

# Hoag

Jennifer Freienmuth  
[www.dovecallknits.com](http://www.dovecallknits.com)

In 1950 Arthur Hoag discovered a cosmic phenomenon that has come to be known as a Hoag's Object. A Hoag's Object is a galaxy contained within a galaxy. Hoag's Object is observable in the Ophiuchus constellation.



***Finished Measurements:***

**Length:** approx. 56 in.

**Width:** approx. 20 in.

***Materials:***

**Yarn:** Plymouth Yarn Baby Alpaca Brush 6 skeins (110 yds./50 grams) 660 yards total or 660 yards of worsted weight yarn

**Needles:** Size 11 22 in. circular needles

**Other Materials:** tapestry needle, row counter, life line (if desired), stitch markers (if desired)

**Gauge:** 16 st./16 rows=4 in. in stitch pattern using size 11 needles. Gauge is not critical for this project.

***Pattern Notes:***

**CO:** cast-on

**BO:** bind-off

**st(s):** stitch/stitches

**k:** knit

**p;** purl

**ws:** wrong side

**rs:** right side

**wrap 3 stitches:** with yarn held in front slip the next three stitches purlwise from the left hand needle to the right hand needle. Move yarn to the back and slip the same three stitches from the right hand needle back to the left. Knit all three wrapped stitches.

**yo:** yarn over

**k3tog:** knit the next 3 stitches together (2 stitches decreased)

**k3tog tbl:** knit the next 3 stitches together through the back loop (2 stitches decreased)

**kfbf:** knit into the front, the back, and the front of the next stitch (2 stitches increased)

**kfb:** knit into the front and back of the next stitch (1 stitch increased)

**k2tog:** knit the next 2 stitches together

**sl1 k1 pssso:** slip the next stitch knitwise from the left hand needle to the right hand needle, knit the next stitch, pass the slipped stitch over the knit stitch (1 stitch decrease)

**ktbl:** knit through the back loop.

**sl1 k2tog pssso:** slip the next stitch knitwise from the left hand needle to the right hand needle, knit the next 2 stitches together, pass the slipped stitch over the stitches knit together (2 stitches decreased).

**work 5 tog:** first, slip the next stitch knitwise from the left hand needle to the right hand needle, knit the next stitch, pass the slipped stitch over the knit stitch, then knit the next 3 stitches together, finally pass the stitch from the first step over the three stitches that were knit together (4 stitches decreased)



***Pattern:***

Using a long tail cast-on, loosely CO 79 stitches.

**Section 1:**

k 4 rows

**Row 1 (ws) (beginning of lace chart):** k3, p7, k3 (repeat for all ws rows)

**Row 2 (rs):** k11, \*wrap three stitches, k15\* repeat from \* to \* 2 more times, wrap three stitches, k11

**Row 4:** k9, \*k3tog, yo, kfbf, yo, k3tog tbl, k11\* repeat from \* to \* 2 more times, k3tog, yo, kfbf, yo, k3tog tbl, k9

**Row 6:** k7, \*k3tog, yo, k2tog, yo, kfbf, yo, sl1 k1 pssso, yo, k3tog tbl, k7\* repeat from \* to \* 3 more times

**Row 8:** k6, \*(k2tog, yo 3 times), ktbl, (yo, sl1 k1, pssso 3 times), k5\* repeat from \* to \* 2 more times, (k2tog, yo 3 times), ktbl, (yo, sl1 k1, pssso 3 times), k6

**Row 10:** k7, \*(yo, k2tog 2 times), yo, sl1 k2tog pssso, (yo, sl1 k1 pssso 2 times), yo, k7\*  
repeat from \* to \* 3 more times

**Row 12:** k6, \*(sl1 k1 pssso, yo 3 times), ktbl, (yo, k2tog 3 times), k5\* repeat from \* to \* 2  
more times, (sl1 k1 pssso, yo 3 times), ktbl, (yo, k2tog 3 times), k6

**Row 14:** k7, \*kfb, yo, sl1 k1 pssso, yo, work 5 tog, yo, k2tog, yo, kfb, k7\* repeat from \* to \*  
3 more times

**Row 16:** k9, \*kfb, yo, work 5 tog, yo, kfb, k11\* repeat from \* to \* 2 more times, kfb, yo,  
work 5 tog, yo, kfb, k9

Repeat rows 1-16 one more time.

Repeat rows 1-2 one more time.

Repeat **ALL** of section 1 one more time, including the beginning k4 rows.

## **Section 2:**

k 4 rows

**Row 1 (ws) (beginning of lace chart):** k3, p73, k3 (repeat for all ws rows)

**Row 2 (rs):** k11, \*wrap three stitches, k15\* repeat from \* to \* 2 more times, wrap three  
stitches, k11

**Row 4:** k9, \*k3tog, yo, kfbf, yo, k3tog tbl, k11\* repeat from \* to \* 2 more times, k3tog,  
yo, kfbf, yo, k3tog tbl, k9

**Row 6:** k7, \*k3tog, yo, k2tog, yo, kfbf, yo, sl1 k1 pssso, yo, k3tog tbl, k7\* repeat from \* to  
\* 3 more times

**Row 8:** k6, \*(k2tog, yo 3 times), ktbl, (yo, sl1 k1, pssso 3 times), k5\* repeat from \* to \* 2  
more times, (k2tog, yo 3 times), ktbl, (yo, sl1 k1, pssso 3 times), k6

**Row 10:** k7, \*(yo, k2tog 2 times), yo, sl1 k2tog pssso, (yo, sl1 k1 pssso 2 times), yo, k7\*  
repeat from \* to \* 3 more times

**Row 12:** k6, \*(sl1 k1 pssso, yo 3 times), ktbl, (yo, k2tog 3 times), k5\* repeat from \* to \* 2  
more times, (sl1 k1 pssso, yo 3 times), ktbl, (yo, k2tog 3 times), k6

**Row 14:** k7, \*kfb, yo, sl1 k1 pssso, yo, work 5 tog, yo, k2tog, yo, kfb, k7\* repeat from \* to \*  
3 more times

**Row 16:** k9, \*kfb, yo, work 5 tog, yo, kfb, k11\* repeat from \* to \* 2 more times, kfb, yo,  
work 5 tog, yo, kfb, k9

Repeat rows 1-16 4 more times.

Repeat rows 1 and 2 one more time.

### Section 3:

k 4 rows

**Row 1 (ws) (beginning of lace chart):** k3, p73, k3 (repeat for all ws rows)

**Row 2 (rs):** k11, \*wrap three stitches, k15\* repeat from \* to \* 2 more times, wrap three stitches, k11

**Row 4:** k9, \*k3tog, yo, kfbf, yo, k3tog tbl, k11\* repeat from \* to \* 2 more times, k3tog, yo, kfbf, yo, k3tog tbl, k9

**Row 6:** k7, \*k3tog, yo, k2tog, yo, kfbf, yo, sl1 k1 pssso, yo, k3tog tbl, k7\* repeat from \* to \* 3 more times

**Row 8:** k6, \*(k2tog, yo 3 times), ktbl, (yo, sl1 k1, pssso 3 times), k5\* repeat from \* to \* 2 more times, (k2tog, yo 3 times), ktbl, (yo, sl1 k1, pssso 3 times), k6

**Row 10:** k7, \*(yo, k2tog 2 times), yo, sl1 k2tog pssso, (yo, sl1 k1 pssso 2 times), yo, k7\* repeat from \* to \* 3 more times

**Row 12:** k6, \*(sl1 k1 pssso, yo 3 times), ktbl, (yo, k2tog 3 times), k5\* repeat from \* to \* 2 more times, (sl1 k1 pssso, yo 3 times), ktbl, (yo, k2tog 3 times), k6

**Row 14:** k7, \*kfb, yo, sl1 k1 pssso, yo, work 5 tog, yo, k2tog, yo, kfb, k7\* repeat from \* to \* 3 more times

**Row 16:** k9, \*kfb, yo, work 5 tog, yo, kfb, k11\* repeat from \* to \* 2 more times, kfb, yo, work 5 tog, yo, kfb, k9

Repeat rows 1-16 one more time.

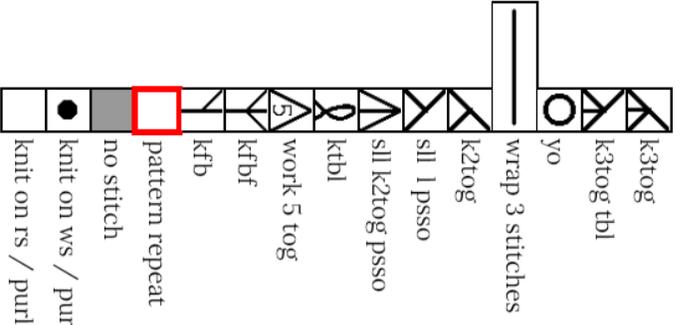
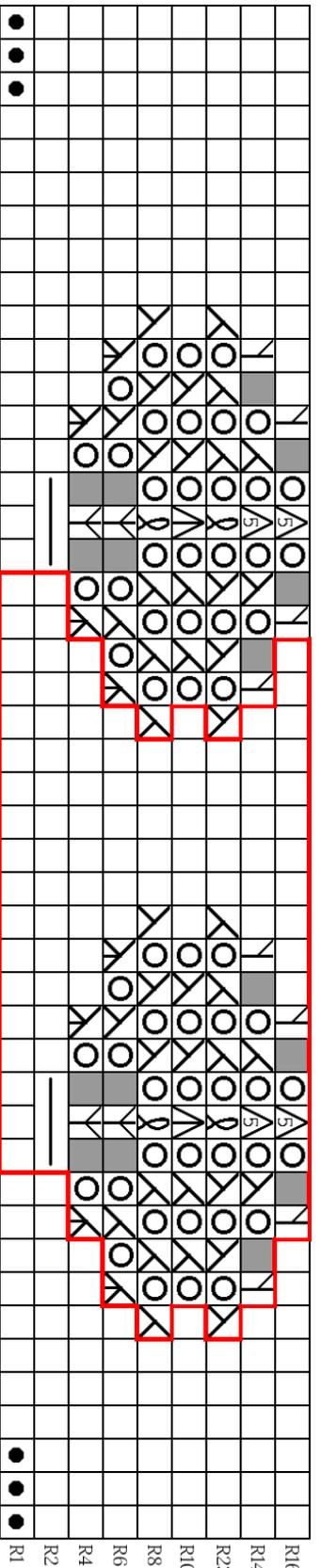
Repeat rows 1-2 one more time.

Repeat **ALL** of section 1 one more time, including the beginning k4 rows.

k4 rows

BO loosely





\*\* Repeat row 1 for all wrong side rows