydrogen Column density [10^{21}cm^{-2}]: 6.2

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 103.85 - 52930.0
soft X-ray variability: 509.7

Optical Counterpart

Gaia DR3 Name:
V [mag]: 14.30(0.20)



XTE J1650-500

Coordinates

RA: $16^{\text{h}}50^{\text{m}}00^{\text{s}}.946$
DEC: $-49^{\circ}57'44''.259$
Position-uncertainty [arcsec]: 1.005×10^0
Galactic-longitude [deg]: 336.72
Galactic-latitude [deg]: -3.43
Coordinate-Reference: Evans et al. (2010)

Binary System

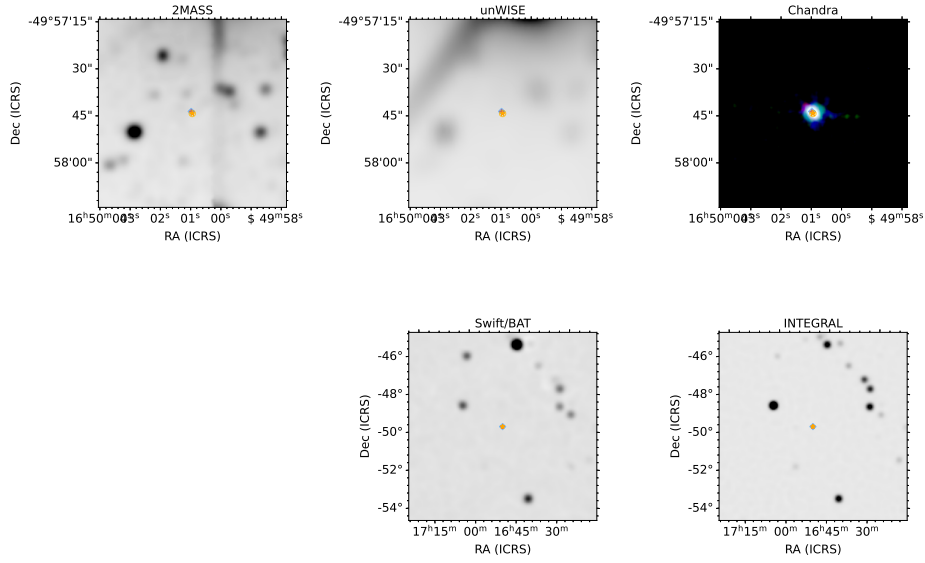
Alternative Name: J1650-4957
X-ray Type: BH, XT, RP
Mean Distance [kpc]: 2.6
Distance Range [kpc]: 1.9 – 3.3
Distance-Reference: Homan et al. (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

Orbital Period [d]: 0.3179166666666667
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K4V
 Yungelson & Lasota (2008b)
V [mag]: 24.00(0.07)
J [mag]: 18.5
H [mag]: 18.4
K [mag]: 17.8



XTE J1652-453*Coordinates*

RA: $16^{\text{h}}52^{\text{m}}20^{\text{s}}.366$
DEC: $-45^{\circ}20'39''.962$
Position-uncertainty [arcsec]: 1.900×10^0
Galactic-longitude [deg]: 340.53
Galactic-latitude [deg]: -0.79
Coordinate-Reference: Webb et al. (2020)

Binary System

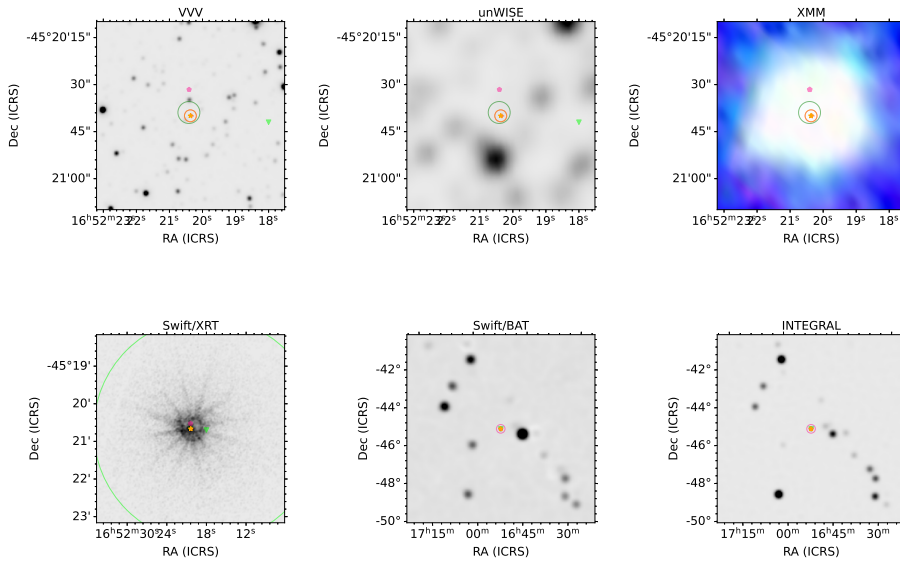
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 8.0
Distance-Reference: Han et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 7.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 514.66 - 2688.0
soft X-ray variability: 5.22
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 17.3 - 1166.0
hard X-ray variability: 67.39

Optical Counterpart

Gaia DR3 Name:



GRO J1655-40

Coordinates

RA: $16^{\text{h}}54^{\text{m}}00^{\text{s}}.136$
DEC: $-39^{\circ}50'44''.881$
Position-uncertainty [arcsec]: 5.177×10^{-5}
Galactic-longitude [deg]: 344.98
Galactic-latitude [deg]: 2.46
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

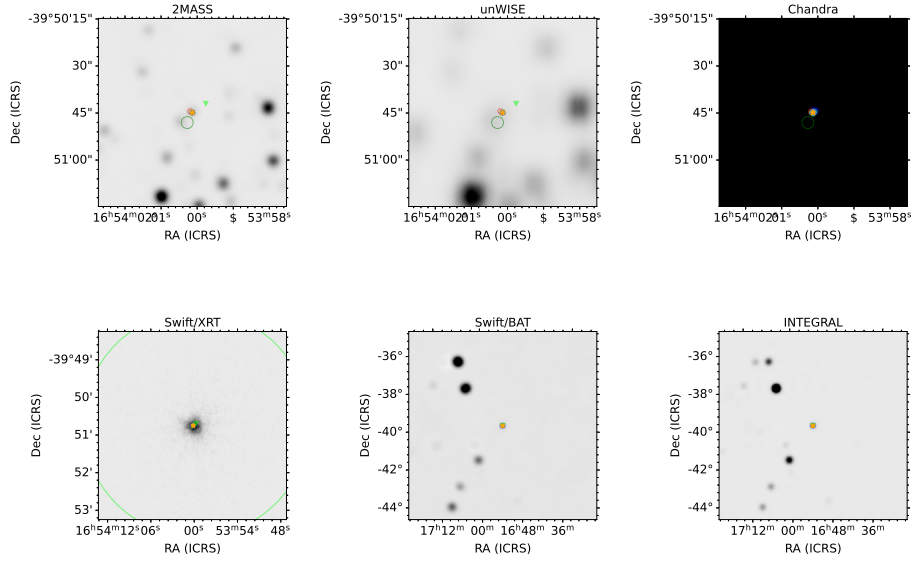
Alternative Name: XN Sco 1994
X-ray Type: DS, BH, MQ, XT, RP
Mean Distance [kpc]: 3.14
Distance Range [kpc]: 2.98 – 3.56
Distance-Reference: Anders et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.89

Compact Object

Orbital Period [d]: 2.62
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.02 - 29.09
soft X-ray variability: 1849.24
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 103.96
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 5969790961312131456
Spectral Type: F5IV
G [mag]: 16.227(0.006)
V [mag]: 14.19999809265137
J [mag]: 13.516(0.029)
H [mag]: 13.00(0.04)
K [mag]: 12.744(0.034)
W1 [mag]: 12.563(0.015)
W2 [mag]: 12.726(0.018)



Her X-1

Coordinates

RA: 16^h57^m49^s.809
DEC: +35°20'32".361
Position-uncertainty [arcsec]: 1.694×10^{-5}
Galactic-longitude [deg]: 58.15
Galactic-latitude [deg]: 37.52
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

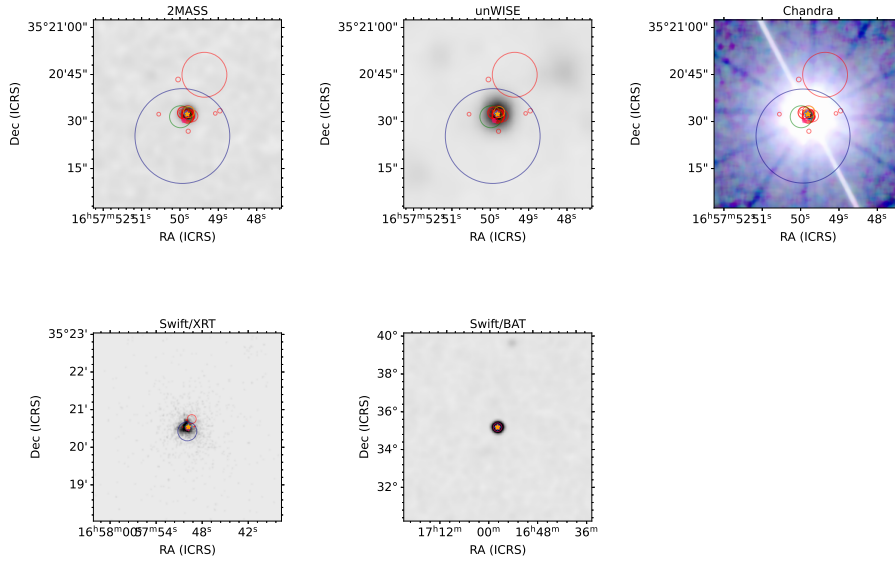
Alternative Name: Her X-1
X-ray Type: EB, XP, DS
Mean Distance [kpc]: 7.09
Distance Range [kpc]: 6.46 – 7.95
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 14.0

Compact Object

Orbital Period [d]: 1.7
 Liu et al. (2007)
Pulse Period [s]: 1.24
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 12.44 - 1398.82
soft X-ray variability: 112.45

Optical Counterpart

Gaia DR3 Name: 1338822021487330304
Spectral Type: B3/6ep
 Anderson et al. (1994)
G [mag]: 13.618(0.020)
V [mag]: 13.630000114440918
J [mag]: 13.729(0.029)
H [mag]: 13.609(0.031)
K [mag]: 13.628(0.034)
W1 [mag]: 13.222(0.015)
W2 [mag]: 13.172(0.012)



MAXI J1659-152

Coordinates

RA: $16^{\text{h}}59^{\text{m}}01^{\text{s}}.708$
DEC: $-15^{\circ}15'28''.931$
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 5.52
Galactic-latitude [deg]: 16.53
Coordinate-Reference: Evans et al. (2010)

Binary System

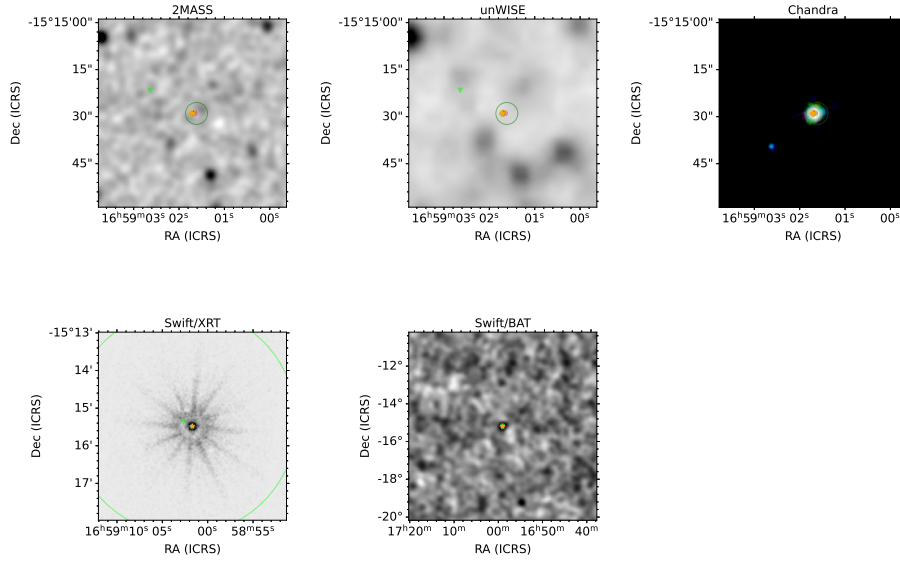
Alternative Name: GRB100925A
X-ray Type: BH?, XT
Mean Distance [kpc]: 6.0
Distance Range [kpc]: 4.0 – 8.0
Distance-Reference: Feng et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.29

Compact Object

Orbital Period [d]: 0.10083333333333333
 Kuulkers et al. (2013)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 62.84
soft X-ray variability: 32497.26
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 145.86
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M2/M5
 Ritter & Kolb (2003)



AX J1659.0-4208

Coordinates

RA: $16^{\text{h}}59^{\text{m}}05^{\text{s}}.653$
DEC: $-42^{\circ}07'025''84$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 343.8
Galactic-latitude [deg]: 0.28
Coordinate-Reference: Revnivtsev et al. (2013)

Binary System

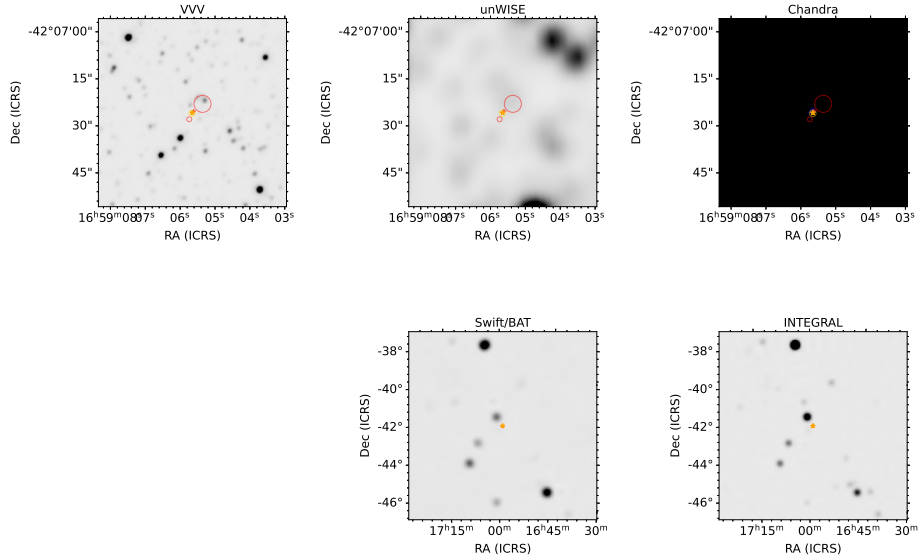
Alternative Name: 2XMMi J165905.6-420725
Mean Distance [kpc]: 8.5
Distance Range [kpc]: 5.0 – 10.0
Distance-Reference: Revnivtsev et al. (2013)
Hydrogen Column density [10^{21}cm^{-2}]: 1.56

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.2 - 6.0
soft X-ray variability: 30.0

Optical Counterpart

Gaia DR3 Name:
J [mag]: 18.33(0.06)
H [mag]: 16.050(0.030)
K [mag]: 14.91(0.04)



IGR J16597-3704

Coordinates

RA: $16^{\text{h}}59^{\text{m}}32^{\text{s}}.902$
DEC: $-37^{\circ}07'14''.278$
Position-uncertainty [arcsec]: 6.633×10^{-1}
Galactic-longitude [deg]: 347.79
Galactic-latitude [deg]: 3.31
Coordinate-Reference: Tetarenko et al. (2018)

Binary System

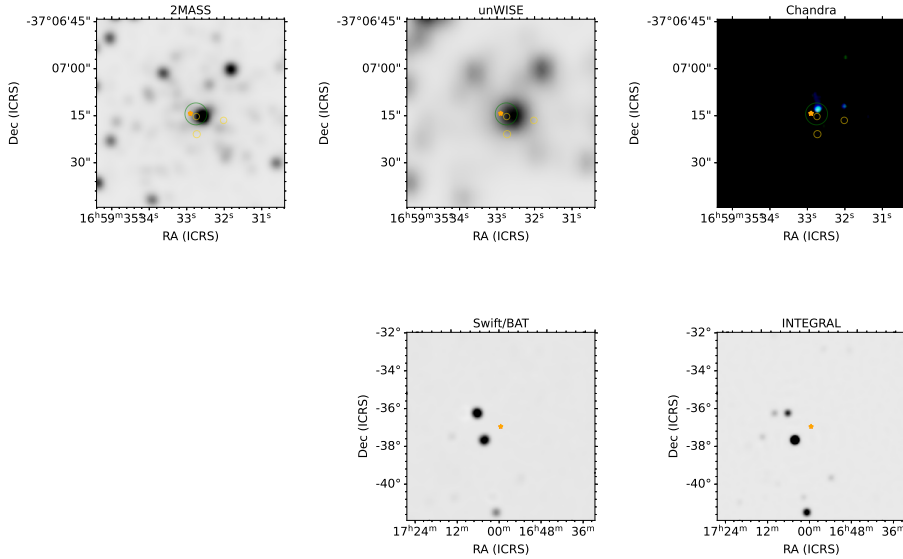
Alternative Name:
X-ray Type: XT, XP, GC
Mean Distance [kpc]: 9.1
Distance-Reference: Valenti et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 2.25

Compact Object

Orbital Period [d]: 0.03194444444444445
Sanna et al. (2018a)
Pulse Period [s]: 0.00951
Sanna et al. (2018a)

Optical Counterpart

Gaia DR3 Name:



XTE J1701-462*Coordinates*

RA: 17^h00^m58^s.451
DEC: -46°11'08"296
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 340.81
Galactic-latitude [deg]: -2.49
Coordinate-Reference: Evans et al. (2010)

Binary System

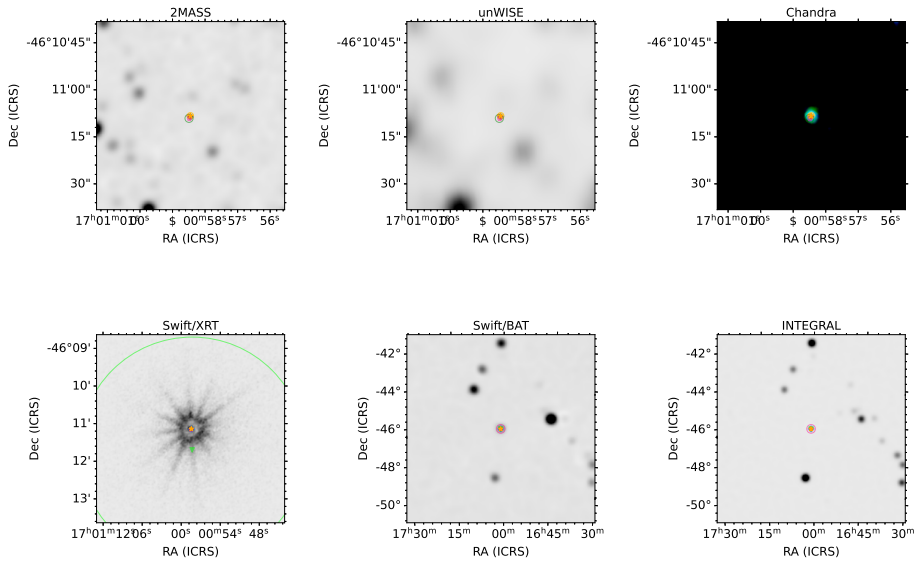
Alternative Name:
X-ray Type: ZS, RP?, XT
Distance-Reference: Lin et al. (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 3.38

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.07 - 57.89
soft X-ray variability: 775.32
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 32.17 - 57.89
hard X-ray variability: 1.8

Optical Counterpart

Gaia DR3 Name:



CXO Gl J170112.5-300622

Coordinates

RA: 17^h01^m12^s.582
DEC: −30°06′22″.201
Position-uncertainty [arcsec]: 3.466×10^{-2}
Galactic-longitude [deg]: 353.58
Galactic-latitude [deg]: 7.32
Coordinate-Reference: Evans et al. (2010)

Binary System

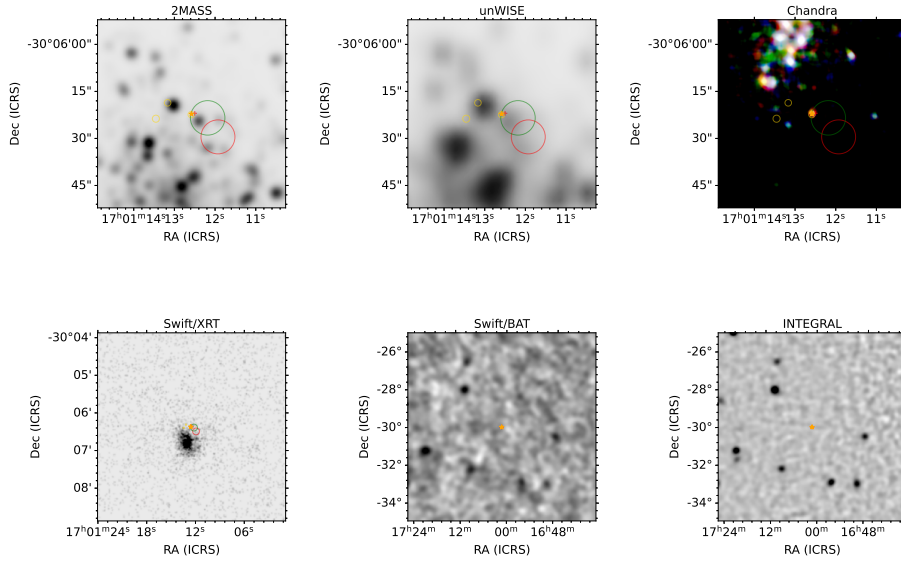
Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 6.4
Distance Range [kpc]: 6.22 – 6.58
Distance-Reference: Li et al. (2023)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 – 0.49
soft X-ray variability: 280.74

Optical Counterpart

Gaia DR3 Name:

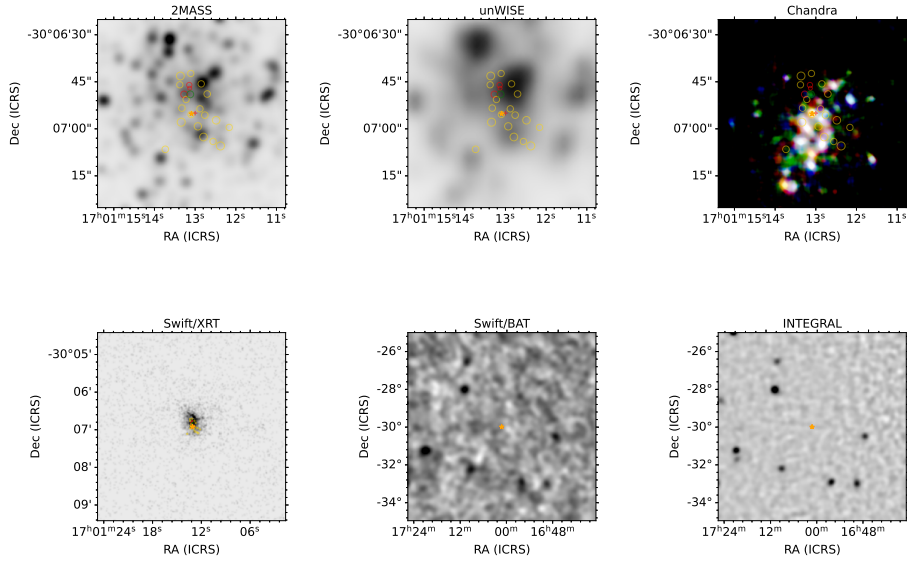


CXOGLb J170113.0-300655*Coordinates*

RA: 17^h01^m13^s.092
DEC: −30°06′55″.195
Position-uncertainty [arcsec]: 1.697×10^{-2}
Galactic-longitude [deg]: 353.57
Galactic-latitude [deg]: 7.32
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 6.4
Distance Range [kpc]: 6.22 – 6.58
Distance-Reference: Li et al. (2023)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

*Optical Counterpart***Gaia DR3 Name:**

CXOGLb J170113.1-300642

Coordinates

RA: 17^h01^m13^s.106
DEC: −30°06′42″.218
Position-uncertainty [arcsec]: 1.769×10^{-2}
Galactic-longitude [deg]: 353.58
Galactic-latitude [deg]: 7.32
Coordinate-Reference: Evans et al. (2010)

Binary System

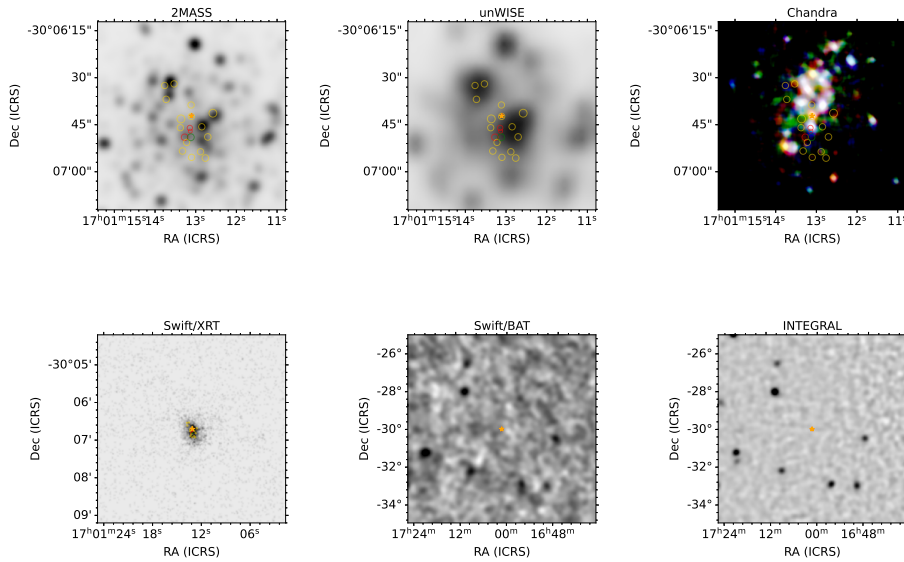
Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 6.4
Distance Range [kpc]: 6.22 – 6.58
Distance-Reference: Li et al. (2023)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 1.32
soft X-ray variability: 632.18

Optical Counterpart

Gaia DR3 Name:



CXOGlb J170113.7-300632*Coordinates*

RA: 17^h01^m13^s.758
DEC: −30°06′32″.393
Position-uncertainty [arcsec] : 1.769×10^{-2}
Galactic-longitude [deg]: 353.58
Galactic-latitude [deg]: 7.32
Coordinate-Reference: Evans et al. (2010)

Binary System

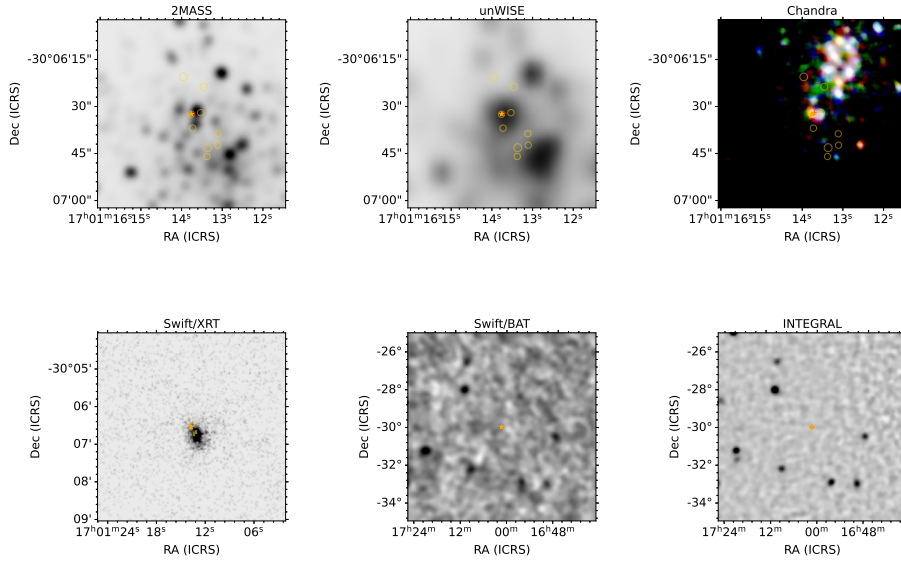
Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 6.4
Distance Range [kpc]: 6.22 – 6.58
Distance-Reference: Li et al. (2023)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 1.32
soft X-ray variability: 632.18

Optical Counterpart

Gaia DR3 Name:



XTE J1701-407

Coordinates

RA: 17^h01^m44^s.327
DEC: −40°51′30″.217
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 345.11
Galactic-latitude [deg]: 0.67
Coordinate-Reference: Evans et al. (2010)

Binary System

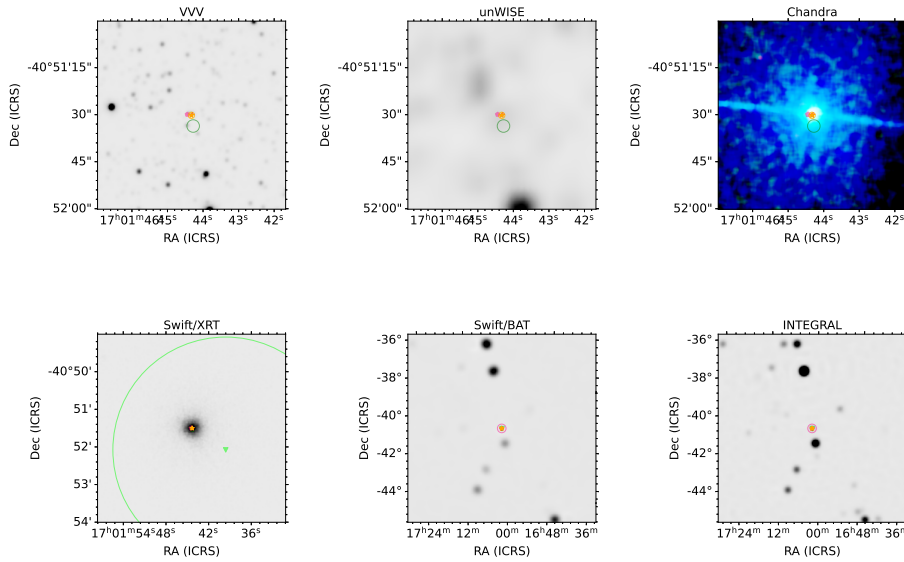
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 5.0
Distance-Reference: Chenevez et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 3.3

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 31.89 - 240.0
hard X-ray variability: 7.53

Optical Counterpart

Gaia DR3 Name:



MXB 1659-29*Coordinates*

RA: $17^{\text{h}}02^{\text{m}}06^{\text{s}}.534$
DEC: $-29^{\circ}56'44''.286$
Position-uncertainty [arcsec] : 3.220×10^{-4}
Galactic-longitude [deg]: 353.83
Galactic-latitude [deg]: 7.27
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

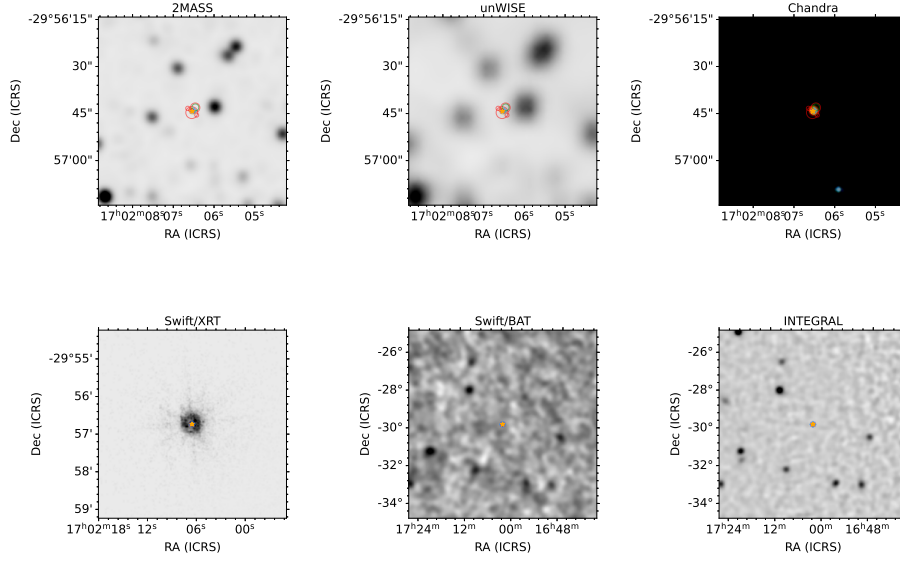
Alternative Name: MXB 1659-29
X-ray Type: AS, BO, XT, EB, XB, DS
Mean Distance [kpc]: 6.96
Distance Range [kpc]: 4.2 – 9.67
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.25

Compact Object

Orbital Period [d]: 0.29625
 Liu et al. (2007)
Pulse Period [s]: 0.00176
 Patruno et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 – 864.36
soft X-ray variability: 535816.98

Optical Counterpart

Gaia DR3 Name: 6029391608332996224
G [mag]: 19.001(0.032)
V [mag]: 18.299999237060547



4U 1658-48

Coordinates

RA: 17^h02^m49^s.381
DEC: -48°47'23".166
Position-uncertainty [arcsec]: 2.082×10^{-4}
Galactic-longitude [deg]: 338.94
Galactic-latitude [deg]: -4.33
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

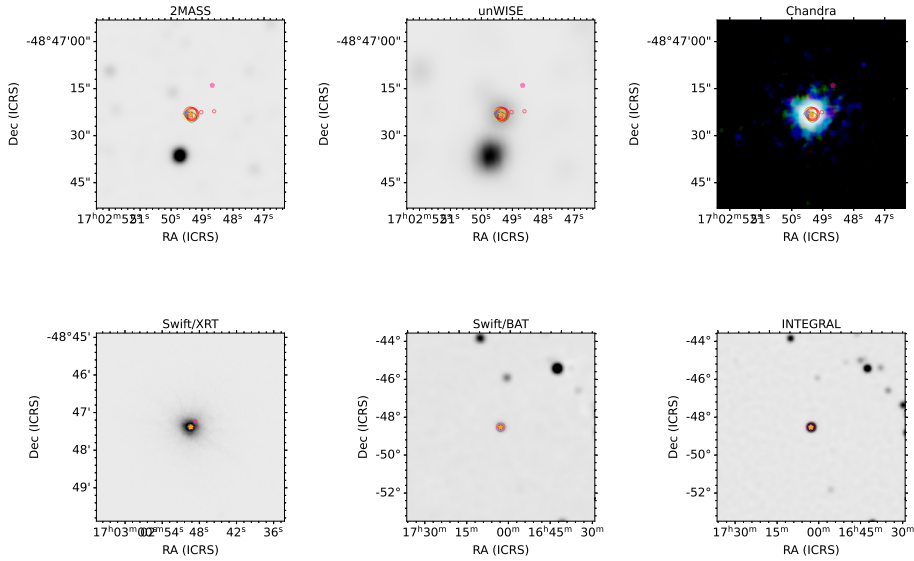
Alternative Name: GX 339-4
X-ray Type: RP, BH, MQ, XT, US
Mean Distance [kpc]: 6.49
Distance Range [kpc]: 3.51 – 10.01
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.48

Compact Object

Orbital Period [d]: 1.7558333333333334
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.32 - 881.99
soft X-ray variability: 2714.83

Optical Counterpart

Gaia DR3 Name: 5938658156448950528
Spectral Type: F8-G2/3
 Ritter & Kolb (2003)
G [mag]: 19.63(0.06)
V [mag]: 15.5
J [mag]: 15.91(0.14)
H [mag]: 15.40(0.15)
K [mag]: 14.97(0.14)
W1 [mag]: 14.56(0.06)
W2 [mag]: 14.14(0.06)



GX 349+2*Coordinates*

RA: 17^h05^m044^s.49
DEC: −36°25′23″.132
Position-uncertainty [arcsec]: 1.310×10^{-4}
Galactic-longitude [deg]: 349.1
Galactic-latitude [deg]: 2.75
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

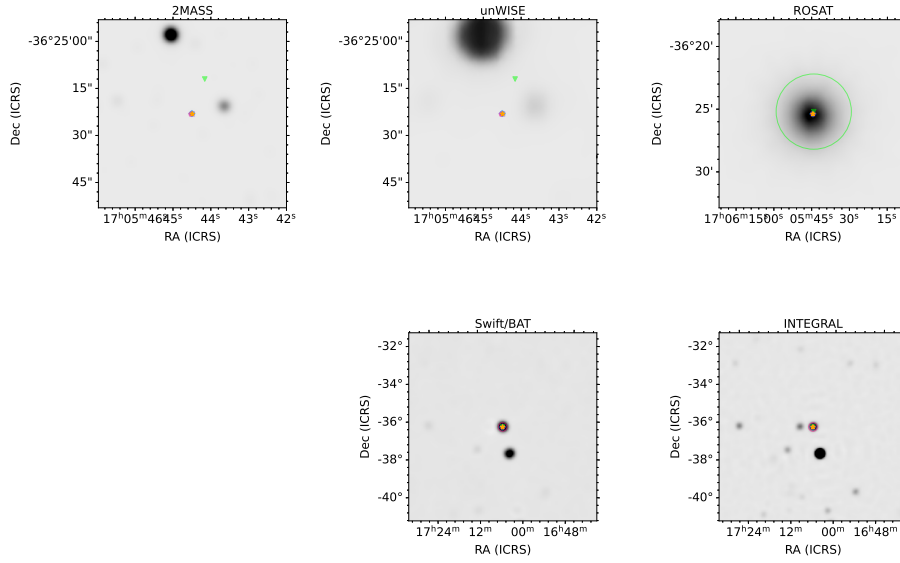
Alternative Name: 3A 1702-363
X-ray Type: ZS, RP
Mean Distance [kpc]: 1.01
Distance Range [kpc]: 0.97 – 1.06
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.54

Compact Object

Orbital Period [d]: 0.9375
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 5976748056765619328
G [mag]: 17.731(0.007)
V [mag]: 18.600000381469727
J [mag]: 15.21(0.05)
H [mag]: 14.78(0.07)
K [mag]: 14.56(0.12)



4U 1702-429

Coordinates

RA: 17^h06^m015^s.34
DEC: −43°02′08″.882
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 343.89
Galactic-latitude [deg]: −1.32
Coordinate-Reference: Evans et al. (2010)

Binary System

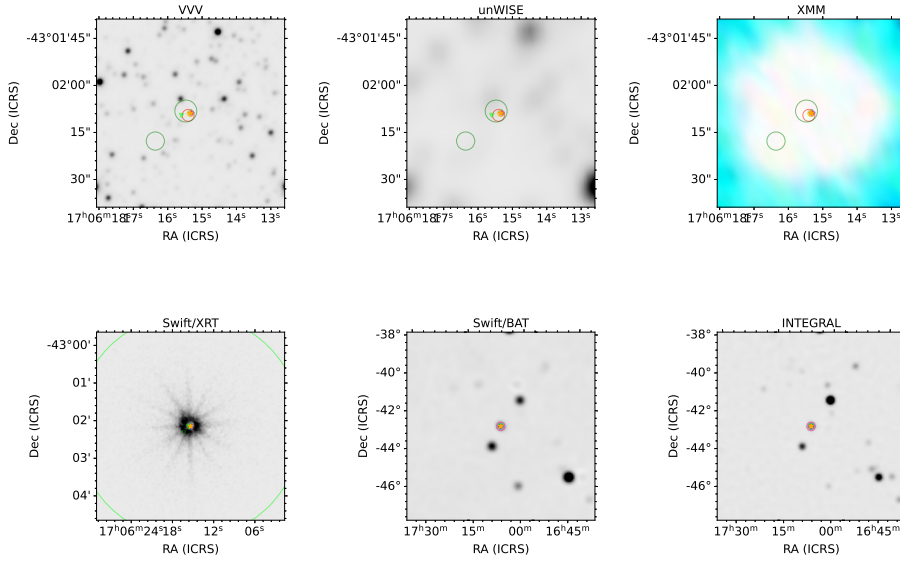
Alternative Name:
X-ray Type: XB, AS
Mean Distance [kpc]: 5.4
Distance Range [kpc]: 4.3 – 7.0
Distance-Reference: Iaria et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 2.42

Compact Object

Pulse Period [s]: 0.00303
Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 127.18 - 1393.5
soft X-ray variability: 10.96
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 163.45 - 1020.0
hard X-ray variability: 6.24

Optical Counterpart

Gaia DR3 Name:



IGR J17062-6143*Coordinates*

RA: 17^h06^m16^s.266
DEC: −61°42′040″.62
Position-uncertainty [arcsec]: 5.020×10^{-4}
Galactic-longitude [deg]: 328.72
Galactic-latitude [deg]: −12.4
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

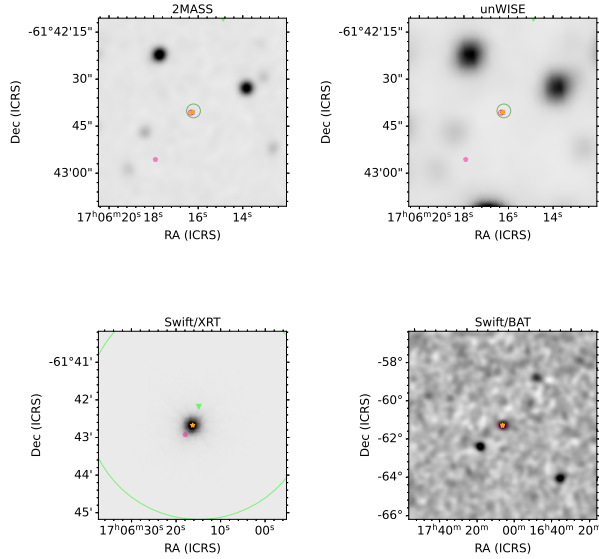
Alternative Name:
X-ray Type: XT, XP, XB
Mean Distance [kpc]: 7.3
Distance Range [kpc]: 6.8 – 7.8
Distance-Reference: Keek et al. (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.41

Compact Object

Orbital Period [d]: 0.026388888888888889
 Strohmayer et al. (2018)
Pulse Period [s]: 0.00611
 Strohmayer & Keek (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 58.25 - 128.5
soft X-ray variability: 2.21
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 20.02 - 128.5
hard X-ray variability: 6.42

Optical Counterpart

Gaia DR3 Name: 5913619493527584768
Spectral Type: WD?
 van den Eijnden et al. (2018)
G [mag]: 19.905(0.007)



4U 1700+24

Coordinates

RA: 17^h06^m34^s.503
DEC: +23°58′018″.55
Position-uncertainty [arcsec]: 4.836×10^{-5}
Galactic-longitude [deg]: 45.15
Galactic-latitude [deg]: 32.99
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

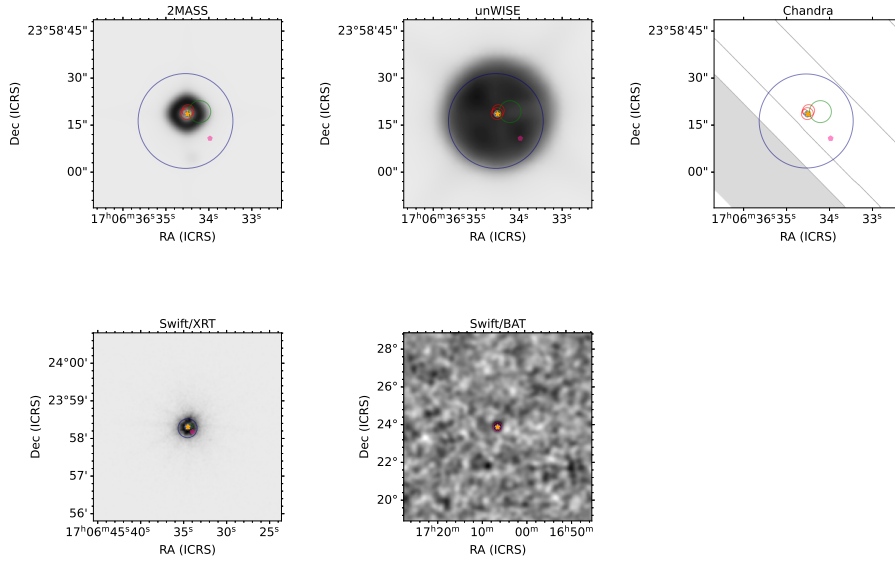
Alternative Name: 2A 1704+241
Mean Distance [kpc]: 0.52
Distance Range [kpc]: 0.51 – 0.56
Distance-Reference: Anders et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.34

Compact Object

Orbital Period [d]: 4391.0
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 32.71 - 738.2
soft X-ray variability: 22.57

Optical Counterpart

Gaia DR3 Name: 4571810378118789760
Spectral Type: M2III
G [mag]: 6.7516(0.0030)
V [mag]: 7.620(0.010)
J [mag]: 4.17(0.20)
H [mag]: 3.32(0.19)
K [mag]: 2.99(0.23)
W1 [mag]: 2.221000(0)
W2 [mag]: 2.8(0.4)



H 1705-25*Coordinates*

RA: 17^h08^m00.14s
DEC: −25°05′30″.296
Position-uncertainty [arcsec]: 1.838×10^{-3}
Galactic-longitude [deg]: 358.59
Galactic-latitude [deg]: 9.06
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

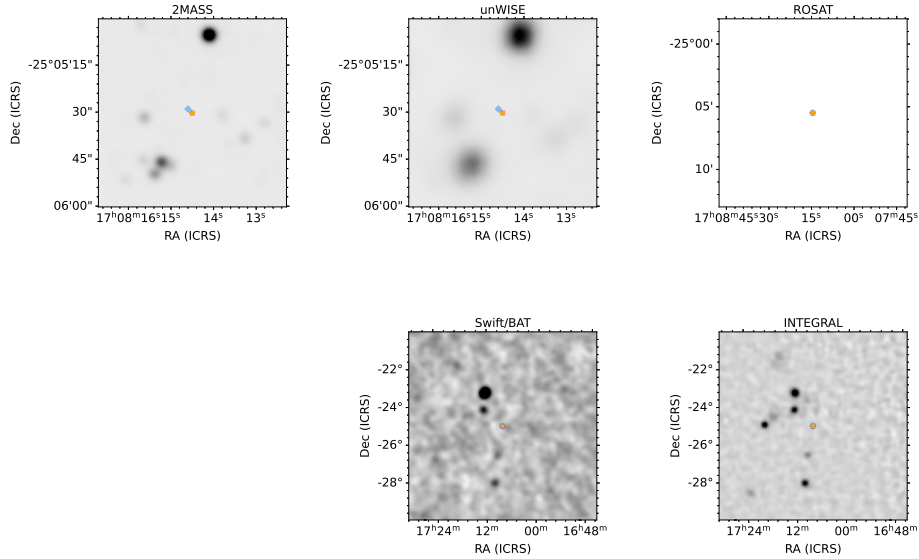
Alternative Name: N Oph 1977
X-ray Type: BH, XT
Mean Distance [kpc]: 8.6
Distance Range [kpc]: 6.6 – 10.6
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 0.22

Compact Object

Orbital Period [d]: 0.5225
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 7670.0
soft X-ray variability: 7446601.94

Optical Counterpart

Gaia DR3 Name: 4112450294268643456
Spectral Type: K3V-K7V
 Yungelson & Lasota (2008a)
G [mag]: 20.763(0.016)
V [mag]: 21.50(0.10)



4U 1705-32

Coordinates

RA: 17^h08^m54^s.267
DEC: −32°18′056″.98
Position-uncertainty [arcsec]: 1.735×10^0
Galactic-longitude [deg]: 352.79
Galactic-latitude [deg]: 4.68
Coordinate-Reference: Evans et al. (2010)

Binary System

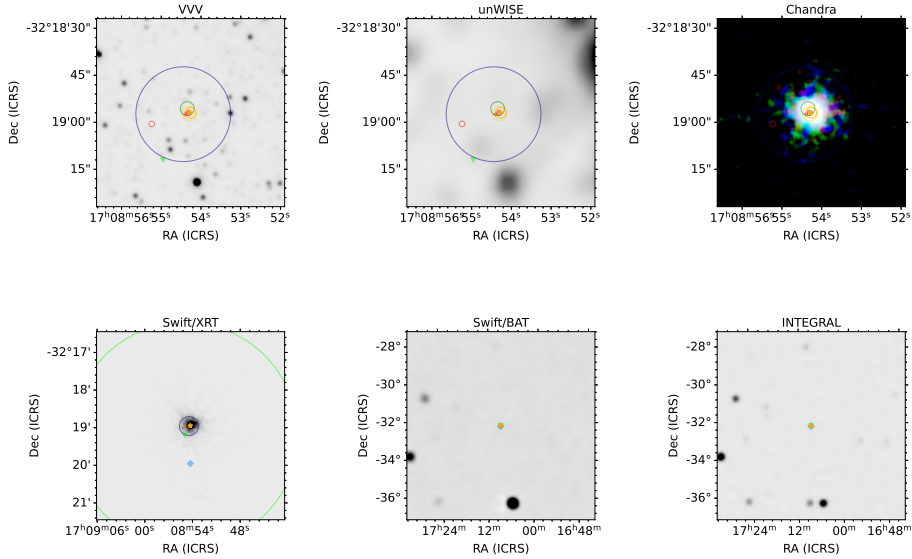
Alternative Name: 1RXS J170854.4-321857
X-ray Type: XB
Mean Distance [kpc]: 13.0
Distance Range [kpc]: 11.0 – 15.0
Distance-Reference: in't Zand et al. (2005)
Hydrogen Column density [10^{21}cm^{-2}]: 0.51

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.48 - 720.0
soft X-ray variability: 486.16
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 19.31 - 41.39
hard X-ray variability: 2.14

Optical Counterpart

Gaia DR3 Name:



4U 1705-44*Coordinates*

RA: 17^h08^m05^s.48
DEC: -44°06'00.7''4
Position-uncertainty [arcsec] : 6.000×10^{-1}
Galactic-longitude [deg]: 343.32
Galactic-latitude [deg]: -2.34
Coordinate-Reference: Homan et al. (2009)

Binary System

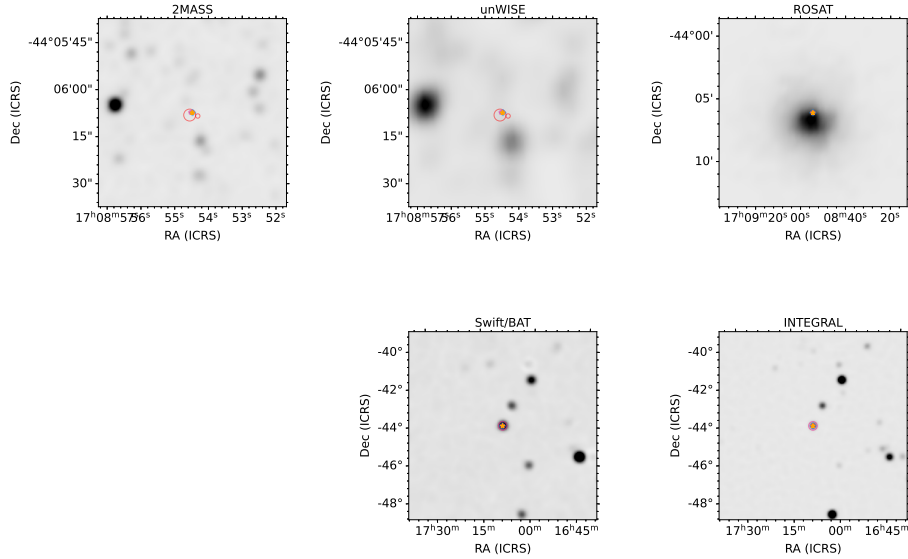
Alternative Name: 1705-4402
X-ray Type: XB, AS, RP
Mean Distance [kpc]: 7.6
Distance Range [kpc]: 7.3 – 7.9
Distance-Reference: Galloway et al. (2008a)
Hydrogen Column density [10^{21}cm^{-2}]: 1.38

Compact Object

Orbital Period [d]: 0.4166666666666667
Homan et al. (2009)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 484.88 - 738.0
soft X-ray variability: 1.52

Optical Counterpart

Gaia DR3 Name:
J [mag]: 16.830(0.030)
H [mag]: 17.420(0.030)
K [mag]: 18.480(0.030)



IGR J17091-3624

Coordinates

RA: 17^h09^m007^s.61
DEC: −36°24′25″.508
Position-uncertainty [arcsec] : 3.759×10^{-3}
Galactic-longitude [deg]: 349.52
Galactic-latitude [deg]: 2.21
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

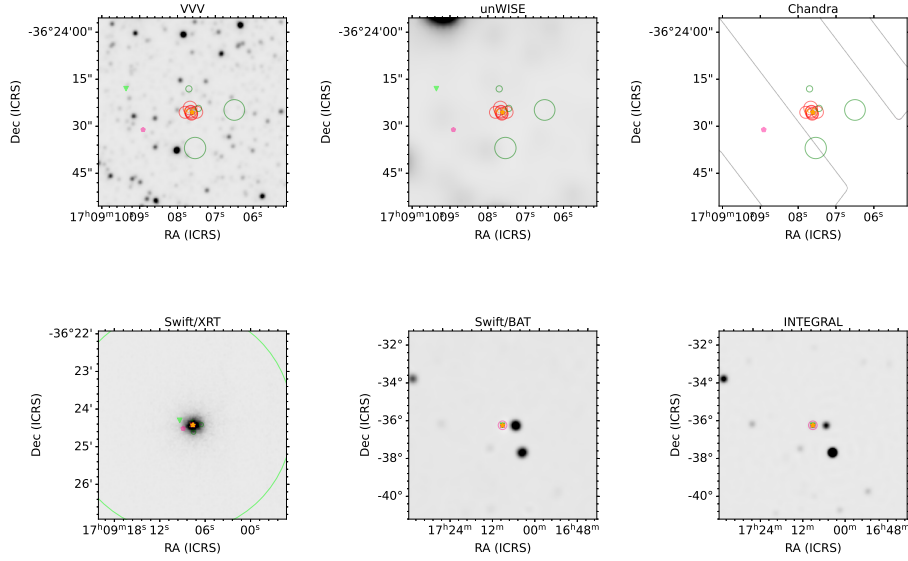
Alternative Name:
X-ray Type: XT, BH?, MQ
Mean Distance [kpc]: 11.0
Distance Range [kpc]: 10.4 – 14.6
Distance-Reference: Iyer et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 1.69

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.07 - 1079.65
soft X-ray variability: 15338.64
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 89.52 - 1728.0
hard X-ray variability: 19.3

Optical Counterpart

Gaia DR3 Name: 5976921951382731520
G [mag]: 20.082(0.032)
J [mag]: 18.19(0.11)
H [mag]: 17.12(0.12)
K [mag]: 16.98(0.04)
W1 [mag]: 14.803(0.017)
W2 [mag]: 15.54(0.08)



XTE J1709-267*Coordinates*

RA: 17^h09^m00^s.4
DEC: −26°39′00″.9
Galactic-longitude [deg]: 357.47
Galactic-latitude [deg]: 7.91
Coordinate-Reference: Liu et al. (2007)

Binary System

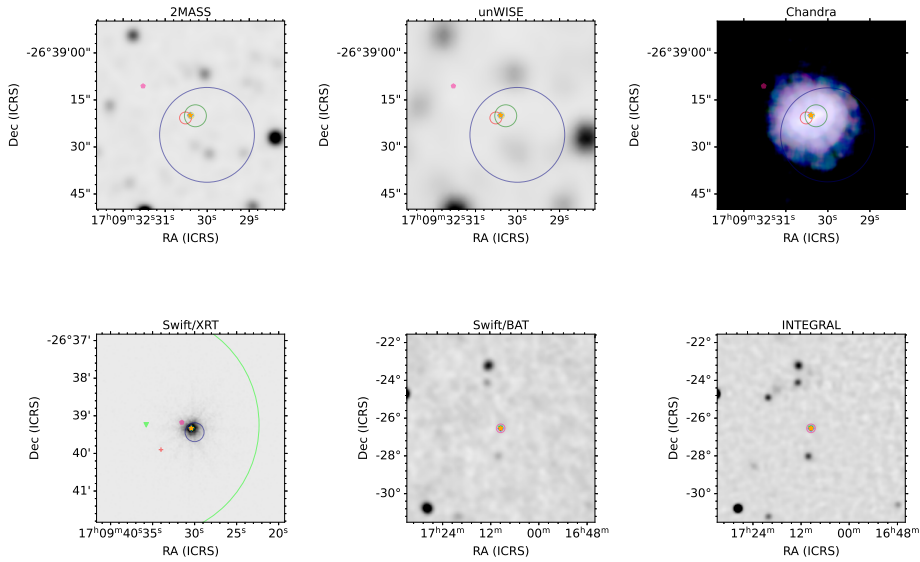
Alternative Name: RX J17095-266
X-ray Type: XB, XT
Mean Distance [kpc]: 11.0
Distance Range [kpc]: 9.0 – 14.0
Distance-Reference: Galloway et al. (2008a)
Hydrogen Column density [10^{21}cm^{-2}]: 0.44

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.06 - 2400.0
soft X-ray variability: 37940.09
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 9.87 - 52.43
hard X-ray variability: 5.31

Optical Counterpart

Gaia DR3 Name:



IGR J17098-3628

Coordinates

RA: 17^h09^m46^s.125
DEC: −36°27′57″.344
Position-uncertainty [arcsec]: 2.261×10^{-4}
Galactic-longitude [deg]: 349.55
Galactic-latitude [deg]: 2.07
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

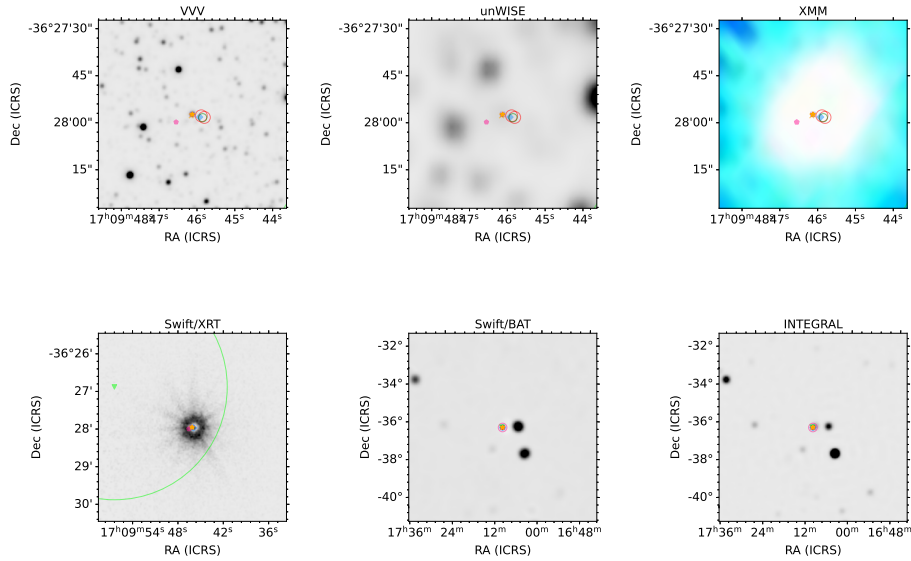
Alternative Name:
X-ray Type: BH?, RP?, XT
Mean Distance [kpc]: 10.5
Distance Range [kpc]: 10.0 – 11.0
Distance-Reference: Grebenev et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 0.8

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 54.89 - 1300.0
soft X-ray variability: 23.68
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 49.28 - 928.8
hard X-ray variability: 18.85

Optical Counterpart

Gaia DR3 Name: 5976897036239826432
G [mag]: 18.402(0.004)
V [mag]: 20.8
J [mag]: 14.69(0.06)
H [mag]: 13.67(0.05)
K [mag]: 13.37(0.05)
W1 [mag]: 12.882(0.011)
W2 [mag]: 13.096(0.009)



XTE J1710-281*Coordinates*

RA: 17^h10^m12^s.563
DEC: −28°07′50″.871
Position-uncertainty [arcsec]: 1.006×10^0
Galactic-longitude [deg]: 356.36
Galactic-latitude [deg]: 6.92
Coordinate-Reference: Evans et al. (2010)

Binary System

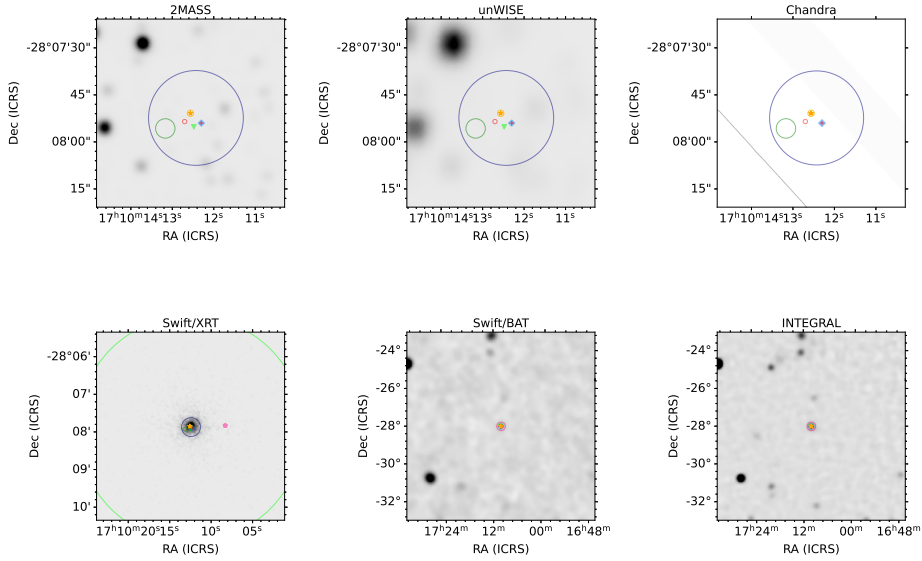
Alternative Name: J1710-2807
X-ray Type: EB, XB, XT
Mean Distance [kpc]: 15.0
Distance Range [kpc]: 10.9 – 17.6
Distance-Reference: Galloway et al. (2008a)
Hydrogen Column density [10^{21}cm^{-2}]: 0.39

Compact Object

Orbital Period [d]: 0.13666666666666666
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.99 - 89.02
soft X-ray variability: 14.87
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 31.32 - 89.02
hard X-ray variability: 2.84

Optical Counterpart

Gaia DR3 Name:



SAX J1711.6-3808

Coordinates

RA: 17^h11^m37^s.173
DEC: −38°07′006″.21
Position-uncertainty [arcsec] : 7.947×10^{-3}
Galactic-longitude [deg]: 348.44
Galactic-latitude [deg]: 0.8
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

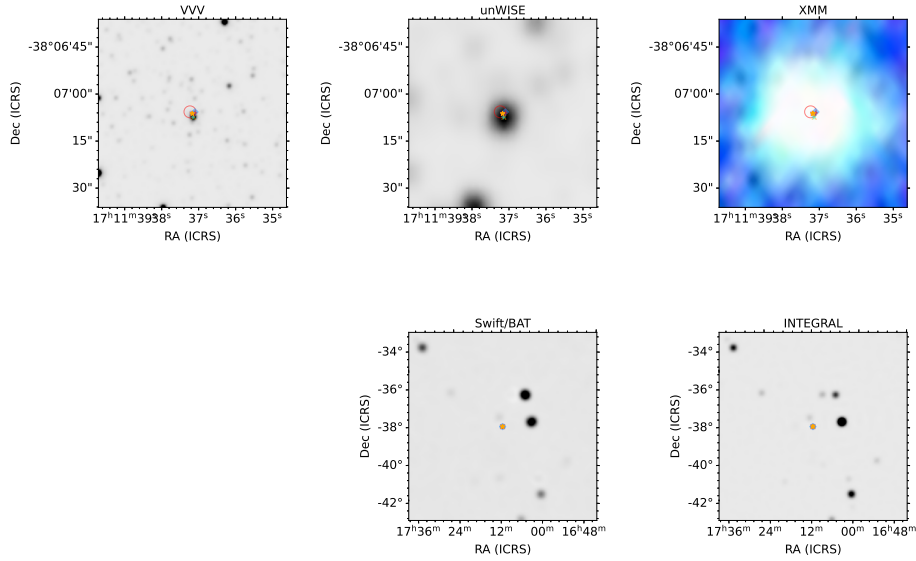
Alternative Name:
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.5
Distance-Reference: in't Zand et al. (2002a)
Hydrogen Column density [10^{21}cm^{-2}]: 2.44

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 505.43 - 1920.0
soft X-ray variability: 3.8

Optical Counterpart

Gaia DR3 Name: 5973177495780065664
G [mag]: 20.968(0.016)
J [mag]: 12.460(0.033)
H [mag]: 10.427(0.028)
K [mag]: 9.433(0.025)
W1 [mag]: 8.447(0.007)
W2 [mag]: 8.747(0.007)



4U 1708-40*Coordinates*

RA: 17^h12^m023^s.86
DEC: -40°50'0034".2
Position-uncertainty [arcsec] : 3.000×10^{-1}
Galactic-longitude [deg]: 346.33
Galactic-latitude [deg]: -0.93
Coordinate-Reference: Revnivtsev et al. (2013)

Binary System

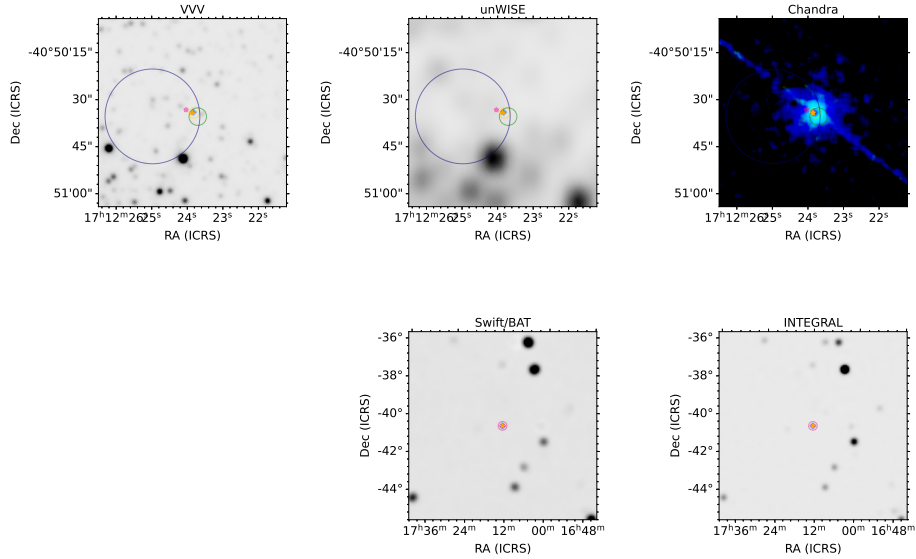
Alternative Name:
X-ray Type: XB
Mean Distance [kpc]: 8.0
Distance-Reference: Migliari et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 2.9

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 120.0 - 570.0
soft X-ray variability: 4.75

Optical Counterpart

Gaia DR3 Name:
J [mag]: 18.84(0.18)
H [mag]: 17.29(0.09)
K [mag]: 16.67(0.09)



SAX J1712.6-3739

Coordinates

RA: $17^{\text{h}}12^{\text{m}}36^{\text{s}}.773$
DEC: $-37^{\circ}38'41''.085$
Position-uncertainty [arcsec]: 1.200×10^0
Galactic-longitude [deg]: 348.94
Galactic-latitude [deg]: 0.92
Coordinate-Reference: Evans et al. (2010)

Binary System

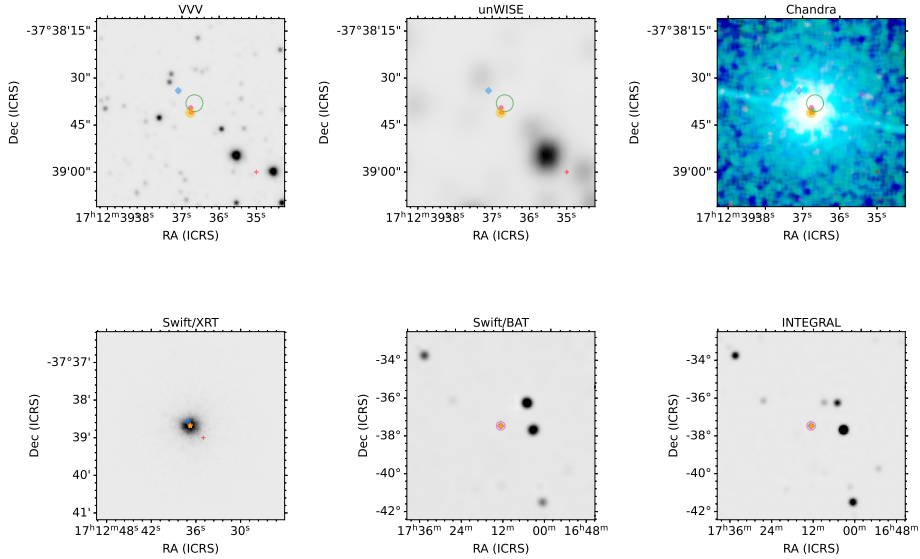
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 5.0
Distance Range [kpc]: 4.6 – 5.6
Distance-Reference: Lin & Yu (2020)
Hydrogen Column density [10^{21}cm^{-2}]: 1.34

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 8.1 - 1152.0
soft X-ray variability: 142.21
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 9.86 - 20280.0
hard X-ray variability: 2056.8

Optical Counterpart

Gaia DR3 Name:
V [mag]: 24.00(0.07)



TYC 6824-713-1*Coordinates*

RA: 17^h14^m11^s.526
DEC: −29°31′59″.289
Position-uncertainty [arcsec]: 1.836×10^{-5}
Galactic-longitude [deg]: 355.72
Galactic-latitude [deg]: 5.4
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

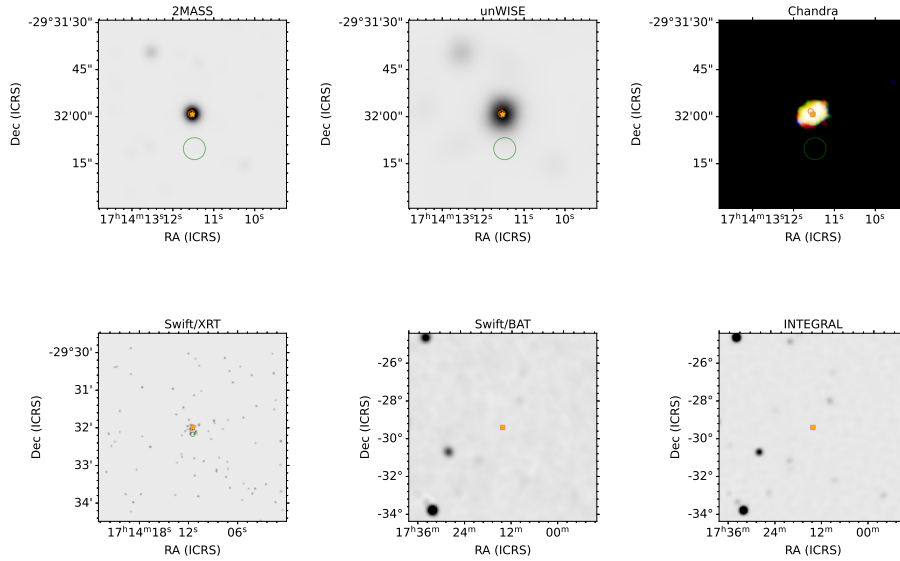
Alternative Name:
X-ray Type: GC?, QNS?
Mean Distance [kpc]: 0.68
Distance Range [kpc]: 0.66 – 0.69
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.19

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.14 - 0.48
soft X-ray variability: 3.58

Optical Counterpart

Gaia DR3 Name: 4107308973568118784
G [mag]: 10.3877(0.0028)
V [mag]: 10.91(0.09)
J [mag]: 8.796(0.023)
H [mag]: 8.361(0.018)
K [mag]: 8.213(0.020)
W1 [mag]: 8.043(0.010)
W2 [mag]: 8.159(0.009)



2S 1711-339

Coordinates

RA: 17^h14^m019^s.74
DEC: −34°02′46″.805
Position-uncertainty [arcsec] : 1.009×10^0
Galactic-longitude [deg]: 352.06
Galactic-latitude [deg]: 2.75
Coordinate-Reference: Evans et al. (2010)

Binary System

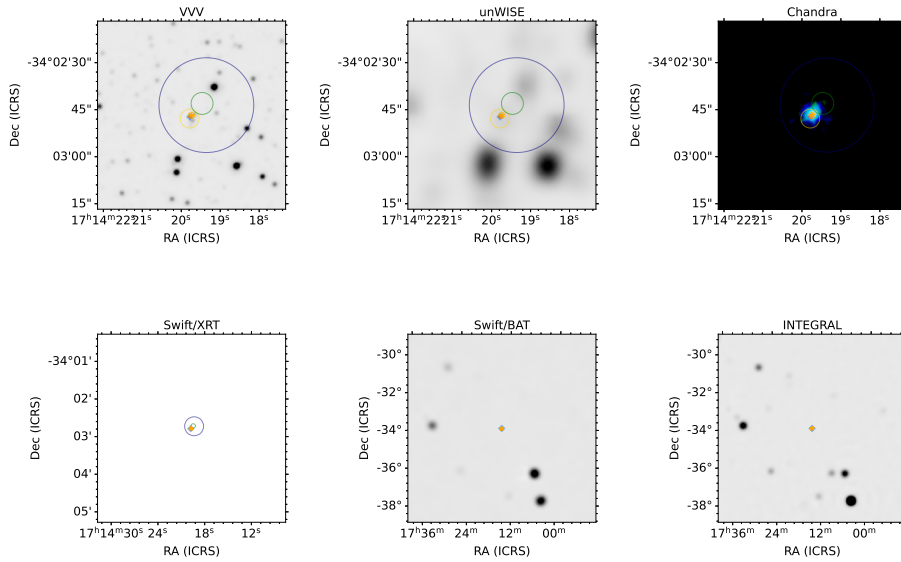
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 5.7
Distance Range [kpc]: 4.9 – 6.4
Distance-Reference: Galloway et al. (2008a)
Hydrogen Column density [10^{21}cm^{-2}]: 1.74

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 19.0 - 1272.0
soft X-ray variability: 66.95

Optical Counterpart

Gaia DR3 Name:



2MASS J17142095-2929163*Coordinates*

RA: 17^h14^m20^s.956
DEC: −29°29′16″.405
Position-uncertainty [arcsec] : 2.838×10^{-5}
Galactic-longitude [deg]: 355.78
Galactic-latitude [deg]: 5.39
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

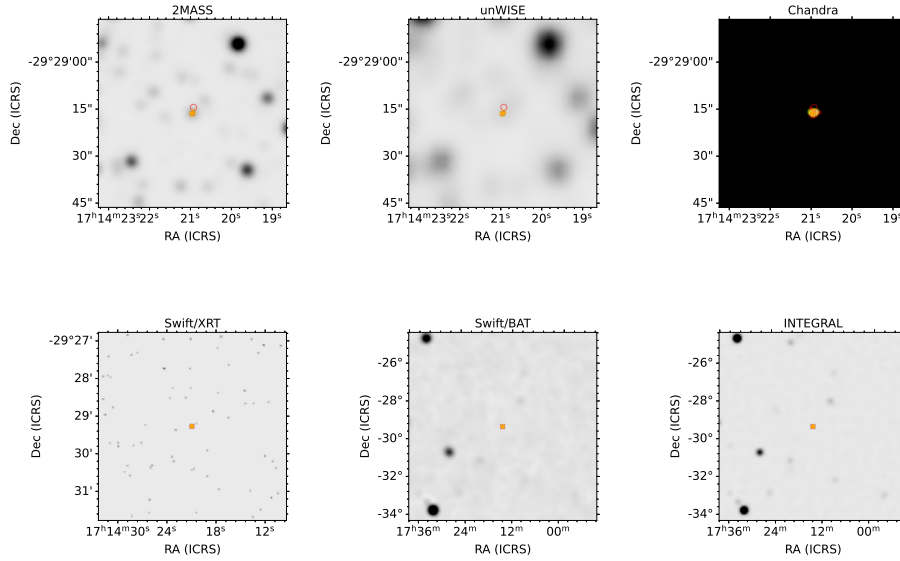
Alternative Name:
X-ray Type: GC?, QNS?
Mean Distance [kpc]: 0.69
Distance Range [kpc]: 0.66 – 0.71
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.22

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.02 - 0.02
soft X-ray variability: 1.28

Optical Counterpart

Gaia DR3 Name: 4107315093951814400
G [mag]: 14.4534(0.0031)
J [mag]: 13.063(0.029)
H [mag]: 12.645(0.033)
K [mag]: 12.510(0.035)
W1 [mag]: 12.526(0.025)
W2 [mag]: 12.584(0.021)



XMMU J171433.0-292747

Coordinates

RA: 17^h14^m03^s.93
DEC: −29°27′00.48″.0
Position-uncertainty [arcsec] : 6.000×10^{-1}
Galactic-longitude [deg]: 355.83
Galactic-latitude [deg]: 5.37
Coordinate-Reference: Guillot et al. (2009)

Binary System

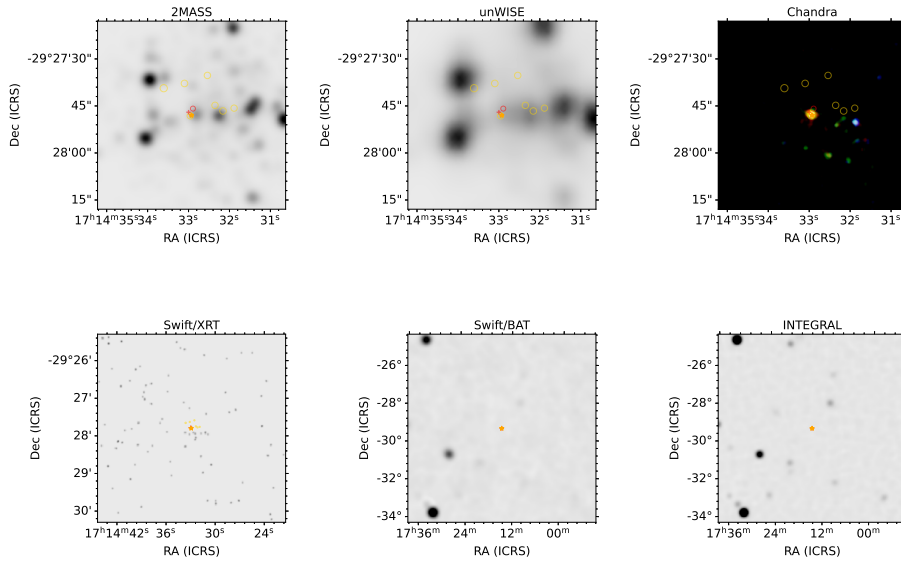
Alternative Name: CXOU J171432.9-292748
X-ray Type: GC, QNS
Mean Distance [kpc]: 6.15
Distance Range [kpc]: 6.01 – 6.3
Distance-Reference: Baumgardt & Vasiliev (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.27

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 0.15
soft X-ray variability: 130.23

Optical Counterpart

Gaia DR3 Name:



IGR J17177-3656*Coordinates*

RA: 17^h17^m042^s.62
DEC: −36°56′0004″.5
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 350.11
Galactic-latitude [deg]: 0.51
Coordinate-Reference: Paizis et al. (2011)

Binary System

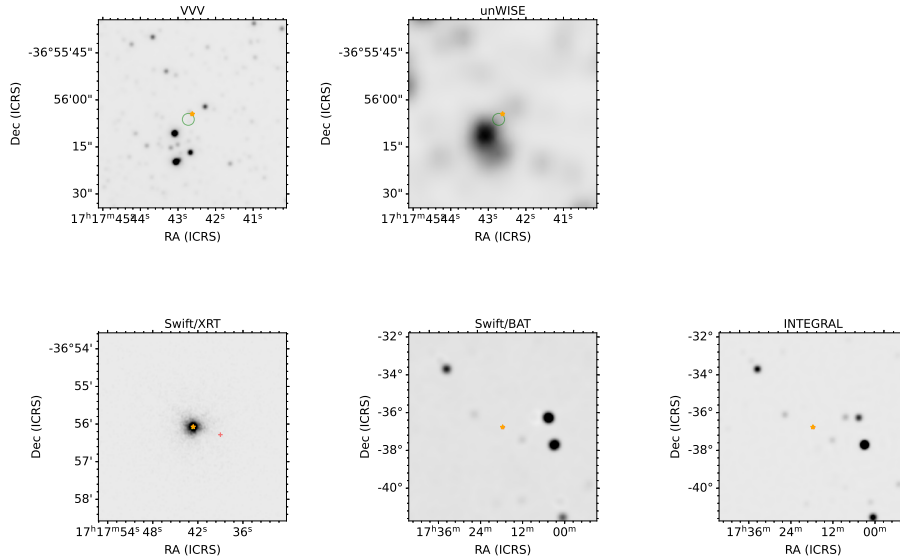
Alternative Name:
X-ray Type: XT, BH?, MQ?
Mean Distance [kpc]: 23.0
Distance Range [kpc]: 13.0 – 25.0
Distance-Reference: Ma (2012)
Hydrogen Column density [10^{21}cm^{-2}]: 3.9

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.5 – 62.0
soft X-ray variability: 41.33

Optical Counterpart

Gaia DR3 Name:
K [mag]: 17.5



1RXS J171824.2-402934

Coordinates

RA: 17^h18^m024^s.15
DEC: -40°29'33".162
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 347.28
Galactic-latitude [deg]: -1.65
Coordinate-Reference: Evans et al. (2010)

Binary System

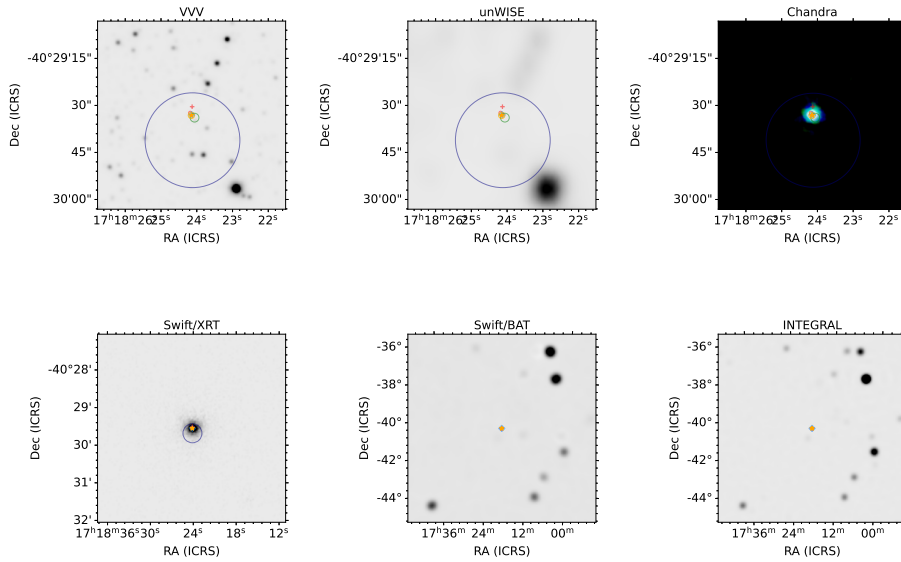
Alternative Name: RX J1718.4-4029
X-ray Type: XB
Distance Range [kpc]: 6.0 – 9.0
Distance-Reference: in 't Zand et al. (2005)
Hydrogen Column density [10^{21}cm^{-2}]: 1.3

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.38 - 5.87
soft X-ray variability: 4.25

Optical Counterpart

Gaia DR3 Name:
V [mag]: 24.0



XB 1715-321*Coordinates*

RA: 17^h18^m47^s.494
DEC: −32°10′32″.196
Position-uncertainty [arcsec] : 1.153×10^0
Galactic-longitude [deg]: 354.13
Galactic-latitude [deg]: 3.07
Coordinate-Reference: Evans et al. (2010)

Binary System

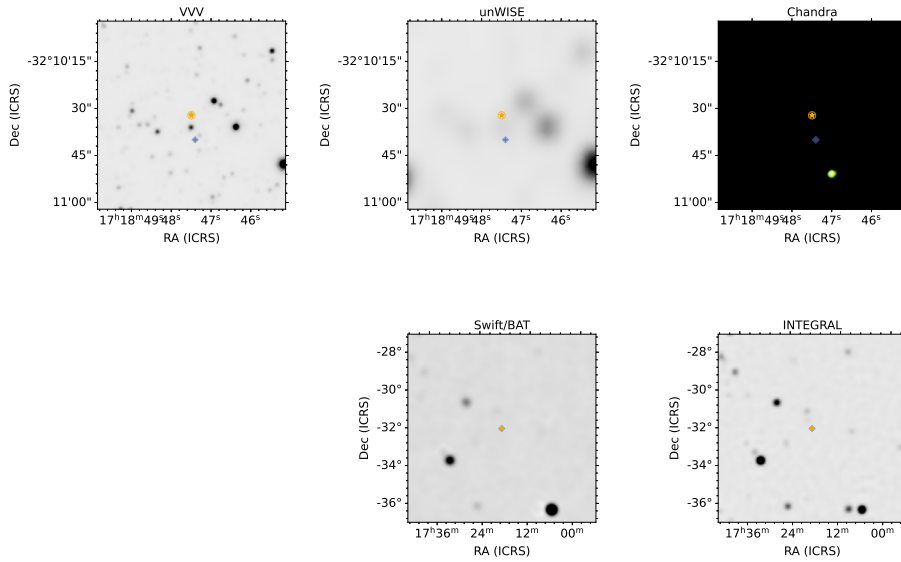
Alternative Name:
X-ray Type: XB
Mean Distance [kpc]: 6.0
Distance Range [kpc]: 5.1 – 6.9
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 0.2

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.06 - 6700.0
soft X-ray variability: 119642.86

Optical Counterpart

Gaia DR3 Name:



XMMSL1 J171900.4-353217

Coordinates

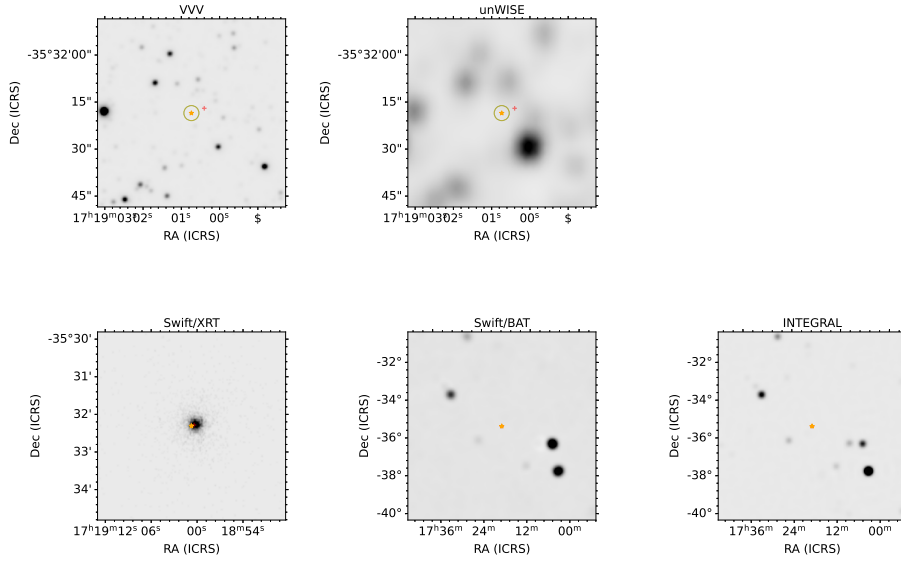
RA: 17^h19^m00^s.737
DEC: −35°32′18″.528
Position-uncertainty [arcsec] : 2.400×10^0
Galactic-longitude [deg]: 351.4
Galactic-latitude [deg]: 1.1
Coordinate-Reference: Evans et al. (2019)

Binary System

Alternative Name:
X-ray Type: XT

Optical Counterpart

Gaia DR3 Name:



IGR J17191-2821

Coordinates

RA: $17^{\text{h}}19^{\text{m}}014^{\text{s}}.93$
DEC: $-28^{\circ}18'0003''6$
Position-uncertainty [arcsec] : 3.300×10^0
Galactic-longitude [deg]: 357.37
Galactic-latitude [deg]: 5.2
Coordinate-Reference: Evans et al. (2019)

Binary System

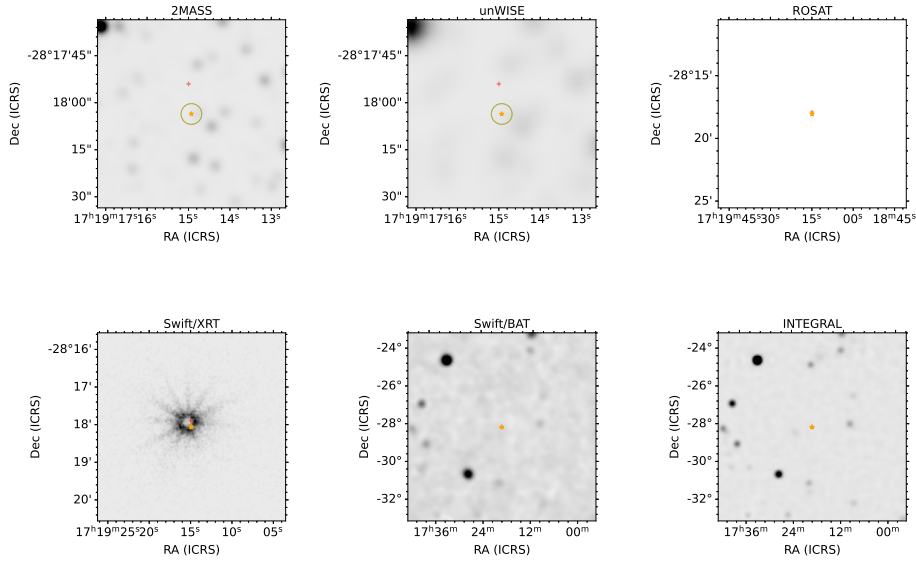
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 8.6
Distance-Reference: Altamirano et al. (2010a)
Hydrogen Column density [10^{21}cm^{-2}]: 0.34

Compact Object

Pulse Period [s]: 0.003389830508474576
 Altamirano et al. (2010a)

Optical Counterpart

Gaia DR3 Name:



XTE J1719-291

Coordinates

RA: $17^{\text{h}}19^{\text{m}}17^{\text{s}}.175$
DEC: $-29^{\circ}04'09''.878$
Position-uncertainty [arcsec] : 1.006×10^0
Galactic-longitude [deg]: 356.75
Galactic-latitude [deg]: 4.75
Coordinate-Reference: Evans et al. (2010)

Binary System

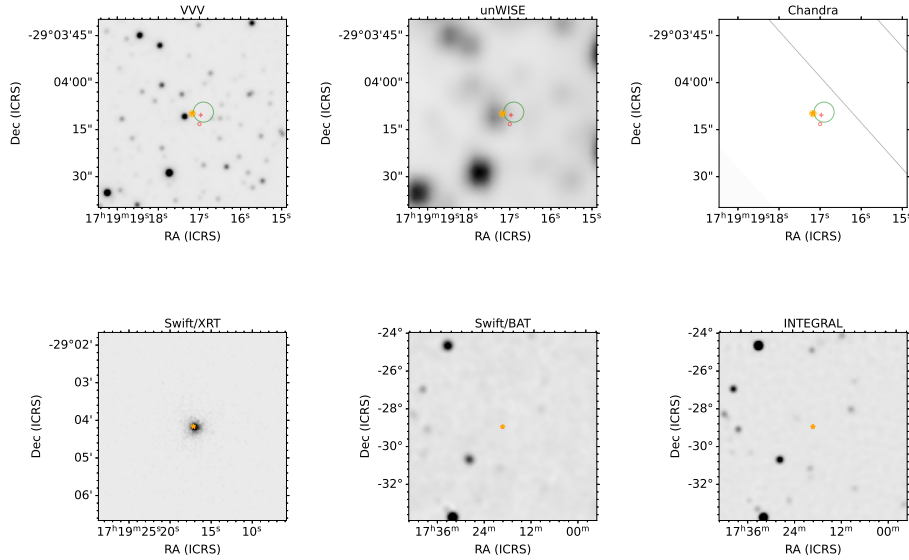
Alternative Name:
X-ray Type: XT
Hydrogen Column density [10^{21}cm^{-2}]: 0.84

Compact Object

soft-band flux [$10^{-12}\text{erg/cm}^2/\text{s}$]: 1.69 - 10.76
soft X-ray variability: 6.36

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K0V
 Greiner et al. (2008)



GRO J1719-24*Coordinates*

RA: 17^h19^m03^s.92
DEC: −25°01′04″.122
Position-uncertainty [arcsec]: 5.823×10^{-2}
Galactic-longitude [deg]: 0.14
Galactic-latitude [deg]: 6.99
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

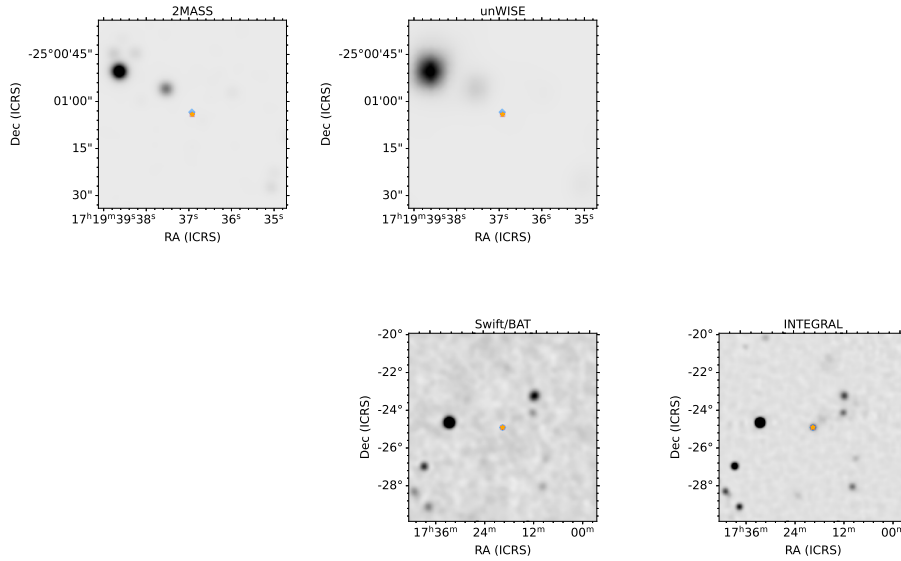
Alternative Name: XN Oph 1993
X-ray Type: BH?, PSH?, XT, RP
Mean Distance [kpc]: 4.0
Distance Range [kpc]: 2.0 – 17.0
Distance-Reference: Saikia et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.6

Compact Object

Orbital Period [d]: 0.6127
 Masetti et al. (1996)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 29.2 - 10000.0
soft X-ray variability: 342.47

Optical Counterpart

Gaia DR3 Name: 4110788141995042048
Spectral Type: M0-5/5
 Ritter & Kolb (2003)
G [mag]: 16.523(0.019)
V [mag]: 16.649999618530273
J [mag]: 14.18(0.22)
H [mag]: 13.81(0.14)
K [mag]: 13.84(0.29)



SAX J1719.6-4254

Coordinates

RA: 17^h19^m038^s.23

DEC: -42°53'0048''0

Position-uncertainty [arcsec] : 1.260×10^2

Galactic-longitude [deg]: 345.44

Galactic-latitude [deg]: -3.22

Coordinate-Reference: Heise et al. (1999)

Binary System

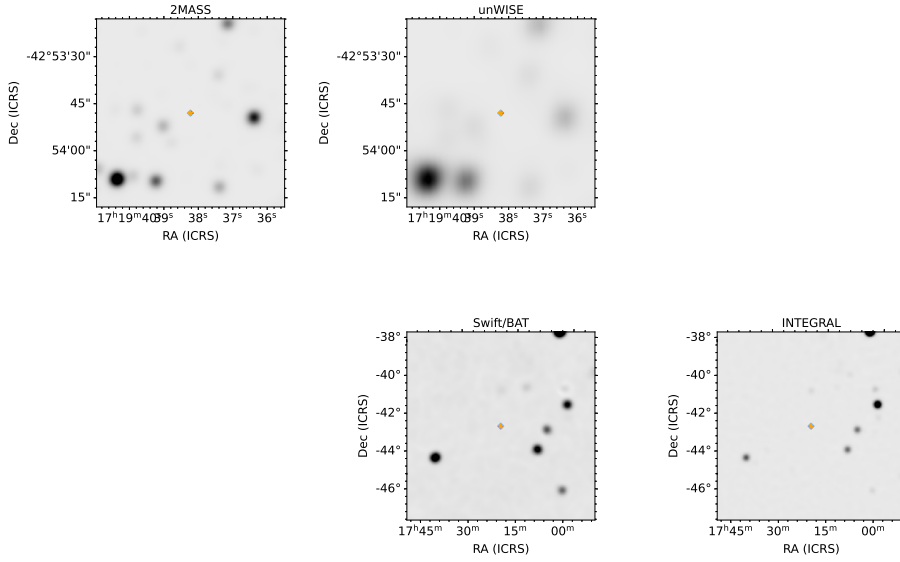
Alternative Name:

X-ray Type: XT

Hydrogen Column density [10^{21}cm^{-2}]: 0.45

Optical Counterpart

Gaia DR3 Name:



IGR J17197-3010*Coordinates*

RA: 17^h19^m00.43^s0
DEC: −30°10′00.48″0
Galactic-longitude [deg]: 355.88
Galactic-latitude [deg]: 4.04
Coordinate-Reference: Krivonos et al. (2010)

Binary System

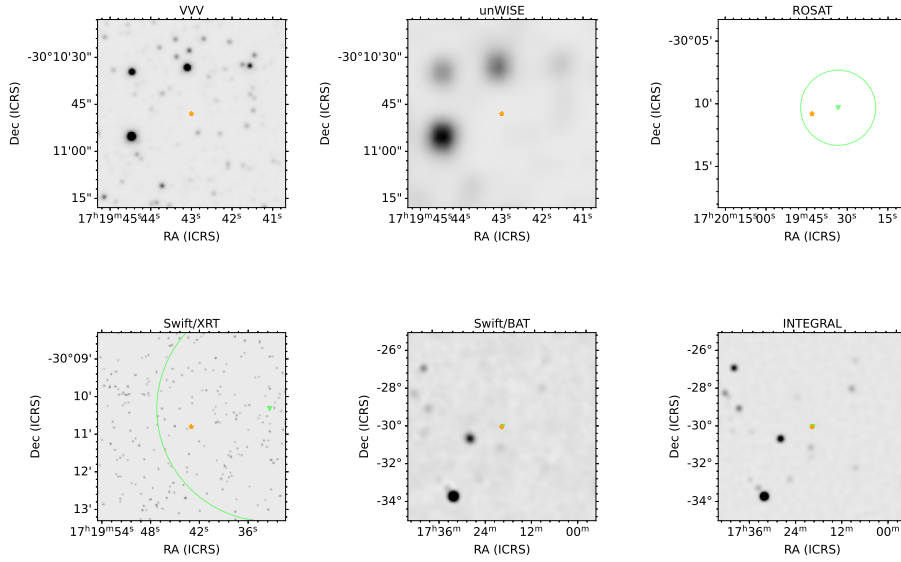
Alternative Name:

Compact Object

hard-band flux [10^{-12} erg/cm²/s]: 4.0
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:



XTE J1720-318

Coordinates

RA: 17^h19^m58^s.984
DEC: −31°45′000″.86
Position-uncertainty [arcsec]: 1.900×10^0
Galactic-longitude [deg]: 354.62
Galactic-latitude [deg]: 3.1
Coordinate-Reference: Webb et al. (2020)

Binary System

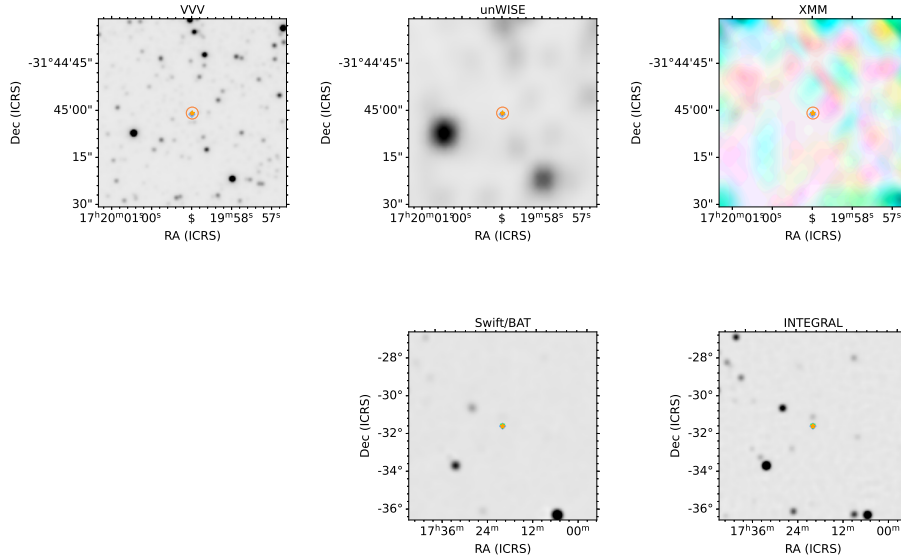
Alternative Name:
X-ray Type: BH?, XT, RP
Mean Distance [kpc]: 6.5
Distance Range [kpc]: 3.0 – 10.0
Distance-Reference: Chaty & Bessolaz (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 1.3

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1600.0 - 10320.0
soft X-ray variability: 6.45
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.56 - 720.0
hard X-ray variability: 1278.86

Optical Counterpart

Gaia DR3 Name:
V [mag]: 16.7
J [mag]: 17.66(0.05)
H [mag]: 16.99(0.07)
K [mag]: 16.34(0.05)



PSR J1723-2837*Coordinates*

RA: 17^h23^m023^s.18
DEC: −28°37′57″.595
Position-uncertainty [arcsec]: 4.359×10^{-5}
Galactic-longitude [deg]: 357.62
Galactic-latitude [deg]: 4.26
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

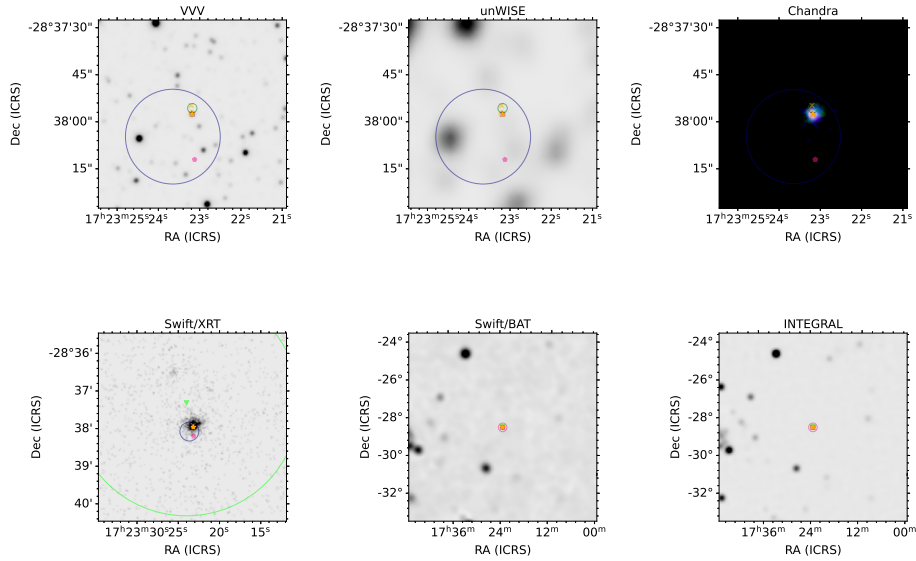
Alternative Name:
X-ray Type: EB, XP
Mean Distance [kpc]: 0.81
Distance Range [kpc]: 0.78 – 0.84
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

Compact Object

Orbital Period [d]: 0.6166666666666667
 Kong et al. (2017)
Pulse Period [s]: 0.00186219739292365
 Manchester et al. (2005)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.02 - 2.29
soft X-ray variability: 2.24
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.43
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 4059795674516044800
Spectral Type: G
 Crawford et al. (2013)
G [mag]: 15.541(0.005)
V [mag]: 15.770(0.010)
J [mag]: 13.65(0.05)
H [mag]: 13.214(0.022)
K [mag]: 13.068(0.025)
W1 [mag]: 13.556(0.014)
W2 [mag]: 13.643(0.017)



XTE J1723-376

Coordinates

RA: $17^{\text{h}}23^{\text{m}}00.38^{\text{s}}.7$
DEC: $-37^{\circ}39'00.42''.0$
Position-uncertainty [arcsec]: 3.000×10^1
Galactic-longitude [deg]: 350.18
Galactic-latitude [deg]: -0.87
Coordinate-Reference: Richards et al. (1999)

Binary System

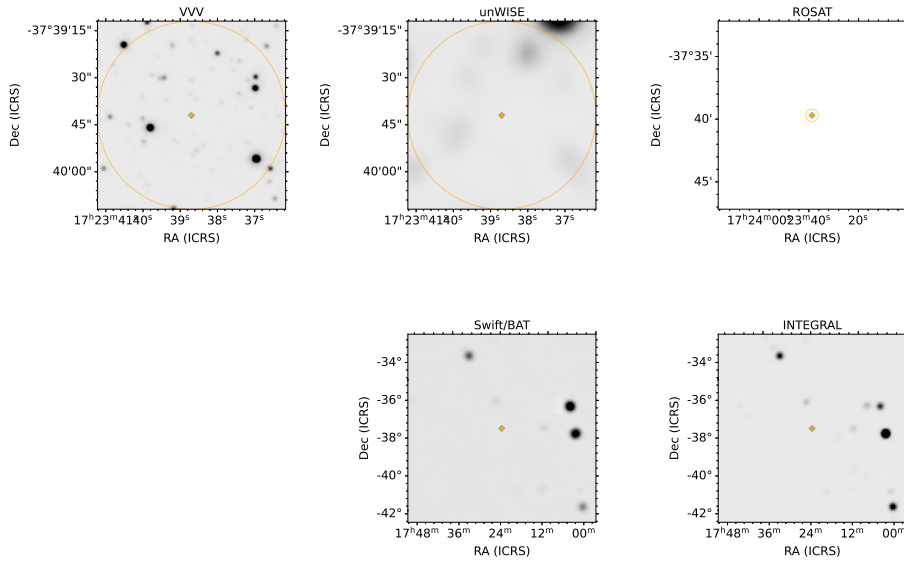
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 10.0
Distance Range [kpc]: 3.7 – 13.0
Distance-Reference: Galloway et al. (2008a)
Hydrogen Column density [10^{21}cm^{-2}]: 4.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1200.0 - 14100.0
soft X-ray variability: 11.75

Optical Counterpart

Gaia DR3 Name:



IGR J17254-3257*Coordinates*

RA: $17^{\text{h}}25^{\text{m}}24^{\text{s}}.995$
DEC: $-32^{\circ}57'14''.776$
Position-uncertainty [arcsec]: 1.007×10^0
Galactic-longitude [deg]: 354.28
Galactic-latitude [deg]: 1.47
Coordinate-Reference: Evans et al. (2010)

Binary System

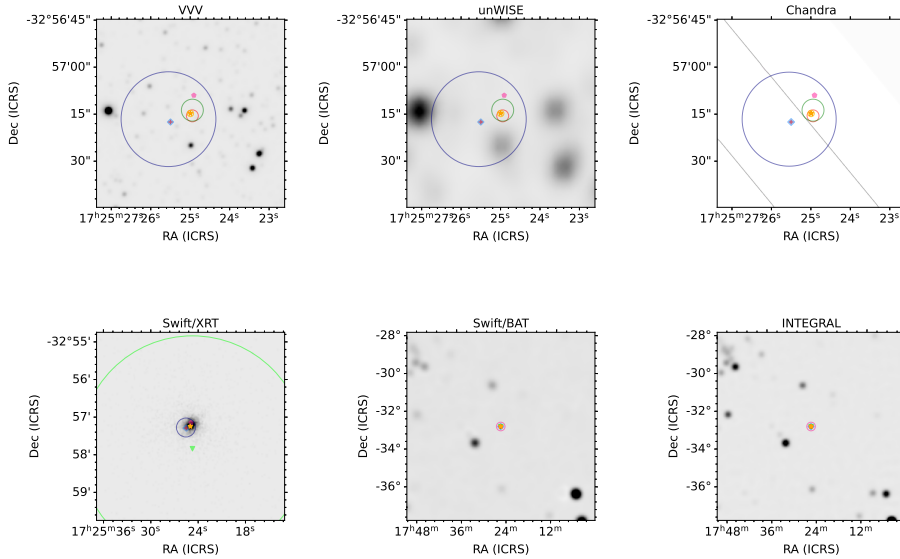
Alternative Name: 1RXS J172525.5-325717
X-ray Type: XB, XT
Mean Distance [kpc]: 8.0
Distance-Reference: Chenevez et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 1.79

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.23 - 3792.0
soft X-ray variability: 725.33
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 19.73 - 38.36
hard X-ray variability: 1.94

Optical Counterpart

Gaia DR3 Name:
V [mag]: 14.50(0.10)



IGR J17269-4737

Coordinates

RA: 17^h26^m04^s.28
DEC: -47°38′00.24″
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 342.2
Galactic-latitude [deg]: -6.92
Coordinate-Reference: Maitra et al. (2005)

Binary System

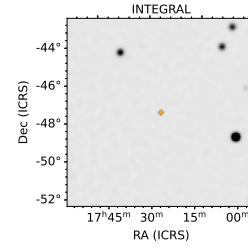
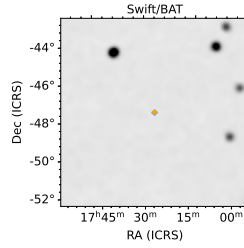
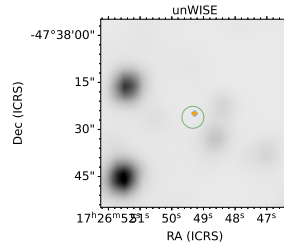
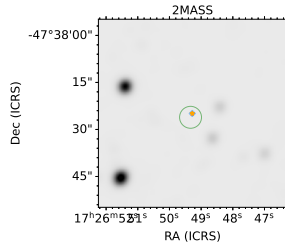
Alternative Name: XTE J1727-476
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.5
Distance-Reference: Kennea et al. (2005)
Hydrogen Column density [10^{21}cm^{-2}]: 0.31

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 768.0 - 1992.0
soft X-ray variability: 2.59
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 96.0 - 264.0
hard X-ray variability: 2.75

Optical Counterpart

Gaia DR3 Name:
J [mag]: 21.00(0.30)
K [mag]: 18.05



4U 1724-307*Coordinates*

RA: 17^h27^m33^s.194
DEC: −30°48′07″.632
Position-uncertainty [arcsec] : 7.000×10^{-1}
Galactic-longitude [deg]: 356.32
Galactic-latitude [deg]: 2.3
Coordinate-Reference: Huenemoerder et al. (2011)

Binary System

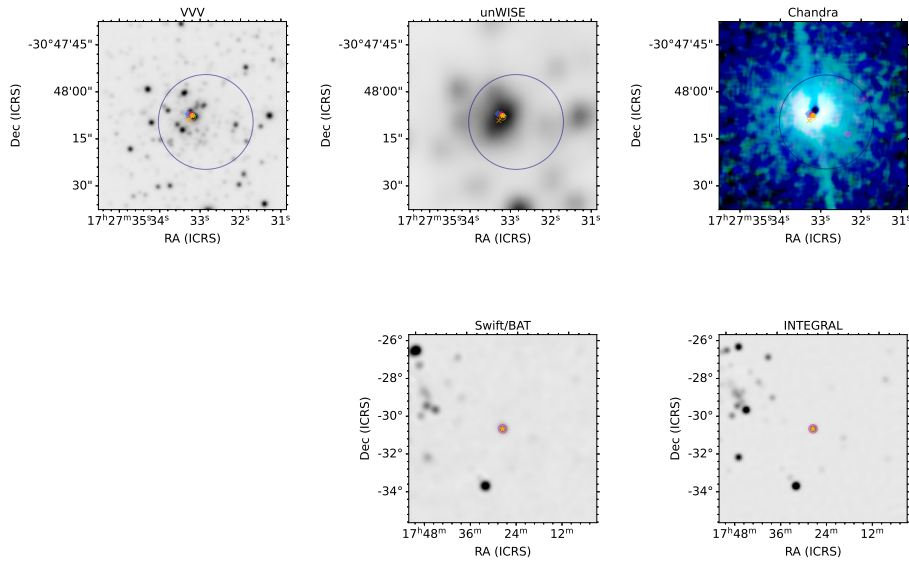
Alternative Name: 1E 1724-3045
X-ray Type: GC, XB, AS
Mean Distance [kpc]: 7.4
Distance Range [kpc]: 6.9 – 12.0
Distance-Reference: Galloway et al. (2020)
Hydrogen Column density [10^{21}cm^{-2}]: 0.78

Compact Object

Orbital Period [d]: 90.0
 Tarana et al. (2018)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 600.0 - 1920.0
soft X-ray variability: 3.2

Optical Counterpart

Gaia DR3 Name: 4058208396397618688
G [mag]: 18.594(0.019)
V [mag]: 12.50(0.05)
J [mag]: 10.32(0.10)
H [mag]: 9.09(0.09)
K [mag]: 8.56(0.07)
W1 [mag]: 7.149(0.011)
W2 [mag]: 7.289(0.008)



KS 1724-356

Coordinates

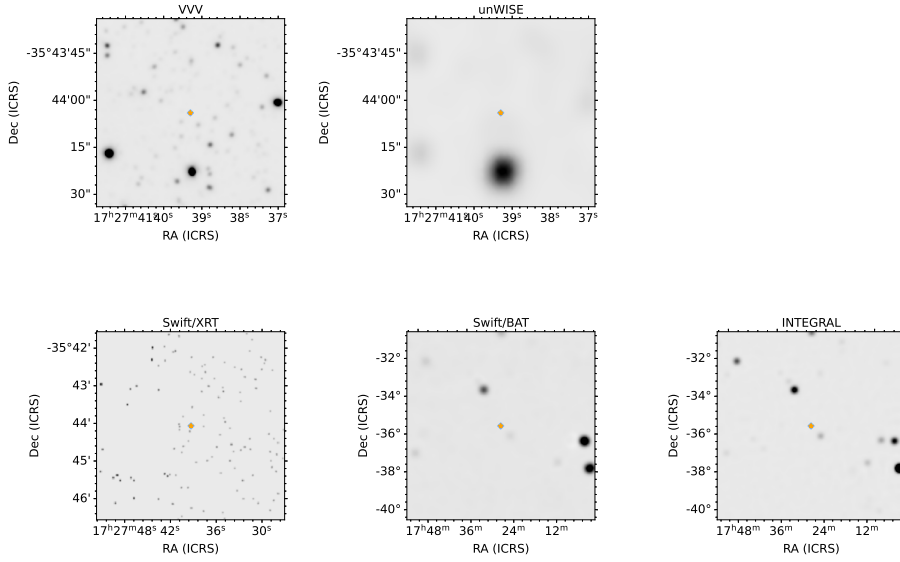
RA: 17^h27^m00.39^s3
DEC: −35°44′00.4″0
Galactic-longitude [deg]: 352.23
Galactic-latitude [deg]: −0.46
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name: X1724-356
Hydrogen Column density [10²¹cm^{−2}]: 1.36

Optical Counterpart

Gaia DR3 Name:



MAXI J1727-203

Coordinates

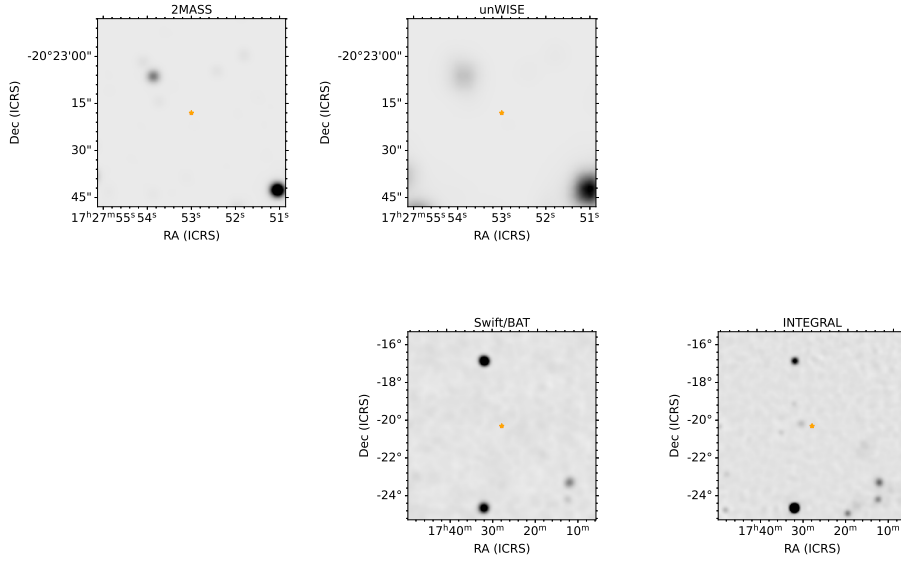
RA: $17^{\text{h}}27^{\text{m}}00.53^{\text{s}}0$
DEC: $-20^{\circ}23'00.18''0$
Galactic-longitude [deg]: 5.09
Galactic-latitude [deg]: 7.97
Coordinate-Reference: Yoneyama et al. (2018)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



IGR J17285-2922

Coordinates

RA: 17^h28^m38^s.959
DEC: −29°21′43″.852
Position-uncertainty [arcsec]: 4.869×10^{-1}
Galactic-longitude [deg]: 357.65
Galactic-latitude [deg]: 2.9
Coordinate-Reference: Webb et al. (2020)

Binary System

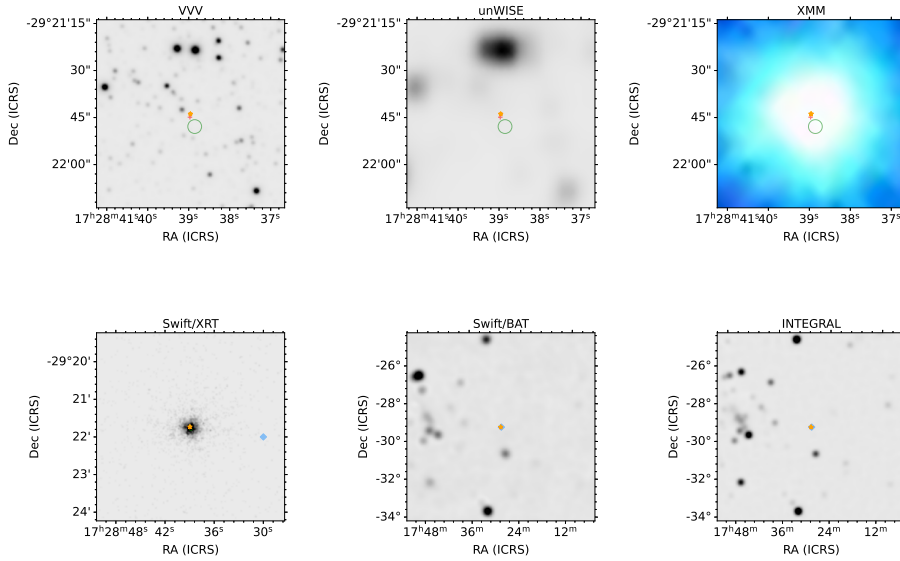
Alternative Name:
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.0
Distance Range [kpc]: 4.0 – 12.0
Distance-Reference: Stoop et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.63

Compact Object

Orbital Period [d]: 0.3875
 Stoop et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.0 - 191.0
soft X-ray variability: 191.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 237.6 - 415.2
hard X-ray variability: 1.75

Optical Counterpart

Gaia DR3 Name:



3U 1728-16*Coordinates*

RA: 17^h31^m44^s.224
DEC: −16°57′40″.853
Position-uncertainty [arcsec]: 8.860×10^{-5}
Galactic-longitude [deg]: 8.51
Galactic-latitude [deg]: 9.04
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

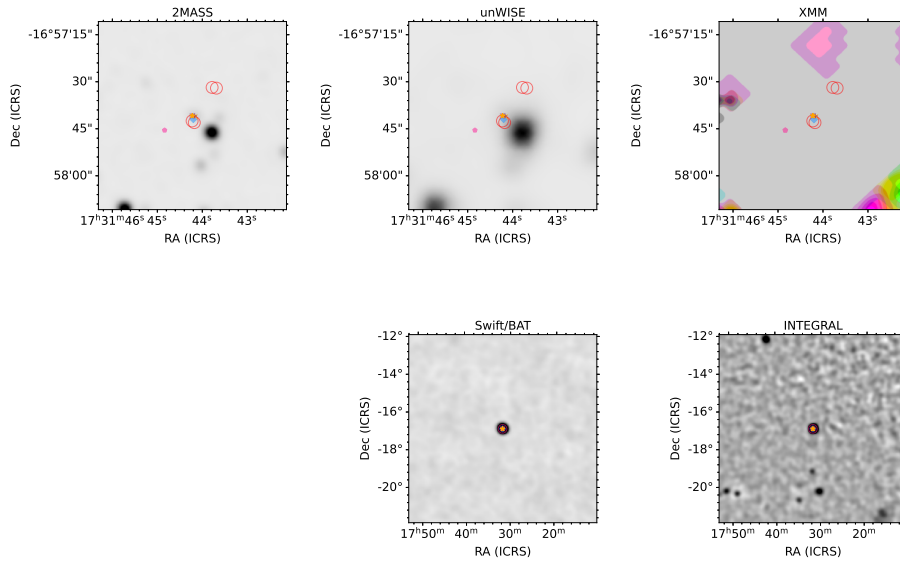
Alternative Name: GX 9+9
X-ray Type: AS
Mean Distance [kpc]: 5.0
Distance Range [kpc]: 4.4 – 7.0
Distance-Reference: Vilhu et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 0.31

Compact Object

Orbital Period [d]: 0.17500000000000002
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 105.97 - 3786.89
soft X-ray variability: 35.74

Optical Counterpart

Gaia DR3 Name: 4124499769144146688
G [mag]: 16.9865(0.0029)
V [mag]: 16.799999237060547
J [mag]: 14.42(0.05)
H [mag]: 13.85(0.06)
K [mag]: 13.64(0.07)
W1 [mag]: 13.335(0.027)
W2 [mag]: 13.494(0.026)



4U 1728-34

Coordinates

RA: 17^h31^m57^s.699
DEC: −33°50′00″.881
Position-uncertainty [arcsec]: 1.900×10^0
Galactic-longitude [deg]: 354.3
Galactic-latitude [deg]: −0.15
Coordinate-Reference: Webb et al. (2020)

Binary System

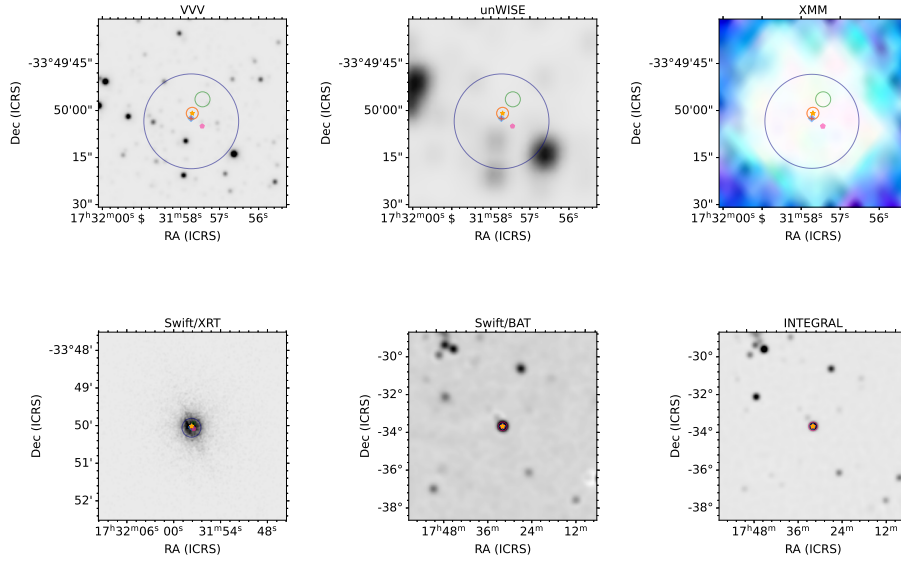
Alternative Name: GX 354-0
X-ray Type: XB, RP, BO, AS
Mean Distance [kpc]: 4.8
Distance Range [kpc]: 4.4 – 5.1
Distance-Reference: Galloway et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 4.5

Compact Object

Orbital Period [d]: 0.045833333333333334
 Vincentelli et al. (2020)
Pulse Period [s]: 0.0027548209366391185
 Patruno et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 708.5 - 10200.0
soft X-ray variability: 14.4

Optical Counterpart

Gaia DR3 Name:
Spectral Type: He WD?
 Vincentelli et al. (2020)
V [mag]: 15.50(0.30)



GX 1+4*Coordinates*

RA: 17^h32^m02^s.149
DEC: −24°44′44″.161
Position-uncertainty [arcsec]: 7.873×10^{-5}
Galactic-longitude [deg]: 1.94
Galactic-latitude [deg]: 4.79
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

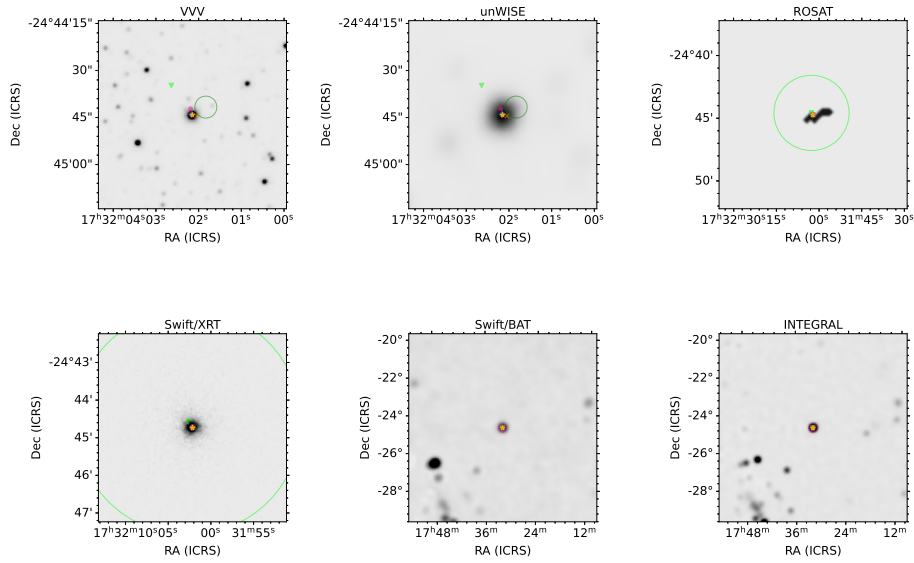
Alternative Name: 3U 1728-24
X-ray Type: XP, DS
Mean Distance [kpc]: 4.3
Distance Range [kpc]: 3.0 – 15.0
Distance-Reference: Hinkle et al. (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 1.66

Compact Object

Orbital Period [d]: 1160.8
 Liu et al. (2007)
Pulse Period [s]: 138.17
 González-Galán et al. (2012)

Optical Counterpart

Gaia DR3 Name: 4110236324513030656
Spectral Type: M6IIIe
 Davidsen et al. (1977)
G [mag]: 15.518(0.024)
V [mag]: 18.399999618530273
J [mag]: 10.095(0.022)
H [mag]: 8.70(0.05)
K [mag]: 7.979(0.024)
W1 [mag]: 8.83(0.05)
W2 [mag]: 10.19(0.08)



IGR J17329-2731

Coordinates

RA: 17^h32^m50^s.667
DEC: −27°30′01″.577
Position-uncertainty [arcsec]: 2.051×10^{-4}
Galactic-longitude [deg]: 359.72
Galactic-latitude [deg]: 3.15
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

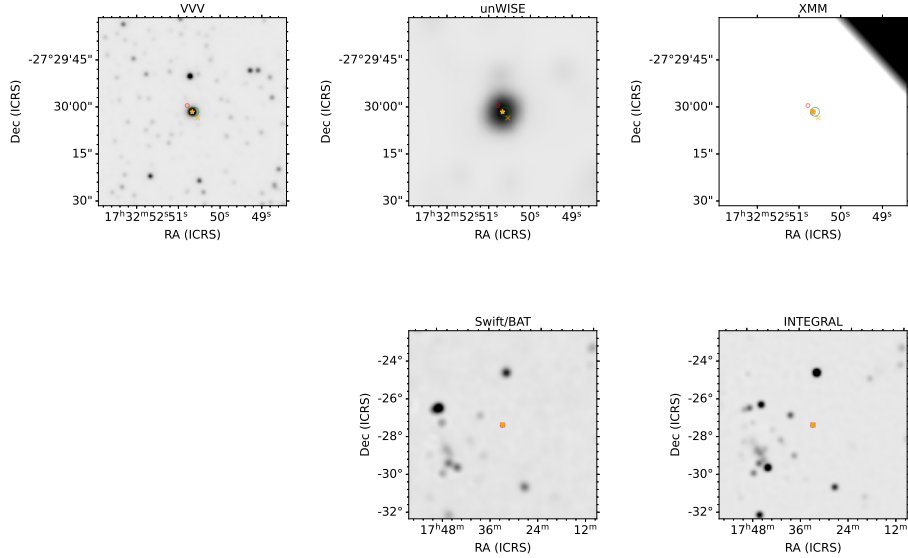
Alternative Name:
Mean Distance [kpc]: 3.92
Distance Range [kpc]: 3.9 – 3.93
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 33.0

Compact Object

Pulse Period [s]: 6680.0
 Bozzo et al. (2018)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 47.56 - 744.0
soft X-ray variability: 15.64

Optical Counterpart

Gaia DR3 Name: 4061336747511224704
Spectral Type: M
 Bahramian et al. (2017d)
G [mag]: 16.052(0.007)
V [mag]: 19.26(0.08)
J [mag]: 9.823(0.026)
H [mag]: 8.436(0.033)
K [mag]: 7.775(0.020)
W1 [mag]: 8.091(0.006)
W2 [mag]: 12.801000(0)



[ZGV2011] 9*Coordinates*

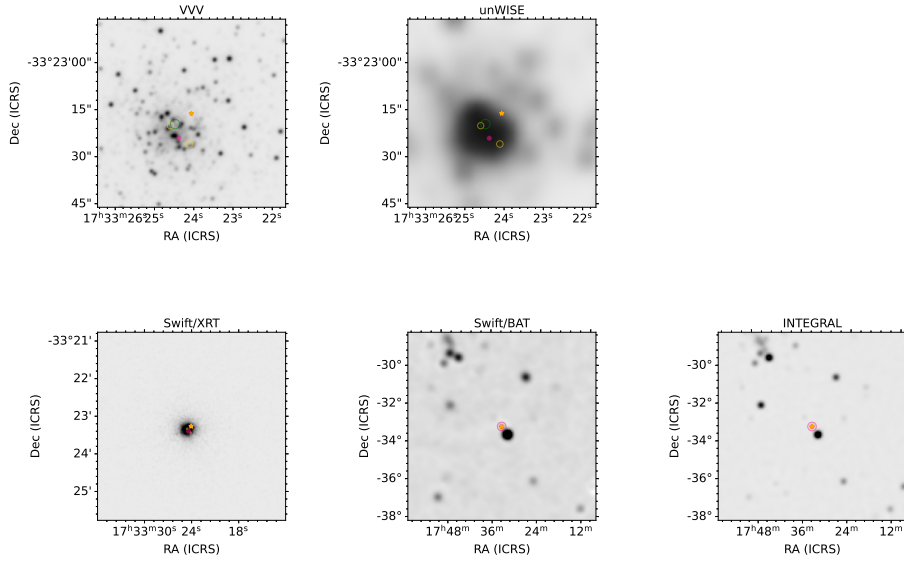
RA: $17^{\text{h}}33^{\text{m}}02^{\text{s}}.06$
DEC: $-33^{\circ}23'00''.2$
Galactic-longitude [deg]: 354.84
Galactic-latitude [deg]: -0.16
Coordinate-Reference: Zhang et al. (2011)

Binary System

Alternative Name:
X-ray Type: GC
Mean Distance [kpc]: 5.2
Distance Range [kpc]: 4.7 – 5.7
Distance-Reference: Ortolani et al. (1999)

Optical Counterpart

Gaia DR3 Name:



MXB 1730-335

Coordinates

RA: 17^h33^m24^s.108
DEC: −33°23′25″.967
Position-uncertainty [arcsec]: 1.049×10^0
Galactic-longitude [deg]: 354.84
Galactic-latitude [deg]: −0.16
Coordinate-Reference: Evans et al. (2010)

Binary System

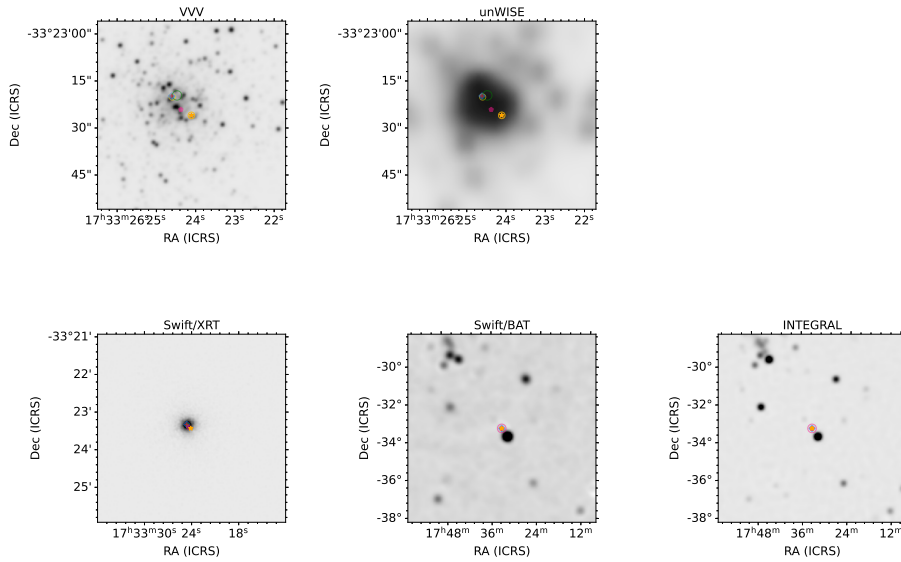
Alternative Name: Rapid Burster
X-ray Type: DS, GC, XB, XT, RP
Mean Distance [kpc]: 7.9
Distance Range [kpc]: 7.0 – 8.8
Distance-Reference: Valenti et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 3.64

Compact Object

Pulse Period [s]: 0.0032679738562091504
Watts et al. (2008)

Optical Counterpart

Gaia DR3 Name:



CXOU J173324.6-332321

Coordinates

RA: 17^h33^m24^s.108

DEC: −33°23′25″.967

Position-uncertainty [arcsec] : 1.049×10^0

Galactic-longitude [deg]: 354.84

Galactic-latitude [deg]: −0.16

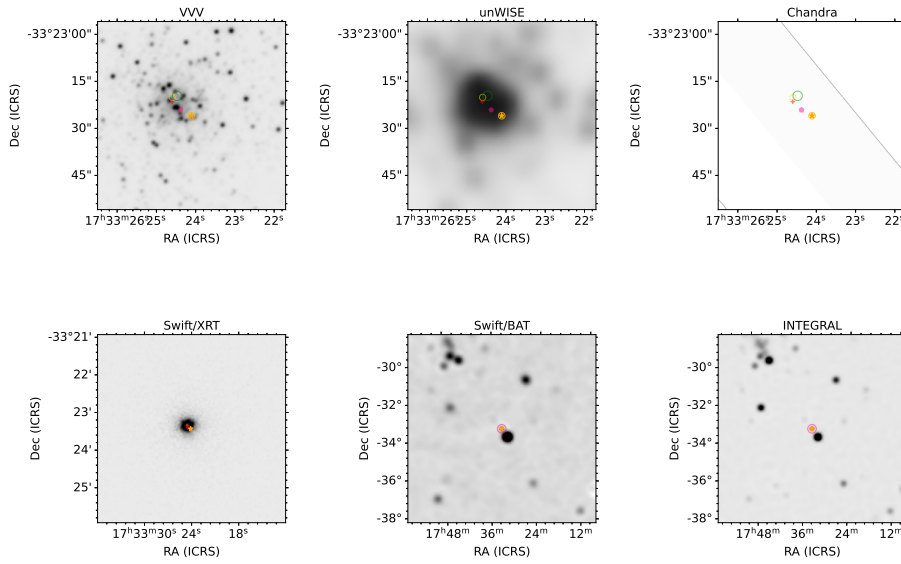
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



GRS 1730-312

Coordinates

RA: 17^h33^m00.52^s3
DEC: −31°12′00.25″0
Position-uncertainty [arcsec]: 3.000×10^1
Galactic-longitude [deg]: 356.73
Galactic-latitude [deg]: 0.94
Coordinate-Reference: Liu et al. (2007)

Binary System

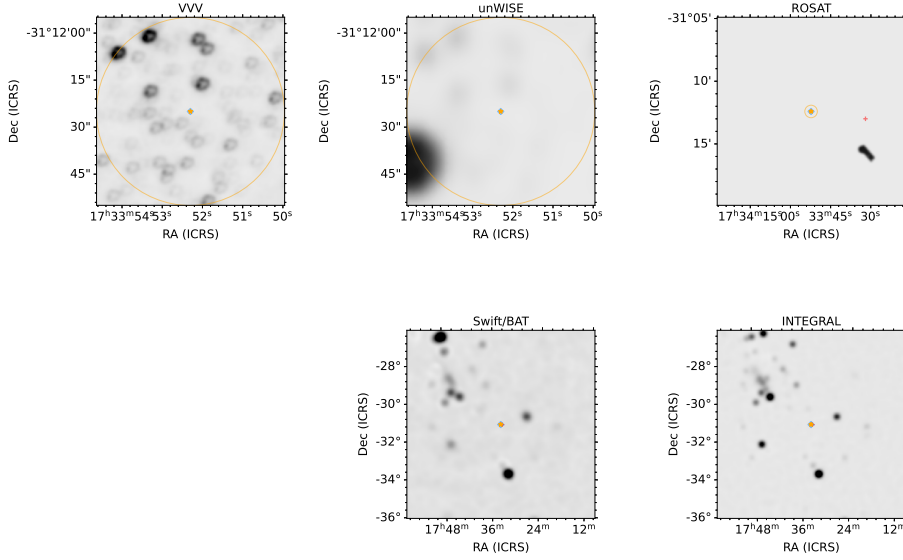
Alternative Name: AX J1733.9-3112
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.5
Distance Range [kpc]: 7.49 – 9.51
Distance-Reference: Jonker et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 4.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 391.0 - 13200.0
soft X-ray variability: 33.76
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 654.0 - 3766.15
hard X-ray variability: 5.76

Optical Counterpart

Gaia DR3 Name:



4U 1730-22*Coordinates*

RA: 17^h33^m05^s.57
DEC: −22°01′00^s.3
Position-uncertainty [arcsec] : 5.000×10^{-1}
Galactic-longitude [deg]: 4.47
Galactic-latitude [deg]: 5.89
Coordinate-Reference: Russell et al. (2021)

Binary System

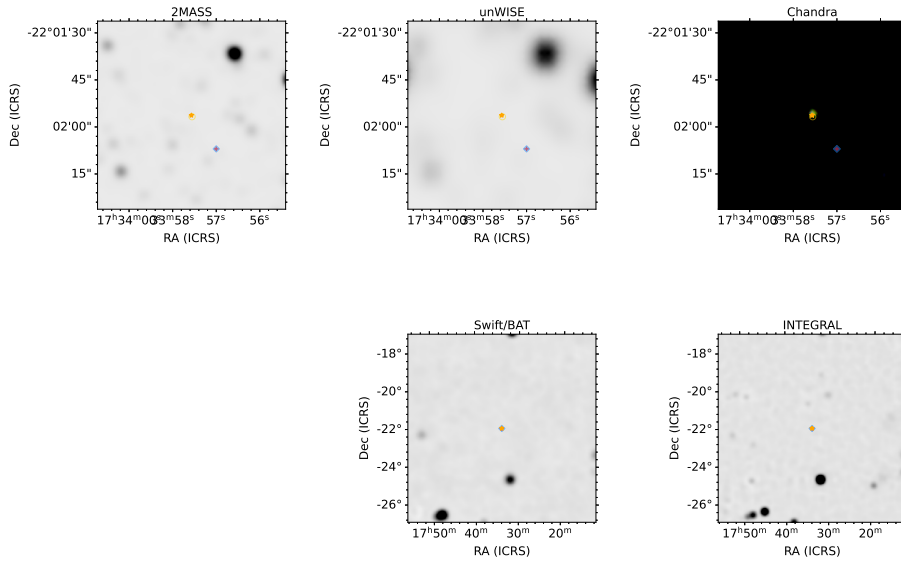
Alternative Name: MAXI J1733-222
X-ray Type: XT
Hydrogen Column density [10^{21}cm^{-2}]: 0.73

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 56.7 - 744.0
hard X-ray variability: 13.12

Optical Counterpart

Gaia DR3 Name:



KS 1731-260

Coordinates

RA: $17^{\text{h}}34^{\text{m}}13^{\text{s}}.448$
DEC: $-26^{\circ}05'00.18''7$
Position-uncertainty [arcsec]: 1.006×10^0
Galactic-longitude [deg]: 1.07
Galactic-latitude [deg]: 3.65
Coordinate-Reference: Evans et al. (2010)

Binary System

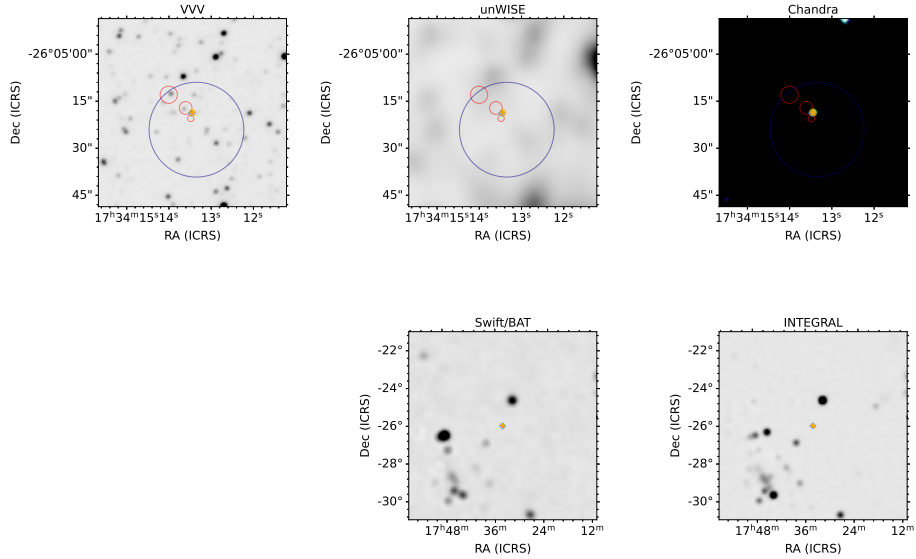
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 8.2
Distance Range [kpc]: 7.2 – 9.2
Distance-Reference: Munro et al. (2000)
Hydrogen Column density [10^{21}cm^{-2}]: 1.3

Compact Object

Pulse Period [s]: 0.0019
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 12500.0
soft X-ray variability: 6419648.48

Optical Counterpart

Gaia DR3 Name:
J [mag]: 17.32(0.20)
H [mag]: 17.70(0.20)
K [mag]: 16.36(0.18)



Swift J1734.5-3027*Coordinates*

RA: 17^h34^m024^s.18
DEC: −30°23′0053″.0
Position-uncertainty [arcsec] : 1.400×10^0
Galactic-longitude [deg]: 357.47
Galactic-latitude [deg]: 1.29
Coordinate-Reference: Bozzo et al. (2015)

Binary System

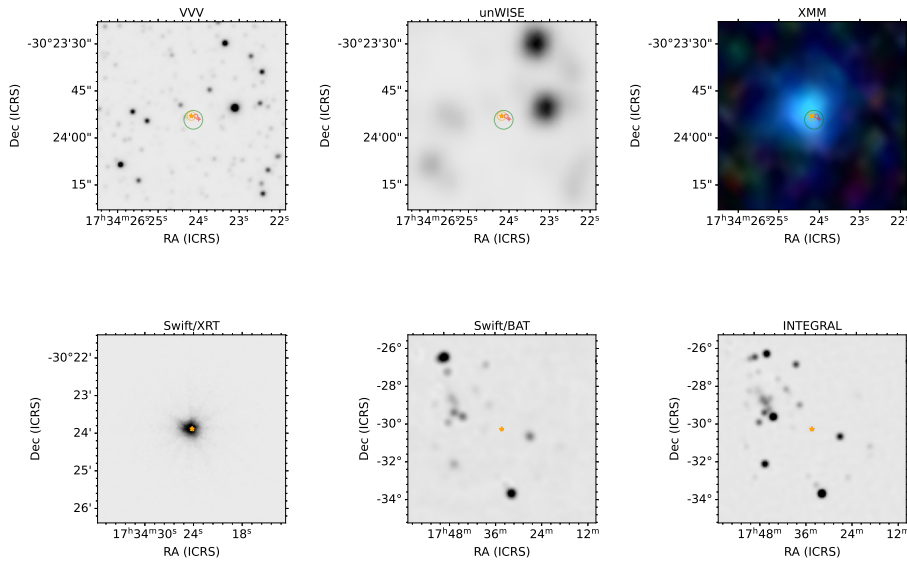
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 7.2
Distance Range [kpc]: 5.8 – 8.7
Distance-Reference: Bozzo et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 0.84

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.61 - 336.0
soft X-ray variability: 555.0

Optical Counterpart

Gaia DR3 Name:



IGR J17353-3539

Coordinates

RA: $17^{\text{h}}35^{\text{m}}23^{\text{s}}.614$
DEC: $-35^{\circ}40'012''.93$
Position-uncertainty [arcsec]: 3.367×10^{-5}
Galactic-longitude [deg]: 353.14
Galactic-latitude [deg]: -1.74
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

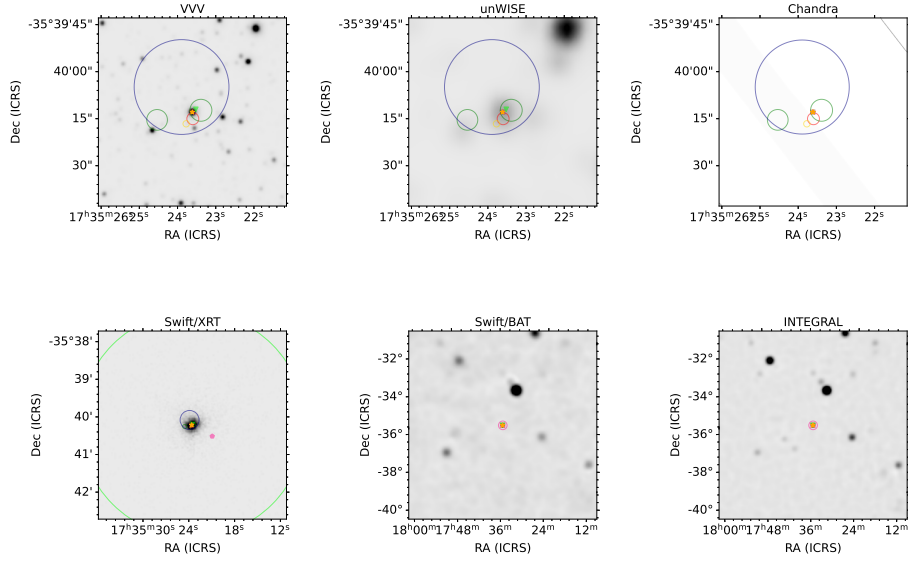
Alternative Name:
Mean Distance [kpc]: 3.34
Distance Range [kpc]: 2.98 – 4.12
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 2.19

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 3.0 - 10.88
soft X-ray variability: 3.63
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 9.01 - 10.88
hard X-ray variability: 1.21

Optical Counterpart

Gaia DR3 Name: 5974787971132985600
G [mag]: 14.2367(0.0028)
J [mag]: 10.229(0.026)
H [mag]: 9.028(0.026)
K [mag]: 8.626(0.027)
W1 [mag]: 8.355(0.014)
W2 [mag]: 8.524(0.011)



1RXH J173523.7-354013*Coordinates*

RA: 17^h35^m023^s.74
DEC: −35°40′0016″.6
Position-uncertainty [arcsec] : 1.000×10^{-1}
Galactic-longitude [deg]: 353.14
Galactic-latitude [deg]: −1.74
Coordinate-Reference: Degenaar et al. (2010)

Binary System

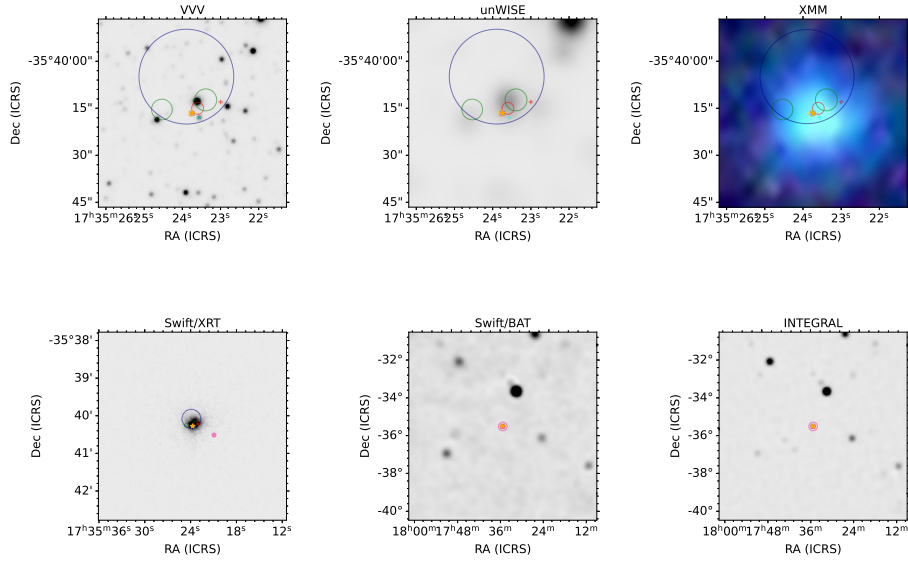
Alternative Name: RX J1735.3-3540
X-ray Type: XB
Mean Distance [kpc]: 3.9
Distance Range [kpc]: 2.15 – 5.74
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.93

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 3.0 - 10.88
soft X-ray variability: 3.63

Optical Counterpart

Gaia DR3 Name: 5974787971132982144
G [mag]: 19.390(0.010)
V [mag]: 21.20(0.10)
J [mag]: 15.40(0.10)
H [mag]: 14.30(0.10)
K [mag]: 13.80(0.10)



AX J1735.8-3207

Coordinates

RA: 17^h35^m46^s.281
DEC: −32°07′09″.844
Position-uncertainty [arcsec] : 3.654×10^{-5}
Galactic-longitude [deg]: 356.18
Galactic-latitude [deg]: 0.11
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

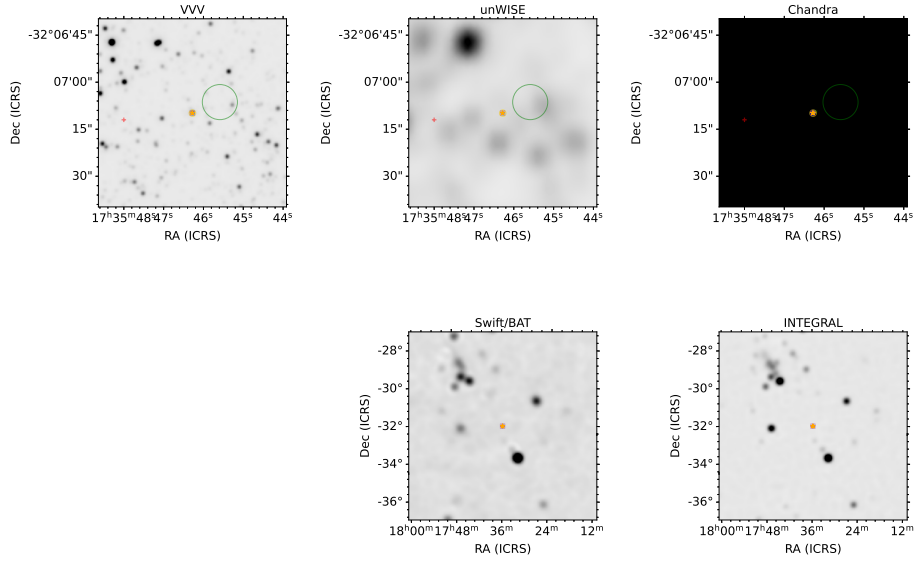
Alternative Name:
X-ray Type: XT?
Mean Distance [kpc]: 1.41
Distance Range [kpc]: 1.4 – 1.41
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.3

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.2 – –

Optical Counterpart

Gaia DR3 Name: 4055019091071763712
G [mag]: 14.982(0.005)
J [mag]: 14.19(0.04)
H [mag]: 13.443000(0)
K [mag]: 12.711000(0)



SLX 1732-304*Coordinates*

RA: 17^h35^m04^s.27
DEC: −30°28′00^s.28
Position-uncertainty [arcsec]: 1.000×10^0
Galactic-longitude [deg]: 357.56
Galactic-latitude [deg]: 0.99
Coordinate-Reference: Liu et al. (2007)

Binary System

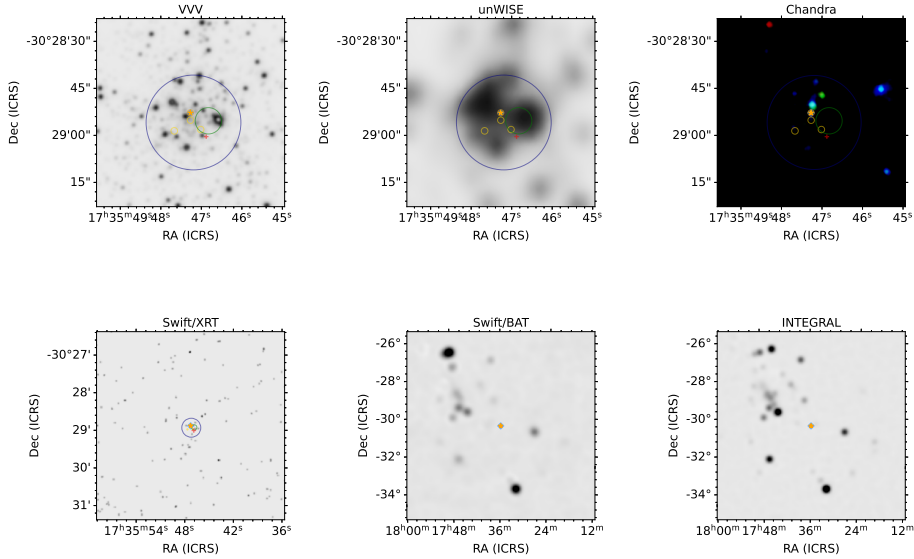
Alternative Name: GPS 1733-304
X-ray Type: GC, XB, RP
Mean Distance [kpc]: 5.2
Distance Range [kpc]: 4.7 – 5.7
Distance-Reference: Ortolani et al. (1999)
Hydrogen Column density [10^{21}cm^{-2}]: 1.49

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.48 - 11736.0
soft X-ray variability: 24450.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 75.2 - 288.0
hard X-ray variability: 3.83

Optical Counterpart

Gaia DR3 Name:



[ZGV2011] 1

Coordinates

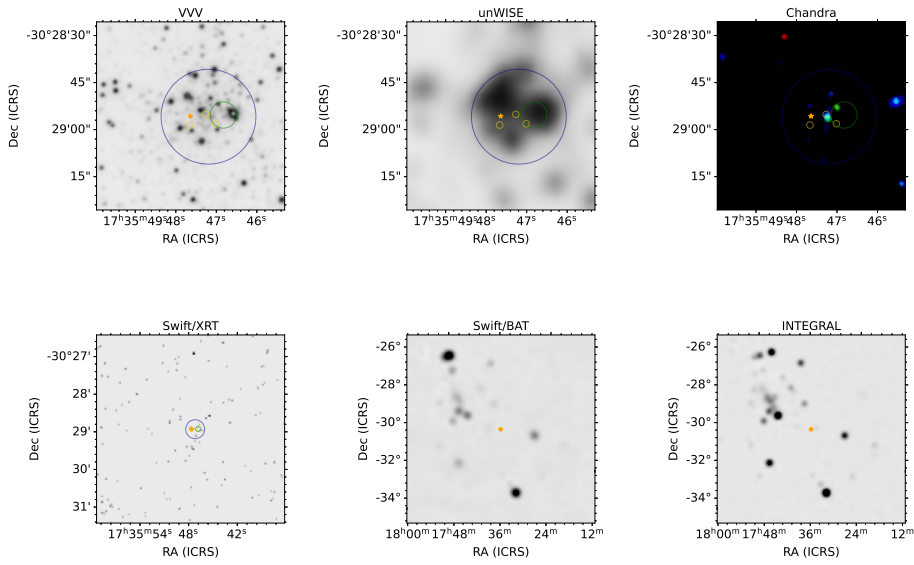
RA: $17^{\text{h}}35^{\text{m}}04^{\text{s}}.64$
DEC: $-30^{\circ}28'00.55''.7$
Galactic-longitude [deg]: 357.56
Galactic-latitude [deg]: 0.99
Coordinate-Reference: Zhang et al. (2011)

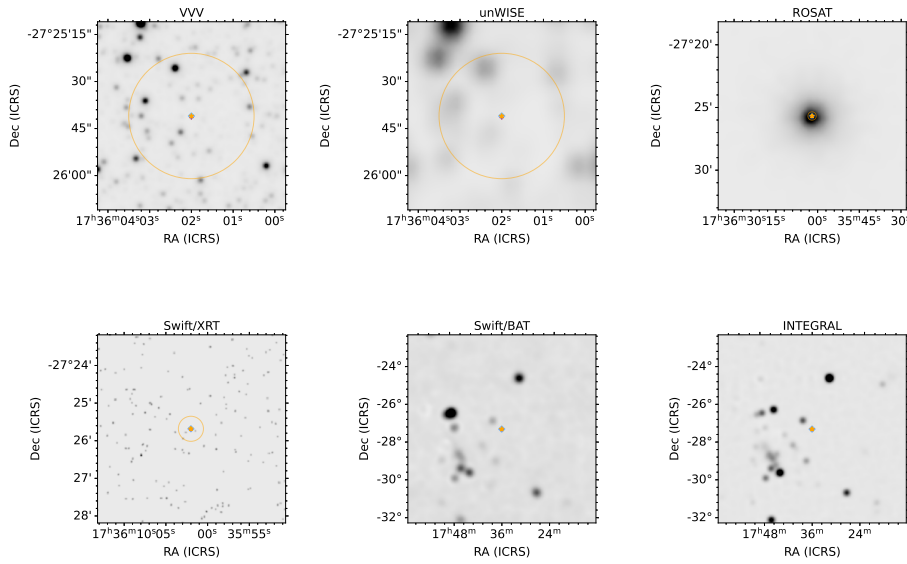
Binary System

Alternative Name:
X-ray Type: GC
Mean Distance [kpc]: 5.2
Distance Range [kpc]: 4.7 – 5.7
Distance-Reference: Ortolani et al. (1999)
Hydrogen Column density [10^{21}cm^{-2}]: 1.49

Optical Counterpart

Gaia DR3 Name:



GRO J1735-27*Coordinates***RA:** 17^h36^m00.02^s0**DEC:** −27°25′00.41″0**Position-uncertainty** [arcsec]: 2.000×10^1 **Galactic-longitude** [deg]: 0.16**Galactic-latitude** [deg]: 2.59**Coordinate-Reference:** Aschenbach et al. (1995)*Binary System***Alternative Name:** RX J1735.9-2726**X-ray Type:** BH?, XT, US**Mean Distance** [kpc]: 8.5**Distance Range** [kpc]: 7.6 – 9.4**Distance-Reference:** Jonker et al. (2021)**Hydrogen Column density** [10^{21}cm^{-2}]: 1.05*Compact Object***hard-band flux** [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2.97 - 2400.0**hard X-ray variability:** 808.08*Optical Counterpart***Gaia DR3 Name:**

CXO Glb J173616.9-444409

Coordinates

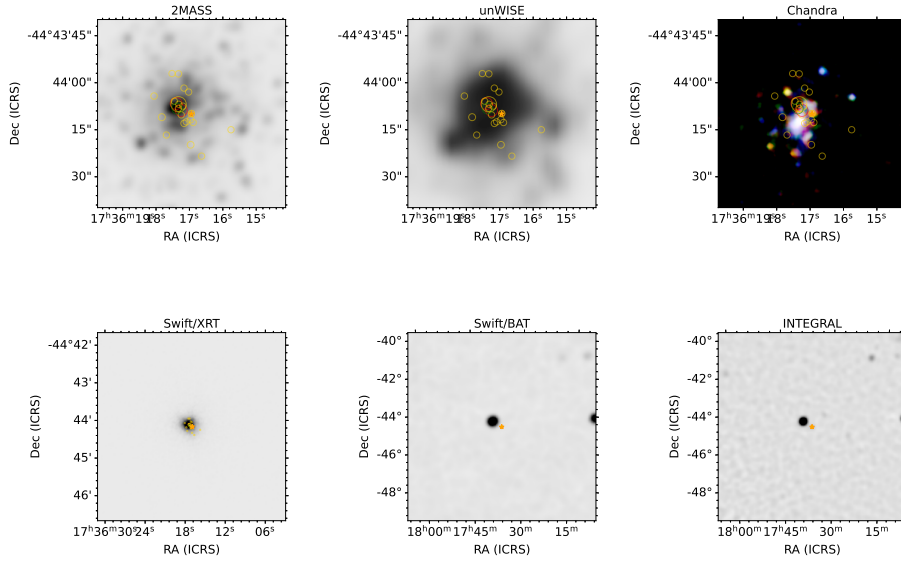
RA: $17^{\text{h}}36^{\text{m}}16^{\text{s}}.941$
DEC: $-44^{\circ}44'00.9''$
Position-uncertainty [arcsec]: 1.007×10^0
Galactic-longitude [deg]: 345.56
Galactic-latitude [deg]: -6.74
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.1 – 10.1
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Optical Counterpart

Gaia DR3 Name:



CXOGlb J173617.3-444408

Coordinates

RA: 17^h36^m17^s.332
DEC: -44°44'008"36
Position-uncertainty [arcsec] : 1.081×10^0
Galactic-longitude [deg]: 345.56
Galactic-latitude [deg]: -6.74
Coordinate-Reference: Evans et al. (2010)

Binary System

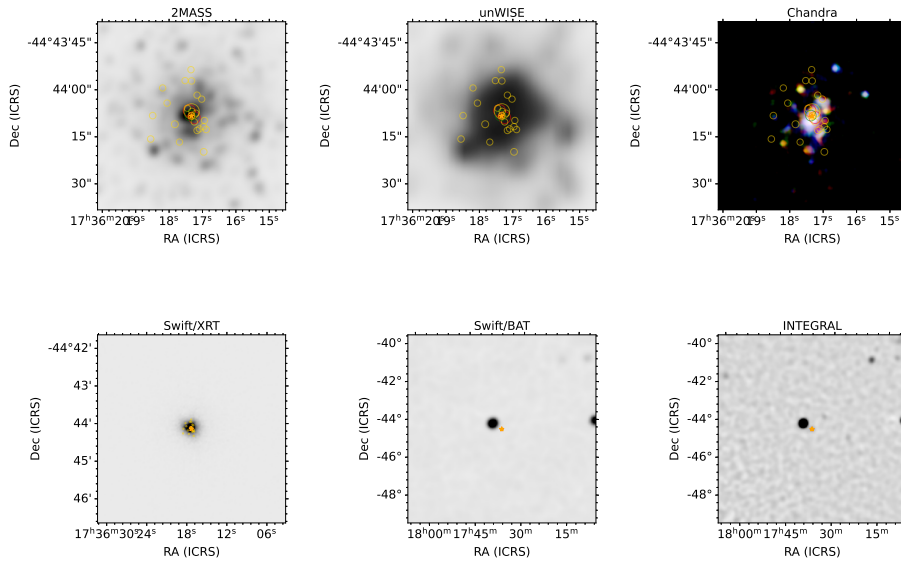
Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.1 – 10.1
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.58 - 33.14
soft X-ray variability: 56.89

Optical Counterpart

Gaia DR3 Name:



IGR J17361-4441

Coordinates

RA: 17^h36^m17^s.418
DEC: -44°44′005″.98
Position-uncertainty [arcsec]: 4.000×10^{-2}
Galactic-longitude [deg]: 345.56
Galactic-latitude [deg]: -6.74
Coordinate-Reference: Evans et al. (2010)

Binary System

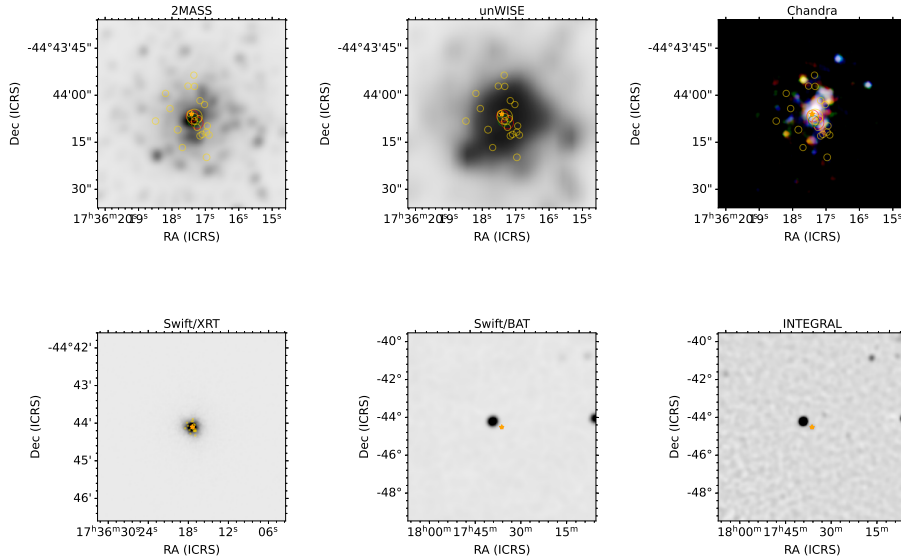
Alternative Name:
X-ray Type: GC, XT, BH?
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.1 – 10.1
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.58 - 33.14
soft X-ray variability: 56.89

Optical Counterpart

Gaia DR3 Name:



CXOGlb J173617.5-444357*Coordinates*

RA: 17^h36^m017.52
DEC: -44°43'057".13
Position-uncertainty [arcsec] : 1.114×10^0
Galactic-longitude [deg]: 345.56
Galactic-latitude [deg]: -6.74
Coordinate-Reference: Evans et al. (2010)

Binary System

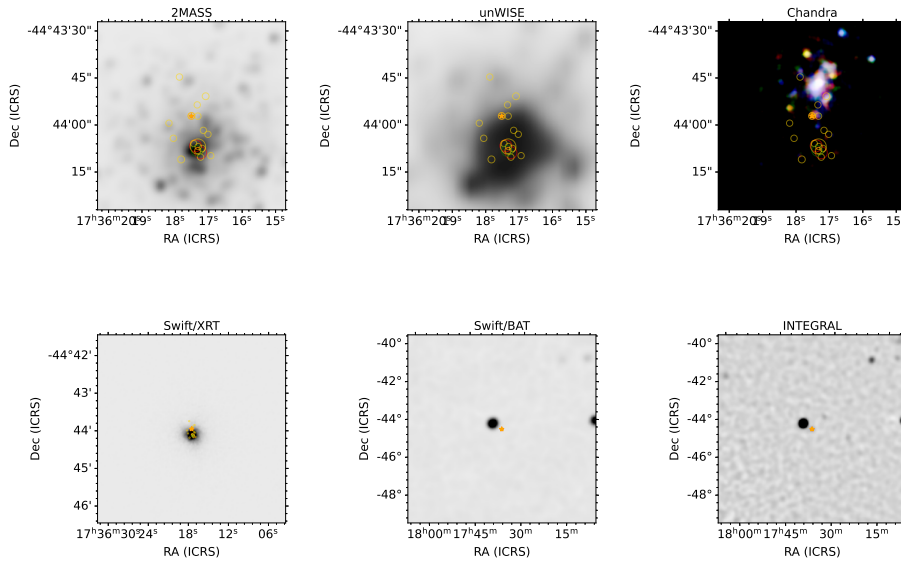
Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.1 – 10.1
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.58 - 33.14
soft X-ray variability: 56.89

Optical Counterpart

Gaia DR3 Name:



CXO Glb J173617.6-444416

Coordinates

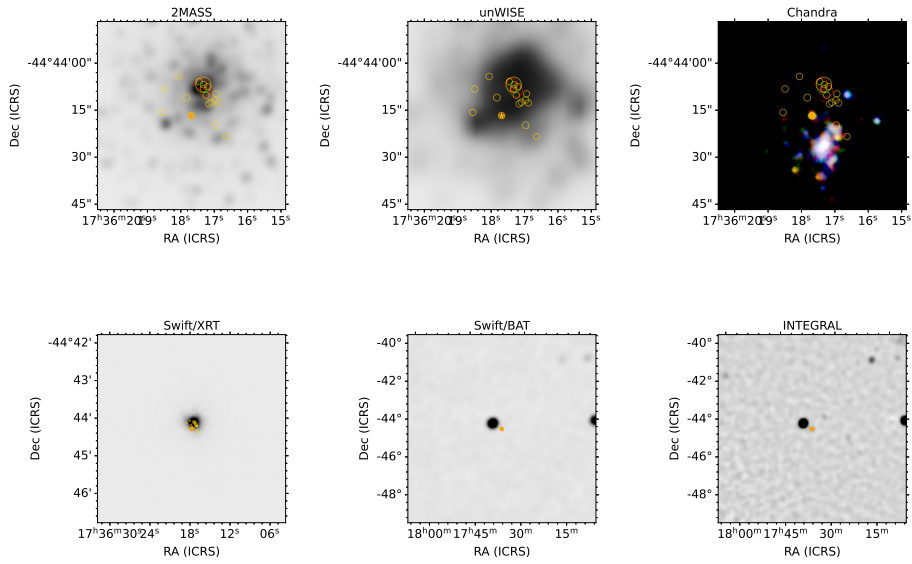
RA: $17^{\text{h}}36^{\text{m}}17^{\text{s}}.683$
DEC: $-44^{\circ}44'016''.78$
Position-uncertainty [arcsec]: 1.007×10^0
Galactic-longitude [deg]: 345.56
Galactic-latitude [deg]: -6.74
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.1 – 10.1
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Optical Counterpart

Gaia DR3 Name:



CXOGlb J173618.1-444359*Coordinates*

RA: 17^h36^m18^s.184
DEC: -44°43'059".53
Position-uncertainty [arcsec] : 1.114×10^0
Galactic-longitude [deg]: 345.56
Galactic-latitude [deg]: -6.74
Coordinate-Reference: Evans et al. (2010)

Binary System

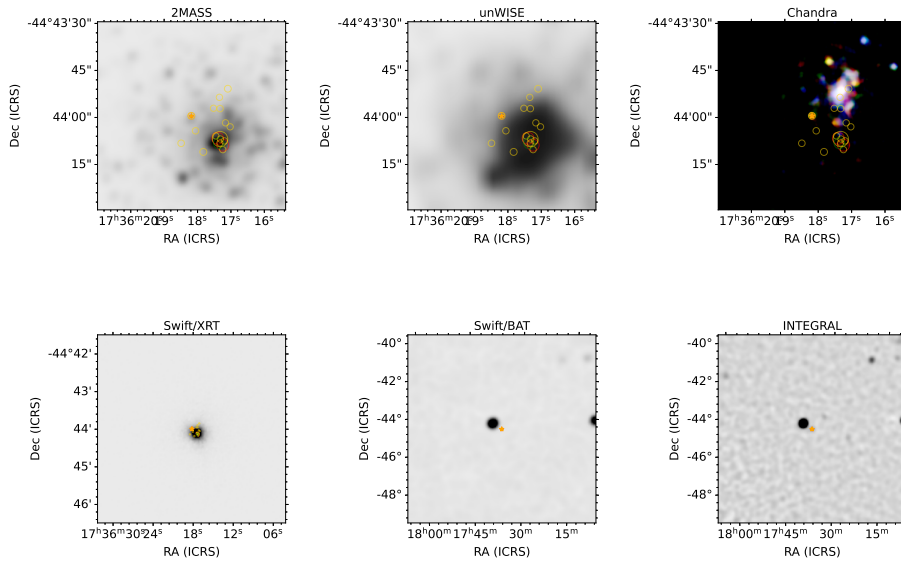
Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.1 – 10.1
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.58 - 33.14
soft X-ray variability: 56.89

Optical Counterpart

Gaia DR3 Name:



IGR J17379-3747

Coordinates

RA: $17^{\text{h}}37^{\text{m}}05^{\text{s}}.77$
DEC: $-37^{\circ}46'00''.9$
Position-uncertainty [arcsec]: 3.200×10^{-1}
Galactic-longitude [deg]: 351.65
Galactic-latitude [deg]: -3.31
Coordinate-Reference: Curran et al. (2011)

Binary System

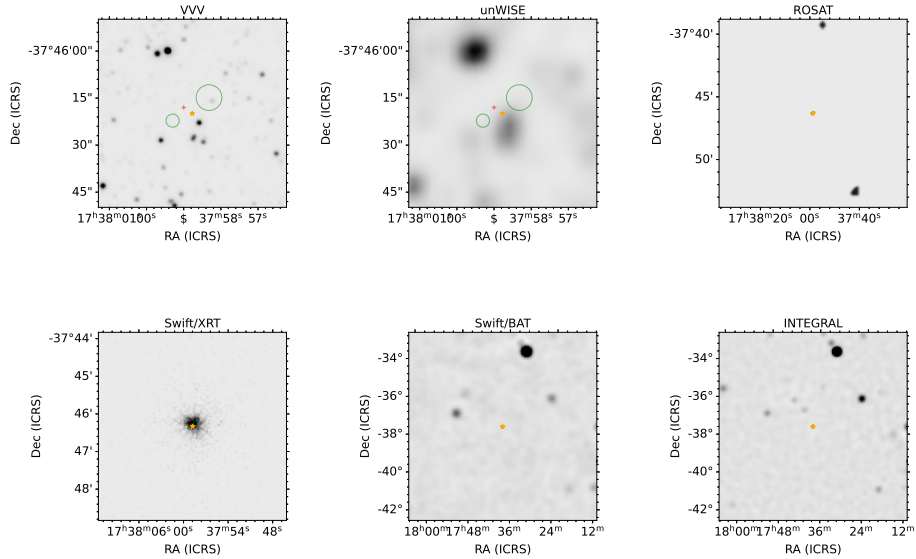
Alternative Name:
X-ray Type: XT, XP
Hydrogen Column density [10^{21}cm^{-2}]: 0.88

Compact Object

Orbital Period [d]: 0.07833333333333332
 Sanna et al. (2018b)
Pulse Period [s]: 0.002136
 Sanna et al. (2018b)

Optical Counterpart

Gaia DR3 Name:
K [mag]: 18.30(0.10)



SLX 1735-269*Coordinates*

RA: $17^{\text{h}}38^{\text{m}}17^{\text{s}}.064$
DEC: $-26^{\circ}59'40''.618$
Position-uncertainty [arcsec]: 3.161×10^0
Galactic-longitude [deg]: 0.8
Galactic-latitude [deg]: 2.4
Coordinate-Reference: Evans et al. (2010)

Binary System

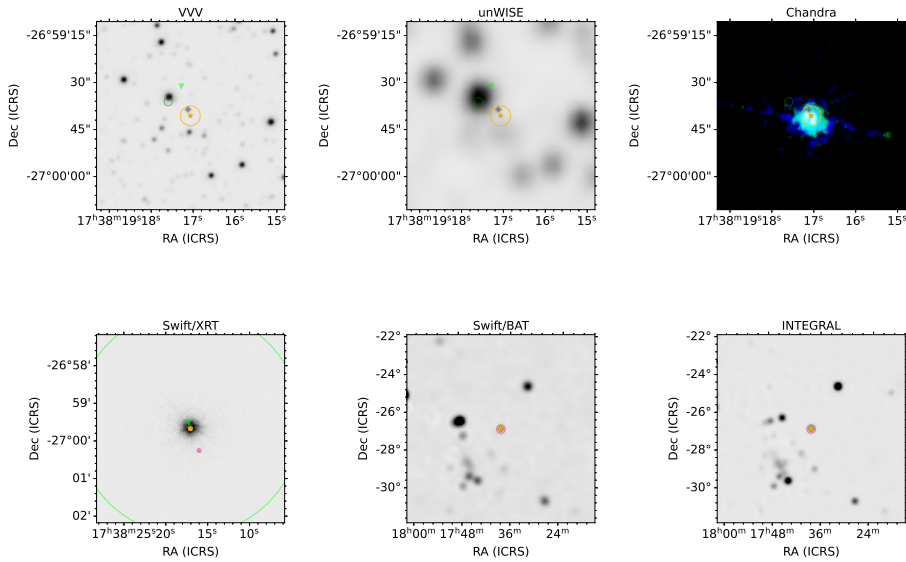
Alternative Name:
X-ray Type: XB
Mean Distance [kpc]: 5.8
Distance Range [kpc]: 4.5 – 7.3
Distance-Reference: Galloway et al. (2008a)
Hydrogen Column density [10^{21}cm^{-2}]: 1.47

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 124.8 - 21600.0
soft X-ray variability: 173.08
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 12.6 - 288.0
hard X-ray variability: 22.86

Optical Counterpart

Gaia DR3 Name:



4U 1735-28

Coordinates

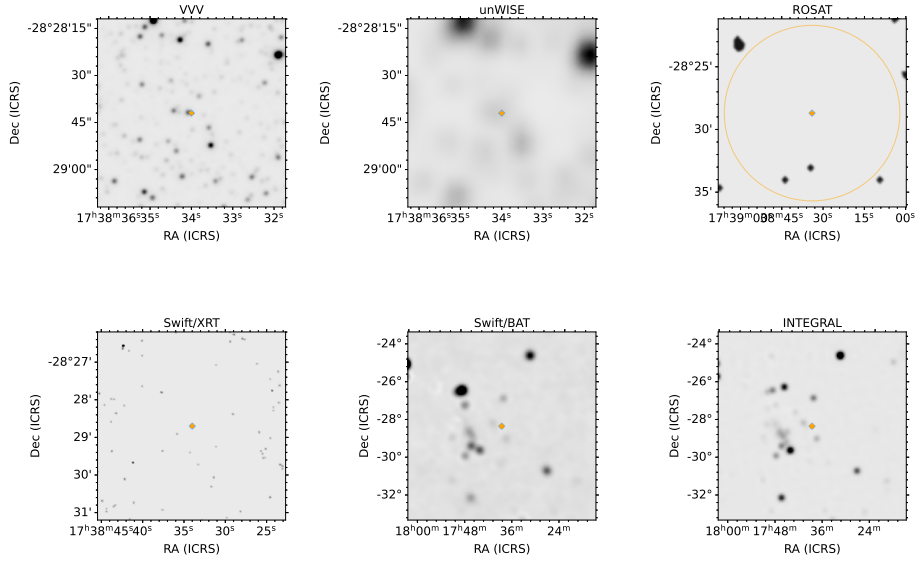
RA: $17^{\text{h}}38^{\text{m}}00.34^{\text{s}}0$
DEC: $-28^{\circ}28'00.42''0$
Position-uncertainty [arcsec]: 4.200×10^2
Galactic-longitude [deg]: 359.57
Galactic-latitude [deg]: 1.56
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 8.5
Distance Range [kpc]: 7.5 – 10.0
Distance-Reference: Campana et al. (1998)

Optical Counterpart

Gaia DR3 Name:



CXOGBS J173838.7-283539

Coordinates

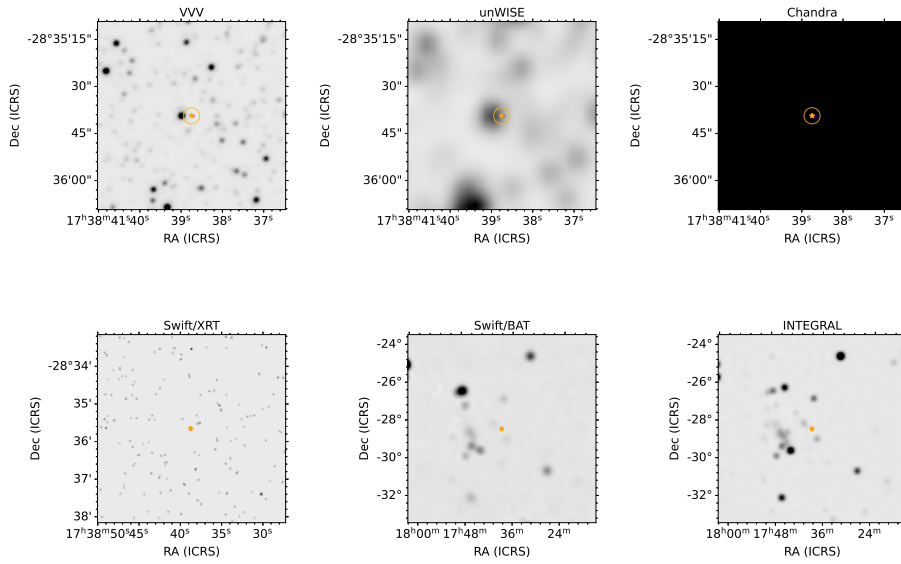
RA: 17^h38^m38^s.751
DEC: −28°35′039″.35
Position-uncertainty [arcsec] : 2.574×10^0
Galactic-longitude [deg]: 359.48
Galactic-latitude [deg]: 1.48
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



4U 1735-44

Coordinates

RA: 17^h38^m58^s.233
DEC: −44°27′00″.82
Position-uncertainty [arcsec] : 1.231×10^{-4}
Galactic-longitude [deg]: 346.05
Galactic-latitude [deg]: −6.99
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

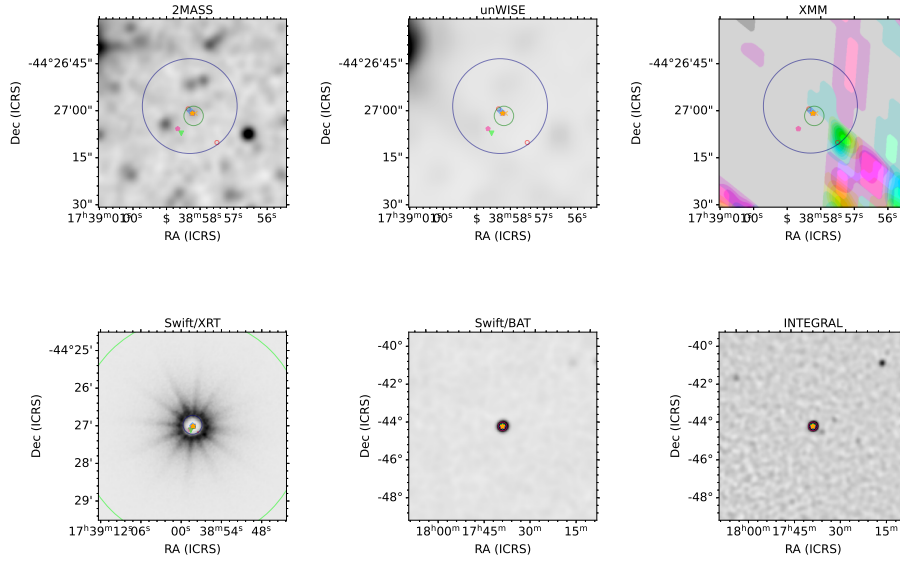
Alternative Name: MXB 1735-44
X-ray Type: RP?, XB, AS
Mean Distance [kpc]: 4.4
Distance Range [kpc]: 4.38 – 4.41
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.4

Compact Object

Orbital Period [d]: 0.19375
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 190.78 - 13560.0
soft X-ray variability: 71.08
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 267.41 - 13560.0
hard X-ray variability: 50.71

Optical Counterpart

Gaia DR3 Name: 5955379701104735104
G [mag]: 17.631(0.007)
V [mag]: 17.5
W1 [mag]: 16.76(0.06)
W2 [mag]: 16.13(0.08)



RX J1739.4-2942*Coordinates*

RA: 17^h39^m29^s.983
DEC: −29°42′08″.716
Position-uncertainty [arcsec]: 8.602×10^{-1}
Galactic-longitude [deg]: 358.65
Galactic-latitude [deg]: 0.73
Coordinate-Reference: Tetarenko et al. (2016a)

Binary System

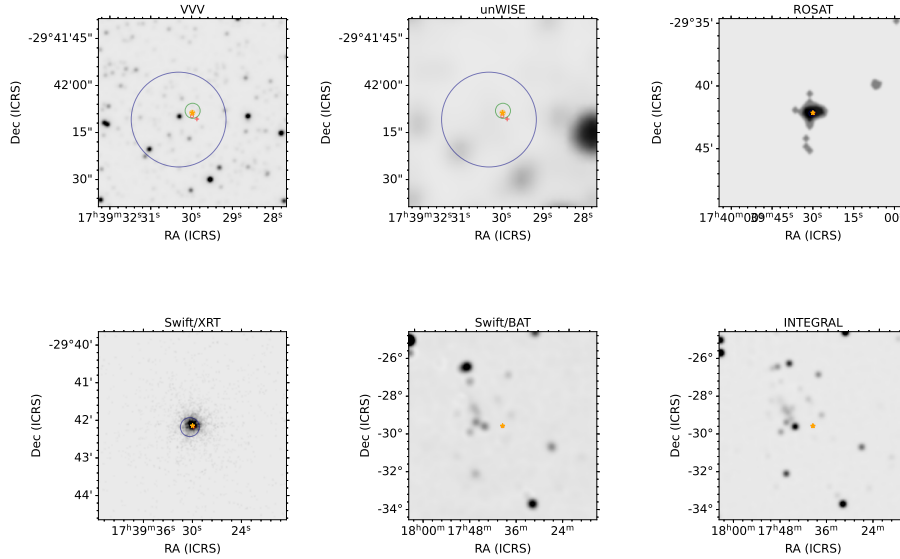
Alternative Name: GRS 1736-297
X-ray Type: XT, BH?, XP?, RP
Mean Distance [kpc]: 8.0
Distance-Reference: Tetarenko et al. (2016a)
Hydrogen Column density [10^{21}cm^{-2}]: 3.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 36.4 - 330.0
soft X-ray variability: 9.07
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.19 - 288.0
hard X-ray variability: 242.02

Optical Counterpart

Gaia DR3 Name:
Spectral Type: Be?
 Belczynski & Ziolkowski (2009)



XTE J1739-285

Coordinates

RA: 17^h39^m53^s.939
DEC: −28°29′46″.429
Position-uncertainty [arcsec]: 1.781×10^0
Galactic-longitude [deg]: 359.71
Galactic-latitude [deg]: 1.3
Coordinate-Reference: Evans et al. (2010)

Binary System

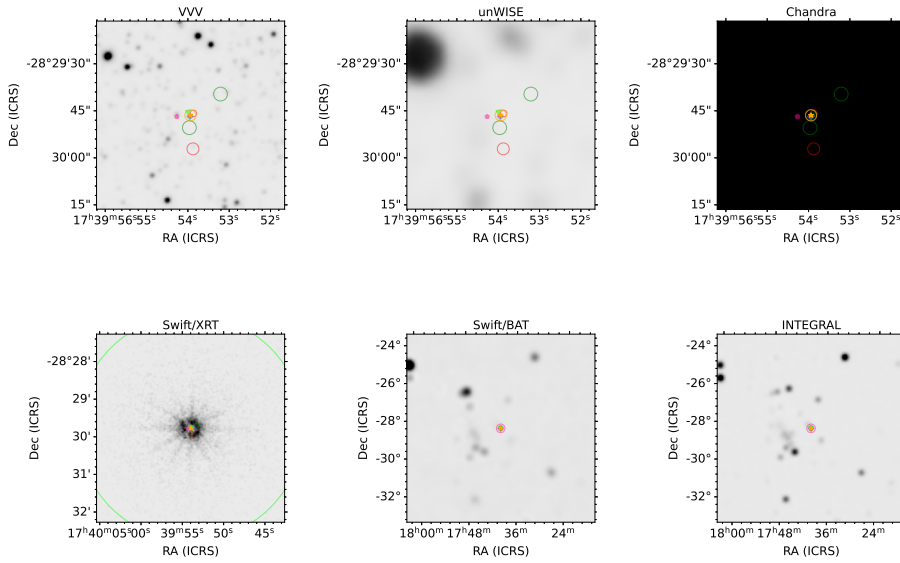
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 4.06
Distance Range [kpc]: 1.62 – 8.31
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 1.73

Compact Object

Pulse Period [s]: 0.00258732212160414
 Bult et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 1870.02
soft X-ray variability: 173296.02
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 16.02 - 680.7
hard X-ray variability: 42.5

Optical Counterpart

Gaia DR3 Name:



Granat 1737-309

Coordinates

RA: 17^h39^m00^s.6

DEC: −30°59′00″.0

Position-uncertainty [arcsec] : 1.200×10^2

Galactic-longitude [deg]: 357.61

Galactic-latitude [deg]: −0.03

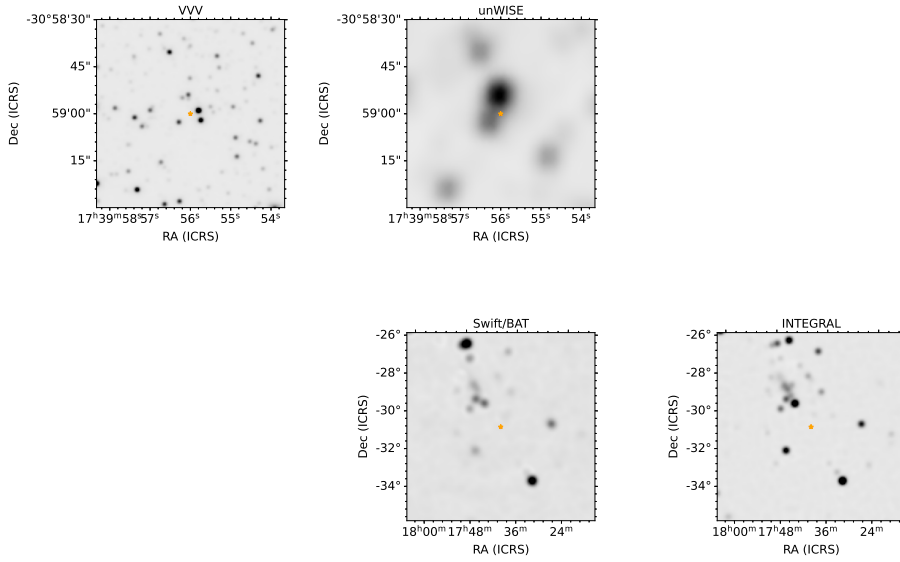
Coordinate-Reference: Trudolyubov et al. (1999)

Binary System

Alternative Name: GRS 1737-31

Optical Counterpart

Gaia DR3 Name:



GRS 1737-31

Coordinates

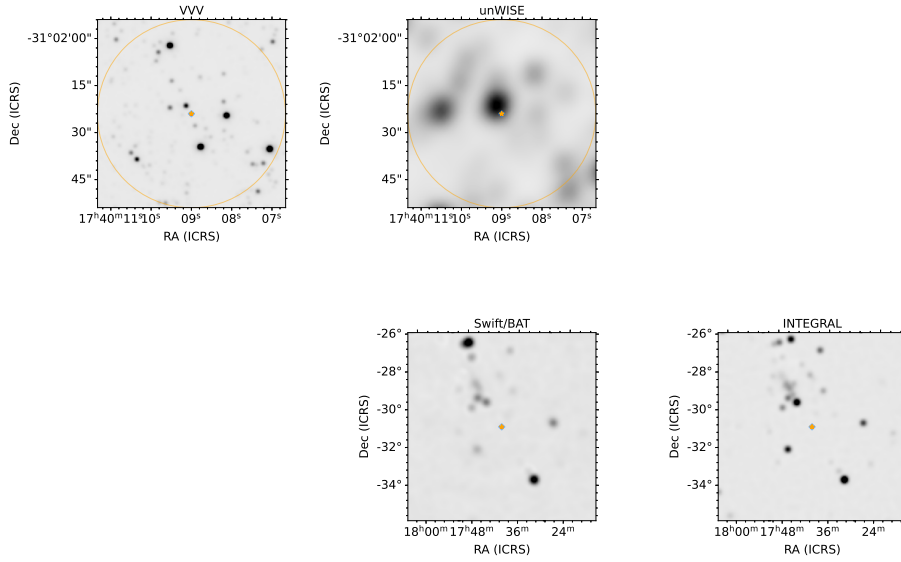
RA: 17^h40^m00^s0
DEC: −31°02′00″0
Position-uncertainty [arcsec] : 3.000×10^1
Galactic-longitude [deg]: 357.59
Galactic-latitude [deg]: −0.1
Coordinate-Reference: Ueda et al. (1997)

Binary System

Alternative Name:
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.5
Distance Range [kpc]: 7.63 – 9.37
Distance-Reference: Jonker et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Optical Counterpart

Gaia DR3 Name:



Swift J174038.1-273712

Coordinates

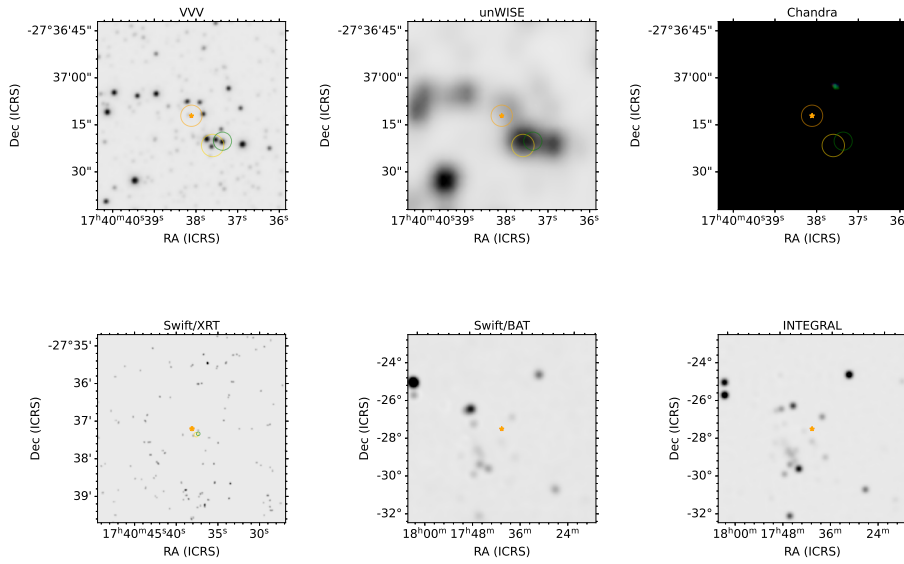
RA: $17^{\text{h}}40^{\text{m}}038^{\text{s}}.11$
DEC: $-27^{\circ}37'00.12''$
Position-uncertainty [arcsec]: 3.400×10^0
Galactic-longitude [deg]: 0.54
Galactic-latitude [deg]: 1.63
Coordinate-Reference: Bahramian et al. (2021)

Binary System

Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Bahramian et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.78

Optical Counterpart

Gaia DR3 Name:



NGC 6397 U24

Coordinates

RA: 17^h40^m41^s.481
DEC: −53°40′004″.79
Position-uncertainty [arcsec] : 2.800×10^{-1}
Galactic-longitude [deg]: 338.17
Galactic-latitude [deg]: −11.96
Coordinate-Reference: Zhao et al. (2020)

Binary System

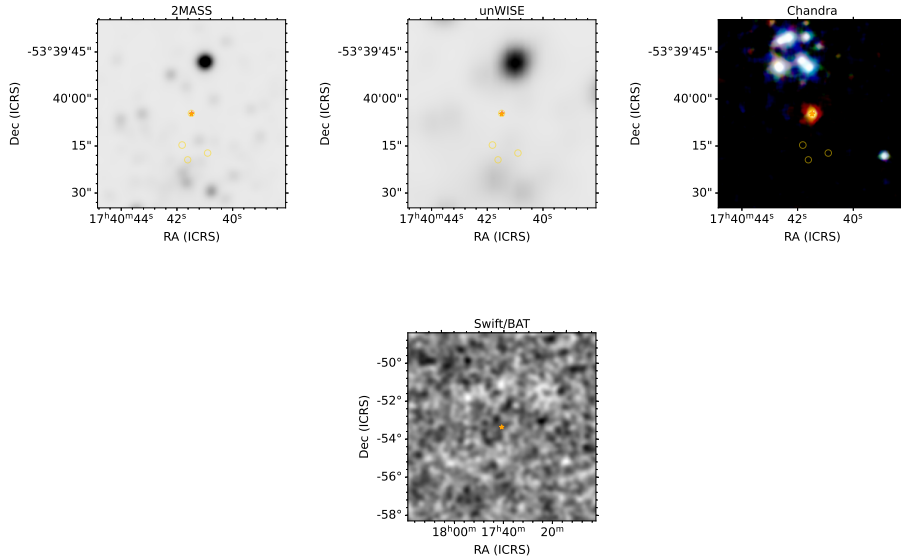
Alternative Name: CXOG1b J174041.4-534004
X-ray Type: GS, QNS, RP?
Mean Distance [kpc]: 2.51
Distance Range [kpc]: 2.44 – 2.58
Distance-Reference: Heinke et al. (2014)
Hydrogen Column density [10^{21}cm^{-2}]: 0.09

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 0.11
soft X-ray variability: 411.78

Optical Counterpart

Gaia DR3 Name:



IGR J17407-2808*Coordinates*

RA: 17^h40^m042^s.01
DEC: −28°07′0025″.0
Position-uncertainty [arcsec]: 1.000×10^{-1}
Galactic-longitude [deg]: 0.12
Galactic-latitude [deg]: 1.35
Coordinate-Reference: Greiss et al. (2011a)

Binary System

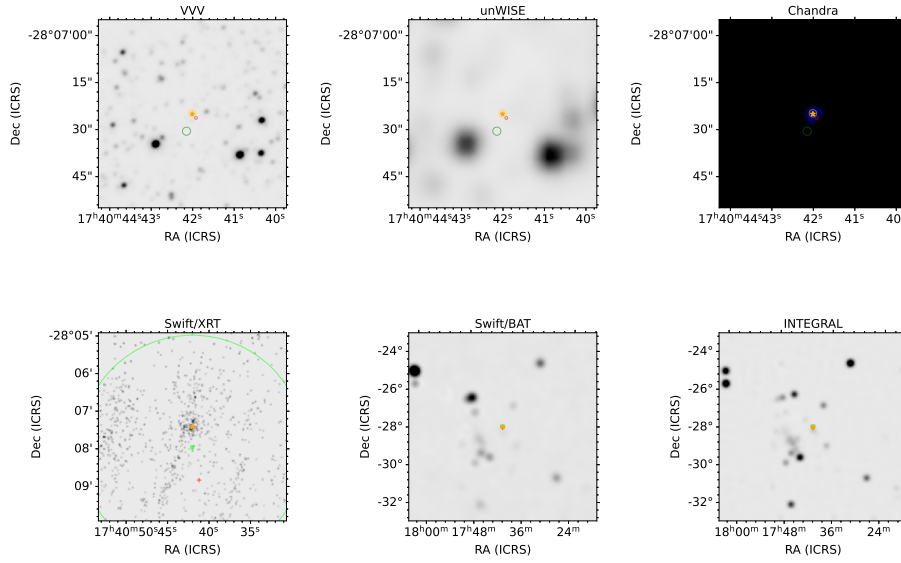
Alternative Name: CXOU J174042.0-280724
X-ray Type: XT
Distance Range [kpc]: 3.8 – 13.0
Distance-Reference: Romano et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 1.5

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.15 - 7200.0
soft X-ray variability: 48517.68
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 14.44 - 19320.0
hard X-ray variability: 1337.67

Optical Counterpart

Gaia DR3 Name:
Spectral Type: F?
 Greiss et al. (2011a)
J [mag]: 16.89(0.14)
H [mag]: 15.95(0.17)
K [mag]: 15.46(0.17)



SLX 1737-282

Coordinates

RA: 17^h40^m42^s.804
DEC: −28°18′08″.131
Position-uncertainty [arcsec]: 1.011×10^0
Galactic-longitude [deg]: 359.97
Galactic-latitude [deg]: 1.25
Coordinate-Reference: Evans et al. (2010)

Binary System

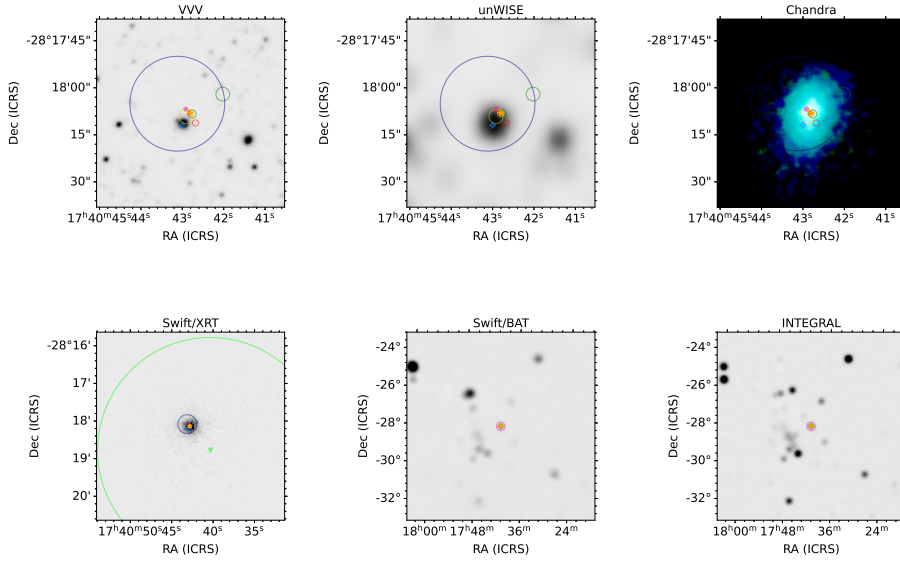
Alternative Name: 2E 1737.5-2817
X-ray Type: XB
Mean Distance [kpc]: 6.5
Distance Range [kpc]: 5.0 – 8.0
Distance-Reference: in't Zand et al. (2002b)
Hydrogen Column density [10^{21}cm^{-2}]: 1.9

Compact Object

Orbital Period [d]: 0.4583333333333333
 Armas Padilla et al. (2018)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 85.03 - 186.0
soft X-ray variability: 2.19
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 45.19 - 186.0
hard X-ray variability: 4.12

Optical Counterpart

Gaia DR3 Name:



GRS 1739-278*Coordinates*

RA: 17^h42^m39^s.965
DEC: −27°44′52″.771
Position-uncertainty [arcsec]: 5.760×10^{-1}
Galactic-longitude [deg]: 0.67
Galactic-latitude [deg]: 1.18
Coordinate-Reference: Webb et al. (2020)

Binary System

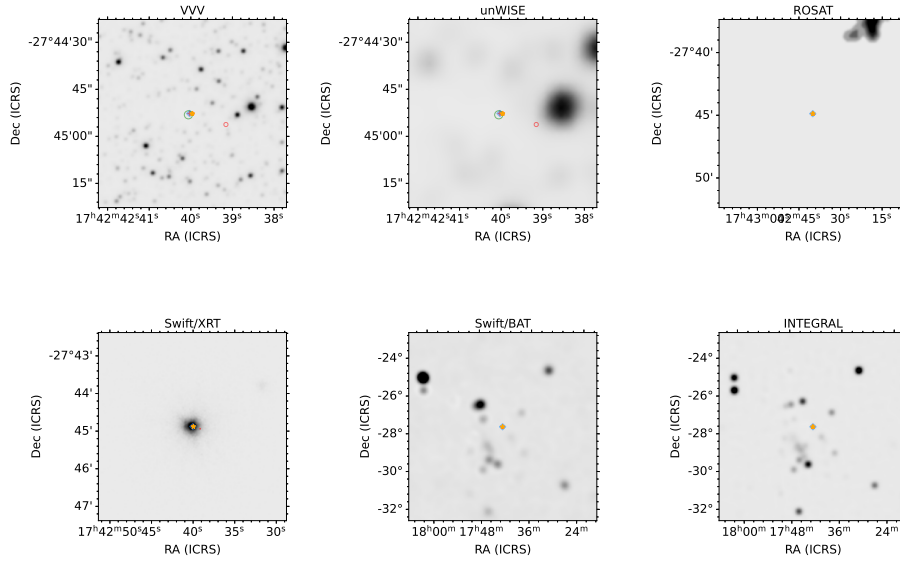
Alternative Name:
X-ray Type: BH, XT, RP
Mean Distance [kpc]: 7.5
Distance Range [kpc]: 6.0 – 8.5
Distance-Reference: Yan & Yu (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 2.5

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 4.0 - 19200.0
soft X-ray variability: 4800.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2.88 - 7200.0
hard X-ray variability: 2500.0

Optical Counterpart

Gaia DR3 Name:
V [mag]: 23.200000762939453
J [mag]: 16.30(0.10)
H [mag]: 15.50(0.20)
K [mag]: 14.70(0.10)



KS 1739-304

Coordinates

RA: 17^h42^m00.44^s
DEC: −30°30′00.51″
Position-uncertainty [arcsec] : 9.600×10^1
Galactic-longitude [deg]: 358.33
Galactic-latitude [deg]: −0.29
Coordinate-Reference: Cherepashchuk et al. (1994)

Binary System

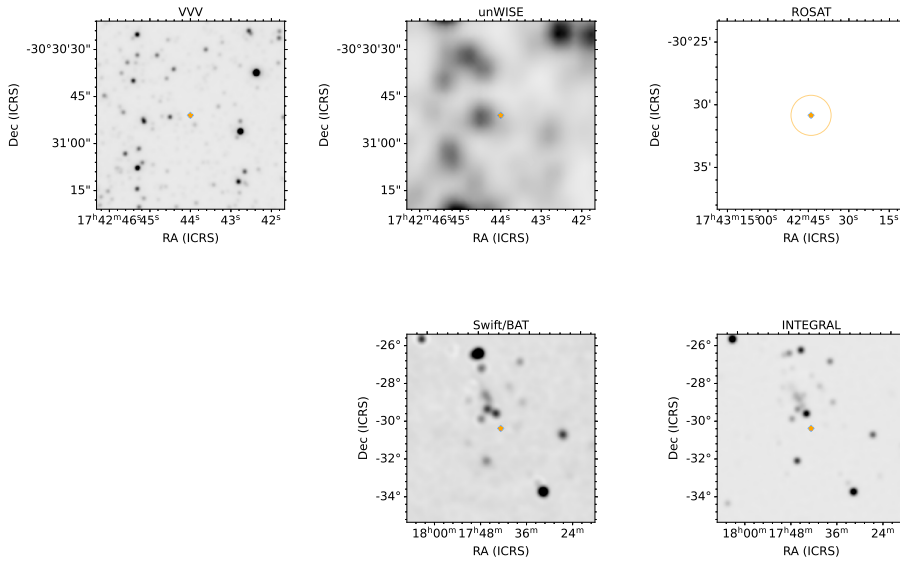
Alternative Name:
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.5
Distance-Reference: Wilson et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 1.4

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.12 - 216.0
soft X-ray variability: 1800.0

Optical Counterpart

Gaia DR3 Name:



CXOGBS J174316.5-274537

Coordinates

RA: 17^h43^m16^s.553
DEC: −27°45′37″.292
Position-uncertainty [arcsec]: 2.067×10^0
Galactic-longitude [deg]: 0.73
Galactic-latitude [deg]: 1.05
Coordinate-Reference: Evans et al. (2010)

Binary System

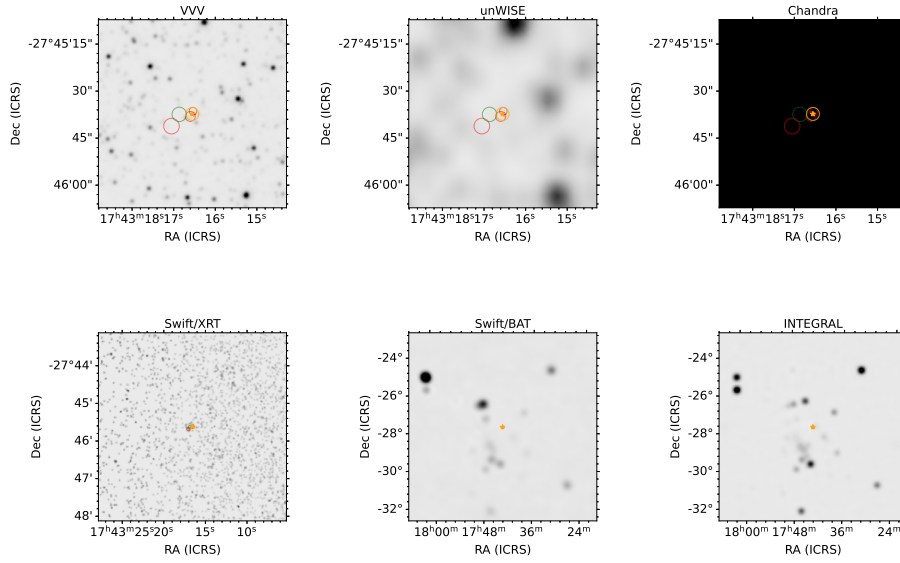
Alternative Name:

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.06 - 0.22
soft X-ray variability: 3.97

Optical Counterpart

Gaia DR3 Name:
Spectral Type: F6
Wu et al. (2015)
J [mag]: 14.832(0.022)
H [mag]: 13.870(0.026)
K [mag]: 13.443(0.027)



GC X-4

Coordinates

RA: 17^h43^m46^s.006
DEC: −29°25′54″.391
Position-uncertainty [arcsec] : 1.267×10^0
Galactic-longitude [deg]: 359.37
Galactic-latitude [deg]: 0.09
Coordinate-Reference: Evans et al. (2010)

Binary System

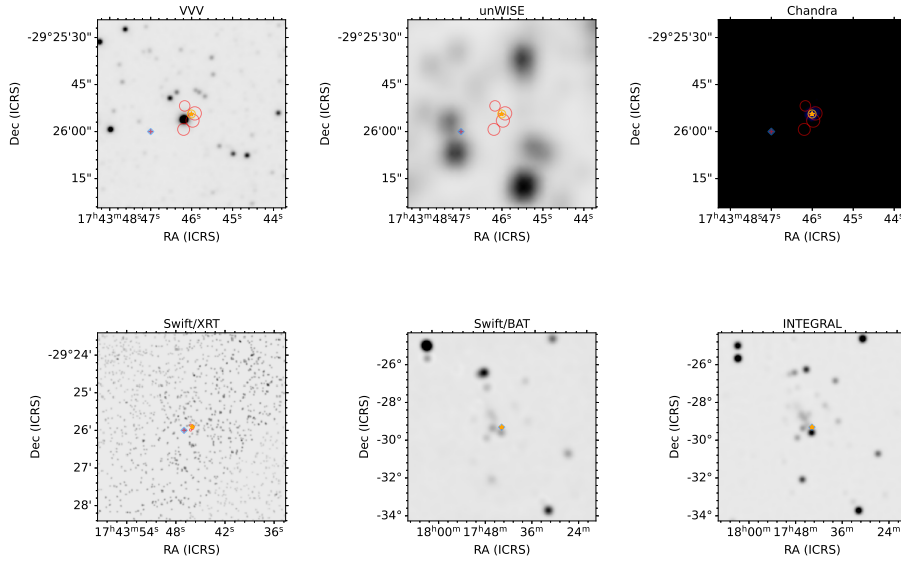
Alternative Name: X 1740-294/1E 1740-294
X-ray Type: XT?
Mean Distance [kpc]: 8.5
Distance-Reference: Cruddace et al. (1978)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.05 - 546.0
soft X-ray variability: 11908.23

Optical Counterpart

Gaia DR3 Name:



CXOGBS J174405.0-263159

Coordinates

RA: 17^h44^m05^s.051

DEC: −26°31′59″.385

Position-uncertainty [arcsec] : 1.625×10^0

Galactic-longitude [deg]: 1.87

Galactic-latitude [deg]: 1.54

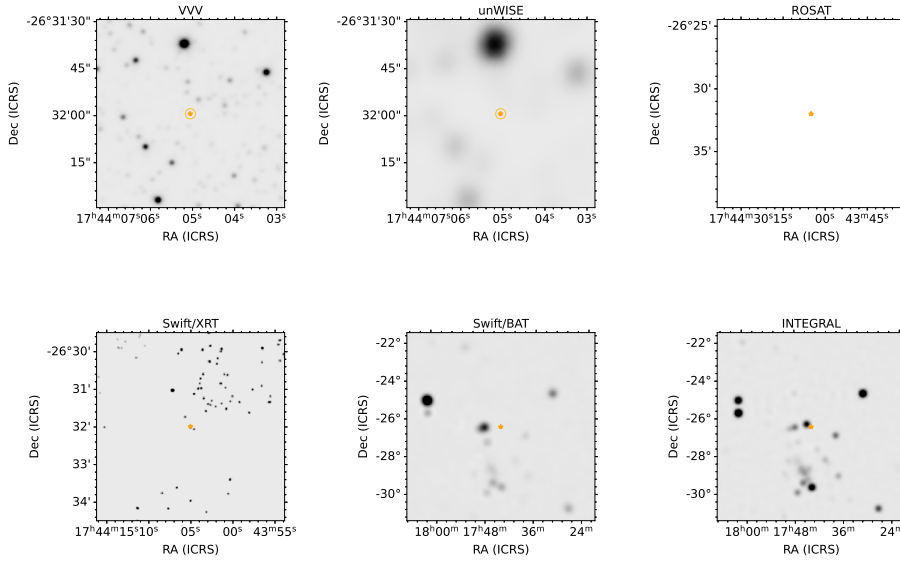
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



Ginga 1741.2-2859

Coordinates

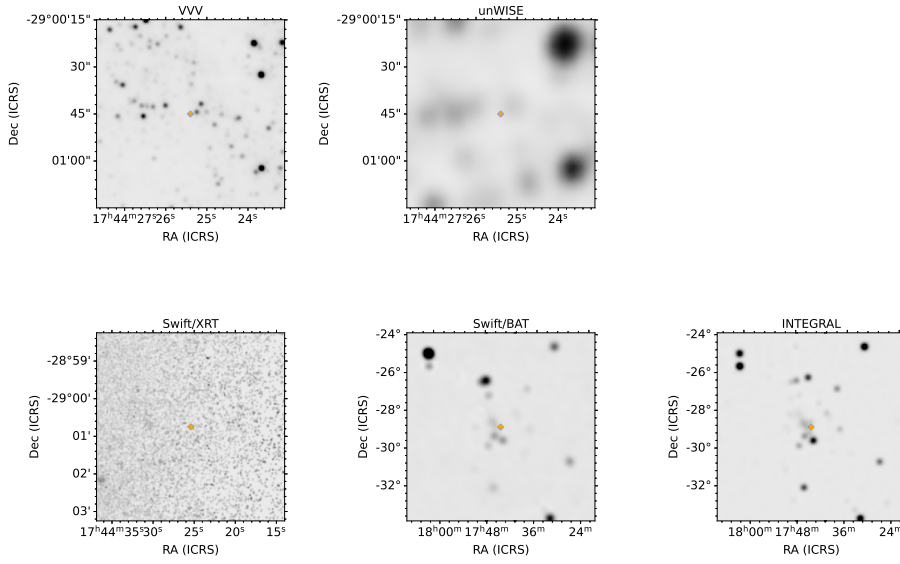
RA: $17^{\text{h}}44^{\text{m}}00.25^{\text{s}}.4$
DEC: $-29^{\circ}00'00.45''.0$
Galactic-longitude [deg]: 359.8
Galactic-latitude [deg]: 0.18
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name: GRS 1741.2-2859
Mean Distance [kpc]: 8.0
Distance-Reference: Campana et al. (1998)
Hydrogen Column density [10^{21}cm^{-2}]: 5.0

Optical Counterpart

Gaia DR3 Name:



IGR J17445-2747*Coordinates*

RA: $17^{\text{h}}44^{\text{m}}30^{\text{s}}.415$
DEC: $-27^{\circ}46'00''.54$
Position-uncertainty [arcsec]: 5.262×10^{-4}
Galactic-longitude [deg]: 0.87
Galactic-latitude [deg]: 0.82
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

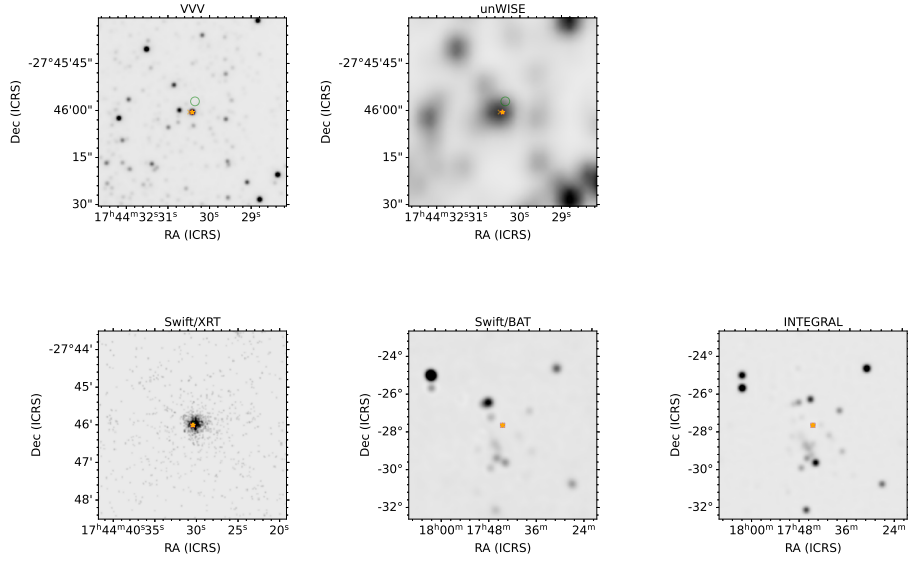
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 5.75
Distance Range [kpc]: 1.44 – 10.51
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 5.6

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.6 – 32.0
soft X-ray variability: 20.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.68 – 39.0
hard X-ray variability: 57.35

Optical Counterpart

Gaia DR3 Name: 4060626256817246720
G [mag]: 19.208(0.004)
J [mag]: 12.53(0.06)
H [mag]: 10.45(0.05)
K [mag]: 9.65(0.06)
W1 [mag]: 9.055(0.018)
W2 [mag]: 9.000(0.015)



GRO J1744-28

Coordinates

RA: 17^h44^m03^s.07
DEC: −28°44′026″.89
Position-uncertainty [arcsec]: 1.000×10^{-1}
Galactic-longitude [deg]: 0.04
Galactic-latitude [deg]: 0.3
Coordinate-Reference: Gosling et al. (2007)

Binary System

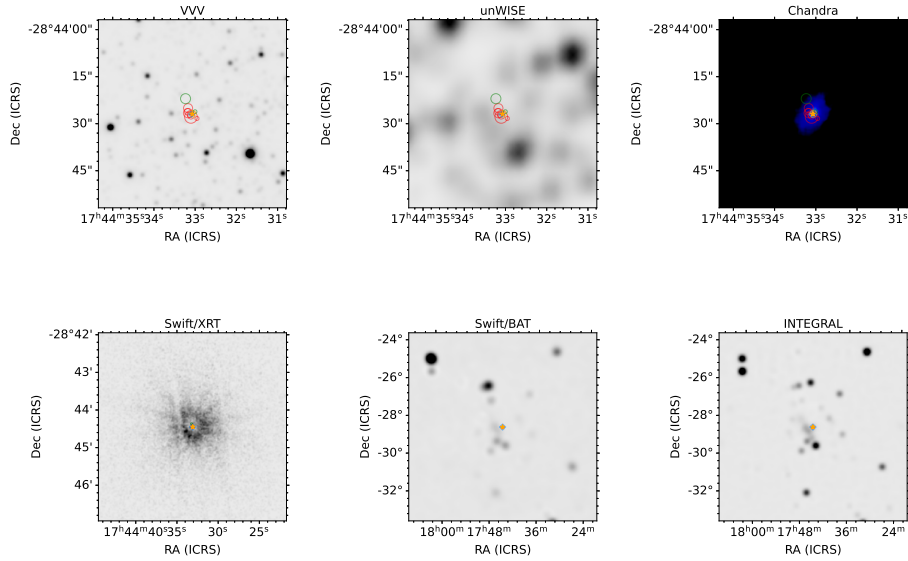
Alternative Name: AX J1744.5-2844
X-ray Type: DS, XP, XB, XT
Mean Distance [kpc]: 7.5
Distance Range [kpc]: 7.05 – 7.95
Distance-Reference: Nishiyama et al. (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 9.0

Compact Object

Orbital Period [d]: 11.834166666666667
 Liu et al. (2007)
Pulse Period [s]: 0.467
 Doroshenko et al. (2020)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 17100.0
soft X-ray variability: 415077.76

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G/K III
 Doroshenko et al. (2020)
J [mag]: 18.15(0.06)
H [mag]: 15.29(0.05)
K [mag]: 13.85(0.15)



XMMU J174445.5-295044*Coordinates*

RA: 17^h44^m045^s.44
DEC: −29°50′44″.462
Position-uncertainty [arcsec]: 8.401×10^{-2}
Galactic-longitude [deg]: 359.13
Galactic-latitude [deg]: −0.31
Coordinate-Reference: Marocco et al. (2021)

Binary System

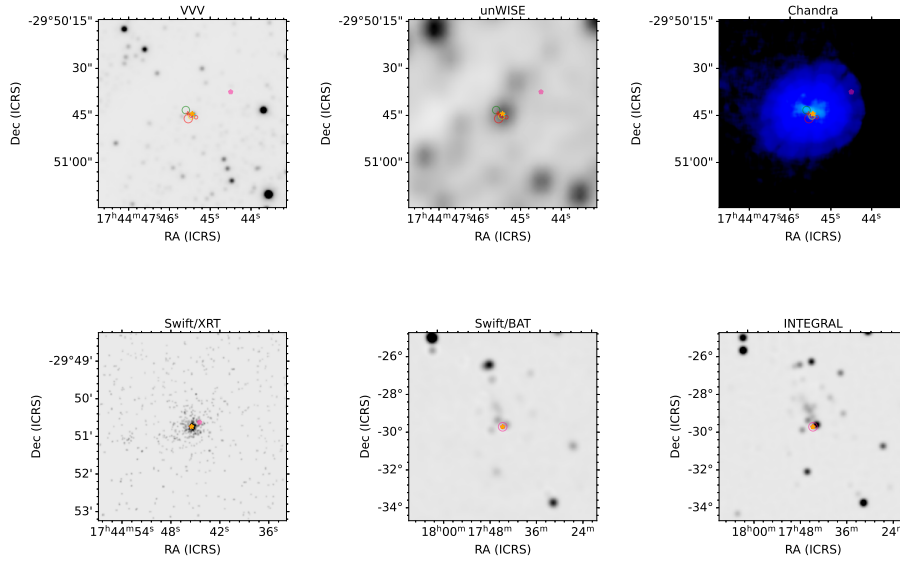
Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 3.1
Distance Range [kpc]: 2.0 – 4.9
Distance-Reference: Bahramian et al. (2014)
Hydrogen Column density [10^{21}cm^{-2}]: 5.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.43 - 250.0
soft X-ray variability: 579.54

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M2 III
Bahramian et al. (2014)
J [mag]: 14.89(0.05)
H [mag]: 11.617(0.035)
K [mag]: 10.166(0.030)
W1 [mag]: 9.400(0.026)
W2 [mag]: 9.225(0.032)



KS 1741-293

Coordinates

RA: 17^h44^m51^s.641
DEC: −29°20′42″.246
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 359.56
Galactic-latitude [deg]: −0.07
Coordinate-Reference: Evans et al. (2010)

Binary System

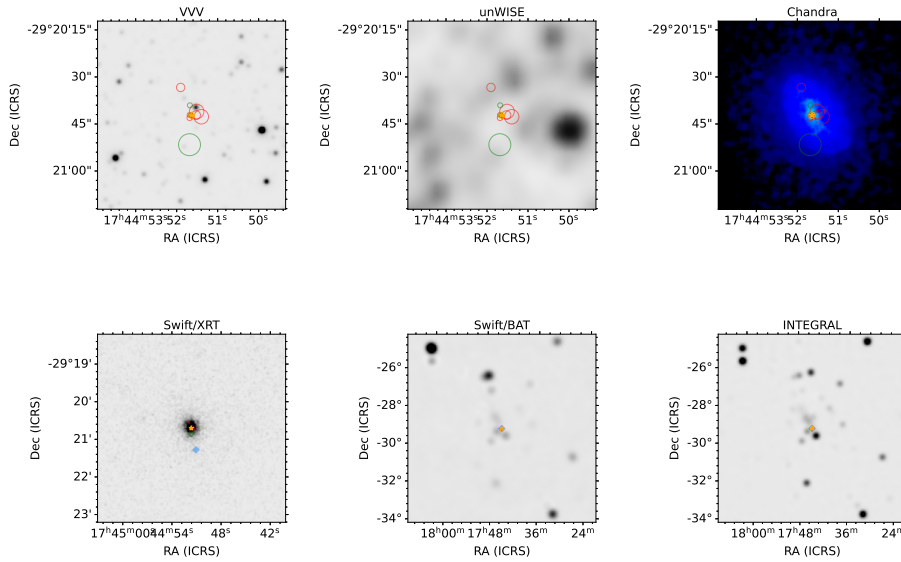
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 6.2
Distance-Reference: Chelovekov & Grebenev (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 17.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.03 - 360.0
soft X-ray variability: 11611.14

Optical Counterpart

Gaia DR3 Name:



XMM J174457-2850.3*Coordinates*

RA: 17^h44^m57^s.453
DEC: −28°50′20″.781
Position-uncertainty [arcsec]: 1.014×10^0
Galactic-longitude [deg]: 0.01
Galactic-latitude [deg]: 0.17
Coordinate-Reference: Evans et al. (2010)

Binary System

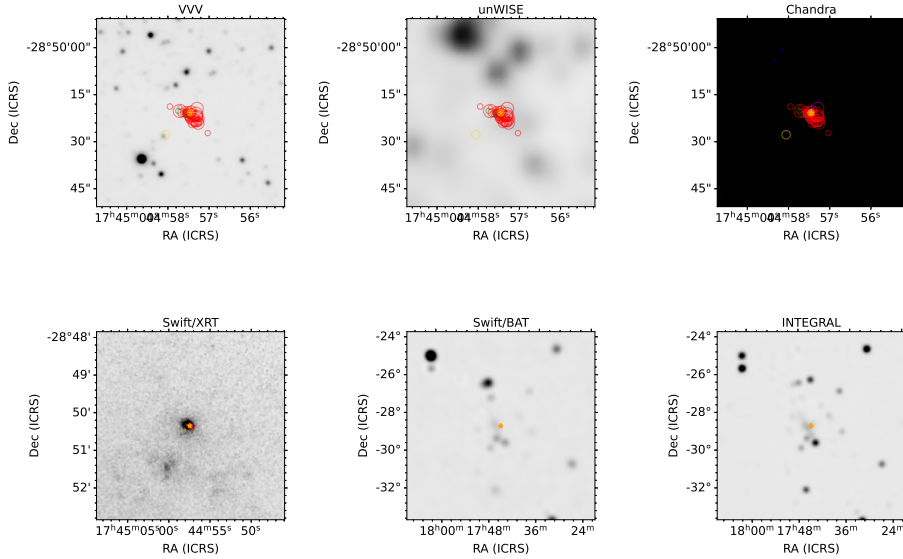
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 6.5
Distance-Reference: Degenaar et al. (2014b)
Hydrogen Column density [10^{21}cm^{-2}]: 11.0

Compact Object

Orbital Period [d]: 0.07083333333333333
 Stoop et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 38.54
soft X-ray variability: 12705.77

Optical Counterpart

Gaia DR3 Name:



GRS 1741.9-2853

Coordinates

RA: 17^h45^m02^s.324
DEC: −28°54′49″.892
Position-uncertainty [arcsec]: 1.007×10^0
Galactic-longitude [deg]: 359.95
Galactic-latitude [deg]: 0.12
Coordinate-Reference: Evans et al. (2010)

Binary System

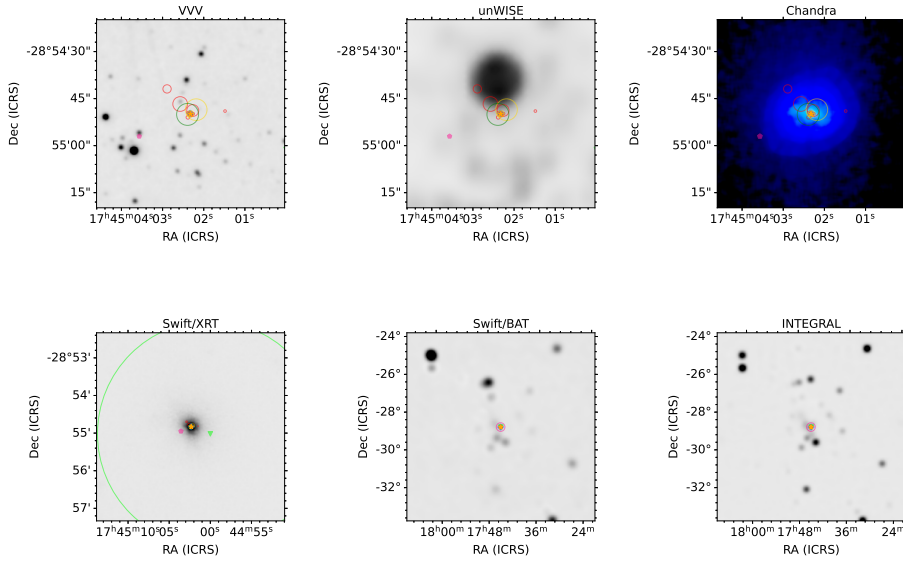
Alternative Name: AX J1745.0-2855
X-ray Type: XB, XT
Mean Distance [kpc]: 7.8
Distance Range [kpc]: 5.5 – 9.5
Distance-Reference: Pike et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 6.6

Compact Object

Pulse Period [s]: 0.001697792869269949
 Patruno et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 200.75
soft X-ray variability: 5203.02
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 4.16 - 40.9
hard X-ray variability: 9.83

Optical Counterpart

Gaia DR3 Name:



IGR J17451-3022*Coordinates*

RA: 17^h45^m00.06^s.7
DEC: −30°22′00.43″.3
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 358.71
Galactic-latitude [deg]: −0.66
Coordinate-Reference: Evans et al. (2010)

Binary System

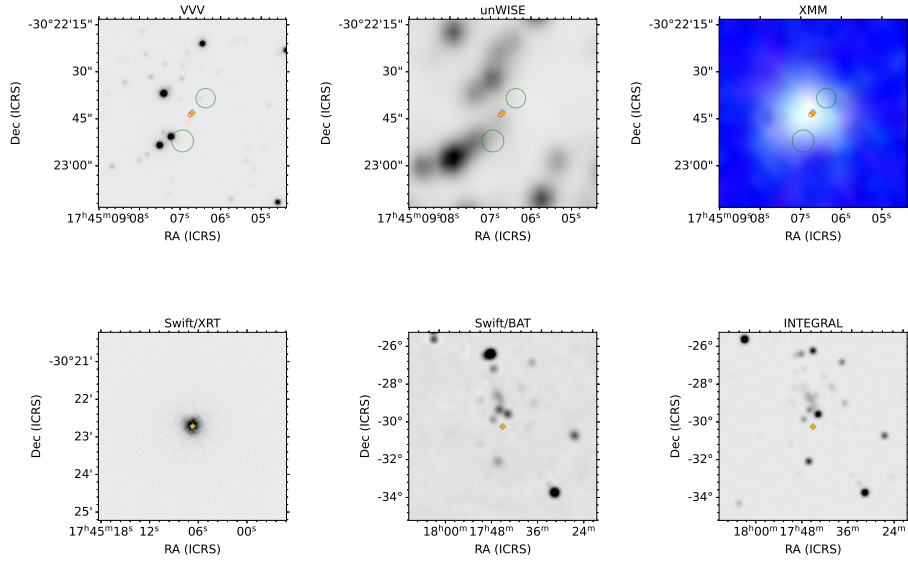
Alternative Name:
X-ray Type: XT, DS, EB

Compact Object

Orbital Period [d]: 0.26184
 Ritter & Kolb (2003)
soft-band flux [10^{-12} erg/cm²/s]: 4.63 - 294.5
soft X-ray variability: 63.66

Optical Counterpart

Gaia DR3 Name:
K [mag]: 17.59(0.14)



SWIFT J174510.8-262411

Coordinates

RA: 17^h45^m010^s.85
DEC: −26°24′0012″.6
Position-uncertainty [arcsec] : 3.000×10^{-1}
Galactic-longitude [deg]: 2.11
Galactic-latitude [deg]: 1.4
Coordinate-Reference: Muñoz-Darias et al. (2013)

Binary System

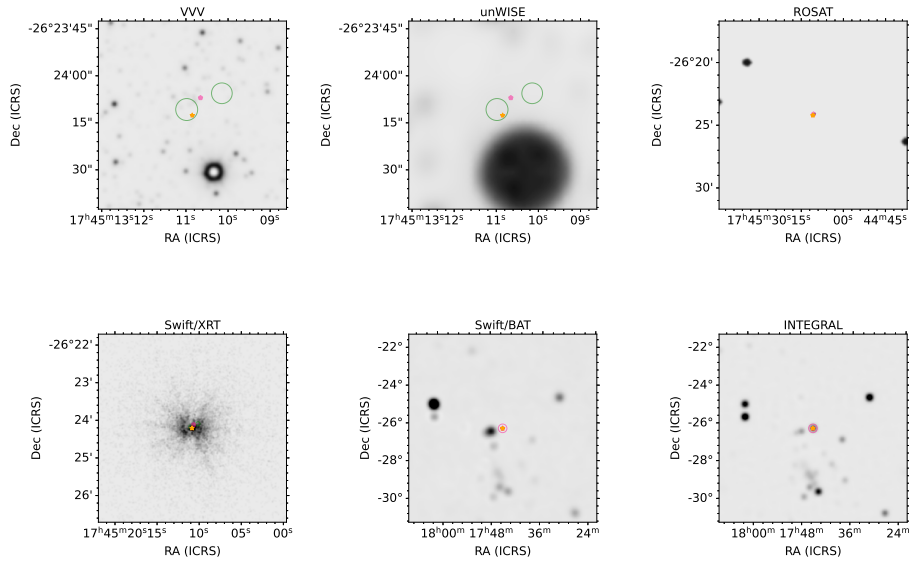
Alternative Name:
X-ray Type: XT, BH?, MQ?, RP?
Distance-Reference: Muñoz-Darias et al. (2013)
Hydrogen Column density [10^{21}cm^{-2}]: 1.7

Compact Object

Orbital Period [d]: 0.875
 Muñoz-Darias et al. (2013)
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1512.0 - 14808.0
hard X-ray variability: 9.79

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K0V
 López et al. (2019)
G [mag]: 21.29(0.12)
V [mag]: 20.00(0.20)
K [mag]: 18.63(0.15)



1E 1742.2-2857*Coordinates*

RA: 17^h45^m00.26^s6
DEC: −28°59′00.00″0
Position-uncertainty [arcsec] : 2.400×10^2
Galactic-longitude [deg]: 359.94
Galactic-latitude [deg]: 0.01
Coordinate-Reference: Ebisawa et al. (2003)

Binary System

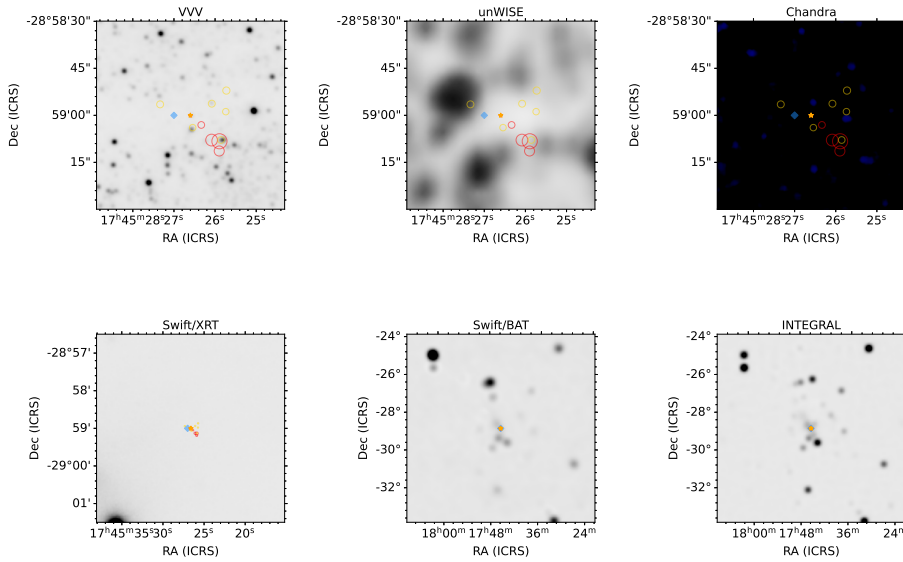
Alternative Name:
Mean Distance [kpc]: 8.5
Distance-Reference: Watson et al. (1981)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.28 - 3.17
soft X-ray variability: 11.32

Optical Counterpart

Gaia DR3 Name:



IGR J17454-2919

Coordinates

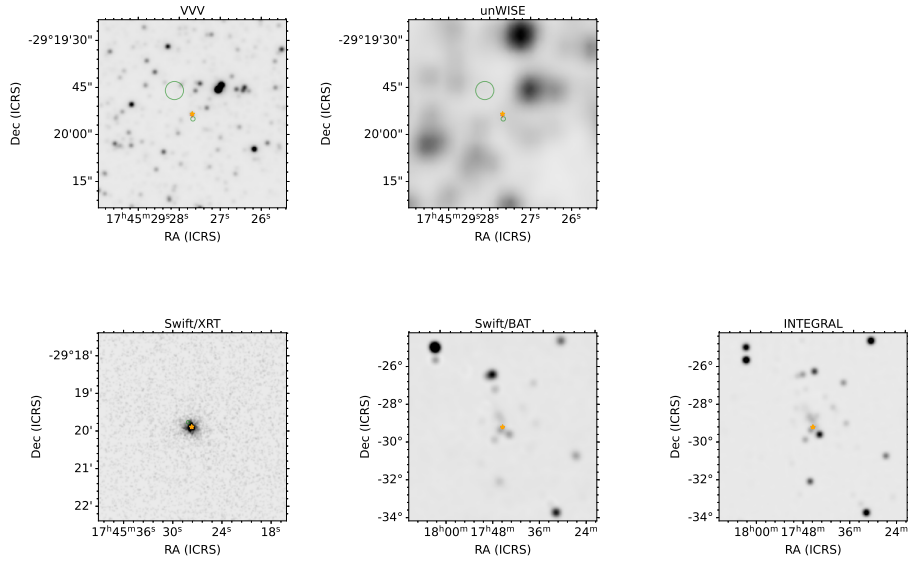
RA: 17^h45^m27^s.684
DEC: −29°19′053″.45
Position-uncertainty [arcsec] : 1.131×10^{-1}
Galactic-longitude [deg]: 359.64
Galactic-latitude [deg]: −0.18
Coordinate-Reference: Cutri et al. (2003)

Binary System

Alternative Name:
X-ray Type: BH?, XT
Mean Distance [kpc]: 8.0
Distance-Reference: Paizis et al. (2015)
Hydrogen Column density [10^{21} cm^{-2}]: 11.0

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M-K?
Paizis et al. (2015)
J [mag]: 16.227
H [mag]: 13.04(0.07)
K [mag]: 11.365(0.026)



GPS 1742-326

Coordinates

RA: 17^h45^m00.29^s0
DEC: −32°41′00.36″0
Galactic-longitude [deg]: 356.78
Galactic-latitude [deg]: −1.93
Coordinate-Reference: Liu et al. (2007)

Binary System

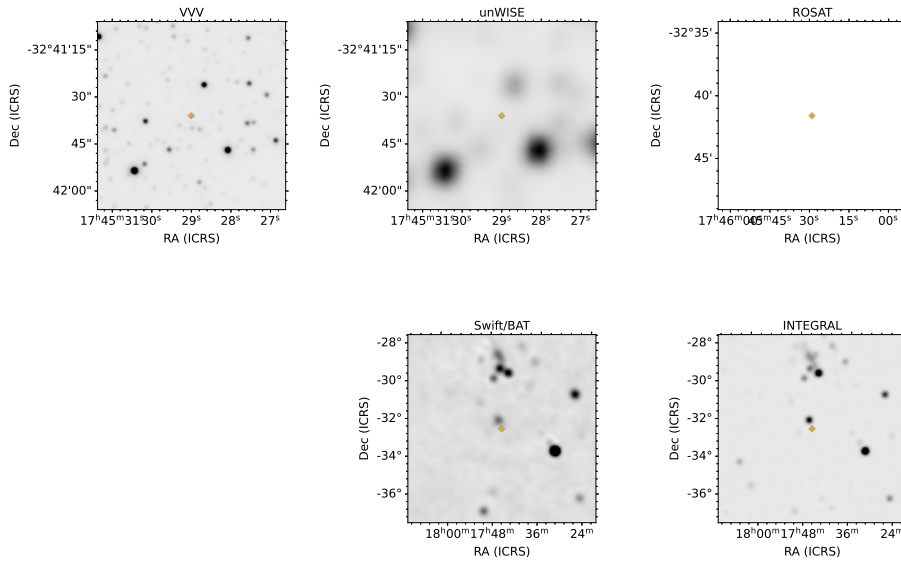
Alternative Name:
Mean Distance [kpc]: 8.5
Distance-Reference: Yamauchi & Koyama (1990)
Hydrogen Column density [10^{21}cm^{-2}]: 2.57

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 36.4 - 120.0
soft X-ray variability: 3.3

Optical Counterpart

Gaia DR3 Name:



AX J1745.6-2901

Coordinates

RA: 17^h45^m35^s.563
DEC: −29°01′24″.052
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 359.92
Galactic-latitude [deg]: −0.04
Coordinate-Reference: Evans et al. (2010)

Binary System

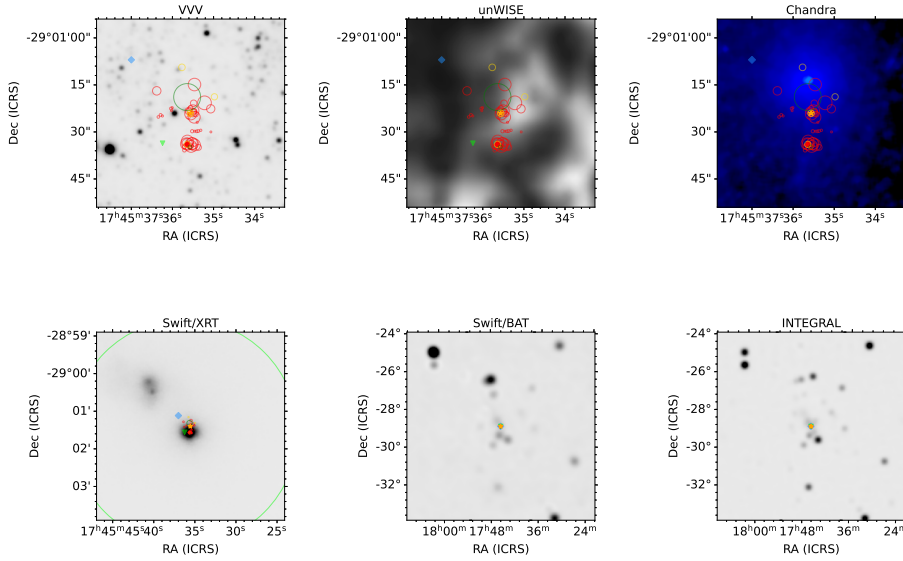
Alternative Name: J1745-2901
X-ray Type: EB, XB, XT, RP
Mean Distance [kpc]: 8.3
Distance-Reference: Ponti et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 22.0

Compact Object

Orbital Period [d]: 0.3481666666666667
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 327.63
soft X-ray variability: 107680.22
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2.78 - 71.79
hard X-ray variability: 25.82

Optical Counterpart

Gaia DR3 Name:



CXOGC J174535.5-290124

Coordinates

RA: 17^h45^m035^s.58
DEC: −29°01′0024″.1
Position-uncertainty [arcsec] : 6.000×10^{-1}
Galactic-longitude [deg]: 359.92
Galactic-latitude [deg]: −0.04
Coordinate-Reference: Evans et al. (2010)

Binary System

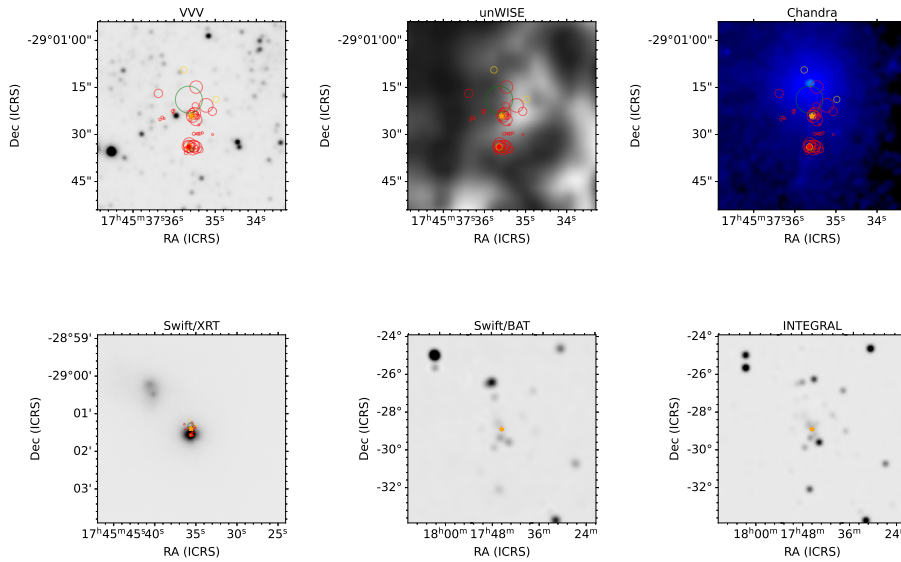
Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Degenaar et al. (2012c)
Hydrogen Column density [10^{21}cm^{-2}]: 15.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 48.79
soft X-ray variability: 20913.45

Optical Counterpart

Gaia DR3 Name:



Swift J174535.5-285921

Coordinates

RA: 17^h45^m35^s.746
DEC: -28°59′029″.06
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 359.95
Galactic-latitude [deg]: -0.02
Coordinate-Reference: Evans et al. (2010)

Binary System

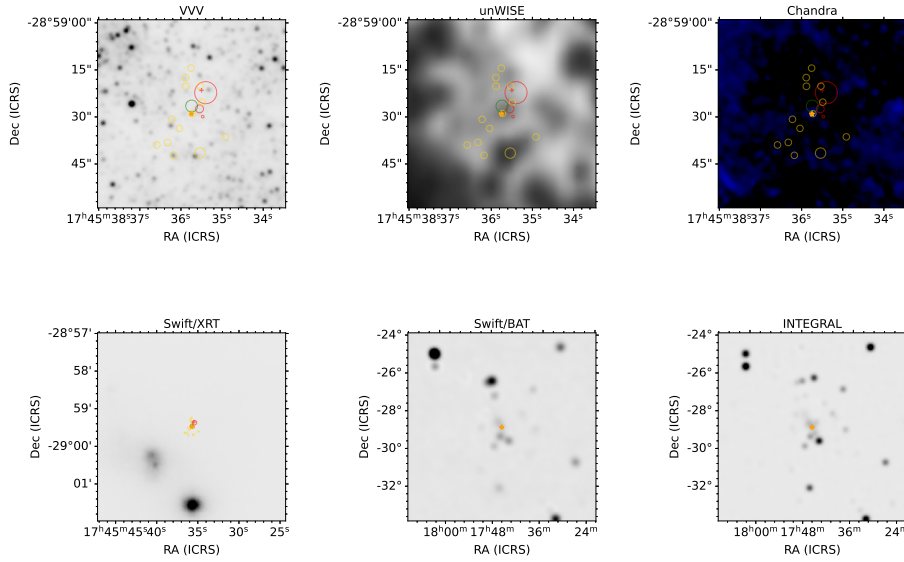
Alternative Name: CXOGC J174535.6-285928
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Chakrabarty et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 5.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.08 - 0.8
soft X-ray variability: 9.55

Optical Counterpart

Gaia DR3 Name:



GC X-2

Coordinates

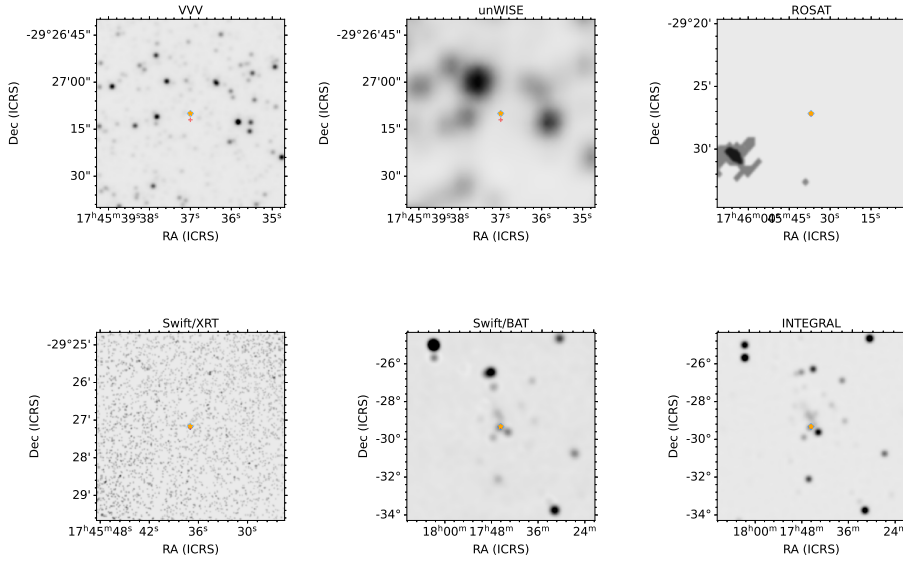
RA: $17^{\text{h}}45^{\text{m}}00.37^{\text{s}}0$
DEC: $-29^{\circ}27'00.10''0$
Galactic-longitude [deg]: 359.56
Galactic-latitude [deg]: -0.27
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name: X1742-294
Mean Distance [kpc]: 8.5
Distance-Reference: Cruddace et al. (1978)
Hydrogen Column density [10^{21}cm^{-2}]: 5.0

Optical Counterpart

Gaia DR3 Name:



CXOGC J174538.0-290022

Coordinates

RA: 17^h45^m38^s.066
DEC: −29°00′22″.284
Position-uncertainty [arcsec]: 1.051×10^0
Galactic-longitude [deg]: 359.94
Galactic-latitude [deg]: −0.04
Coordinate-Reference: Evans et al. (2010)

Binary System

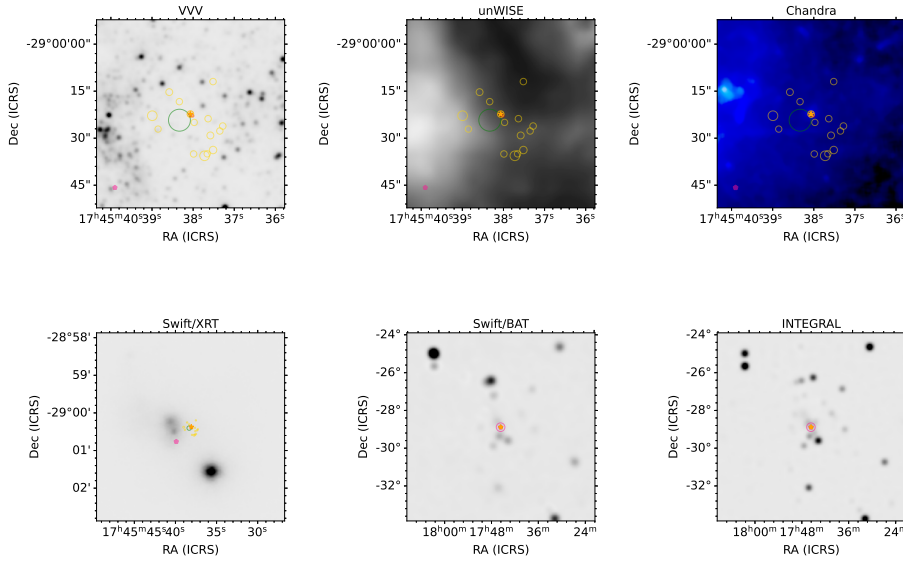
Alternative Name:
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Reynolds et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 20.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.03 - 1.38
soft X-ray variability: 41.7

Optical Counterpart

Gaia DR3 Name:



CXOGC J174540.0-290031*Coordinates*

RA: 17^h45^m04^s.03
DEC: -29°00'00.31''
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 359.94
Galactic-latitude [deg]: -0.05
Coordinate-Reference: Evans et al. (2010)

Binary System

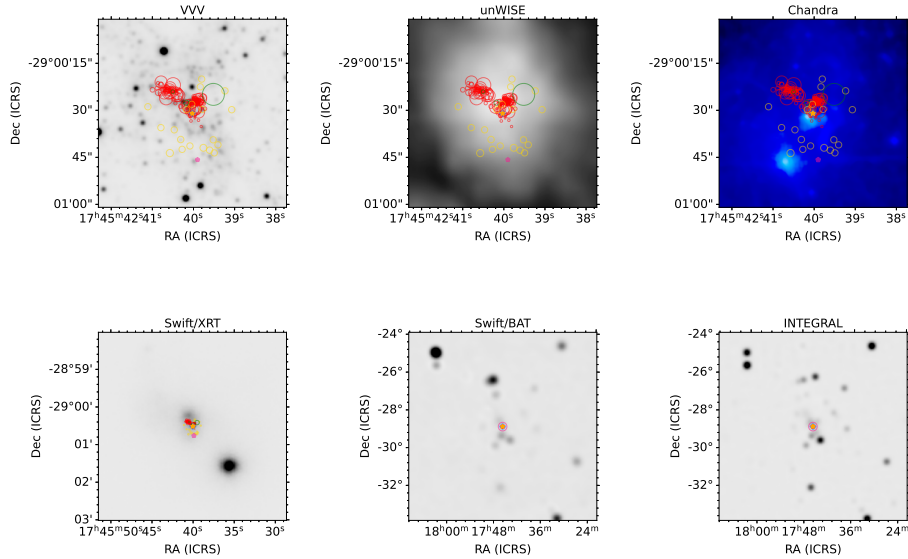
Alternative Name: J1745-2900
X-ray Type: RP?, XT, MQ?, EB, BH?
Mean Distance [kpc]: 7.94
Distance-Reference: Porquet et al. (2005)
Hydrogen Column density [10^{21} cm^{-2}]: 6.0

Compact Object

Orbital Period [d]: 0.3291666666666666
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{ erg/cm}^2/\text{s}$]: 0.55 - 102.55
soft X-ray variability: 186.22

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K0?
 Porquet et al. (2005)



CXOGC J174540.0-290005

Coordinates

RA: 17^h45^m04^s.07
DEC: −29°00′00^s.8
Position-uncertainty [arcsec] : 1.000×10^{-1}
Galactic-longitude [deg]: 359.95
Galactic-latitude [deg]: −0.04
Coordinate-Reference: Evans et al. (2010)

Binary System

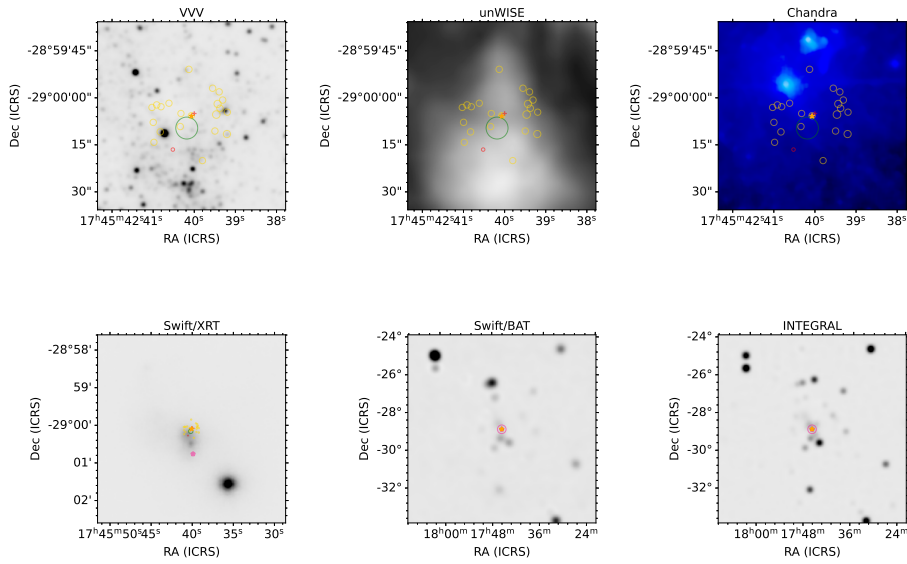
Alternative Name: Swift J174540.2-290005
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Degenaar et al. (2017)
Hydrogen Column density [10^{21} cm^{-2}]: 16.0

Compact Object

Orbital Period [d]: 0.05833333333333333
 Stoop et al. (2021)

Optical Counterpart

Gaia DR3 Name:



2E 1742.5-2858

Coordinates

RA: $17^{\text{h}}45^{\text{m}}04^{\text{s}}.07$
DEC: $-29^{\circ}00'05''.705$
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 359.95
Galactic-latitude [deg]: -0.04
Coordinate-Reference: Evans et al. (2010)

Binary System

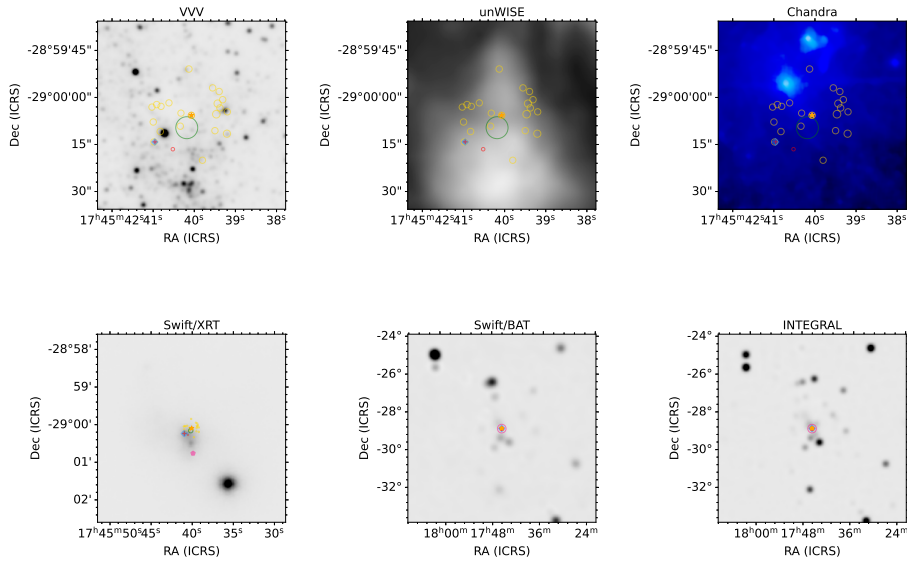
Alternative Name: CXOGC J174540.9-290014
Mean Distance [kpc]: 8.5
Distance-Reference: Predehl & Truemper (1994)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.06 - 18.2
soft X-ray variability: 3.6

Optical Counterpart

Gaia DR3 Name:



SWIFT J174540.7-290015

Coordinates

RA: 17^h45^m40^s.664
DEC: −29°00′015″.61
Position-uncertainty [arcsec] : 4.876×10^{-1}
Galactic-longitude [deg]: 359.95
Galactic-latitude [deg]: −0.05
Coordinate-Reference: Evans et al. (2010)

Binary System

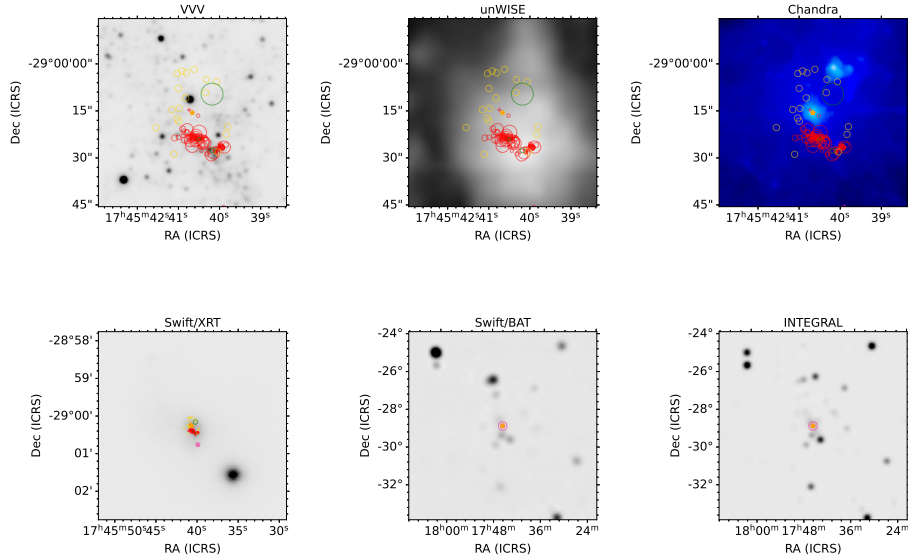
Alternative Name: CXOGC J174540.6-290015
X-ray Type: XT, RP?
Mean Distance [kpc]: 8.0
Distance-Reference: Ponti et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 10.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.55 - 246.19
soft X-ray variability: 447.05

Optical Counterpart

Gaia DR3 Name:
J [mag]: 17.16(0.07)
H [mag]: 12.804(0.016)
K [mag]: 10.540(0.018)



1E 1742.5-2845

Coordinates

RA: 17^h45^m00.42^s9
DEC: −28°46′00.53″0
Galactic-longitude [deg]: 0.14
Galactic-latitude [deg]: 0.06
Coordinate-Reference: Liu et al. (2007)

Binary System

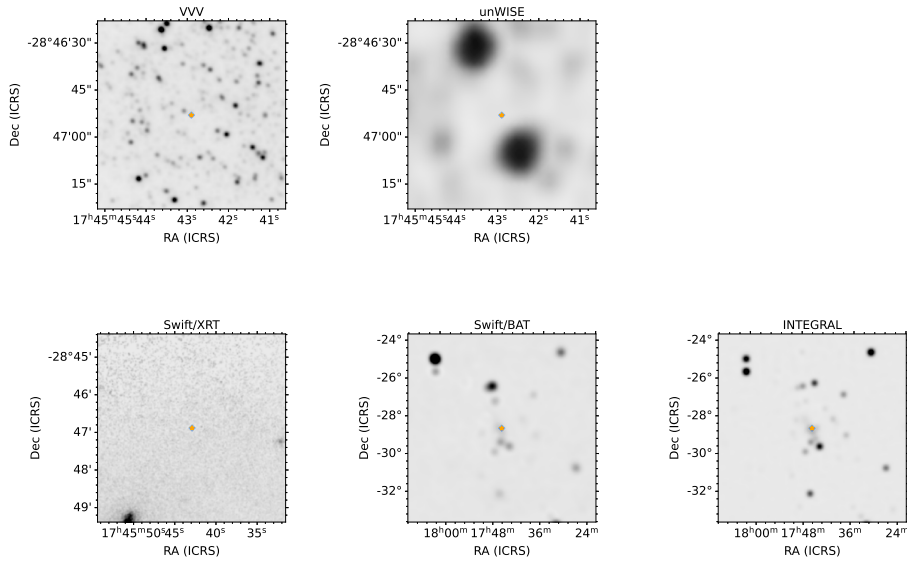
Alternative Name:
Mean Distance [kpc]: 8.5
Distance-Reference: Watson et al. (1981)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12}\text{erg/cm}^2/\text{s}$]: 0.22 - 4.76
soft X-ray variability: 21.64

Optical Counterpart

Gaia DR3 Name:



XMM J174544-2913.0

Coordinates

RA: 17^h45^m44^s.543
DEC: -29°13′01″.538
Position-uncertainty [arcsec] : 8.485×10^{-2}
Galactic-longitude [deg]: 359.77
Galactic-latitude [deg]: -0.17
Coordinate-Reference: Cutri et al. (2003)

Binary System

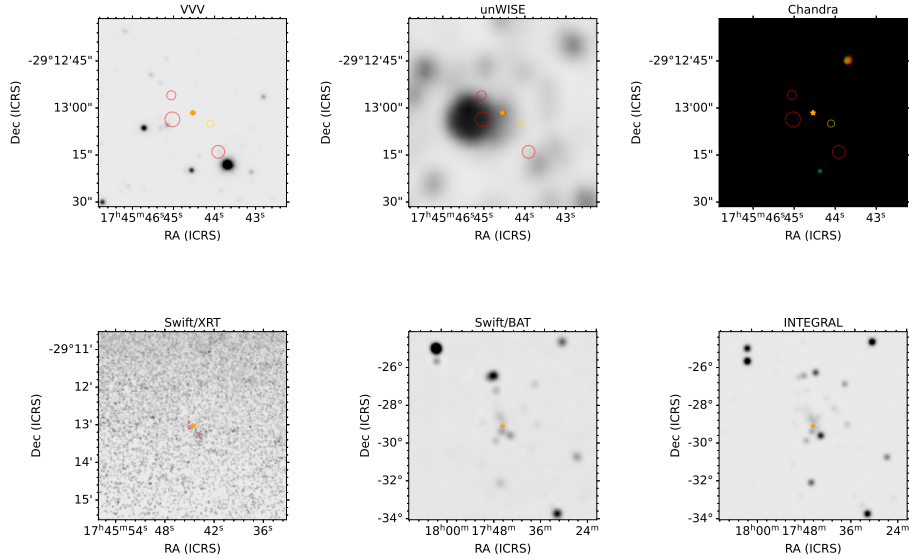
Alternative Name:
X-ray Type: XT

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.01 - 6.14
soft X-ray variability: 911.72

Optical Counterpart

Gaia DR3 Name:
J [mag]: 15.19(0.05)
H [mag]: 11.065(0.021)
K [mag]: 8.715(0.023)



MXB 1743-29

Coordinates

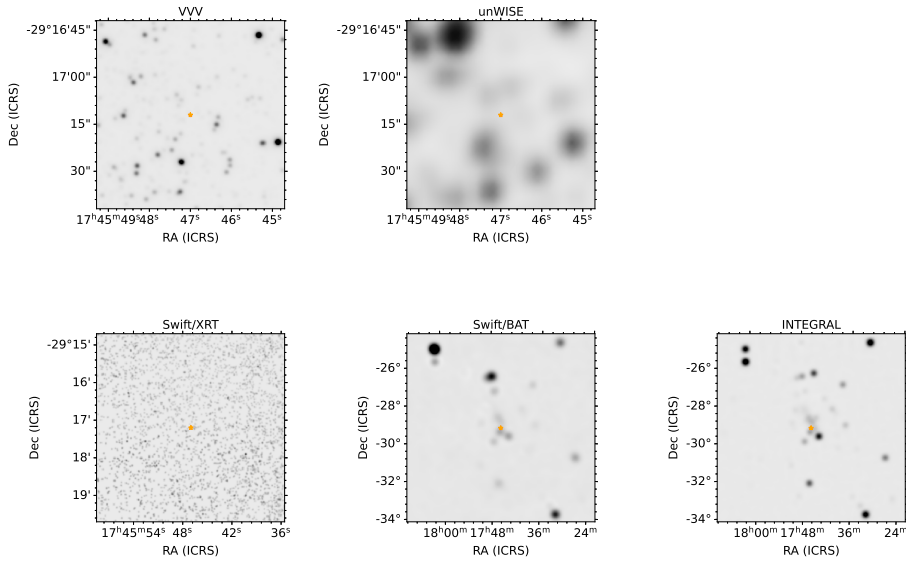
RA: $17^{\text{h}}45^{\text{m}}00.47^{\text{s}}0$
DEC: $-29^{\circ}17'00.12''0$
Galactic-longitude [deg]: 359.72
Galactic-latitude [deg]: -0.21
Coordinate-Reference: Emelyanov et al. (2000)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



1E 1742.7-2902

Coordinates

RA: 17^h45^m00.52^s9
DEC: -29°03'00.22''0
Position-uncertainty [arcsec] : 1.200×10^2
Galactic-longitude [deg]: 359.93
Galactic-latitude [deg]: -0.11
Coordinate-Reference: Liu et al. (2007)

Binary System

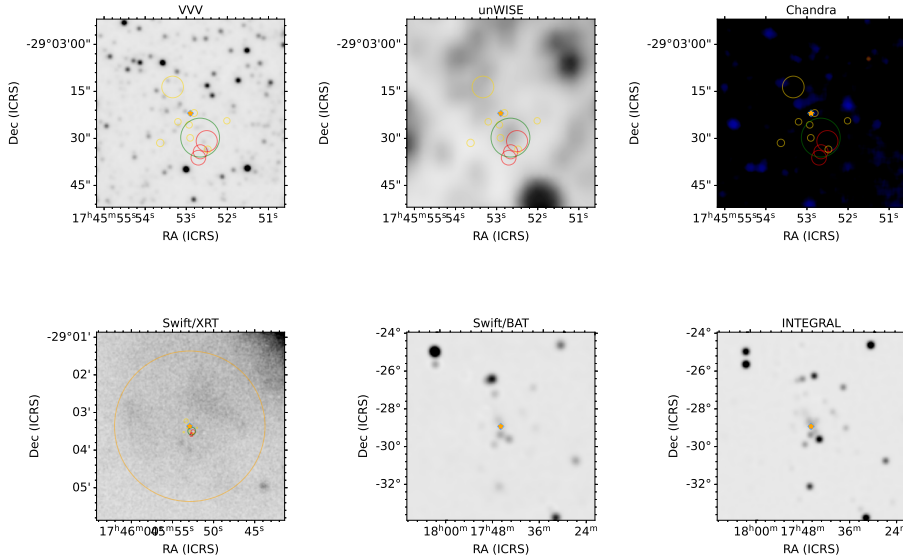
Alternative Name:
Mean Distance [kpc]: 8.5
Distance-Reference: Watson et al. (1981)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.41 - 6.35
soft X-ray variability: 15.49

Optical Counterpart

Gaia DR3 Name:



SWIFT J174553.7-290347*Coordinates*

RA: 17^h45^m05^s.85
DEC: −29°03′00.46″.8
Position-uncertainty [arcsec] : 6.000×10^{-1}
Galactic-longitude [deg]: 359.92
Galactic-latitude [deg]: −0.12
Coordinate-Reference: Evans et al. (2010)

Binary System

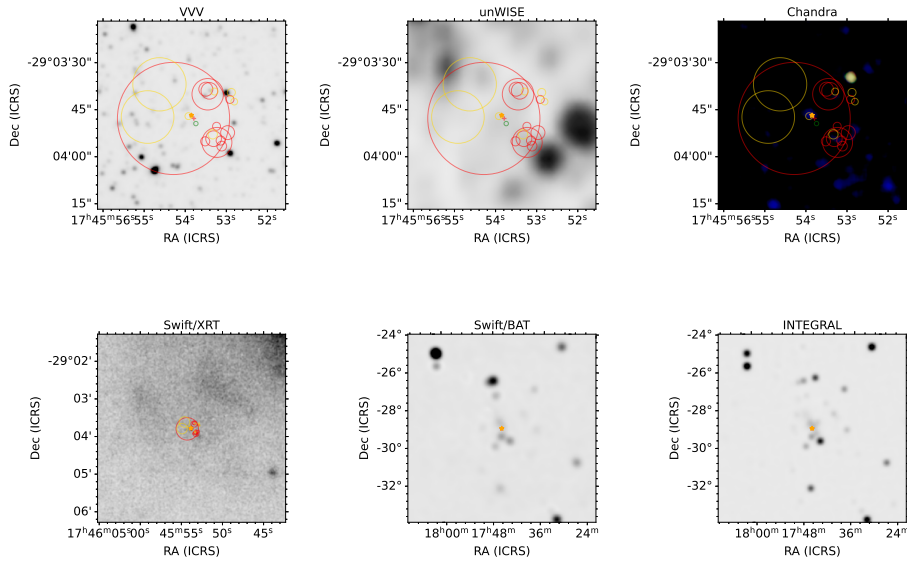
Alternative Name: CXOGC J174553.8-290346
X-ray Type: XT
Mean Distance [kpc]: 8.0
Distance-Reference: Degenaar & Wijnands (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 7.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.07 - 2.96
soft X-ray variability: 40.07

Optical Counterpart

Gaia DR3 Name:



CXOGC J174554.3-285454

Coordinates

RA: 17^h45^m54^s.459
DEC: −28°54′54″.817
Position-uncertainty [arcsec]: 1.006×10^0
Galactic-longitude [deg]: 0.05
Galactic-latitude [deg]: −0.04
Coordinate-Reference: Evans et al. (2010)

Binary System

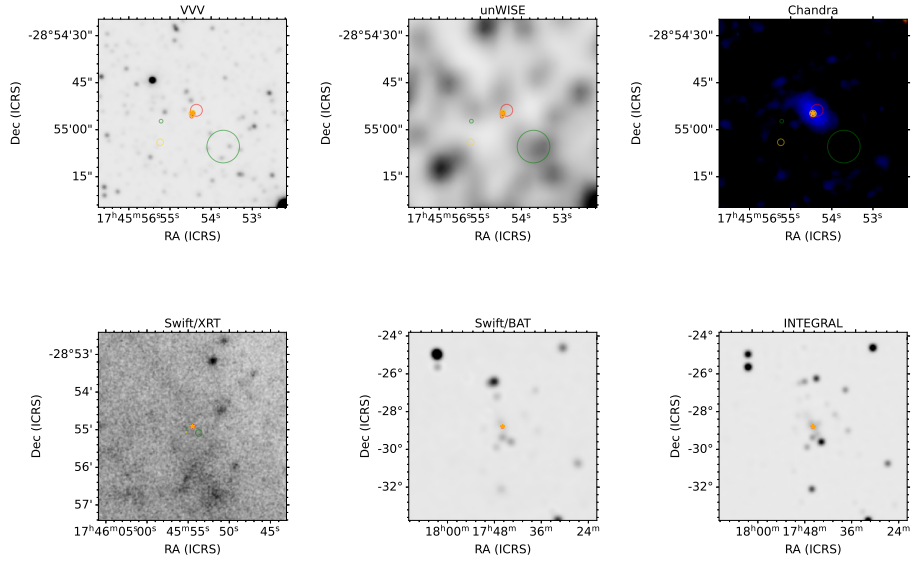
Alternative Name:

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.0 - 11.89
soft X-ray variability: 2416.24

Optical Counterpart

Gaia DR3 Name:
J [mag]: 18.26(0.21)
H [mag]: 14.90(0.06)
K [mag]: 12.96(0.05)



1E 1742.8-2853*Coordinates*

RA: 17^h46^m00^s.133
DEC: −28°54′49″.242
Position-uncertainty [arcsec]: 3.874×10^{-4}
Galactic-longitude [deg]: 0.06
Galactic-latitude [deg]: −0.06
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

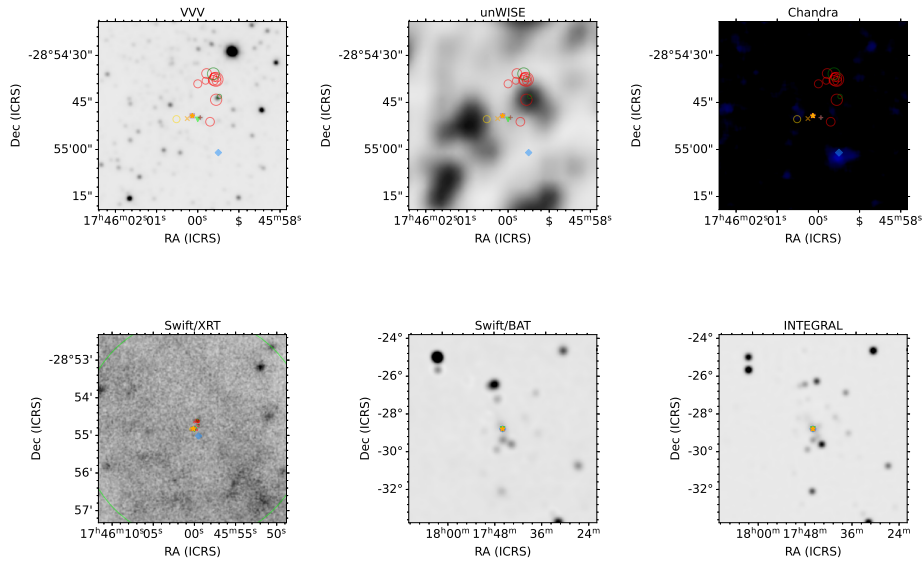
Alternative Name:
Mean Distance [kpc]: 4.26
Distance Range [kpc]: 2.3 – 7.85
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 – 6.35
soft X-ray variability: 1834.25
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.21 – 74.5
hard X-ray variability: 359.92

Optical Counterpart

Gaia DR3 Name: 4057488422376802688
G [mag]: 19.189(0.004)
V [mag]: 11.93(0.04)
J [mag]: 15.641000(0)
H [mag]: 12.34(0.05)
K [mag]: 10.66(0.05)
W1 [mag]: 4.95(0.06)
W2 [mag]: 5.22(0.05)



1E 1742.9-2852

Coordinates

RA: 17^h46^m04^s.806
DEC: -28°53′08″.009
Position-uncertainty [arcsec]: 3.645×10^0
Galactic-longitude [deg]: 0.1
Galactic-latitude [deg]: -0.06
Coordinate-Reference: Webb et al. (2020)

Binary System

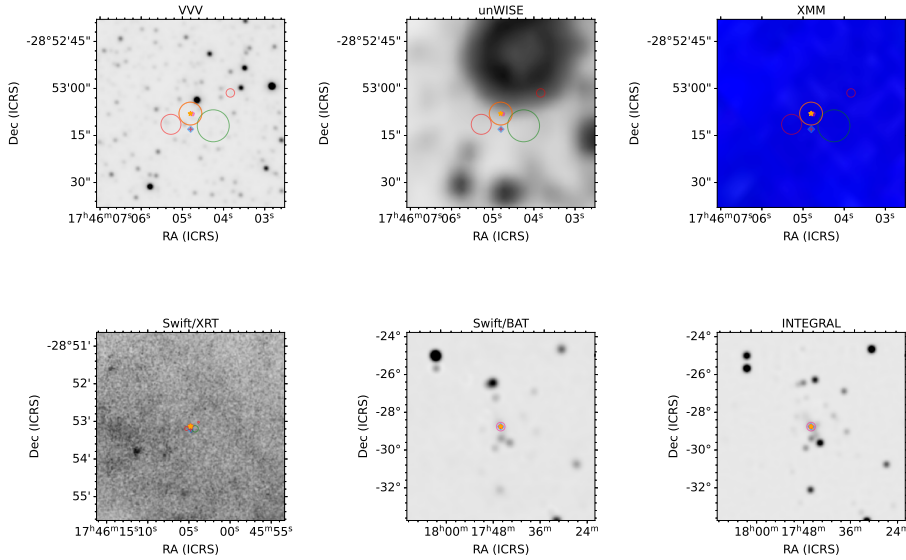
Alternative Name:
Mean Distance [kpc]: 8.5
Distance-Reference: Watson et al. (1981)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.08 - 6.35
soft X-ray variability: 83.41
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.21 - -

Optical Counterpart

Gaia DR3 Name:



1A 1742-294*Coordinates*

RA: 17^h46^m00^s.21
DEC: −29°30′53″.554
Position-uncertainty [arcsec]: 1.023×10^0
Galactic-longitude [deg]: 359.56
Galactic-latitude [deg]: −0.39
Coordinate-Reference: Evans et al. (2010)

Binary System

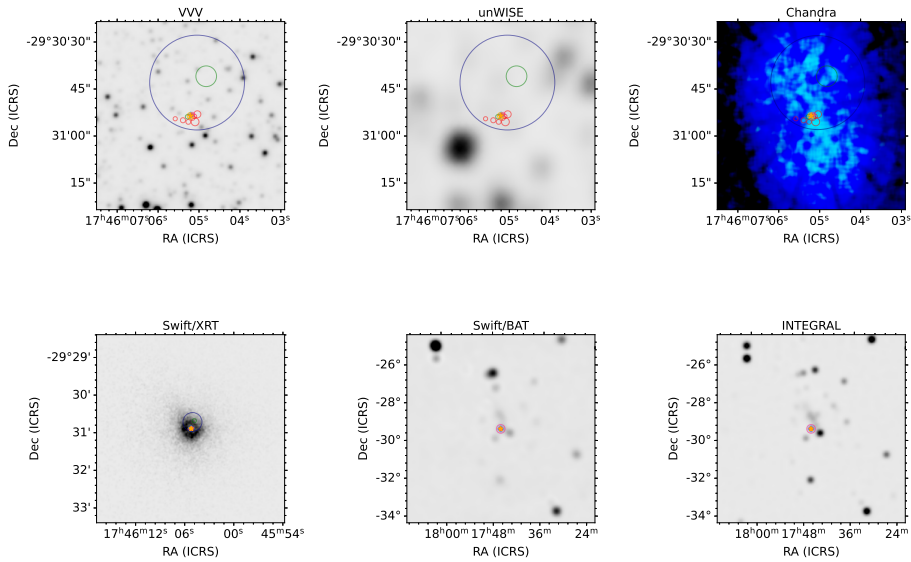
Alternative Name: MXB 1742-29
X-ray Type: XB
Mean Distance [kpc]: 8.1
Distance Range [kpc]: 6.9 – 9.2
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 1.16

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 13.54 - 22600.0
soft X-ray variability: 1669.32
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 24.0 - 3730.0
hard X-ray variability: 155.42

Optical Counterpart

Gaia DR3 Name:



1E 1742.9-2849

Coordinates

RA: 17^h46^m10^s.377
DEC: -28°51'10".975
Position-uncertainty [arcsec]: 1.079×10^0
Galactic-longitude [deg]: 0.13
Galactic-latitude [deg]: -0.06
Coordinate-Reference: Evans et al. (2010)

Binary System

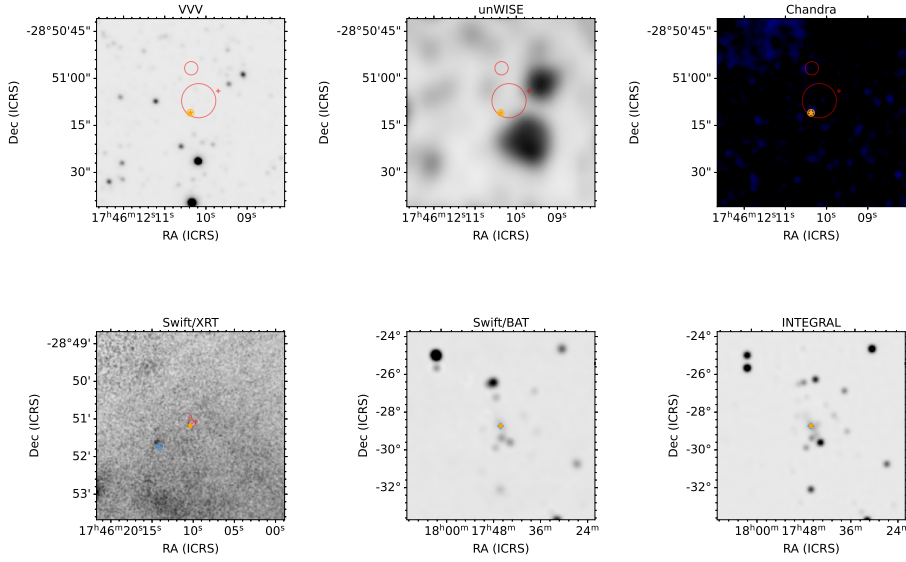
Alternative Name:
Mean Distance [kpc]: 8.5
Distance-Reference: Watson et al. (1981)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 6.35
soft X-ray variability: 884.22
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.21 - 120.2
hard X-ray variability: 580.68

Optical Counterpart

Gaia DR3 Name:



CXOGBS J174614.3-321949

Coordinates

RA: 17^h46^m14^s.388
DEC: −32°19′49″.228
Position-uncertainty [arcsec] : 1.025×10^0
Galactic-longitude [deg]: 357.17
Galactic-latitude [deg]: −1.88
Coordinate-Reference: Evans et al. (2010)

Binary System

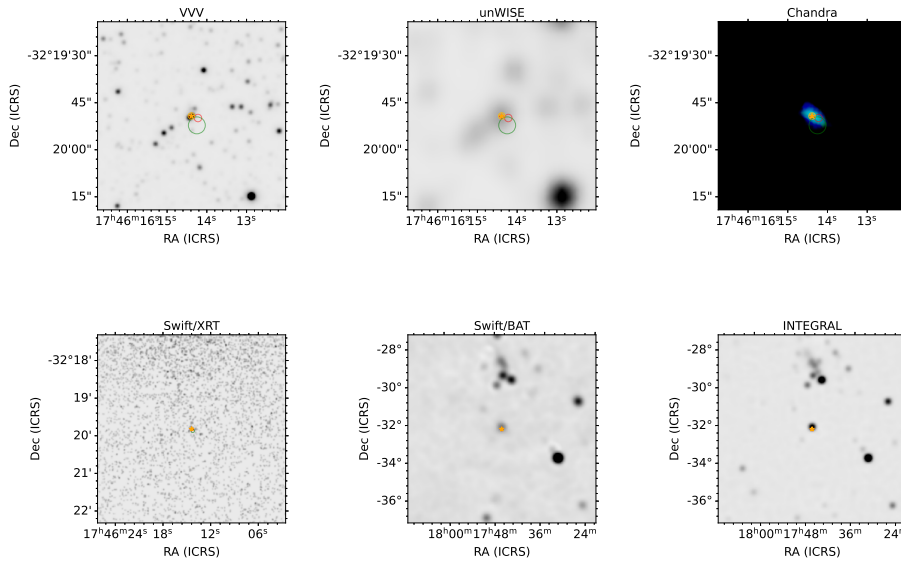
Alternative Name:

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.04 - 0.26
soft X-ray variability: 7.03

Optical Counterpart

Gaia DR3 Name:



H1743-322

Coordinates

RA: 17^h46^m15^s.608
DEC: −32°14′00.0″.6
Position-uncertainty [arcsec]: 5.281×10^{-1}
Galactic-longitude [deg]: 357.26
Galactic-latitude [deg]: −1.83
Coordinate-Reference: Steeghs et al. (2003)

Binary System

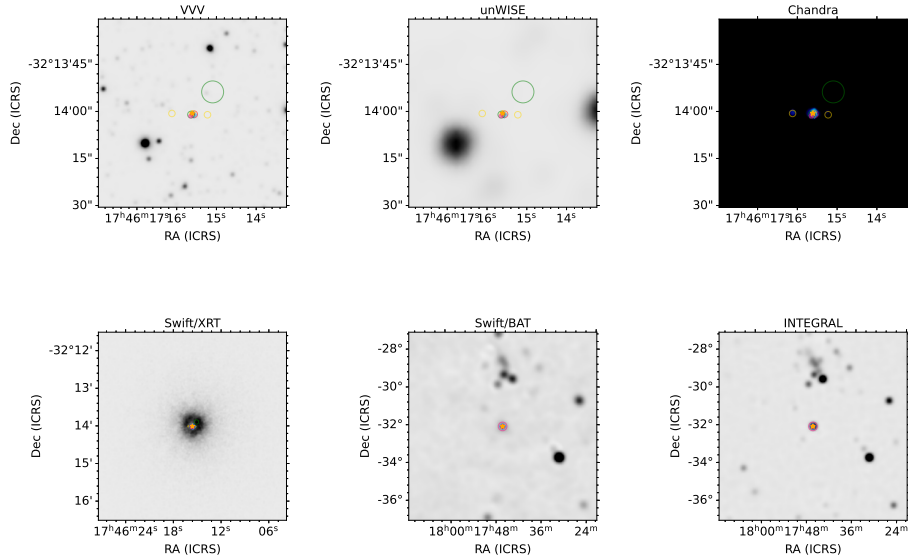
Alternative Name: IGR J17464-3213
X-ray Type: RP, US, MQ, XT, BH
Mean Distance [kpc]: 8.5
Distance Range [kpc]: 7.7 – 9.3
Distance-Reference: Steiner et al. (2012)
Hydrogen Column density [10^{21}cm^{-2}]: 2.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 16.51 - 4080.0
soft X-ray variability: 247.08

Optical Counterpart

Gaia DR3 Name:
K [mag]: 13.90(0.20)



1E 1743.1-2843*Coordinates*

RA: 17^h46^m21^s.176
DEC: −28°43′43″.484
Position-uncertainty [arcsec]: 1.009×10^0
Galactic-longitude [deg]: 0.26
Galactic-latitude [deg]: −0.03
Coordinate-Reference: Evans et al. (2010)

Binary System

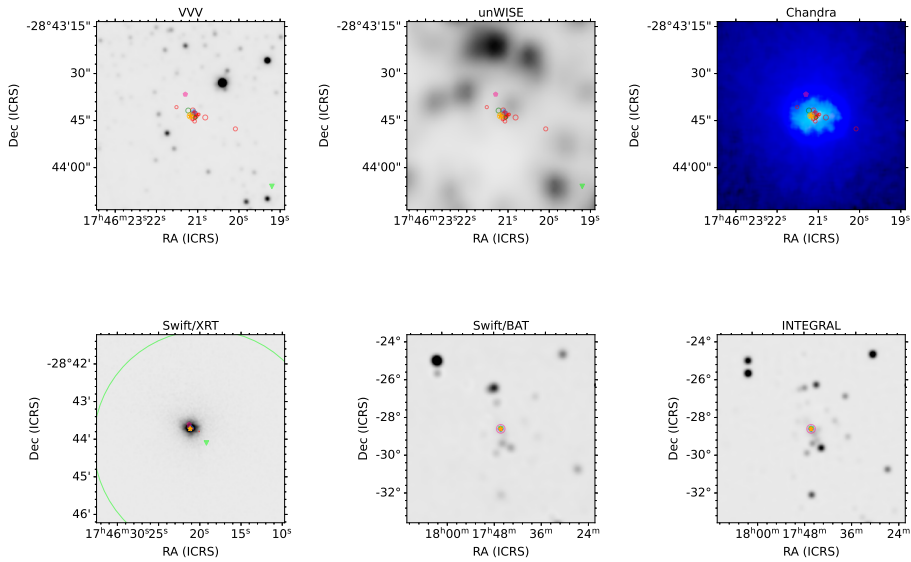
Alternative Name:
Mean Distance [kpc]: 9.0
Distance Range [kpc]: 8.0 – 16.0
Distance-Reference: Lotti et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 16.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.12 - 280.87
soft X-ray variability: 45.9
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 59.35 - 147.4
hard X-ray variability: 2.48

Optical Counterpart

Gaia DR3 Name:
V [mag]: 12.50(0.04)



CXOGC J174622.2-290634

Coordinates

RA: 17^h46^m22^s.284

DEC: −29°06′35″.206

Position-uncertainty [arcsec] : 2.945×10^0

Galactic-longitude [deg]: 359.94

Galactic-latitude [deg]: −0.23

Coordinate-Reference: Evans et al. (2010)

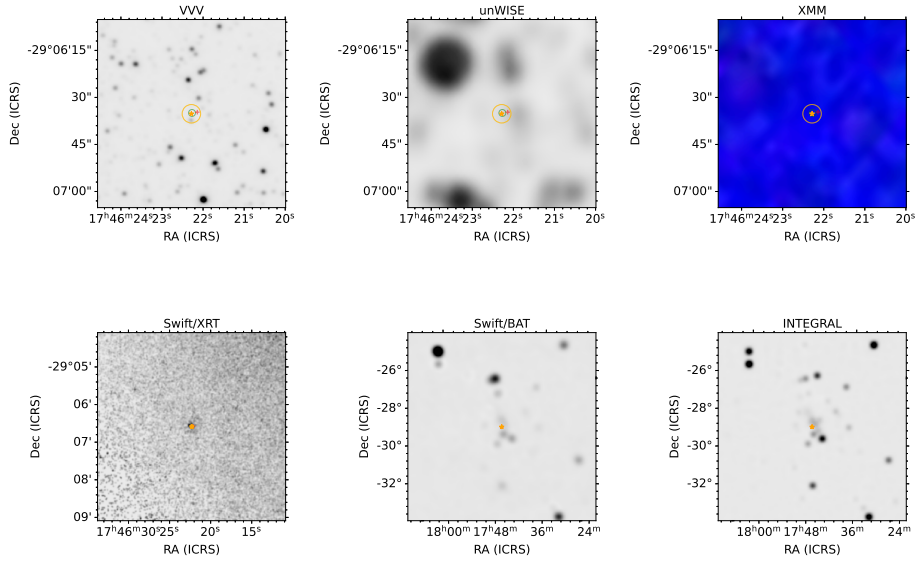
Binary System

Alternative Name:

X-ray Type: XT

Optical Counterpart

Gaia DR3 Name:



CXOGBS J174623.5-310550*Coordinates*

RA: 17^h46^m23^s.484
DEC: −31°05′49″.896
Position-uncertainty [arcsec]: 1.732×10^{-3}
Galactic-longitude [deg]: 358.24
Galactic-latitude [deg]: −1.27
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

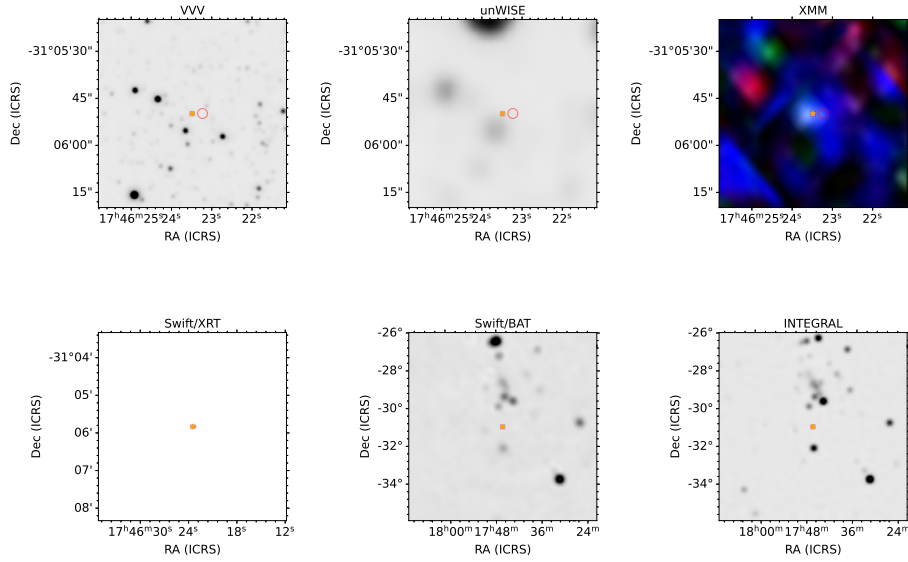
Alternative Name:
Mean Distance [kpc]: 1.8
Distance Range [kpc]: 1.5 – 10.77
Distance-Reference: Torres et al. (2019b)
Hydrogen Column density [10^{21}cm^{-2}]: 0.21

Compact Object

Orbital Period [d]: 0.09166666666666667
 Torres et al. (2019b)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01
soft X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 4055891828419134848
Spectral Type: M0-M5
 Wu et al. (2015)
G [mag]: 20.513(0.009)
K [mag]: 16.6



CXOGBS J174627.1-254952

Coordinates

RA: 17^h46^m27^s.167

DEC: −25°49′52″.397

Position-uncertainty [arcsec]: 1.593×10^0

Galactic-longitude [deg]: 2.75

Galactic-latitude [deg]: 1.46

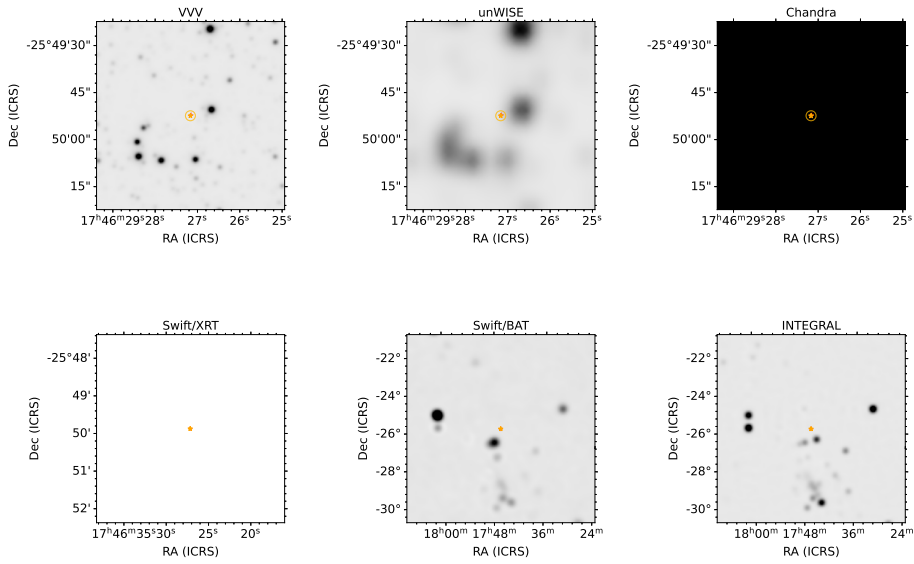
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



CXOGBS J174633.4-262314

Coordinates

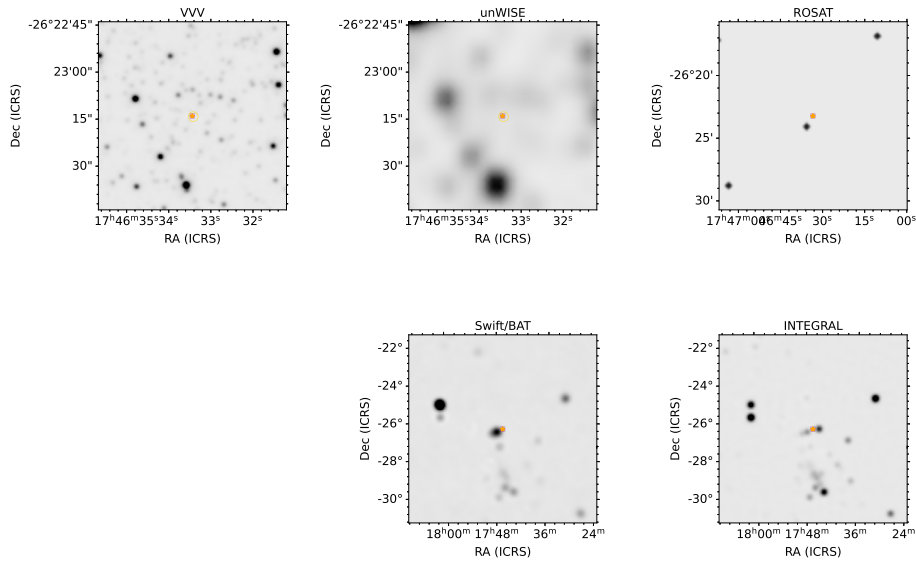
RA: $17^{\text{h}}46^{\text{m}}33^{\text{s}}.441$
DEC: $-26^{\circ}23'13''.999$
Position-uncertainty [arcsec]: 3.897×10^{-4}
Galactic-longitude [deg]: 2.29
Galactic-latitude [deg]: 1.15
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
Mean Distance [kpc]: 3.73
Distance Range [kpc]: 0.99 – 7.99
Distance-Reference: Bailer-Jones et al. (2018)

Optical Counterpart

Gaia DR3 Name: 4067041116838655872
G [mag]: 19.378(0.018)



SAX J1747.0-2853

Coordinates

RA: 17^h47^m02^s.588
DEC: −28°52′59″.101
Position-uncertainty [arcsec]: 1.005×10^0
Galactic-longitude [deg]: 0.21
Galactic-latitude [deg]: −0.24
Coordinate-Reference: Evans et al. (2010)

Binary System

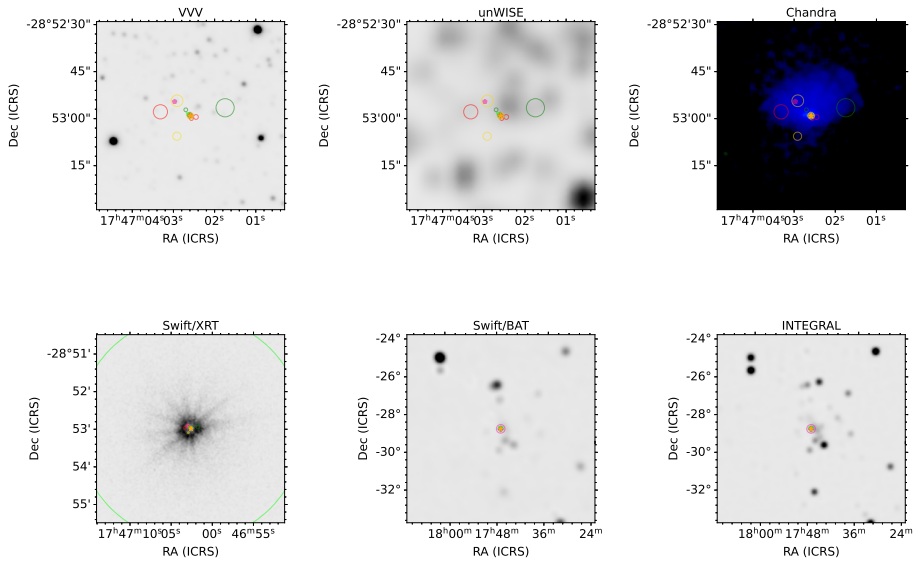
Alternative Name: GX +0.2-0.2
X-ray Type: XB, XT
Mean Distance [kpc]: 7.5
Distance Range [kpc]: 6.2 – 8.8
Distance-Reference: Werner et al. (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 1.06

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 471.2
soft X-ray variability: 390553.24
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 35.04 - 471.2
hard X-ray variability: 13.45

Optical Counterpart

Gaia DR3 Name:
V [mag]: 14.20(0.30)



MXB 1743-28*Coordinates*

RA: 17^h47^m11^s.341
DEC: −28°30′09″.234
Position-uncertainty [arcsec] : 1.275×10^0
Galactic-longitude [deg]: 0.55
Galactic-latitude [deg]: −0.07
Coordinate-Reference: Webb et al. (2020)

Binary System

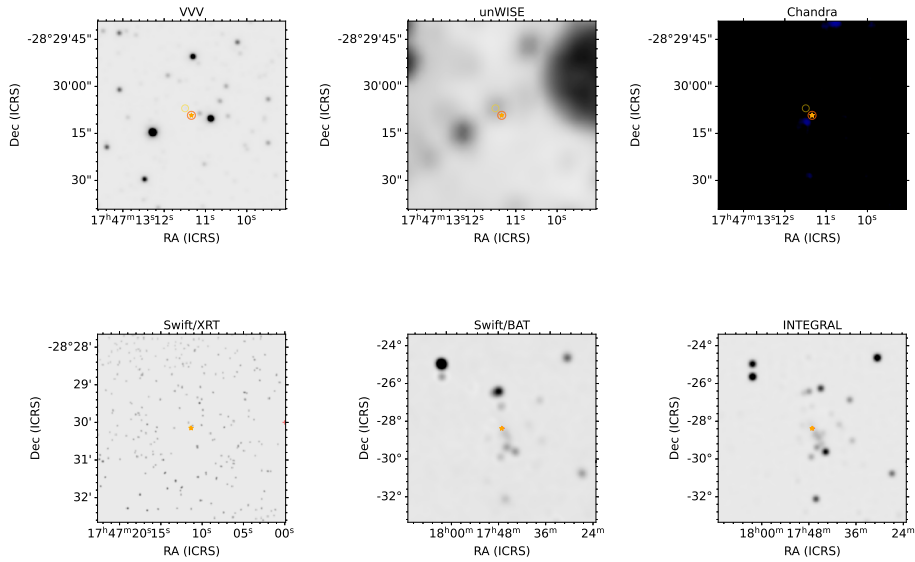
Alternative Name:

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.0 - 0.01
soft X-ray variability: 2.42

Optical Counterpart

Gaia DR3 Name:



XMMU J174716.1-281048

Coordinates

RA: 17^h47^m016^s.16
DEC: −28°10′48″.059
Position-uncertainty [arcsec]: 1.018×10^0
Galactic-longitude [deg]: 0.83
Galactic-latitude [deg]: 0.08
Coordinate-Reference: Evans et al. (2010)

Binary System

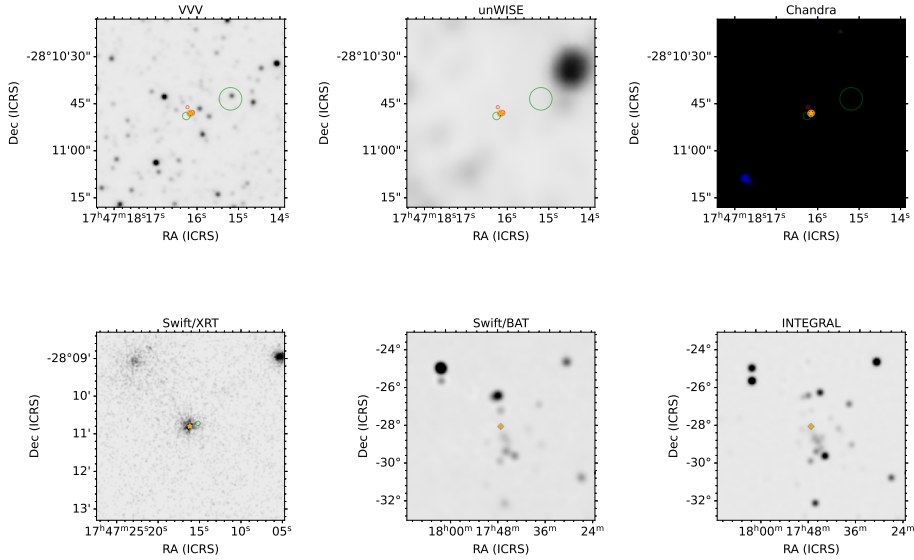
Alternative Name: IGR J17464-2811
X-ray Type: XT?, XB
Mean Distance [kpc]: 8.4
Distance-Reference: Degenaar et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 8.9

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.19 - 4.49
soft X-ray variability: 23.6

Optical Counterpart

Gaia DR3 Name:



IGR J17473-2721*Coordinates*

RA: $17^{\text{h}}47^{\text{m}}18^{\text{s}}.038$
DEC: $-27^{\circ}20'38''.948$
Position-uncertainty [arcsec]: 1.032×10^0
Galactic-longitude [deg]: 1.55
Galactic-latitude [deg]: 0.51
Coordinate-Reference: Evans et al. (2010)

Binary System

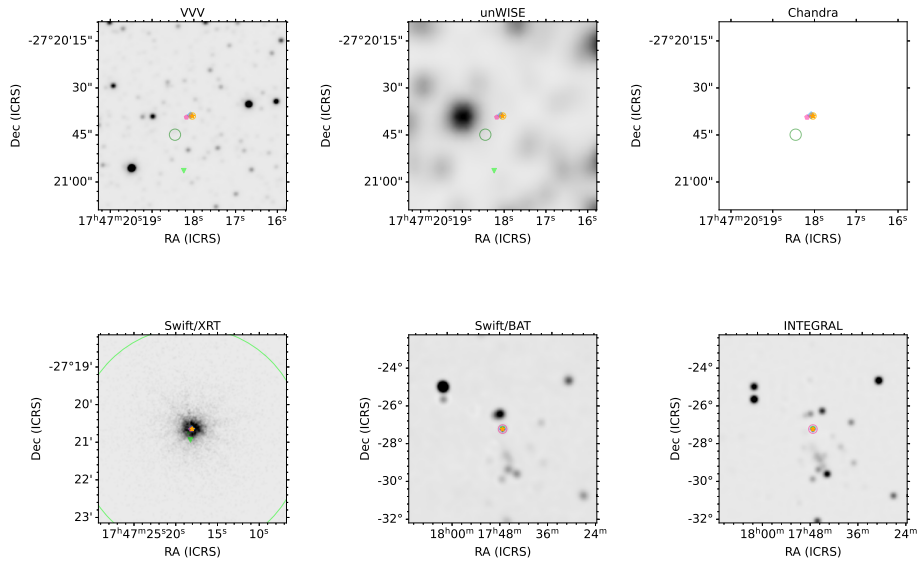
Alternative Name: XTE J1747-274
X-ray Type: XT, XB
Mean Distance [kpc]: 5.4
Distance Range [kpc]: 5.2 – 7.36
Distance-Reference: Chenevez et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 4.39

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 777.0 - 10000.0
hard X-ray variability: 12.87

Optical Counterpart

Gaia DR3 Name:
K [mag]: 16.2



SLX 1744-299

Coordinates

RA: 17^h47^m25^s.869
DEC: −30°00′01″.629
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 359.3
Galactic-latitude [deg]: −0.89
Coordinate-Reference: Evans et al. (2010)

Binary System

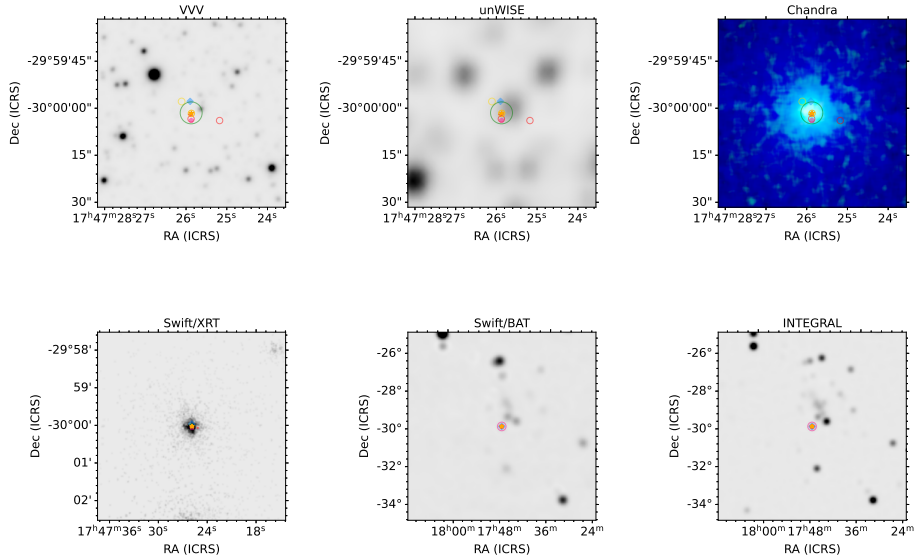
Alternative Name: AX J1747.4-3000
X-ray Type: XB
Hydrogen Column density [10^{21}cm^{-2}]: 4.57

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.02 - 206.02
soft X-ray variability: 12136.74

Optical Counterpart

Gaia DR3 Name:



SLX 1744-300*Coordinates*

RA: 17^h47^m26^s.021
DEC: −30°02′41″.884
Position-uncertainty [arcsec] : 1.006×10^0
Galactic-longitude [deg]: 359.26
Galactic-latitude [deg]: −0.91
Coordinate-Reference: Evans et al. (2010)

Binary System

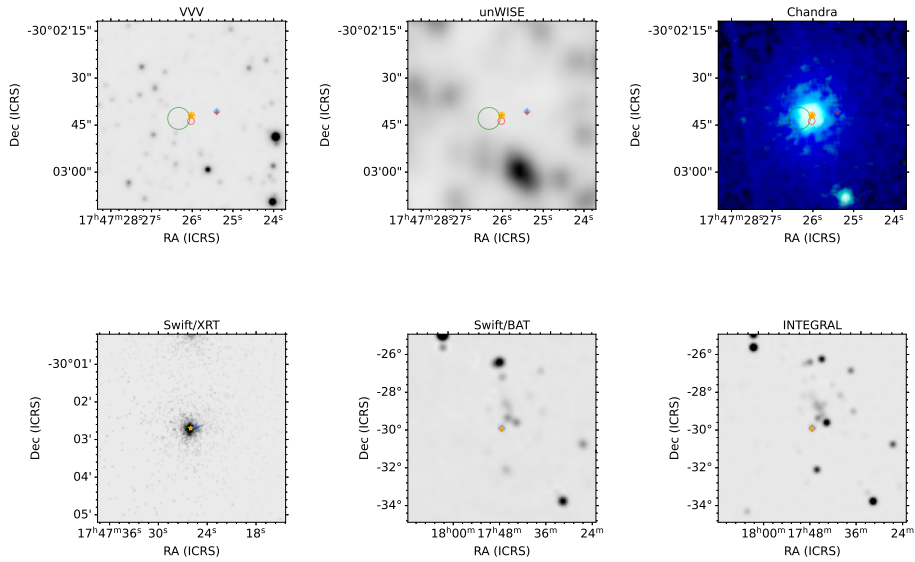
Alternative Name:
X-ray Type: XB
Hydrogen Column density [10^{21}cm^{-2}]: 4.49

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 9.62 - 1141.0
soft X-ray variability: 118.58

Optical Counterpart

Gaia DR3 Name:



GX 3+1

Coordinates

RA: 17^h47^m56^s.097
DEC: −26°33′049″.35
Position-uncertainty [arcsec]: 1.000×10^{-2}
Galactic-longitude [deg]: 2.29
Galactic-latitude [deg]: 0.79
Coordinate-Reference: van den Berg et al. (2014)

Binary System

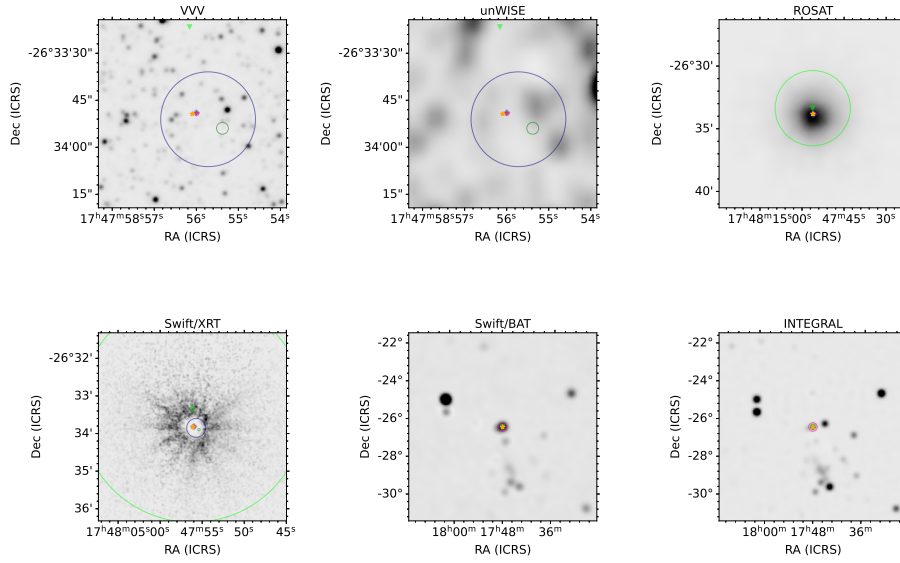
Alternative Name:
X-ray Type: XB, AS
Mean Distance [kpc]: 6.1
Distance Range [kpc]: 4.2 – 6.5
Distance-Reference: den Hartog et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 2.42

Compact Object

Orbital Period [d]: 0.7708333333333334
 van den Berg et al. (2014)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1509.5 - 9635.08
soft X-ray variability: 6.38
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 145.43 - 289.05
hard X-ray variability: 1.99

Optical Counterpart

Gaia DR3 Name:
K [mag]: 15.80(0.10)



CXOGlb J174804.5-244641*Coordinates*

RA: 17^h48^m04^s.575
DEC: −24°46′042″.12
Position-uncertainty [arcsec]: 1.789×10^{-1}
Galactic-longitude [deg]: 3.84
Galactic-latitude [deg]: 1.69
Coordinate-Reference: Urquhart et al. (2020)

Binary System

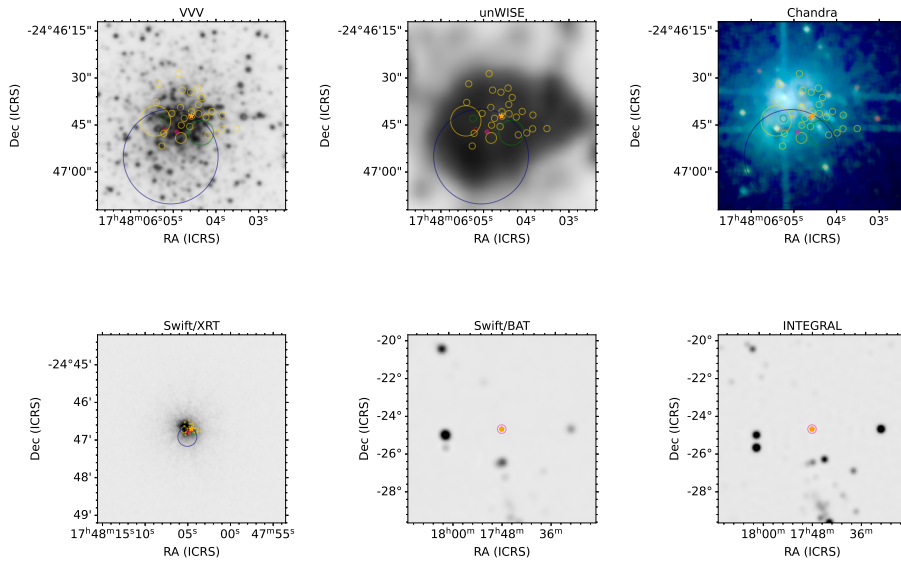
Alternative Name: Terzan 5 CX1
X-ray Type: XP?, RP?, XT, GC
Mean Distance [kpc]: 5.9
Distance Range [kpc]: 5.4 – 6.4
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 2.6

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 0.19
soft X-ray variability: 18.48

Optical Counterpart

Gaia DR3 Name:



IGR J17480-2446

Coordinates

RA: 17^h48^m04^s.822
DEC: −24°46′00.48″
Position-uncertainty [arcsec]: 1.500×10^{-1}
Galactic-longitude [deg]: 3.84
Galactic-latitude [deg]: 1.69
Coordinate-Reference: Testa et al. (2012)

Binary System

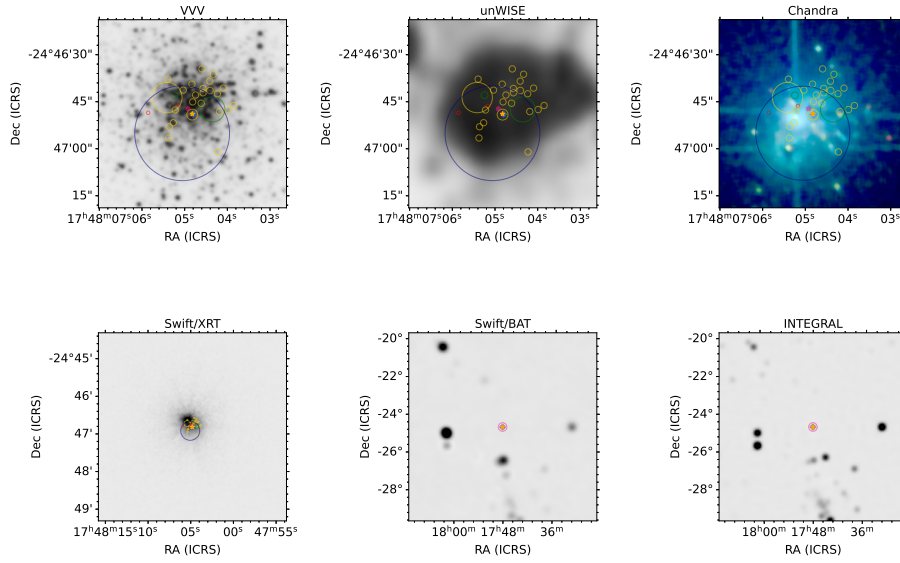
Alternative Name:
X-ray Type: GC, BO, XB, XT
Mean Distance [kpc]: 5.9
Distance Range [kpc]: 5.4 – 6.4
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 2.96

Compact Object

Orbital Period [d]: 0.886439
 Ritter & Kolb (2003)
Pulse Period [s]: 0.09054
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 33.63
soft X-ray variability: 837.93

Optical Counterpart

Gaia DR3 Name:
V [mag]: 24.31(0.22)
J [mag]: 17.5
H [mag]: 16.7
K [mag]: 16.2



CXOU J174805.0-244643

Coordinates

RA: $17^{\text{h}}48^{\text{m}}05^{\text{s}}.015$
DEC: $-24^{\circ}46'043''.87$
Position-uncertainty [arcsec]: 2.126×10^{-1}
Galactic-longitude [deg]: 3.84
Galactic-latitude [deg]: 1.69
Coordinate-Reference: Tudor et al. (2022)

Binary System

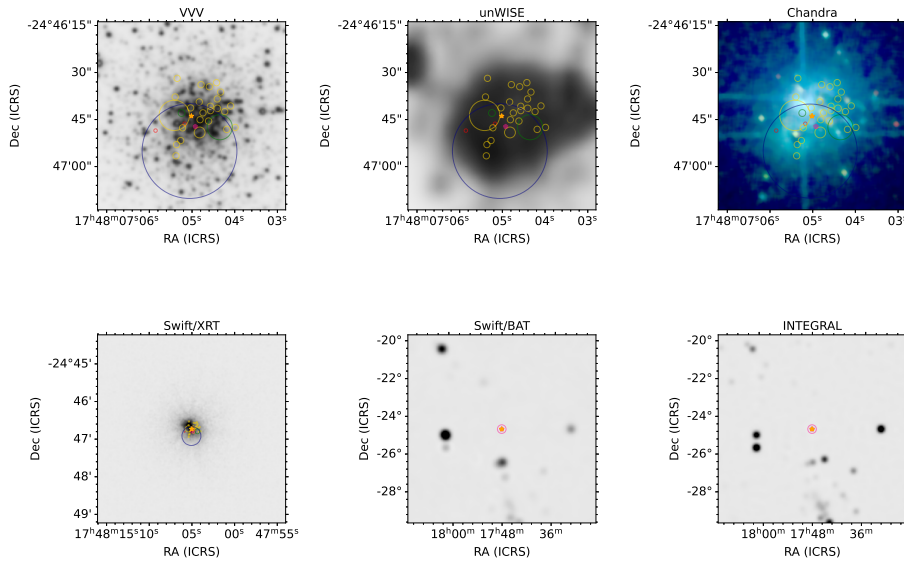
Alternative Name: Ter5-VLA31
X-ray Type: BH?, RP?, GC
Mean Distance [kpc]: 5.9
Distance Range [kpc]: 5.4 – 6.4
Distance-Reference: Valenti et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 2.07

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 560.48
soft X-ray variability: 324604.64

Optical Counterpart

Gaia DR3 Name:



EXO 1745-248

Coordinates

RA: 17^h48^m00^s.23
DEC: −24°46′00.47″.6
Position-uncertainty [arcsec]: 1.000×10^{-2}
Galactic-longitude [deg]: 3.84
Galactic-latitude [deg]: 1.69
Coordinate-Reference: Ferraro et al. (2015)

Binary System

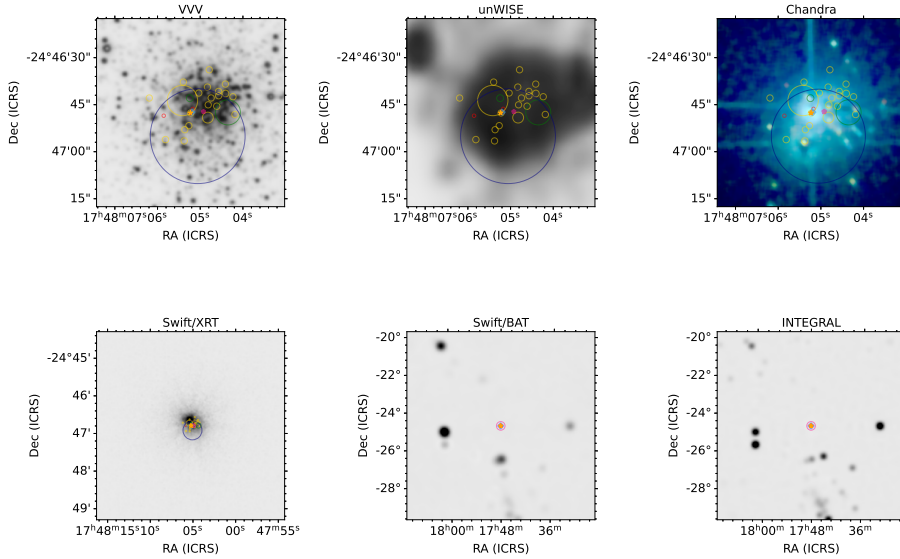
Alternative Name:
X-ray Type: GC, DS, XB, XT
Mean Distance [kpc]: 5.5
Distance Range [kpc]: 4.6 – 6.4
Distance-Reference: Ortolani et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 2.02

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.7 - 3287.47
soft X-ray variability: 4698.4
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.38 - 2880.0
hard X-ray variability: 7565.92

Optical Counterpart

Gaia DR3 Name:



NAME TER 5 X-3*Coordinates*

RA: 17^h48^m00^s.41
DEC: −24°46′03″.67
Position-uncertainty [arcsec]: 1.076×10^0
Galactic-longitude [deg]: 3.84
Galactic-latitude [deg]: 1.69
Coordinate-Reference: Evans et al. (2010)

Binary System

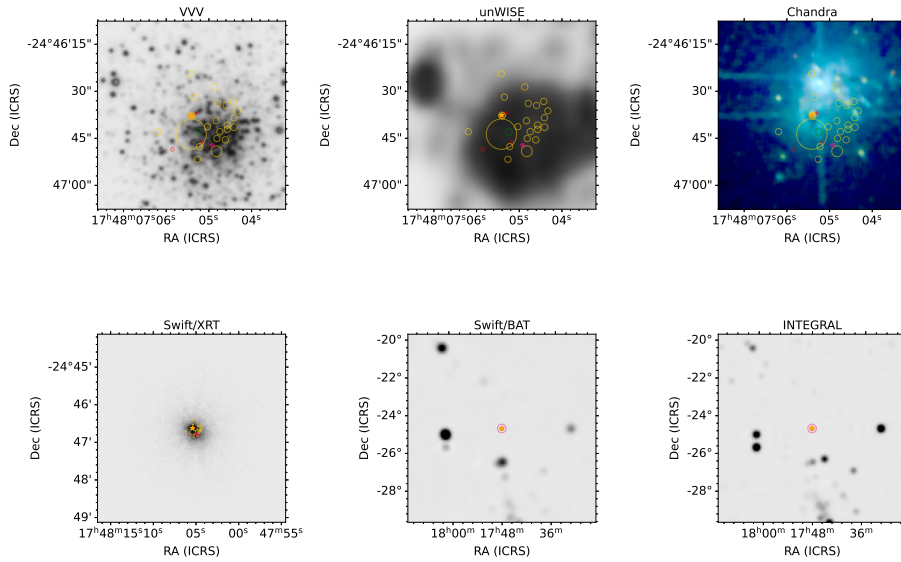
Alternative Name:
X-ray Type: GC, XB, XT
Mean Distance [kpc]: 5.9
Distance Range [kpc]: 5.4 – 6.4
Distance-Reference: Lanzoni et al. (2010)
Hydrogen Column density [10^{21}cm^{-2}]: 1.29

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.7 – 560.48
soft X-ray variability: 801.03

Optical Counterpart

Gaia DR3 Name:



XTE J1748-288

Coordinates

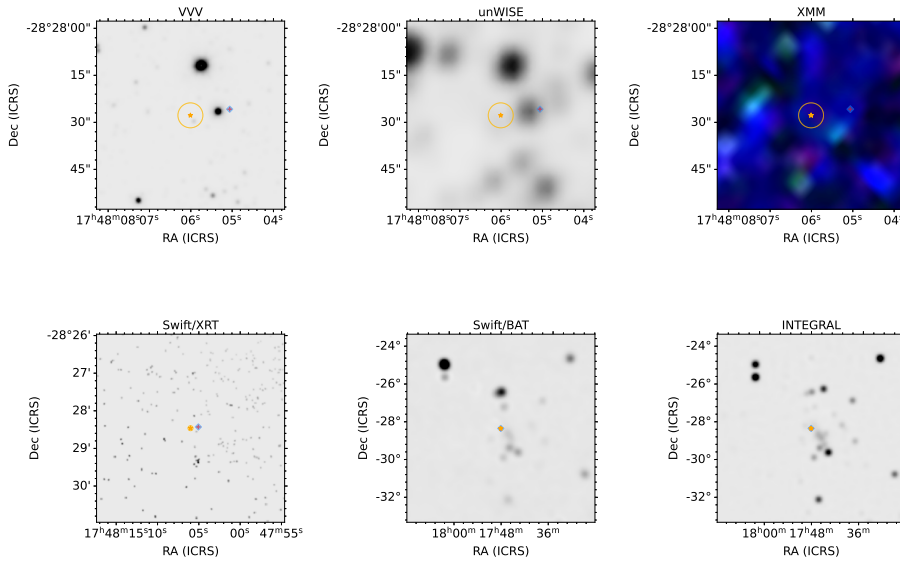
RA: 17^h48^m006^s.01
DEC: -28°28'027".76
Position-uncertainty [arcsec] : 3.982×10^0
Galactic-longitude [deg]: 0.68
Galactic-latitude [deg]: -0.23
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
X-ray Type: XT, MQ, RP, BH
Mean Distance [kpc]: 8.0
Distance-Reference: Corral-Santana et al. (2016)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 13.60(0.10)



XTE J1748-361

Coordinates

RA: $17^{\text{h}}48^{\text{m}}13^{\text{s}}.122$
DEC: $-36^{\circ}07'58''.116$
Position-uncertainty [arcsec]: 1.050×10^0
Galactic-longitude [deg]: 354.12
Galactic-latitude [deg]: -4.19
Coordinate-Reference: Evans et al. (2010)

Binary System

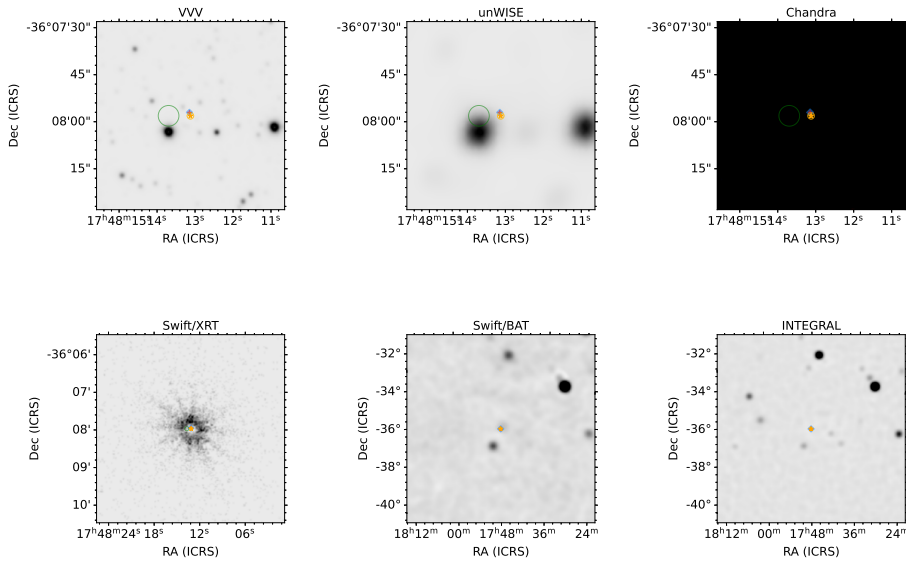
Alternative Name: 1A 1744-361
X-ray Type: DS, AS?, BO, XB, XT, RP
Mean Distance [kpc]: 9.0
Distance-Reference: Bhattacharyya et al. (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 0.63

Compact Object

Orbital Period [d]: 0.0675
Liu et al. (2007)
Pulse Period [s]: 0.0018867924528301887
Bhattacharyya et al. (2006)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 20.899999618530273



NGC 6440 CX13

Coordinates

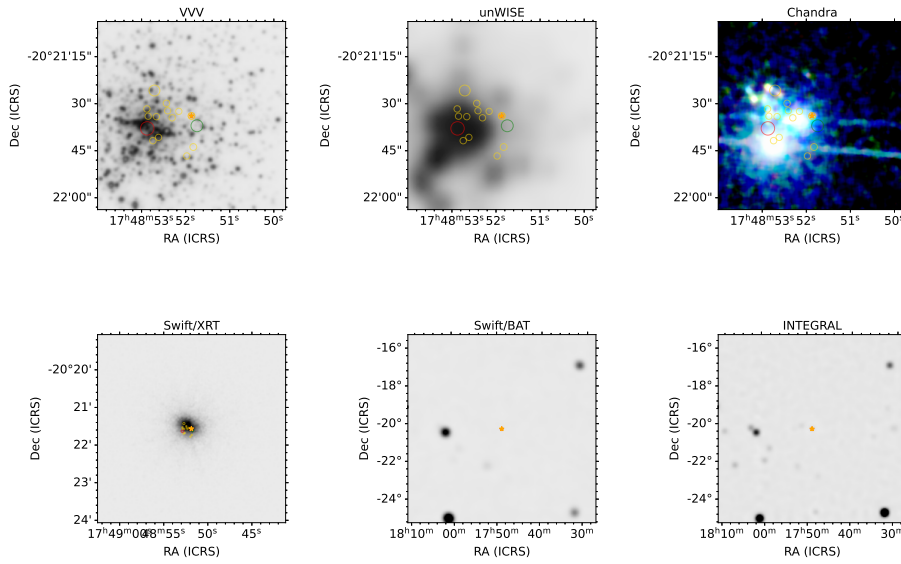
RA: $17^{\text{h}}48^{\text{m}}05.1^{\text{s}}87$
DEC: $-20^{\circ}21'03.3''85$
Position-uncertainty [arcsec]: 1.020×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name: [RTB2002] J174851.87-202133.9
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.59

Optical Counterpart

Gaia DR3 Name:



SAX J1748.9-2021

Coordinates

RA: 17^h48^m52^s.161
DEC: −20°21′32″.406
Position-uncertainty [arcsec]: 5.000×10^{-1}
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Cadelano et al. (2017)

Binary System

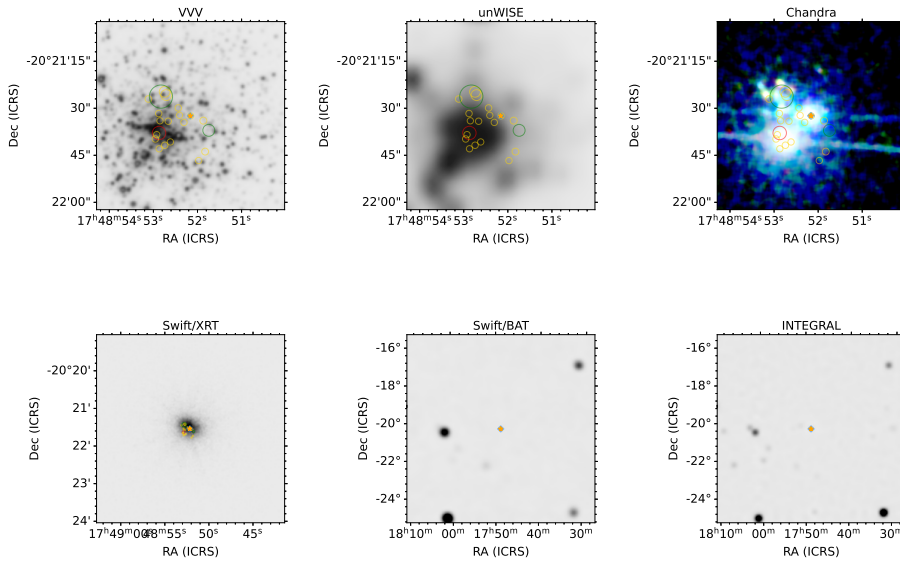
Alternative Name: 4U 1745-203
X-ray Type: XP, GC, AS, XB, XT
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

Orbital Period [d]: 0.365
 Altamirano et al. (2008)
Pulse Period [s]: 0.00226
 Patruno et al. (2009)

Optical Counterpart

Gaia DR3 Name:



NGC 6440 CX3

Coordinates

RA: 17^h48^m52^s.419
DEC: −20°21′00.32″.0
Position-uncertainty [arcsec]: 1.098×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

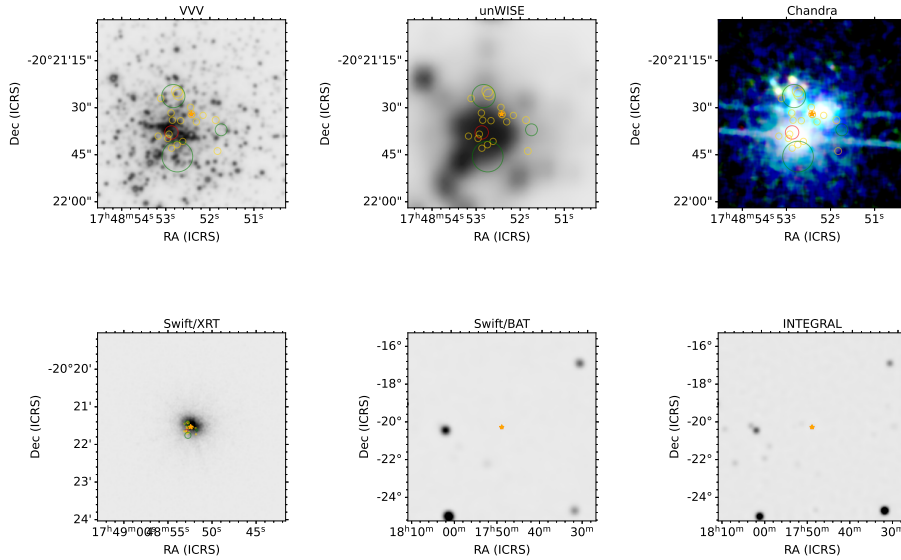
Alternative Name: [RTB2002] J174852.41-202132.2
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.59

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 0.05
soft X-ray variability: 1.49

Optical Counterpart

Gaia DR3 Name:



NGC 6440 CX7

Coordinates

RA: $17^{\text{h}}48^{\text{m}}52^{\text{s}}.625$
DEC: $-20^{\circ}21'00.40''5$
Position-uncertainty [arcsec]: 1.020×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

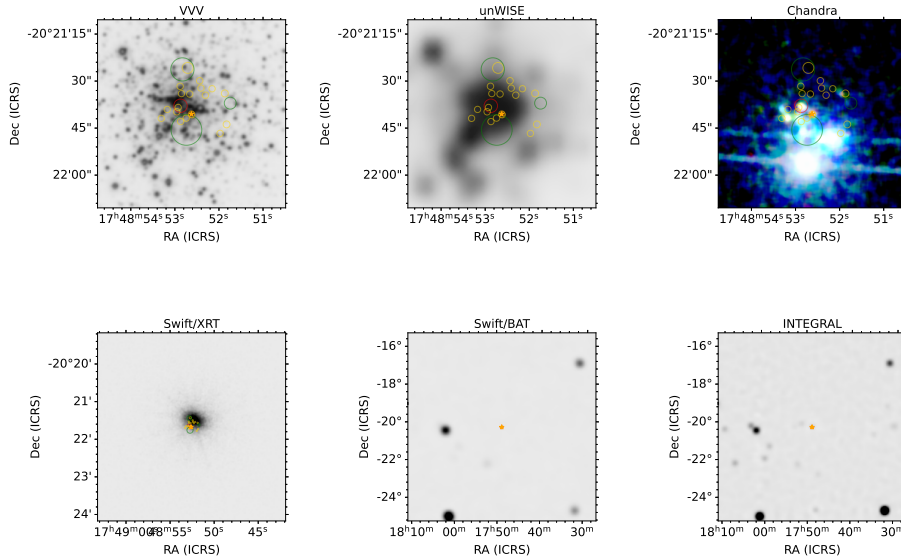
Alternative Name: [RTB2002] J174852.64-202140.6
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.69

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.02 - 0.02
soft X-ray variability: 1.27

Optical Counterpart

Gaia DR3 Name:



CXO Glb J174852.7-202124

Coordinates

RA: 17^h48^m052^s.76
DEC: −20°21′0024″.0
Position-uncertainty [arcsec]: 1.007×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

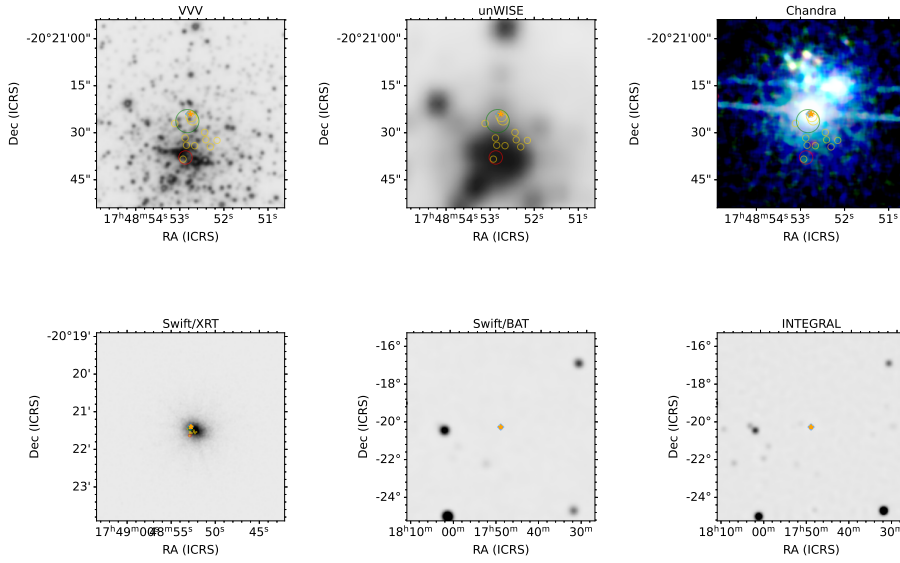
Alternative Name: NGC 6440 X-2
X-ray Type: GC, XP, XT
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.7

Compact Object

Orbital Period [d]: 0.040022
 Ritter & Kolb (2003)
Pulse Period [s]: 0.004857
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.51 - 24.32
soft X-ray variability: 47.35

Optical Counterpart

Gaia DR3 Name:



NGC 6440 CX10

Coordinates

RA: $17^{\text{h}}48^{\text{m}}52^{\text{s}}.874$
DEC: $-20^{\circ}21'031''.31$
Position-uncertainty [arcsec]: 1.006×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

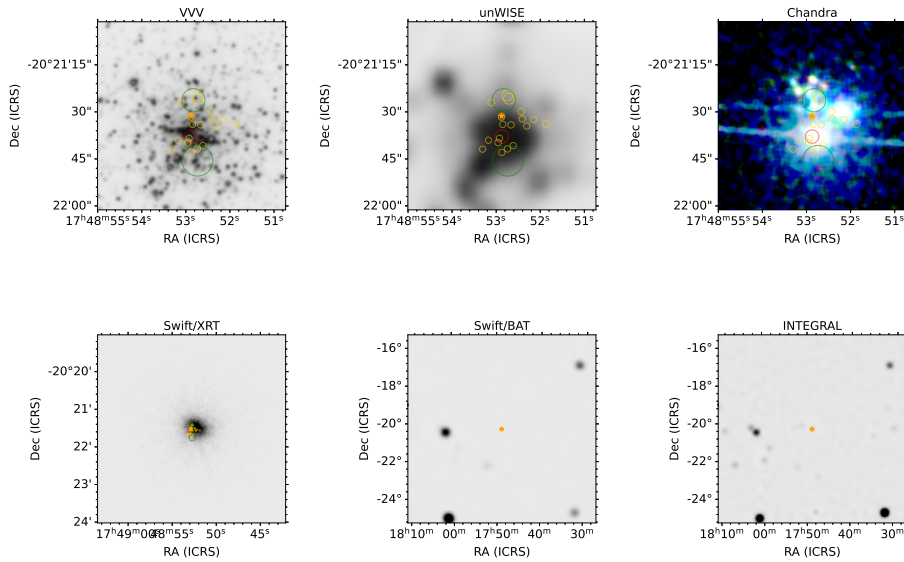
Alternative Name: [PLV2002] CX10
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.59

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 0.06
soft X-ray variability: 148.06

Optical Counterpart

Gaia DR3 Name:



NGC 6440 CX5

Coordinates

RA: $17^{\text{h}}48^{\text{m}}52^{\text{s}}.874$
DEC: $-20^{\circ}21'042''.61$
Position-uncertainty [arcsec]: 1.020×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

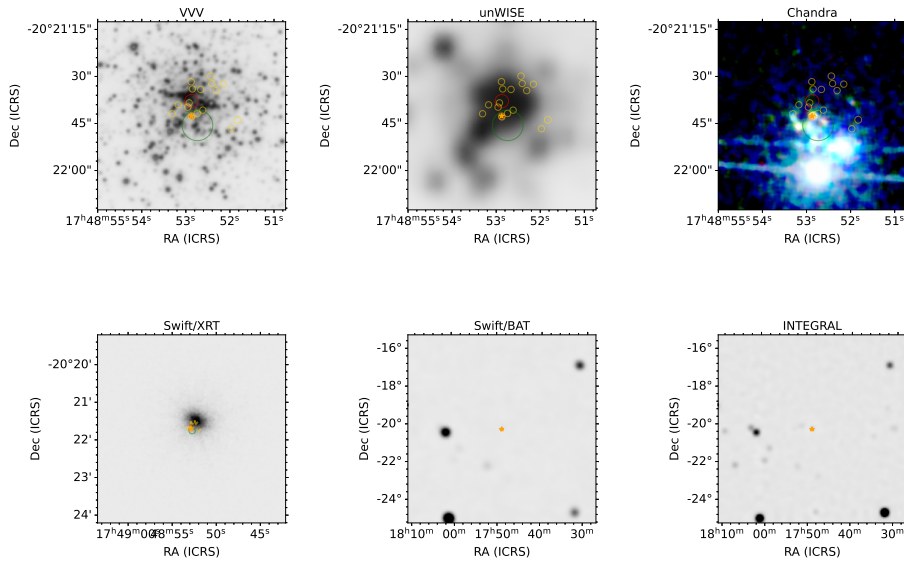
Alternative Name: [RTB2002] J174852.87-202142.5
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.7

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.04 - 0.07
soft X-ray variability: 1.81

Optical Counterpart

Gaia DR3 Name:



NGC 6440 CX12

Coordinates

RA: $17^{\text{h}}48^{\text{m}}53^{\text{s}}.123$
DEC: $-20^{\circ}21'027''.03$
Position-uncertainty [arcsec]: 1.029×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

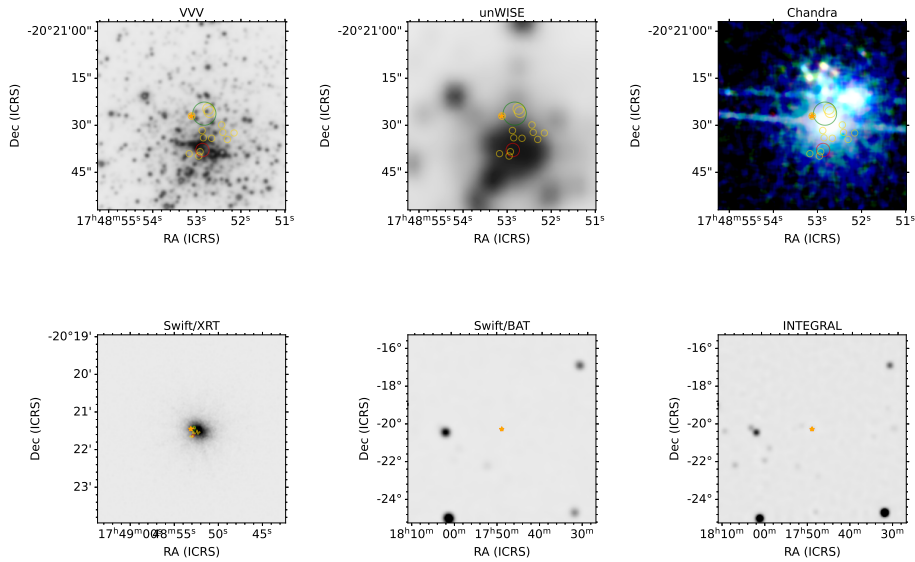
Alternative Name: [RTB2002] J174853.12-202127.0
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 1.89

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.05 - 0.1
soft X-ray variability: 1.91

Optical Counterpart

Gaia DR3 Name:



NGC 6440 CX2

Coordinates

RA: $17^{\text{h}}48^{\text{m}}53^{\text{s}}.181$
DEC: $-20^{\circ}21'038''78$
Position-uncertainty [arcsec]: 1.006×10^0
Galactic-longitude [deg]: 7.73
Galactic-latitude [deg]: 3.8
Coordinate-Reference: Evans et al. (2010)

Binary System

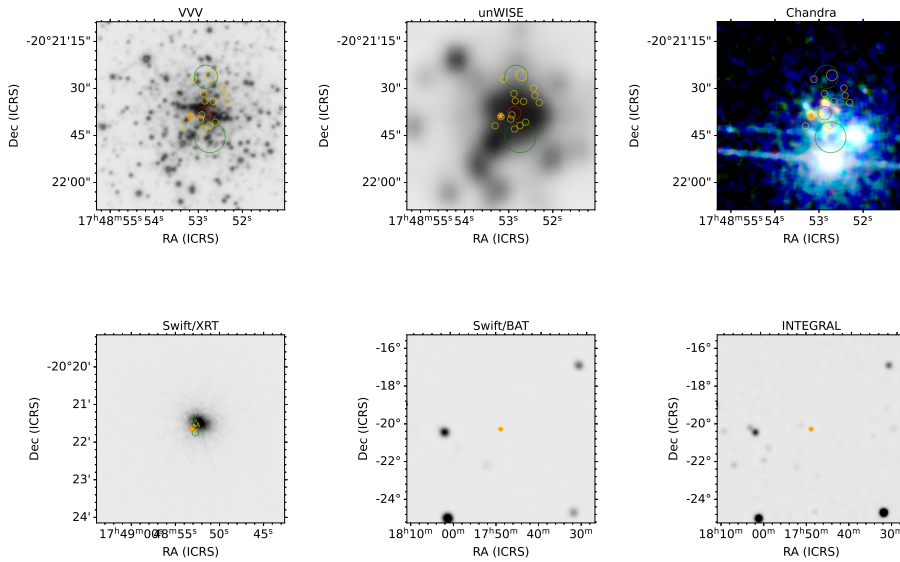
Alternative Name: [RTB2002] J174853.17-202138.7
X-ray Type: GC, QNS?
Mean Distance [kpc]: 8.4
Distance Range [kpc]: 7.1 – 9.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.74

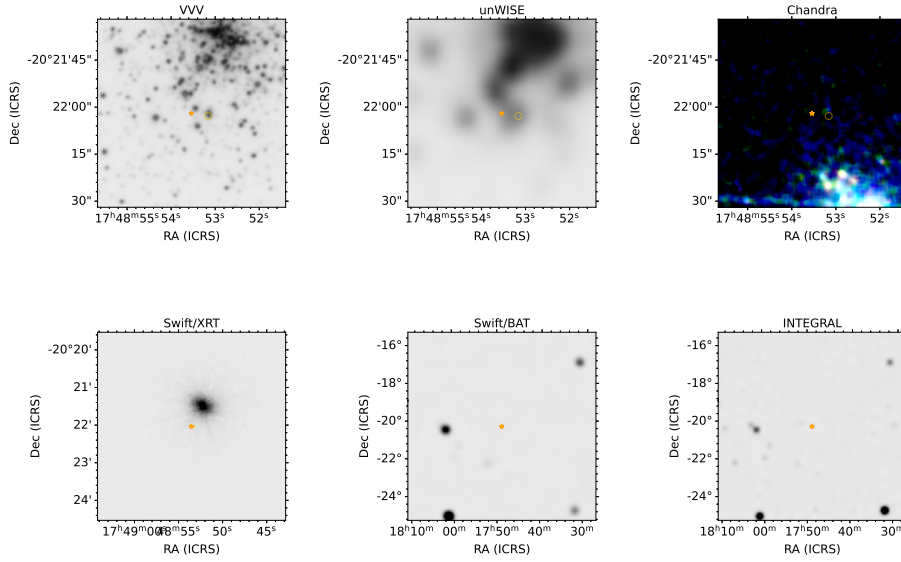
Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.07 - 0.1
soft X-ray variability: 1.37

Optical Counterpart

Gaia DR3 Name:



[ZGV2011] 3*Coordinates***RA:** 17^h48^m053^s.54**DEC:** −20°22′0002″.0**Galactic-longitude** [deg]: 7.72**Galactic-latitude** [deg]: 3.79**Coordinate-Reference:** Zhang et al. (2011)*Binary System***Alternative Name:****X-ray Type:** GC**Mean Distance** [kpc]: 5.2**Distance Range** [kpc]: 4.7 – 5.7**Distance-Reference:** Ortolani et al. (1999)*Optical Counterpart***Gaia DR3 Name:**

Coordinates

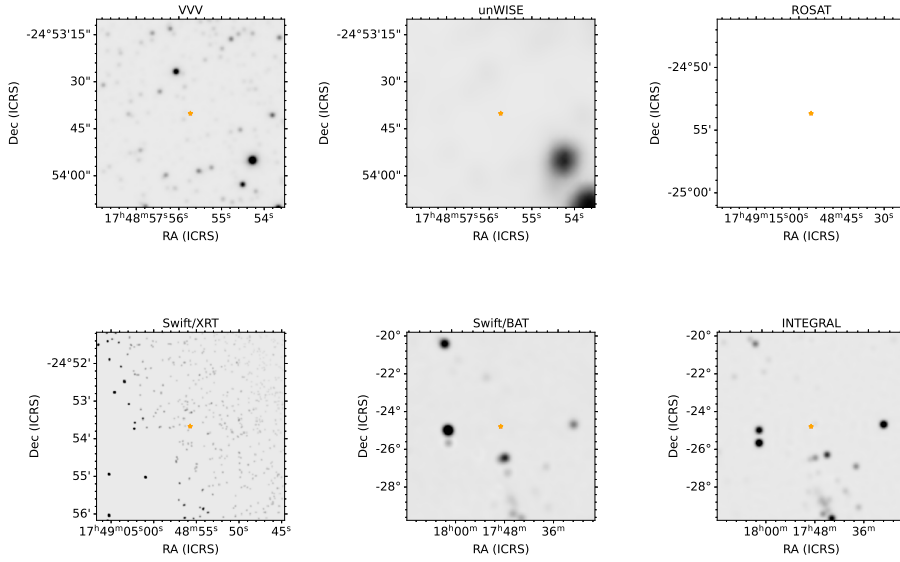
RA: $17^{\text{h}}48^{\text{m}}05^{\text{s}}.73$
DEC: $-24^{\circ}53'00.40''$
Galactic-longitude [deg]: 3.84
Galactic-latitude [deg]: 1.46
Coordinate-Reference: Zhang et al. (2011)

Binary System

Alternative Name:
X-ray Type: GC
Mean Distance [kpc]: 5.2
Distance Range [kpc]: 4.7 – 5.7
Distance-Reference: Ortolani et al. (1999)

Optical Counterpart

Gaia DR3 Name:



IGR J17494-3030*Coordinates*

RA: 17^h49^m023^s.61
DEC: −30°29′0059″.1
Position-uncertainty [arcsec]: 1.005×10^{-1}
Galactic-longitude [deg]: 359.09
Galactic-latitude [deg]: −1.51
Coordinate-Reference: van den Eijnden et al. (2020)

Binary System

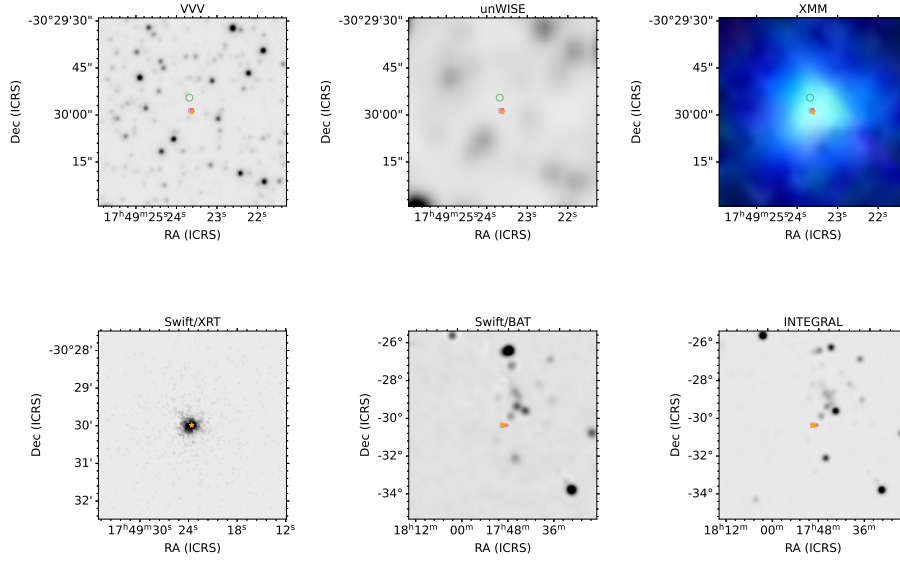
Alternative Name:
X-ray Type: XT, XP, RP
Mean Distance [kpc]: 5.55
Distance Range [kpc]: 3.42 – 8.59
Distance-Reference: Bailer-Jones et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 2.07

Compact Object

Orbital Period [d]: 0.052044791666666666
 Ng et al. (2021)
Pulse Period [s]: 0.002659219644588837
 Ng et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.21 - 101.0
soft X-ray variability: 83.47

Optical Counterpart

Gaia DR3 Name: 4056028099172996352
Spectral Type: WD?
 Ng et al. (2021)
G [mag]: 19.916(0.006)
J [mag]: 16.42(0.05)
H [mag]: 15.87(0.12)
K [mag]: 15.37(0.16)



SWIFT J1749.4-2807

Coordinates

RA: 17^h49^m031^s.94
DEC: −28°08′0005″.8
Position-uncertainty [arcsec]: 3.100×10^{-1}
Galactic-longitude [deg]: 1.13
Galactic-latitude [deg]: −0.32
Coordinate-Reference: Roming et al. (2009)

Binary System

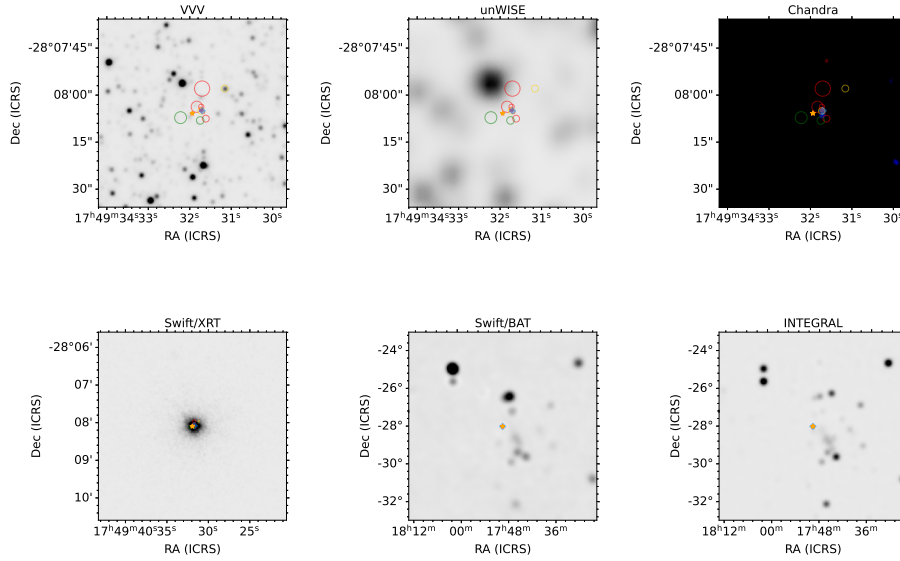
Alternative Name: J1749-2808
X-ray Type: XP, XB, XT
Mean Distance [kpc]: 6.7
Distance Range [kpc]: 5.4 – 8.0
Distance-Reference: Wijnands et al. (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 3.0

Compact Object

Orbital Period [d]: 0.367369
 Ritter & Kolb (2003)
Pulse Period [s]: 0.00193
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 – 345.3
soft X-ray variability: 304580.53

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G3V-G5V
 Sanna et al. (2022b)



IGR J17497-2821*Coordinates*

RA: 17^h49^m37^s.986
DEC: −28°21′18″.032
Position-uncertainty [arcsec]: 6.388×10^{-1}
Galactic-longitude [deg]: 0.95
Galactic-latitude [deg]: −0.45
Coordinate-Reference: Webb et al. (2020)

Binary System

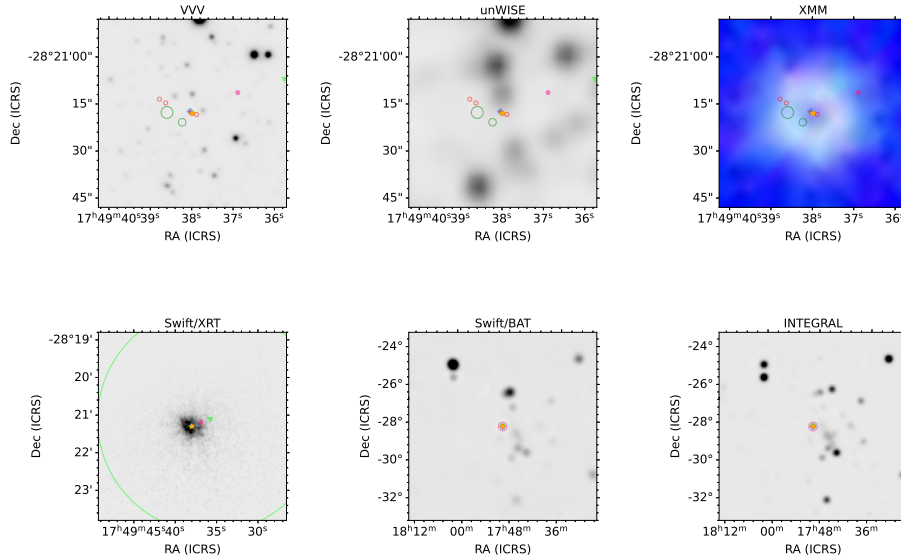
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 8.0
Distance-Reference: Alam et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 7.5

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 14.96 - 450.0
soft X-ray variability: 30.08
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 29.17 - 480.7
hard X-ray variability: 16.48

Optical Counterpart

Gaia DR3 Name:
K [mag]: 15.90(0.20)



SLX 1746-331

Coordinates

RA: 17^h49^m048^s.94
DEC: −33°12′00.11″.6
Position-uncertainty [arcsec]: 1.000×10^{-1}
Galactic-longitude [deg]: 356.81
Galactic-latitude [deg]: −2.97
Coordinate-Reference: Torres et al. (2007a)

Binary System

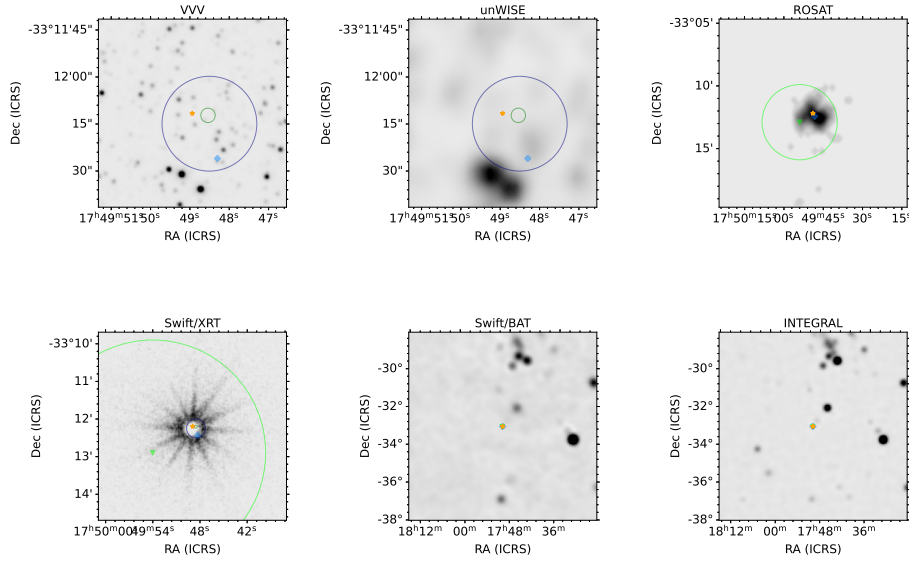
Alternative Name:
X-ray Type: US, XT, BH?
Mean Distance [kpc]: 8.0
Hydrogen Column density [10^{21}cm^{-2}]: 1.48

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.01 - 15490.0
hard X-ray variability: 2579.09

Optical Counterpart

Gaia DR3 Name:
K [mag]: 17.29(0.08)



IGR J17498-2921*Coordinates*

RA: 17^h49^m05^s.33
DEC: −29°19′00″.6
Position-uncertainty [arcsec]: 1.000×10^{-1}
Galactic-longitude [deg]: 0.16
Galactic-latitude [deg]: −1.0
Coordinate-Reference: Greiss et al. (2011b)

Binary System

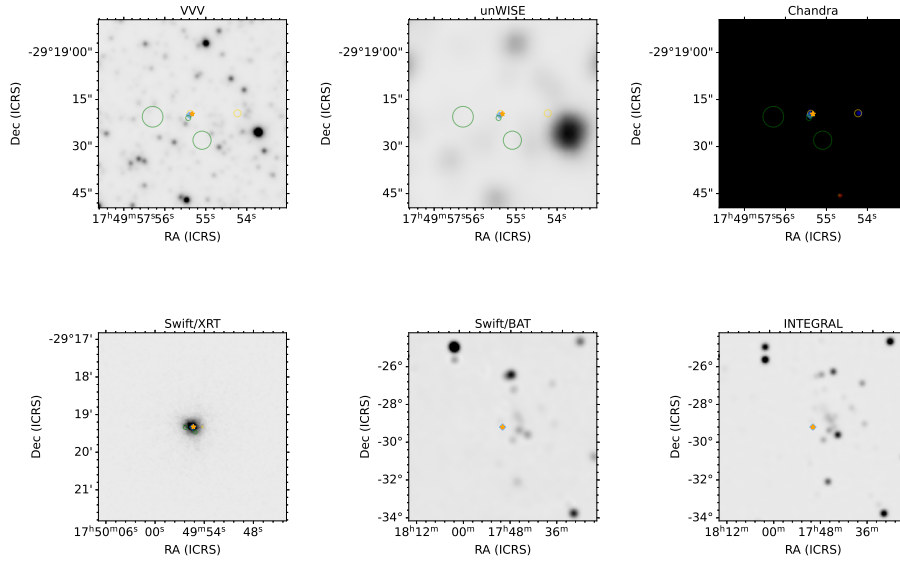
Alternative Name: J1749-2919
X-ray Type: XP, BO, XB, XT
Mean Distance [kpc]: 7.6
Distance-Reference: Linares et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 2.87

Compact Object

Orbital Period [d]: 0.160134
 Ritter & Kolb (2003)
Pulse Period [s]: 0.002494
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.4 - 580.0
soft X-ray variability: 1450.0

Optical Counterpart

Gaia DR3 Name:
J [mag]: 17.45(0.12)
H [mag]: 15.73(0.10)
K [mag]: 15.10(0.12)



1E 1746.7-3224

Coordinates

RA: 17^h50^m03^s.935
DEC: −32°25′50″.103
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 357.5
Galactic-latitude [deg]: −2.62
Coordinate-Reference: Evans et al. (2010)

Binary System

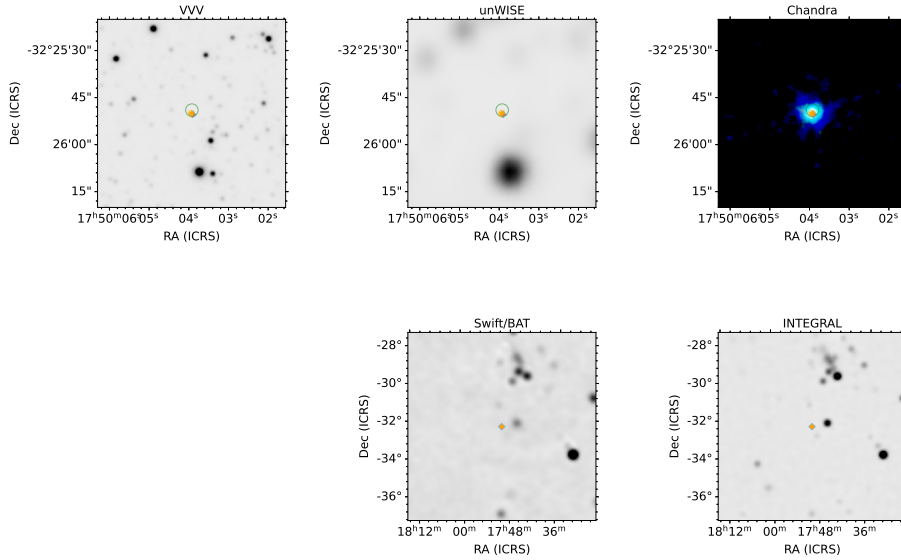
Alternative Name:
Hydrogen Column density [10^{21}cm^{-2}]: 2.42

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.4 - 40.0
soft X-ray variability: 28.57
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.03 - -

Optical Counterpart

Gaia DR3 Name:



4U 1746-37*Coordinates*

RA: 17^h50^m12^s.728
DEC: −37°03′006″.53
Position-uncertainty [arcsec] : 3.512×10^{-1}
Galactic-longitude [deg]: 353.53
Galactic-latitude [deg]: −5.01
Coordinate-Reference: Homer et al. (2002)

Binary System

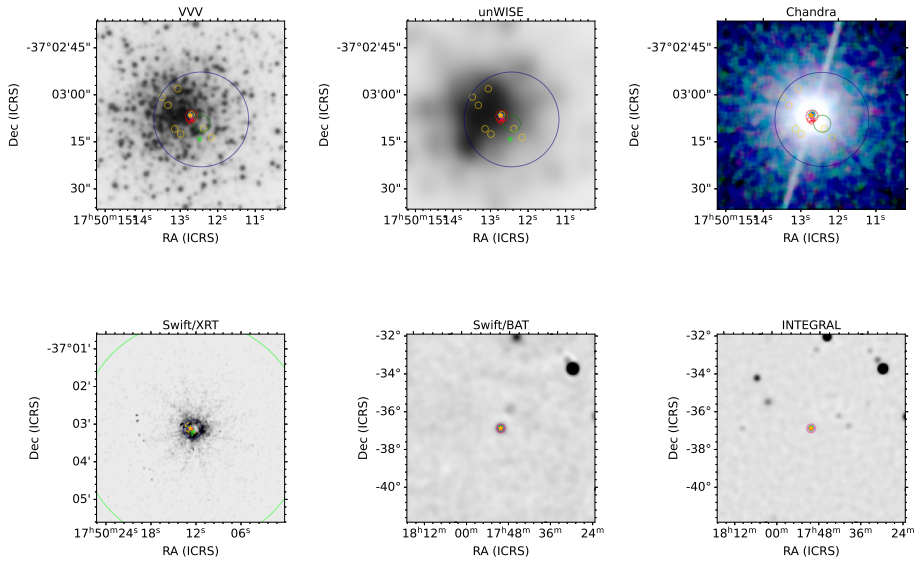
Alternative Name: 1746-3702
X-ray Type: GC, DS, XB, AS
Mean Distance [kpc]: 11.0
Distance Range [kpc]: 10.2 – 11.9
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.61

Compact Object

Orbital Period [d]: 0.215
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 735.27 - 948.4
soft X-ray variability: 1.29
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 29.31 - 948.4
hard X-ray variability: 32.35

Optical Counterpart

Gaia DR3 Name:
V [mag]: 8.430(0.020)



SAX J1750.8-2900

Coordinates

RA: 17^h50^m02^s.43
DEC: −29°02′00.15″
Position-uncertainty [arcsec]: 1.000×10^{-1}
Galactic-longitude [deg]: 0.45
Galactic-latitude [deg]: −0.95
Coordinate-Reference: Torres et al. (2008)

Binary System

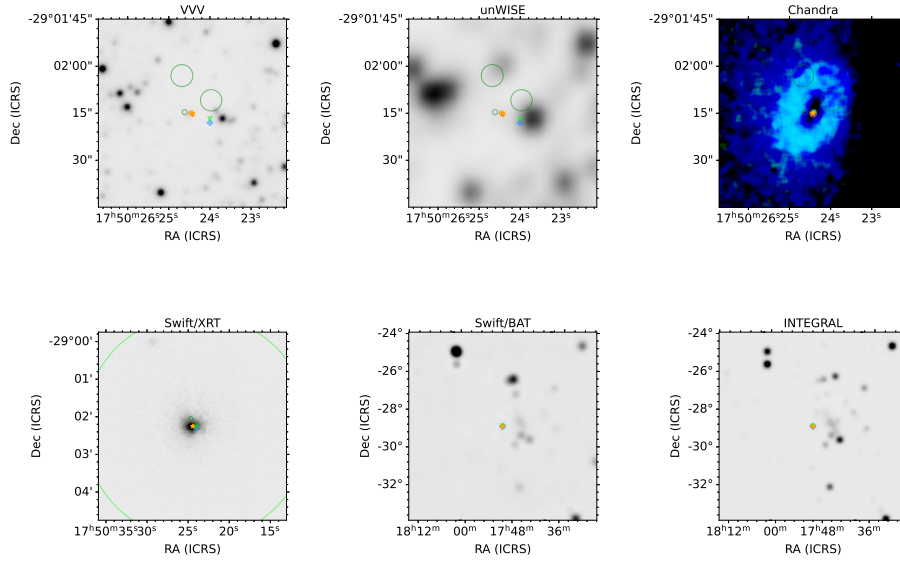
Alternative Name:
X-ray Type: AS?, XB, XT
Mean Distance [kpc]: 8.0
Distance-Reference: Heinke et al. (2019)
Hydrogen Column density [10^{21}cm^{-2}]: 3.0

Compact Object

Pulse Period [s]: 0.0017
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.05 - 480.0
soft X-ray variability: 10155.05
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 15.16 - 696.0
hard X-ray variability: 45.92

Optical Counterpart

Gaia DR3 Name:
K [mag]: 17.80(0.20)



EXO 1747-214*Coordinates*

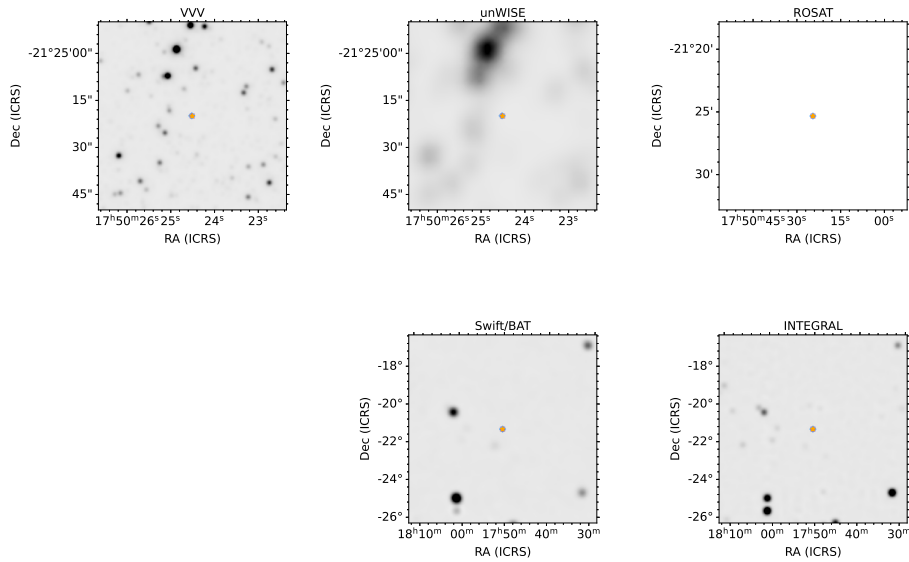
RA: 17^h50^m24^s.509
DEC: −21°25′19″.985
Position-uncertainty [arcsec] : 1.960×10^{-3}
Galactic-longitude [deg]: 7.0
Galactic-latitude [deg]: 2.95
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 5.69
Distance Range [kpc]: 2.26 – 7.94
Distance-Reference: Bailer-Jones et al. (2018)

Optical Counterpart

Gaia DR3 Name: 4118590585673834624
G [mag]: 20.296(0.008)
J [mag]: 16.89(0.08)
H [mag]: 16(17)
K [mag]: 16.06(0.09)



[ZGV2011] 5

Coordinates

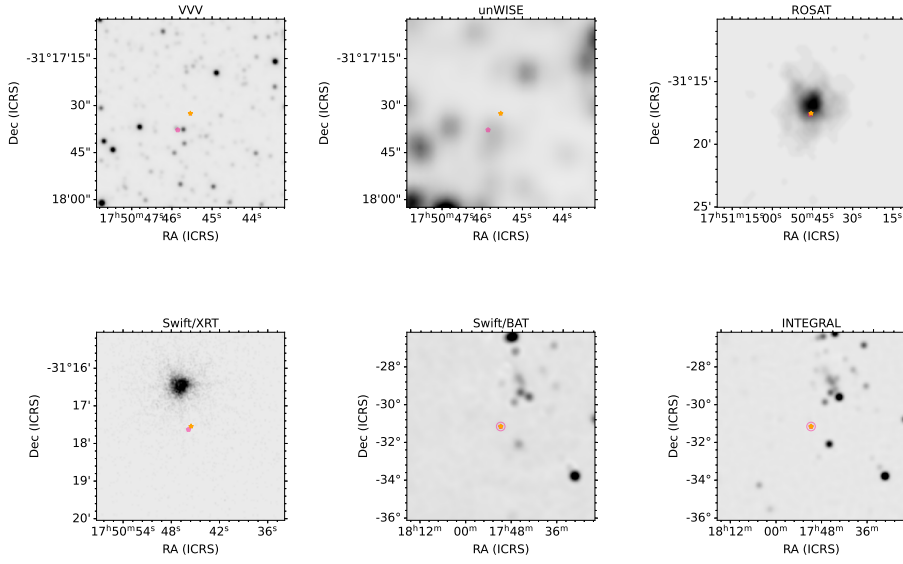
RA: $17^{\text{h}}50^{\text{m}}04^{\text{s}}.54$
DEC: $-31^{\circ}17'00.32''.5$
Galactic-longitude [deg]: 358.56
Galactic-latitude [deg]: -2.17
Coordinate-Reference: Zhang et al. (2011)

Binary System

Alternative Name:
X-ray Type: GC
Mean Distance [kpc]: 5.2
Distance Range [kpc]: 4.7 – 5.7
Distance-Reference: Ortolani et al. (1999)

Optical Counterpart

Gaia DR3 Name:



GRS 1747-312*Coordinates*

RA: 17^h50^m46^s.862
DEC: −31°16′028″.86
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 358.57
Galactic-latitude [deg]: −2.16
Coordinate-Reference: Evans et al. (2010)

Binary System

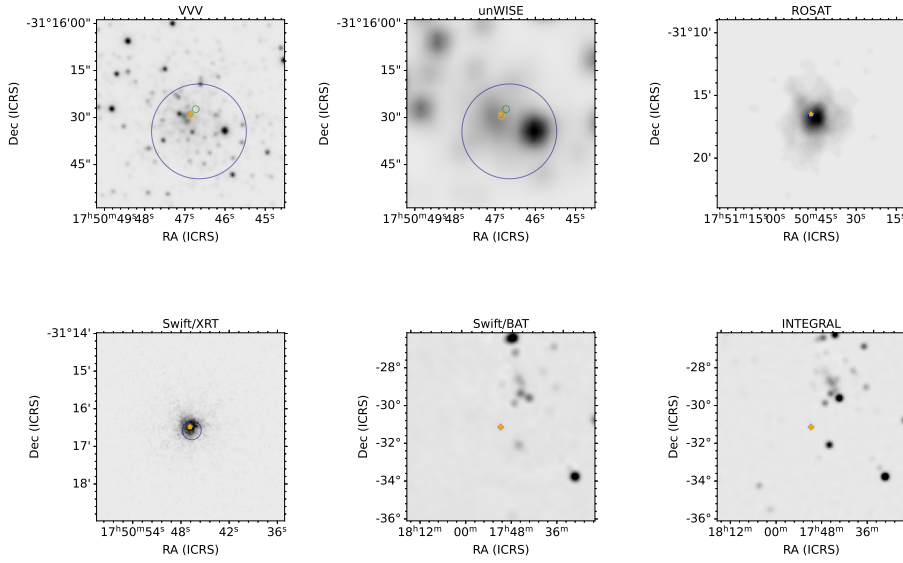
Alternative Name: 1747-3116
X-ray Type: DS, GC, EB, XB, XT
Mean Distance [kpc]: 9.5
Distance Range [kpc]: 7.0 – 12.8
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 1.4

Compact Object

Orbital Period [d]: 0.515
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.16 - 984.0
soft X-ray variability: 6150.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 192.0 - 720.0
hard X-ray variability: 3.75

Optical Counterpart

Gaia DR3 Name:



IGR J17511-3057

Coordinates

RA: 17^h51^m008^s.64
DEC: −30°57′0040″.7
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 358.88
Galactic-latitude [deg]: −2.07
Coordinate-Reference: Torres et al. (2009a)

Binary System

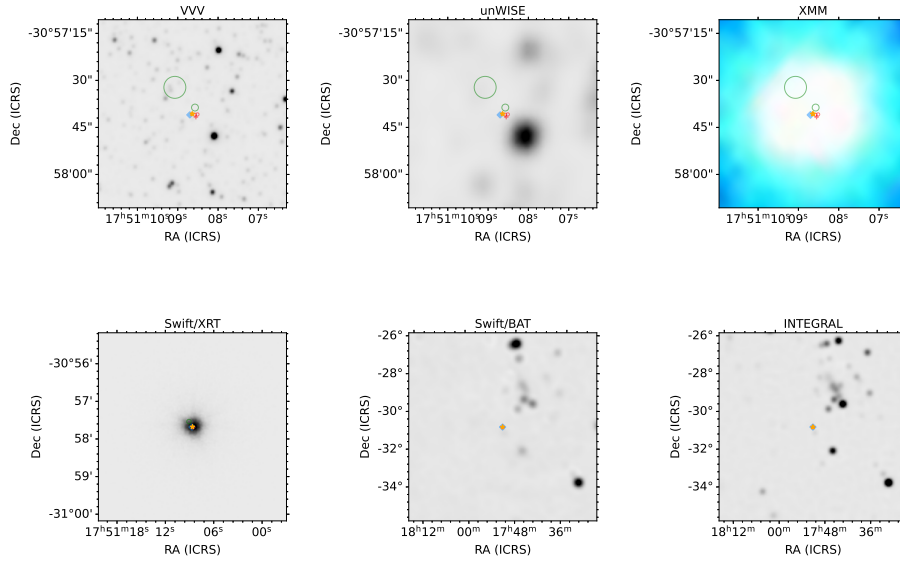
Alternative Name: J1751-3057
X-ray Type: XP, BO, XB, XT
Mean Distance [kpc]: 6.9
Distance-Reference: Altamirano et al. (2010b)
Hydrogen Column density [10^{21}cm^{-2}]: 1.85

Compact Object

Orbital Period [d]: 0.144531
 Ritter & Kolb (2003)
Pulse Period [s]: 0.00408
 Paizis et al. (2012)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.54 - 361.01
soft X-ray variability: 65.13

Optical Counterpart

Gaia DR3 Name:
K [mag]: 18.8



XTE J1751-305*Coordinates*

RA: 17^h51^m013^s.53
DEC: −30°37′0023″.8
Position-uncertainty [arcsec]: 2.000×10^{-1}
Galactic-longitude [deg]: 359.18
Galactic-latitude [deg]: −1.91
Coordinate-Reference: Wang et al. (2002)

Binary System

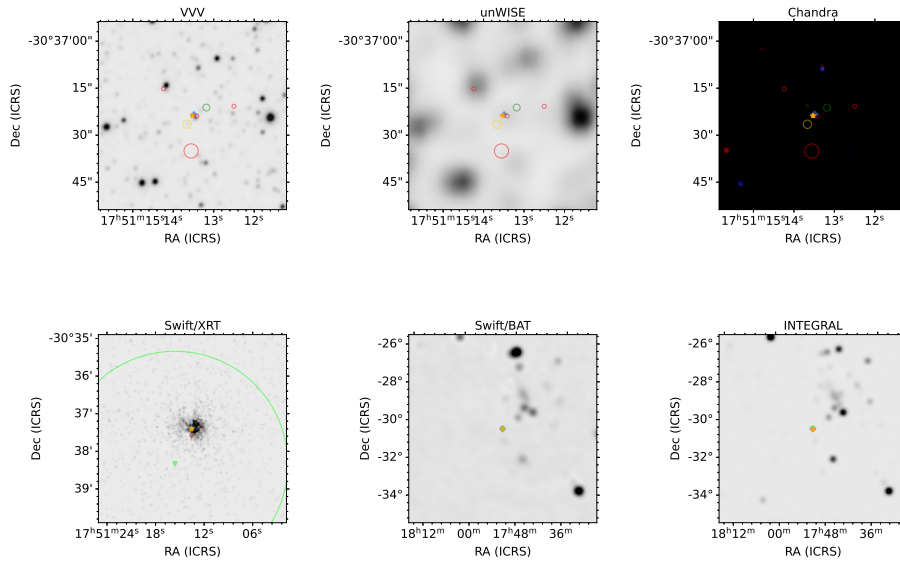
Alternative Name: J1751-3037
X-ray Type: XP, XT
Mean Distance [kpc]: 7.6
Distance Range [kpc]: 6.7 – 8.5
Distance-Reference: Papitto et al. (2008)
Hydrogen Column density [10^{21}cm^{-2}]: 0.98

Compact Object

Orbital Period [d]: 0.029583333333333333
 Liu et al. (2007)
Pulse Period [s]: 0.0023
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 337.33
soft X-ray variability: 244947.8
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 3.0 - 10.47
hard X-ray variability: 3.49

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD
 Yu et al. (2021)
J [mag]: 19.20(0.20)



XTE J1752-223

Coordinates

RA: 17^h52^m015^s.09
DEC: −22°20′0032″.4
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 6.42
Galactic-latitude [deg]: 2.11
Coordinate-Reference: Torres et al. (2009b)

Binary System

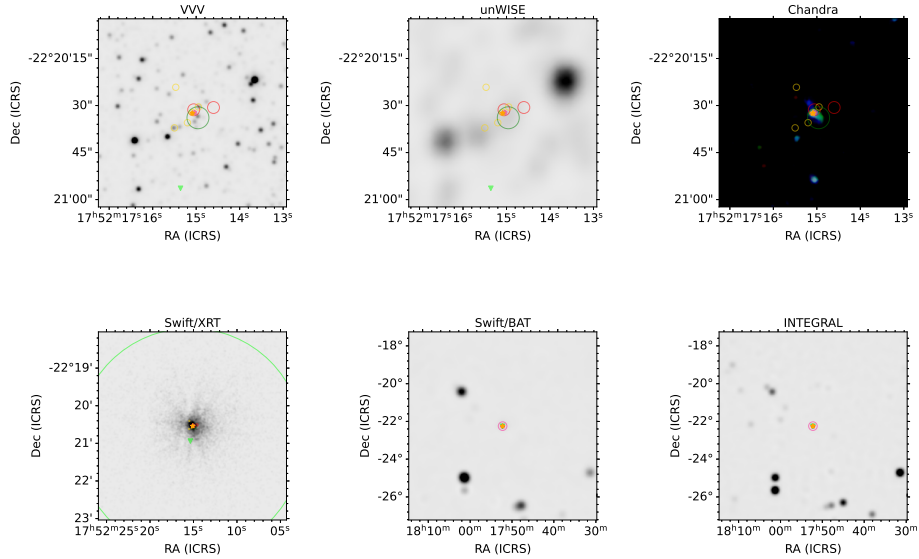
Alternative Name:
X-ray Type: XT, BH
Mean Distance [kpc]: 6.0
Distance Range [kpc]: 3.1 – 8.0
Distance-Reference: Ratti et al. (2012)
Hydrogen Column density [10^{21}cm^{-2}]: 0.86

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 12.18 - 855.27
soft X-ray variability: 70.22
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 14.73 - 146.5
hard X-ray variability: 9.95

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M0
 López et al. (2019)
G [mag]: 21.20(0.30)
K [mag]: 19.6



GX 1.1-01.0

Coordinates

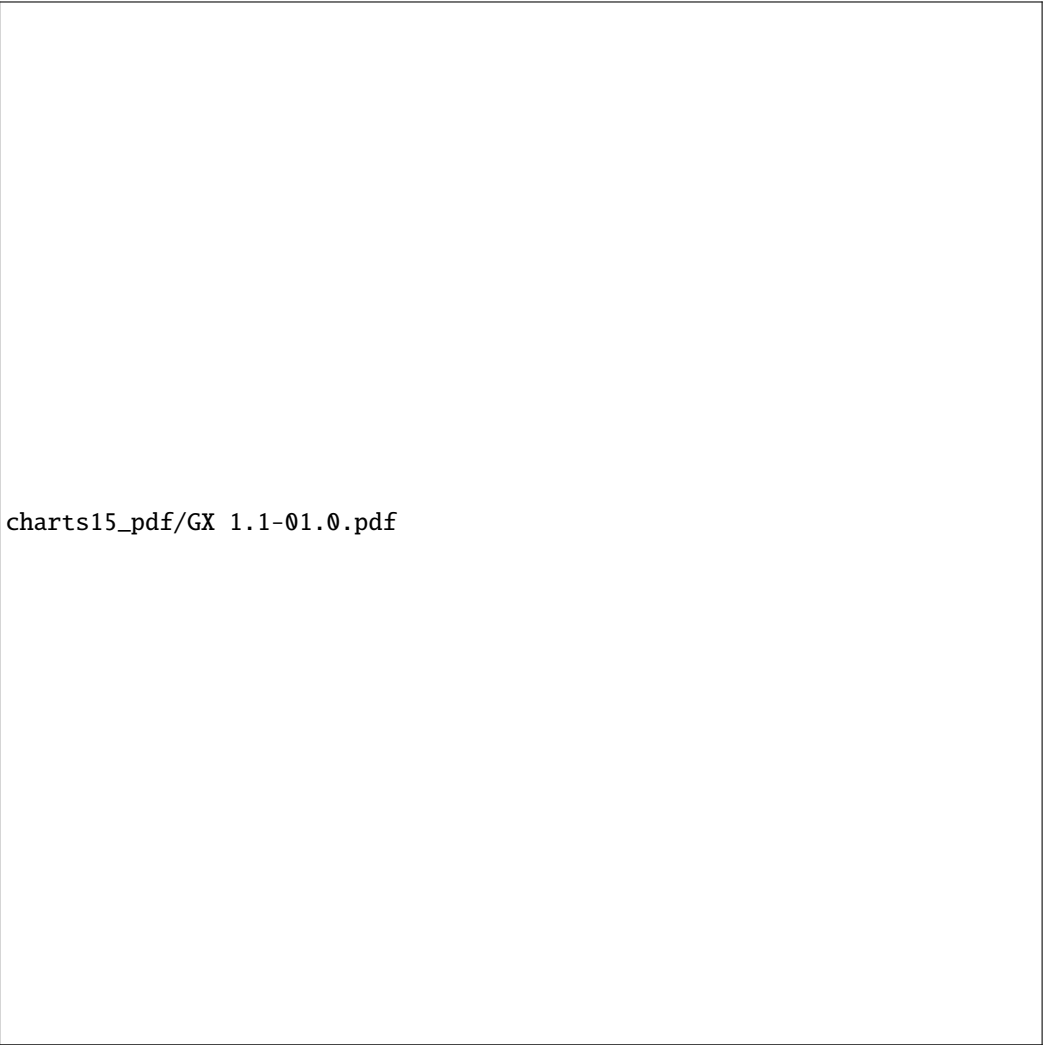
RA: 17^h52^m00.16^s0
DEC: −28°30′00.22″0
Galactic-longitude [deg]: 1.12
Galactic-latitude [deg]: −1.03
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name: 1RXS J175229.0-282951
X-ray Type: XT
Mean Distance [kpc]: 10.0
Distance-Reference: Campana et al. (1998)

Optical Counterpart

Gaia DR3 Name:



SAX J1752.3-3138

Coordinates

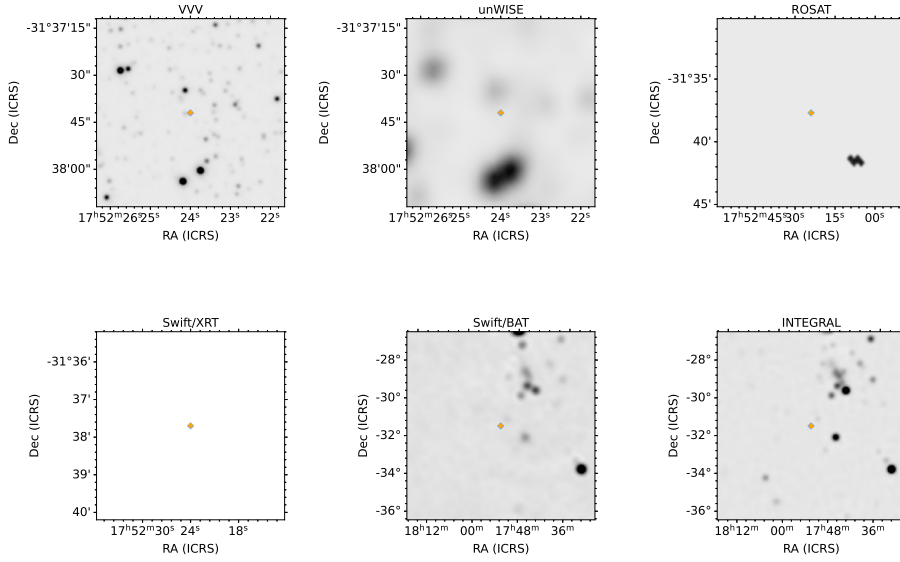
RA: 17^h52^m00.24^s0
DEC: −31°37′00.42″0
Galactic-longitude [deg]: 358.44
Galactic-latitude [deg]: −2.64
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XB
Mean Distance [kpc]: 9.0
Distance-Reference: Cocchi et al. (2001)

Optical Counterpart

Gaia DR3 Name:



Swift J175233.9-290952

Coordinates

RA: $17^{\text{h}}52^{\text{m}}03^{\text{s}}.97$
DEC: $-29^{\circ}09'00.52''3$
Position-uncertainty [arcsec]: 4.600×10^0
Galactic-longitude [deg]: 0.59
Galactic-latitude [deg]: -1.42
Coordinate-Reference: Bahramian et al. (2017a)

Binary System

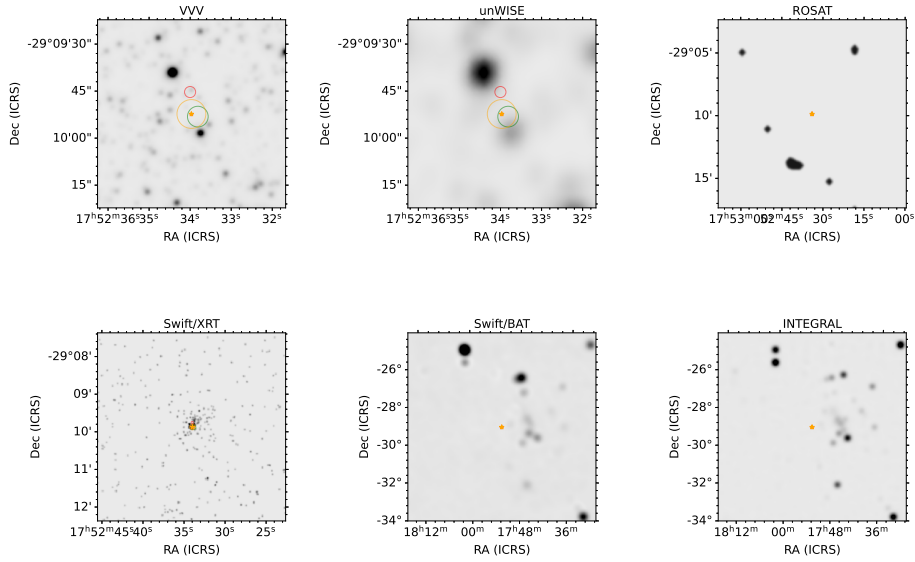
Alternative Name:
X-ray Type: XT
Hydrogen Column density [10^{21}cm^{-2}]: 0.76

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 2.22
soft X-ray variability: 239.26

Optical Counterpart

Gaia DR3 Name:



SWIFT J1753.5-0127

Coordinates

RA: 17^h53^m28^s.291
DEC: −01°27′06″.313
Position-uncertainty [arcsec]: 8.423×10^{-5}
Galactic-longitude [deg]: 24.9
Galactic-latitude [deg]: 12.19
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

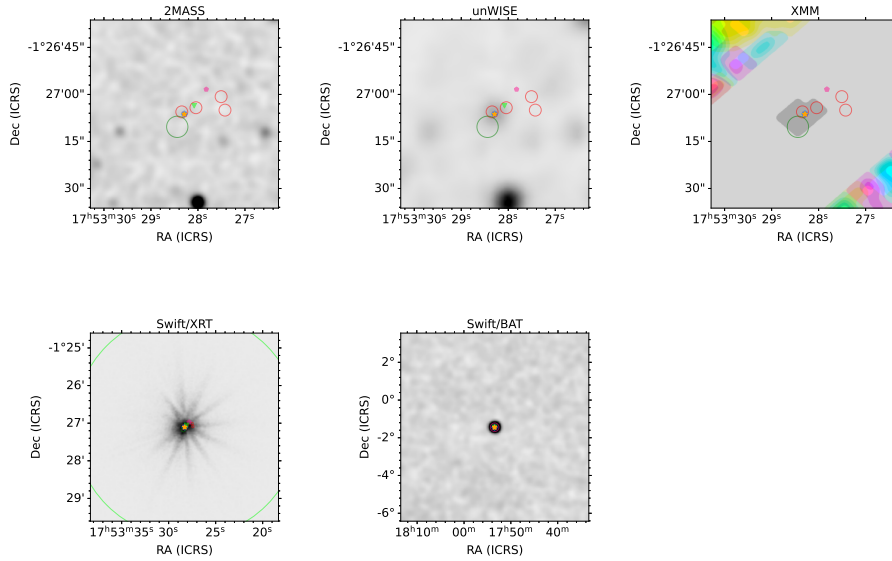
Alternative Name: J1753-0127
X-ray Type: XT, MQ?, BH?, PSH, RP
Mean Distance [kpc]: 8.8
Distance Range [kpc]: 2.5 – 20.8
Distance-Reference: Atri et al. (2019)
Hydrogen Column density [10^{21}cm^{-2}]: 0.26

Compact Object

Orbital Period [d]: 0.13517916666666666
 Zurita et al. (2008)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 4.68 - 560.15
soft X-ray variability: 119.73
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 855.71
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 4178766135477201408
Spectral Type: K0V/G0V
 Cadolle Bel et al. (2007)
G [mag]: 16.715(0.007)
V [mag]: 16.460(0.020)
J [mag]: 15.35(0.06)
H [mag]: 15.11(0.07)
K [mag]: 14.73(0.15)
W1 [mag]: 14.980(0.020)
W2 [mag]: 14.372(0.019)



SAX J1753.5-2349*Coordinates*

RA: 17^h53^m031^s.87
DEC: −23°49′014″.83
Position-uncertainty [arcsec] : 7.000×10^{-1}
Galactic-longitude [deg]: 5.3
Galactic-latitude [deg]: 1.11
Coordinate-Reference: Shaw et al. (2017)

Binary System

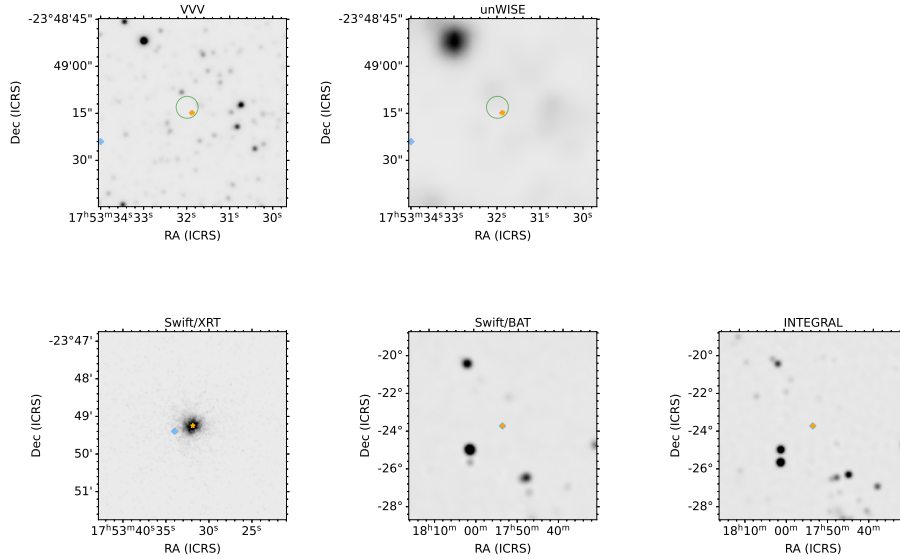
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 9.0
Distance-Reference: Cocchi et al. (2001)
Hydrogen Column density [10^{21}cm^{-2}]: 2.1

Compact Object

Orbital Period [d]: 0.625
 Shaw et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.02 - 23694.79
soft X-ray variability: 1160000.0

Optical Counterpart

Gaia DR3 Name:
H [mag]: 18.580(0.030)
K [mag]: 17.440(0.020)



AX J1754.2-2754

Coordinates

RA: 17^h54^m014^s.47
DEC: −27°54′035″.34
Position-uncertainty [arcsec]: 1.000×10^0
Galactic-longitude [deg]: 1.85
Galactic-latitude [deg]: −1.1
Coordinate-Reference: Shaw et al. (2017)

Binary System

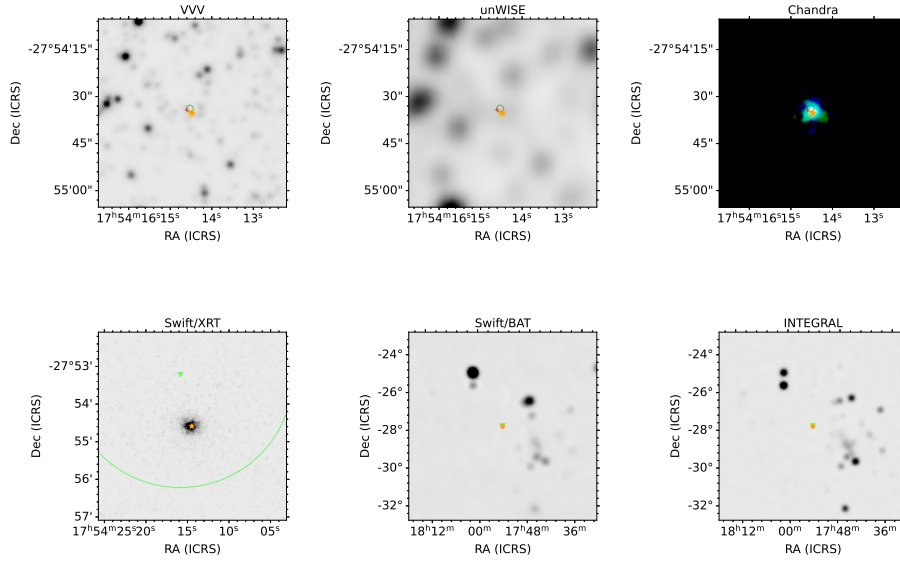
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 9.2
Distance Range [kpc]: 6.3 – 9.6
Distance-Reference: Chelovekov & Grebenev (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 2.0

Compact Object

Orbital Period [d]: 5.4
 Shaw et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2.42 - 10.32
soft X-ray variability: 4.26
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 4.86
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:
K [mag]: 18.12(0.15)



XTE J1755-324

Coordinates

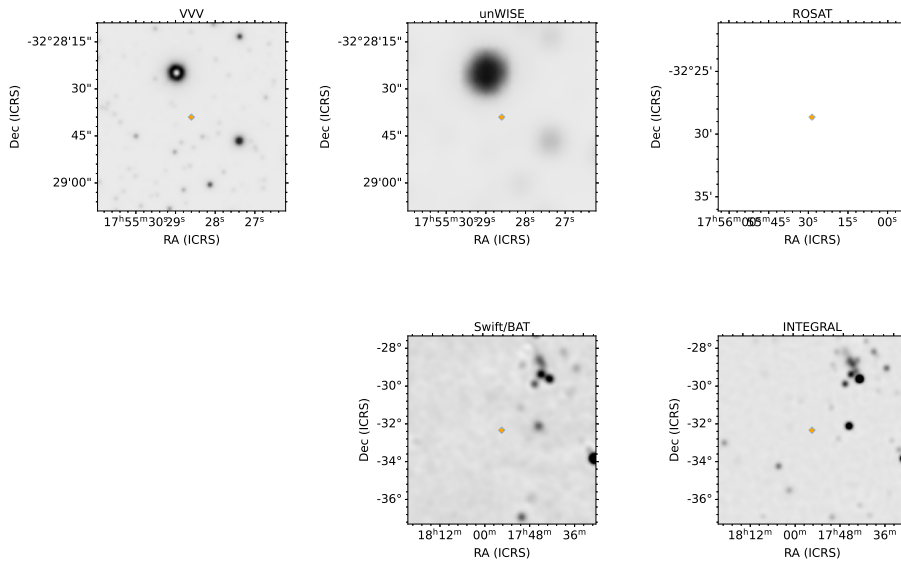
RA: $17^{\text{h}}55^{\text{m}}00.28^{\text{s}}6$
DEC: $-32^{\circ}28'00.39''0$
Galactic-longitude [deg]: 358.04
Galactic-latitude [deg]: -3.63
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XT

Optical Counterpart

Gaia DR3 Name:
V [mag]: 10.79(0.05)



AX J1755.7-2818

Coordinates

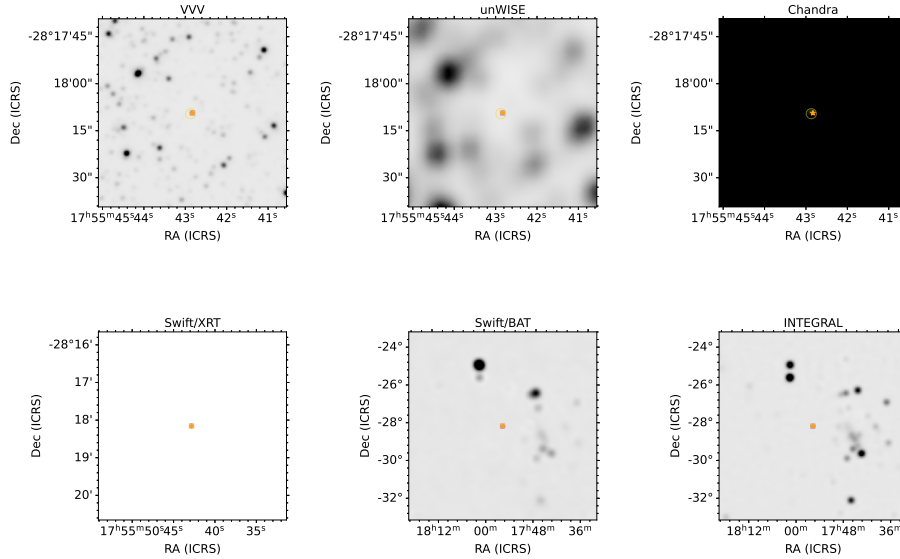
RA: 17^h55^m42^s.831
DEC: −28°18′09″.366
Position-uncertainty [arcsec] : 2.729×10^{-4}
Galactic-longitude [deg]: 1.68
Galactic-latitude [deg]: −1.58
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
Mean Distance [kpc]: 0.71
Distance Range [kpc]: 0.68 – 0.73
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.06

Optical Counterpart

Gaia DR3 Name: 4063384450408345216
G [mag]: 18.685(0.006)
J [mag]: 16.04(0.15)
H [mag]: 15(16)
K [mag]: 15.02(0.12)



CXOGBS J175553.2-281633*Coordinates*

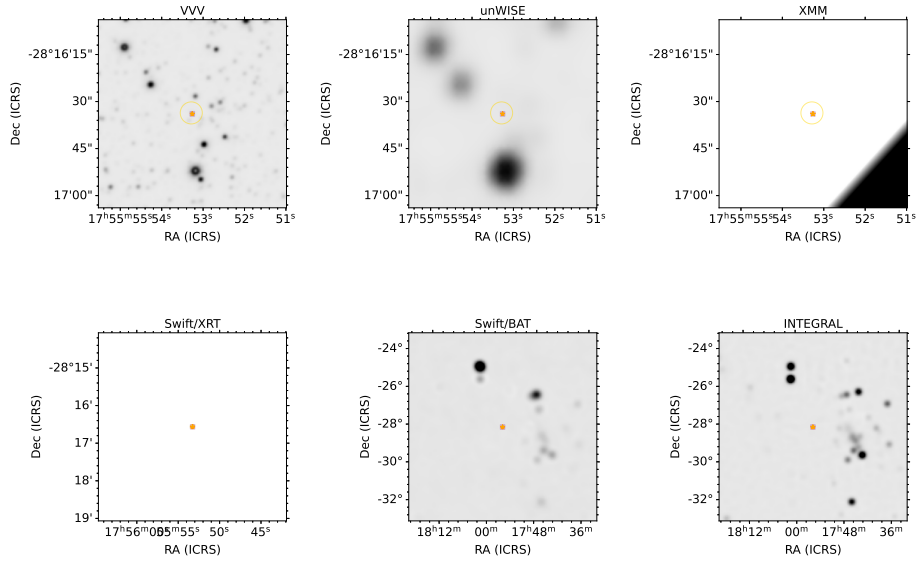
RA: 17^h55^m53^s.262
DEC: −28°16′33″.956
Position-uncertainty [arcsec] : 5.525×10^{-5}
Galactic-longitude [deg]: 1.72
Galactic-latitude [deg]: −1.6
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
Mean Distance [kpc]: 0.9
Distance Range [kpc]: 0.82 – 0.92
Distance-Reference: Anders et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.23

Optical Counterpart

Gaia DR3 Name: 4062657359687091584
G [mag]: 16.224(0.004)
V [mag]: 16.42799949645996
J [mag]: 14.369(0.026)
H [mag]: 14(14)
K [mag]: 13.572(0.027)



SWIFT J1756.9-2508

Coordinates

RA: 17^h56^m00.57^s2
DEC: −25°06′00.28″1
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 4.58
Galactic-latitude [deg]: −0.21
Coordinate-Reference: Burderi et al. (2007)

Binary System

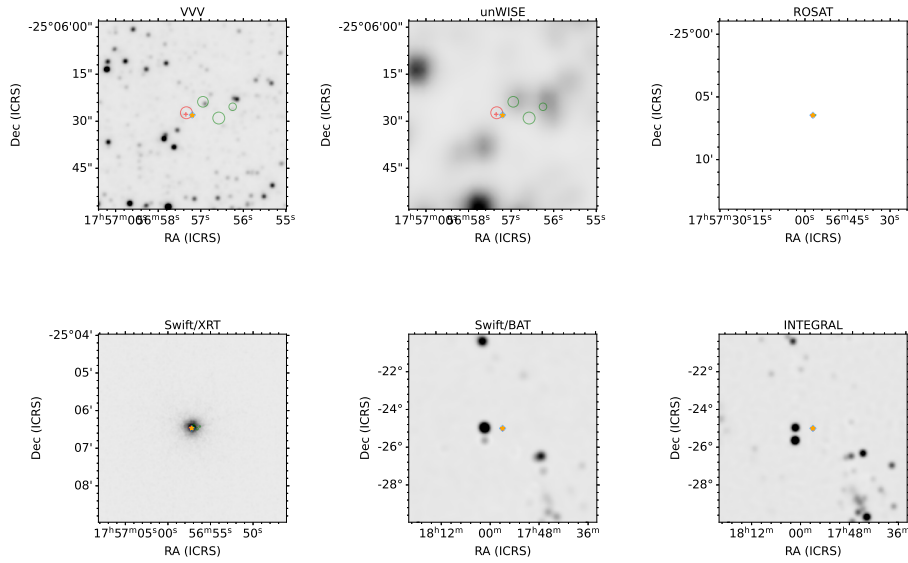
Alternative Name: J1756-2506
X-ray Type: XP, XT
Mean Distance [kpc]: 8.5
Distance-Reference: Koliopanos et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

Orbital Period [d]: 0.03799
 Ritter & Kolb (2003)
Pulse Period [s]: 0.005493
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 161.75
soft X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:
K [mag]: 21.00(0.10)



1RXS J175721.2-304405*Coordinates*

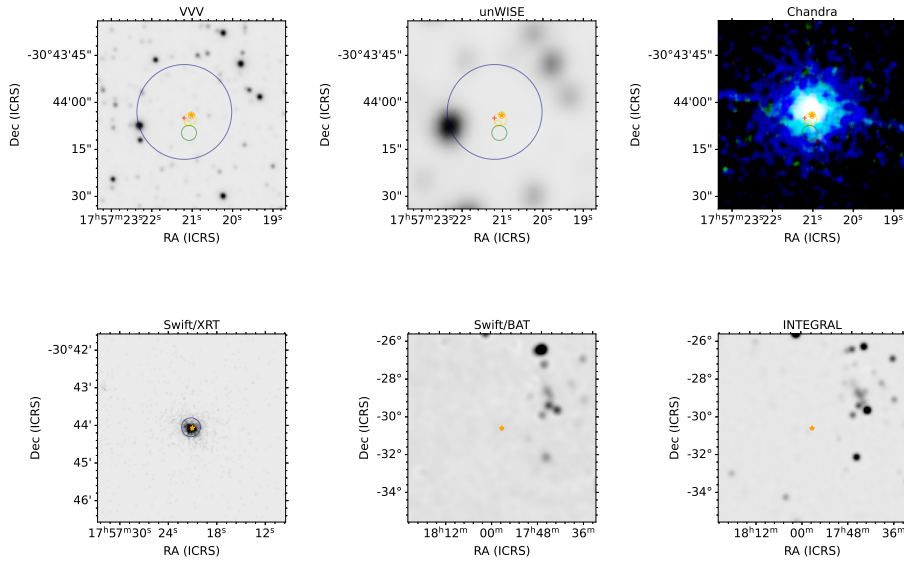
RA: $17^{\text{h}}57^{\text{m}}21^{\text{s}}.019$
DEC: $-30^{\circ}44'00''.06$
Position-uncertainty [arcsec]: 1.006×10^0
Galactic-longitude [deg]: 359.75
Galactic-latitude [deg]: -3.11
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
X-ray Type: XT, EB
Mean Distance [kpc]: 8.0
Distance-Reference: Maeda et al. (2013)
Hydrogen Column density [10^{21}cm^{-2}]: 0.92

Optical Counterpart

Gaia DR3 Name:



IGR J17585-3057

Coordinates

RA: $17^{\text{h}}58^{\text{m}}29^{\text{s}}.821$
DEC: $-30^{\circ}57'01''.532$
Position-uncertainty [arcsec]: 5.313×10^{-4}
Galactic-longitude [deg]: 359.69
Galactic-latitude [deg]: -3.43
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

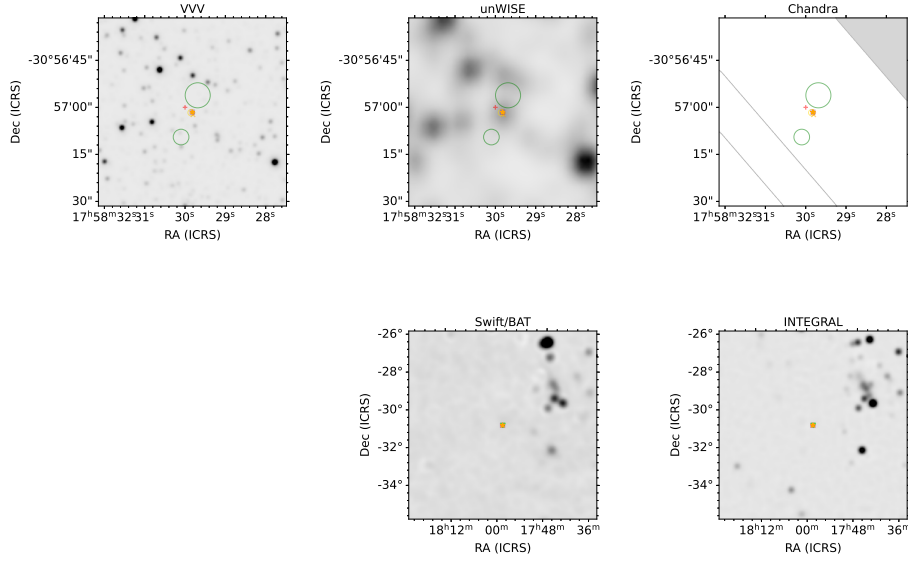
Alternative Name:
Mean Distance [kpc]: 7.05
Distance Range [kpc]: 2.72 – 11.08
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 1.77

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.43
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name: 4044163406621956992
G [mag]: 19.736(0.009)
J [mag]: 16.01(0.08)
H [mag]: 14.97(0.06)
K [mag]: 14.16(0.04)
W1 [mag]: 11.733(0.010)
W2 [mag]: 11.191(0.009)



4U 1755-33*Coordinates*

RA: 17^h58^m40^s.028
DEC: −33°48′27″.033
Position-uncertainty [arcsec] : 5.824×10^{-4}
Galactic-longitude [deg]: 357.22
Galactic-latitude [deg]: −4.87
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

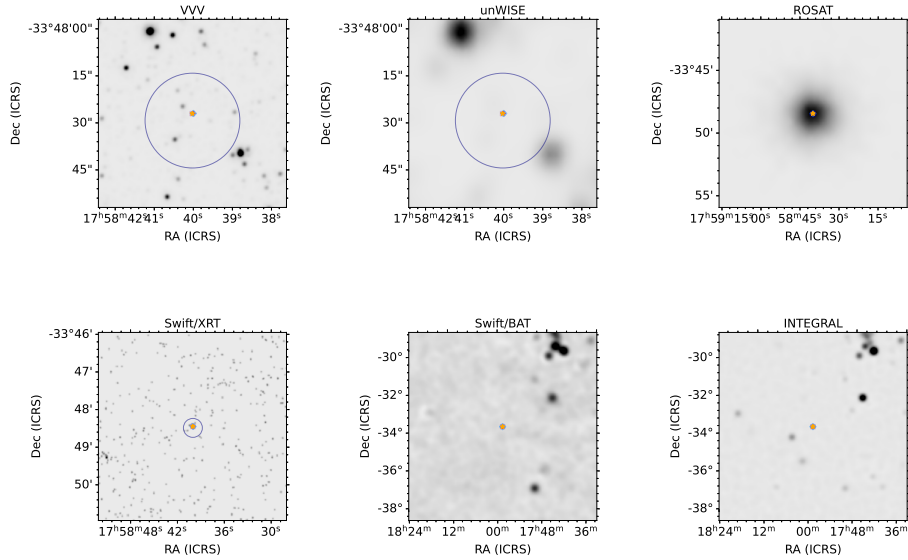
Alternative Name: V4134 Sgr
X-ray Type: DS, BH?, XT, US
Mean Distance [kpc]: 8.44
Distance Range [kpc]: 4.89 – 11.53
Distance-Reference: Bailer-Jones et al. (2018)

Compact Object

Orbital Period [d]: 0.18333333333333335
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 4042473487415175168
G [mag]: 19.539(0.008)
V [mag]: 18.5



IGR J17591-2342

Coordinates

RA: 17^h59^m00^s.87
DEC: −23°43′00.8″.2
Position-uncertainty [arcsec] : 3.000×10^{-2}
Galactic-longitude [deg]: 6.02
Galactic-latitude [deg]: 0.07
Coordinate-Reference: Shaw et al. (2018)

Binary System

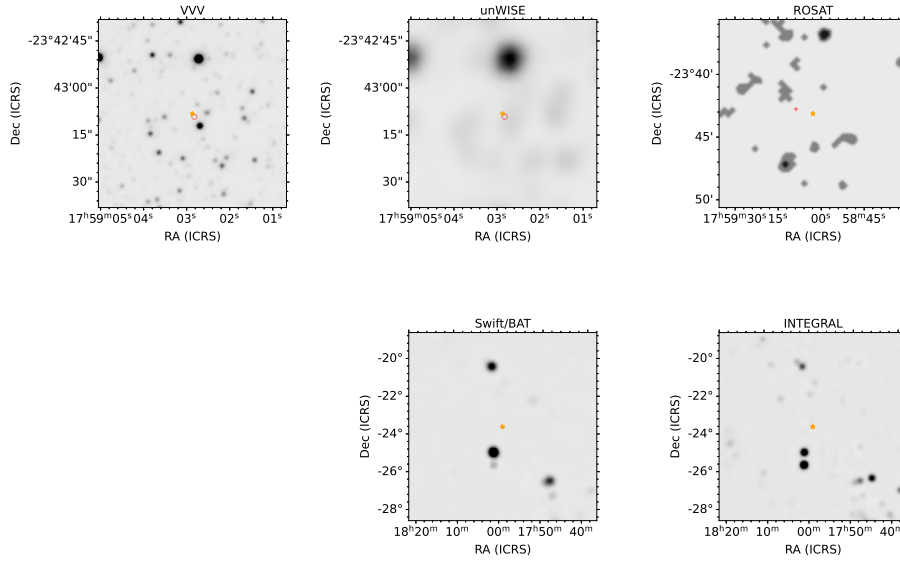
Alternative Name:
X-ray Type: XT, XP
Mean Distance [kpc]: 7.6
Distance Range [kpc]: 6.9 – 8.3
Distance-Reference: Kuiper et al. (2020)
Hydrogen Column density [10^{21}cm^{-2}]: 3.6

Compact Object

Orbital Period [d]: 0.3668287037037037
 Sanna et al. (2018c)
Pulse Period [s]: 0.001897
 Sanna et al. (2018c)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G?
 Sanna et al. (2018c)
H [mag]: 19.56(0.07)
K [mag]: 18.37(0.07)



IGR J17597-2201*Coordinates*

RA: 17^h59^m45^s.518
DEC: −22°01′039″.48
Position-uncertainty [arcsec]: 1.100×10^{-1}
Galactic-longitude [deg]: 7.57
Galactic-latitude [deg]: 0.77
Coordinate-Reference: Fortin et al. (2018)

Binary System

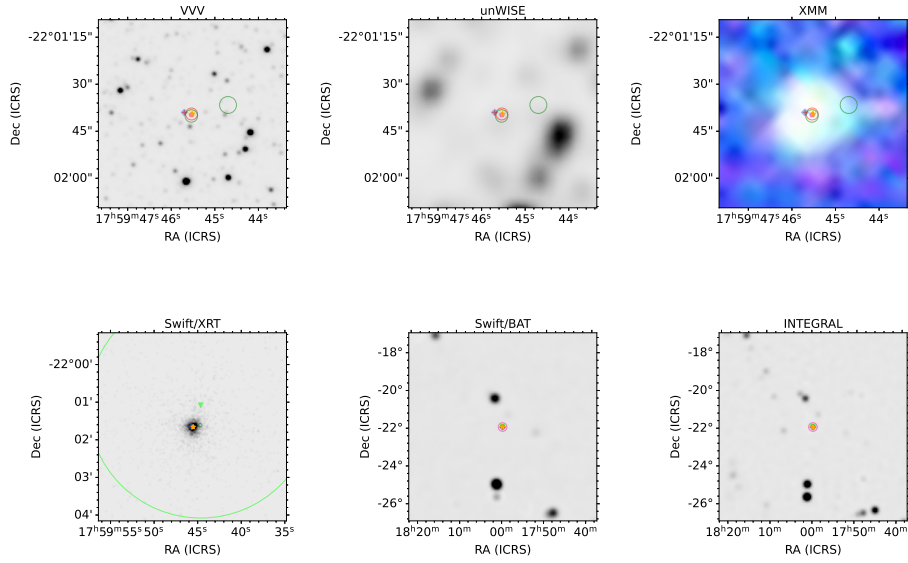
Alternative Name: XTE J1759-220
X-ray Type: XB, DS
Mean Distance [kpc]: 7.5
Distance Range [kpc]: 5.0 – 10.0
Distance-Reference: Lutovinov et al. (2005b)
Hydrogen Column density [10^{21}cm^{-2}]: 3.87

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 2.31 - 12000.0
soft X-ray variability: 5202.66
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 18.98 - 39.47
hard X-ray variability: 2.08

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G8-K0III
Fortin et al. (2018)
J [mag]: 16.525(0.018)
H [mag]: 14.791(0.009)
K [mag]: 13.865(0.009)



GX 5-1

Coordinates

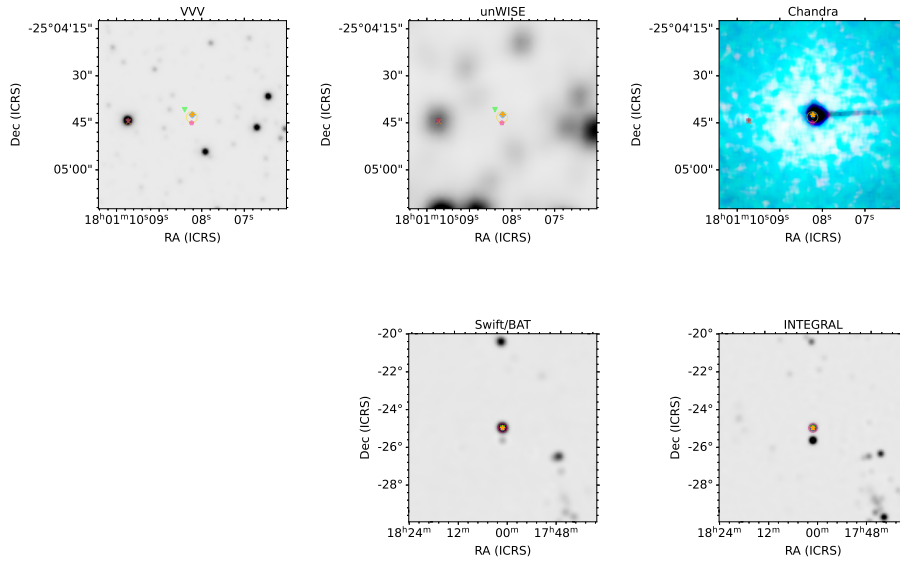
RA: 18^h01^m08^s.222
DEC: −25°04′042″.46
Position-uncertainty [arcsec]: 3.500×10^{-1}
Galactic-longitude [deg]: 5.08
Galactic-latitude [deg]: −1.02
Coordinate-Reference: Jonker et al. (2000)

Binary System

Alternative Name: 3U 1758-25
X-ray Type: ZS, RP
Mean Distance [kpc]: 4.7
Distance Range [kpc]: 1.9 – 6.0
Distance-Reference: Clark (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 2.75

Optical Counterpart

Gaia DR3 Name: 4064425722307189888
Spectral Type: G?
Bandyopadhyay et al. (2003)
G [mag]: 11.2062(0.0028)
V [mag]: 11.08(0.04)
J [mag]: 16.77(0.04)
H [mag]: 15.63(0.05)
K [mag]: 14.93(0.06)
W1 [mag]: 9.430(0.012)
W2 [mag]: 9.504(0.008)



GRS 1758-258*Coordinates*

RA: 18^h01^m00.12^s.4
DEC: −25°44′00.36″.2
Position-uncertainty [arcsec]: 2.828×10^{-1}
Galactic-longitude [deg]: 4.51
Galactic-latitude [deg]: −1.36
Coordinate-Reference: Luque-Escamilla et al. (2014)

Binary System

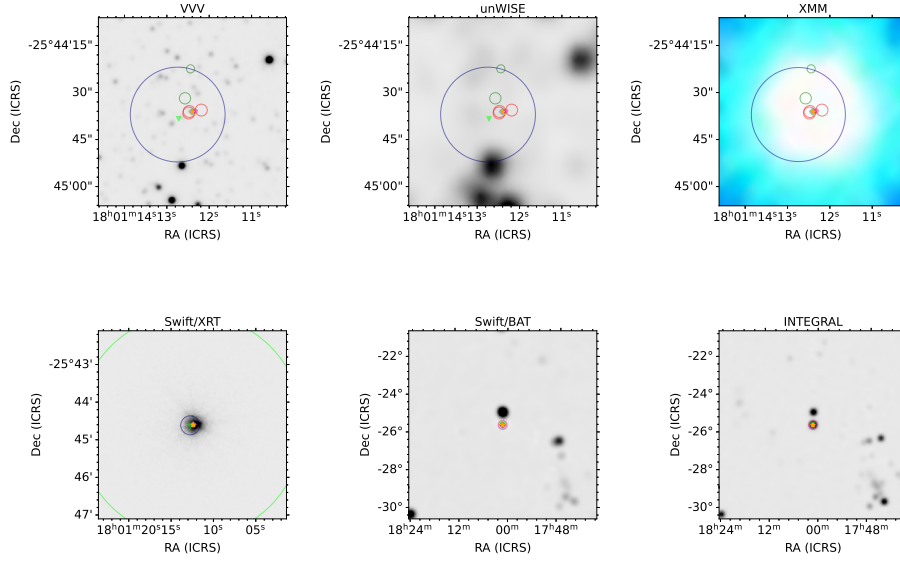
Alternative Name: 1758-2544
X-ray Type: RP, BH?, MQ, XT, US
Mean Distance [kpc]: 8.5
Distance-Reference: Grimm et al. (2002)
Hydrogen Column density [10^{21}cm^{-2}]: 2.5

Compact Object

Orbital Period [d]: 0.58
 Martí et al. (2016)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 20.64 - 733.06
soft X-ray variability: 35.52
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.09 - 656.08
hard X-ray variability: 107.73

Optical Counterpart

Gaia DR3 Name:
Spectral Type: A5V?
 Martí et al. (2016)
J [mag]: 17.400(0.020)
H [mag]: 19.060(0.010)



GX 9+1

Coordinates

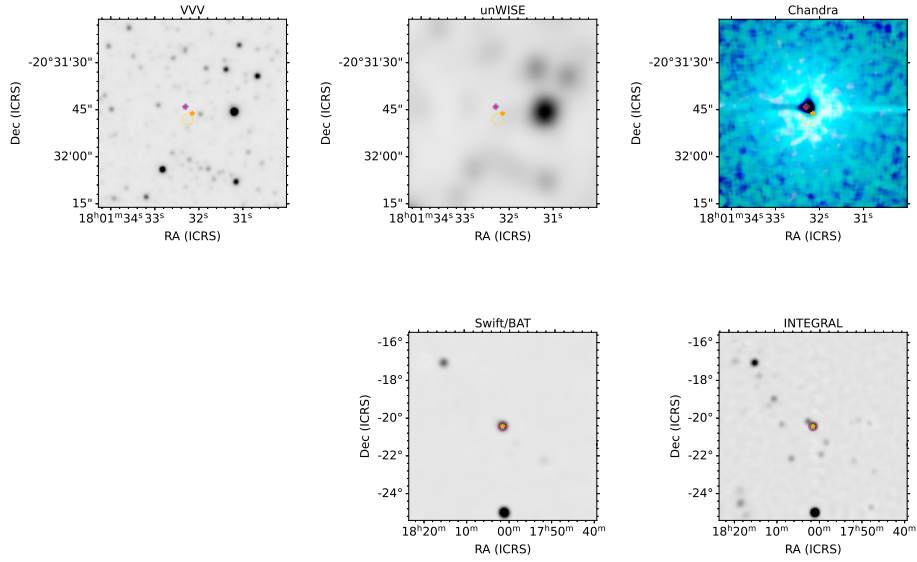
RA: $18^{\text{h}}01^{\text{m}}032^{\text{s}}.15$
DEC: $-20^{\circ}31'0046''.2$
Position-uncertainty [arcsec]: 1.600×10^{-1}
Galactic-longitude [deg]: 9.08
Galactic-latitude [deg]: 1.15
Coordinate-Reference: Curran et al. (2011)

Binary System

Alternative Name: 3U 1758-20
X-ray Type: AS
Mean Distance [kpc]: 4.4
Distance Range [kpc]: 3.1 – 5.7
Distance-Reference: Iaria et al. (2005)
Hydrogen Column density [10^{21}cm^{-2}]: 0.8

Optical Counterpart

Gaia DR3 Name:
J [mag]: 16.754(0.027)
H [mag]: 15.667(0.028)
K [mag]: 15.084(0.029)



MAXI J1803-298*Coordinates*

RA: $18^{\text{h}}03^{\text{m}}02^{\text{s}}.789$
DEC: $-29^{\circ}49'49''.656$
Position-uncertainty [arcsec]: 6.100×10^{-1}
Galactic-longitude [deg]: 1.15
Galactic-latitude [deg]: -3.73
Coordinate-Reference: Gropp et al. (2021)

Binary System

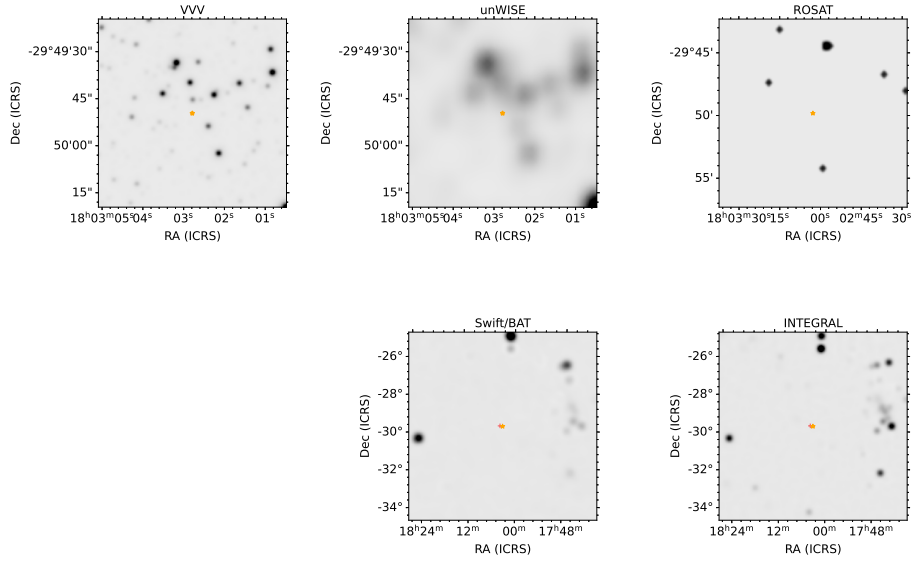
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 8.0
Distance Range [kpc]: 6.0 – 11.0
Distance-Reference: Mata Sánchez et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

Compact Object

Orbital Period [d]: 0.32083333333333336
Homan et al. (2021)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 10.41 - 9181.58
soft X-ray variability: 882.35
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.2 - 1836.32
hard X-ray variability: 352.94

Optical Counterpart

Gaia DR3 Name:
Spectral Type: em
Skiff (2014)
G [mag]: 20.7(0.5)
V [mag]: 19.61(0.10)



1RXS J180408.9-342058

Coordinates

RA: 18^h04^m08^s.371
DEC: −34°20′51″.612
Position-uncertainty [arcsec] : 5.000×10^{-1}
Galactic-longitude [deg]: 357.3
Galactic-latitude [deg]: −6.13
Coordinate-Reference: Baglio et al. (2015)

Binary System

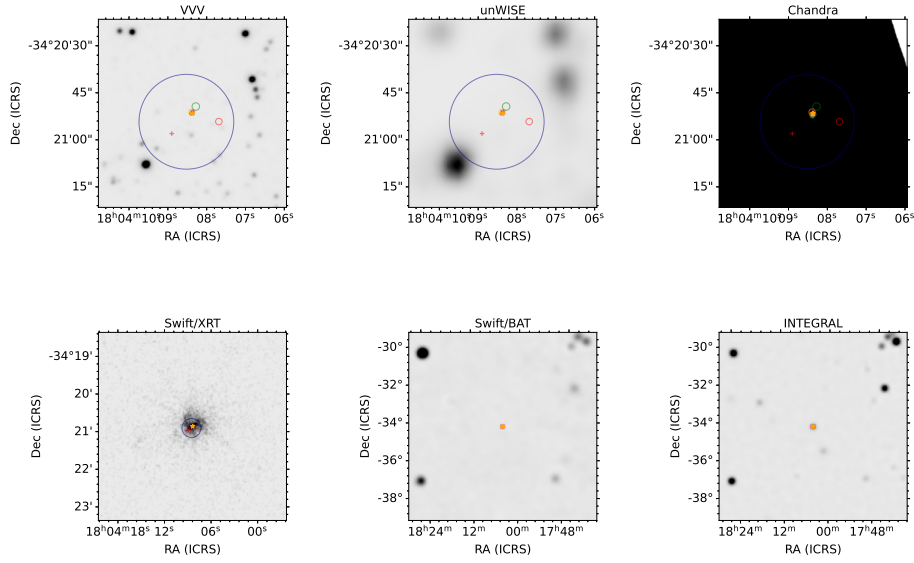
Alternative Name:
X-ray Type: XT, XB, AS
Hydrogen Column density [10^{21}cm^{-2}]: 0.36

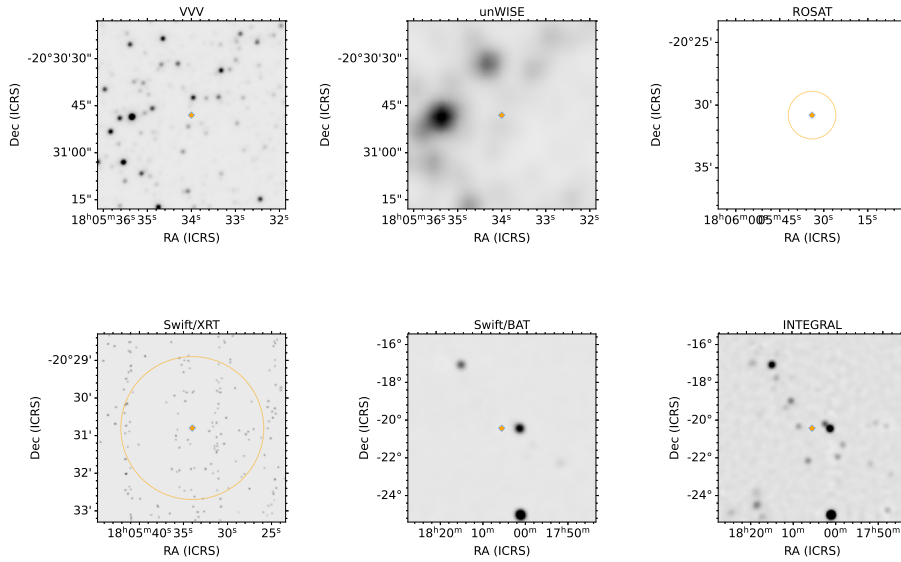
Compact Object

Orbital Period [d]: 0.02777777777777776
 Baglio et al. (2016)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.07 - 1073.73
soft X-ray variability: 15821.63

Optical Counterpart

Gaia DR3 Name: 4042163562572848384
Spectral Type: H/He WD?
 Baglio et al. (2016)
G [mag]: 17.62(0.12)
V [mag]: 17.10(0.10)
J [mag]: 15.79(0.12)
K [mag]: 14.68(0.26)



SAX J1805.5-2031*Coordinates***RA:** 18^h05^m00.34^s0**DEC:** −20°30′00.48″0**Position-uncertainty** [arcsec] : 1.140×10^2 **Galactic-longitude** [deg]: 9.55**Galactic-latitude** [deg]: 0.34**Coordinate-Reference:** Lowes et al. (2002)*Binary System***Alternative Name:****X-ray Type:** XT*Optical Counterpart***Gaia DR3 Name:**

SAX J1806.5-2215

Coordinates

RA: 18^h06^m032^s.17
DEC: −22°14′017″.32
Position-uncertainty [arcsec] : 5.831×10^{-2}
Galactic-longitude [deg]: 8.16
Galactic-latitude [deg]: −0.7
Coordinate-Reference: Kaur et al. (2017)

Binary System

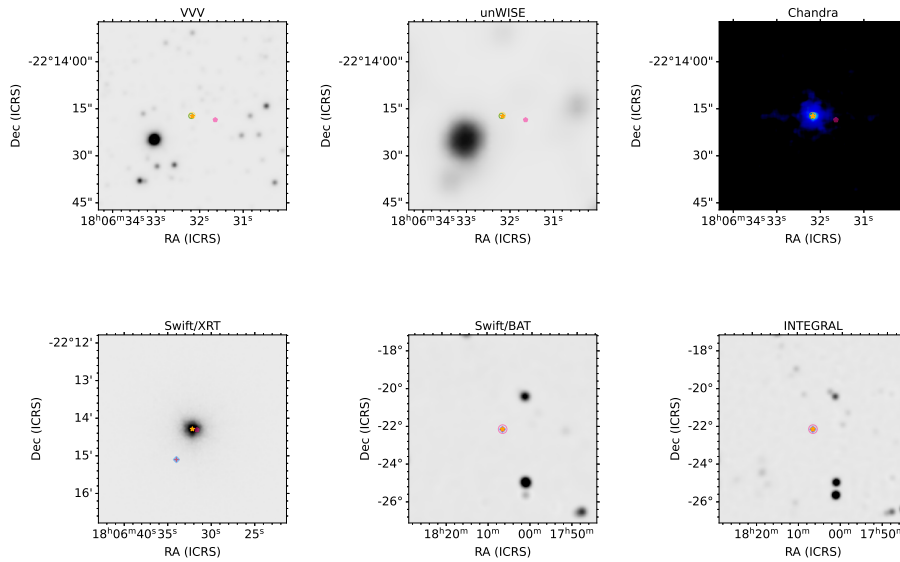
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 8.0
Distance-Reference: Cornelisse et al. (2002a)
Hydrogen Column density [10^{21}cm^{-2}]: 5.6

Compact Object

Orbital Period [d]: 0.16666666666666666
 Shaw et al. (2017)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K
 Kaur et al. (2017)
H [mag]: 17.94(0.06)
K [mag]: 17.220(0.020)



XTE J1806-246*Coordinates*

RA: 18^h06^m050^s.72
DEC: −24°35′0028″.6
Position-uncertainty [arcsec] : 8.010×10^{-1}
Galactic-longitude [deg]: 6.14
Galactic-latitude [deg]: −1.91
Coordinate-Reference: Hjellming et al. (1998)

Binary System

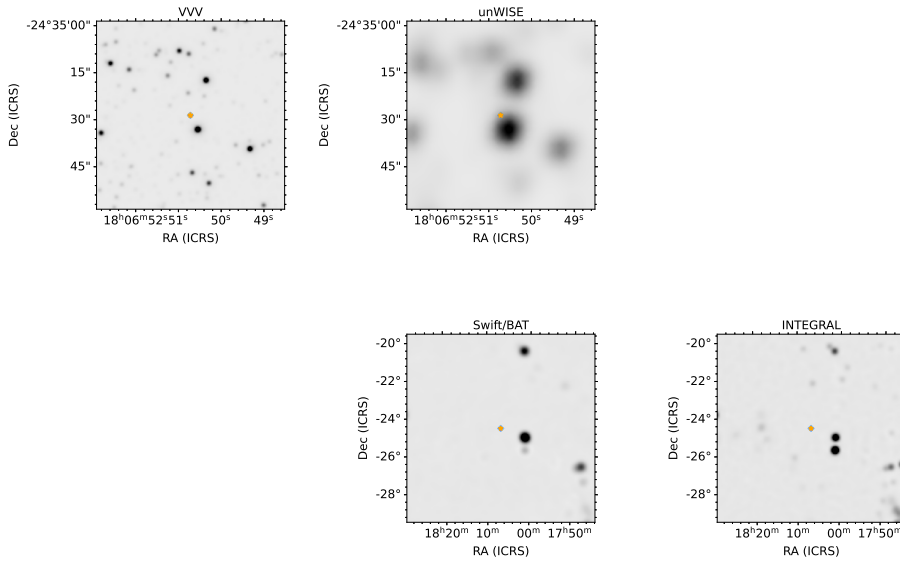
Alternative Name: 2S 1803-245
X-ray Type: XT, XB, AS, RP
Mean Distance [kpc]: 7.3
Distance Range [kpc]: 6.6 – 8.0
Distance-Reference: Cornelisse et al. (2007)
Hydrogen Column density [10^{21}cm^{-2}]: 1.47

Compact Object

Orbital Period [d]: 0.375
 Cornelisse et al. (2007)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 22.0



XTE J1807-294

Coordinates

RA: $18^{\text{h}}06^{\text{m}}05^{\text{s}}.77$
DEC: $-29^{\circ}24'00.30''$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 1.94
Galactic-latitude [deg]: -4.27
Coordinate-Reference: D'Avanzo et al. (2009)

Binary System

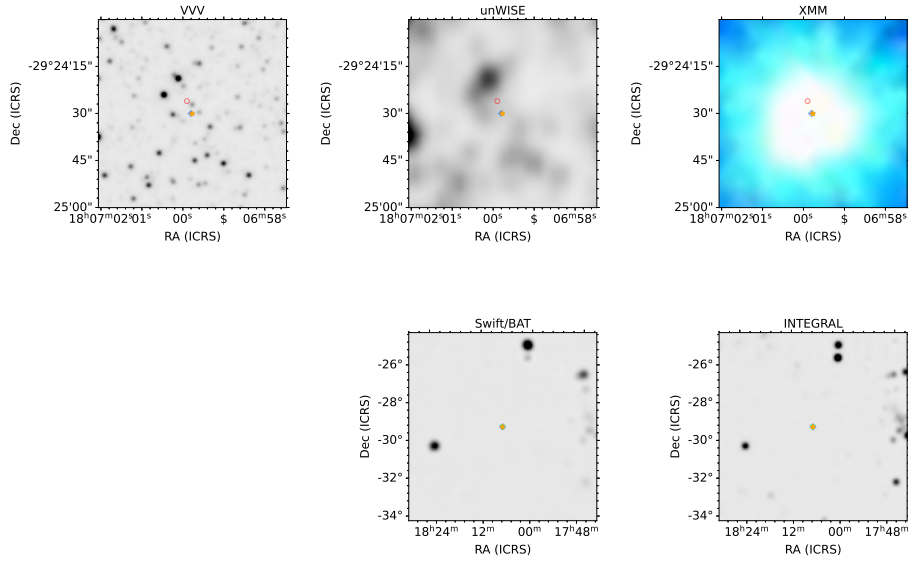
Alternative Name: J1806-2924
X-ray Type: XP, XT
Mean Distance [kpc]: 5.5
Distance Range [kpc]: 3.0 – 8.0
Distance-Reference: Falanga et al. (2005)
Hydrogen Column density [10^{21}cm^{-2}]: 0.63

Compact Object

Orbital Period [d]: 0.027833333333333335
 Liu et al. (2007)
Pulse Period [s]: 0.00525
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 480.0
soft X-ray variability: 186895.07
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.43 - 205.46
hard X-ray variability: 37.81

Optical Counterpart

Gaia DR3 Name:
Spectral Type: C/O WD
 Falanga et al. (2005)
V [mag]: 24.3



MAXI J1807+132

Coordinates

RA: $18^{\text{h}}08^{\text{m}}07^{\text{s}}.546$
DEC: $+13^{\circ}15'005''.41$
Position-uncertainty [arcsec]: 6.005×10^{-2}
Galactic-longitude [deg]: 40.12
Galactic-latitude [deg]: 15.5
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

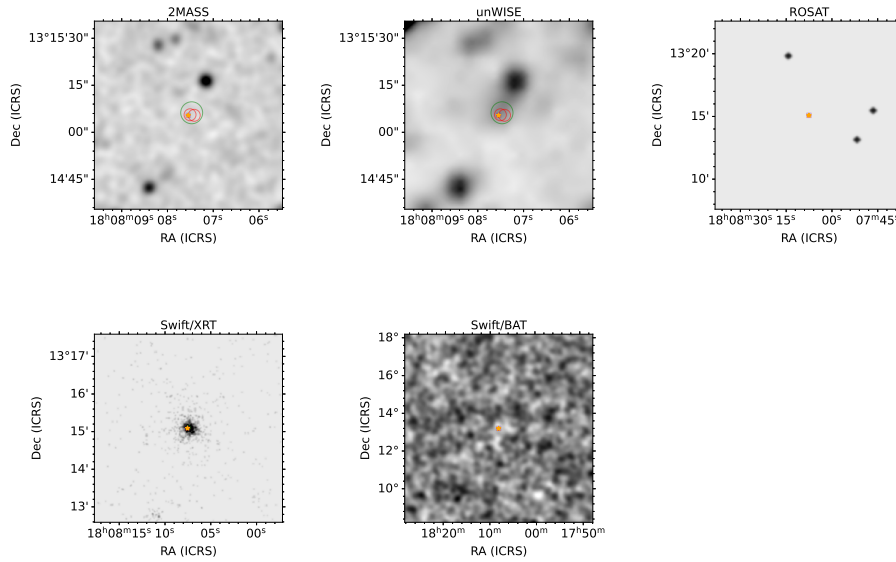
Alternative Name:
X-ray Type: XB, XT
Distance-Reference: Albayati et al. (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.21

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 1.58 - 6.92
soft X-ray variability: 4.38

Optical Counterpart

Gaia DR3 Name: 4497207964419829632
G [mag]: 20.08(0.11)



SAX J1808.4-3658

Coordinates

RA: 18^h08^m27^s.643
DEC: −36°58′43″.094
Position-uncertainty [arcsec] : 1.004×10^0
Galactic-longitude [deg]: 355.39
Galactic-latitude [deg]: −8.15
Coordinate-Reference: Evans et al. (2010)

Binary System

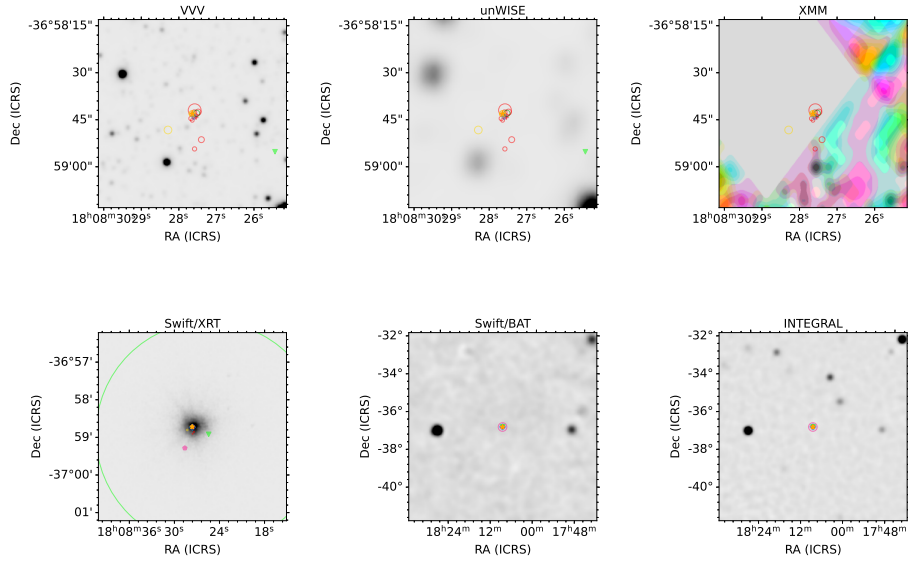
Alternative Name: XTE J1808-369
X-ray Type: XP, BO, XB, XT, RP
Mean Distance [kpc]: 3.5
Distance Range [kpc]: 3.4 – 3.6
Distance-Reference: Galloway & Cumming (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 0.13

Compact Object

Orbital Period [d]: 0.083923625
 Liu et al. (2007)
Pulse Period [s]: 0.00249
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 – 1024.35
soft X-ray variability: 218643.21
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 7.15 – 17.55
hard X-ray variability: 2.45

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M-G?
 D’Avanzo et al. (2009)
V [mag]: 19.20(0.15)
H [mag]: 15.04(0.04)



XMMU J180916.5-255425*Coordinates*

RA: 18^h09^m016^s.53
DEC: −25°54′0025″.3
Position-uncertainty [arcsec]: 5.000×10^{-1}
Galactic-longitude [deg]: 5.25
Galactic-latitude [deg]: −3.03
Coordinate-Reference: Guillot et al. (2011)

Binary System

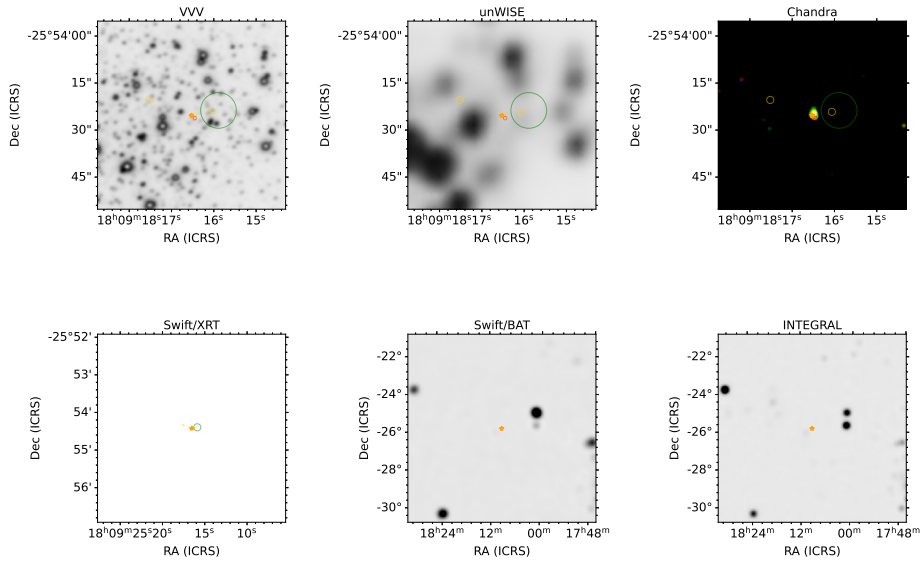
Alternative Name:
X-ray Type: GC, QNS
Mean Distance [kpc]: 5.33
Distance Range [kpc]: 5.21 – 5.46
Distance-Reference: Baumgardt & Vasiliev (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.35

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 0.1
soft X-ray variability: 72.44

Optical Counterpart

Gaia DR3 Name:



XTE J1810-189

Coordinates

RA: $18^{\text{h}}10^{\text{m}}20^{\text{s}}.311$
DEC: $-19^{\circ}04'13''.744$
Position-uncertainty [arcsec]: 2.582×10^{-3}
Galactic-longitude [deg]: 11.36
Galactic-latitude [deg]: 0.06
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

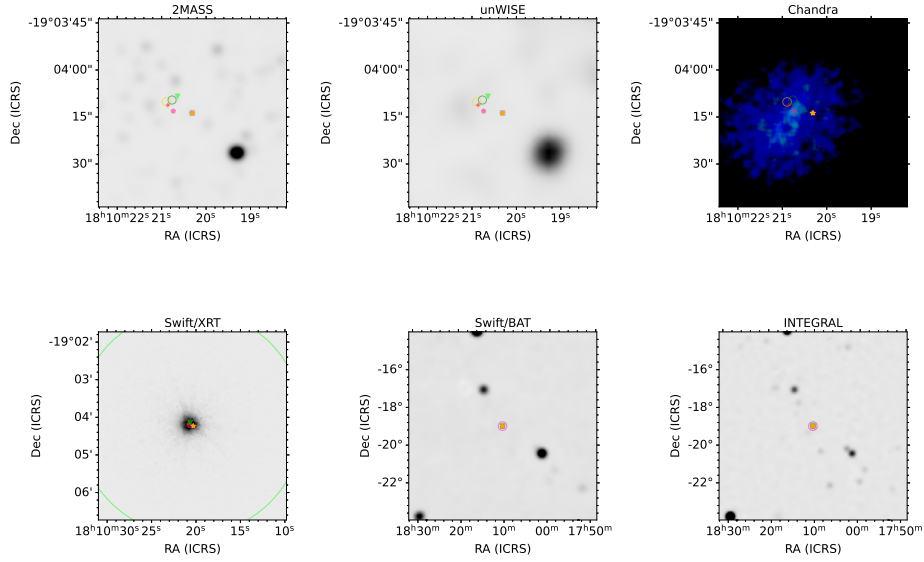
Alternative Name:
X-ray Type: XT, XB
Mean Distance [kpc]: 5.5
Distance Range [kpc]: 3.5 – 8.7
Distance-Reference: Weng et al. (2015)
Hydrogen Column density [10^{21}cm^{-2}]: 6.0

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 21.16 - 382.2
hard X-ray variability: 18.06

Optical Counterpart

Gaia DR3 Name: 4095486509152850176
G [mag]: 20.652(0.013)
J [mag]: 14.68(0.05)
H [mag]: 13.01(0.06)
K [mag]: 12.32(0.05)



4U 1807-10

Coordinates

RA: $18^{\text{h}}10^{\text{m}}00.42^{\text{s}}$
DEC: $-10^{\circ}52'00.00''$
Galactic-longitude [deg]: 18.6
Galactic-latitude [deg]: 3.93
Coordinate-Reference: Ebisawa et al. (2003)

Binary System

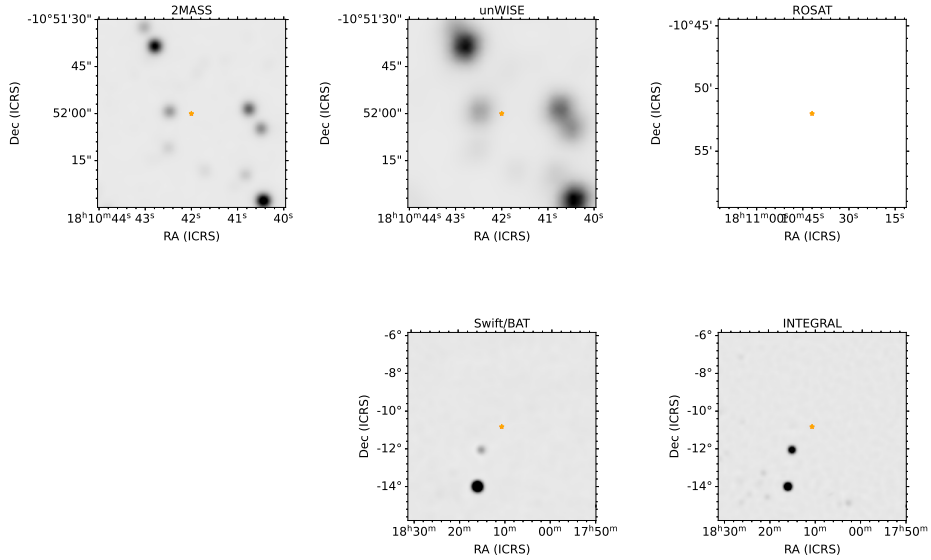
Alternative Name: 1H 1739-126
X-ray Type: XT, XB
Hydrogen Column density [10^{21}cm^{-2}]: 0.4

Compact Object

Orbital Period [d]: 242.18
 Blay et al. (2008)
Pulse Period [s]: 4.45
 Blay et al. (2008)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 16.399999618530273



SAX J1810.8-2609

Coordinates

RA: $18^{\text{h}}10^{\text{m}}04^{\text{s}}.47$
DEC: $-26^{\circ}09'00.1''$
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 5.2
Galactic-latitude [deg]: -3.43
Coordinate-Reference: Zhu et al. (2012)

Binary System

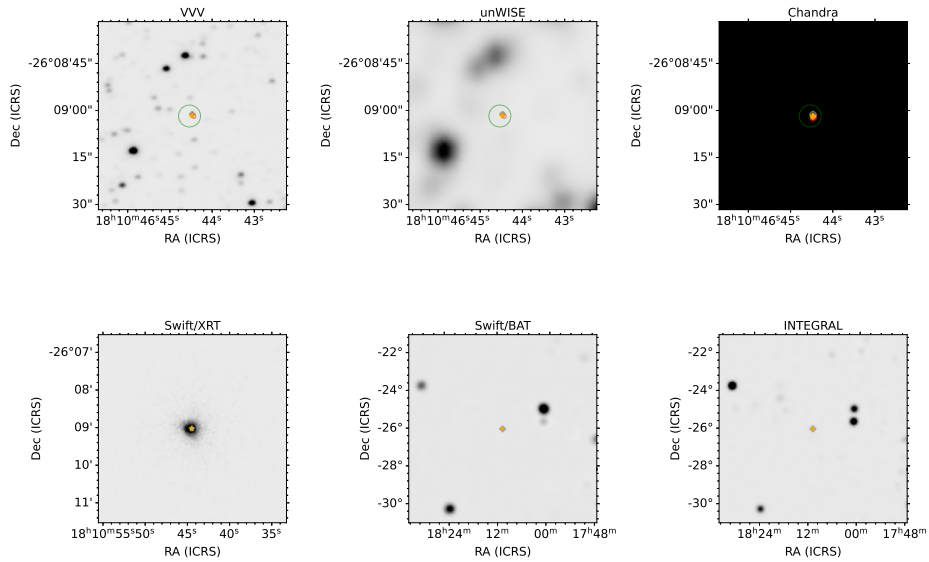
Alternative Name:
X-ray Type: XB, XT
Mean Distance [kpc]: 4.9
Distance Range [kpc]: 4.6 – 5.2
Distance-Reference: Natalucci et al. (2000)
Hydrogen Column density [10^{21}cm^{-2}]: 0.85

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.02 - 31200.0
soft X-ray variability: 1797306.64
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.09 - 648.0
hard X-ray variability: 127.31

Optical Counterpart

Gaia DR3 Name:
G [mag]: 20.8(0.5)
V [mag]: 21.6(0.4)



[RPK2014] 1

Coordinates

RA: $18^{\text{h}}12^{\text{m}}09^{\text{s}}.736$
DEC: $-19^{\circ}02'26''.468$
Position-uncertainty [arcsec]: 1.040×10^0
Galactic-longitude [deg]: 11.59
Galactic-latitude [deg]: -0.3
Coordinate-Reference: Evans et al. (2010)

Binary System

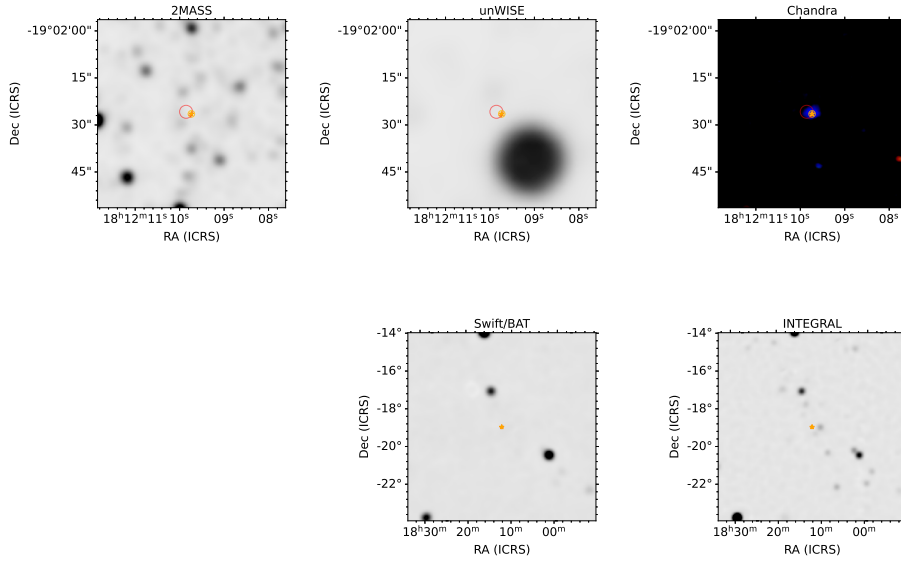
Alternative Name:

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 0.12 - 0.17
soft X-ray variability: 1.43

Optical Counterpart

Gaia DR3 Name:



XMMU J181227.8-181234

Coordinates

RA: 18^h12^m27^s.967
DEC: −18°12′35″.183
Position-uncertainty [arcsec] : 7.781×10^{-1}
Galactic-longitude [deg]: 12.36
Galactic-latitude [deg]: 0.03
Coordinate-Reference: Webb et al. (2020)

Binary System

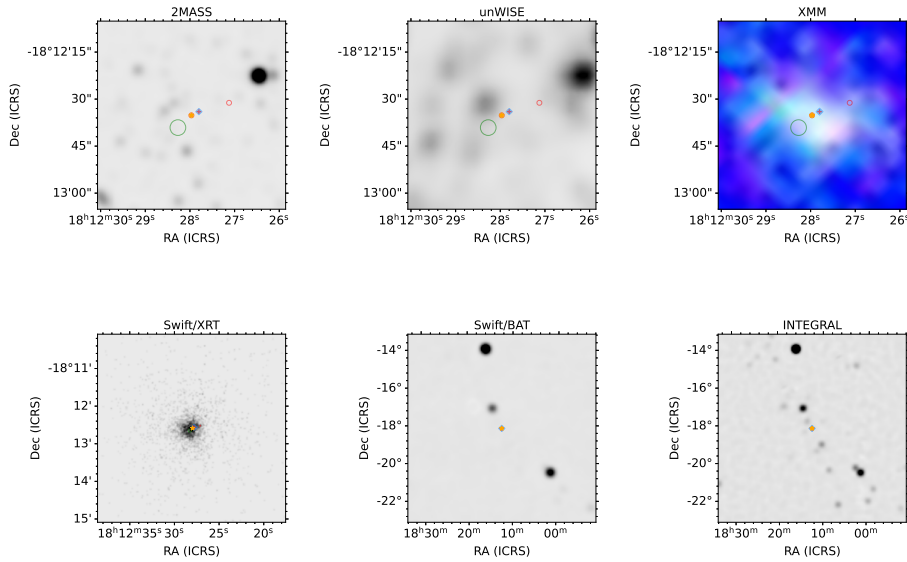
Alternative Name:
X-ray Type: XT

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 202.81 - 737.38
soft X-ray variability: 3.64

Optical Counterpart

Gaia DR3 Name:



XTE J1814-338

Coordinates

RA: $18^{\text{h}}13^{\text{m}}03^{\text{s}}.04$
DEC: $-33^{\circ}46'00.2''$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 358.75
Galactic-latitude [deg]: -7.59
Coordinate-Reference: D'Avanzo et al. (2009)

Binary System

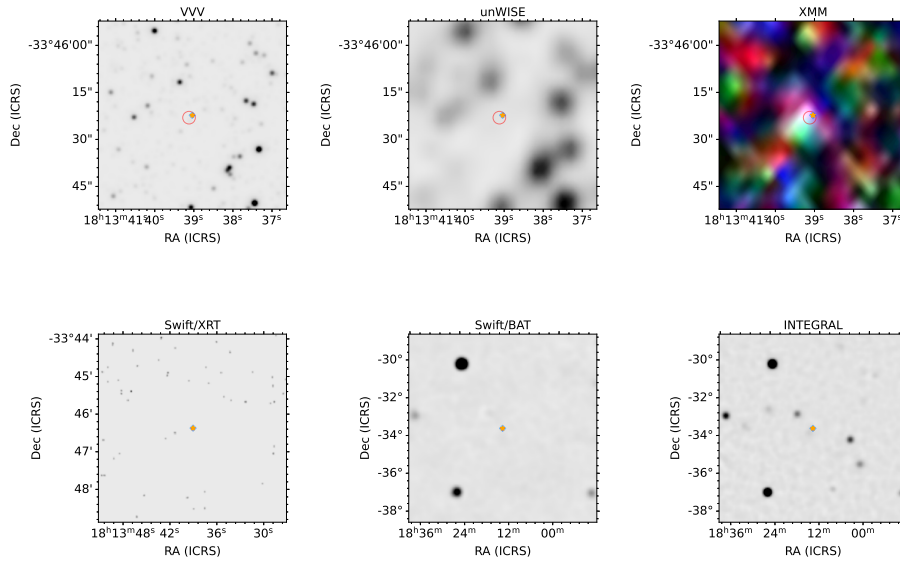
Alternative Name: J1813-3346
X-ray Type: XP, XB, XT
Mean Distance [kpc]: 8.0
Distance Range [kpc]: 6.4 – 9.6
Distance-Reference: Strohmayer et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.17

Compact Object

Orbital Period [d]: 0.17810916666666665
Liu et al. (2007)
Pulse Period [s]: 0.0032
Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 21300.0
soft X-ray variability: 3654895.5

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G-K?
D'Avanzo et al. (2009)
V [mag]: 23.3



GX 13+1

Coordinates

RA: 18^h14^m03.1^s08
DEC: −17°09′00.26″1
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 13.52
Galactic-latitude [deg]: 0.11
Coordinate-Reference: Evans et al. (2010)

Binary System

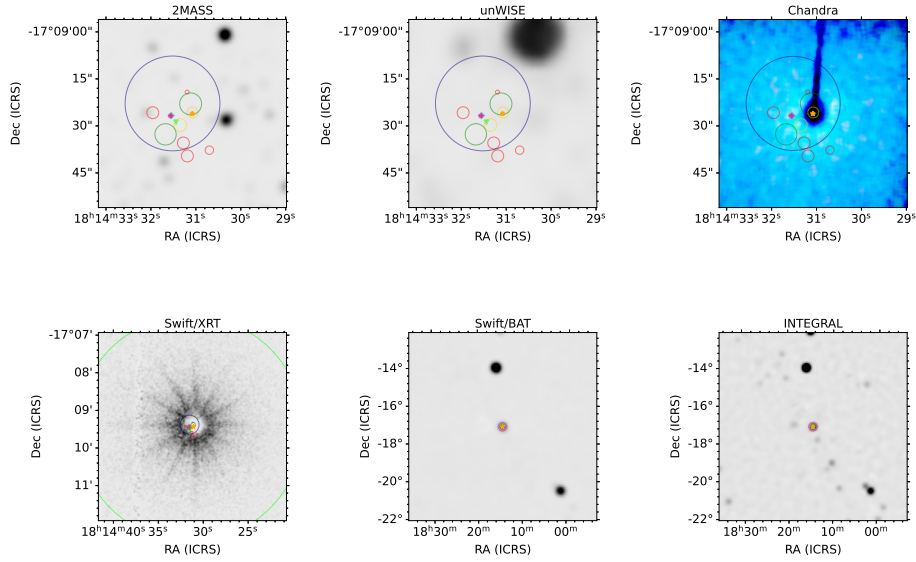
Alternative Name: 4U 1811-17
X-ray Type: RP, XB?, AS
Mean Distance [kpc]: 5.6
Distance Range [kpc]: 3.8 – 12.0
Distance-Reference: Clark (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 1.98

Compact Object

Orbital Period [d]: 24.066666666666666
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 115.0 - 64690.0
soft X-ray variability: 562.51

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K5III
 Bandyopadhyay et al. (1999)
V [mag]: 12.73(0.09)
K [mag]: 11.869999885559082



4U 1812-12*Coordinates*

RA: 18^h15^m006^s.18
DEC: −12°05′0047″.1
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 18.03
Galactic-latitude [deg]: 2.4
Coordinate-Reference: Evans et al. (2010)

Binary System

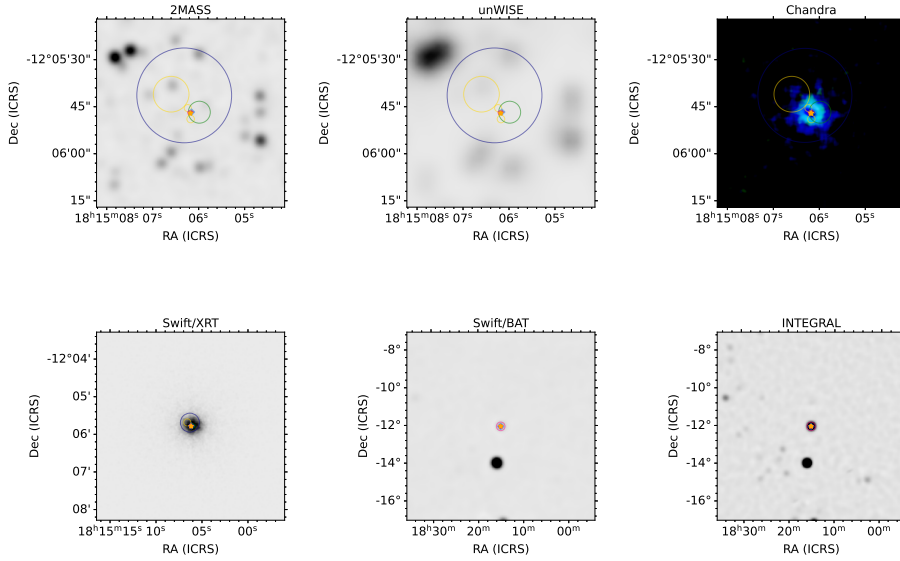
Alternative Name: Ser X-2
X-ray Type: XB, AS
Mean Distance [kpc]: 4.0
Distance Range [kpc]: 3.4 – 4.6
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 1.49

Compact Object

Orbital Period [d]: 0.07916666666666666
 Armas Padilla et al. (2022)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 480.0 - 48000.0
soft X-ray variability: 100.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.15 - 624.0
hard X-ray variability: 101.46

Optical Counterpart

Gaia DR3 Name:



GX 17+2

Coordinates

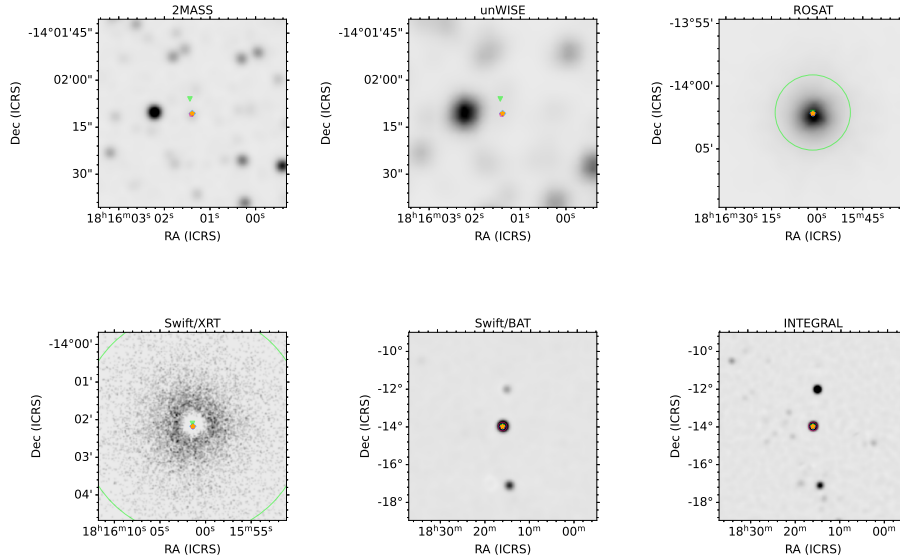
RA: $18^{\text{h}}16^{\text{m}}01^{\text{s}}.389$
DEC: $-14^{\circ}02'010''.62$
Position-uncertainty [arcsec]: 7.211×10^{-2}
Galactic-longitude [deg]: 16.43
Galactic-latitude [deg]: 1.28
Coordinate-Reference: Deutsch et al. (1999)

Binary System

Alternative Name: 3U 1813-14
X-ray Type: ZS, XB, RP
Mean Distance [kpc]: 14.0
Distance Range [kpc]: 11.9 – 16.0
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 2.0

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K
V [mag]: 17.5
K [mag]: 18.3



MAXI J1816-195*Coordinates*

RA: $18^{\text{h}}16^{\text{m}}00.52^{\text{s}}.4$
DEC: $-19^{\circ}37'57''.299$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 11.61
Galactic-latitude [deg]: -1.56
Coordinate-Reference: de Martino et al. (2022)

Binary System

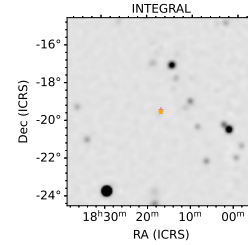
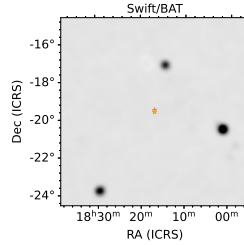
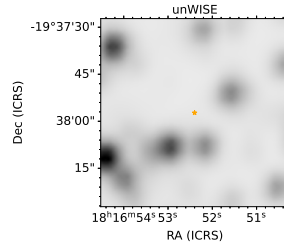
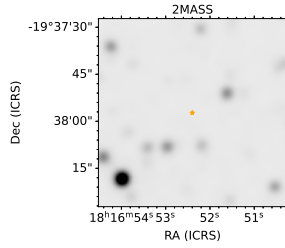
Alternative Name:
X-ray Type: XT, XB, XP, RP?
Mean Distance [kpc]: 7.55
Distance Range [kpc]: 6.5 – 8.6
Distance-Reference: Bult et al. (2022a)
Hydrogen Column density [10^{21}cm^{-2}]: 1.82

Compact Object

Orbital Period [d]: 0.20141435185185186
 Bult et al. (2022b)
Pulse Period [s]: 0.0018917896329928112
 Bult et al. (2022a)

Optical Counterpart

Gaia DR3 Name:
K [mag]: 16.36(0.11)



IGR J18175-1530

Coordinates

RA: 18^h17^m00.34^s3
DEC: −15°30′00.41″0
Galactic-longitude [deg]: 15.31
Galactic-latitude [deg]: 0.25
Coordinate-Reference: Paizis et al. (2007)

Binary System

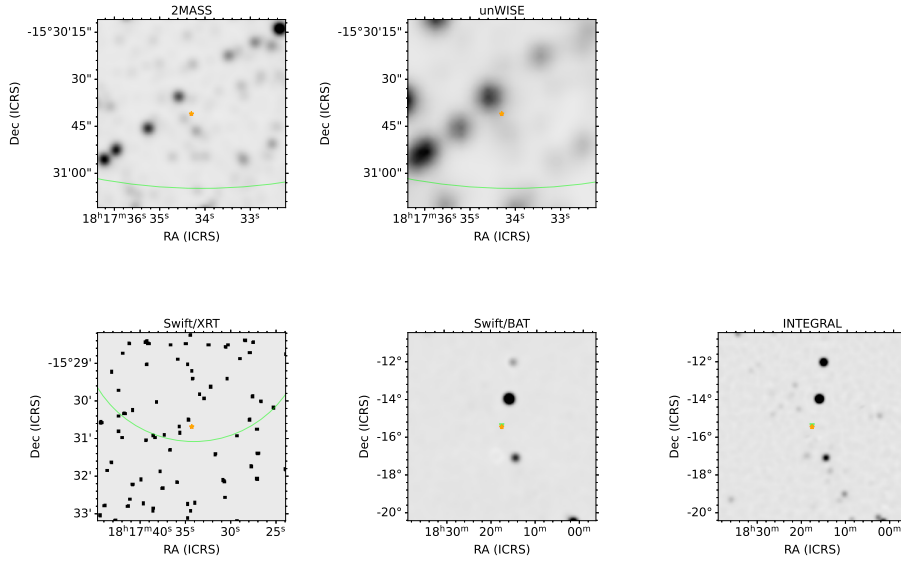
Alternative Name:
X-ray Type: XT, RP?

Compact Object

hard-band flux [10^{-12} erg/cm²/s]: 4.72
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:



XTE J1817-330*Coordinates*

RA: $18^{\text{h}}17^{\text{m}}04^{\text{s}}.54$
DEC: $-33^{\circ}01'00.6''.7$
Position-uncertainty [arcsec]: 7.071×10^{-1}
Galactic-longitude [deg]: 359.82
Galactic-latitude [deg]: -8.0
Coordinate-Reference: D'Avanzo et al. (2006)

Binary System

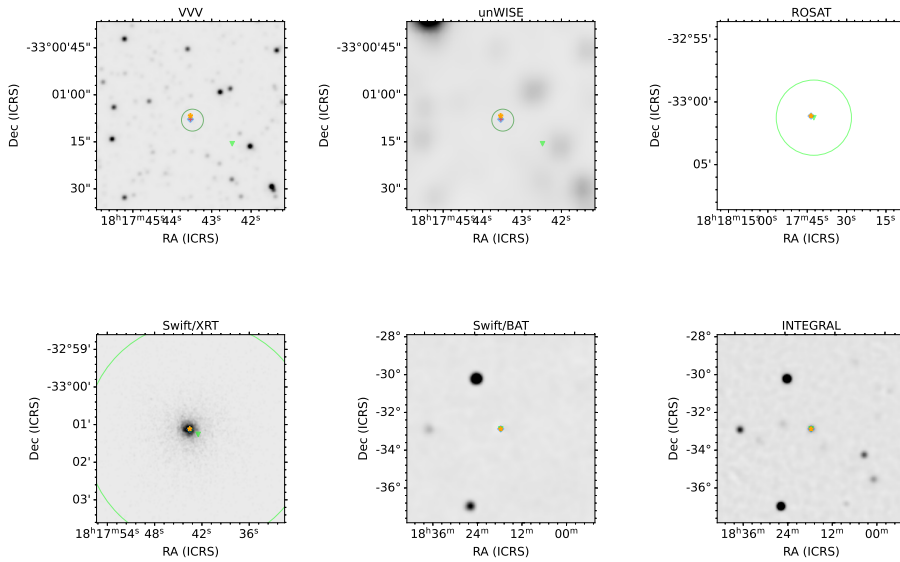
Alternative Name:
X-ray Type: RP, XT, BH?
Mean Distance [kpc]: 2.5
Distance Range [kpc]: 1.0 – 4.0
Distance-Reference: Sala & Greiner (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 0.14

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 240.0 - 45600.0
soft X-ray variability: 190.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 51.19 - 1896.0
hard X-ray variability: 37.04

Optical Counterpart

Gaia DR3 Name:



XTE J1818-245

Coordinates

RA: $18^{\text{h}}18^{\text{m}}024^{\text{s}}.43$
DEC: $-24^{\circ}32'017''.91$
Position-uncertainty [arcsec]: 7.006×10^{-2}
Galactic-longitude [deg]: 7.44
Galactic-latitude [deg]: -4.19
Coordinate-Reference: Cadolle Bel et al. (2009)

Binary System

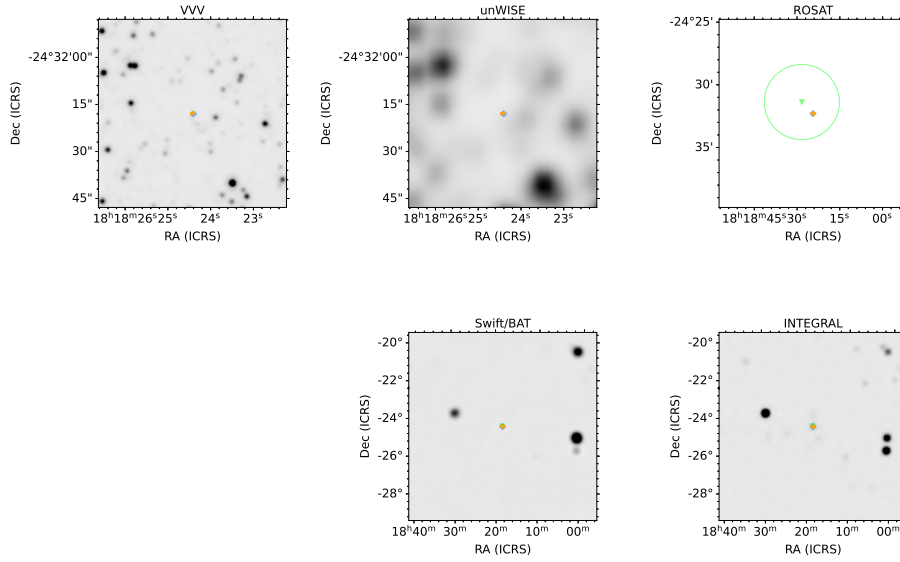
Alternative Name:
X-ray Type: RP, XT, BH?
Mean Distance [kpc]: 3.5
Distance Range [kpc]: 2.8 – 4.3
Distance-Reference: Cadolle Bel et al. (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 0.54

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 32.89 - 1393.43
hard X-ray variability: 42.37

Optical Counterpart

Gaia DR3 Name:
V [mag]: 17.08(0.05)
K [mag]: 19.99(0.22)



SAX J1818.7+1424

Coordinates

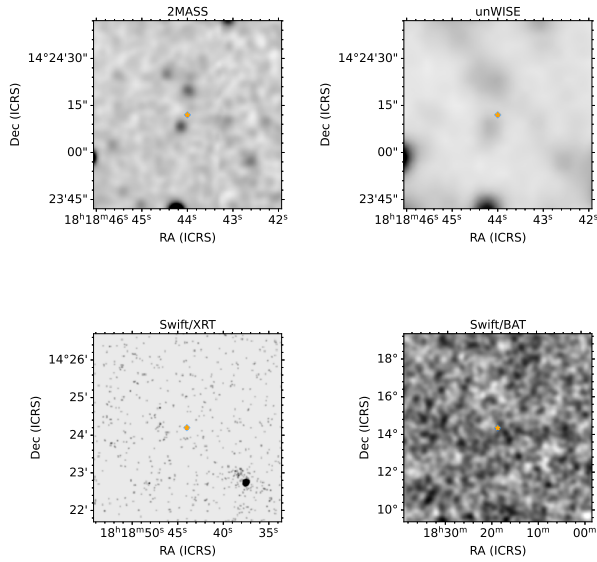
RA: 18^h18^m00.44^s0
DEC: +14°24′00.12″0
Galactic-longitude [deg]: 42.32
Galactic-latitude [deg]: 13.65
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XB
Mean Distance [kpc]: 8.0
Distance-Reference: Cornelisse et al. (2002b)
Hydrogen Column density [10^{21}cm^{-2}]: 0.1

Optical Counterpart

Gaia DR3 Name:



V4641 Sgr

Coordinates

RA: 18^h19^m21^s.633
DEC: −25°24′25″.843
Position-uncertainty [arcsec]: 2.754×10^{-5}
Galactic-longitude [deg]: 6.77
Galactic-latitude [deg]: −4.79
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

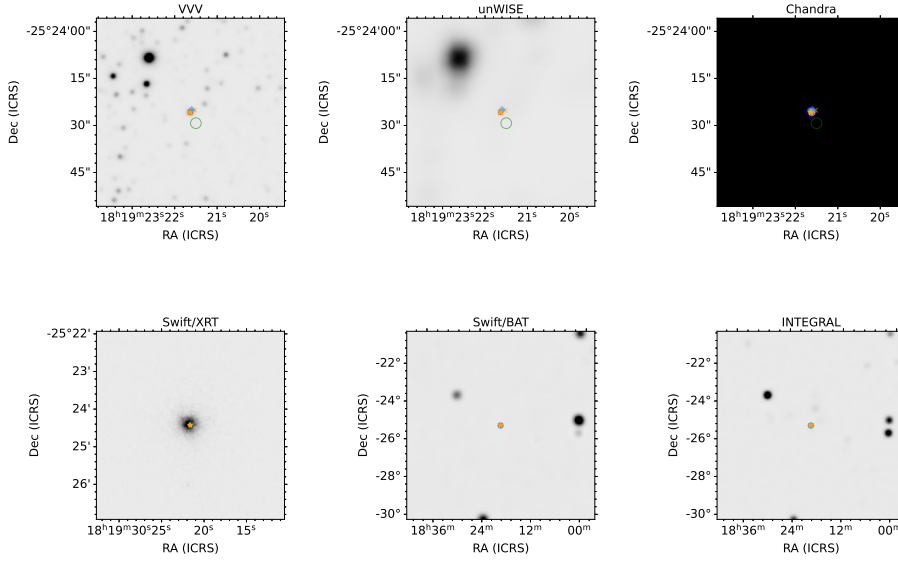
Alternative Name: GSC 6848.3786
X-ray Type: MQ, BH, XT
Mean Distance [kpc]: 4.67
Distance Range [kpc]: 4.14 – 5.5
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.34

Compact Object

Orbital Period [d]: 2.8173
 Ritter & Kolb (2003)

Optical Counterpart

Gaia DR3 Name: 4053096388919082368
Spectral Type: B9III
G [mag]: 13.610(0.009)
V [mag]: 13.654000282287598
J [mag]: 12.532(0.032)
H [mag]: 12.364(0.028)
K [mag]: 12.270(0.032)
W1 [mag]: 12.331(0.012)
W2 [mag]: 12.560(0.010)



3XMM J181923.7-170616*Coordinates*

RA: $18^{\text{h}}19^{\text{m}}23^{\text{s}}.758$
DEC: $-17^{\circ}06'16''.506$
Position-uncertainty [arcsec]: 1.913×10^0
Galactic-longitude [deg]: 14.12
Galactic-latitude [deg]: -0.89
Coordinate-Reference: Webb et al. (2020)

Binary System

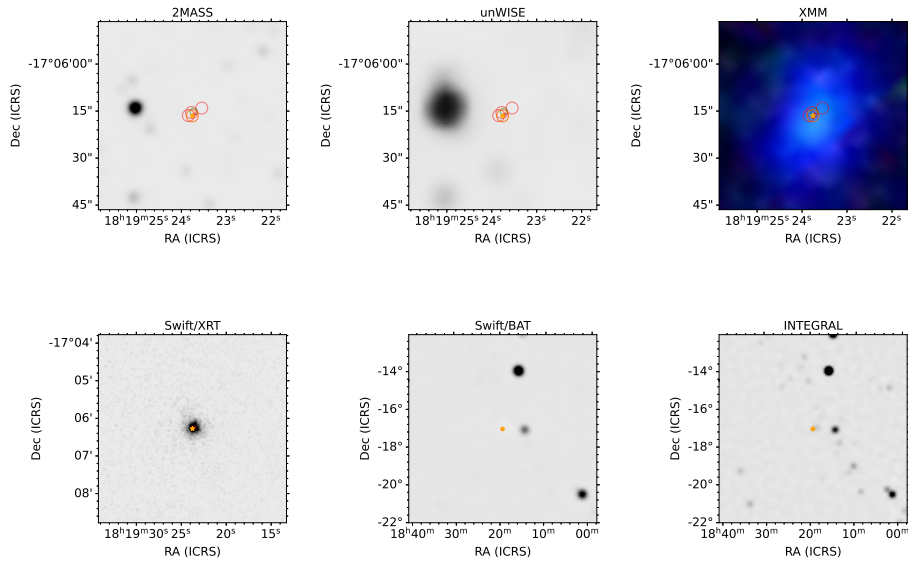
Alternative Name:
X-ray Type: XT, XP
Hydrogen Column density [10^{21}cm^{-2}]: 5.28

Compact Object

Pulse Period [s]: 407.9
 Sanna et al. (2018c)
soft-band flux [$10^{-12}\text{erg/cm}^2/\text{s}$]: 4.49 - 26.45
soft X-ray variability: 5.89

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K3 III
 Sanna et al. (2018c)



MAXI J1820+070

Coordinates

RA: 18^h20^m21^s.939
DEC: +07°11'07".184
Position-uncertainty [arcsec]: 9.140×10^{-5}
Galactic-longitude [deg]: 35.85
Galactic-latitude [deg]: 10.16
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

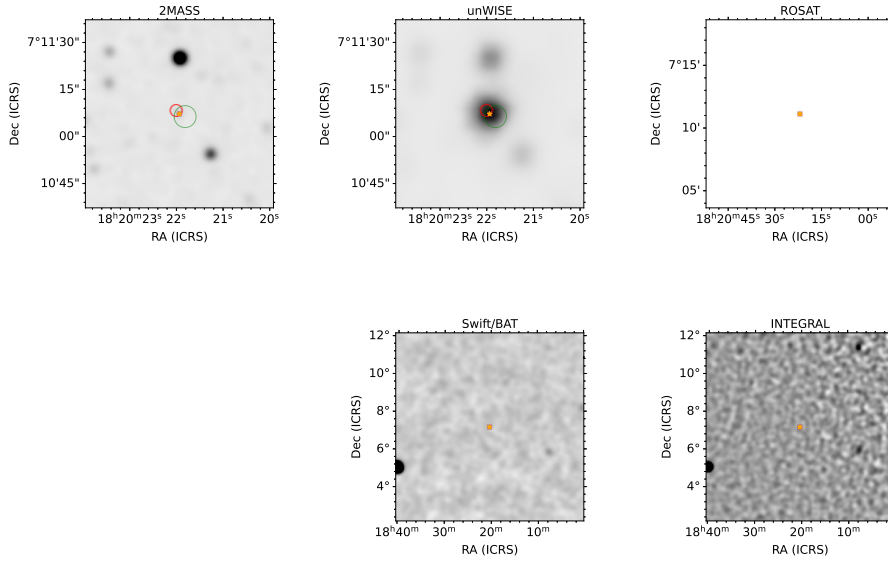
Alternative Name: ASASSN -18ey
X-ray Type: XT, BH, MQ?
Mean Distance [kpc]: 1.82
Distance Range [kpc]: 1.77 – 1.85
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.03

Compact Object

Orbital Period [d]: 0.68549
 Torres et al. (2019a)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 569.06 - 4489.0
soft X-ray variability: 7.89

Optical Counterpart

Gaia DR3 Name: 4477902563164690816
Spectral Type: K3-5
 Torres et al. (2020)
G [mag]: 17.387(0.032)
J [mag]: 15.87(0.07)
H [mag]: 15.44(0.10)
K [mag]: 15.12(0.12)
W1 [mag]: 14.17(0.04)
W2 [mag]: 13.798(0.026)



4U 1820-30*Coordinates*

RA: $18^{\text{h}}23^{\text{m}}40^{\text{s}}505$
DEC: $-30^{\circ}21'40''089$
Position-uncertainty [arcsec]: 5.016×10^{-3}
Galactic-longitude [deg]: 2.79
Galactic-latitude [deg]: -7.91
Coordinate-Reference: Díaz Trigo et al. (2017)

Binary System

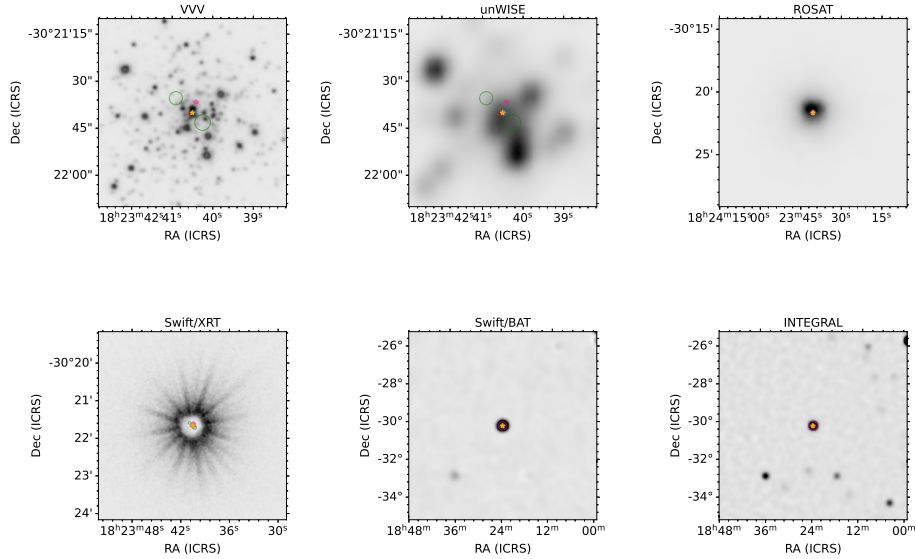
Alternative Name: Sgr X-4
X-ray Type: GC, AS, XB, PSH, RP
Mean Distance [kpc]: 7.6
Distance Range [kpc]: 7.2 – 8.0
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.21

Compact Object

Orbital Period [d]: 0.007916666666666667
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD?
 Serino et al. (2021)
V [mag]: 18.809999465942383



AX J1824.5-2451

Coordinates

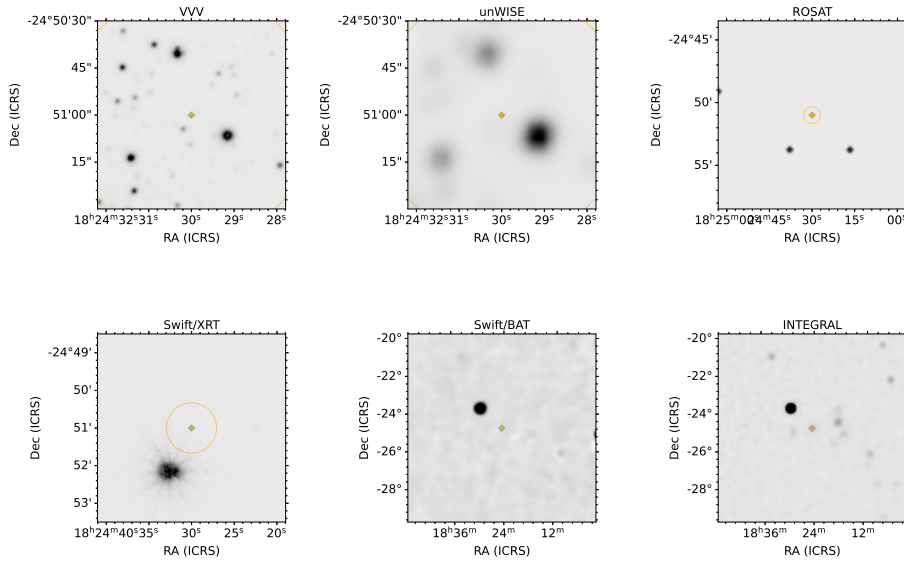
RA: $18^{\text{h}}24^{\text{m}}00.30^{\text{s}}0$
DEC: $-24^{\circ}51'00.00''0$
Position-uncertainty [arcsec]: 4.000×10^1
Galactic-longitude [deg]: 7.81
Galactic-latitude [deg]: -5.56
Coordinate-Reference: Liu et al. (2007)

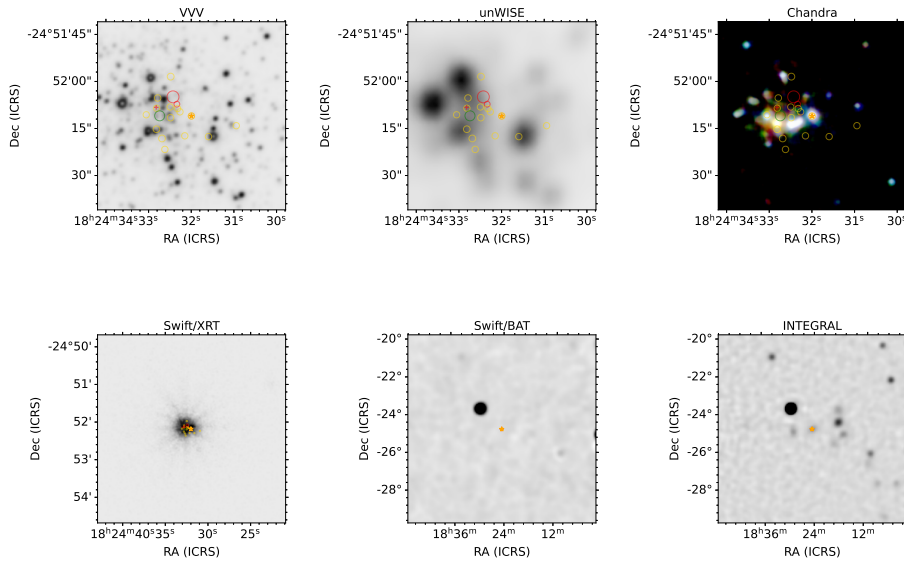
Binary System

Alternative Name:
X-ray Type: XT, XB, GC
Mean Distance [kpc]: 5.1
Distance Range [kpc]: 4.6 – 5.6
Distance-Reference: Rees & Cudworth (1991)
Hydrogen Column density [10^{21}cm^{-2}]: 1.5

Optical Counterpart

Gaia DR3 Name:



CXOGlb J182432.8-245208*Coordinates***RA:** 18^h24^m31^s.996**DEC:** −24°52′11″.014**Position-uncertainty** [arcsec] : 1.004×10^0 **Galactic-longitude** [deg]: 7.8**Galactic-latitude** [deg]: −5.58**Coordinate-Reference:** Evans et al. (2010)*Binary System***Alternative Name:****Hydrogen Column density** [10^{21}cm^{-2}]: 0.45*Compact Object***soft-band flux** [$10^{-12} \text{erg/cm}^2/\text{s}$]: 15.27 - 297.82**soft X-ray variability:** 19.5*Optical Counterpart***Gaia DR3 Name:**

IGR J18245-2452

Coordinates

RA: 18^h24^m32^s.509
DEC: −24°52′07″.724
Position-uncertainty [arcsec]: 2.000×10^{-1}
Galactic-longitude [deg]: 7.8
Galactic-latitude [deg]: −5.58
Coordinate-Reference: Pallanca et al. (2013)

Binary System

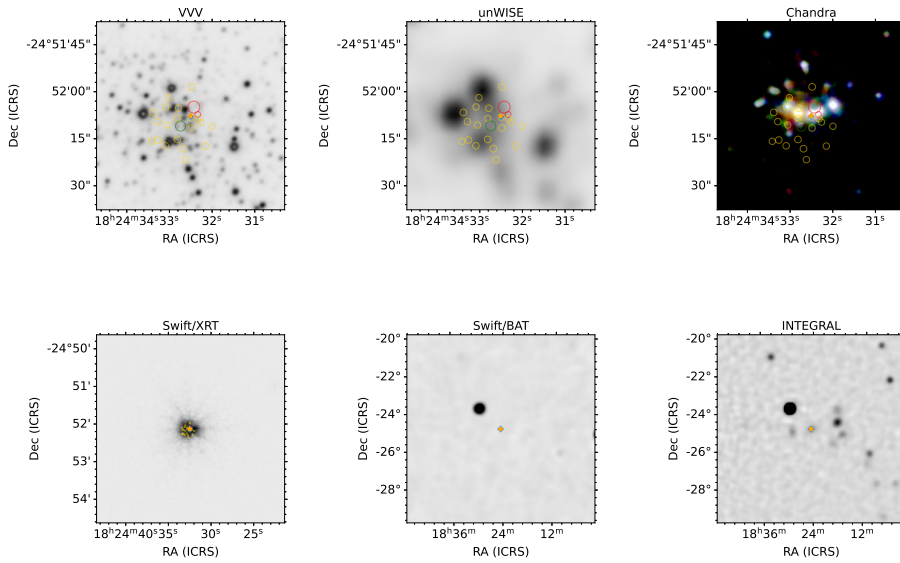
Alternative Name: J1824-2452
X-ray Type: GC, BO, XT, RP
Mean Distance [kpc]: 5.5
Distance-Reference: Harris (1996)
Hydrogen Column density [10^{21}cm^{-2}]: 0.45

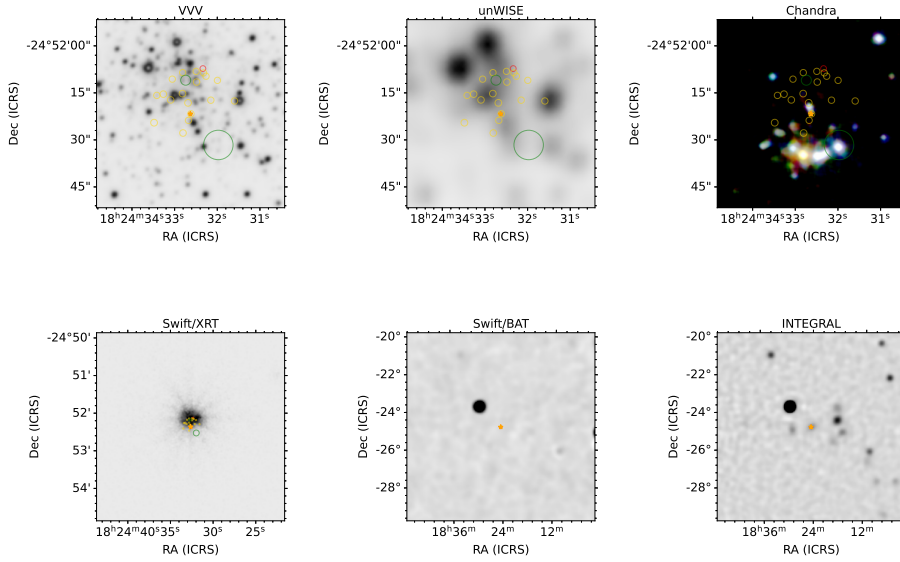
Compact Object

Orbital Period [d]: 0.459408
 Ritter & Kolb (2003)
Pulse Period [s]: 0.00393
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 15.27 - 840.0
soft X-ray variability: 55.01

Optical Counterpart

Gaia DR3 Name:



[BSP2003] 24*Coordinates***RA:** $18^{\text{h}}24^{\text{m}}03^{\text{s}}.63$ **DEC:** $-24^{\circ}52'00.21''7$ **Position-uncertainty** [arcsec] : 6.000×10^{-1} **Galactic-longitude** [deg]: 7.8**Galactic-latitude** [deg]: -5.58**Coordinate-Reference:** Becker et al. (2003)*Binary System***Alternative Name:****X-ray Type:** GC**Hydrogen Column density** [10^{21}cm^{-2}]: 0.17*Compact Object***soft-band flux** [$10^{-12}\text{erg/cm}^2/\text{s}$]: 297.82**soft X-ray variability:** 1.0*Optical Counterpart***Gaia DR3 Name:**

4U 1823-00

Coordinates

RA: $18^{\text{h}}25^{\text{m}}02^{\text{s}}.02$
DEC: $-00^{\circ}00'00.43''$
Position-uncertainty [arcsec]: 6.000×10^{-1}
Galactic-longitude [deg]: 29.94
Galactic-latitude [deg]: 5.79
Coordinate-Reference: Evans et al. (2010)

Binary System

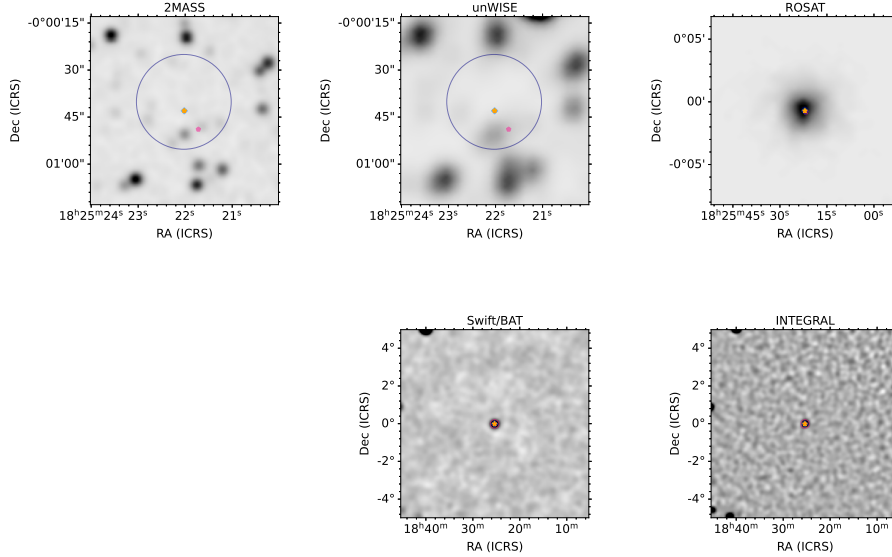
Alternative Name: 4U 1822-000
X-ray Type: XT, XB
Mean Distance [kpc]: 6.3
Distance Range [kpc]: 3.6 – 17.0
Distance-Reference: Asai et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.97

Compact Object

Orbital Period [d]: 0.13333333333333333
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 360.0 - 6000.0
soft X-ray variability: 16.67

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M4-5, WD?
 Shahbaz et al. (2007)
V [mag]: 22.0



3A 1822-371*Coordinates*

RA: 18^h25^m46^s.806
DEC: −37°06′018″.57
Position-uncertainty [arcsec]: 4.827×10^{-5}
Galactic-longitude [deg]: 356.85
Galactic-latitude [deg]: −11.29
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

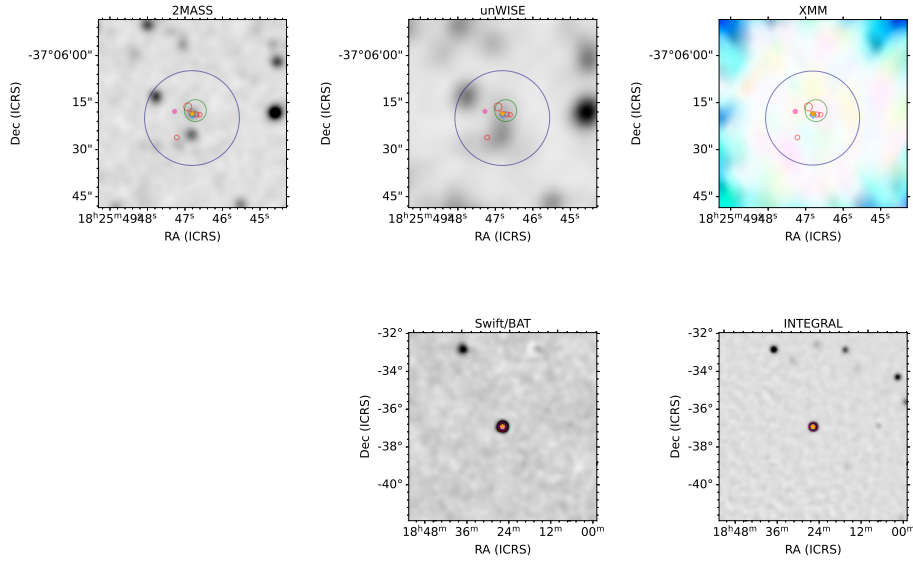
Alternative Name: V691 CrA
X-ray Type: EB, XP, DC
Mean Distance [kpc]: 10.26
Distance Range [kpc]: 10.04 – 10.38
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.14

Compact Object

Orbital Period [d]: 0.23208333333333334
 Liu et al. (2007)
Pulse Period [s]: 0.59
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 8.75 - 997.8
soft X-ray variability: 114.04

Optical Counterpart

Gaia DR3 Name: 6728016172687965568
G [mag]: 15.494(0.015)
V [mag]: 15.100000381469727
J [mag]: 15.28(0.05)
H [mag]: 15.30(0.10)
K [mag]: 15.45(0.19)
W1 [mag]: 15.020(0.025)
W2 [mag]: 14.93(0.04)



SAX J1828.5-1037

Coordinates

RA: $18^{\text{h}}28^{\text{m}}33^{\text{s}}.776$
DEC: $-10^{\circ}37'03''.786$
Position-uncertainty [arcsec]: 2.920×10^{-5}
Galactic-longitude [deg]: 20.89
Galactic-latitude [deg]: 0.18
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

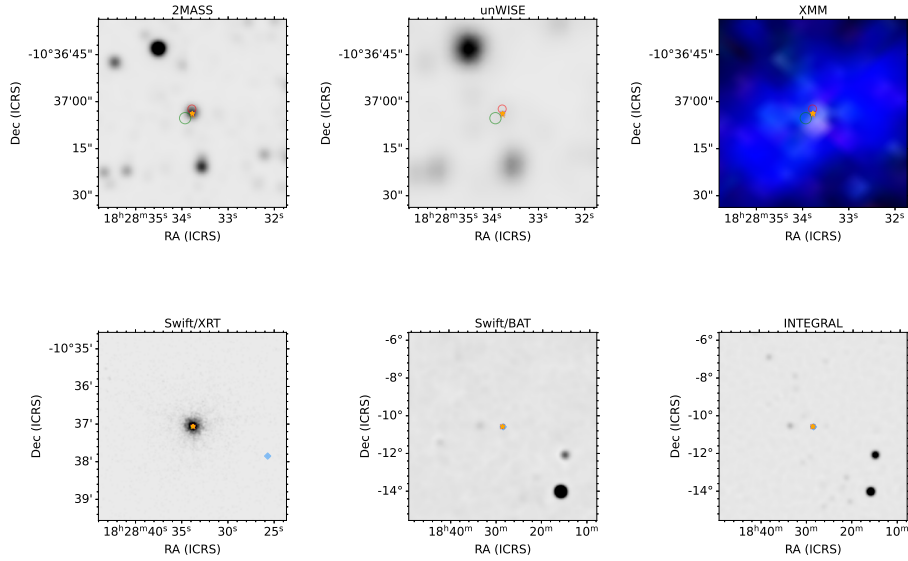
Alternative Name:
X-ray Type: XB
Mean Distance [kpc]: 1.76
Distance Range [kpc]: 1.72 – 1.8
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.73

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 31.23 - 37.27
soft X-ray variability: 1.19

Optical Counterpart

Gaia DR3 Name: 4155700546205464064
G [mag]: 14.7396(0.0028)
J [mag]: 11.802(0.026)
H [mag]: 10.946(0.025)
K [mag]: 10.696(0.030)
W1 [mag]: 10.52(0.04)
W2 [mag]: 10.72(0.05)



2XMM J182854.6-112656*Coordinates*

RA: $18^{\text{h}}28^{\text{m}}54^{\text{s}}.615$
DEC: $-11^{\circ}26'56''.382$
Position-uncertainty [arcsec]: 1.100×10^{-4}
Galactic-longitude [deg]: 20.19
Galactic-latitude [deg]: -0.28
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

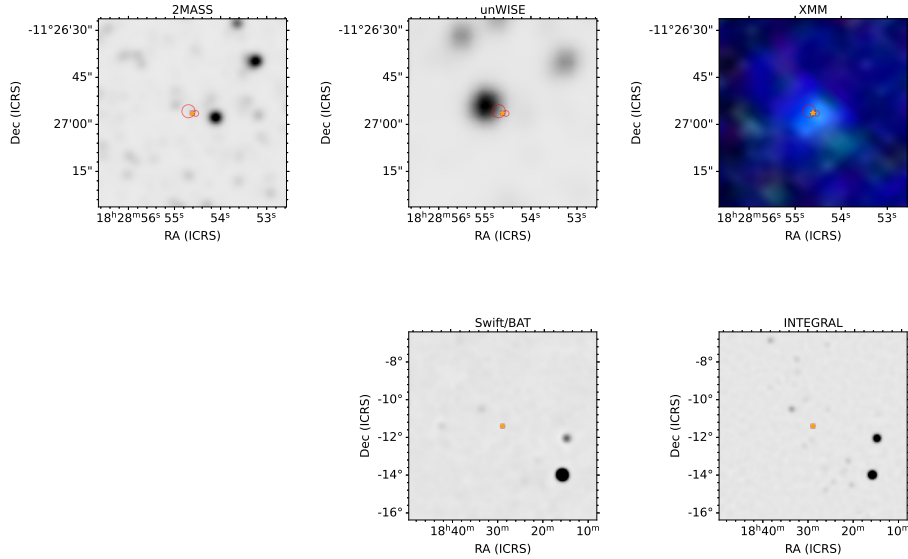
Alternative Name:
Mean Distance [kpc]: 0.95
Distance Range [kpc]: 0.93 – 1.0
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.56

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.05 - 0.28
soft X-ray variability: 5.94

Optical Counterpart

Gaia DR3 Name: 4153358685199735552
G [mag]: 17.291(0.008)
J [mag]: 14.92(0.08)
H [mag]: 13.061000(0)
K [mag]: 11.549000(0)



GS 1826-238

Coordinates

RA: $18^{\text{h}}29^{\text{m}}28^{\text{s}}.132$
DEC: $-23^{\circ}47'48''.113$
Position-uncertainty [arcsec]: 1.900×10^0
Galactic-longitude [deg]: 9.27
Galactic-latitude [deg]: -6.09
Coordinate-Reference: Webb et al. (2020)

Binary System

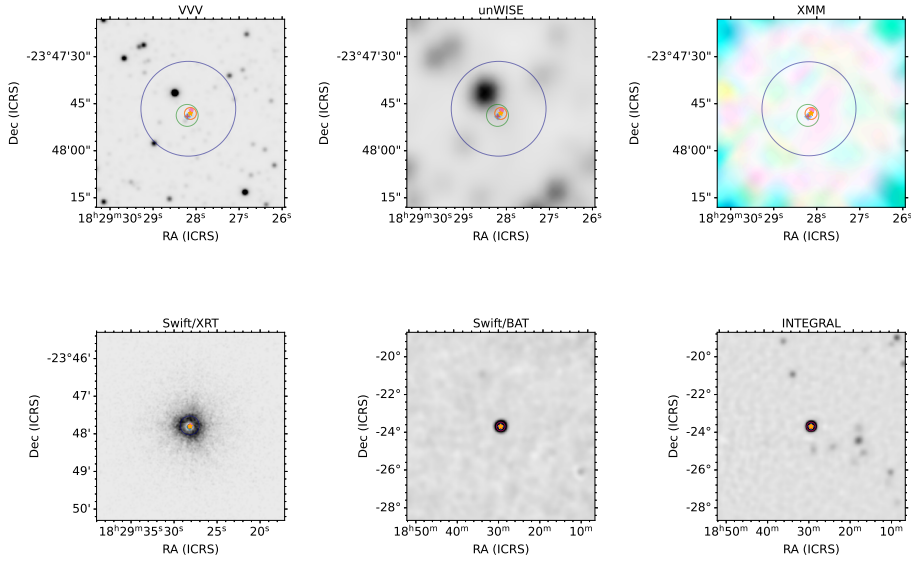
Alternative Name: 1826-2349
X-ray Type: BO, XB, XT
Mean Distance [kpc]: 7.5
Distance Range [kpc]: 7.0 – 8.0
Distance-Reference: Kong et al. (2000)
Hydrogen Column density [10^{21}cm^{-2}]: 0.44

Compact Object

Orbital Period [d]: 0.08700000000000001
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 931.67 - 29600.0
soft X-ray variability: 31.77

Optical Counterpart

Gaia DR3 Name:
V [mag]: 19.0



MAXI J1828-249*Coordinates*

RA: $18^{\text{h}}29^{\text{m}}00.28^{\text{s}}2$
DEC: $-23^{\circ}47'00.49''1$
Position-uncertainty [arcsec]: 2.000×10^0
Galactic-longitude [deg]: 9.27
Galactic-latitude [deg]: -6.09
Coordinate-Reference: Barret et al. (1995)

Binary System

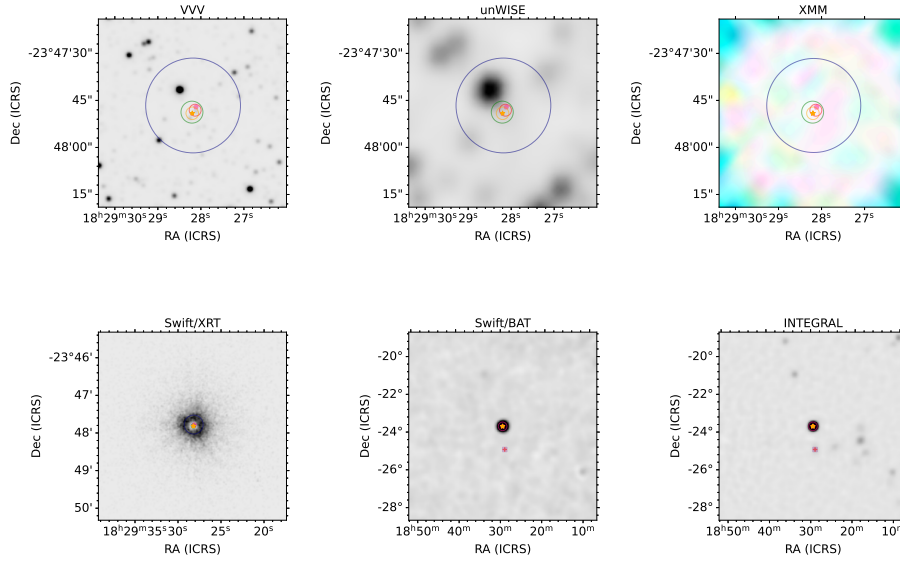
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 8.0
Distance-Reference: Grebenev et al. (2016)
Hydrogen Column density [10^{21}cm^{-2}]: 0.2

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 72.0 - 3600.0
soft X-ray variability: 50.0
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 48.0 - 2400.0
hard X-ray variability: 50.0

Optical Counterpart

Gaia DR3 Name: 4076998775244833280
Spectral Type: A-F
 Oda et al. (2019)
G [mag]: 18.55(0.11)
V [mag]: 18.0
K [mag]: 20.82(0.09)



MAXI J1836-194

Coordinates

RA: $18^{\text{h}}35^{\text{m}}04.3^{\text{s}}43$
DEC: $-19^{\circ}19'00.12''1$
Position-uncertainty [arcsec]: 1.800×10^0
Galactic-longitude [deg]: 13.95
Galactic-latitude [deg]: -5.35
Coordinate-Reference: Kennea et al. (2011)

Binary System

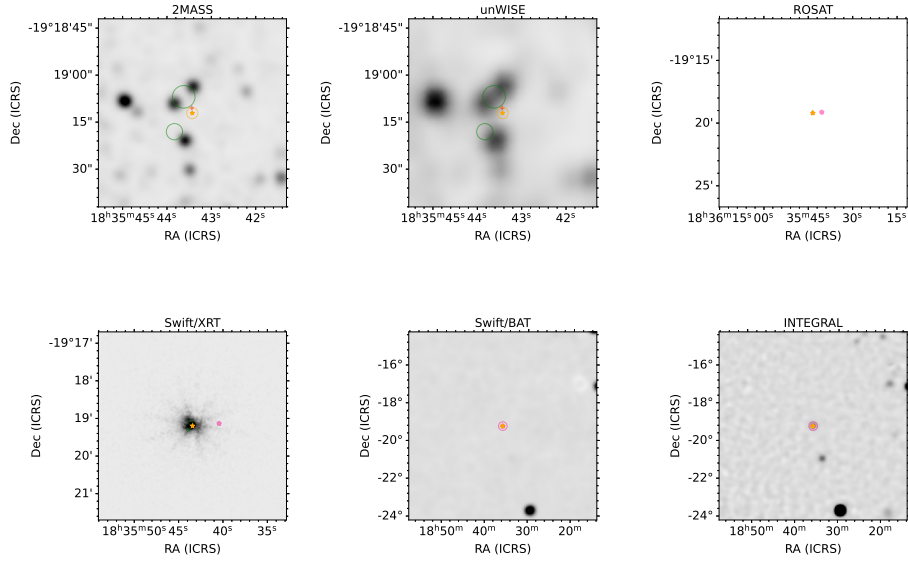
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 8.0
Distance Range [kpc]: 4.0 – 10.0
Distance-Reference: Russell et al. (2014)
Hydrogen Column density [10^{21}cm^{-2}]: 0.19

Compact Object

Orbital Period [d]: 0.204166666666667
Russell et al. (2014)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M2
López et al. (2019)
V [mag]: 16.22(0.04)
K [mag]: 20.90(0.30)



XB 1832-330*Coordinates*

RA: $18^{\text{h}}35^{\text{m}}43^{\text{s}}.649$
DEC: $-32^{\circ}59'026''.77$
Position-uncertainty [arcsec]: 1.005×10^{-2}
Galactic-longitude [deg]: 1.53
Galactic-latitude [deg]: -11.37
Coordinate-Reference: Heinke et al. (2001)

Binary System

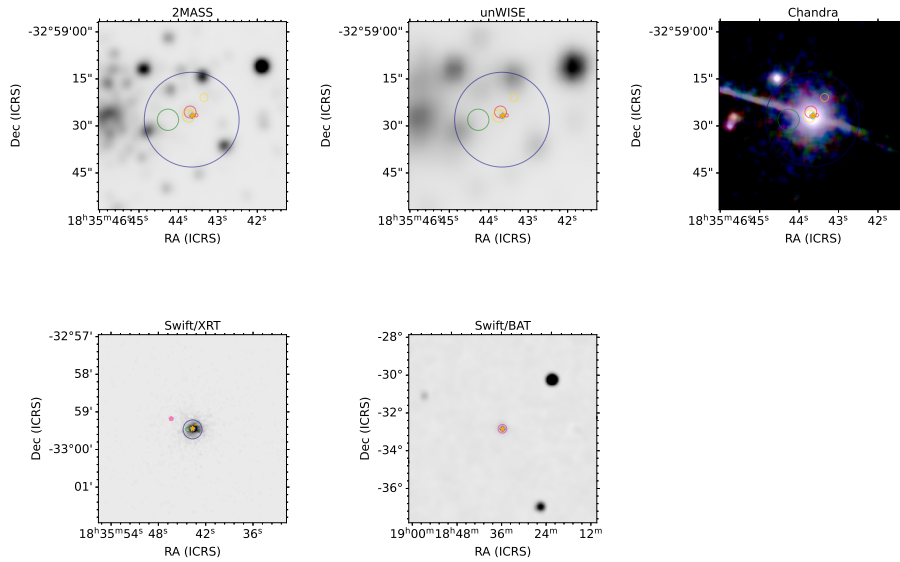
Alternative Name: RX J1832-33
X-ray Type: GC, XB
Mean Distance [kpc]: 9.6
Distance Range [kpc]: 9.2 – 10.0
Distance-Reference: Parmar et al. (2001)
Hydrogen Column density [10^{21}cm^{-2}]: 0.39

Compact Object

Orbital Period [d]: 0.08958333333333333
 Engel et al. (2012)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 34.28 - 171.21
soft X-ray variability: 4.99

Optical Counterpart

Gaia DR3 Name:
Spectral Type: He WD?
 Tutukov & Fedorova (1989)
V [mag]: 18.899999618530273



[ZGV2011] 4

Coordinates

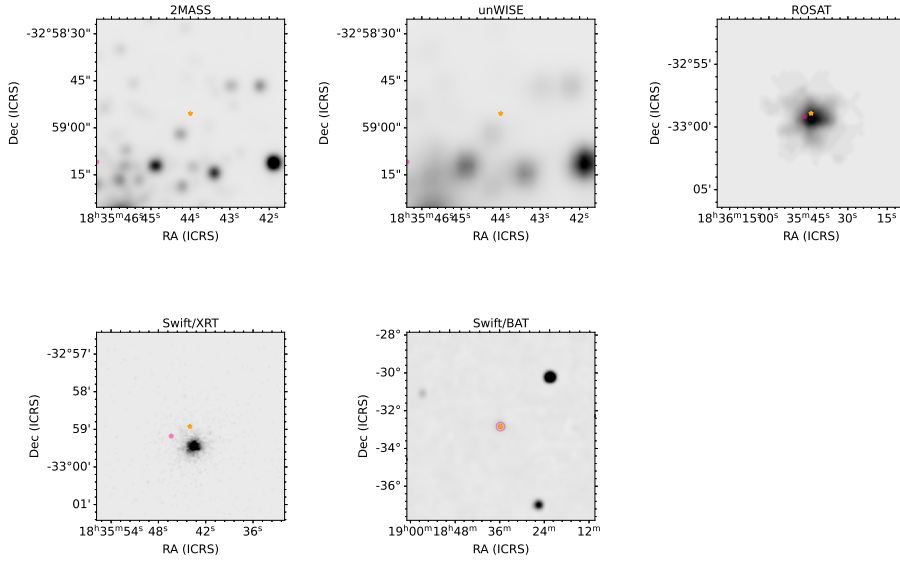
RA: $18^{\text{h}}35^{\text{m}}00.44^{\text{s}}0$
DEC: $-32^{\circ}58'00.55''4$
Galactic-longitude [deg]: 1.54
Galactic-latitude [deg]: -11.37
Coordinate-Reference: Zhang et al. (2011)

Binary System

Alternative Name:
X-ray Type: GC
Mean Distance [kpc]: 5.2
Distance Range [kpc]: 4.7 – 5.7
Distance-Reference: Ortolani et al. (1999)

Optical Counterpart

Gaia DR3 Name:



CXO Glb J183544.5-325939

Coordinates

RA: $18^{\text{h}}35^{\text{m}}44^{\text{s}}.543$
DEC: $-32^{\circ}59'038''.97$
Position-uncertainty [arcsec]: 9.045×10^{-2}
Galactic-longitude [deg]: 1.53
Galactic-latitude [deg]: -11.37
Coordinate-Reference: Heinke et al. (2001)

Binary System

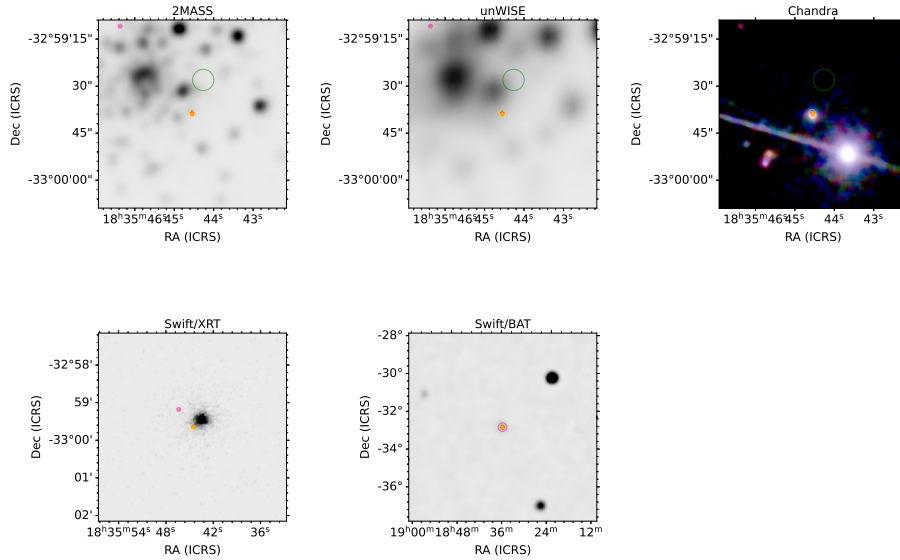
Alternative Name: NGC 6652B
X-ray Type: GC, RP?, XP?
Mean Distance [kpc]: 9.46
Distance Range [kpc]: 9.33 – 9.6
Distance-Reference: Baumgardt & Vasiliev (2021)
Hydrogen Column density [10^{21}cm^{-2}]: 0.39

Compact Object

Orbital Period [d]: 0.03027777777777778
in't Zand et al. (2007)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD?
in't Zand et al. (2007)



MXB 1837+05

Coordinates

RA: 18^h39^m57^s.557
DEC: +05°02′00.09″.5
Position-uncertainty [arcsec]: 1.404×10^{-1}
Galactic-longitude [deg]: 36.12
Galactic-latitude [deg]: 4.84
Coordinate-Reference: Migliari et al. (2004)

Binary System

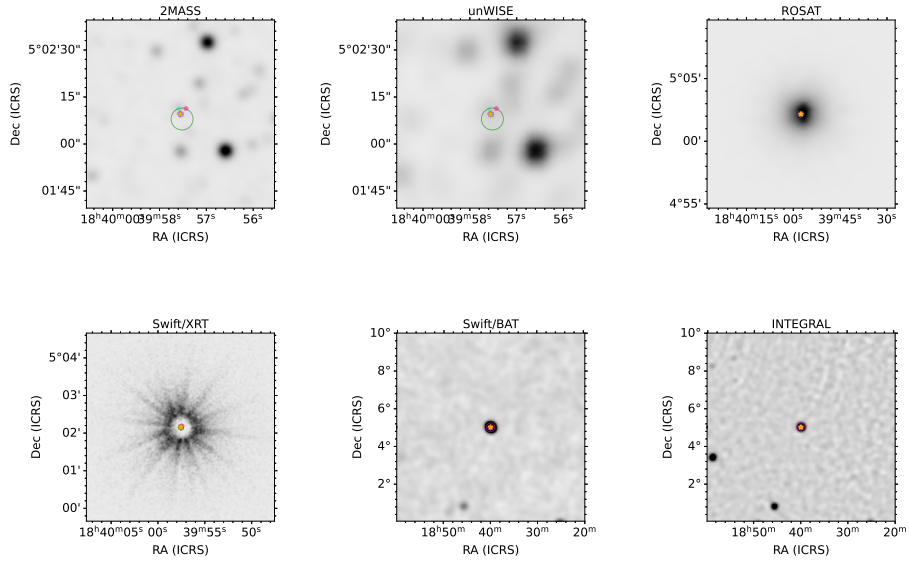
Alternative Name: Ser X-1
X-ray Type: XB, AS, RP
Mean Distance [kpc]: 5.07
Distance Range [kpc]: 3.64 – 8.64
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.65

Compact Object

Orbital Period [d]: 0.08333333333333333
 Cornelisse et al. (2013)

Optical Counterpart

Gaia DR3 Name: 4283919201304278912
Spectral Type: G5V-M5V
 Cornelisse et al. (2013)
G [mag]: 18.711(0.009)
V [mag]: 19.200000762939453
J [mag]: 15.44(0.06)
H [mag]: 15.06(0.09)
K [mag]: 14.73(0.11)
W1 [mag]: 14.733(0.031)
W2 [mag]: 14.70(0.05)



SWIFT J1842.5-1124

Coordinates

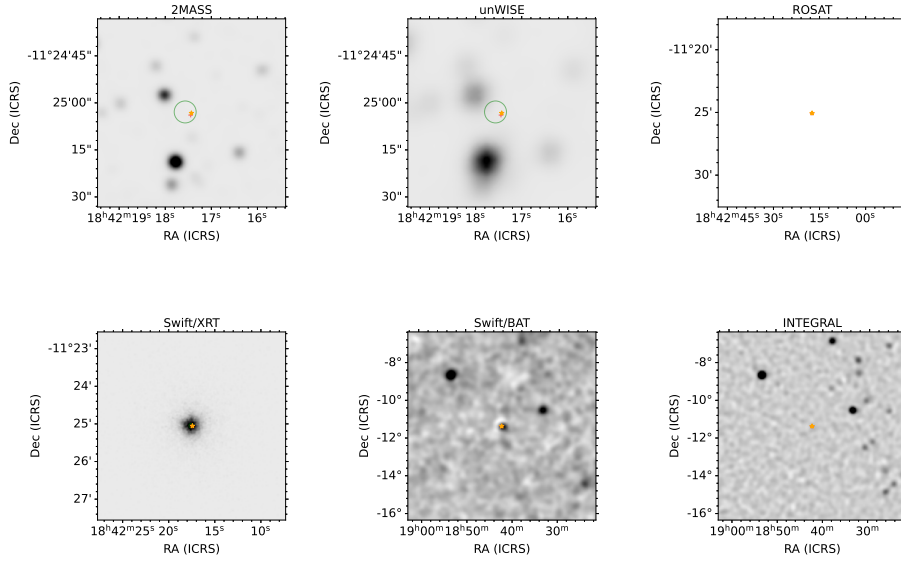
RA: $18^{\text{h}}42^{\text{m}}17^{\text{s}}.433$
DEC: $-11^{\circ}25'03''.263$
Position-uncertainty [arcsec]: 2.901×10^{-1}
Galactic-longitude [deg]: 21.73
Galactic-latitude [deg]: -3.18
Coordinate-Reference: Zhang et al. (2022)

Binary System

Alternative Name:
X-ray Type: RP, BH?
Hydrogen Column density [10^{21}cm^{-2}]: 0.31

Optical Counterpart

Gaia DR3 Name:



SWIFT J1843.5-0343

Coordinates

RA: $18^{\text{h}}43^{\text{m}}03.4^{\text{s}}75$
DEC: $-03^{\circ}42'00.56''6$
Position-uncertainty [arcsec]: 2.700×10^0
Galactic-longitude [deg]: 28.73
Galactic-latitude [deg]: 0.05
Coordinate-Reference: Krimm et al. (2011)

Binary System

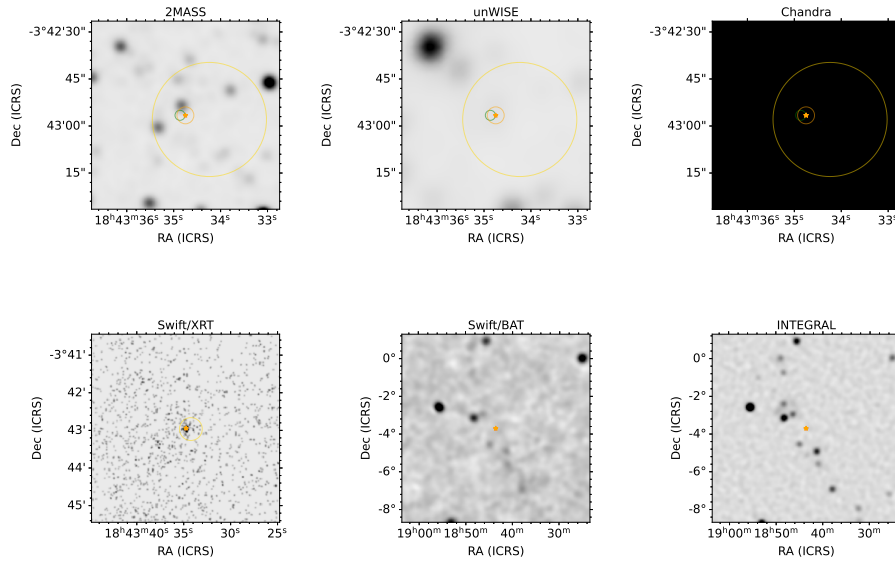
Alternative Name:
X-ray Type: XT, XP
Hydrogen Column density [10^{21}cm^{-2}]: 22.0

Compact Object

Pulse Period [s]: 42.5
Strohmayer & Markwardt (2011)

Optical Counterpart

Gaia DR3 Name:



MAXI J1848-015

Coordinates

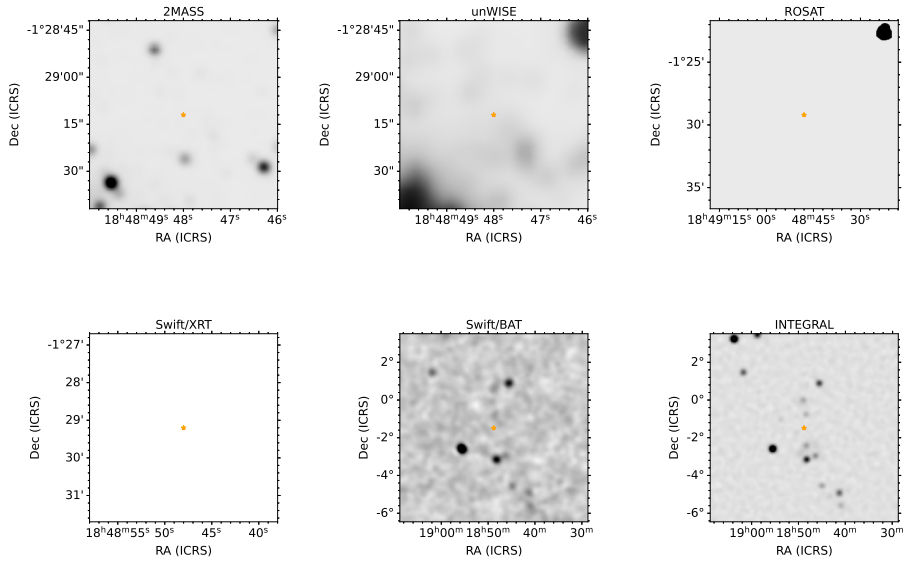
RA: $18^{\text{h}}48^{\text{m}}00.48^{\text{s}}0$
DEC: $-01^{\circ}29'00.12''0$
Galactic-longitude [deg]: 31.31
Galactic-latitude [deg]: -0.09
Coordinate-Reference: Sugizaki et al. (2001)

Binary System

Alternative Name:
X-ray Type: XT

Optical Counterpart

Gaia DR3 Name:



EXO 1846-031

Coordinates

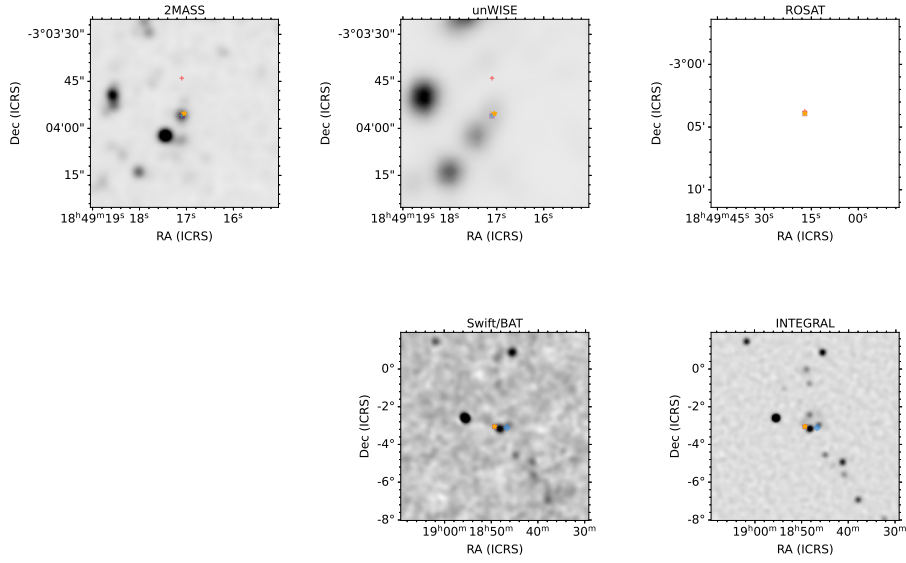
RA: $18^{\text{h}}49^{\text{m}}17^{\text{s}}.047$
DEC: $-03^{\circ}03'055''.26$
Position-uncertainty [arcsec] : 3.505×10^{-2}
Galactic-longitude [deg]: 29.96
Galactic-latitude [deg]: -0.92
Coordinate-Reference: Miller-Jones et al. (2019)

Binary System

Alternative Name:
X-ray Type: XT, RP, US, BH?
Mean Distance [kpc]: 5.0
Distance Range [kpc]: 4.0 – 6.0
Distance-Reference: Ren et al. (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 5.0

Optical Counterpart

Gaia DR3 Name: 4258794192383316864
G [mag]: 19.514(0.006)
J [mag]: 13.84(0.04)
H [mag]: 12.26(0.05)
K [mag]: 11.57(0.04)
W1 [mag]: 10.947(0.011)
W2 [mag]: 11.040(0.009)



Swift J185003.2-005627

Coordinates

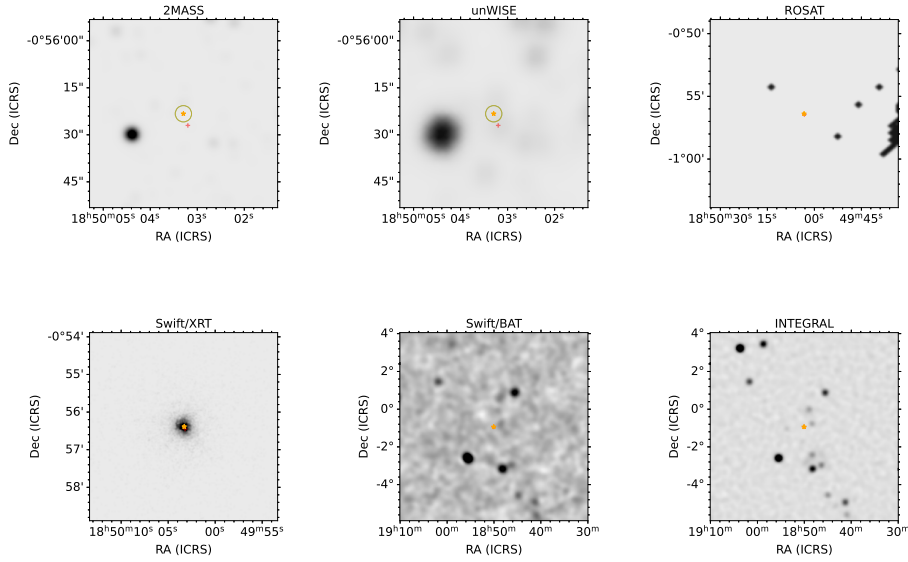
RA: $18^{\text{h}}50^{\text{m}}03^{\text{s}}.295$
DEC: $-00^{\circ}56'023''28$
Position-uncertainty [arcsec]: 2.600×10^0
Galactic-longitude [deg]: 31.94
Galactic-latitude [deg]: -0.12
Coordinate-Reference: Evans et al. (2019)

Binary System

Alternative Name:
X-ray Type: XT, XB
Distance-Reference: Degenaar et al. (2012a)
Hydrogen Column density [10^{21}cm^{-2}]: 1.1

Optical Counterpart

Gaia DR3 Name:



4U 1850-087

Coordinates

RA: $18^{\text{h}}53^{\text{m}}04^{\text{s}}.866$
DEC: $-08^{\circ}42'020''.34$
Position-uncertainty [arcsec]: 5.000×10^{-2}
Galactic-longitude [deg]: 25.36
Galactic-latitude [deg]: -4.32
Coordinate-Reference: Shishkovsky et al. (2020)

Binary System

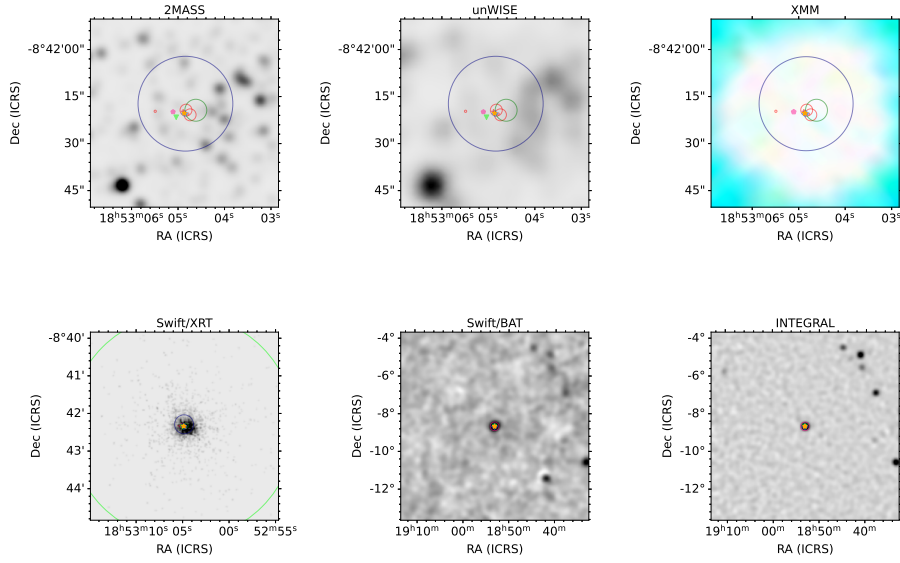
Alternative Name: NGC 6712-VLA7
X-ray Type: GC, RP?, XB, AS
Mean Distance [kpc]: 8.2
Distance Range [kpc]: 7.6 – 8.8
Distance-Reference: Kuulkers et al. (2003)
Hydrogen Column density [10^{21}cm^{-2}]: 0.32

Compact Object

Orbital Period [d]: 0.014291666666666668
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 12.31 - 296.2
soft X-ray variability: 24.07
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 63.49 - 296.2
hard X-ray variability: 4.67

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD
 Prodan & Murray (2015)
V [mag]: 21.0



IGR J18539+0727

Coordinates

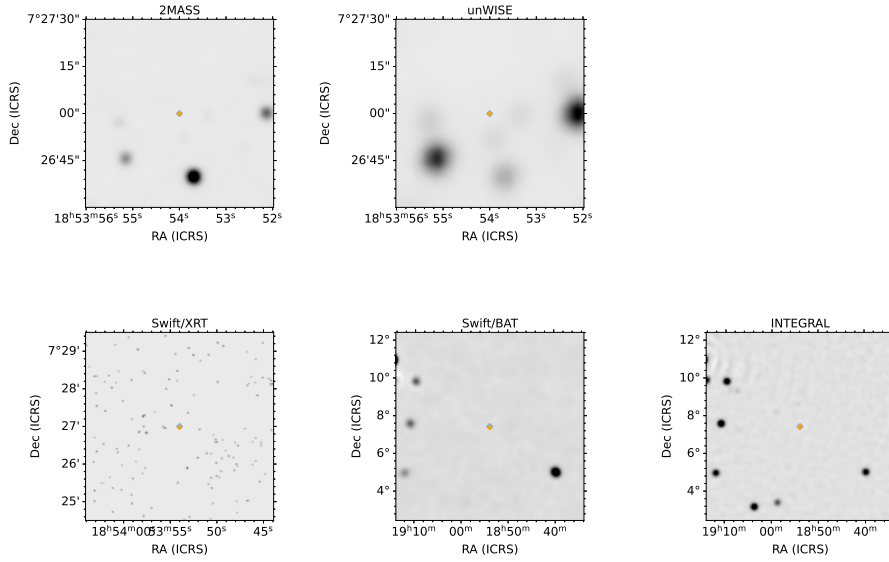
RA: $18^{\text{h}}53^{\text{m}}00.54^{\text{s}}0$
DEC: $+07^{\circ}27'00.00''0$
Galactic-longitude [deg]: 39.85
Galactic-latitude [deg]: 2.85
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XT, BH?, RP?
Hydrogen Column density [10^{21}cm^{-2}]: 1.5

Optical Counterpart

Gaia DR3 Name:



XTE J1856+053

Coordinates

RA: $18^{\text{h}}56^{\text{m}}00.42^{\text{s}}.9$
DEC: $+05^{\circ}18'00.34''.3$
Position-uncertainty [arcsec]: 3.000×10^{-1}
Galactic-longitude [deg]: 38.26
Galactic-latitude [deg]: 1.25
Coordinate-Reference: Torres et al. (2007b)

Binary System

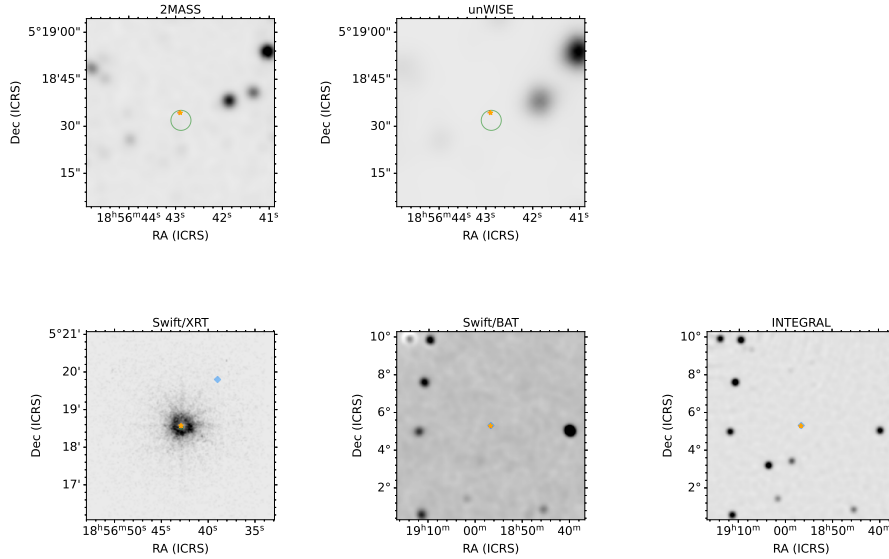
Alternative Name:
X-ray Type: XT, BH?
Mean Distance [kpc]: 4.0
Distance Range [kpc]: 1.0 – 10.0
Distance-Reference: Sala et al. (2008)
Hydrogen Column density [10^{21}cm^{-2}]: 4.5

Compact Object

Orbital Period [d]: 0.5
 Sala et al. (2008)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M-K?
 Sala et al. (2008)
K [mag]: 20.09(0.26)



Swift J1858.6-0814

Coordinates

RA: $18^{\text{h}}58^{\text{m}}34^{\text{s}}.911$
DEC: $-08^{\circ}14'014''.95$
Position-uncertainty [arcsec]: 1.041×10^{-3}
Galactic-longitude [deg]: 26.39
Galactic-latitude [deg]: -5.32
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

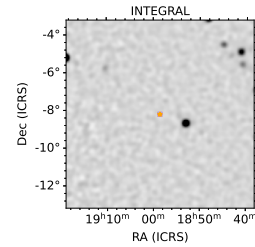
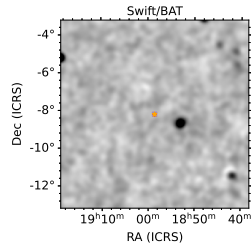
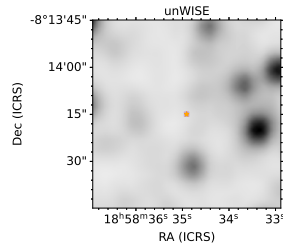
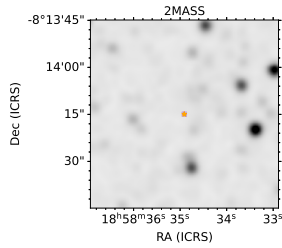
Alternative Name:
X-ray Type: XT, XB, RP
Mean Distance [kpc]: 12.8
Distance Range [kpc]: 12.2 – 13.5
Distance-Reference: Buisson et al. (2020)
Hydrogen Column density [10^{21}cm^{-2}]: 0.4

Compact Object

Orbital Period [d]: 0.8893668981481482
 Buisson et al. (2021)

Optical Counterpart

Gaia DR3 Name: 4203799300867262720
G [mag]: 19.963(0.017)
J [mag]: 18.85(0.10)



XTE J1859+226

Coordinates

RA: 18^h58^m041^s.58
DEC: +22°39′0029″.4
Position-uncertainty [arcsec]: 5.000×10^{-2}
Galactic-longitude [deg]: 54.05
Galactic-latitude [deg]: 8.61
Coordinate-Reference: Hynes et al. (2002)

Binary System

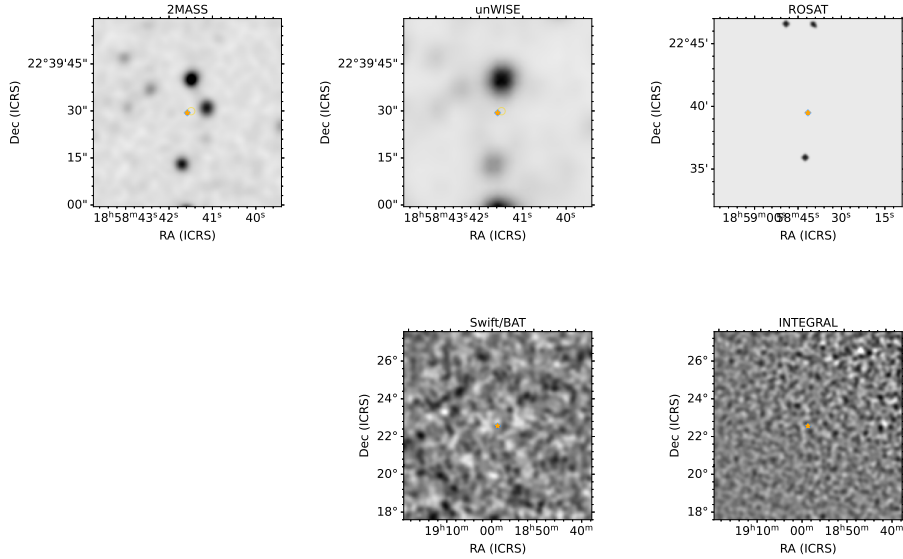
Alternative Name: J1858+2230
X-ray Type: SH, RP, XT, BH, MQ?
Mean Distance [kpc]: 4.2
Distance Range [kpc]: 3.7 – 4.7
Distance-Reference: Shaposhnikov & Titarchuk (2009)
Hydrogen Column density [10^{21}cm^{-2}]: 0.6

Compact Object

Orbital Period [d]: 0.38166666666666665
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 8630.0
soft X-ray variability: 5753333.33

Optical Counterpart

Gaia DR3 Name:
Spectral Type: G5V-K0V
 Yungelson & Lasota (2008a)
V [mag]: 18.840(0.030)



HETE J1900.1-2455*Coordinates*

RA: 19^h00^m08^s.642
DEC: −24°55′14″.034
Position-uncertainty [arcsec] : 1.036×10^{-3}
Galactic-longitude [deg]: 11.3
Galactic-latitude [deg]: −12.87
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

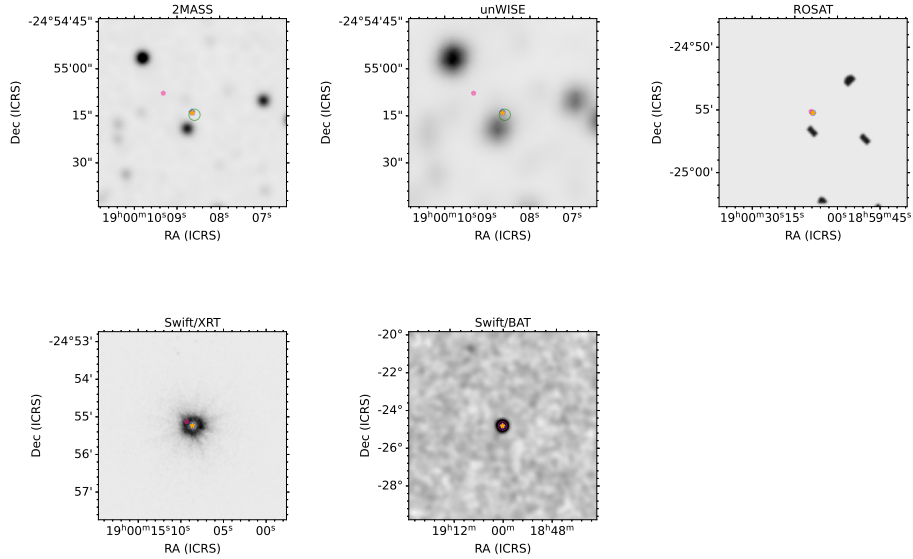
Alternative Name: J1900-2455
X-ray Type: XP, XB, XT
Mean Distance [kpc]: 5.0
Distance-Reference: Kawai & Suzuki (2005)
Hydrogen Column density [10^{21}cm^{-2}]: 0.1

Compact Object

Orbital Period [d]: 0.057916666666666665
 Liu et al. (2007)
Pulse Period [s]: 0.00265
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name: 4074363039644919936
G [mag]: 18.069(0.011)
V [mag]: 18.09000015258789



XTE J1901+014

Coordinates

RA: 19^h01^m00.40^s2
DEC: +01°26′00.31″0
Position-uncertainty [arcsec] : 5.086×10^{-4}
Galactic-longitude [deg]: 35.38
Galactic-latitude [deg]: -1.62
Coordinate-Reference: Karasev et al. (2007)

Binary System

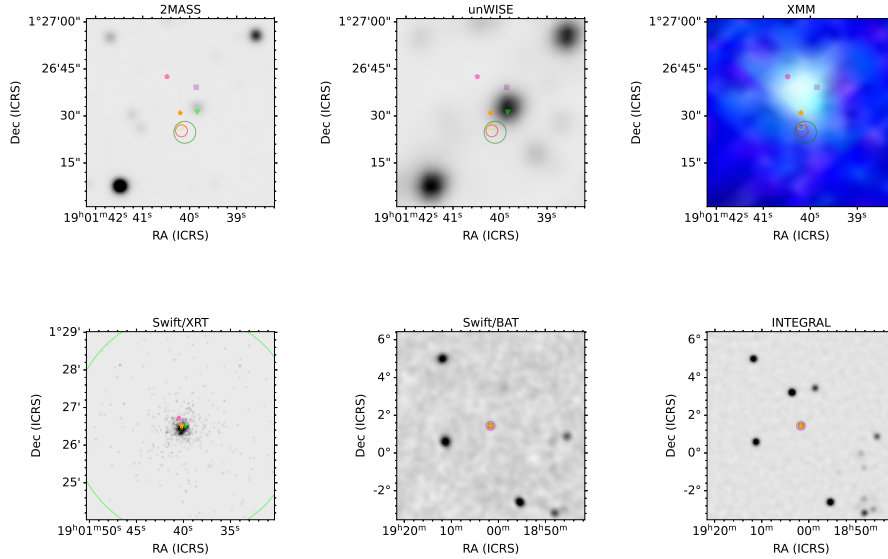
Alternative Name:
Mean Distance [kpc]: 3.14
Distance Range [kpc]: 1.18 – 6.27
Distance-Reference: Bailer-Jones et al. (2018)

Compact Object

soft-band flux [10^{-12} erg/cm²/s]: 5.21 - 76.04
soft X-ray variability: 14.6
hard-band flux [10^{-12} erg/cm²/s]: 33.03 - 76.04
hard X-ray variability: 2.3

Optical Counterpart

Gaia DR3 Name: 4268294763113217152
G [mag]: 19.413(0.005)



1H 1905+000*Coordinates*

RA: 19^h08^m026^s.97
DEC: +00°10'0007''7
Position-uncertainty [arcsec] : 5.000×10^{-1}
Galactic-longitude [deg]: 35.02
Galactic-latitude [deg]: -3.71
Coordinate-Reference: Evans et al. (2010)

Binary System

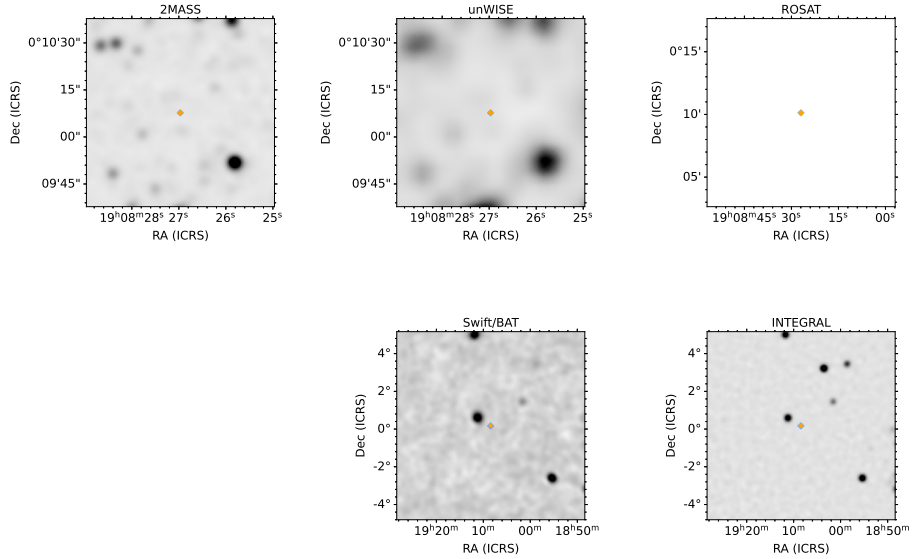
Alternative Name:
X-ray Type: XB, XT
Distance Range [kpc]: 7.0 – 10.0
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 0.19

Compact Object

Orbital Period [d]: 0.05541666666666667
Mikhailov et al. (2017)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.0 - 470.03
soft X-ray variability: 222222.22

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD/BD?
Jonker et al. (2007)
V [mag]: 20.5



XTE J1908+094

Coordinates

RA: 19^h08^m53^s.071
DEC: +09°23′05″.031
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 43.26
Galactic-latitude [deg]: 0.43
Coordinate-Reference: Evans et al. (2010)

Binary System

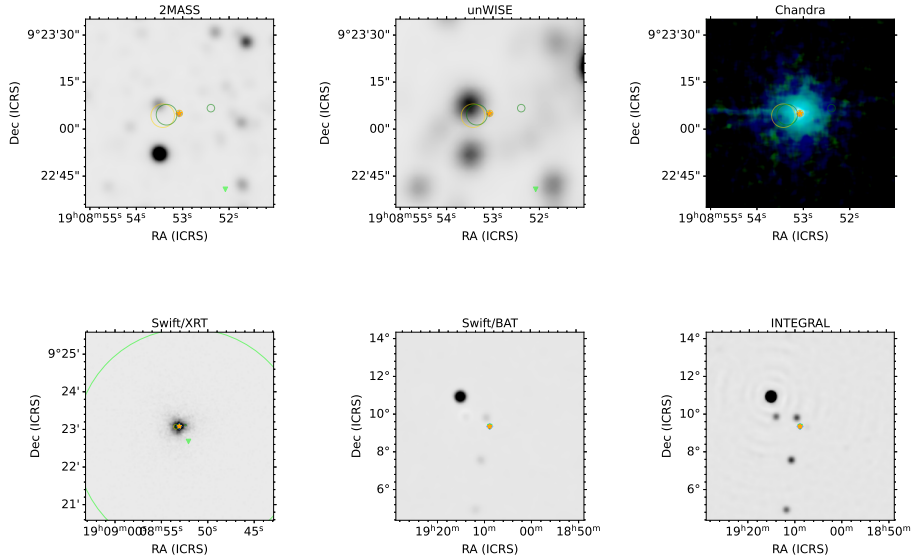
Alternative Name:
X-ray Type: RP, XT, BH?, MQ?
Mean Distance [kpc]: 2.0
Distance Range [kpc]: 1.0 – 3.0
Distance-Reference: Chaty et al. (2006)
Hydrogen Column density [10^{21}cm^{-2}]: 8.77

Compact Object

hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 7.72 - 114.9
hard X-ray variability: 14.88

Optical Counterpart

Gaia DR3 Name:
V [mag]: 15.80(0.30)



MAXI J1910-057*Coordinates*

RA: $19^{\text{h}}10^{\text{m}}00.22^{\text{s}}.8$
DEC: $-05^{\circ}47'00.55''.9$
Position-uncertainty [arcsec]: 1.000×10^0
Galactic-longitude [deg]: 29.9
Galactic-latitude [deg]: -6.84
Coordinate-Reference: Rau et al. (2012)

Binary System

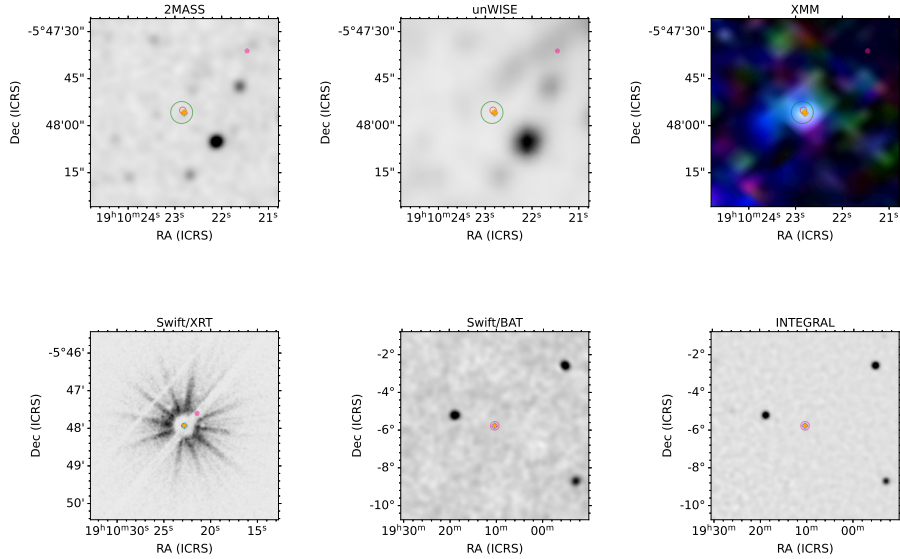
Alternative Name: Swift J1910.2-0546
X-ray Type: XT, XB
Hydrogen Column density [10^{21}cm^{-2}]: 0.53

Compact Object

Orbital Period [d]: 0.093
 Ritter & Kolb (2003)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 782.3
soft X-ray variability: 70806.63

Optical Counterpart

Gaia DR3 Name:
K [mag]: 20.43(0.11)



[PLH2002] CX19

Coordinates

RA: $19^{\text{h}}10^{\text{m}}00.55^{\text{s}}6$
DEC: $-59^{\circ}59'017''.33$
Position-uncertainty [arcsec] : 1.025×10^0
Galactic-longitude [deg]: 336.49
Galactic-latitude [deg]: -25.64
Coordinate-Reference: Evans et al. (2010)

Binary System

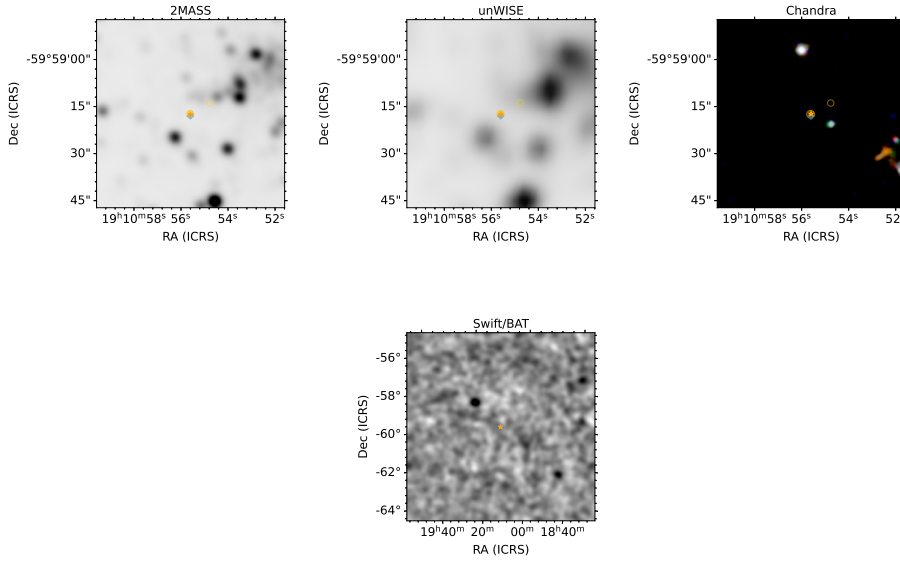
Alternative Name: J1910-59591
X-ray Type: QNS?

Compact Object

Orbital Period [d]: 0.226
Ritter & Kolb (2003)

Optical Counterpart

Gaia DR3 Name:



X Aql X-1*Coordinates*

RA: 19^h11^m16^s.055
DEC: +00°35′05″.786
Position-uncertainty [arcsec]: 3.990×10^{-4}
Galactic-longitude [deg]: 35.72
Galactic-latitude [deg]: -4.14
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

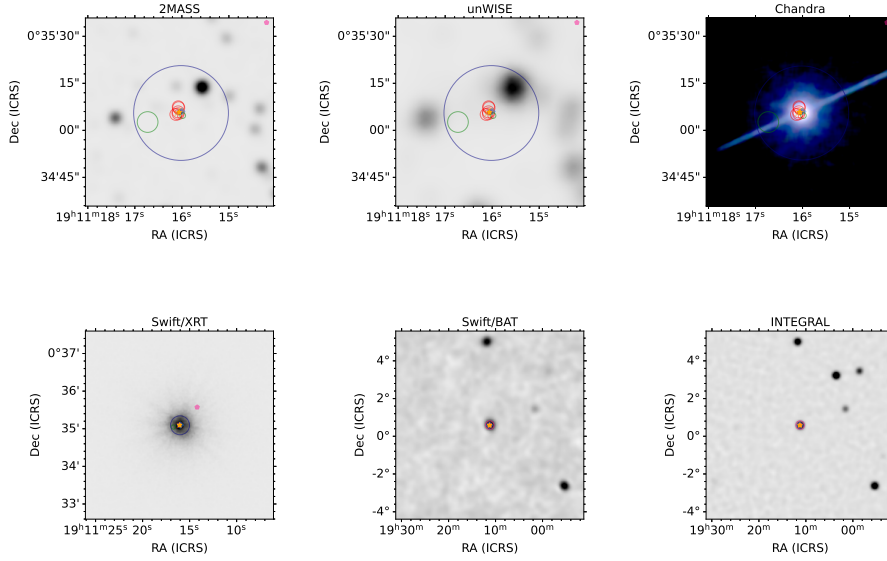
Alternative Name: 3U 1908+00
X-ray Type: AS, BO, XB, XT, RP
Mean Distance [kpc]: 4.54
Distance Range [kpc]: 2.74 – 8.77
Distance-Reference: Bailer-Jones et al. (2018)
Hydrogen Column density [10^{21}cm^{-2}]: 0.56

Compact Object

Orbital Period [d]: 0.7895833333333333
 Liu et al. (2007)
Pulse Period [s]: 0.00182
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.35 - 277.01
soft X-ray variability: 784.68

Optical Counterpart

Gaia DR3 Name: 4264296556603631872
Spectral Type: K7/5
 Ritter & Kolb (2003)
G [mag]: 18.934(0.006)
J [mag]: 15.78(0.09)
H [mag]: 15.31(0.14)
K [mag]: 15.05(0.15)
W1 [mag]: 15.077(0.024)
W2 [mag]: 15.24(0.05)



GRS 1915+105

Coordinates

RA: 19^h15^m11^s.576
DEC: +10°56′45″.299
Position-uncertainty [arcsec]: 1.034×10^{-1}
Galactic-longitude [deg]: 45.37
Galactic-latitude [deg]: -0.22
Coordinate-Reference: Marocco et al. (2021)

Binary System

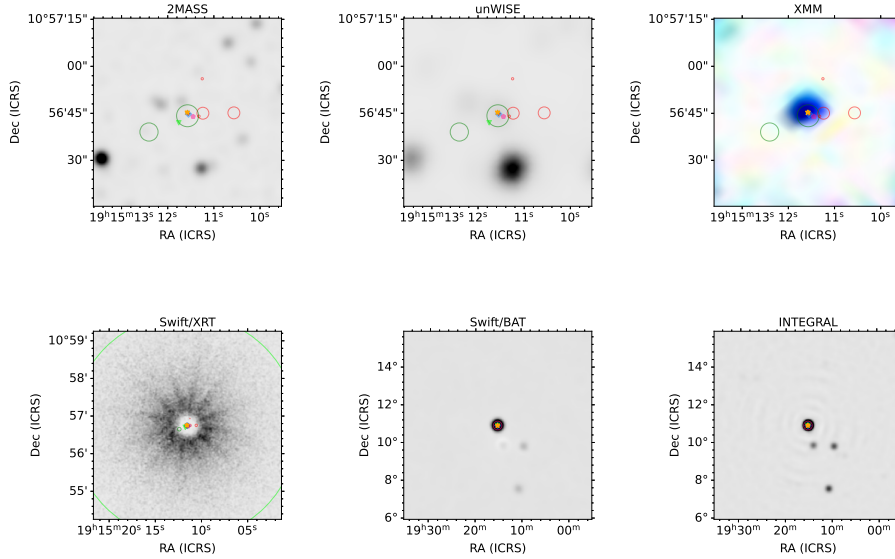
Alternative Name: V1487 Aql
X-ray Type: DS, PSH, BH, MQ, XT, RP
Mean Distance [kpc]: 11.0
Distance Range [kpc]: 7.0 – 12.0
Distance-Reference: Jonker & Nelemans (2004)

Compact Object

Orbital Period [d]: 33.5
 Liu et al. (2007)
soft-band flux [10^{-12} erg/cm²/s]: 0.0 - 6238.55
soft X-ray variability: 2079405.77
hard-band flux [10^{-12} erg/cm²/s]: 3372.94 - 4938.0
hard X-ray variability: 1.46

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K/3
 Ritter & Kolb (2003)
J [mag]: 15.432000(0)
H [mag]: 14.37(0.06)
K [mag]: 12.90(0.06)
W1 [mag]: 11.79(0.04)
W2 [mag]: 11.344(0.034)



4U 1915-05*Coordinates*

RA: 19^h18^m47^s.857
DEC: −05°14′17″.405
Position-uncertainty [arcsec]: 3.264×10^{-3}
Galactic-longitude [deg]: 31.36
Galactic-latitude [deg]: −8.46
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

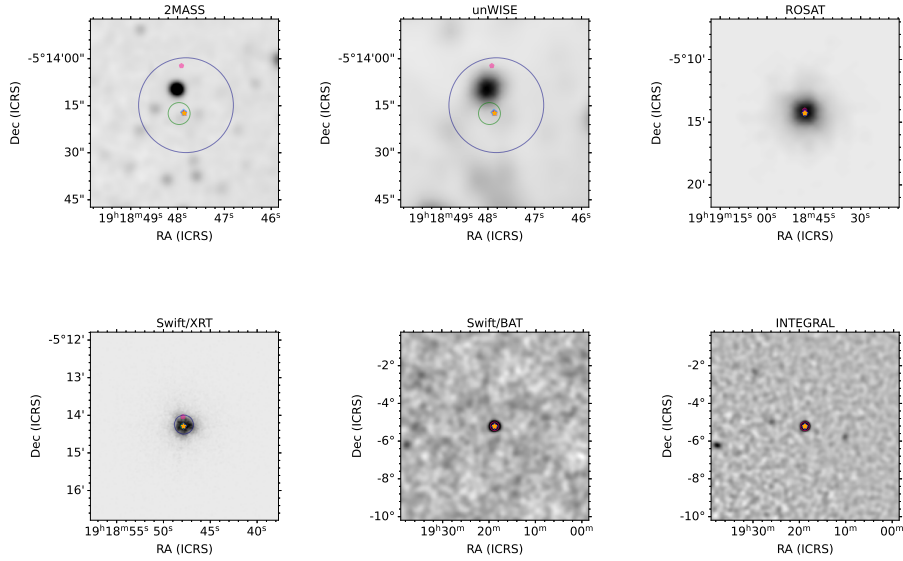
Alternative Name: 4U 1915-05
X-ray Type: DS, NSH, PSH, BO, XB, AS
Mean Distance [kpc]: 8.8
Distance Range [kpc]: 7.5 – 10.1
Distance-Reference: Jonker & Nelemans (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 0.47

Compact Object

Orbital Period [d]: 0.034583333333333334
 Liu et al. (2007)
Pulse Period [s]: 0.0037
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 422.83 - 10000.0
soft X-ray variability: 23.65

Optical Counterpart

Gaia DR3 Name: 4211396994895217152
Spectral Type: WD
 Yu et al. (2021)
G [mag]: 20.837(0.022)
V [mag]: 21.0



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Coordinates

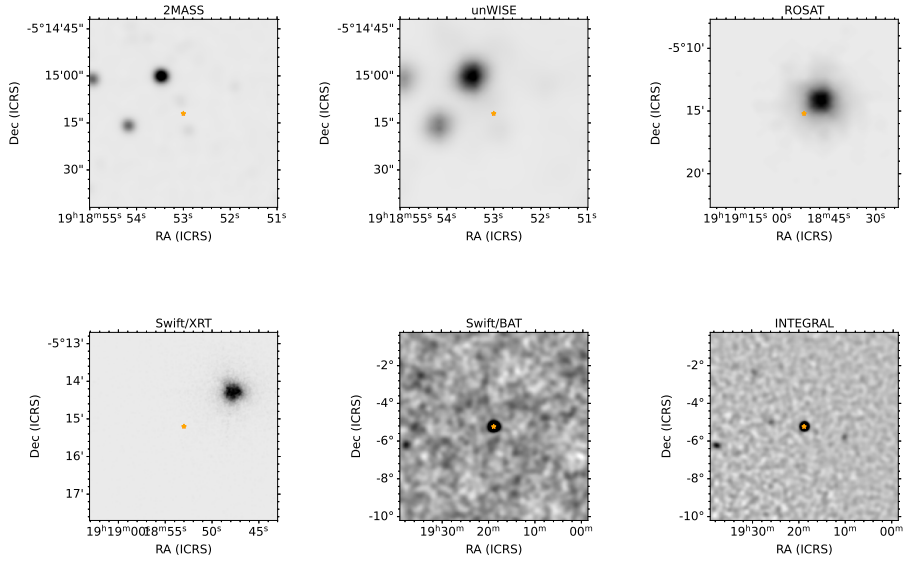
RA: 19^h18^m00s.530
DEC: −05°15′00.12″.0
Galactic-longitude [deg]: 31.35
Galactic-latitude [deg]: −8.49
Coordinate-Reference: Bird et al. (2004)

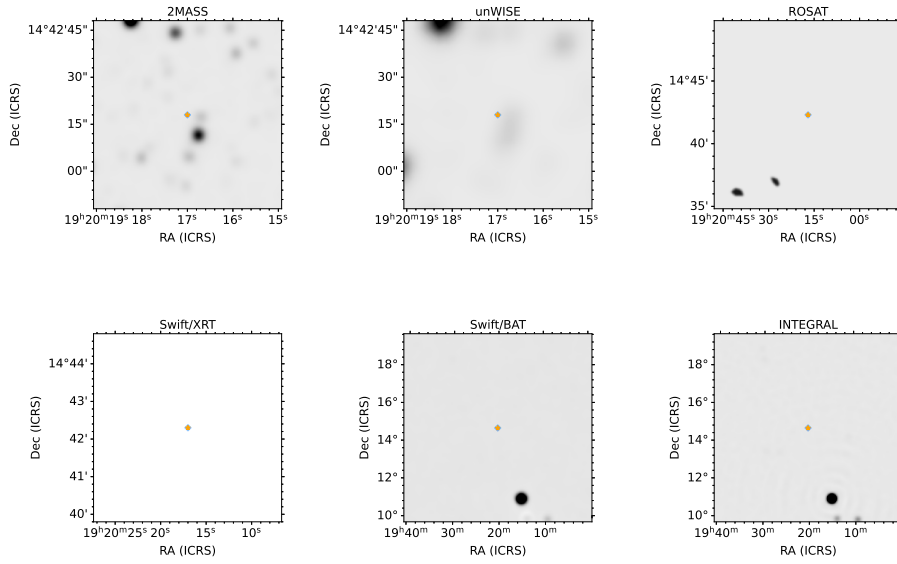
Binary System

Alternative Name:

Optical Counterpart

Gaia DR3 Name:



4U 1918+15*Coordinates***RA:** 19^h20^m00.17^s0**DEC:** +14°42′00.18″0**Galactic-longitude** [deg]: 49.27**Galactic-latitude** [deg]: 0.44**Coordinate-Reference:** Liu et al. (2007)*Binary System***Alternative Name:****X-ray Type:** XT*Optical Counterpart***Gaia DR3 Name:**

2MAXI J1922-171

Coordinates

RA: 19^h22^m0037.0
DEC: −17°17′0001″.1
Position-uncertainty [arcsec]: 6.100×10^{-1}
Galactic-longitude [deg]: 20.68
Galactic-latitude [deg]: −14.52
Coordinate-Reference: Degenaar et al. (2012a)

Binary System

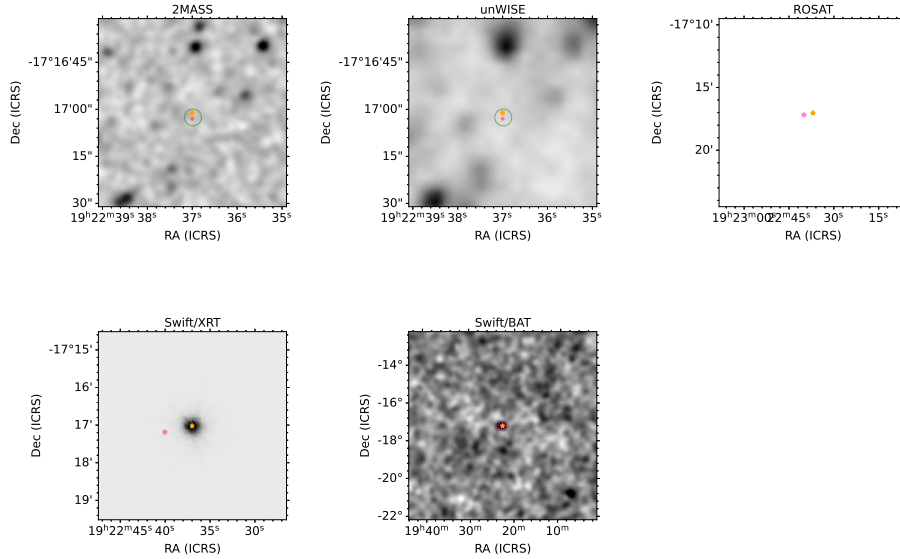
Alternative Name: Swift J1922.7-1716
X-ray Type: XT, XB
Distance-Reference: Degenaar et al. (2012a)
Hydrogen Column density [10^{21}cm^{-2}]: 0.15

Compact Object

Orbital Period [d]: 0.20833333333333334
 Halpern & Skinner (2011)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M?
 Halpern & Skinner (2011)
V [mag]: 23.4



[GPG2012] X1*Coordinates*

RA: $19^{\text{h}}41^{\text{m}}014^{\text{s}}.08$
DEC: $+40^{\circ}14'0005''6$
Position-uncertainty [arcsec]: 1.070×10^0
Galactic-longitude [deg]: 74.01
Galactic-latitude [deg]: 8.51
Coordinate-Reference: Gosnell et al. (2012)

Binary System

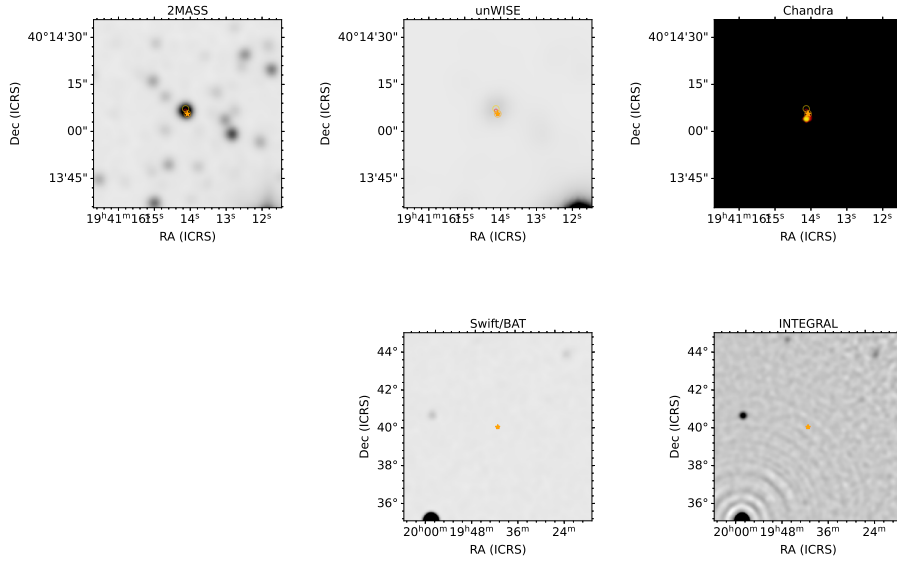
Alternative Name:
X-ray Type: QNS?, XT?
Mean Distance [kpc]: 2.34
Distance Range [kpc]: 2.28 – 2.4
Distance-Reference: Basu et al. (2011)
Hydrogen Column density [10^{21}cm^{-2}]: 0.08

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.03 - 0.03
soft X-ray variability: 1.32

Optical Counterpart

Gaia DR3 Name:



XB 1940-04

Coordinates

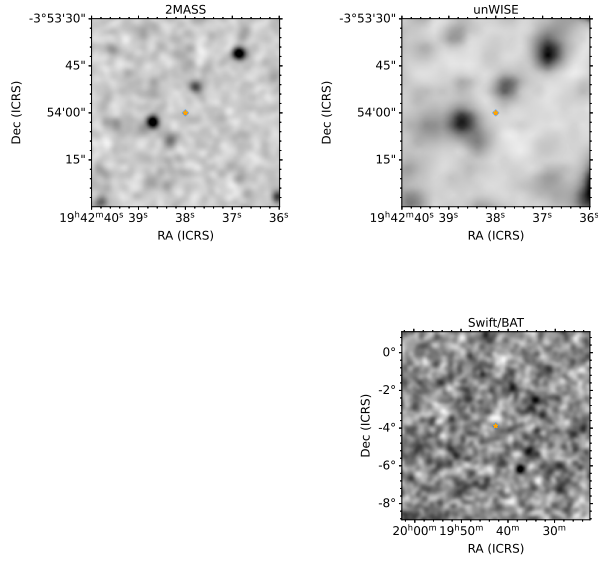
RA: $19^{\text{h}}42^{\text{m}}00.38^{\text{s}}0$
DEC: $-03^{\circ}54'00.00''0$
Galactic-longitude [deg]: 35.3
Galactic-latitude [deg]: -13.16
Coordinate-Reference: Liu et al. (2007)

Binary System

Alternative Name:
X-ray Type: XB

Optical Counterpart

Gaia DR3 Name:



MAXI J1957+032*Coordinates*

RA: 19^h56^m0039^s.1
DEC: +03°26′0043″.7
Position-uncertainty [arcsec]: 9.000×10^{-1}
Galactic-longitude [deg]: 43.65
Galactic-latitude [deg]: -12.83
Coordinate-Reference: López et al. (2019)

Binary System

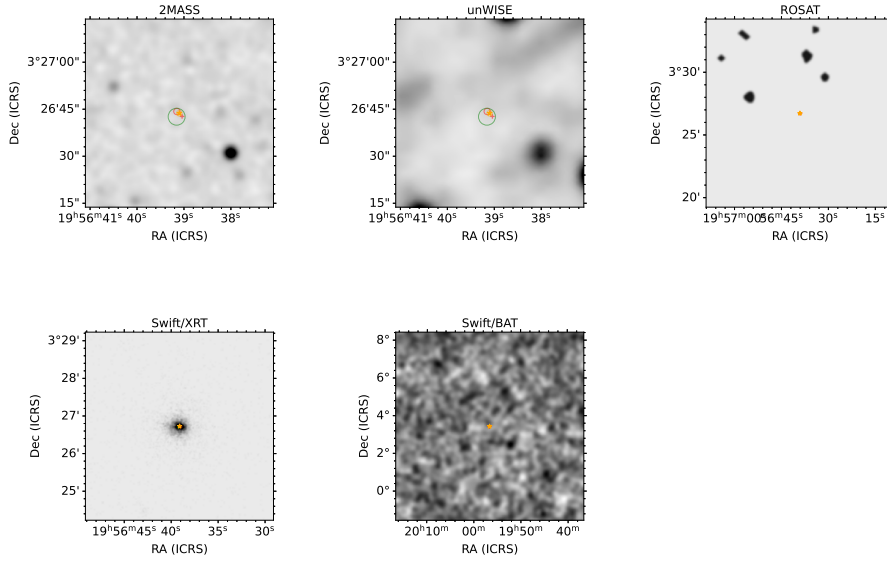
Alternative Name:
X-ray Type: XT, XP
Mean Distance [kpc]: 5.0
Distance Range [kpc]: 3.0 – 7.0
Distance-Reference: Ravi (2017)
Hydrogen Column density [10^{21}cm^{-2}]: 0.31

Compact Object

Orbital Period [d]: 0.042280624999999995
 Sanna et al. (2022a)
Pulse Period [s]: 0.0031883308062763114
 Sanna et al. (2022a)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 250.0
soft X-ray variability: 49088.72

Optical Counterpart

Gaia DR3 Name:
Spectral Type: M6
 López et al. (2019)
K [mag]: 22.29(0.15)



4U 1957+11

Coordinates

RA: 19^h59^m24^s.008
DEC: +11°42′29″.826
Position-uncertainty [arcsec]: 1.500×10^{-4}
Galactic-longitude [deg]: 51.31
Galactic-latitude [deg]: -9.33
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

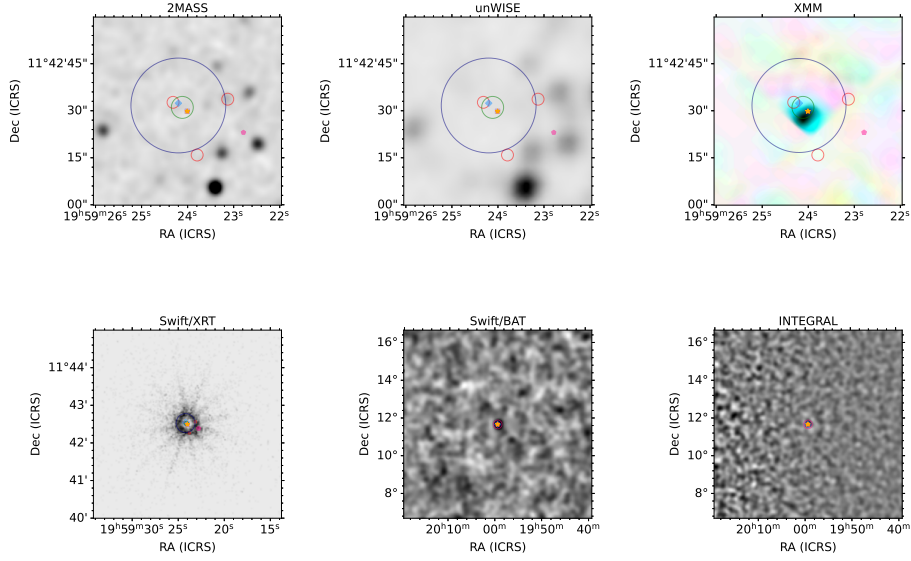
Alternative Name: V1408 Aql
X-ray Type: BH?, US
Mean Distance [kpc]: 9.43
Distance Range [kpc]: 9.39 – 9.48
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.23

Compact Object

Orbital Period [d]: 0.38875
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.97 - 1768.0
soft X-ray variability: 253.81

Optical Counterpart

Gaia DR3 Name: 4303869526257075968
G [mag]: 18.316(0.012)
V [mag]: 18.950(0.030)
J [mag]: 18.32(0.07)
H [mag]: 18.15(0.10)
K [mag]: 18.15(0.12)



GS 2000+25*Coordinates*

RA: 20^h02^m04^s.58
DEC: +25°14'00.11''3
Galactic-longitude [deg]: 63.37
Galactic-latitude [deg]: -3.0
Coordinate-Reference: Liu et al. (2007)

Binary System

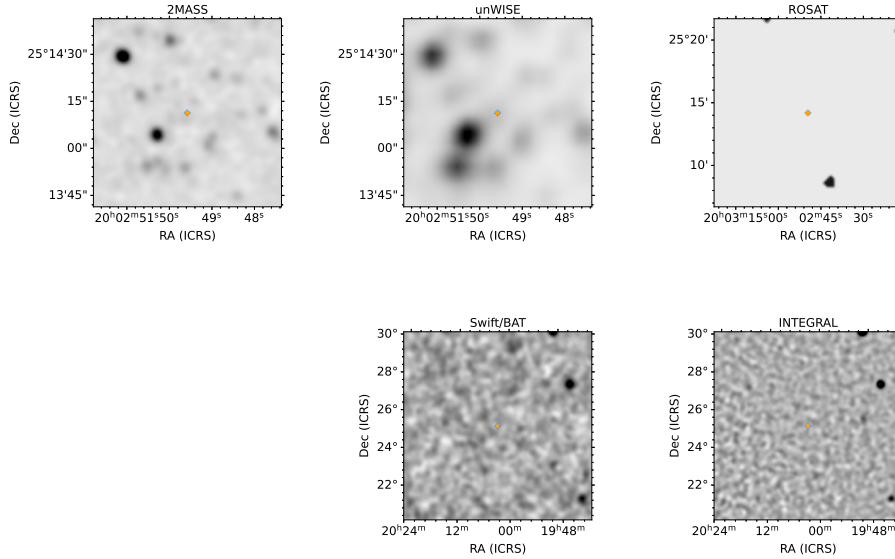
Alternative Name: QZ Vul
X-ray Type: RP, XT, BH, PSH, US
Mean Distance [kpc]: 2.0
Distance Range [kpc]: 1.6 – 2.6
Distance-Reference: Harlaftis et al. (1996)
Hydrogen Column density [10^{21}cm^{-2}]: 0.8

Compact Object

Orbital Period [d]: 0.3441666666666667
 Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K3V-K6V
 Yungelson & Lasota (2008a)
V [mag]: 18.200000762939453



XTE J2012+381

Coordinates

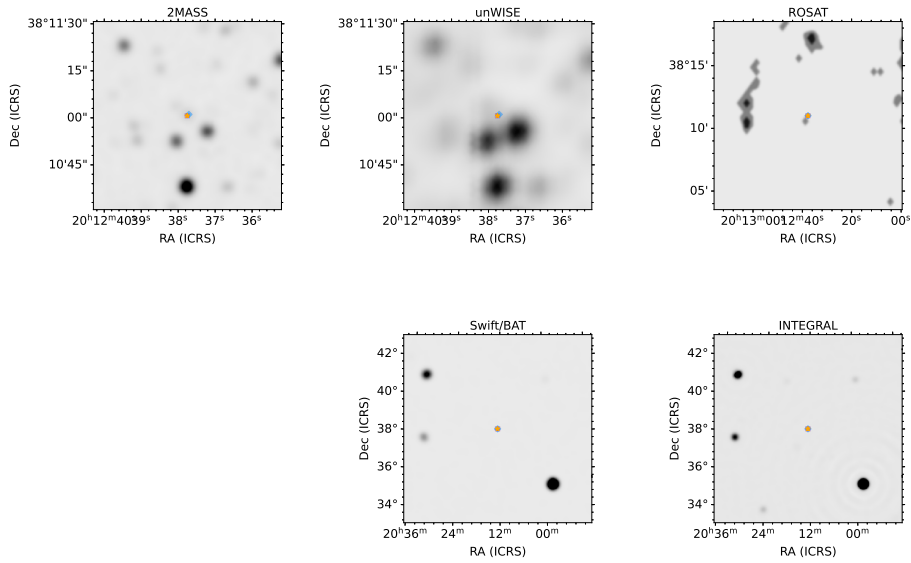
RA: 20^h12^m37^s.754
DEC: +38°11'00".666
Position-uncertainty [arcsec]: 8.159×10^{-5}
Galactic-longitude [deg]: 75.39
Galactic-latitude [deg]: 2.25
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

Alternative Name:
X-ray Type: XT, US, RP, BH?
Mean Distance [kpc]: 6.0
Distance Range [kpc]: 3.0 – 15.0
Distance-Reference: Aleksandrovich & Aref'ev (2002)
Hydrogen Column density [10^{21}cm^{-2}]: 0.38

Optical Counterpart

Gaia DR3 Name: 2061673641720429312
Spectral Type: F0/F3
Aleksandrovich & Aref'ev (2002)
G [mag]: 17.5174(0.0029)
V [mag]: 21.329999923706055
J [mag]: 15.30(0.06)
H [mag]: 14.69(0.08)
K [mag]: 14.53(0.10)



GS 2023+338*Coordinates*

RA: 20^h24^m03^s.818
DEC: +33°52′01″.837
Position-uncertainty [arcsec]: 8.025×10^{-5}
Galactic-longitude [deg]: 73.12
Galactic-latitude [deg]: -2.09
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

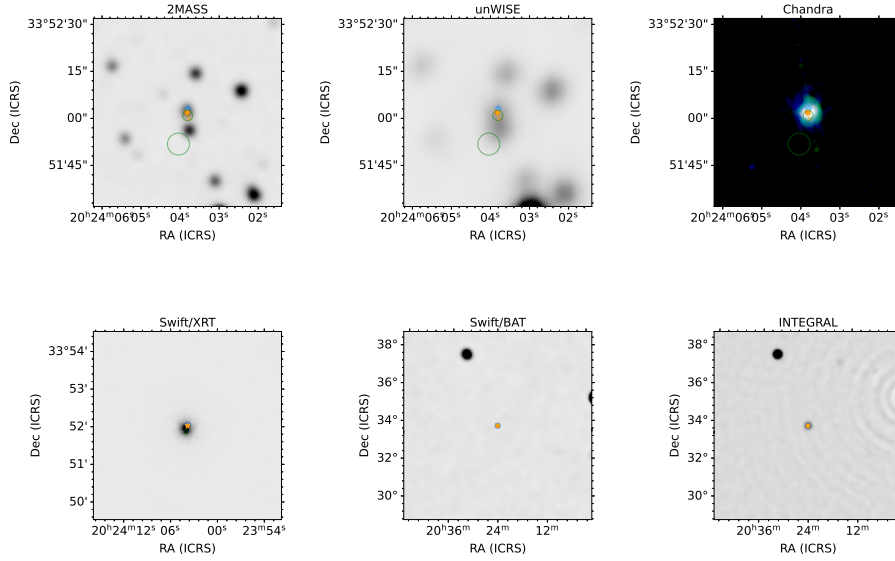
Alternative Name: V404 Cyg
X-ray Type: US, BH, XT, RP
Mean Distance [kpc]: 1.24
Distance Range [kpc]: 1.19 – 1.29
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.87

Compact Object

Orbital Period [d]: 6.4750000000000005
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.3 - 9.58
soft X-ray variability: 31.59

Optical Counterpart

Gaia DR3 Name: 2056188624872569088
Spectral Type: G9/K0III/V
 Casares et al. (1993)
G [mag]: 17.216(0.009)
J [mag]: 13.575(0.025)
H [mag]: 12.684(0.027)
K [mag]: 12.321(0.026)
W1 [mag]: 11.51(0.05)
W2 [mag]: 11.45(0.05)



Swift J2037.2+4151

Coordinates

RA: 20^h37^m00^s.6
DEC: +41°50′05″.186
Position-uncertainty [arcsec] : 1.131×10^{-1}
Galactic-longitude [deg]: 81.07
Galactic-latitude [deg]: 0.52
Coordinate-Reference: Cutri et al. (2003)

Binary System

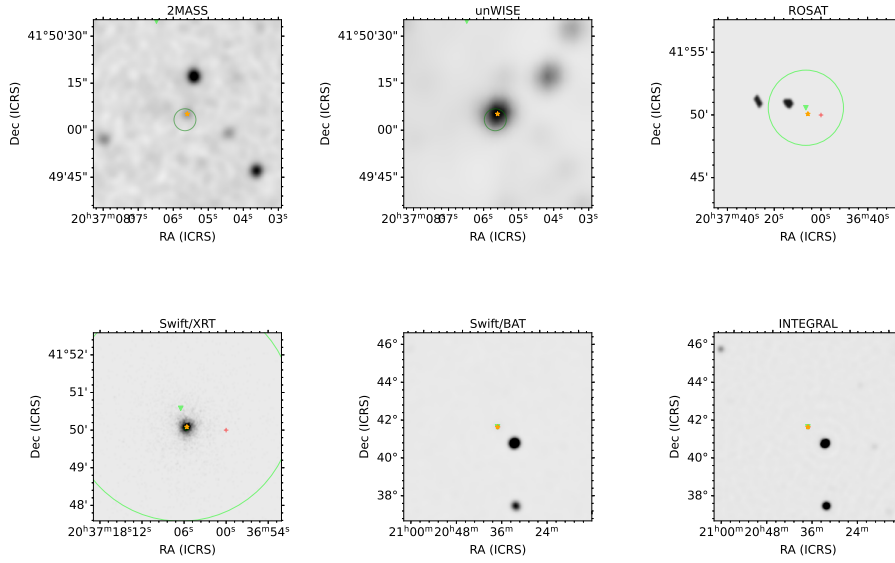
Alternative Name:
X-ray Type: XT
Hydrogen Column density [10^{21}cm^{-2}]: 3.0

Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 21.73 - 136.1
soft X-ray variability: 6.26
hard-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 6.29
hard X-ray variability: 1.0

Optical Counterpart

Gaia DR3 Name:
J [mag]: 16.17(0.09)
H [mag]: 13.456(0.033)
K [mag]: 12.128(0.021)
W1 [mag]: 11.033(0.011)
W2 [mag]: 10.734(0.008)



XTE J2123-058*Coordinates*

RA: 21^h23^m14^s.539
DEC: −05°47′53″.261
Position-uncertainty [arcsec]: 1.034×10^0
Galactic-longitude [deg]: 46.48
Galactic-latitude [deg]: −36.2
Coordinate-Reference: Evans et al. (2010)

Binary System

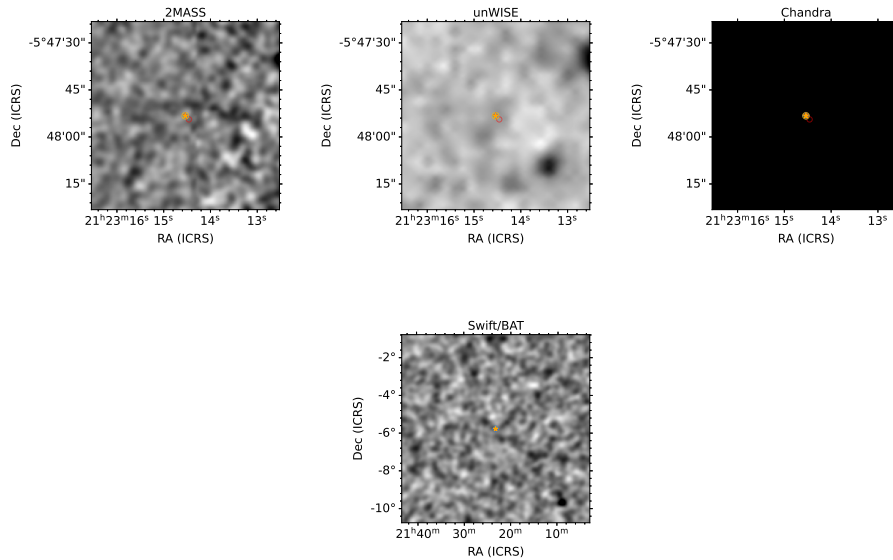
Alternative Name: J2123-0547
X-ray Type: XT, XB, AS, EB
Mean Distance [kpc]: 8.5
Distance Range [kpc]: 6.0 – 11.0
Distance-Reference: Tomsick et al. (2004)
Hydrogen Column density [10^{21}cm^{-2}]: 0.07

Compact Object

Orbital Period [d]: 0.24833333333333332
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 6400.0
soft X-ray variability: 1060772.42

Optical Counterpart

Gaia DR3 Name:
Spectral Type: K7-8/5
 Ritter & Kolb (2003)
V [mag]: 16.799999237060547



CXOU J212958.1+121002

Coordinates

RA: 21^h29^m058^s.06
DEC: +12°10'0002''6
Position-uncertainty [arcsec]: 1.000×10^{-1}
Galactic-longitude [deg]: 65.01
Galactic-latitude [deg]: -27.31
Coordinate-Reference: Dieball et al. (2005)

Binary System

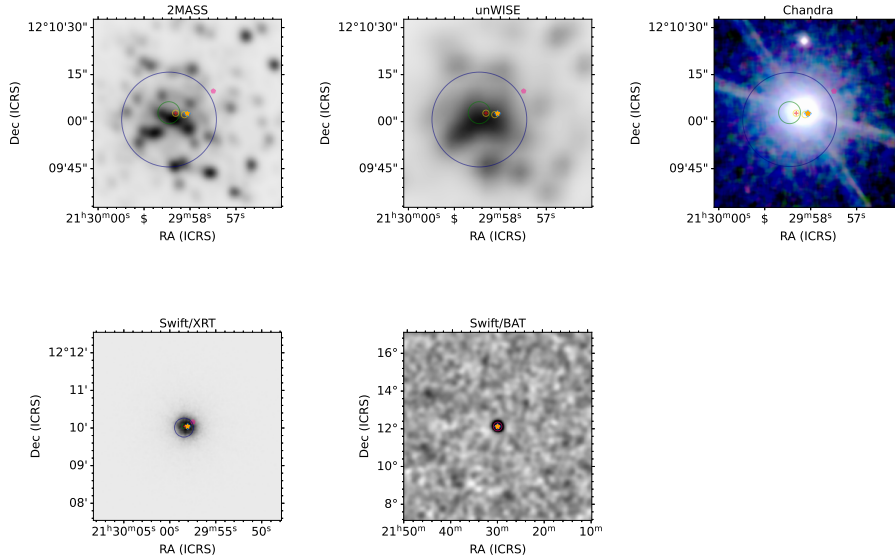
Alternative Name: M15 X-2
X-ray Type: GC, XB
Mean Distance [kpc]: 10.4
Distance-Reference: Harris (1996)
Hydrogen Column density [10^{21}cm^{-2}]: 0.06

Compact Object

Orbital Period [d]: 0.015666666666666666
Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name:
Spectral Type: WD?
Dieball et al. (2005)
V [mag]: 16.6



[WA2001] M 15 X-3

Coordinates

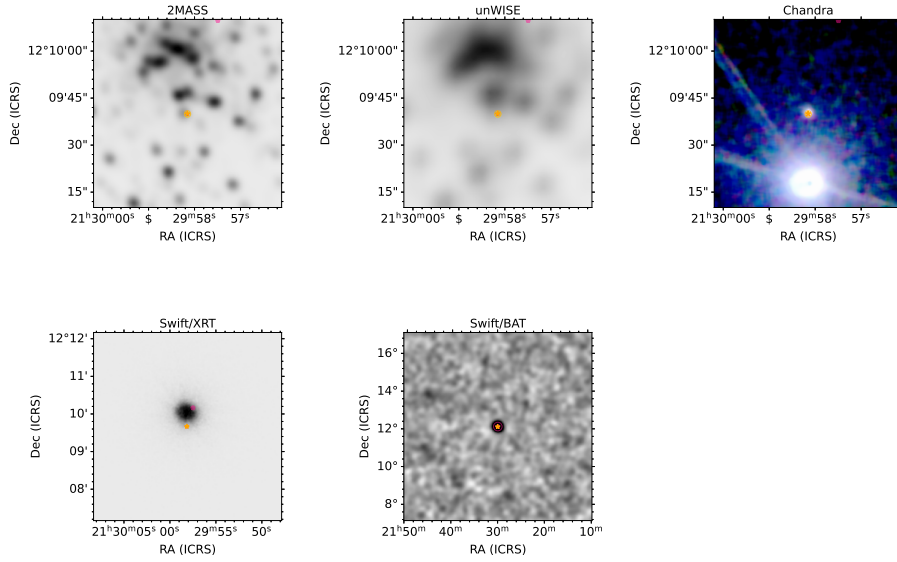
RA: $21^{\text{h}}29^{\text{m}}58^{\text{s}}.155$
DEC: $+12^{\circ}09'040''.04$
Position-uncertainty [arcsec]: 1.004×10^0
Galactic-longitude [deg]: 65.01
Galactic-latitude [deg]: -27.32
Coordinate-Reference: Evans et al. (2010)

Binary System

Alternative Name:
X-ray Type: GC, XT?
Mean Distance [kpc]: 10.4
Distance-Reference: Harris (1996)
Hydrogen Column density [10^{21}cm^{-2}]: 0.06

Optical Counterpart

Gaia DR3 Name:



3U 2131+11

Coordinates

RA: 21^h29^m58^s.312
DEC: +12°10′002″.67
Position-uncertainty [arcsec] : 2.004×10^{-1}
Galactic-longitude [deg]: 65.01
Galactic-latitude [deg]: -27.31
Coordinate-Reference: Kirsten et al. (2014)

Binary System

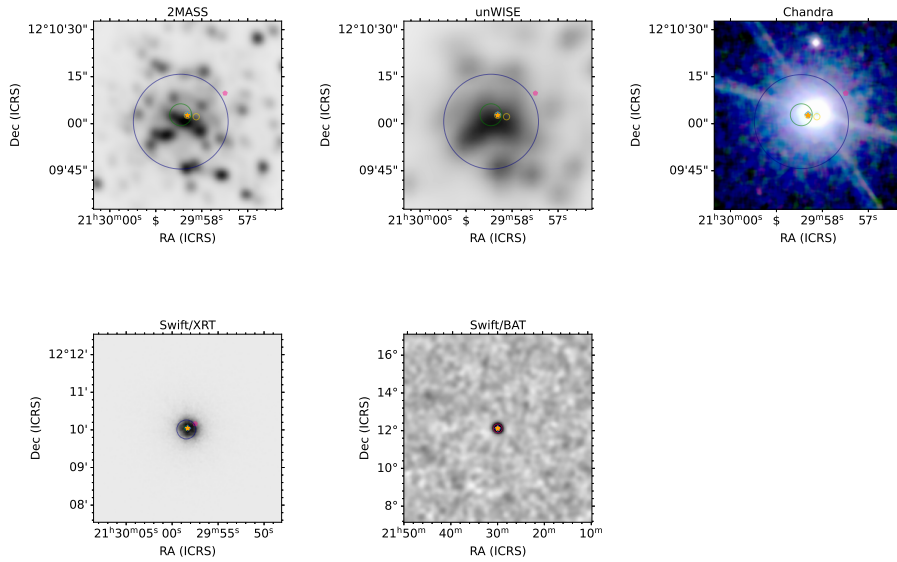
Alternative Name: AC 211
X-ray Type: DC, XB?, RP?, EB, DS, GC
Mean Distance [kpc]: 10.4
Distance-Reference: Harris (1996)
Hydrogen Column density [10^{21}cm^{-2}]: 0.04

Compact Object

Orbital Period [d]: 0.7125
Liu et al. (2007)

Optical Counterpart

Gaia DR3 Name:
V [mag]: 15.800000190734863



4U 2129+47*Coordinates*

RA: 21^h31^m026^s.21
DEC: +47°17'24".444
Position-uncertainty [arcsec] : 8.956×10^{-5}
Galactic-longitude [deg]: 91.58
Galactic-latitude [deg]: -3.04
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

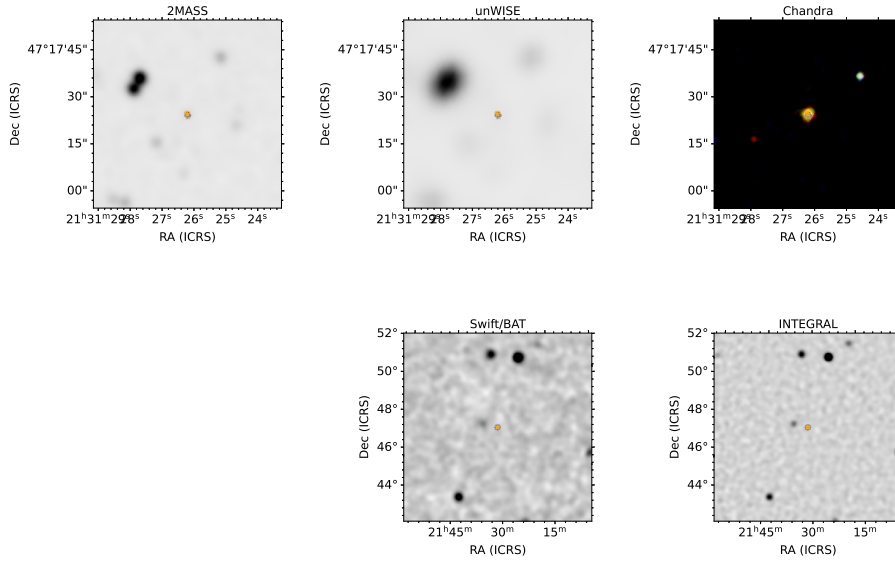
Alternative Name: V1727 Cyg
X-ray Type: EB, DC, XB, XT
Mean Distance [kpc]: 1.12
Distance Range [kpc]: 1.08 – 1.17
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.17

Compact Object

Orbital Period [d]: 0.21833333333333335
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.08 - 0.12
soft X-ray variability: 1.5

Optical Counterpart

Gaia DR3 Name: 1978241050130301312
Spectral Type: F7/5
 Ritter & Kolb (2003)
G [mag]: 17.5802(0.0029)
V [mag]: 16.399999618530273
J [mag]: 15.83(0.08)
H [mag]: 15.45(0.14)
K [mag]: 14.873000(0)
W1 [mag]: 15.058(0.026)
W2 [mag]: 15.36(0.06)



CXOGlb J214022.1-231045

Coordinates

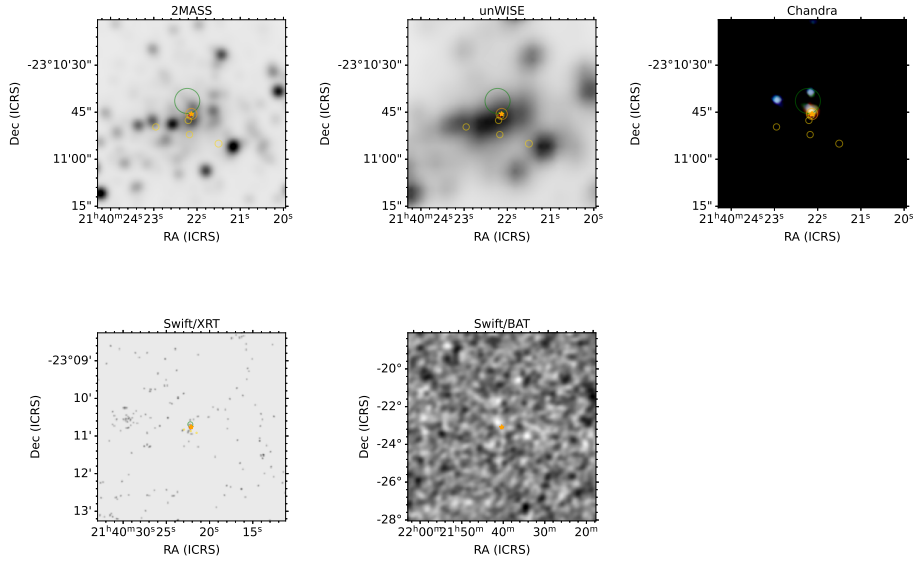
RA: $21^{\text{h}}40^{\text{m}}022^{\text{s}}.13$
DEC: $-23^{\circ}10'045''.57$
Position-uncertainty [arcsec]: 1.800×10^0
Galactic-longitude [deg]: 27.18
Galactic-latitude [deg]: -46.84
Coordinate-Reference: Lugger et al. (2007)

Binary System

Alternative Name: M30 A1
X-ray Type: QNS?, XT?, GC
Mean Distance [kpc]: 8.2
Hydrogen Column density [10^{21}cm^{-2}]: 0.03

Optical Counterpart

Gaia DR3 Name:
V [mag]: 20.0



X Cyg X-2

Coordinates

RA: $21^{\text{h}}44^{\text{m}}41^{\text{s}}.152$
DEC: $+38^{\circ}19'17''.061$
Position-uncertainty [arcsec]: 1.829×10^{-5}
Galactic-longitude [deg]: 87.33
Galactic-latitude [deg]: -11.32
Coordinate-Reference: Gaia Collaboration (2022)

Binary System

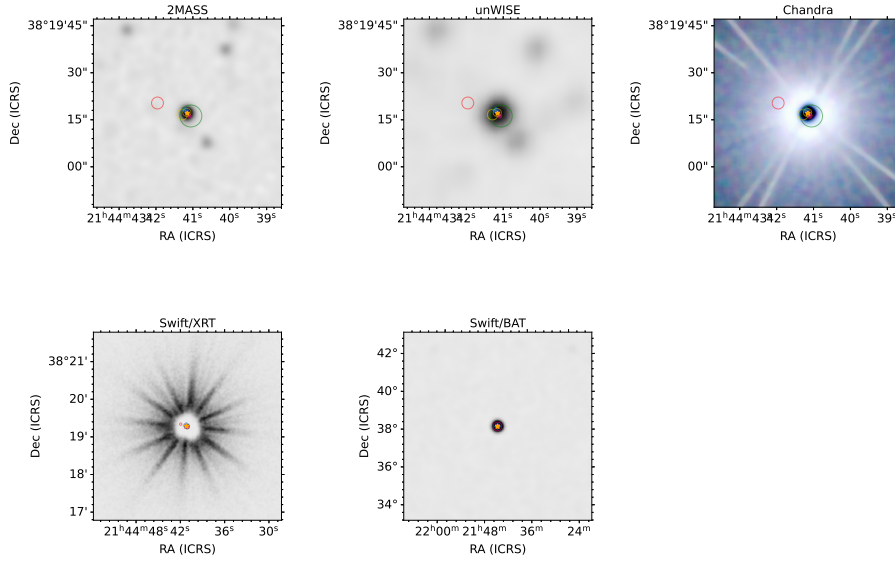
Alternative Name: Cyg X-2
X-ray Type: ZS, XB, RP
Mean Distance [kpc]: 3.99
Distance Range [kpc]: 3.72 – 4.15
Distance-Reference: Gaia Collaboration (2022)
Hydrogen Column density [10^{21}cm^{-2}]: 0.39

Compact Object

Orbital Period [d]: 9.841666666666667
 Liu et al. (2007)
soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 4459.37 - 16910.0
soft X-ray variability: 3.79

Optical Counterpart

Gaia DR3 Name: 1952859683185470208
Spectral Type: A9III
 Casares et al. (1998)
G [mag]: 14.702(0.007)
V [mag]: 14.68(0.19)
J [mag]: 13.396(0.031)
H [mag]: 13.155(0.035)
K [mag]: 13.049(0.034)
W1 [mag]: 13.050(0.013)
W2 [mag]: 12.902(0.011)



SAX J2224.9+5421

Coordinates

RA: 22^h24^m04^s.65
DEC: +54°23′00″.1
Position-uncertainty [arcsec] : 2.300×10^0
Galactic-longitude [deg]: 102.57
Galactic-latitude [deg]: -2.58
Coordinate-Reference: Degenaar et al. (2014a)

Binary System

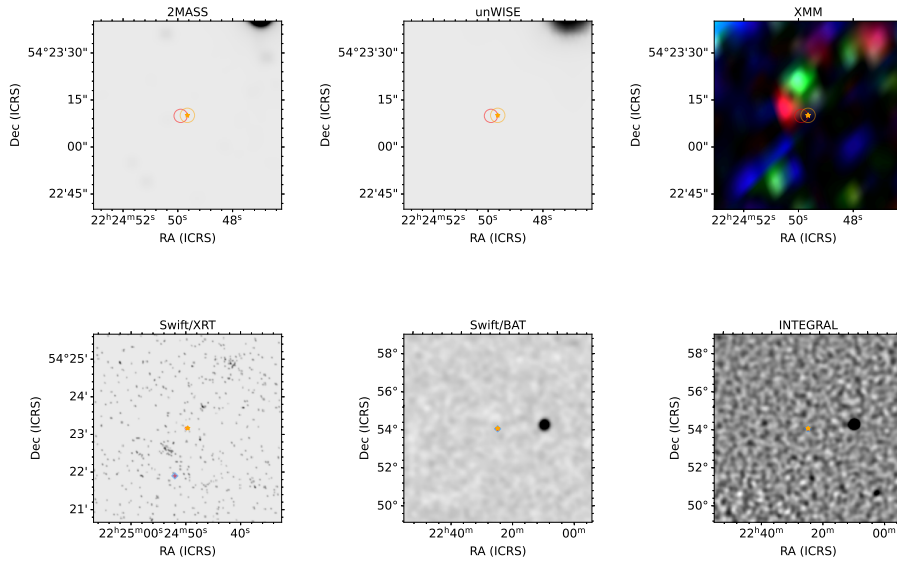
Alternative Name:
X-ray Type: XT, XB
Distance-Reference: Degenaar et al. (2014a)
Hydrogen Column density [10^{21}cm^{-2}]: 0.46

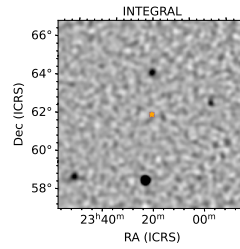
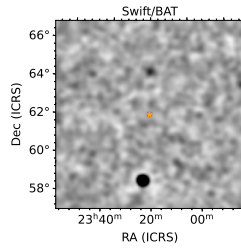
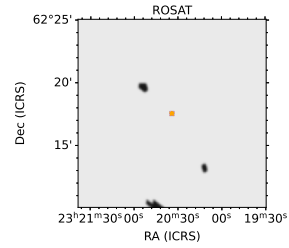
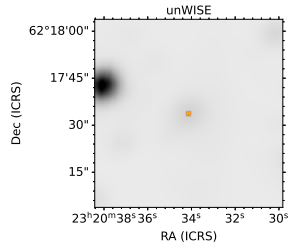
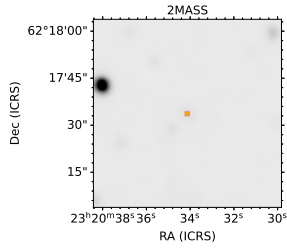
Compact Object

soft-band flux [$10^{-12} \text{erg/cm}^2/\text{s}$]: 0.01 - 0.06
soft X-ray variability: 10.0

Optical Counterpart

Gaia DR3 Name:



4U 2316+61*Coordinates***RA:** 23^h20^m34^s.131**DEC:** +62°17'33".741**Position-uncertainty** [arcsec] : 1.701×10^{-2} **Galactic-longitude** [deg]: 112.59**Galactic-latitude** [deg]: 1.26**Coordinate-Reference:** Gaia Collaboration (2022)*Binary System***Alternative Name:****Hydrogen Column density** [10^{21}cm^{-2}]: 0.74*Compact Object***soft-band flux** [$10^{-12} \text{erg/cm}^2/\text{s}$]: 5.56 - 45.5**soft X-ray variability:** 8.18*Optical Counterpart***Gaia DR3 Name:** 2015056268530556672**G** [mag]: 21.74(0.04)**J** [mag]: 15.12(0.07)**H** [mag]: 14.12(0.07)**K** [mag]: 13.65(0.07)**W1** [mag]: 12.647(0.025)**W2** [mag]: 12.592(0.026)

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