




































































































**Pattern Name:** Chaos At The Heart Of The Orion Nebula  
**Designed By:** Nikki Northup  
**Company:** Charting Creations  
**Copyright:** NASA 2021  
**Fabric:** Evenweave 25, White  
 350w X 350h Stitches  
**Size(s):** 25 Count, 35.56w X 35.56h cm  
 18 Count, 49.39w X 49.39h cm  
 14 Count, 63.50w X 63.50h cm

**Floss Used for Full Stitches:**

Symbol	Strands	Type	Number	Color
	1	DMC	154	Grape-VY DK
	1	DMC	158	Cornflower Blue-MD VY DK
	1	DMC	159	Gray Blue-LT
	1	DMC	160	Gray Blue-MD
	1	DMC	301	Mahogany-MD
	1	DMC	310	Black
	1	DMC	315	Antique Mauve-VY DK
	1	DMC	317	Pewter Gray
	1	DMC	319	Pistachio Green-VY DK
	1	DMC	320	Pistachio Green-MD
	1	DMC	333	Blue Violet-VY DK
	1	DMC	367	Pistachio Green-DK
	1	DMC	400	Mahogany-DK
	1	DMC	434	Brown-LT
	1	DMC	435	Brown-VY LT
	1	DMC	436	Tan
	1	DMC	451	Shell Gray-DK
	1	DMC	501	Blue Green-DK
	1	DMC	520	Fern Green-DK
	1	DMC	524	Fern Green-VY LT
	1	DMC	612	Drab Brown-LT
	1	DMC	613	Drab Brown-VY LT
	1	DMC	640	Beige Gray-DK
	1	DMC	647	Beaver Gray-MD
	1	DMC	648	Beaver Gray-LT
	1	DMC	728	Topaz
	1	DMC	746	Off White
	1	DMC	775	Baby Blue-VY LT
	1	DMC	779	Cocoa-DK
	1	DMC	780	Topaz-UL VY DK
	1	DMC	782	Topaz-DK
	1	DMC	783	Topaz-MD
	1	DMC	796	Royal Blue-DK
	1	DMC	801	Coffee Brown-DK
	1	DMC	814	Garnet-DK
	1	DMC	815	Garnet-MD
	1	DMC	823	Navy Blue-DK
	1	DMC	832	Golden Olive
	1	DMC	833	Golden Olive-LT
	1	DMC	834	Golden Olive-VY LT
	1	DMC	842	Beige Brown-VY LT
	1	DMC	890	Pistachio Green-UL DK
	1	DMC	902	Antique Mauve-VY DK
	1	DMC	909	Emerald Green-VY DK
	1	DMC	911	Emerald Green-MD
	1	DMC	918	Red Copper-DK
	1	DMC	919	Red Copper
	1	DMC	927	Gray Green-LT

Symbol	Strands	Type	Number	Color
	1	DMC	928	Gray Green-VY LT
	1	DMC	931	Antique Blue-MD
	1	DMC	932	Antique Blue-LT
	1	DMC	939	Navy Blue-VY DK
	1	DMC	943	Bright Green-MD
	1	DMC	976	Golden Brown-MD
	1	DMC	0006	Driftwood-MD LT
	1	DMC	0009	Very Dark Cocoa
	1	DMC	0027	White Violet
	1	DMC	0030	Blueberry-MD LT
	1	DMC	0031	Blueberry
	1	DMC	0032	Blueberry-DK
	1	DMC	3012	Khaki Green-MD
	1	DMC	3041	Antique Violet-MD
	1	DMC	3042	Antique Violet-LT
	1	DMC	3047	Yellow Beige-LT
	1	DMC	3072	Beaver Gray-VY LT
	1	DMC	3348	Yellow Green-LT
	1	DMC	3363	Pine Green-MD
	1	DMC	3364	Pine Green
	1	DMC	3371	Black Brown
	1	DMC	3685	Mauve-DK
	1	DMC	3721	Shell Pink-DK
	1	DMC	3726	Antique Mauve-DK
	1	DMC	3740	Antique Violet-DK
	1	DMC	3743	Antique Violet-VY LT
	1	DMC	3750	Antique Blue-VY DK
	1	DMC	3752	Antique Blue-VY LT
	1	DMC	3753	Antique Blue-UL VY LT
	1	DMC	3756	Baby Blue-UL VY LT
	1	DMC	3766	Peacock Blue-LT
	1	DMC	3772	Desert Sand-VY DK
	1	DMC	3776	Mahogany-LT
	1	DMC	3787	Beige Gray-VY DK
	1	DMC	3799	Pewter Gray-VY DK
	1	DMC	3808	Turquoise-UL VY DK
	1	DMC	3809	Turquoise-VY DK
	1	DMC	3810	Turquoise-DK
	1	DMC	3813	Blue Green-LT
	1	DMC	3828	Hazelnut Brown
	1	DMC	3834	Grape-DK
	1	DMC	3836	Grape-LT
	1	DMC	3842	Wedgewood-DK
	1	DMC	3845	Bright Turquoise-MD
	1	DMC	3850	Bright Green-DK
	1	DMC	3858	Rosewood-MD
	1	DMC	3860	Cocoa
	1	DMC	3861	Cocoa-LT
	1	DMC	3862	Mocha Beige-DK
	1	DMC	3863	Mocha Beige-MD
	1	DMC	3864	Mocha Beige-LT

## Usage Summary

Strands Per Skein: 6  
Skein Length: 795.0 cm

Type	Number	Full	Half	Quarter	Petite	Back(cm)	Str(cm)	Spec(cm)	French	Bead	Skein Est.
DMC 154	154	10523	0	0	0	0.0	0.0	0.0	0	0	2.000
DMC 158	158	452	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 159	159	179	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 160	160	493	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 301	301	1233	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 310	310	7888	0	0	0	0.0	0.0	0.0	0	0	2.000
DMC 315	315	1312	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 317	317	2434	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 319	319	315	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 320	320	298	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 333	333	256	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 367	367	180	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 400	400	1602	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 434	434	722	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 435	435	1104	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 436	436	997	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 451	451	1932	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 501	501	587	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 520	520	493	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 524	524	775	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 612	612	834	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 613	613	377	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 640	640	692	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 647	647	1189	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 648	648	664	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 728	728	40	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 746	746	275	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 775	775	220	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 779	779	1793	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 780	780	336	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 782	782	477	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 783	783	75	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 796	796	242	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 801	801	727	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 814	814	8877	0	0	0	0.0	0.0	0.0	0	0	2.000
DMC 815	815	5910	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 823	823	2567	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 832	832	204	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 833	833	167	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 834	834	344	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 842	842	379	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 890	890	518	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 902	902	2163	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 909	909	294	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 911	911	104	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 918	918	3516	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 919	919	1131	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 927	927	392	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 928	928	653	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 931	931	887	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 932	932	316	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 939	939	6815	0	0	0	0.0	0.0	0.0	0	0	2.000
DMC 943	943	345	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 976	976	70	0	0	0	0.0	0.0	0.0	0	0	1.000

Type	Number	Full	Half	Quarter	Petite	Back(cm)	Str(cm)	Spec(cm)	French	Bead	Skein Est.
DMC 0006	462	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 0009	1760	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 0027	109	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 0030	300	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 0031	700	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 0032	1143	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3012	580	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3041	1703	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3042	1064	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3047	337	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3072	743	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3348	107	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3363	477	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3364	199	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3371	2429	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3685	3073	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3721	2151	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3726	926	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3740	1084	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3743	268	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3750	1230	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3752	305	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3753	252	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3756	459	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3766	74	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3772	2650	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3776	264	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3787	1209	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3799	2490	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3808	714	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3809	545	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3810	166	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3813	153	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3828	890	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3834	1001	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3836	531	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3842	292	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3845	69	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3850	329	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3858	2887	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3860	1568	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3861	2644	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3862	1559	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3863	866	0	0	0	0	0.0	0.0	0.0	0	0	1.000
DMC 3864	2370	0	0	0	0	0.0	0.0	0.0	0	0	1.000