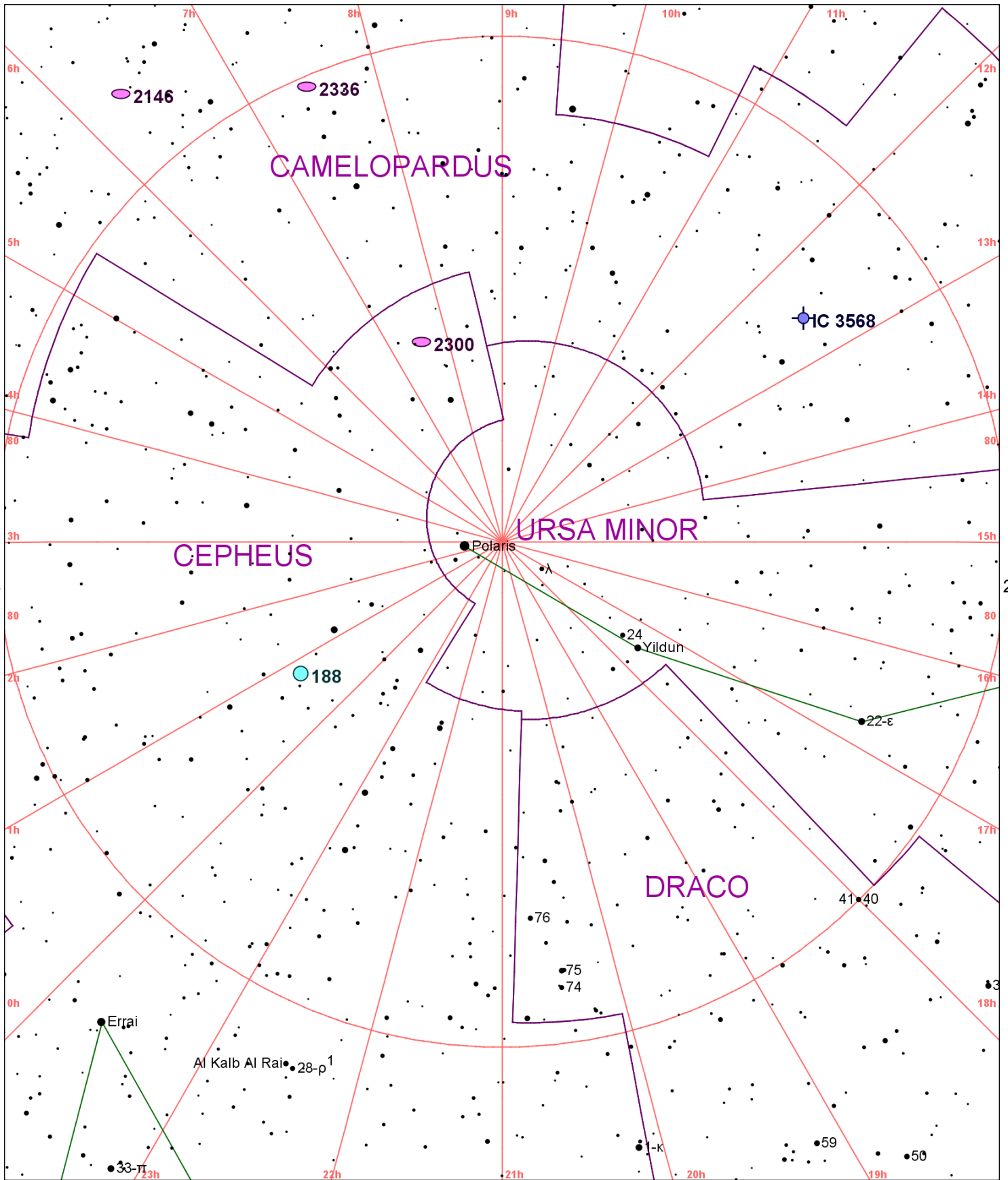


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Chart 1													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2146		CAM	10.6	GAL	5.7m x 3.3m	6h 18.6m	78° 21.0'				O		
					pB,2l,IE - extreme broad spiral arms;2 main smooth arms;1 w dark lane								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								

6

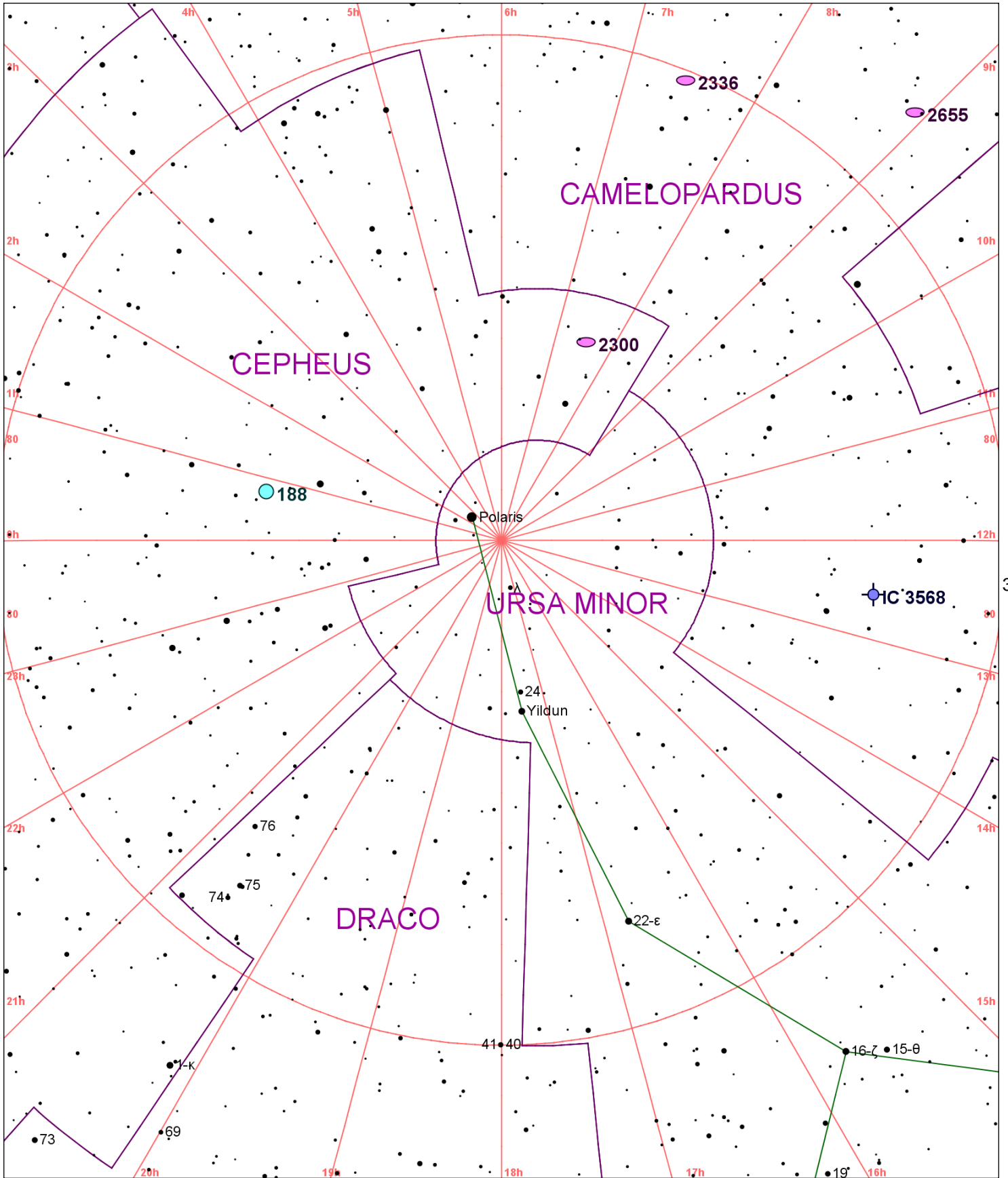
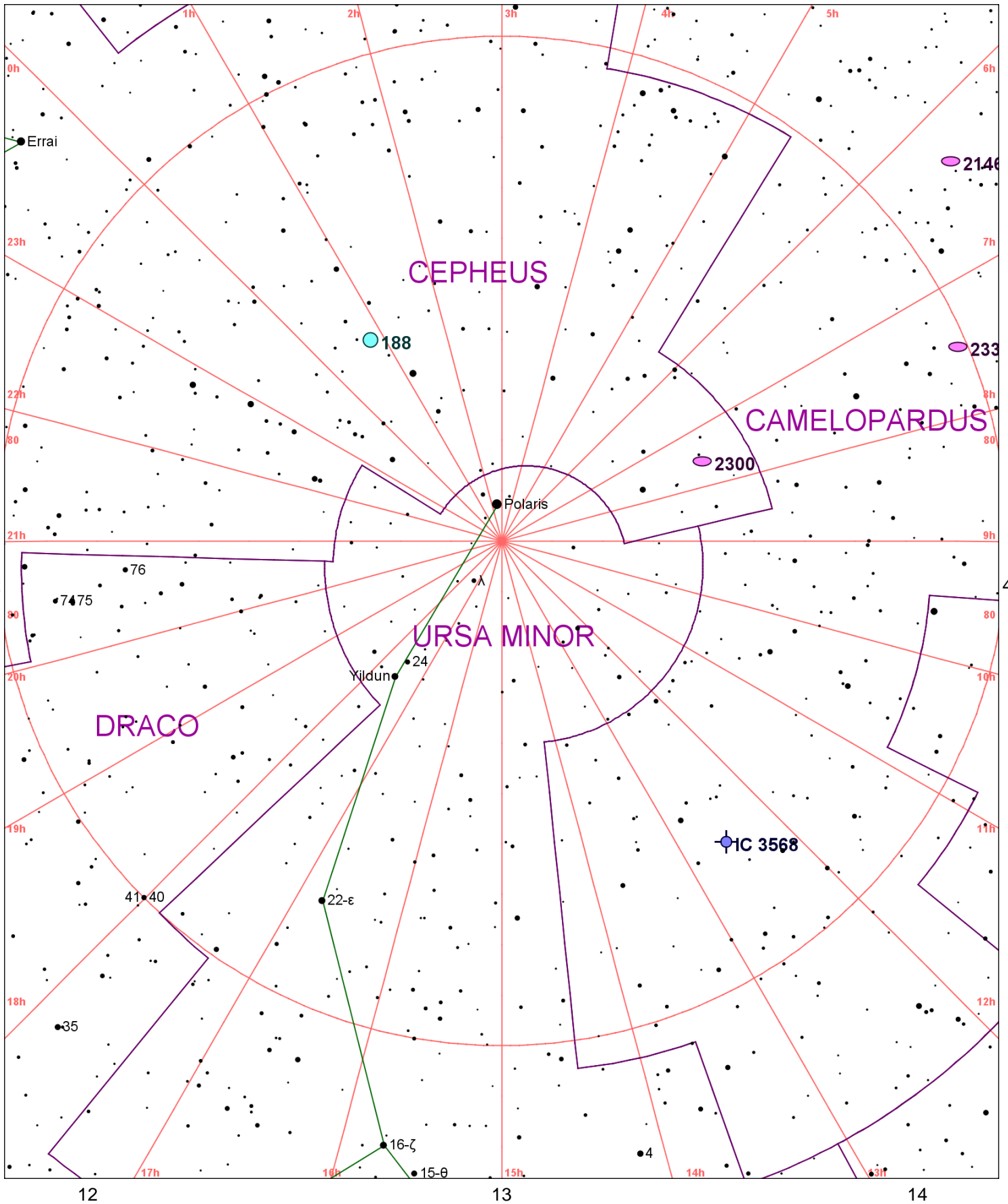


Chart 2													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								
NGC 2655		CAM	10.1	GAL	4.9m x 4.1m	8h 55.6m	78° 13.0'		R38	S11	O		
					vB,cL,IE 90,gsymbM,diff - H I 288;large nucleus w asym dk matter in lens;faint outer whirls								

7

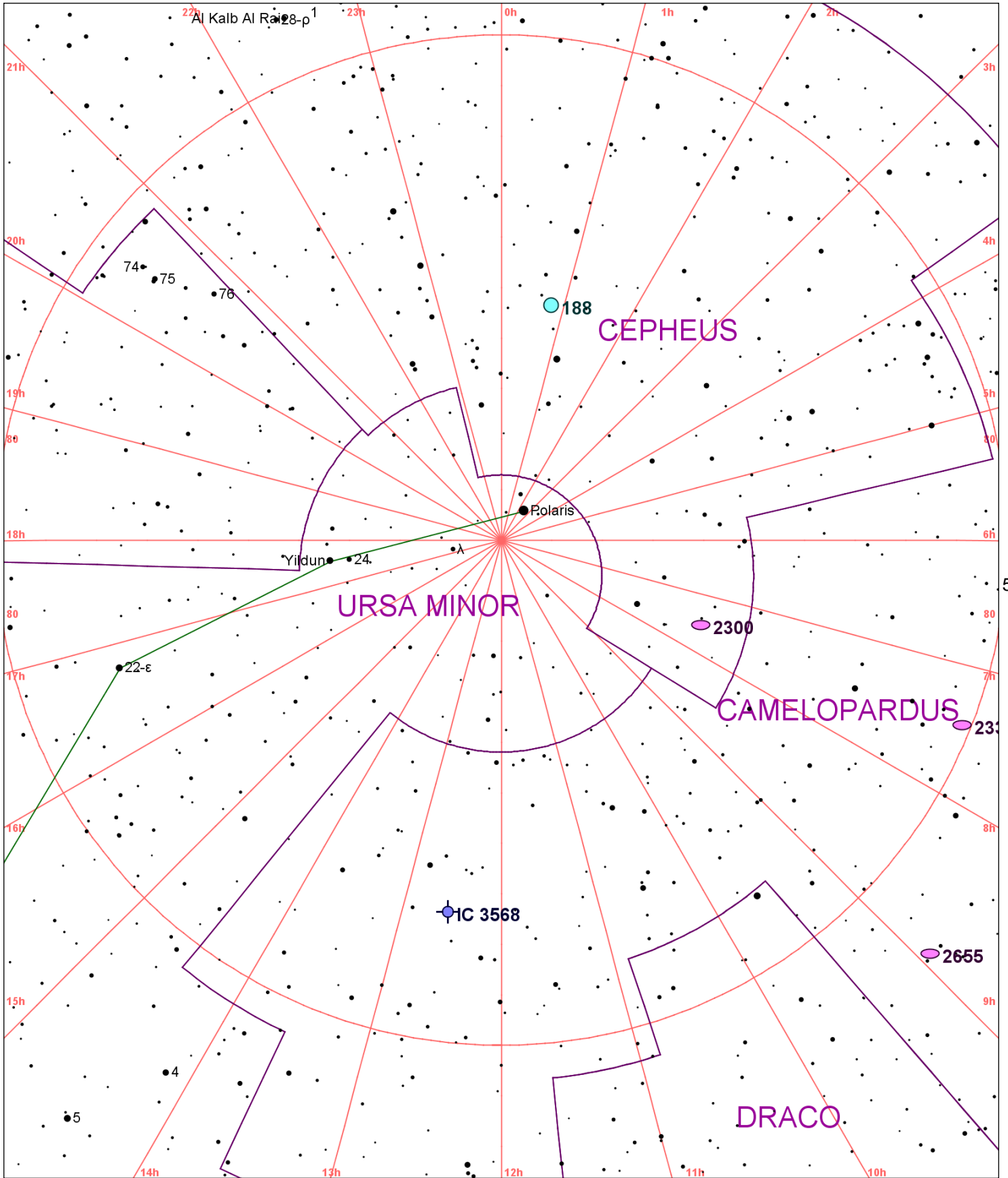


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Chart 3													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2146		CAM	10.6	GAL	5.7m x 3.3m	6h 18.6m	78° 21.0'				O		
					pB,2l,IE - extreme broad spiral arms;2 main smooth arms;1 w dark lane								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								

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Chart 4													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								
NGC 2655		CAM	10.1	GAL	4.9m x 4.1m	8h 55.6m	78° 13.0'		R38	S11	O		
					vB,cL,IE 90,gsymbM,diff - H I 288;large nucleus w asym dk matter in lens;faint outer whirls								



1

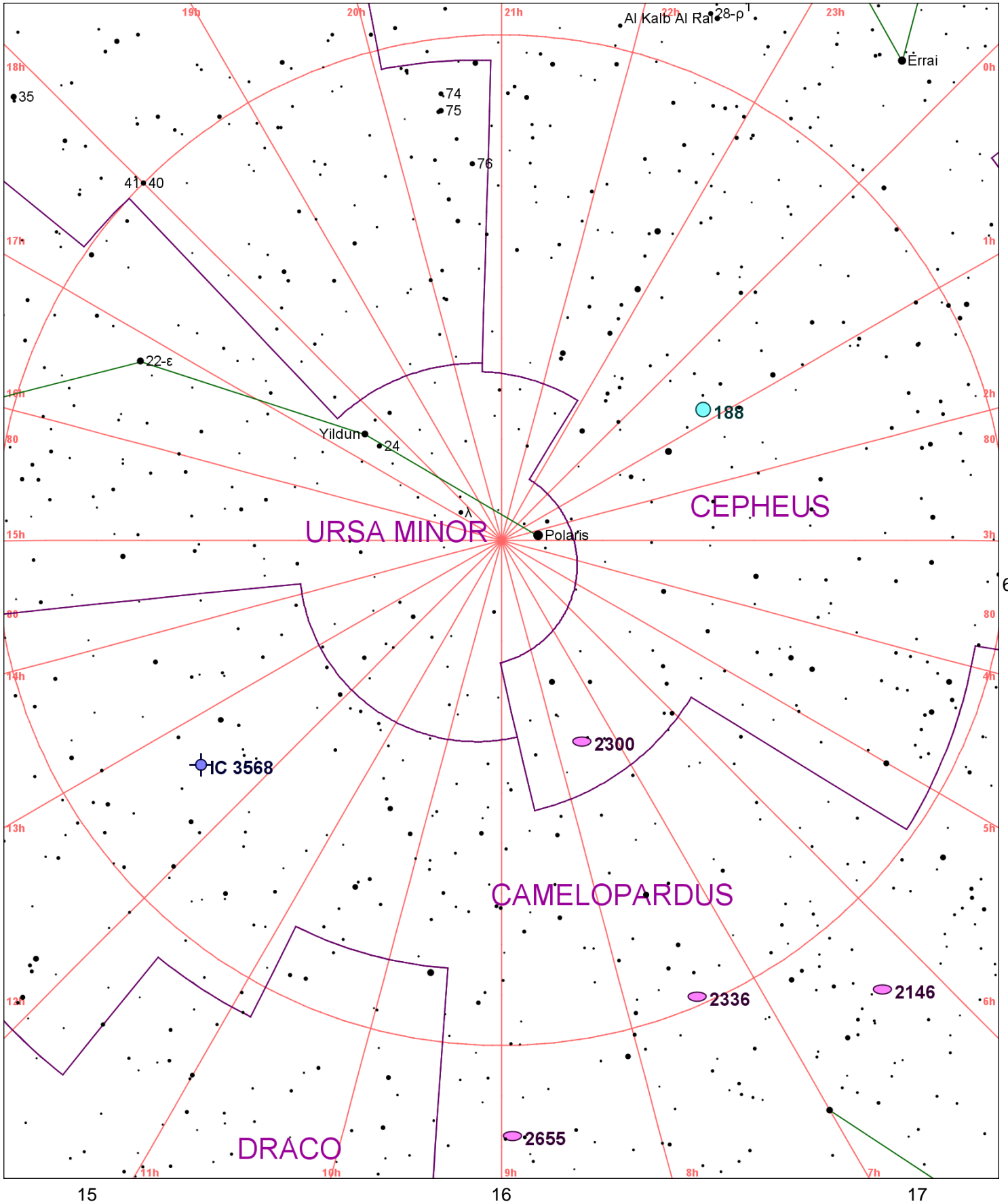
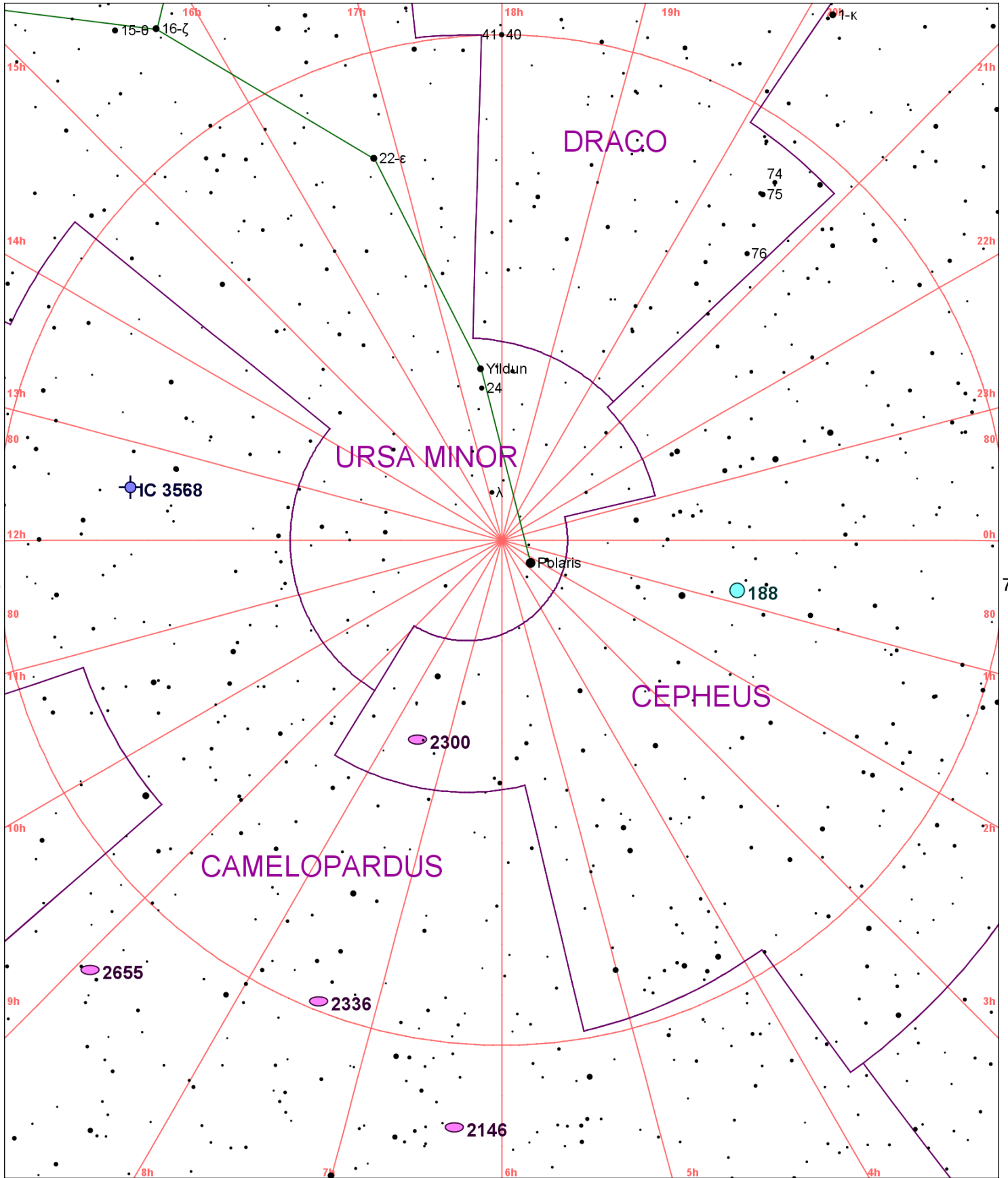


Chart 5													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2146		CAM	10.6	GAL	5.7m x 3.3m	6h 18.6m	78° 21.0'				O		
					pB,2l,IE - extreme broad spiral arms;2 main smooth arms;1 w dark lane								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								
NGC 2655		CAM	10.1	GAL	4.9m x 4.1m	8h 55.6m	78° 13.0'		R38	S11	O		
					vB,cL,IE 90,gsymbM,diff - H I 288;large nucleus w asym dk matter in lens;faint outer whirls								

2

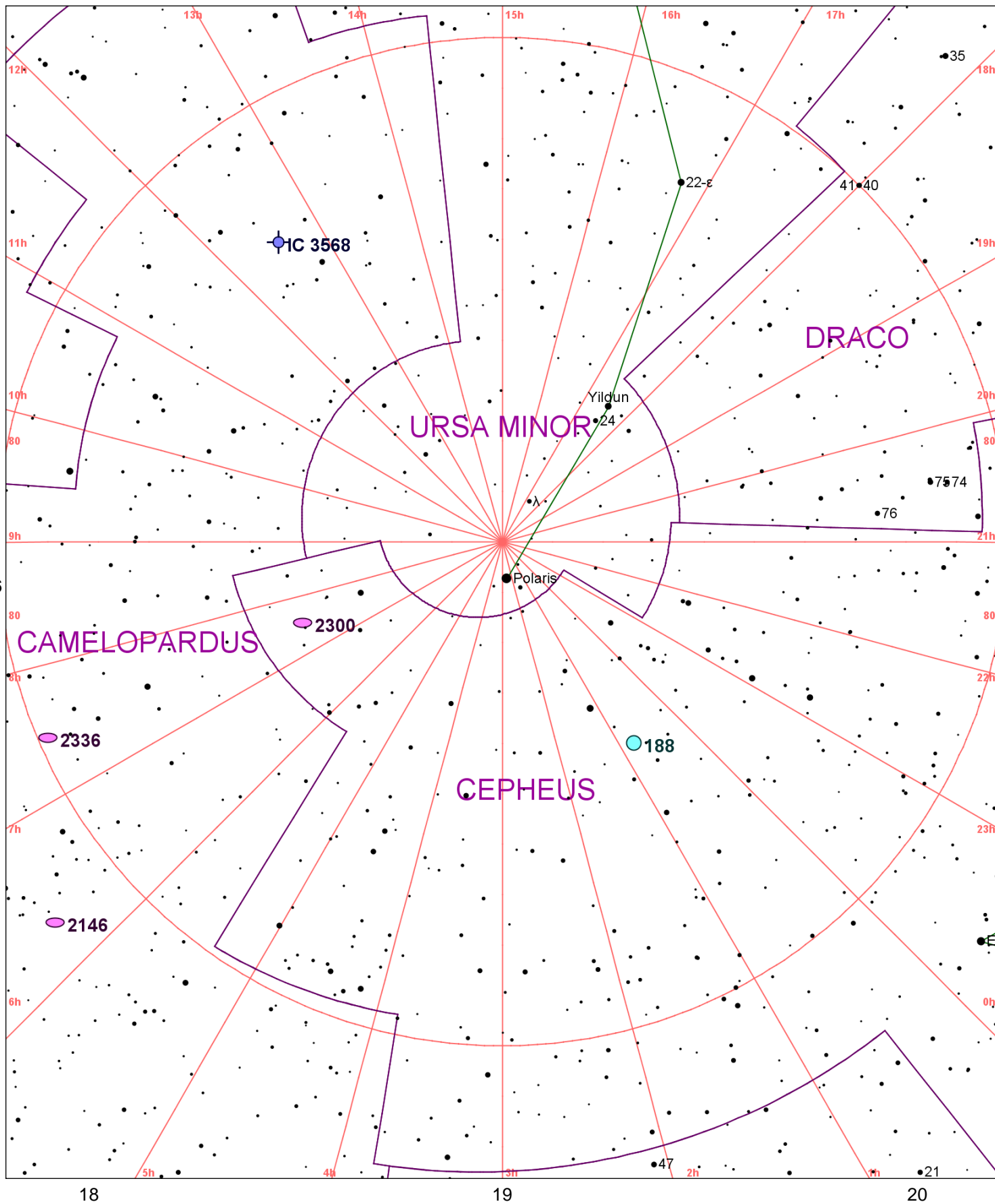


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Chart 6													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2146		CAM	10.6	GAL	5.7m x 3.3m	6h 18.6m	78° 21.0'				O		
					pB,2l,IE - extreme broad spiral arms;2 main smooth arms;1 w dark lane								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								
NGC 2655		CAM	10.1	GAL	4.9m x 4.1m	8h 55.6m	78° 13.0'		R38	S11	O		
					vB,cL,IE 90,gsymbM,diff - H I 288;large nucleus w asym dk matter in lens;faint outer whirls								

3

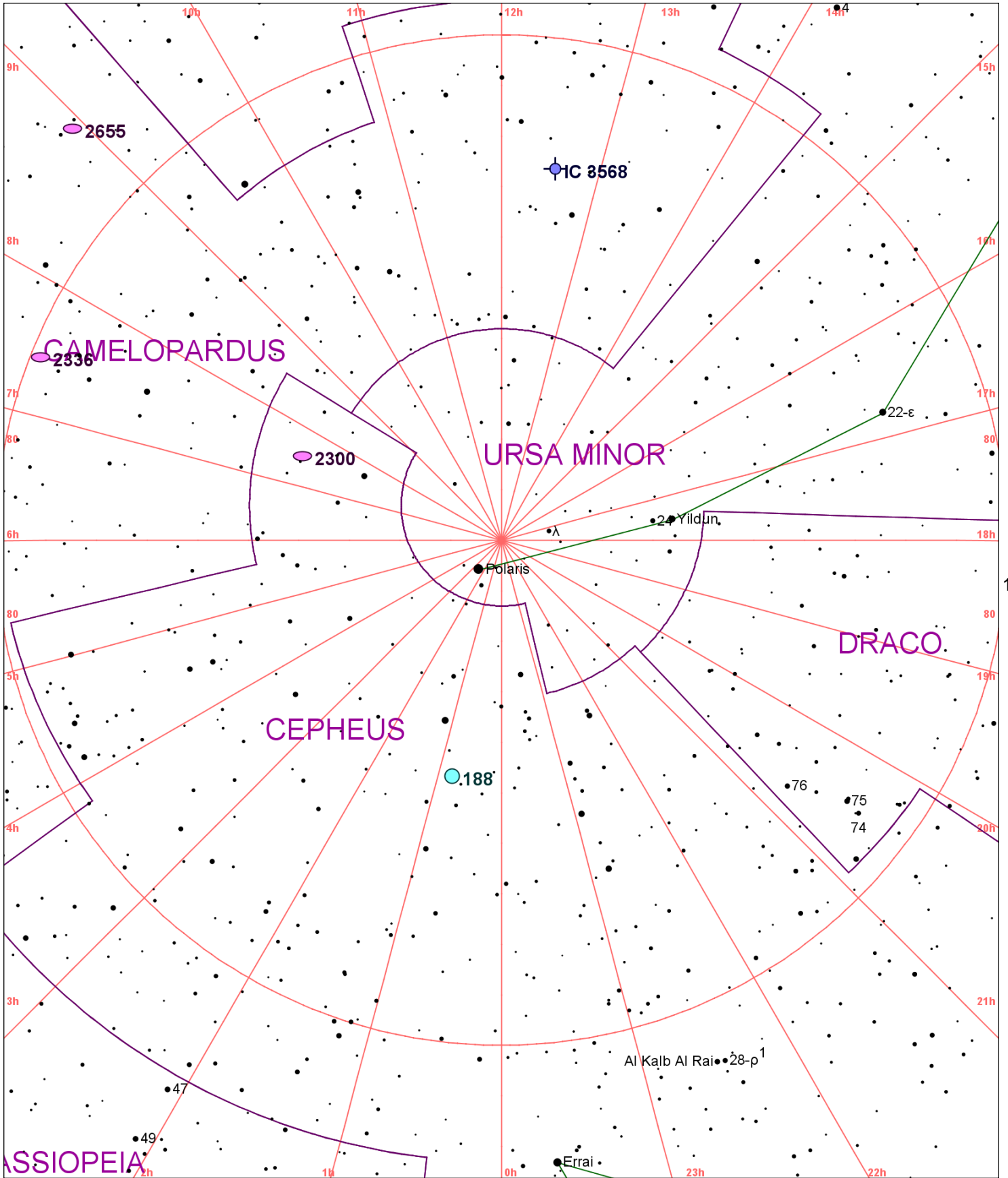


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Chart 7													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
planetary or neb *9.5,*13 p 15"													
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
Cl,vL,R,150-200 st 10...18													
NGC 2146		CAM	10.6	GAL	5.7m x 3.3m	6h 18.6m	78° 21.0'				O		
pB,2l,IE - extreme broad spiral arms;2 main smooth arms;1 w dark lane													
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN													
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467													

4



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Chart 8													
Name	M	Const.	Mag.	Type	Size	R.A.	Decl.	C	R	S	O	# Stars	B
<b>Common</b>					<b>Notes</b>								
IC 3568		CAM	11.6	PN	18s	12h 33.1m	82° 34.0'				O		
					planetary or neb *9.5,*13 p 15"								
NGC 188		CEP	8.1	OC	14.0m	0h 47.5m	85° 14.0'	C1			O	20	
					Cl,vL,R,150-200 st 10...18								
NGC 2300		CEP	11.0	GAL	3.5m x 2.4m	7h 32.3m	85° 43.0'						
					pB,pL,IE,bM - Pair with NGC 2276 at 6' and IC 1455 at 10'; vsBN								
NGC 2336		CAM	10.4	GAL	6.8m x 3.7m	7h 27.1m	80° 11.0'						
					pB,pL,R,2*11 nr - weak bar;many weak filam arms w knots; P w IC 467								
NGC 2655		CAM	10.1	GAL	4.9m x 4.1m	8h 55.6m	78° 13.0'		R38	S11	O		
					vB,cL,IE 90,gsymbM,diff - H I 288;large nucleus w asym dk matter in lens;faint outer whirls								