

### S Winter 12 Puppis (59 objects)

Object	Type	Mag	Size	Information
HR 2384	*A F2V *B *C F2V *D	5.97 6.15 7.98 8.73	AB 0.46" CD 0.37"	R06:29:49.03 D-50:14:20.7 <i>Puppis</i> WDS 06298-5014,SAO 234539
HR 2462	*A G8III *B	5.14 7.38	AB 13.54"	R06:38:37.64 D-48:13:12.6 <i>Puppis</i> WDS 06386-4813,SAO 218093
NGC 2298	GC	9.3	5.0'	R06:48:59.2 D-36:00:17 <i>Puppis</i> Type: VI
NGC 2310	GX	11.7	4.3'x0.8'	R06:53:53.8 D-40:51:49 <i>Puppis</i> Type: S0, SB: 12.9, mag_b: 12.7
NP Pup	* N0	6.00		R06:54:26.7 D-42:21:55.5 <i>Puppis</i> SAO 218296
HR 2667	*A G3V *B K0V *C *D	5.61 6.68 8.83 11.20	AB 21.25" AC 185.70" AD 33.32"	R07:03:57.32 D-43:36:28.9 <i>Puppis</i> WDS 07040-4337,SAO 218421
Collinder 135	OC	2.1	50.0'	R07:17:17 D-36:49:00 <i>Puppis</i>
Trumpler 7	OC		5.0'	R07:27:22 D-23:57:00 <i>Puppis</i>
NGC 2396	OC	7.4	10.0'	R07:28:00.0 D-11:43:00 <i>Puppis</i> Type: III3p
σ Pup	* K5	3.30		R07:29:13.9 D-43:18:05.3 <i>Puppis</i> SAO 218755
HR 2868	*A F7V *B *C *D *E *F	6.39 7.60 11.80 13.15 13.47 11.45	AB 1.80" AC 21.48" AD 66.89" AE 108.30" AF 1072.32"	R07:29:21.91 D-14:59:53.4 <i>Puppis</i> WDS 07294-1500,SAO 152943
Ruprecht 24	OC		5.0'	R07:31:53 D-12:45:49 <i>Puppis</i> 4-1-p-*
Bochum 6	OC	9.9	10.0'	R07:32:00 D-19:25:00 <i>Puppis</i>
NGC 2414	OC	7.9	6.0'	R07:33:12.8 D-15:27:14 <i>Puppis</i> Type: I3m
M 47	OC	4.4	25.0'	R07:36:35.0 D-14:28:47 <i>Puppis</i> Type: III2m

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HD 60997	*A B6V *B B6V *C *D *E *F *G B7IV/ *H *I *J *K *L *M *N *O *P *Q *R *S *T	6.92 7.30 13.00 9.55 9.88 11.34 7.66 9.44 6.67 8.58 13.65 14.56 12.64 15.75 9.03 8.68 10.49 12.19 11.73 12.01	AB 7.19" AC 17.91" AD 64.43" AE 72.26" AF 83.55" AG 84.01" AH 149.53" AI 164.73" AJ 195.75" AR 49.09" AS 113.04" AT 130.12" BE 69.43" CK 89.60" CL 26.17" CM 28.70" CN 62.85" DE 128.37" DH 213.47" EH 94.22" FC 101.21" GI 95.69" GJ 112.86" GO 97.75" HP 59.33" HQ 97.39"	R07:36:36.06 D-14:29:03.7 <i>Puppis</i> WDS 07366-1429,SAO 153142
NGC 2423	OC	6.7	12.0'	R07:37:06.7 D-13:52:17 <i>Puppis</i> Type: IV2m
Melotte 71	OC	7.1	7.0'	R07:37:30 D-12:04:00 <i>Puppis</i>
HR 2949	*A B6V *B B6V *C	4.40 4.62 13.70	AB 9.93" BC 7.18"	R07:38:49.88 D-26:48:14.0 <i>Puppis</i> WDS 07388-2648,SAO 174199
NGC 2439	OC	6.9	9.0'	R07:40:45.4 D-31:41:33 <i>Puppis</i> Type: II3m
NGC 2432	OC	10.2	7.0'	R07:40:53.0 D-19:04:36 <i>Puppis</i> Type: II1p
M 46	OC	6.1	20.0'	R07:41:46.8 D-14:48:36 <i>Puppis</i> Type: III2m
NGC 2438	PN	10.8	1.3'	R07:41:50.6 D-14:44:05 <i>Puppis</i> Type: PN, mag_b: 10.1
NGC 2440	PN	9.4	1.3'	R07:41:55.4 D-18:12:29 <i>Puppis</i> Type: PN, mag_b: 10.8

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Ruprecht 30	OC			R07:42:26.50 D-31:27:54.7 <i>Puppis</i>
M 93	OC	6.2	10.0'	R07:44:30.0 D-23:51:24 <i>Puppis</i> Type: IV1p
Ruprecht 32	OC	8.4	5.0'	R07:45:10 D-25:32:00 <i>Puppis</i>
NGC 2451	OC	2.8	50.0'	R07:45:15.0 D-37:58:00 <i>Puppis</i> Type: II2p
Haffner 15	OC	9.4	4.0'	R07:45:32 D-32:51:00 <i>Puppis</i>
Ruprecht 34	OC	9.5	9.0'	R07:45:56 D-20:23:24 <i>Puppis</i> 2-3-m-*
NGC 2452	PN	12.0	0.5'	R07:47:26.2 D-27:20:06 <i>Puppis</i> Type: PN, mag_b: 12.6
NGC 2453	OC	8.3	4.0'	R07:47:34.1 D-27:11:41 <i>Puppis</i> Type: I2p
NGC 2455	OC	10.2	15.0'	R07:49:00.0 D-21:18:06 <i>Puppis</i> Type: III2p
NGC 2477	OC	5.8	20.0'	R07:52:10.0 D-38:31:48 <i>Puppis</i> Type: I3r
NGC 2467	OC	7.1	15.0'	R07:52:26.0 D-26:26:12 <i>Puppis</i> Type: OCL+EN
NGC 2479	OC	9.6	11.0'	R07:55:06.0 D-17:42:28 <i>Puppis</i> Type: III1m
NGC 2482	OC	7.3	10.0'	R07:55:12.0 D-24:15:30 <i>Puppis</i> Type: III1m
NGC 2483	OC	7.6	9.0'	R07:55:39.0 D-27:53:42 <i>Puppis</i> Type: OCL
Trumpler 9	OC	8.7	5.0'	R07:55:40 D-25:53:00 <i>Puppis</i>
NGC 2489	OC	7.9	5.0'	R07:56:15.9 D-30:03:51 <i>Puppis</i> Type: II2m
Ruprecht 44	OC	7.2	10.0'	R07:58:51 D-28:35:00 <i>Puppis</i>
NGC 2509	OC	9.3	12.0'	R08:00:47.8 D-19:03:02 <i>Puppis</i> Type: II1p
Ruprecht 47	OC	9.6	4.0'	R08:02:19 D-31:04:00 <i>Puppis</i>
V336 Pup	* B9	5.50		R08:02:44.8 D-41:18:36.0 <i>Puppis</i> SAO 219339
NGC 2527	OC	6.5	10.0'	R08:04:58.1 D-28:08:46 <i>Puppis</i> Type: III1p
NGC 2525	GX	11.6	3.0'x2.0'	R08:05:38.0 D-11:25:39 <i>Puppis</i> Type: SBc/P, SB: 13.4, mag_b: 12.3

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HR 3177	*A G11b *B *C	6.26 8.44 11.00	AB 21.93" AC 27.79" BC 13.55"	R08:05:44.88 D-33:34:09.9 <i>Puppis</i> WDS 08057-3334,SAO 198791
NGC 2533	OC	7.6	6.0'	R08:07:04.0 D-29:53:00 <i>Puppis</i> Type: III1p
NGC 2539	OC	6.5	15.0'	R08:10:36.9 D-12:49:14 <i>Puppis</i> Type: II1m
NGC 2546	OC	6.3	70.0'	R08:12:15.0 D-37:35:42 <i>Puppis</i> Type: III2m
Ruprecht 56	OC		39.0'	R08:12:33 D-40:28:00 <i>Puppis</i> 3-2-m-*
M7 Y Pup	*	9.06		R08:13:18.46 D-35:12:09.2 <i>Puppis</i>
NGC 2568	OC	10.7	3.0'	R08:18:18.1 D-37:06:19 <i>Puppis</i> Type: I3p
NGC 2567	OC	7.4	11.0'	R08:18:32.0 D-30:38:24 <i>Puppis</i> Type: III2m
NGC 2571	OC	7.0	7.0'	R08:18:56.3 D-29:44:57 <i>Puppis</i> Type: IV1p
Ruprecht 59	OC	9.0	3.0'	R08:19:21 D-34:29:00 <i>Puppis</i>
NGC 2579	OC	7.5	19.0'	R08:20:52.7 D-36:12:58 <i>Puppis</i> Type: IV1p
NGC 2587	OC	9.2	10.0'	R08:23:24.0 D-29:30:31 <i>Puppis</i> Type: II1p
Collinder 187	OC	9.6	5.0'	R08:24:13 D-29:10:00 <i>Puppis</i> 3-1-p-*