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# Product Release Announcement

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FOR IMMEDIATE RELEASE  
May 2, 2016

## **DEEP-SKY PLANNER 7 RELEASED**

Knightware is pleased to announce the release of **Deep-Sky Planner 7**, available by digital delivery or on CD. The product helps observers plan what to observe and when, and it gives up-to-the-minute information while observing.

The new version includes an expanded and updated object database of over 1.5 million objects, including the Revised NGC/IC (Steinicke, 2016) and exclusive data for the Arp Peculiar Galaxy catalog. The database includes the most up-to-date professional catalog data available.

Numerous improvements have been made to the user interface, making the data more accessible than ever before. Observing plans can be imported from other software, and they can be exported to Argo Navis, Sky Commander, ACP Observatory Control Software, Cartes du Ciel, Sequence Generator Pro and SkySafari (on iOS, Android and Mac OS). Deep-Sky Planner includes Smart Chart Operation™, allowing you to display objects in your favorite planetarium software instantly. Real-time telescope control allows you to move your ASCOM-compatible GoTo telescope automatically to any object.

New visibility models are included that assess whether objects are visible given observer, equipment and sky conditions. Sky Darkness data can be read and displayed continuously from a connected Sky Quality Meter.

**Deep-Sky Planner 7** includes a fully integrated observing log with the most extensive logging features available. Users can attach images, sketches, video and audio clips to an observation. Observing logs can be exchanged with other software in

**OpenAstronomyLog** format, and they can be posted in HTML format to a web site.

**Deep-Sky Planner** operates on Windows 10, 8, and 7. It includes thorough documentation, online product support and online product updates. The online product community allows licensed users to access an extensive library of pre-built observing plans and equipment lists used by the product. For full product description please see

**<http://www.knightware.biz/dsp>**.

### **Pricing and Availability**

Deep-Sky Planner 7 is available by digital delivery (\$75) and on CD (\$83.95) directly from Knightware at <http://www.knightware.biz>

Deep-Sky Planner 6 - [C:\...\Documents\A DSP6 Plans\Plans\Upload\Arp Peculiar Galaxies.dsplan\*]

File Observing Log Equipment/Observer Telescope Control Options Window Help

General Localize Magnitude Size Constellation Object Type Atlas Alt/Az Observed

Calculate for Location: Raleigh, NC

Calculate for Date/Time:
 

- Now
- Time on calendar date:
  - Sunset
  - End Twilight: 06:32p
  - Begin Twilight
  - Sunrise
  - At: 8:14 AM

December, 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Fetch Requested DSS Image If Not Stored Locally Auto Assign DSS Images DSS-2 Red survey at STScI (US)

Edit Plan Optimize Columns Customize Columns Help Run Run every: 1 min Auto Stop Ready 208 of 655 objects Get DSS Images...

Observing Plan Report

Object	Common Name	RA(app)	Dec(app)	Con	Best (Alt)	Alt	Az	Mag	Size	SB	User Text
Arp 325-5	Arp 325 NED04	22h07m05s.3	-21°01'10"	Aqr	06:32p(30°:1)	+30°08':3	201°18':6				
Arp 325-6	PGC 68035	22h07m05s.3	-21°01'10"	Aqr	06:32p(30°:1)	+30°08':3	201°18':6	17.9v	24".0x18".0	24.2	
Arp 325-7	Arp 325 NED05	22h07m06s.3	-21°01'10"	Aqr	06:32p(30°:1)	+30°08':4	201°18':4	17.9v			
Arp 325-8	PGC 68036	22h07m06s.3	-21°01'10"	Aqr	06:32p(30°:1)	+30°08':4	201°18':4	16.0v	18".0x18".0	22	
Arp 325-1	Arp 325 NED01	22h07m04s.3	-21°00'10"	Aqr	06:32p(30°:2)	+30°09':2	201°19':2	18.1v			
Arp 325-2	Arp 325 NED02	22h07m04s.3	-21°00'10"	Aqr	06:32p(30°:2)	+30°09':2	201°19':2				
Arp 325-3		22h07m05s.3	-21°00'10"	Aqr	06:32p(30°:2)	+30°09':3	201°19':0	14.5v	1'.5x0'.6	23	Morphology=Hut
Arp 325-4	Arp 325 NED03	22h07m05s.3	-21°00'10"	Aqr	06:32p(30°:2)	+30°09':3	201°19':0	16.1v			
Arp 311-1	IC 1258	17h27m26s.4	+58°28'30"	Dra	06:32p(30°:2)	+30°10':0	322°47':3	14.4v	54".0x42".0	22.5	Morphology=Hut
Arp 310-1	IC 1259 NED01	17h27m33s.4	+58°30'31"	Dra	06:32p(30°:2)	+30°11':6	322°49':1	15.0v	54".0x36".0	23	Morphology=Hut
Arp 311-2	IC 1259-1	17h27m33s.4	+58°30'31"	Dra	06:32p(30°:2)	+30°11':6	322°49':1	15.0v	18".0x18".0	21	Morphology=Hut
Arp 311-3	IC 1259-2	17h27m35s.4	+58°29'31"	Dra	06:32p(30°:2)	+30°11':5	322°47':9	15.0v	48".0x24".0	22.4	Morphology=Hut
Arp 311-4	IC 1260	17h27m40s.4	+58°27'31"	Dra	06:32p(30°:2)	+30°11':4	322°45':5	15.8v	12".0x12".0	20.9	
Arp 310-2	IC 1259 NED02	17h27m36s.4	+58°30'31"	Dra	06:32p(30°:2)	+30°11':9	322°48':9	14.2v	54".0x48".0	22.5	Morphology=Hut
Arp 30-1		17h22m46s.6	+62°09'25"	Dra	06:32p(30°:9)	+30°52':4	327°02':2	12.2v	1'.1x0'.2	19.2	Morphology=Hut
Arp 30-2	NGC 6365A	17h22m47s.6	+62°09'25"	Dra	06:32p(30°:9)	+30°52':4	327°02':2	13.8v	1'.1x1'.0	22.5	Morphology=Hut

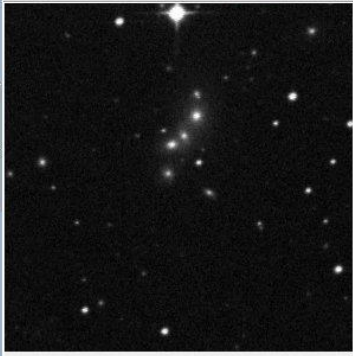
Calculation for: 07 Dec 2012 06:32:23p (LT), 07 Dec 2012 23:32:23 (UT), LAST: 23h25m48s, JD: 2456269.480819

Caldwells Raleigh, NC 12 Nov 2012 08:17:49a (LT) JD: 2456244.05404 Version 6.0.0.0

DSS Daily Altitude Yearly Altitude Observations

poss2ukstu\_red(5)

Online Image



Arp Peculiar Galaxies at least 30° altitude at end of twilight on 7 Dec 2012, sorted by best time to view. The image shows several members of Arp 325.

-End-