

























































































**Pattern Name:** Southern Ring Nebula  
**Designed By:** Michele Sayetta  
**Company:** Heaven and Earth Designs Inc.  
**Copyright:** NASA James Webb 2022 ©  
**Fabric:** Linen 25, White  
 575w X 535h Stitches  
**Size:** 25 Count, 23w X 21-3/8h in

### Floss Used for Full Stitches:

Symbol	Strands	Type	Number	Color
	2	DMC	152	Shell Pink-MD LT
	2	DMC	155	Blue Violet-MD DK
	2	DMC	156	Blue Violet-MD LT
	2	DMC	157	Cornflower Blue-VY LT
	2	DMC	158	Cornflower Blue-MD VY DK
	2	DMC	159	Gray Blue-LT
	2	DMC	160	Gray Blue-MD
	2	DMC	161	Gray Blue
	2	DMC	162	Blue-UL VY LT
	2	DMC	209	Lavender-DK
	2	DMC	223	Shell Pink-LT
	2	DMC	224	Shell Pink-VY LT
	2	DMC	301	Mahogany-MD
	2	DMC	304	Christmas Red-MD
	2	DMC	310	Black
	2	DMC	315	Antique Mauve-VY DK
	2	DMC	317	Pewter Gray
	2	DMC	318	Steel Gray-LT
	2	DMC	327	Violet-VY DK
	2	DMC	336	Navy Blue
	2	DMC	340	Blue Violet-MD
	2	DMC	347	Salmon-VY DK
	2	DMC	351	Coral
	2	DMC	352	Coral-LT
	2	DMC	400	Mahogany-DK
	2	DMC	413	Pewter Gray-DK
	2	DMC	414	Steel Gray-DK
	2	DMC	452	Shell Gray-MD
	2	DMC	519	Sky Blue
	2	DMC	550	Violet-VY DK
	2	DMC	554	Violet-LT
	2	DMC	597	Turquoise

Symbol	Strands	Type	Number	Color
	?	2	DMC 646	Beaver Gray-DK
	▲	2	DMC 721	Orange Spice-MD
	≈	2	DMC 722	Orange Spice-LT
	⌘	2	DMC 760	Salmon
	↑	2	DMC 775	Baby Blue-VY LT
	♥	2	DMC 791	Cornflower Blue-VY DK
	⊙	2	DMC 793	Cornflower Blue-MD
	⊕	2	DMC 794	Cornflower Blue-LT
	⊠	2	DMC 799	Delft Blue-MD
	⊕	2	DMC 809	Delft Blue
	⊗	2	DMC 814	Garnet-DK
	⊕	2	DMC 815	Garnet-MD
	◆	2	DMC 817	Coral Red-VY DK
	⊗	2	DMC 819	Baby Pink-LT
	◇	2	DMC 823	Navy Blue-DK
	#	2	DMC 827	Blue-VY LT
	⊕	2	DMC 902	Garnet-VY DK
	⊙	2	DMC 918	Red Copper-DK
	⌒	2	DMC 919	Red Copper
	●	2	DMC 920	Copper-MD
	⊠	2	DMC 921	Copper
	⊗	2	DMC 922	Copper-LT
	□	2	DMC 930	Antique Blue-DK
	⊕	2	DMC 931	Antique Blue-MD
	⊕	2	DMC 945	Tawny
	⊗	2	DMC 3041	Antique Violet-MD
	*	2	DMC 3042	Antique Violet-LT
	⌒	2	DMC 3328	Salmon-DK
	⊠	2	DMC 3371	Black Brown
	⌒	2	DMC 3685	Mauve-DK
	⌒	2	DMC 3688	Mauve-MD
	//	2	DMC 3712	Salmon-MD
	⊕	2	DMC 3713	Salmon-VY LT
	⊗	2	DMC 3721	Shell Pink-DK
	♠	2	DMC 3722	Shell Pink-MD
	⊠	2	DMC 3726	Antique Mauve-DK
	⊗	2	DMC 3727	Antique Mauve-LT
	Z	2	DMC 3733	Dusty Rose
	◇	2	DMC 3743	Antique Violet-VY LT
	⊠	2	DMC 3747	Blue Violet-VY LT
	⌒	2	DMC 3761	Sky Blue-LT
	7	2	DMC 3770	Tawny-VY LT

Symbol	Strands	Type	Number	Color
	2	DMC	3778	Terra Cotta-LT
	2	DMC	3787	Brown Gray-DK
	2	DMC	3802	Antique Mauve-VYDK
	2	DMC	3825	Pumpkin-Pale
	2	DMC	3830	Terra Cotta-MD
	2	DMC	3835	Grape-MD
	2	DMC	3836	Grape-LT
	2	DMC	3838	Lavender Blue-DK
	2	DMC	3840	Lavender Blue-LT
	2	DMC	3854	Autumn Gold-MD
	2	DMC	3857	Rosewood-DK
	2	DMC	3858	Rosewood-MD
	2	DMC	3861	Cocoa-LT
	2	DMC	3865	Winter White

## Usage Summary

Strands Per Skein: 6

Skein Length: 313.0 in

Type	Number	Full	Half	Quarter	Petite	Back(in)	Str(in)	Spec(in)	French	Bead	Skein Est.
DMC 152	152	484	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 155	155	446	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 156	156	403	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 157	157	623	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 158	158	90	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 159	159	607	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 160	160	1529	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 161	161	468	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 162	162	665	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 209	209	184	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 223	223	772	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 224	224	506	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 301	301	73	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 304	304	179	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 310	310	221240	0	0	0	0.0	0.0	0.0	0	0	61.000
DMC 315	315	916	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 317	317	213	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 318	318	614	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 327	327	944	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 336	336	48	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 340	340	938	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 347	347	213	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 351	351	342	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 352	352	350	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 400	400	2175	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 413	413	362	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 414	414	570	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 452	452	141	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 519	519	494	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 550	550	910	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 554	554	400	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 597	597	6	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 646	646	5	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 721	721	291	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 722	722	481	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 760	760	231	0	0	0	0.0	0.0	0.0	0	0	1.000

Type	Number	Full	Half	Quarter	Petite	Back(in)	Str(in)	Spec(in)	French	Bead	Skein Est.
DMC 775	1150	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 791	75	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 793	576	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 794	136	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 799	767	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 809	1541	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 814	12719	0	0	0	0.0	0.0	0.0	0	0	4.000	
DMC 815	3369	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 817	378	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 819	638	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 823	285	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 827	870	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 902	3376	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 918	1266	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 919	1342	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 920	797	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 921	651	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 922	333	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 930	18	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 931	334	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 945	612	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3041	388	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3042	456	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3328	698	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3371	17508	0	0	0	0.0	0.0	0.0	0	0	5.000	
DMC 3685	431	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3688	188	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3712	366	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3713	814	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3721	1070	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3722	937	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3726	611	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3727	547	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3733	87	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3743	675	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3747	1415	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3761	605	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3770	308	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3778	620	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3787	26	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3802	1400	0	0	0	0.0	0.0	0.0	0	0	1.000	
DMC 3825	314	0	0	0	0.0	0.0	0.0	0	0	1.000	

Type	Number	Full	Half	Quarter	Petite	Back(in)	Str(in)	Spec(in)	French	Bead	Skein Est.
■ DMC	3830	833	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3835	593	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3836	468	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3838	368	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3840	2516	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3854	45	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3857	328	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3858	490	0	0	0	0.0	0.0	0.0	0	0	1.000
■ DMC	3861	486	0	0	0	0.0	0.0	0.0	0	0	1.000
□ DMC	3865	1888	0	0	0	0.0	0.0	0.0	0	0	1.000