NASA/IPAC EXTRAGALACTIC DATABASE

Date and Time of the Query: 2014-03-20 T10:59:13 PDT

Help | Comment | NED Home

You have selected the following parameters to search on:

Redshift: Between 0.016400 and 0.029800
Include ANY Object Type:
Exclude ANY Object Type:
Parameters for Distances and Cosmology: H_0= 73.0; Ω_{matter} = 0.27; Ω_{vacuum} = 0.73;
Derived Quantities use a Redshift corrected to a Reference Frame defined by the 3K CMB

NED results within 10.000 arcmin of 13h03m45.98000s, +26d33m14.1600s (Equatorial: J2000.0)

3 objects found in NED.

SOURCE LIST

Object list is sorted on Distance to search center

Row No.	Object Name (* => Essential Note)	EquJ2000.0 RA	DEC	Object Type	Velocity/Redshift km/s	z	Qual	Mag./ Filter	Separ. arcmin	Number of Refs	Notes	Phot	Posn	Vel/z	Diam As
1	UGC 08161	13h03m29.1s	+26d33m02s	G	6676	0.022269		14.9g	3.784	86	2	71	6	9	11
2	SDSS J130416.98+262831.3	13h04m17.0s	+26d28m31s	G	7513	0.025062		18.25	8.385	3	0	21	2	0	4
3	KUG 1300+267	13h03m05.9s	+26d31m52s	G	5771	0.019250		15.7	9.059	21	0	33	6	3	6

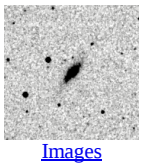
Detailed information for each object

Object No. 1 - UGC 08161

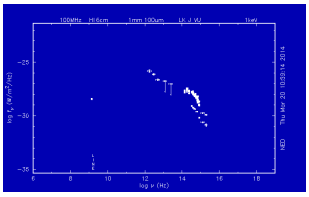
INDEX for UGC 08161

Essential Data (jump to sub-section of this query report):

Detailed Data (NED queries):



Images



71 Photometric data point(s) and SED

ESSENTIAL NOTE for UGC 08161 (Back to INDEX)

N/A

CROSS-IDENTIFICATIONS for UGC 08161 (Back to INDEX)

Object Names	Type	Object Names	Type
UGC 08161	G	ASK 580528.0	G
CGCG 160-121	G	MAPS-NGP O_323_1335050	G
CGCG 1301.0+2649	G	NGP9 F323-1343838	G
MCG +05-31-116	G	PGC 045097	G
2MASX J13032899+2633024	IrS	UZC J130329.1+263302	G
2MASXi J1303290+263303	IrS	NVSS J130329+263303	RadioS
SDSS J130329.08+263301.8	G	[DFO95] 322	G
GALEXASC J130329.23+263300.5	UvS	[MO2001] J130329.2+263300.0	RadioS

IRAS F13010+2649	IrS	[SLK2004] 0770	IrS
ISOSS J13034+2633	IrS		

COORDINATES for UGC 08161 (Back to INDEX)

Position Reference:2007SDSS6.C...0000:

Reference Frame	Longitude (degrees)	Latitude (degrees)	RA	DEC	Uncertainty Ellipse (arcsec) Semimajor	Semiminor	PA(deg)
Equatorial (B1950.0)	195.268064	26.818652	13h01m04.335s	+26d49m07.15s	5.00E-01	5.00E-01	0
Equatorial (J2000.0)	195.871182	26.550506	13h03m29.084s	+26d33m01.82s	5.00E-01	5.00E-01	0
Ecliptic (B1950.0)	182.400810	30.492438			5.00E-01	5.00E-01	0
Ecliptic (J2000.0)	183.103145	30.491618			5.00E-01	5.00E-01	0
Galactic	21.480237	87.251406			5.00E-01	5.00E-01	0
SuperGalactic	91.214041	8.791152			5.00E-01	5.00E-01	0

Additional detailed measurements with references are also available by clicking below:
6 Position data point(s)

REDSHIFT-INDEPENDENT DISTANCES for UGC 08161 (Back to INDEX)

13 Distances found in NED View 13 Individual Distance Measurement(s) for UGC 08161

Summary Statistics computed by NED from 13 Distance(s) in the literature:
NOTE: These summary statistics are provided for "quick-look" reference only;
they are based exclusively on original values, *as published*.
No homogenization or corrections have been applied.

UGC 08161	Distance Modulus (mag)	Metric Distance (Mpc)
Mean	34.85	94.015
Std. Dev.	0.23	10.100
Min.	34.41	76.200
Max.	35.20	110.000
Median	34.80	91.400

CLASSIFICATIONS (TYPES, ATTRIBUTES) for UGC 08161 (Back to INDEX)

Type	As Published	NED Homogenized	Flag	Reference Code
Hierarchy	GR	Group member, radial-velocity confirmed	...	2004AJ....127.3273V
Kinematics	HI line width	HI line width	...	1997AJ....113.1197H
Galaxy Morphology	S?	S?	...	1991RC3.9.C...0000d
Distance Indicator	Tully-Fisher	Tully-Fisher	...	1997ApJS..109..333W

22 Detailed Classification(s)

FOREGROUND GALACTIC EXTINCTION for UGC 08161 (Back to INDEX)

NEW Galactic Extinction from the Schlafly & Finkbeiner 2011, Appendix; 2011ApJ...737..103S (SF11) recalibration
of the Schlegel, Finkbeiner & Davis 1998, Appendix B; 1998ApJ...500..525S (SFD98) infrared-based dust map.
The map is based on dust emission from COBE/DIRBE and IRAS/ISSA;
the recalibration assumes a Fitzpatrick (1999PASP..111...63F) reddening law with R_V = 3.1 and different source spectrum than SFD98.

	Landolt					SDSS					UKIRT			
Filter [μm]	U (0.35)	B (0.43)	V (0.54)	R (0.64)	I (0.80)	u (0.36)	g (0.47)	r (0.62)	i (0.75)	z (0.89)	J (1.25)	H (1.66)	K (2.19)	L' (3.78)
A_λ [mag]	0.055	0.046	0.035	0.027	0.019	0.053	0.042	0.029	0.021	0.016	0.009	0.006	0.004	0.002

Show/Hide A_λ magnitudes in all 88 photometric bands based on SF11

For completeness, we include the original SFD98 values:

	Landolt					SDSS					UKIRT			
Filter [μm]	U (0.34)	B (0.44)	V (0.54)	R (0.65)	I (0.81)	u (0.35)	g (0.49)	r (0.63)	i (0.78)	z (0.93)	J (1.27)	H (1.67)	K (2.22)	L' (3.81)
A_λ [mag]	0.069	0.055	0.042	0.034	0.025	0.066	0.048	0.035	0.027	0.019	0.011	0.007	0.005	0.002

Galactic Extinction based on H I Column Densities and Galaxy Counts
(Burstein & Heiles; 1982AJ.....87.1165B) assuming R_V = 3.1:
A_B = 0.000 mag

See Notes on Galactic Extinction for important caveats.

BASIC DATA for UGC 08161 (Back to INDEX)

```
Helio. Radial Velocity     :      6676 +/-        2 km/s
Redshift                   :  0.022269 +/- 0.000007        1997AJ....113.1197H
Major Diameter (arcmin)    :  1.13
Minor Diameter (arcmin)    :  0.45
Magnitude and Filter       : 14.9g
Classifications            : Sb             HII
```

NOTE: This information is indicative only. With the exception of the redshift they are unreferenced and highly inhomogeneous as to their origin. The Radial Velocity (when available) is computed from the listed redshift. The remaining values are designed to orient the user with a quick-look, overall assessment of the general properties of the object in question. They are not averages nor are they standardized in any way.

Additional detailed measurements with references are also available by clicking below:
9 Redshift data point(s) 71 photometric data point(s) 11 Diameter data point(s)

QUANTITIES DERIVED FROM REDSHIFT for UGC 08161 (Details)(Back to INDEX)

Calculated and Corrected Velocities

```
V (Heliocentric)           :    6676 +/-      2 km/s      1997AJ....113.1197H
V (Kinematic LSR)          :    6685 +/-      2 km/s      1986MNRAS.221.1023K
V (Galactocentric GSR)     :    6687 +/-      2 km/s      1991RC3.9.C...0000d
V (Local Group)            :    6659 +/-      2 km/s      1996AJ....111..794K
V (3K CMB)                 :    6947 +/-     19 km/s      1996ApJ...473..576F
V (Virgo Infall only)      :    6884 +/-     16 km/s      2000ApJ...529..786M
V (Virgo + GA only)        :    7219 +/-     28 km/s      2000ApJ...529..786M
V (Virgo + GA + Shapley)   :    7264 +/-     29 km/s      2000ApJ...529..786M
```

Hubble Flow Distance and Distance Modulus (where H_o = 73.0 +/- 5 km/sec/Mpc)

```
D (Galactocentric GSR)     :    91.6 +/-    6.4 Mpc      (m-M) = 34.81 +/- 0.15 mag
D (Local Group)            :    91.2 +/-    6.4 Mpc      (m-M) = 34.80 +/- 0.15 mag
D (3K CMB)                 :    95.2 +/-    6.7 Mpc      (m-M) = 34.89 +/- 0.15 mag
D (Virgo Infall only)      :    94.3 +/-    6.6 Mpc      (m-M) = 34.87 +/- 0.15 mag
D (Virgo + GA only)        :    98.9 +/-    6.9 Mpc      (m-M) = 34.98 +/- 0.15 mag
D (Virgo + GA + Shapley)   :    99.5 +/-    7.0 Mpc      (m-M) = 34.99 +/- 0.15 mag
```

Scale at Hubble Flow Distances

```
Scale (Galactocentric GSR) :     444 pc/arcsec =  0.444 kpc/arcsec =  26.65 kpc/arcmin =   1.60 Mpc/degree
Scale (Local Group)        :     442 pc/arcsec =  0.442 kpc/arcsec =  26.53 kpc/arcmin =   1.59 Mpc/degree
Scale (3K CMB)             :     461 pc/arcsec =  0.461 kpc/arcsec =  27.68 kpc/arcmin =   1.66 Mpc/degree
Scale (Virgo Infall only)  :     457 pc/arcsec =  0.457 kpc/arcsec =  27.43 kpc/arcmin =   1.65 Mpc/degree
Scale (Virgo + GA only)    :     479 pc/arcsec =  0.479 kpc/arcsec =  28.76 kpc/arcmin =   1.73 Mpc/degree
Scale(Virgo + GA + Shapley):     482 pc/arcsec =  0.482 kpc/arcsec =  28.94 kpc/arcmin =   1.74 Mpc/degree
```

To Search for Nearby Objects (Physical Companions): Enter Your Preferred Values and click on "Submit Environment Search" button

Search for Objects within +/- [26] **arcmin where 100 kpc = 3.455 arcmin** [Default Value is +/- 750 kpc]

and Selected Redshift, defined by the Velocity Range: from [6176] **to** [7176] **km/sec where**

V(Heliocentric) = 6676 km/sec [Default Value is +/- 500 km/sec] [Submit Environment Search]

Cosmology-Corrected Quantities [H_o = 73.00 km/sec/Mpc, Ω_{matter} = 0.27, Ω_{vacuum} = 0.73]
[Redshift 0.023173 as corrected to the Reference Frame defined by the 3K Microwave Background Radiation]

```
Luminosity Distance        : 96.9 Mpc      (m-M) = 34.93 mag
Angular-Size Distance      : 92.6 Mpc      (m-M) = 34.83 mag
Co-Moving Radial Distance  : 94.7 Mpc      (m-M) = 34.88 mag
Co-Moving Tangential Dist. : 94.7 Mpc      (m-M) = 34.88 mag
Co-Moving Volume           : 0.00356 Gpc^3
Light Travel-Time          :   0.305 Gyr
Age at Redshift 0.023173   :  12.993 Gyr
Age of Universe            :  13.299 Gyr
Scale (Cosmology Corrected):     449 pc/arcsec =  0.449 kpc/arcsec =  26.93 kpc/arcmin =   1.62 Mpc/degree
Surface Brightness Dimming : Flux Density per Unit Area =  0.91244; Magnitude per Unit Area = 0.09949 mag
```

To change Cosmological Input Parameters for Derived Quantities: Enter Your Preferred Values and

click on "Submit Changed Hubble Parameters for this object" button
H_o 73.0 Ω_{matter} 0.27 Ω_{vacuum} 0.73 NED Default/WMAP (Three-Year) WMAP (Five-Year) Parameters
Correct Redshift To the Reference Frame defined by: 3K CMB as Input for Calculation of the Distances and Cosmology-Corrected Quantities Submit Changed Hubble Parameters for this object

QUICK-LOOK PHOTOMETRY and LUMINOSITIES for UGC 08161 **(Back to INDEX)**

The brightest flux in each of the following spectral regions, when available:
Gamma-Ray (ν > 2E19 Hz); X-Ray (2E19 Hz > ν > 2E16 Hz); Ultraviolet (2E16 Hz > ν > 9E14 Hz); Visual (9E14 Hz > ν > 3E14 Hz);
Near-Infrared (3E14 Hz > ν > 6E13 Hz); Mid-Infrared (6E13 Hz > ν > 7.5E12 Hz); Far-Infrared (7.5E12 Hz > ν > 1E12 Hz);
Sub-Millimeter (1E12 Hz > ν > 3E11 Hz); Millimeter (3E11 Hz > ν > 3E10 Hz); Radio (3E10 Hz > ν).

Spectral Region	Band	Apparent Mag or Flux	Refcode	Absolute Mag or νL_ν [W]	νL_ν [$L_\odot$(Bolometric)]
Ultraviolet	NUV (GALEX) AB	18.2565 +/- 0.0583972 mag	2012GASC..C...0000S	-16.59 +/- 0.16 [mag]	6.42E+08 +/- 5.15E+07
Visual	I	12.84 mag	2007ApJS..172..599S	-22.01 [mag]	1.94E+10
Near-Infrared	H^0^_T(25)_	11.16 +/- 0.15 mag	1996ApL&C..35....1G	-23.69 +/- 0.21 [mag]	1.91E+10 +/- 3.05E+09
Mid-Infrared	IRAS 12 microns	<9.509E-02 Jy	1990IRASF.C...0000M	< 2.51E+36 [W]	< 6.54E+09
Far-Infrared	170 microns (ISO)	1.51 +/- 30 % Jy	2004A&A...422...39S	2.81E+36 +/- 8.60E+35 [W]	7.31E+09 +/- 2.24E+09
Radio	1.4GHz	3.9 +/- 0.5 milliJy	1998AJ....115.1693C	5.77E+30 +/- 8.16E+29 [W]	1.50E+04 +/- 2.12E+03

NOTE: The above quantities are derived using an estimated Distance Modulus of (34.85 +/- 0.23) mag corresponding to a Metric Distance of (94.015 +/- 10.100) Mpc using the Average NED-D value.
The quantities quoted above have not necessarily been corrected for foreground extinction, and no K-Corrections have been applied.

View details and SED for 71 Photometric data point(s) available in NED.

NEW **QUICK-LOOK ANGULAR & PHYSICAL DIAMETERS for UGC 08161** **(Back to INDEX)**

The largest diameters in the Visual and Near-Infrared spectral regions, when available:

Passband	Apparent Major Axis (2a) [arcsec]	Apparent Minor Axis (2b) [arcsec]	PA [degrees] (J2000.0)	Reference Level	Refcode	Physical Major Axis (2a) [kpc]	Physical Minor Axis (2b) [kpc]
r (SDSS Isophotal)	77.62	31.05	142	25.0 mag arcsec^-2^	2007SDSS6.C...0000:	35.38	14.15
K_s (2MASS "total")	59.40	39.20	135	Diameter for "total" magnitude 20032MASX.C.....:	20032MASX.C.....:	27.07	17.87

NOTE: Physical diameters are derived using a scale of 0.4558 kpc/arcsec based on Average NED-D Metric Distance of (94.015 +/- 10.100) Mpc.
The quantities quoted above have not necessarily been corrected for foreground extinction.

View details for 11 Diameter data point(s) available in NED.

EXTERNAL ARCHIVES AND SERVICES for UGC 08161 **Help** (Back to INDEX)

Data Related Directly to Object Names	Site/Service
Query SIMBAD by primary NED object name -- UGC 08161	SIMBAD (CDS, Strasbourg, France)
Uppsala General Catalog -- UGC 08161	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
Original Zwicky Catalog -- CGCG 160-121	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
Query UZC Spectral Archive (60 arcsec search radius)	Updated Zwicky Catalog Data (Harvard/SAO)
Morphological Catalog of Galaxies -- MCG +05-31-116	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
2MASS Extended Source Images (JHKs) -- 2MASX J13032899+2633024	NASA/IPAC Infrared Science Archive (IRSA)
2MASS Extended Source Images (JHKs) -- 2MASXi J1303290+263303	NASA/IPAC Infrared Science Archive (IRSA)
Query SDSS Sky Server -- SDSS J130329.08+263301.8	SDSS Sky Server
IRAS Faint Source Catalog -- IRAS F13010+2649	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
Catalogue of Principal Galaxies -- PGC 045097	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
Retrieve mean data from LEDA -- PGC 045097	The Lyon/Meudon Extragalactic Database (LEDA)
Retrieve catalog data for NVSS J130329+263303	NRAO/VLA Sky Survey (NVSS)
Query GALEX (NUV/FUV) Mission Archive (6' search radius) -- UGC 08161	GALEX Mission Data Archive at MAST
Explore IRSA resources with RADAR (10"search radius) -- UGC 08161	NASA/IPAC Infrared Science Archive (IRSA)

General Archive Resources -- All queries centered at 13h03m29.1s, +26d33m02s (J2000)	Site/Service
Query Optical and UV Mission Archives (Default search radius)	Multimission Archive at STScI (MAST)
Query High Energy Mission Archives (Default search radius)	HEASARC (NASA/GSFC)
Explore resources with DataScope (15' search radius)	HEASARC (NASA/GSFC)
Query SDSS Sky Server -- UGC 08161	SDSS Sky Server
Query IRSA for WISE images (10' search radius)	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve 2MASS Atlas Images Band(s): Ks Size: 2'	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve IRAS ISSA Images Band(s): 60um Size: 30'	NASA/IPAC Infrared Science Archive (IRSA)
1-D Coadd of IRAS Scans (ADDSCAN/SCANPI)	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve NVSS Image Size: 15' Contours (PS) JPEG FITS File	NRAO/VLA Sky Survey (NVSS)
Retrieve FIRST Image Size: 15' GIF FITS File	Faint Images of the Radio Sky at Twenty-Centimeters
NRAO Archive 1 arcminute search radius (EVLA, VLA and VLBA)	The NRAO Data Archive System

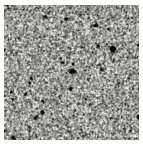
Back to the list

Object No. 2 - SDSS J130416.98+262831.3

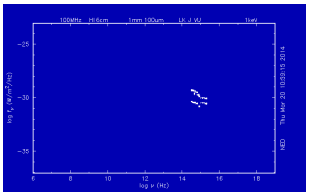
INDEX for SDSS J130416.98+262831.3

Essential Data (jump to sub-section of this query report):

Detailed Data (NED queries):



Images



21 Photometric data point(s) and SED

Spectra
Redshift-Independent Distances
3 Reference(s)
2 Position data point(s)
4 Diameter data point(s)

ESSENTIAL NOTE for SDSS J130416.98+262831.3 (Back to INDEX)

N/A

CROSS-IDENTIFICATIONS for SDSS J130416.98+262831.3 (Back to INDEX)

Object Names	Type	Object Names	Type
SDSS J130416.98+262831.3	G	ASK 580517.0	G
GALEXASC J130416.97+262831.5	UvS	MAPS-NGP O_323_1391043	G
NGP9 F323-1399831	G		

COORDINATES for SDSS J130416.98+262831.3 (Back to INDEX)

Position Reference:2007SDSS6.C...0000:

Reference Frame	Longitude (degrees)	Latitude (degrees)	RA	DEC	Uncertainty Ellipse (arcsec) Semimajor	Semiminor	PA(deg)
Equatorial (B1950.0)	195.467994	26.743270	13h01m52.318s	+26d44m35.77s	5.00E-01	5.00E-01	0
Equatorial (J2000.0)	196.070767	26.475387	13h04m16.984s	+26d28m31.39s	5.00E-01	5.00E-01	0
Ecliptic (B1950.0)	182.625241	30.504413			5.00E-01	5.00E-01	0
Ecliptic (J2000.0)	183.327576	30.503568			5.00E-01	5.00E-01	0
Galactic	20.827043	87.060383			5.00E-01	5.00E-01	0
SuperGalactic	91.329342	8.947871			5.00E-01	5.00E-01	0

Additional detailed measurements with references are also available by clicking below:

2 Position data point(s)

REDSHIFT-INDEPENDENT DISTANCES for SDSS J130416.98+262831.3 (Back to INDEX)

N/A

CLASSIFICATIONS (TYPES, ATTRIBUTES) for SDSS J130416.98+262831.3 (Back to INDEX)

N/A

FOREGROUND GALACTIC EXTINCTION for SDSS J130416.98+262831.3 (Back to INDEX)

NEW Galactic Extinction from the Schlafly & Finkbeiner 2011, Appendix; 2011ApJ...737..103S (SF11) recalibration of the Schlegel, Finkbeiner & Davis 1998, Appendix B; 1998ApJ...500..525S (SFD98) infrared-based dust map.
The map is based on dust emission from COBE/DIRBE and IRAS/ISSA;
the recalibration assumes a Fitzpatrick (1999PASP..111...63F) reddening law with R_V = 3.1 and different source spectrum than SFD98.

	Landolt					SDSS					UKIRT			
Filter [μm]	U (0.35)	B (0.43)	V (0.54)	R (0.64)	I (0.80)	u (0.36)	g (0.47)	r (0.62)	i (0.75)	z (0.89)	J (1.25)	H (1.66)	K (2.19)	L' (3.78)
A_λ [mag]	0.047	0.040	0.030	0.024	0.016	0.046	0.036	0.025	0.019	0.014	0.008	0.005	0.003	0.002

Show/Hide A_λ magnitudes in all 88 photometric bands based on SF11

For completeness, we include the original SFD98 values:

	Landolt					SDSS					UKIRT			
Filter [μm]	U (0.34)	B (0.44)	V (0.54)	R (0.65)	I (0.81)	u (0.35)	g (0.49)	r (0.63)	i (0.78)	z (0.93)	J (1.27)	H (1.67)	K (2.22)	L' (3.81)
A_λ [mag]	0.059	0.046	0.036	0.029	0.021	0.056	0.041	0.030	0.022	0.016	0.010	0.006	0.004	0.002

Galactic Extinction based on H I Column Densities and Galaxy Counts
(Burstein & Heiles; 1982AJ.....87.1165B) assuming R_V = 3.1:
A_B = 0.000 mag

See Notes on Galactic Extinction for important caveats.

BASIC DATA for SDSS J130416.98+262831.3 (Back to INDEX)

```
Helio. Radial Velocity     :      7513 km/s
Redshift                   :  0.025062           2011ApJ...735..125S
Major Diameter (arcmin)    :  0.24
Minor Diameter (arcmin)    :  0.21
Magnitude and Filter       : 18.25
Classifications            :
```

NOTE: This information is indicative only. With the exception of the redshift they are unreferenced and highly inhomogeneous as to their origin. The Radial Velocity (when available) is computed from the listed redshift. The remaining values are designed to orient the user with a quick-look, overall assessment of the general properties of the object in question. They are not averages nor are they standardized in any way.

Additional detailed measurements with references are also available by clicking below:
21 photometric data point(s) 4 Diameter data point(s)

QUANTITIES DERIVED FROM REDSHIFT(Details)

Calculated and Corrected Velocities

V (Heliocentric)	: 7513 km/s		2011ApJ...735..125S
V (Kinematic LSR)	: 7522 km/s		1986MNRAS.221.1023K
V (Galactocentric GSR)	: 7525 +/- 0 km/s		1991RC3.9.C...0000d
V (Local Group)	: 7496 +/- 1 km/s		1996AJ....111..794K
V (3K CMB)	: 7784 +/- 19 km/s		1996ApJ...473..576F
V (Virgo Infall only)	: 7718 +/- 16 km/s		2000ApJ...529..786M
V (Virgo + GA only)	: 8043 +/- 28 km/s		2000ApJ...529..786M
V (Virgo + GA + Shapley)	: 8095 +/- 28 km/s		2000ApJ...529..786M

Hubble Flow Distance and Distance Modulus (where H_o = 73.0 +/- 5 km/sec/Mpc)

```
D (Galactocentric GSR)     :   103.1 +/-    7.2 Mpc      (m-M) = 35.07 +/- 0.15 mag
D (Local Group)            :   102.7 +/-    7.2 Mpc      (m-M) = 35.06 +/- 0.15 mag
D (3K CMB)                 :   106.6 +/-    7.5 Mpc      (m-M) = 35.14 +/- 0.15 mag
D (Virgo Infall only)      :   105.7 +/-    7.4 Mpc      (m-M) = 35.12 +/- 0.15 mag
D (Virgo + GA only)        :   110.2 +/-    7.7 Mpc      (m-M) = 35.21 +/- 0.15 mag
D (Virgo + GA + Shapley)   :   110.9 +/-    7.8 Mpc      (m-M) = 35.22 +/- 0.15 mag

Scale at Hubble Flow Distances
Scale (Galactocentric GSR) :     500 pc/arcsec =  0.500 kpc/arcsec =  29.99 kpc/arcmin =   1.80 Mpc/degree
Scale (Local Group)        :     498 pc/arcsec =  0.498 kpc/arcsec =  29.87 kpc/arcmin =   1.79 Mpc/degree
Scale (3K CMB)             :     517 pc/arcsec =  0.517 kpc/arcsec =  31.02 kpc/arcmin =   1.86 Mpc/degree
Scale (Virgo Infall only)  :     513 pc/arcsec =  0.513 kpc/arcsec =  30.75 kpc/arcmin =   1.85 Mpc/degree
Scale (Virgo + GA only)    :     534 pc/arcsec =  0.534 kpc/arcsec =  32.05 kpc/arcmin =   1.92 Mpc/degree
Scale(Virgo + GA + Shapley):     538 pc/arcsec =  0.538 kpc/arcsec =  32.26 kpc/arcmin =   1.94 Mpc/degree
```

To Search for Nearby Objects (Physical Companions): Enter Your Preferred Values and click on "Submit Environment Search" button

Search for Objects within +/- 23.2 **arcmin where 100 kpc = 3.100 arcmin** Default Value is +/- 750 kpc

and Selected Redshift, defined by the Velocity Range: from 7013.4 **to** 8013.4 **km/sec where**

V(Heliocentric) = 7513 km/sec Default Value is +/- 500 km/sec Submit Environment Search

Cosmology-Corrected Quantities [H_o = 73.00 km/sec/Mpc, Ω_{matter} = 0.27, Ω_{vacuum} = 0.73]
[Redshift 0.025965 as corrected to the Reference Frame defined by the 3K Microwave Background Radiation]

```
Luminosity Distance        : 109 Mpc      (m-M) = 35.18 mag
Angular-Size Distance      : 103 Mpc      (m-M) = 35.07 mag
Co-Moving Radial Distance  : 106 Mpc      (m-M) = 35.13 mag
Co-Moving Tangential Dist. : 106 Mpc      (m-M) = 35.13 mag
Co-Moving Volume           : 0.005 Gpc^3
Light Travel-Time          :   0.342 Gyr
Age at Redshift 0.025965   :  12.957 Gyr
Age of Universe            :  13.299 Gyr
Scale (Cosmology Corrected):    501 pc/arcsec =  0.501 kpc/arcsec =  30.07 kpc/arcmin =   1.80 Mpc/degree
Surface Brightness Dimming : Flux Density per Unit Area =  0.90255; Magnitude per Unit Area = 0.1113 mag
```

To change Cosmological Input Parameters for Derived Quantities: Enter Your Preferred Values and click on "Submit Changed Hubble Parameters for this object" button

H_o 73.0 Ω_{matter} 0.27 Ω_{vacuum} 0.73 NED Default/WMAP (Three-Year) WMAP (Five-Year) Parameters

Correct Redshift To the Reference Frame defined by: 3K CMB **as Input for Calculation of the Distances and Cosmology-Corrected Quantities** Submit Changed Hubble Parameters for this object

QUICK-LOOK PHOTOMETRY and LUMINOSITIES for SDSS J130416.98+262831.3 (Back to INDEX)

The brightest flux in each of the following spectral regions, when available:
Gamma-Ray (ν > 2E19 Hz); X-Ray (2E19 Hz > ν > 2E16 Hz); Ultraviolet (2E16 Hz > ν > 9E14 Hz); Visual (9E14 Hz > ν > 3E14 Hz);
Near-Infrared (3E14 Hz > ν > 6E13 Hz); Mid-Infrared (6E13 Hz > ν > 7.5E12 Hz); Far-Infrared (7.5E12 Hz > ν > 1E12 Hz);
Sub-Millimeter (1E12 Hz > ν > 3E11 Hz); Millimeter (3E11 Hz > ν > 3E10 Hz); Radio (3E10 Hz > ν).

Spectral Region	Band	Apparent Mag or Flux	Refcode	Absolute Mag or νL_ν [W]	νL_ν [$L_\odot$(Bolometric)]
Ultraviolet	NUV (GALEX) AB	18.9327 +/- 0.0702396 mag	2012GASC..C...0000S	-16.25 +/- 0.50 [mag]	4.61E+08 +/- 9.69E+07
Visual	z (SDSS Model) AB	17.100 +/- 0.044 asinh mag	2007SDSS6.C...0000:	-18.08 +/- 0.50 [mag]	6.17E+08 +/- 1.26E+08

NOTE: The above quantities are derived using a Distance Modulus of 35.18 mag corresponding to
a Luminosity Distance of 108.8 Mpc [assuming 10%uncertainty] using the Cosmology-Corrected Quantities.
The quantities quoted above have not necessarily been corrected for foreground extinction, and no K-Corrections have been applied.

View details and SED for 21 Photometric data point(s) available in NED.

NEW QUICK-LOOK ANGULAR & PHYSICAL DIAMETERS for SDSS J130416.98+262831.3 (Back to INDEX)

The largest diameters in the Visual and Near-Infrared spectral regions, when available:

Passband	Apparent Major Axis (2a) [arcsec]	Apparent Minor Axis (2b) [arcsec]	PA [degrees] (J2000.0)	Reference Level	Refcode	Physical Major Axis (2a) [kpc]	Physical Minor Axis (2b) [kpc]
r (SDSS Isophotal)	19.37	12.78	74	25.0 mag arcsec^-2^	2007SDSS6.C...0000:	10.41	6.87

NOTE: At z <= 0.5, physical diameters are derived using a Scale at the Hubble Flow Distance (Virgo + GA + Shapley) of 0.538 kpc/arcsec.
The quantities quoted above have not necessarily been corrected for foreground extinction.

View details for 4 Diameter data point(s) available in NED.

EXTERNAL ARCHIVES AND SERVICES for SDSS J130416.98+262831.3 Help (Back to INDEX)

Data Related Directly to Object Names	Site/Service
Query SIMBAD by primary NED object name -- SDSS J130416.98+262831.3	SIMBAD (CDS, Strasbourg, France)
Query SDSS Sky Server -- SDSS J130416.98+262831.3	SDSS Sky Server
Query GALEX (NUV/FUV) Mission Archive (6' search radius) -- SDSS J130416.98+262831.3	GALEX Mission Data Archive at MAST
Explore IRSA resources with RADAR (10"search radius) -- SDSS J130416.98+262831.3	NASA/IPAC Infrared Science Archive (IRSA)
General Archive Resources -- All queries centered at 13h04m17.0s, +26d28m31s (J2000)	**Site/Service**
Query Optical and UV Mission Archives (Default search radius)	Multimission Archive at STScI (MAST)
Query High Energy Mission Archives (Default search radius)	HEASARC (NASA/GSFC)
Explore resources with DataScope (15' search radius)	HEASARC (NASA/GSFC)
Query SDSS Sky Server -- SDSS J130416.98+262831.3	SDSS Sky Server
Query IRSA for WISE images (10' search radius)	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve 2MASS Atlas Images Band(s): Ks Size: 2'	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve IRAS ISSA Images Band(s): 60um Size: 30'	NASA/IPAC Infrared Science Archive (IRSA)
1-D Coadd of IRAS Scans (ADDSCAN/SCANPI)	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve NVSS Image Size: 15' Contours (PS) JPEG FITS File	NRAO/VLA Sky Survey (NVSS)
Retrieve FIRST Image Size: 15' GIF FITS File	Faint Images of the Radio Sky at Twenty-Centimeters
NRAO Archive 1 arcminute search radius (EVLA, VLA and VLBA)	The NRAO Data Archive System

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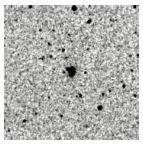
Object No. 3 - KUG 1300+267

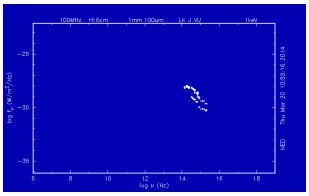
INDEX for KUG 1300+267

Essential Data (jump to sub-section of this query report):

Detailed Data (NED queries):



Images



33 Photometric data point(s) and SED

ESSENTIAL NOTE for KUG 1300+267 (Back to INDEX)

N/A

CROSS-IDENTIFICATIONS for KUG 1300+267 (Back to INDEX)

Object Names	Type	Object Names	Type
KUG 1300+267	G	AGC 732476	RadioS
CGCG 160-117	G	ASK 579935.0	G
CGCG 1300.6+2647	G	NGP9 F323-1397178	G
2MASX J13030596+2631524	IrS	NPM1G +26.0305	G
2MASXi J1303059+263152	IrS	PGC 045066	G
SDSS J130305.93+263152.0	G	[DFO95] 317	G

GALEXASC J130306.01+263153.8	UvS		

COORDINATES for KUG 1300+267 (Back to INDEX)

Position Reference:2007SDSS6.C...0000:

Reference Frame	Longitude (degrees)	Latitude (degrees)	RA	DEC	Uncertainty Ellipse (arcsec) Semimajor	Semiminor	PA(deg)
Equatorial (B1950.0)	195.171367	26.799404	13h00m41.128s	+26d47m57.86s	5.00E-01	5.00E-01	0
Equatorial (J2000.0)	195.774743	26.531133	13h03m05.938s	+26d31m52.08s	5.00E-01	5.00E-01	0
Ecliptic (B1950.0)	182.321110	30.436764			5.00E-01	5.00E-01	0
Ecliptic (J2000.0)	183.023437	30.435953			5.00E-01	5.00E-01	0
Galactic	20.664343	87.330982			5.00E-01	5.00E-01	0
SuperGalactic	91.213098	8.702733			5.00E-01	5.00E-01	0

Additional detailed measurements with references are also available by clicking below:
6 Position data point(s)

REDSHIFT-INDEPENDENT DISTANCES for KUG 1300+267 (Back to INDEX)

N/A

CLASSIFICATIONS (TYPES, ATTRIBUTES) for KUG 1300+267 (Back to INDEX)

N/A

FOREGROUND GALACTIC EXTINCTION for KUG 1300+267 (Back to INDEX)

NEW Galactic Extinction from the Schlafly & Finkbeiner 2011, Appendix; 2011ApJ...737..103S (SF11) recalibration
of the Schlegel, Finkbeiner & Davis 1998, Appendix B; 1998ApJ...500..525S (SFD98) infrared-based dust map.
The map is based on dust emission from COBE/DIRBE and IRAS/ISSA;
the recalibration assumes a Fitzpatrick (1999PASP..111...63F) reddening law with R_V = 3.1 and different source spectrum than SFD98.

	Landolt					SDSS					UKIRT			
Filter [μm]	U (0.35)	B (0.43)	V (0.54)	R (0.64)	I (0.80)	u (0.36)	g (0.47)	r (0.62)	i (0.75)	z (0.89)	J (1.25)	H (1.66)	K (2.19)	L' (3.78)
A_λ [mag]	0.049	0.041	0.031	0.024	0.017	0.048	0.037	0.026	0.019	0.014	0.008	0.005	0.003	0.002

Show/Hide A_λ magnitudes in all 88 photometric bands based on SF11

For completeness, we include the original SFD98 values:

	Landolt					SDSS					UKIRT			
Filter [μm]	U (0.34)	B (0.44)	V (0.54)	R (0.65)	I (0.81)	u (0.35)	g (0.49)	r (0.63)	i (0.78)	z (0.93)	J (1.27)	H (1.67)	K (2.22)	L' (3.81)
A_λ [mag]	0.065	0.051	0.039	0.032	0.023	0.061	0.045	0.033	0.025	0.018	0.011	0.007	0.004	0.002

Galactic Extinction based on H I Column Densities and Galaxy Counts
(Burstein & Heiles; 1982AJ.....87.1165B) assuming R_V = 3.1:
A_B = 0.000 mag

See Notes on Galactic Extinction for important caveats.

BASIC DATA for KUG 1300+267 (Back to INDEX)

```
Helio. Radial Velocity     :      5771 +/-       18 km/s
Redshift                   :  0.019250 +/- 0.000060        2003AJ....126.2152R
Major Diameter (arcmin)    :  0.3
Minor Diameter (arcmin)    :  0.2
Magnitude and Filter       : 15.7
Classifications            : Spiral

NOTE: This information is indicative only. With the exception of the
      redshift they are unreferenced and highly inhomogeneous as to
      their origin. The Radial Velocity (when available) is computed
      from the listed redshift. The remaining values are designed to
      orient the user with a quick-look, overall assessment of the
```

general properties of the object in question. They are not
averages nor are they standardized in any way.

Additional detailed measurements with references are also available by clicking below:
3 Redshift data point(s) 33 photometric data point(s) 6 Diameter data point(s)

QUANTITIES DERIVED FROM REDSHIFT for KUG 1300+267 (Details)(Back to INDEX)

Calculated and Corrected Velocities

V (Heliocentric)	5771 +/- 18 km/s	2003AJ....126.2152R
V (Kinematic LSR)	5780 +/- 18 km/s	1986MNRAS.221.1023K
V (Galactocentric GSR)	5782 +/- 18 km/s	1991RC3.9.C...0000d
V (Local Group)	5753 +/- 18 km/s	1996AJ....111..794K
V (3K CMB)	6042 +/- 26 km/s	1996ApJ...473..576F
V (Virgo Infall only)	5985 +/- 24 km/s	2000ApJ...529..786M
V (Virgo + GA only)	6326 +/- 34 km/s	2000ApJ...529..786M
V (Virgo + GA + Shapley)	6364 +/- 34 km/s	2000ApJ...529..786M

Hubble Flow Distance and Distance Modulus (where H_o = 73.0 +/- 5 km/sec/Mpc)

D (Galactocentric GSR)	79.2 +/- 5.5 Mpc	(m-M) = 34.49 +/- 0.15 mag
D (Local Group)	78.8 +/- 5.5 Mpc	(m-M) = 34.48 +/- 0.15 mag
D (3K CMB)	82.8 +/- 5.8 Mpc	(m-M) = 34.59 +/- 0.15 mag
D (Virgo Infall only)	82.0 +/- 5.7 Mpc	(m-M) = 34.57 +/- 0.15 mag
D (Virgo + GA only)	86.7 +/- 6.1 Mpc	(m-M) = 34.69 +/- 0.15 mag
D (Virgo + GA + Shapley)	87.2 +/- 6.1 Mpc	(m-M) = 34.70 +/- 0.15 mag

Scale at Hubble Flow Distances

Scale (Galactocentric GSR)	384 pc/arcsec =	0.384 kpc/arcsec =	23.04 kpc/arcmin =	1.38 Mpc/degree
Scale (Local Group)	382 pc/arcsec =	0.382 kpc/arcsec =	22.93 kpc/arcmin =	1.38 Mpc/degree
Scale (3K CMB)	401 pc/arcsec =	0.401 kpc/arcsec =	24.08 kpc/arcmin =	1.44 Mpc/degree
Scale (Virgo Infall only)	397 pc/arcsec =	0.397 kpc/arcsec =	23.85 kpc/arcmin =	1.43 Mpc/degree
Scale (Virgo + GA only)	420 pc/arcsec =	0.420 kpc/arcsec =	25.21 kpc/arcmin =	1.51 Mpc/degree
Scale(Virgo + GA + Shapley)	423 pc/arcsec =	0.423 kpc/arcsec =	25.36 kpc/arcmin =	1.52 Mpc/degree

To Search for Nearby Objects (Physical Companions): Enter Your Preferred Values and click on "Submit Environment Search" button

Search for Objects within +/- 30 **arcmin where 100 kpc = 3.943 arcmin** Default Value is +/- 750 kpc

and Selected Redshift, defined by the Velocity Range: from 5271 **to** 6271 **km/sec where**

V(Heliocentric) = 5771 km/sec Default Value is +/- 500 km/sec Submit Environment Search

Cosmology-Corrected Quantities [H_o = 73.00 km/sec/Mpc, Ω_{matter} = 0.27, Ω_{vacuum} = 0.73]
[Redshift 0.020155 as corrected to the Reference Frame defined by the 3K Microwave Background Radiation]

Luminosity Distance	84.1 Mpc	(m-M) = 34.62 mag
Angular-Size Distance	80.8 Mpc	(m-M) = 34.54 mag
Co-Moving Radial Distance	82.4 Mpc	(m-M) = 34.58 mag
Co-Moving Tangential Dist.	82.4 Mpc	(m-M) = 34.58 mag
Co-Moving Volume	0.00235 Gpc^3	
Light Travel-Time	0.266 Gyr	
Age at Redshift 0.020155	13.033 Gyr	
Age of Universe	13.299 Gyr	
Scale (Cosmology Corrected)	392 pc/arcsec =	0.392 kpc/arcsec = 23.51 kpc/arcmin = 1.41 Mpc/degree
Surface Brightness Dimming	Flux Density per Unit Area = 0.92328; Magnitude per Unit Area = 0.08666 mag	

To change Cosmological Input Parameters for Derived Quantities: Enter Your Preferred Values and click on "Submit Changed Hubble Parameters for this object" button

H_o 73.0 Ω_{matter} 0.27 Ω_{vacuum} 0.73 NED Default/WMAP (Three-Year) WMAP (Five-Year) Parameters

Correct Redshift To the Reference Frame defined by: 3K CMB **as Input for Calculation**

of the Distances and Cosmology-Corrected Quantities Submit Changed Hubble Parameters for this object

QUICK-LOOK PHOTOMETRY and LUMINOSITIES for KUG 1300+267 (Back to INDEX)

The brightest flux in each of the following spectral regions, when available:
Gamma-Ray (ν > 2E19 Hz); X-Ray (2E19 Hz > ν > 2E16 Hz); Ultraviolet (2E16 Hz > ν > 9E14 Hz); Visual (9E14 Hz > ν > 3E14 Hz);
Near-Infrared (3E14 Hz > ν > 6E13 Hz); Mid-Infrared (6E13 Hz > ν > 7.5E12 Hz); Far-Infrared (7.5E12 Hz > ν > 1E12 Hz);
Sub-Millimeter (1E12 Hz > ν > 3E11 Hz); Millimeter (3E11 Hz > ν > 3E10 Hz); Radio (3E10 Hz > ν).

Spectral Region	Band	Apparent Mag or Flux	Refcode	Absolute Mag or νL_ν [W]	νL_ν [$L_\odot$(Bolometric)]
Ultraviolet	NUV (GALEX) AB	17.3862 +/- 0.0344767 mag	2012GASC..C...0000S	-17.24 +/- 0.50 [mag]	1.14E+09 +/- 2.32E+08
Visual	z (SDSS Model) AB	14.227 +/- 0.004 asinh mag	2007SDSS6.C...0000:	-20.40 +/- 0.50 [mag]	5.20E+09 +/- 1.04E+09
Near-Infrared	H_total (2MASS)	12.455 +/- 0.050 mag	20032MASX.C.....:	-22.17 +/- 0.50 [mag]	4.29E+09 +/- 8.80E+08

NOTE: The above quantities are derived using a Distance Modulus of 34.62 mag corresponding to
a Luminosity Distance of 84.1 Mpc [assuming 10%uncertainty] using the Cosmology-Corrected Quantities.
The quantities quoted above have not necessarily been corrected for foreground extinction, and no K-Corrections have been applied.

View details and SED for 33 Photometric data point(s) available in NED.

QUICK-LOOK ANGULAR & PHYSICAL DIAMETERS for KUG 1300+267 (Back to INDEX)

The largest diameters in the Visual and Near-Infrared spectral regions, when available:

Passband	Apparent Major Axis (2a) [arcsec]	Apparent Minor Axis (2b) [arcsec]	PA [degrees] (J2000.0)	Reference Level	Refcode	Physical Major Axis (2a) [kpc]	Physical Minor Axis (2b) [kpc]
r (SDSS Isophotal)	34.39	22.35	171	25.0 mag arcsec^-2^	2007SDSS6.C...0000:	14.53	9.45
K_s (2MASS "total")	35.60	25.63	170	Diameter for "total" magnitude 20032MASX.C.....:	20032MASX.C.....:	15.05	10.83

NOTE: At z <= 0.5, physical diameters are derived using a Scale at the Hubble Flow Distance (Virgo + GA + Shapley) of 0.423 kpc/arcsec.
The quantities quoted above have not necessarily been corrected for foreground extinction.

View details for 6 Diameter data point(s) available in NED.

EXTERNAL ARCHIVES AND SERVICES for KUG 1300+267 **Help** (Back to INDEX)

Data Related Directly to Object Names	Site/Service
Query SIMBAD by primary NED object name -- KUG 1300+267	SIMBAD (CDS, Strasbourg, France)
Original Zwicky Catalog -- CGCG 160-117	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
Query UZC Spectral Archive (60 arcsec search radius)	Updated Zwicky Catalog Data (Harvard/SAO)
2MASS Extended Source Images (JHKs) -- 2MASX J13030596+2631524	NASA/IPAC Infrared Science Archive (IRSA)
2MASS Extended Source Images (JHKs) -- 2MASXi J1303059+263152	NASA/IPAC Infrared Science Archive (IRSA)
Query SDSS Sky Server -- SDSS J130305.93+263152.0	SDSS Sky Server
Catalogue of Principal Galaxies -- PGC 045066	VizieR Catalog Query (U.S. mirror, CfA/Harvard)
Retrieve mean data from LEDA -- PGC 045066	The Lyon/Meudon Extragalactic Database (LEDA)
Query GALEX (NUV/FUV) Mission Archive (6' search radius) -- KUG 1300+267	GALEX Mission Data Archive at MAST
Explore IRSA resources with RADAR (10"search radius) -- KUG 1300+267	NASA/IPAC Infrared Science Archive (IRSA)
General Archive Resources -- All queries centered at 13h03m05.9s, +26d31m52s (J2000)	**Site/Service**
Query Optical and UV Mission Archives (Default search radius)	Multimission Archive at STScI (MAST)
Query High Energy Mission Archives (Default search radius)	HEASARC (NASA/GSFC)
Explore resources with DataScope (15' search radius)	HEASARC (NASA/GSFC)
Query SDSS Sky Server -- KUG 1300+267	SDSS Sky Server
Query IRSA for WISE images (10' search radius)	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve 2MASS Atlas Images Band(s): Ks Size: 2'	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve IRAS ISSA Images Band(s): 60um Size: 30'	NASA/IPAC Infrared Science Archive (IRSA)
1-D Coadd of IRAS Scans (ADDSCAN/SCANPI)	NASA/IPAC Infrared Science Archive (IRSA)
Retrieve NVSS Image Size: 15' Contours (PS) JPEG FITS File	NRAO/VLA Sky Survey (NVSS)
Retrieve FIRST Image Size: 15' GIF FITS File	Faint Images of the Radio Sky at Twenty-Centimeters
NRAO Archive 1 arcminute search radius (EVLA, VLA and VLBA)	The NRAO Data Archive System

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