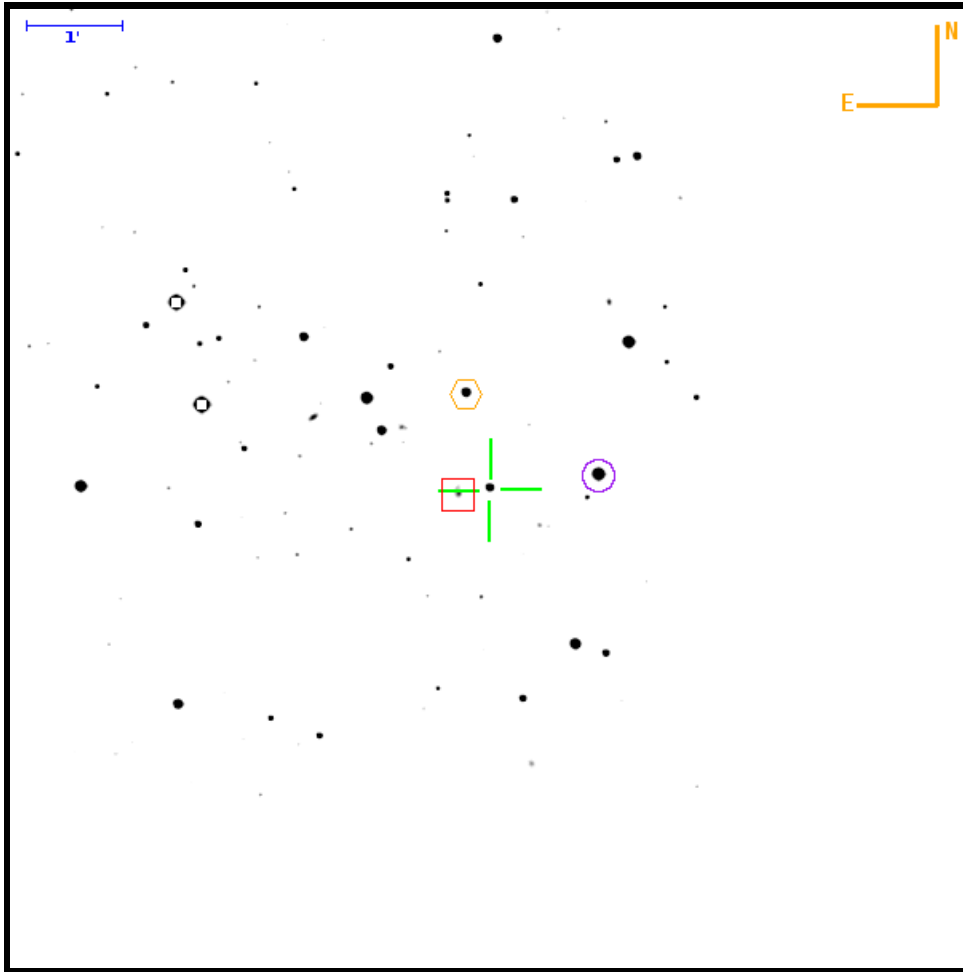


Finding Chart for PTFS1115ag

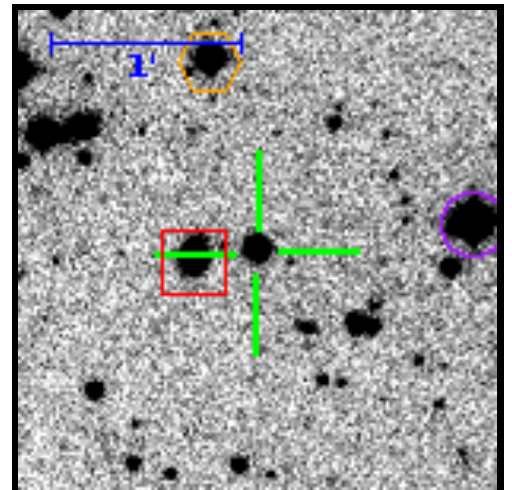
RA=15:44:53.62 DEC=+25:53:48.9



Target (green cross)		
RA	15:44:53.62 236.22340500	(J2000)
DEC	+25:53:48.9 25.89690300	
Med Mag	16.48 ± 0.48	R-band
Ref Mag	16.35 ± 0.03	R-band
Offset Star S1 (red box)		
RA	15:44:55.11 236.22964422	(J2000)
DEC	+25:53:45.7 25.89603239	
Med Mag	17.74 ± 0.06	R-band
Ref Mag	17.70 ± 0.01	R-band
Distance	20.4"	
Offset Star S2 (orange hex)		
RA	15:44:54.70 236.22789787	(J2000)
DEC	+25:54:49.2 25.91365692	
Med Mag	15.78 ± 0.01	R-band
Ref Mag	15.78 ± 0.01	R-band
Distance	62.0"	
Offset Star S3 (purple circle)		
RA	15:44:48.52 236.20216293	(J2000)
DEC	+25:53:56.8 25.89911932	
Med Mag	14.17 ± 0.01	R-band
Ref Mag	14.17 ± 0.01	R-band
Distance	69.3"	

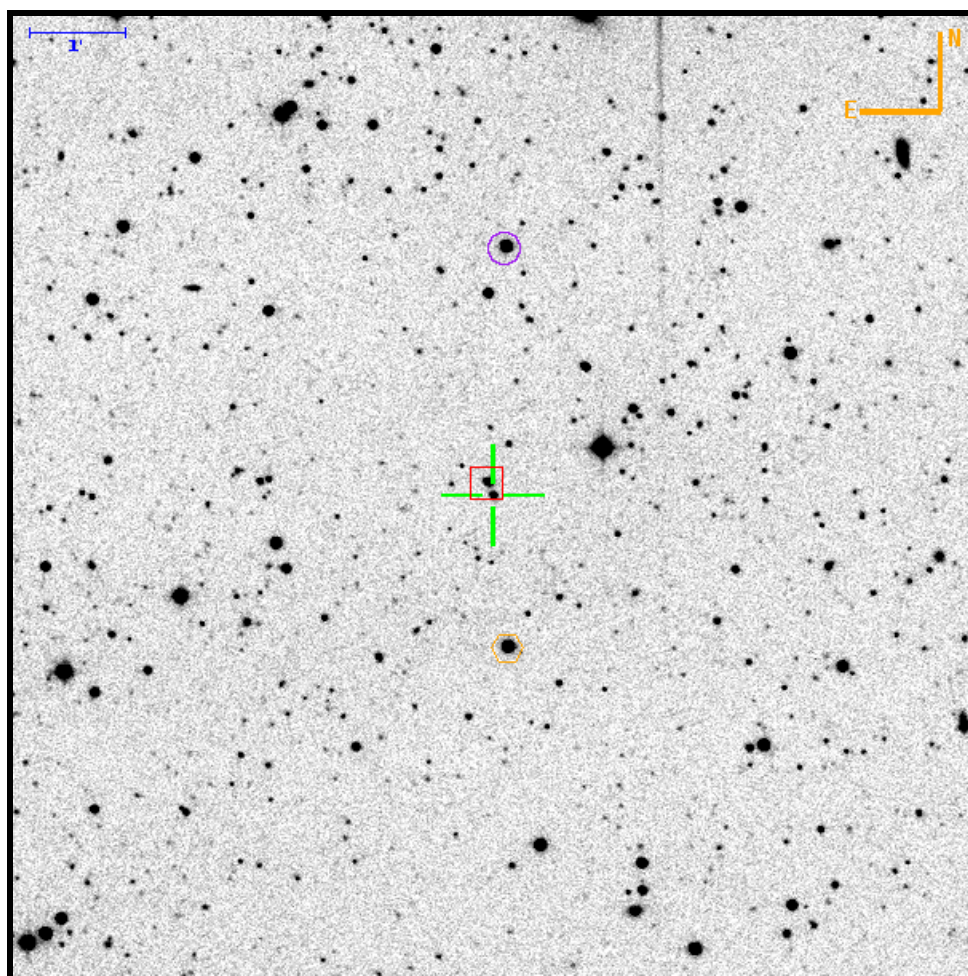
Theoretical 5 σ limiting magnitude: 22.98. Filter: R. PTF field: 02 / 003884 / 02.

		To			
From		Target	box	hex	circle
	Target	0	20.21" E 3.13" S	14.55" E 60.31" N	68.79" W 7.98" N
	box	20.21" W 3.13" N	0	5.66" W 63.45" N	89.00" W 11.11" N
	hex	14.55" W 60.31" S	5.65" E 63.45" S	0	83.33" W 52.34" S
	circle	68.79" E 7.98" S	89.00" E 11.11" S	83.34" E 52.34" N	0



Finding Chart for PTFS1115an

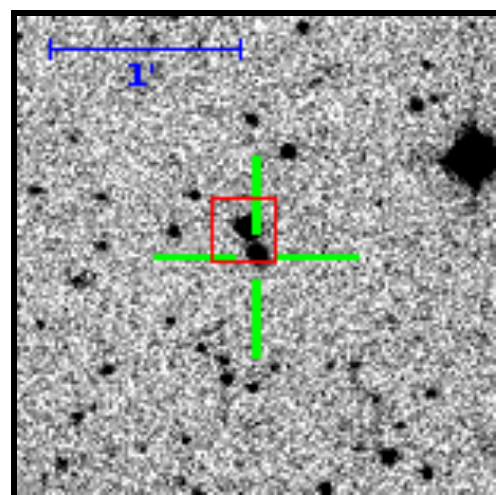
RA=15:56:56.92 DEC=+35:23:36.7



Theoretical 5 σ limiting magnitude: 23.18. Filter: R. PTF field: 02 / 004247 / 04.

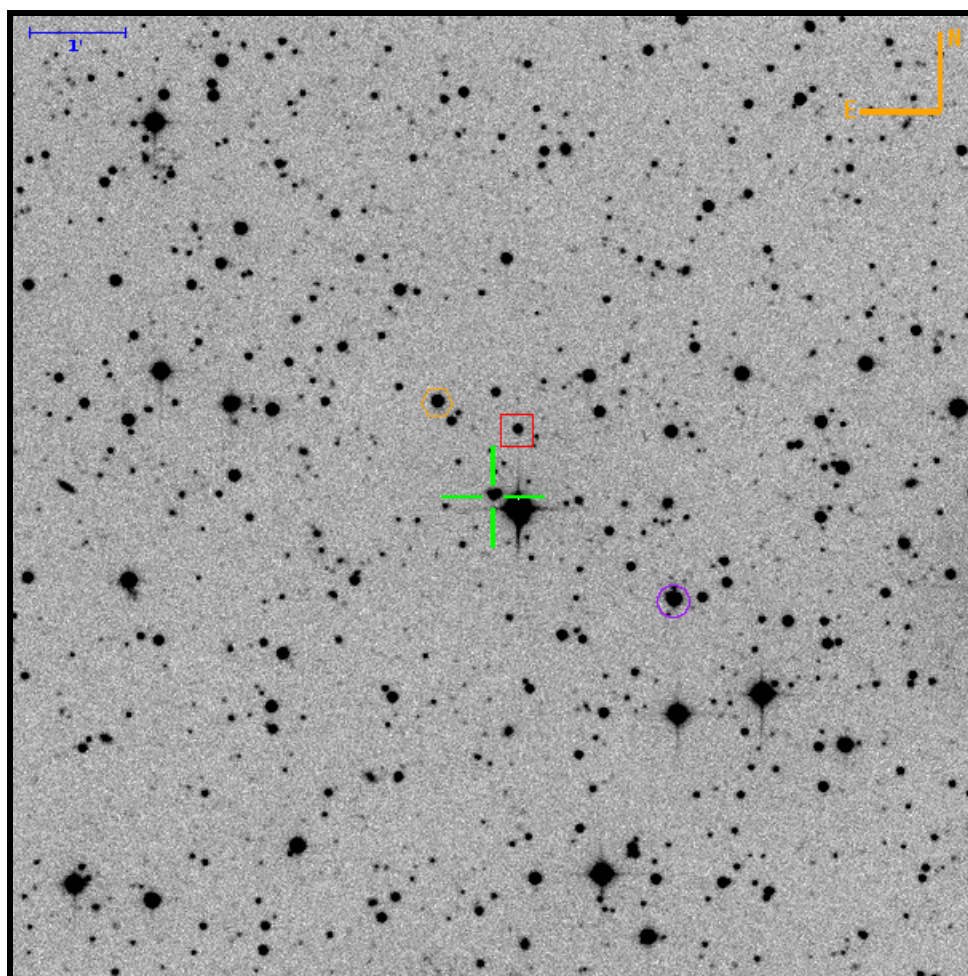
Target (green cross)		
RA	15:56:56.92 239.23716400	(J2000)
DEC	+35:23:36.7 35.39353300	
Med Mag	18.79 ± 0.61	R-band
Ref Mag	18.39 ± 0.07	R-band
Offset Star S1 (red box)		
RA	15:56:57.21 239.23835535	(J2000)
DEC	+35:23:44.9 35.39580871	
Med Mag	18.44 ± 0.06	R-band
Ref Mag	18.43 ± 0.07	R-band
Distance	8.9"	
Offset Star S2 (orange hex)		
RA	15:56:56.16 239.23400881	(J2000)
DEC	+35:22:02.1 35.36723789	
Med Mag	15.73 ± 0.01	R-band
Ref Mag	15.76 ± 0.07	R-band
Distance	95.1"	
Offset Star S3 (purple circle)		
RA	15:56:56.30 239.23459726	(J2000)
DEC	+35:26:12.6 35.43684507	
Med Mag	15.73 ± 0.01	R-band
Ref Mag	15.76 ± 0.07	R-band
Distance	156.1"	

		To			
From		Target	box	hex	circle
	Target	0	3.50" E 8.19" N	9.26" W 94.66" S	7.53" W 155.92" N
	box	3.50" W 8.19" S	0	12.76" W 102.85" S	11.03" W 147.73" N
	hex	9.26" E 94.66" N	12.76" E 102.85" N	0	1.73" E 250.59" N
	circle	7.53" E 155.92" S	11.02" E 147.73" S	1.73" W 250.59" S	0



Finding Chart for PTFS1116ci

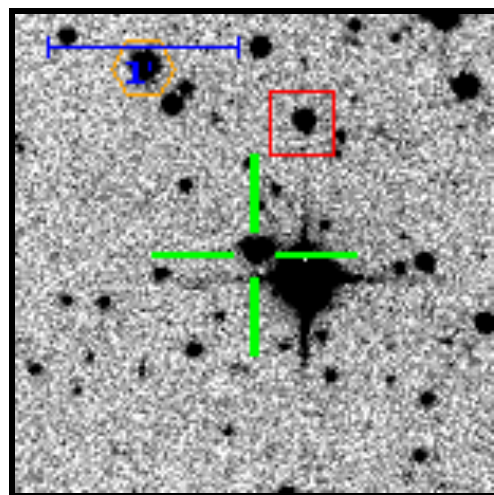
RA=16:53:59.05 DEC=+20:10:10.6



Theoretical 5 σ limiting magnitude: 22.82. Filter: R. PTF field: 02 / 003597 / 02.

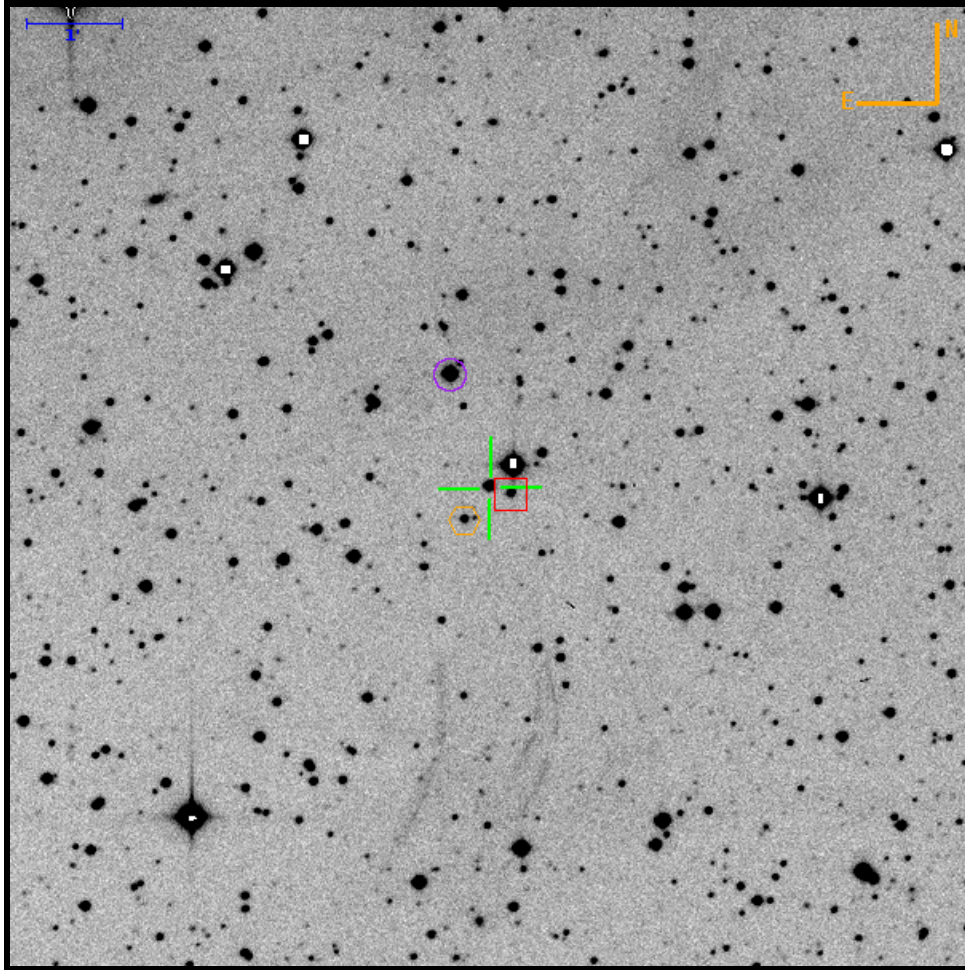
Target (green cross)		
RA	16:53:59.05 253.49605000	(J2000)
DEC	+20:10:10.6 20.16960800	
Med Mag	17.74 ± 0.70	R-band
Ref Mag	17.66 ± 0.01	R-band
Offset Star S1 (red box)		
RA	16:53:57.97 253.49153521	(J2000)
DEC	+20:10:52.3 20.18118406	
Med Mag	17.92 ± 0.04	R-band
Ref Mag	17.90 ± 0.01	R-band
Distance	44.4"	
Offset Star S2 (orange hex)		
RA	16:54:01.54 253.50640455	(J2000)
DEC	+20:11:09.6 20.18599416	
Med Mag	16.21 ± 0.03	R-band
Ref Mag	16.23 ± 0.01	R-band
Distance	68.6"	
Offset Star S3 (purple circle)		
RA	16:53:51.02 253.46256673	(J2000)
DEC	+20:09:05.6 20.15154477	
Med Mag	15.18 ± 0.02	R-band
Ref Mag	15.17 ± 0.01	R-band
Distance	130.5"	

		To			
From		Target	box	hex	circle
	Target	0	15.26" W 41.67" N	34.99" E 58.99" N	113.15" W 65.03" S
	box	15.26" E 41.67" S	0	50.24" E 17.32" N	97.88" W 106.70" S
	hex	34.99" W 58.99" S	50.24" W 17.32" S	0	148.12" W 124.02" S
	circle	113.16" E 65.03" N	97.90" E 106.70" N	148.16" E 124.02" N	0



Finding Chart for PTFS1516bi

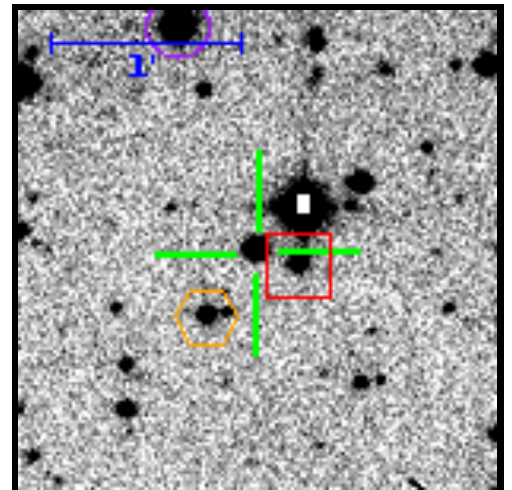
RA=16:26:09.69 DEC=-03:53:25.4



Theoretical 5 σ limiting magnitude: 22.08. Filter: R. PTF field: 02 / 002558 / 11.

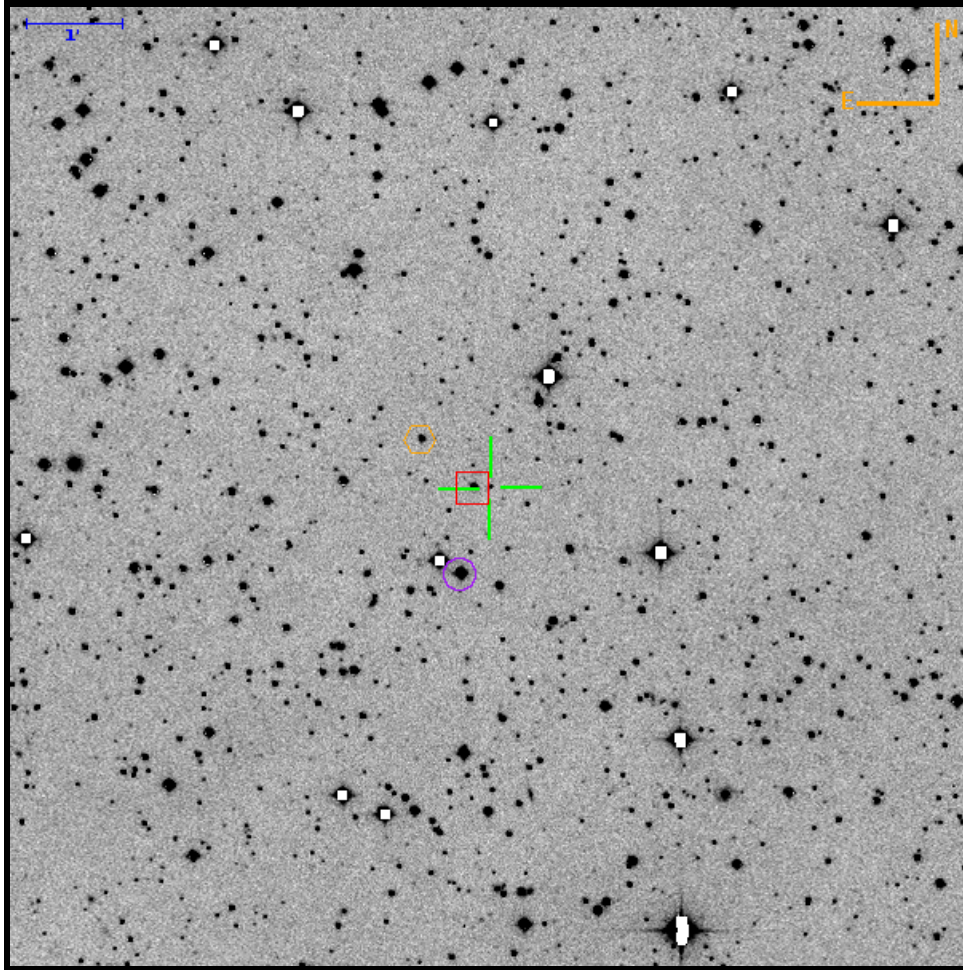
Target (green cross)		
RA	16:26:09.69 246.54038500	(J2000)
DEC	-03:53:25.4 -3.89038200	
Med Mag	16.10 ± 0.50	R-band
Ref Mag	16.62 ± 0.09	R-band
Offset Star S1 (red box)		
RA	16:26:08.79 246.53664045	(J2000)
DEC	-03:53:29.8 -3.89161842	
Med Mag	17.43 ± 0.02	R-band
Ref Mag	17.53 ± 0.02	R-band
Distance	14.2"	
Offset Star S2 (orange hex)		
RA	16:26:10.77 246.54487211	(J2000)
DEC	-03:53:46.3 -3.89619813	
Med Mag	17.81 ± 0.04	R-band
Ref Mag	17.89 ± 0.02	R-band
Distance	26.4"	
Offset Star S3 (purple circle)		
RA	16:26:11.35 246.54727214	(J2000)
DEC	-03:52:14.4 -3.87066047	
Med Mag	14.51 ± 0.01	R-band
Ref Mag	14.60 ± 0.02	R-band
Distance	75.2"	

		To			
From		Target	box	hex	circle
	Target	0	13.45" W 4.45" S	16.12" E 20.94" S	24.74" E 71.00" N
	box	13.45" E 4.45" N	0	29.57" E 16.49" S	38.19" E 75.45" N
	hex	16.12" W 20.94" N	29.57" W 16.49" N	0	8.62" E 91.94" N
	circle	24.74" W 71.00" S	38.19" W 75.45" S	8.62" W 91.94" S	0



Finding Chart for PTFS1716bd

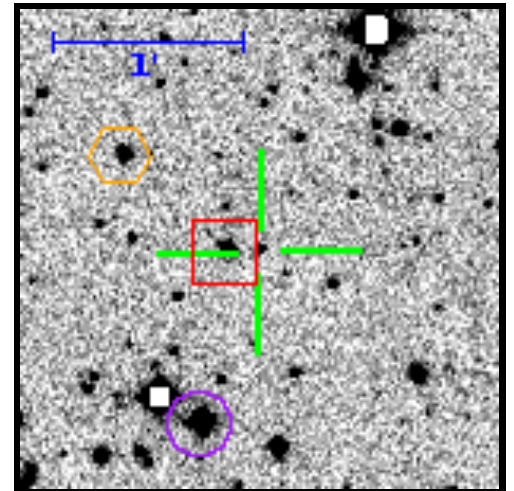
RA=16:26:19.83 DEC=-12:55:57.0



Target (green cross)		
RA	16:26:19.83 246.58261800	(J2000)
DEC	-12:55:57.0 -12.93249500	
Med Mag	20.31 ± 0.27	R-band
Offset Star S1 (red box)		
RA	16:26:20.56 246.58567135	(J2000)
DEC	-12:55:57.7 -12.93268244	
Med Mag	17.25 ± 0.02	R-band
Distance	10.7"	
Offset Star S2 (orange hex)		
RA	16:26:22.82 246.59507861	(J2000)
DEC	-12:55:26.9 -12.92415243	
Med Mag	17.69 ± 0.02	R-band
Distance	53.0"	
Offset Star S3 (purple circle)		
RA	16:26:21.12 246.58799631	(J2000)
DEC	-12:56:51.9 -12.94776120	
Med Mag	15.07 ± 0.01	R-band
Distance	58.1"	

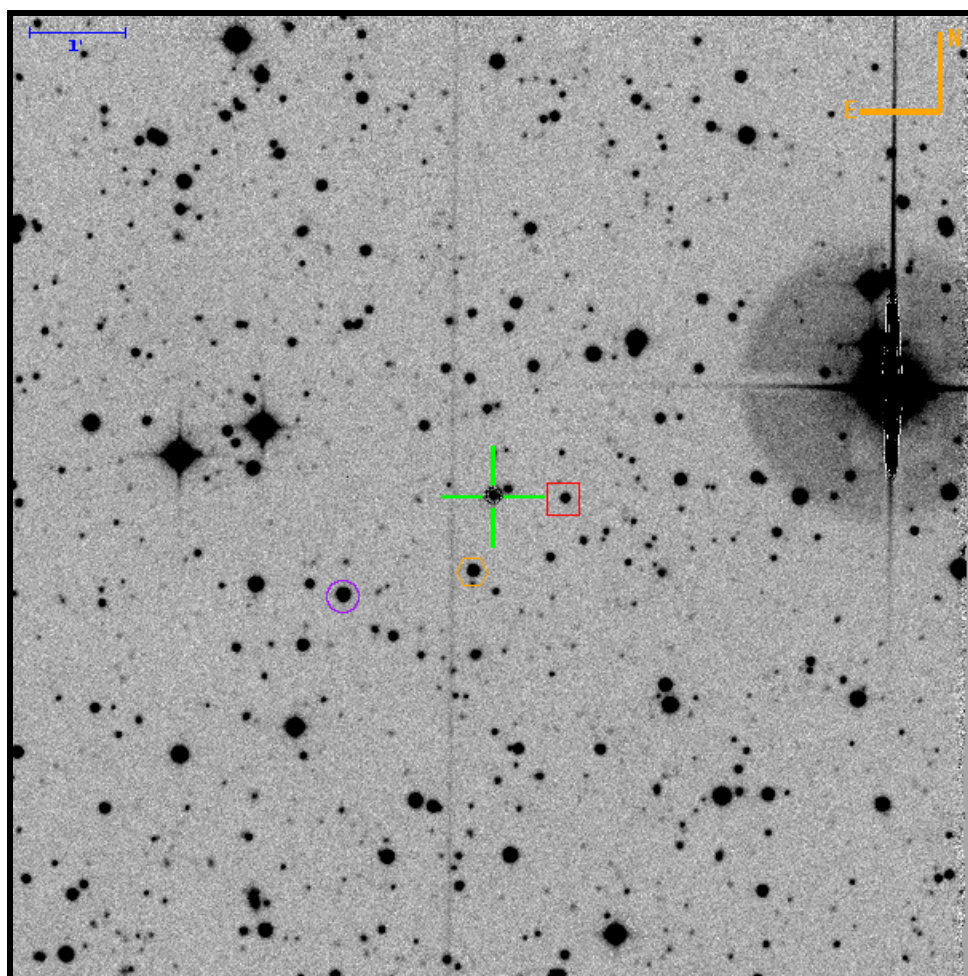
Theoretical 5 σ limiting magnitude: 22.56. Filter: R. PTF field: 02 / 002140 / 09.

		To			
From		Target	box	hex	circle
	Target	0	10.71" E 0.67" S	43.72" E 30.03" N	18.87" E 54.96" S
	box	10.71" W 0.67" N	0	33.01" E 30.71" N	8.16" E 54.28" S
	hex	43.72" W 30.03" S	33.01" W 30.71" S	0	24.85" W 84.99" S
	circle	18.87" W 54.96" N	8.16" W 54.28" N	24.85" E 84.99" N	0



Finding Chart for PTFS1117b

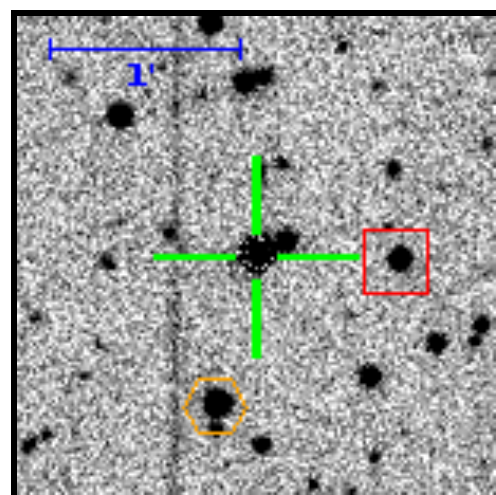
RA=17:02:13.26 DEC=+32:29:54.0



Theoretical 5 σ limiting magnitude: 22.84. Filter: R. PTF field: 02 / 004164 / 07.

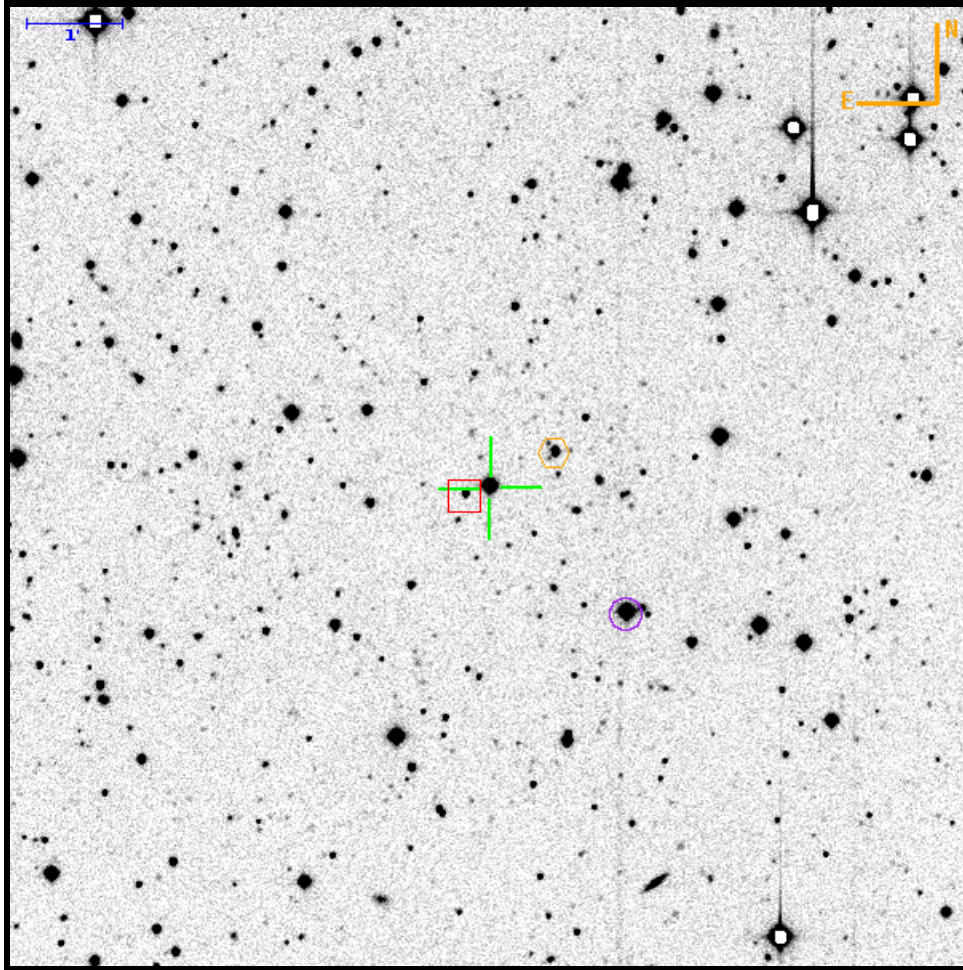
Target (green cross)		
RA	17:02:13.26 255.55526700	(J2000)
DEC	+32:29:54.0 32.49832200	
Med Mag	17.87 ± 1.38	R-band
Ref Mag	17.78 ± 0.01	R-band
Offset Star S1 (red box)		
RA	17:02:09.71 255.54047177	(J2000)
DEC	+32:29:52.2 32.49783001	
Med Mag	18.30 ± 0.04	R-band
Ref Mag	18.26 ± 0.02	R-band
Distance	45.0"	
Offset Star S2 (orange hex)		
RA	17:02:14.26 255.55943121	(J2000)
DEC	+32:29:06.9 32.48524704	
Med Mag	16.76 ± 0.02	R-band
Ref Mag	16.76 ± 0.01	R-band
Distance	48.7"	
Offset Star S3 (purple circle)		
RA	17:02:20.70 255.58625260	(J2000)
DEC	+32:28:52.0 32.48110401	
Med Mag	15.87 ± 0.01	R-band
Ref Mag	15.87 ± 0.01	R-band
Distance	112.7"	

		To			
From		Target	box	hex	circle
	Target	0	44.92" W 1.77" S	12.64" E 47.07" S	94.08" E 61.98" S
	box	44.92" E 1.77" N	0	57.57" E 45.30" S	139.00" E 60.21" S
	hex	12.65" W 47.07" N	57.57" W 45.30" N	0	81.45" E 14.91" S
	circle	94.10" W 61.98" N	139.03" W 60.21" N	81.45" W 14.91" N	0



Finding Chart for PTFS1518ek

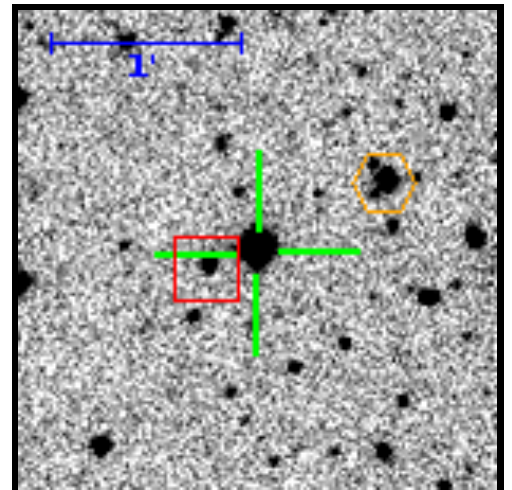
RA=18:04:14.32 DEC=+67:54:12.4



Theoretical 5 σ limiting magnitude: 22.46. Filter: R. PTF field: 02 / 005212 / 08.

Target (green cross)		
RA	18:04:14.32 271.05967100	(J2000)
DEC	+67:54:12.4 67.90345400	
Med Mag	14.43 ± 0.46	R-band
Ref Mag	14.45 ± 0.03	R-band
Offset Star S1 (red box)		
RA	18:04:17.04 271.07098114	(J2000)
DEC	+67:54:07.4 67.90206280	
Med Mag	18.09 ± 0.06	R-band
Ref Mag	18.08 ± 0.01	R-band
Distance	16.1"	
Offset Star S2 (orange hex)		
RA	18:04:06.94 271.02893053	(J2000)
DEC	+67:54:33.3 67.90924288	
Med Mag	16.72 ± 0.02	R-band
Ref Mag	16.72 ± 0.01	R-band
Distance	46.5"	
Offset Star S3 (purple circle)		
RA	18:03:59.27 270.99695363	(J2000)
DEC	+67:52:51.0 67.88083882	
Med Mag	14.15 ± 0.02	R-band
Ref Mag	14.15 ± 0.02	R-band
Distance	117.7"	

		To			
From		Target	box	hex	circle
	Target	0	15.32" E 5.01" S	41.63" W 20.84" N	84.93" W 81.41" S
	box	15.32" W 5.01" N	0	56.95" W 25.85" N	100.25" W 76.41" S
	hex	41.62" E 20.84" S	56.93" E 25.85" S	0	43.29" W 102.25" S
	circle	85.01" E 81.41" N	100.35" E 76.41" N	43.35" E 102.25" N	0

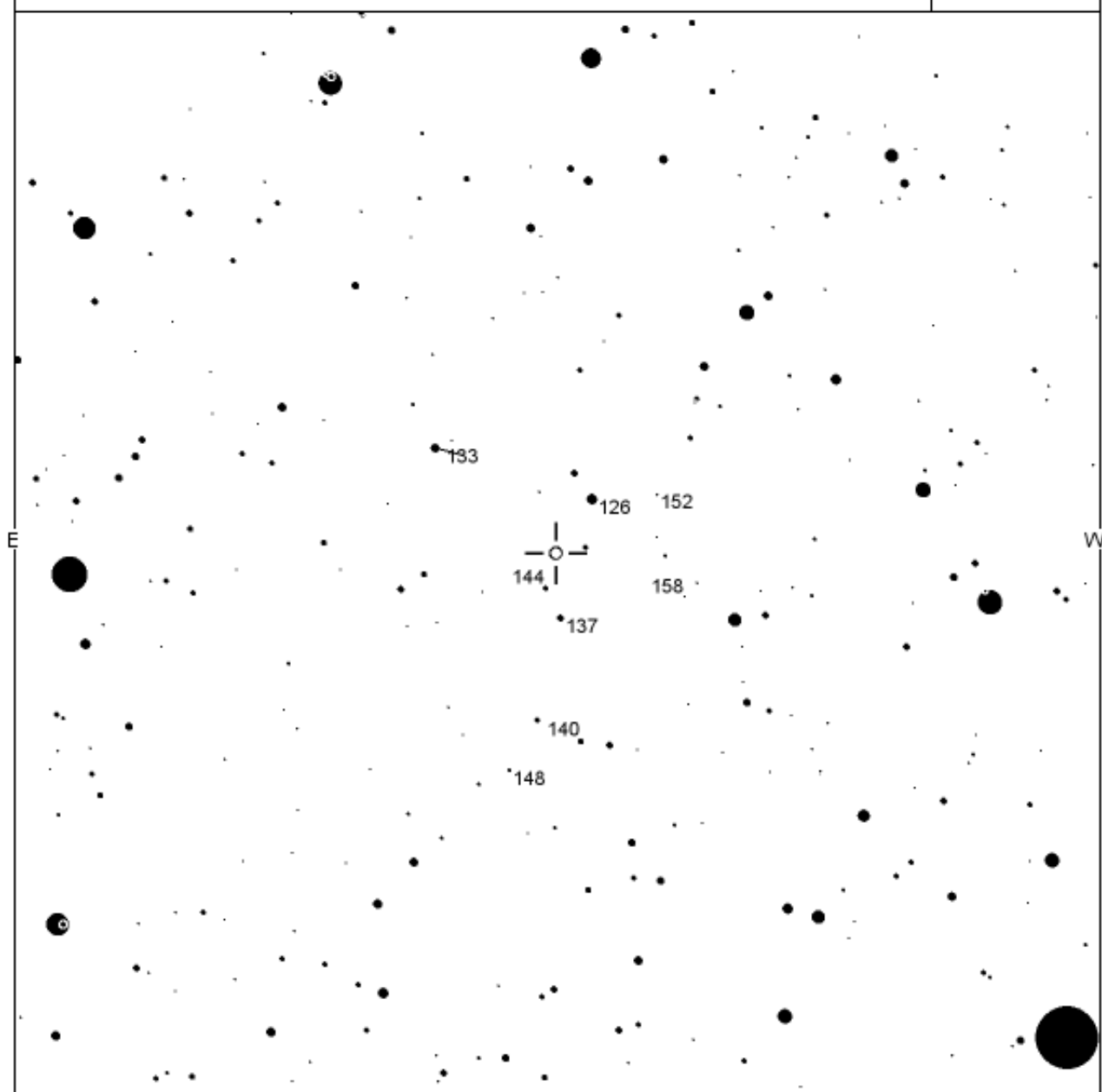


V0416 Dra

Magn: 12.7 - 17.3 V
Period: 0.18911018
Type: UG+E
Spec:

N
V416 Dra
(2000) 18:57:20.36 +71:31:18.8

AAVSO
Chart
19647ERF



FOV = 30.0'

Please use the photometry table for CCD observations.

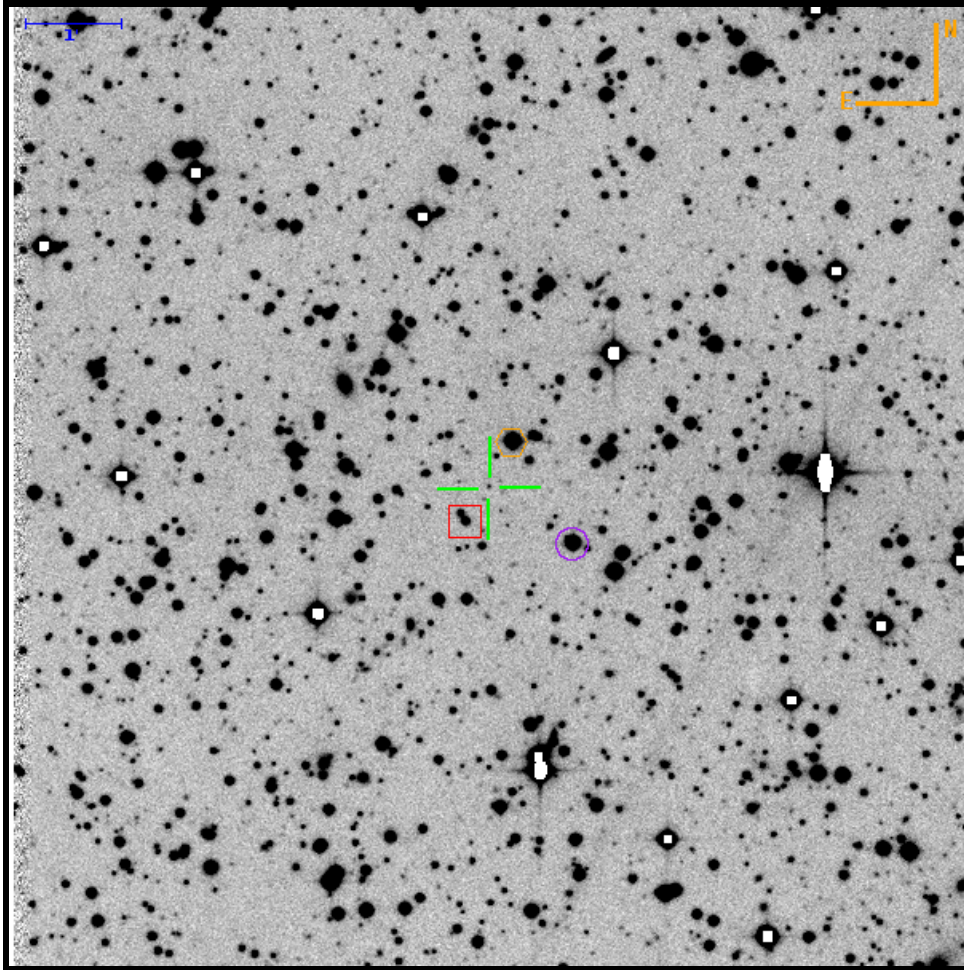
<http://www.aavso.org/vsp/>

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S

Finding Chart for PTFS1719dx

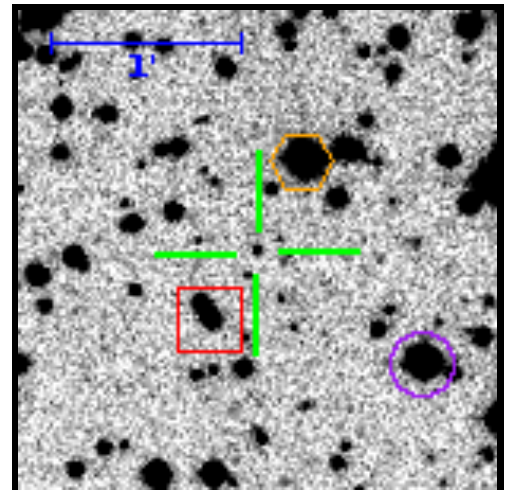
RA=19:00:19.89 DEC=+44:27:44.0



Theoretical 5 σ limiting magnitude: 22.99. Filter: R. PTF field: 02 / 004582 / 01.

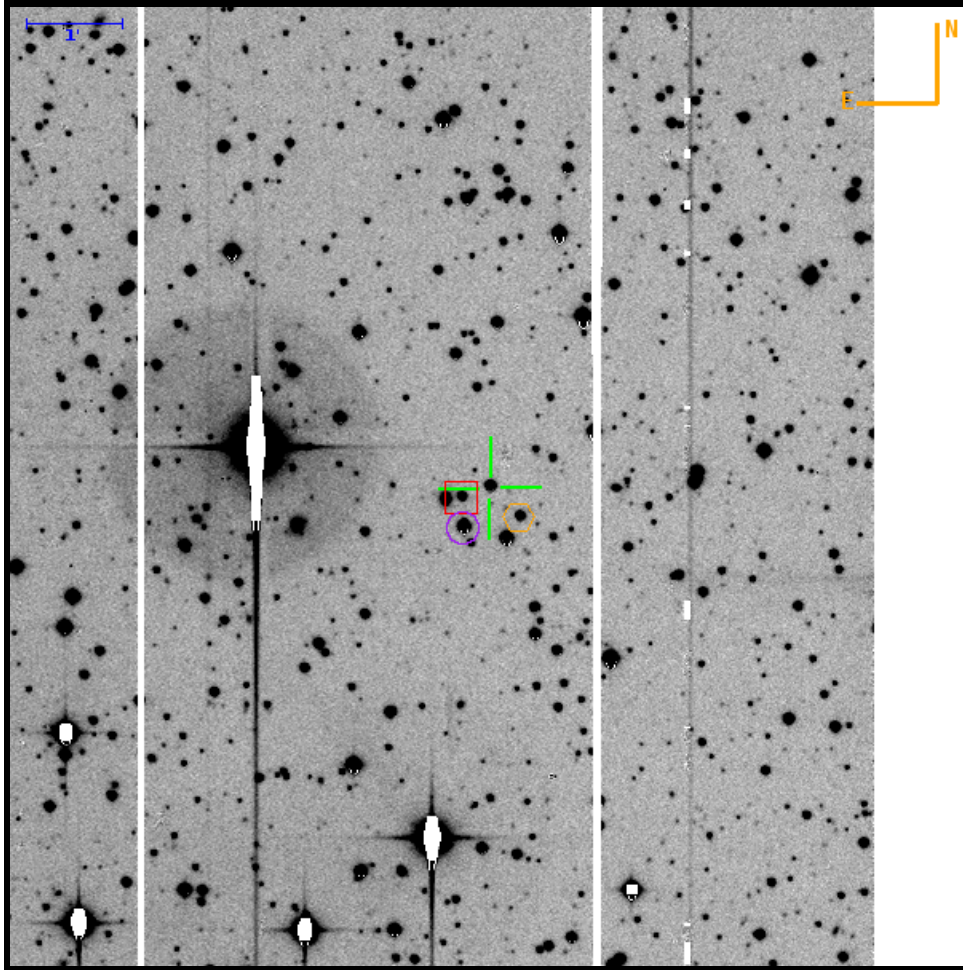
Target (green cross)		
RA	19:00:19.89 285.08289400	(J2000)
DEC	+44:27:44.0 44.46221600	
Med Mag	20.86 ± 1.53	R-band
Ref Mag	21.49 ± 0.06	R-band
Offset Star S1 (red box)		
RA	19:00:21.32 285.08884497	(J2000)
DEC	+44:27:22.3 44.45620617	
Med Mag	17.80 ± 0.25	R-band
Ref Mag	18.01 ± 0.01	R-band
Distance	26.5"	
Offset Star S2 (orange hex)		
RA	19:00:18.43 285.07680857	(J2000)
DEC	+44:28:12.3 44.47007087	
Med Mag	14.33 ± 0.01	R-band
Ref Mag	14.33 ± 0.01	R-band
Distance	32.3"	
Offset Star S3 (purple circle)		
RA	19:00:15.00 285.06250138	(J2000)
DEC	+44:27:07.2 44.45200642	
Med Mag	15.00 ± 0.01	R-band
Ref Mag	14.99 ± 0.01	R-band
Distance	64.0"	

		To			
From		Target	box	hex	circle
	Target	0	15.29" E 21.64" S	15.64" W 28.28" N	52.40" W 36.75" S
	box	15.29" W 21.64" N	0	30.93" W 49.91" N	67.69" W 15.12" S
	hex	15.63" E 28.28" S	30.92" E 49.91" S	0	36.76" W 65.03" S
	circle	52.41" E 36.75" N	67.70" E 15.12" N	36.77" E 65.03" N	0



Finding Chart for PTFS1519p

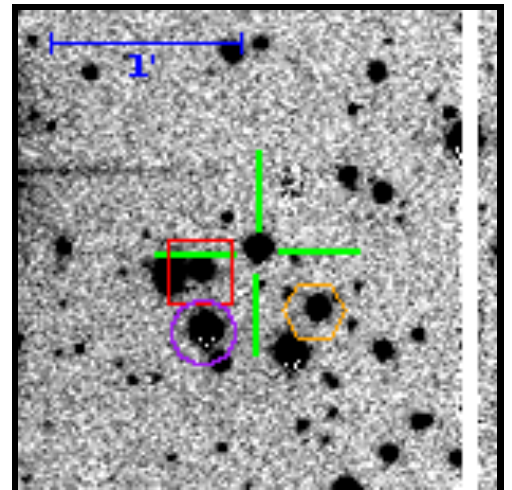
RA=19:07:32.76 DEC=+52:58:28.5



Theoretical 5 σ limiting magnitude: 22.93. Filter: R. PTF field: 02 / 004859 / 00.

Target (green cross)		
RA	19:07:32.76 286.88651200	(J2000)
DEC	+52:58:28.5 52.97458600	
Med Mag	16.25 ± 0.32	R-band
Ref Mag	16.34 ± 0.03	R-band
Offset Star S1 (red box)		
RA	19:07:34.77 286.89485839	(J2000)
DEC	+52:58:22.4 52.97290197	
Med Mag	16.95 ± 0.30	R-band
Ref Mag	16.95 ± 0.01	R-band
Distance	19.1"	
Offset Star S2 (orange hex)		
RA	19:07:30.77 286.87819182	(J2000)
DEC	+52:58:08.6 52.96904860	
Med Mag	16.80 ± 0.08	R-band
Ref Mag	16.81 ± 0.01	R-band
Distance	26.9"	
Offset Star S3 (purple circle)		
RA	19:07:34.75 286.89477139	(J2000)
DEC	+52:58:03.4 52.96760283	
Med Mag	15.31 ± 0.12	R-band
Ref Mag	15.31 ± 0.01	R-band
Distance	30.9"	

		To			
From		Target	box	hex	circle
	Target	0	18.09" E 6.06" S	18.04" W 19.93" S	17.90" E 25.14" S
	box	18.09" W 6.06" N	0	36.13" W 13.87" S	0.19" W 19.08" S
	hex	18.04" E 19.93" N	36.13" E 13.87" N	0	35.95" E 5.20" S
	circle	17.91" W 25.14" N	0.19" E 19.08" N	35.95" W 5.20" N	0



N

KIS J192748.53+444724.5

KIS J192748.53+444724.5

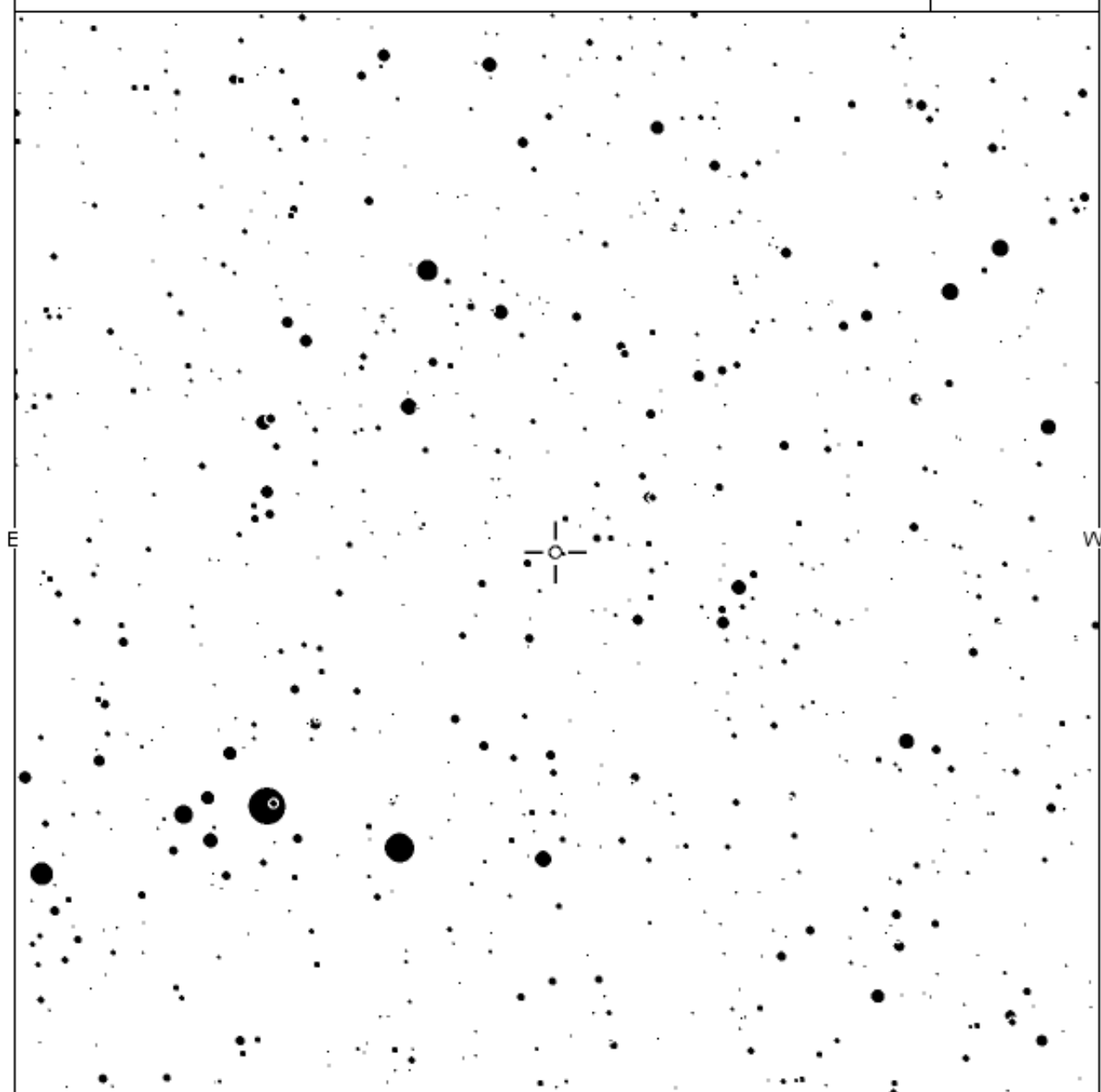
AAVSO

Chart

19647ERL

Magn: 16.0 - 18.4 Kp
 Period: 0.1653077
 Type: UG+E
 Spec:

(2000) 19:27:48.53 +44:47:24.5



FOV = 30.0'

Please use the photometry table for CCD observations.

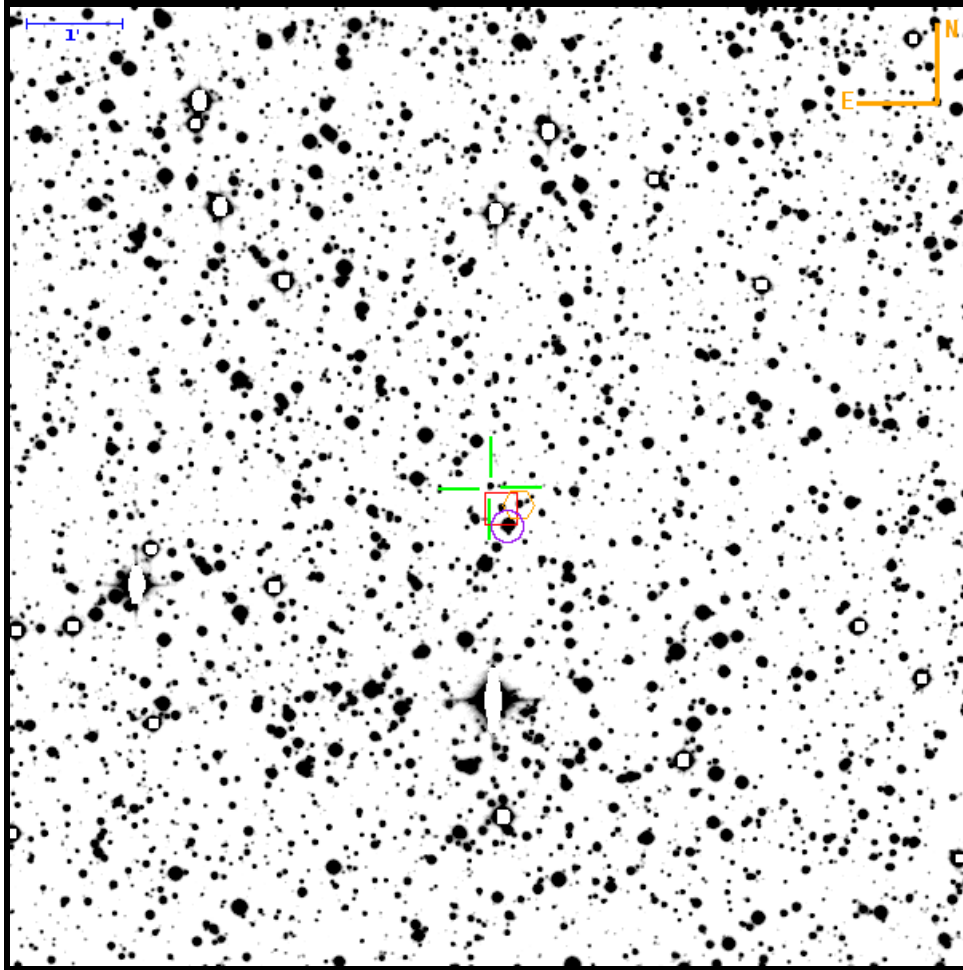
<http://www.aavso.org/vsp/>

S

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Finding Chart for PTFS1719dy

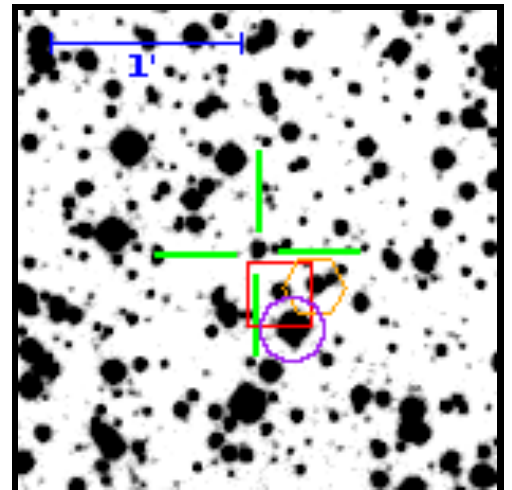
RA=19:32:43.88 DEC=+17:44:54.6



Theoretical 5 σ limiting magnitude: 22.98. Filter: R. PTF field: 02 / 003508 / 01.

Target (green cross)		
RA	19:32:43.88 293.18282000	(J2000)
DEC	+17:44:54.6 17.74849800	
Med Mag	18.01 ± 0.35	R-band
Ref Mag	18.00 ± 0.03	R-band
Offset Star S1 (red box)		
RA	19:32:43.38 293.18074246	(J2000)
DEC	+17:44:40.9 17.74470055	
Med Mag	17.45 ± 0.27	R-band
Ref Mag	17.43 ± 0.01	R-band
Distance	15.4"	
Offset Star S2 (orange hex)		
RA	19:32:42.59 293.17746971	(J2000)
DEC	+17:44:43.2 17.74534342	
Med Mag	17.22 ± 0.64	R-band
Ref Mag	17.11 ± 0.01	R-band
Distance	21.6"	
Offset Star S3 (purple circle)		
RA	19:32:43.08 293.17951829	(J2000)
DEC	+17:44:30.0 17.74167814	
Med Mag	14.60 ± 0.01	R-band
Ref Mag	14.61 ± 0.01	R-band
Distance	27.0"	

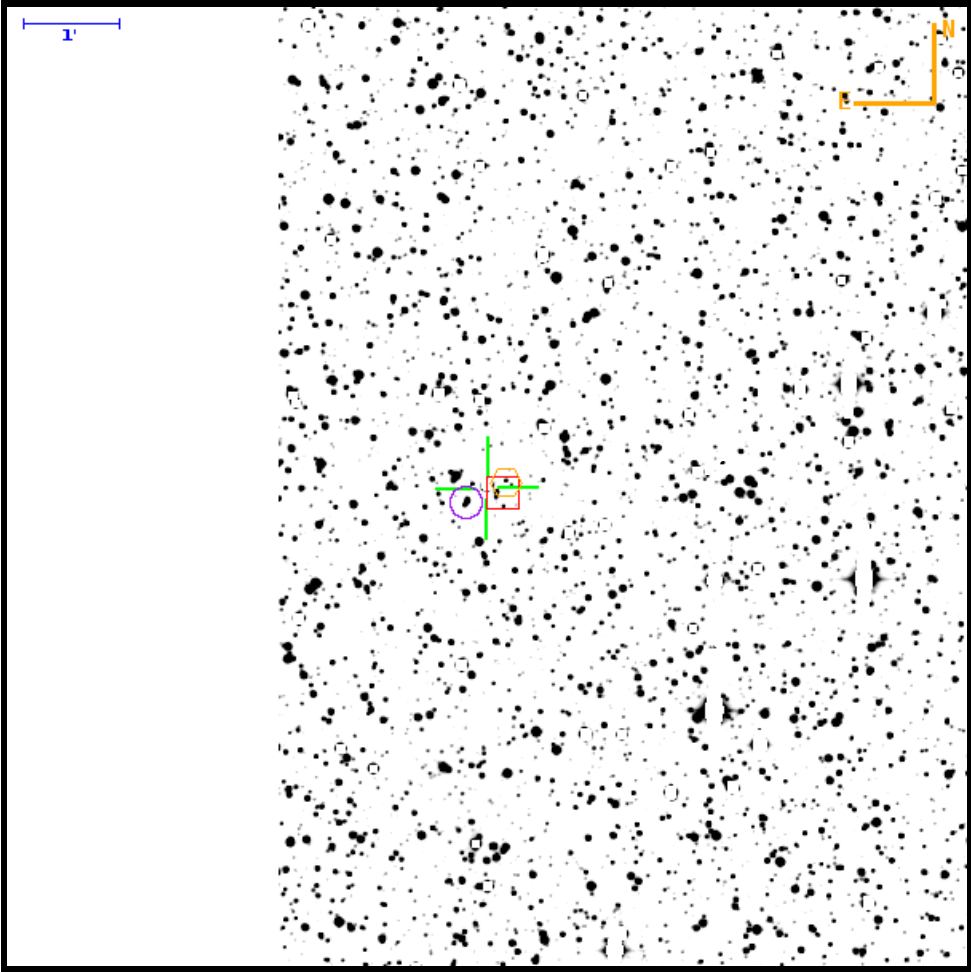
		To			
From		Target	box	hex	circle
	Target	0	7.12" W 13.67" S	18.34" W 11.36" S	11.32" W 24.55" S
	box	7.12" E 13.67" N	0	11.22" W 2.31" N	4.20" W 10.88" S
	hex	18.34" E 11.36" N	11.22" E 2.31" S	0	7.02" E 13.19" S
	circle	11.32" E 24.55" N	4.20" E 10.88" N	7.02" W 13.19" N	0



Finding Chart for

EM CYG

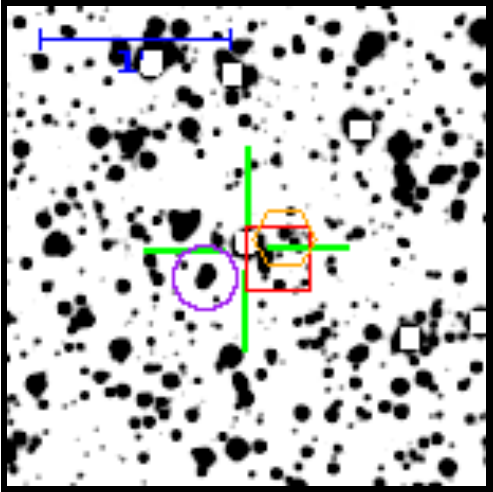
RA=19:38:40.10 DEC=+30:30:28.1



Target (green cross)		
RA	19:38:40.10 294.66708300	(J2000)
DEC	+30:30:28.1 30.50780600	
Offset Star S1 (red box)		
RA	19:38:39.28 294.66367061	(J2000)
DEC	+30:30:24.2 30.50672385	
Med Mag	18.29 ± nan	R-band
Distance	11.3"	
Offset Star S2 (orange hex)		
RA	19:38:39.14 294.66309804	(J2000)
DEC	+30:30:31.0 30.50860957	
Med Mag	16.60 ± 0.52	R-band
Distance	12.7"	
Offset Star S3 (purple circle)		
RA	19:38:41.11 294.67127391	(J2000)
DEC	+30:30:18.3 30.50508658	
Med Mag	15.66 ± 0.17	R-band
Distance	16.3"	

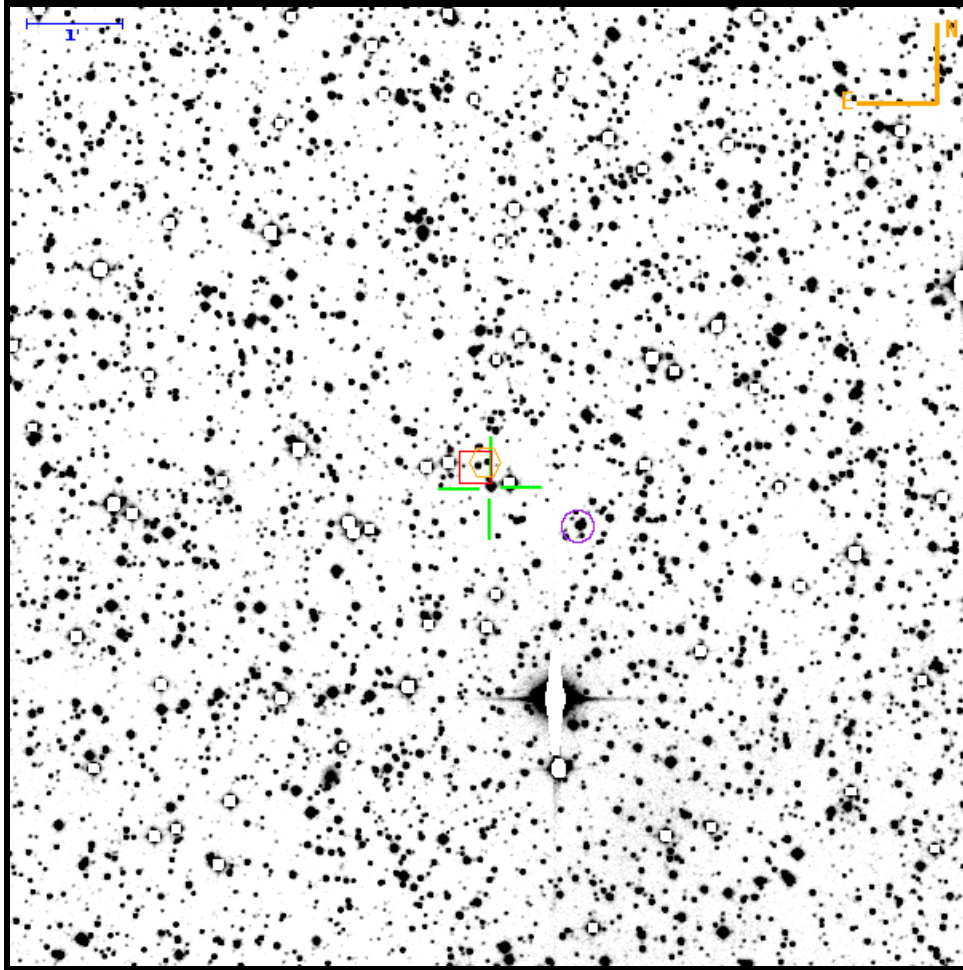
Theoretical 5σ limiting magnitude: 22.95. Filter: R. PTF field: 02 / 004084 / 02.

		To			
From		Target	box	hex	circle
	Target	0	10.58" W 3.90" S	12.36" W 2.89" N	13.00" E 9.79" S
	box	10.58" E 3.90" N	0	1.78" W 6.79" N	23.58" E 5.89" S
	hex	12.36" E 2.89" S	1.78" E 6.79" S	0	25.36" E 12.68" S
	circle	13.00" W 9.79" N	23.58" W 5.89" N	25.36" W 12.68" N	0



Finding Chart for PTFS1620k

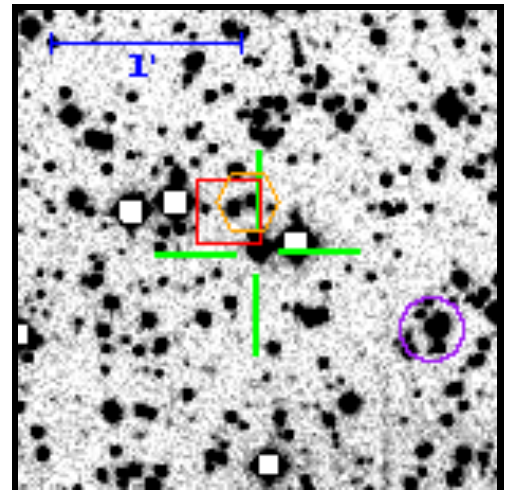
RA=20:07:36.57 DEC=+17:42:14.4



Theoretical 5 σ limiting magnitude: 21.98. Filter: R. PTF field: 02 / 003510 / 04.

Target (green cross)		
RA	20:07:36.57 301.90239500	(J2000)
DEC	+17:42:14.4 17.70400800	
Med Mag	15.29 ± 0.11	R-band
Ref Mag	15.26 ± 0.03	R-band
Offset Star S1 (red box)		
RA	20:07:37.15 301.90480987	(J2000)
DEC	+17:42:27.5 17.70762760	
Med Mag	17.45 ± 0.06	R-band
Ref Mag	17.42 ± 0.03	R-band
Distance	15.4"	
Offset Star S2 (orange hex)		
RA	20:07:36.74 301.90306344	(J2000)
DEC	+17:42:30.0 17.70832819	
Med Mag	17.90 ± nan	R-band
Ref Mag	17.73 ± 0.03	R-band
Distance	15.7"	
Offset Star S3 (purple circle)		
RA	20:07:32.64 301.88600709	(J2000)
DEC	+17:41:49.8 17.69717233	
Med Mag	15.50 ± 0.06	R-band
Ref Mag	15.53 ± 0.02	R-band
Distance	61.4"	

		To			
From		Target	box	hex	circle
	Target	0	8.28" E 13.03" N	2.29" E 15.55" N	56.20" W 24.61" S
	box	8.28" W 13.03" S	0	5.99" W 2.52" N	64.48" W 37.64" S
	hex	2.29" W 15.55" S	5.99" E 2.52" S	0	58.49" W 40.16" S
	circle	56.20" E 24.61" N	64.49" E 37.64" N	58.50" E 40.16" N	0



V0713 Cep

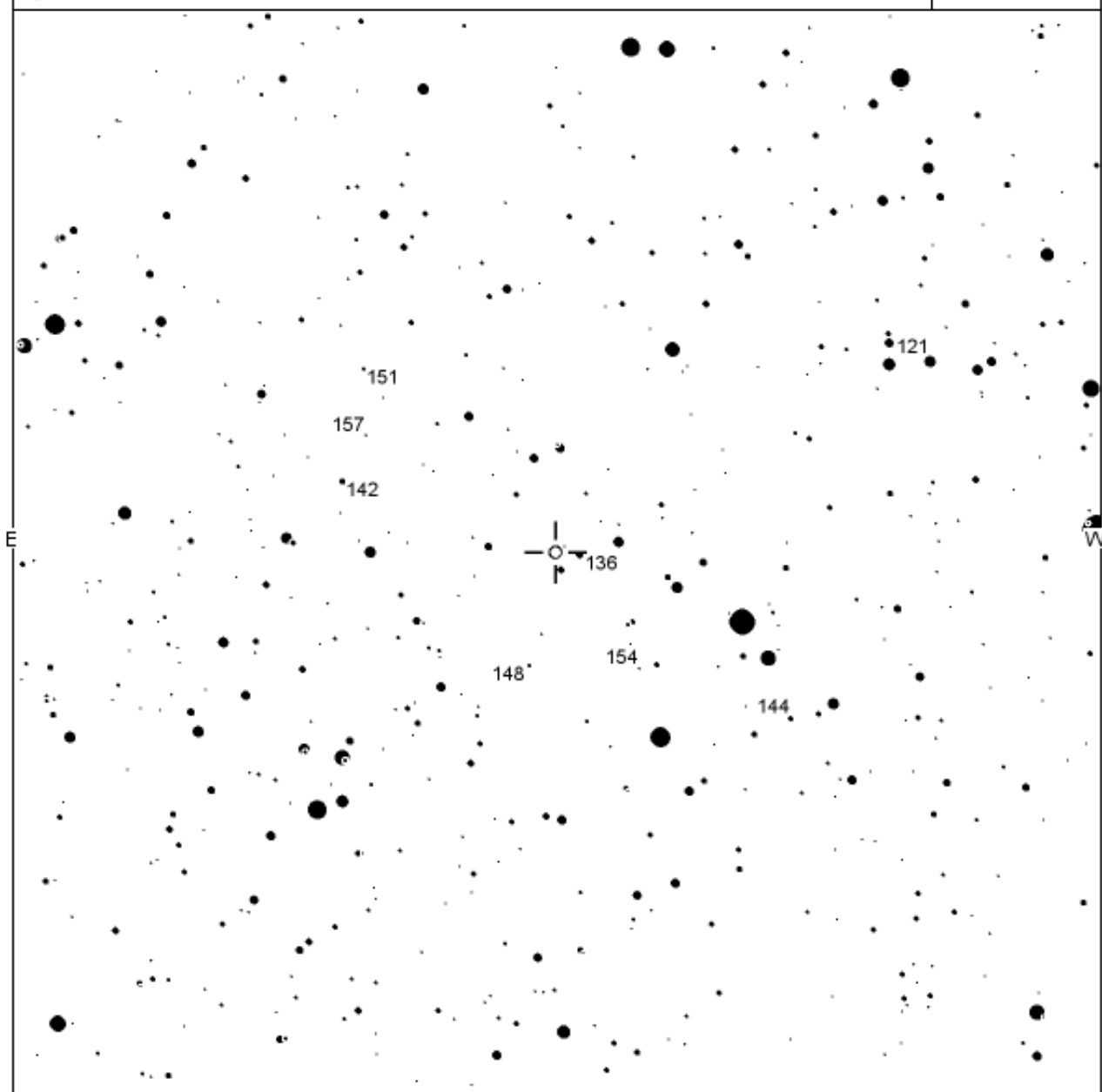
Magn: 15.3 - 18.8 B
Period: 0.085418432
Type: UG+EA
Spec:

V713 Cep

(2000) 20:46:38.65 +60:38:03.5

AAVSO
Chart

19647ERW



FOV = 30.0"

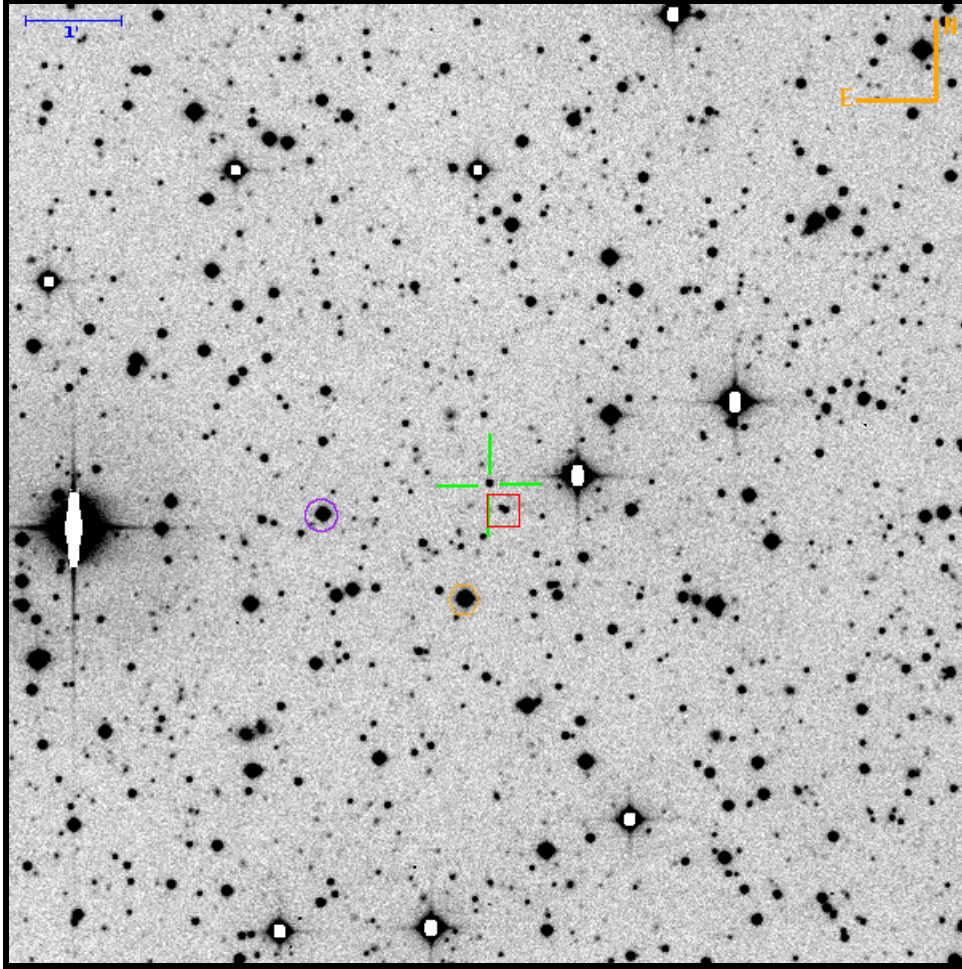
Please use the photometry table for CCD observations.

<http://www.aavso.org/vsp/>

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Finding Chart for PTFS1520cd

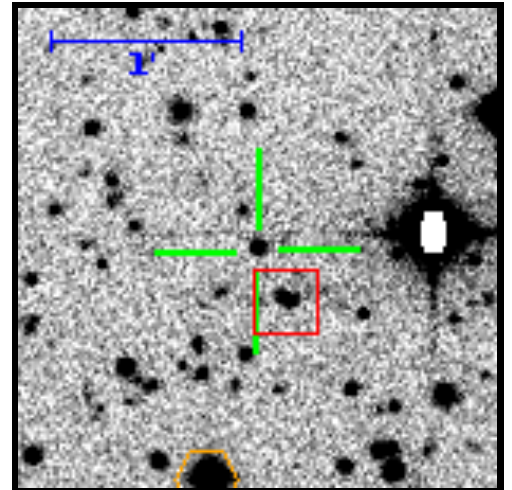
RA=20:52:52.75 DEC=-02:39:53.0



Theoretical 5 σ limiting magnitude: 22.44. Filter: R. PTF field: 02 / 002578 / 02.

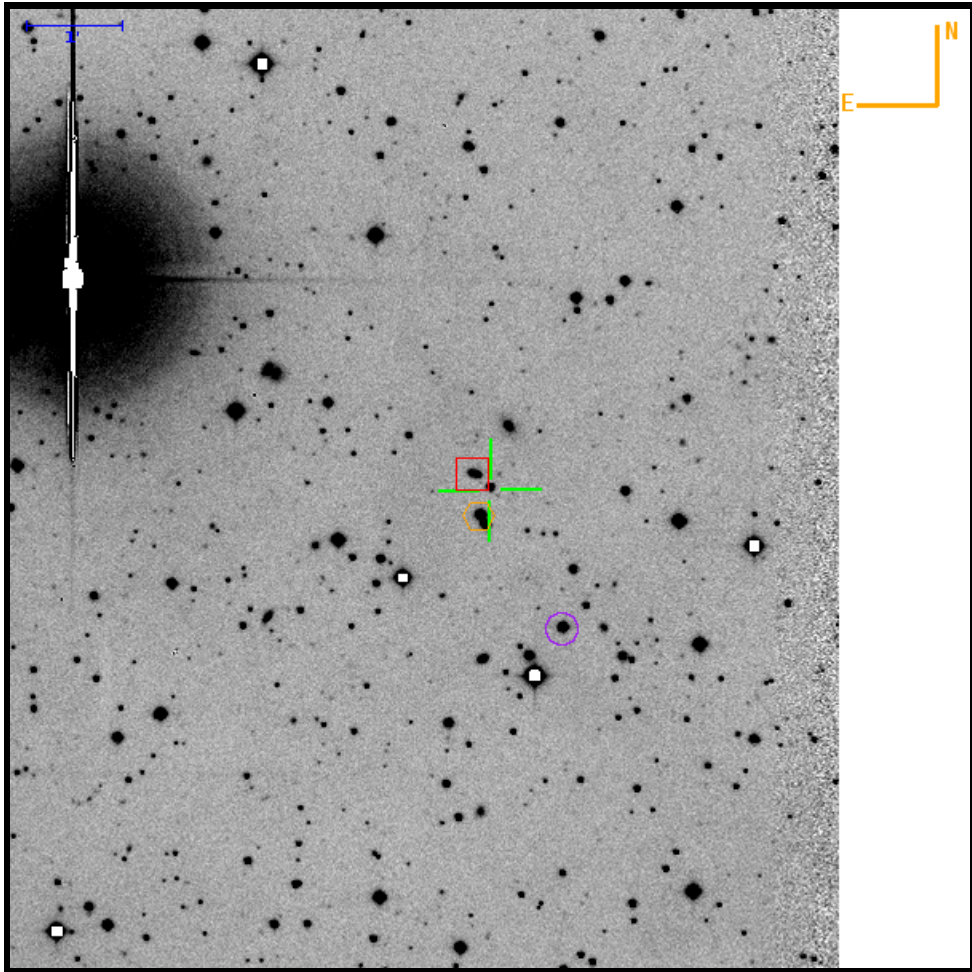
Target (green cross)		
RA	20:52:52.75 313.21977400	(J2000)
DEC	-02:39:53.0 -2.66473500	
Med Mag	18.45 ± 0.20	R-band
Ref Mag	18.55 ± 0.03	R-band
Offset Star S1 (red box)		
RA	20:52:52.11 313.21714387	(J2000)
DEC	-02:40:09.7 -2.66936968	
Med Mag	18.91 ± 0.11	R-band
Ref Mag	18.86 ± 0.02	R-band
Distance	19.2"	
Offset Star S2 (orange hex)		
RA	20:52:53.79 313.22411966	(J2000)
DEC	-02:41:06.2 -2.68505444	
Med Mag	14.18 ± 0.03	R-band
Ref Mag	14.18 ± 0.01	R-band
Distance	74.8"	
Offset Star S3 (purple circle)		
RA	20:52:59.77 313.24905811	(J2000)
DEC	-02:40:12.5 -2.67014384	
Med Mag	15.15 ± 0.04	R-band
Ref Mag	15.14 ± 0.01	R-band
Distance	107.1"	

		To			
From		Target	box	hex	circle
	Target	0	9.46" W 16.68" S	15.63" E 73.15" S	105.31" E 19.47" S
	box	9.46" E 16.68" N	0	25.09" E 56.47" S	114.77" E 2.79" S
	hex	15.63" W 73.15" N	25.09" W 56.47" N	0	89.68" E 53.68" N
	circle	105.31" W 19.47" N	114.77" W 2.79" N	89.68" W 53.68" S	0



Finding Chart for PTFS1121aq

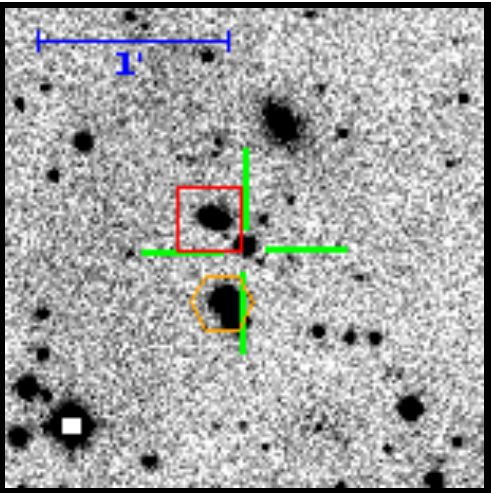
RA=21:08:46.44 DEC=-03:50:32.6



Target (green cross)		
RA	21:08:46.44 317.19349400	(J2000)
DEC	-03:50:32.6 -3.84239000	
Med Mag	17.65 ± 0.98	R-band
Offset Star S1 (red box)		
RA	21:08:47.12 317.19631363	(J2000)
DEC	-03:50:23.4 -3.83982720	
Med Mag	17.86 ± 0.05	R-band
Ref Mag	17.79 ± 0.01	R-band
Distance	13.7"	
Offset Star S2 (orange hex)		
RA	21:08:46.88 317.19531931	(J2000)
DEC	-03:50:49.5 -3.84709628	
Med Mag	15.45 ± nan	R-band
Ref Mag	15.68 ± 0.02	R-band
Distance	18.2"	
Offset Star S3 (purple circle)		
RA	21:08:43.38 317.18074899	(J2000)
DEC	-03:52:00.5 -3.86679585	
Med Mag	15.93 ± 0.02	R-band
Ref Mag	15.93 ± 0.02	R-band
Distance	99.1"	

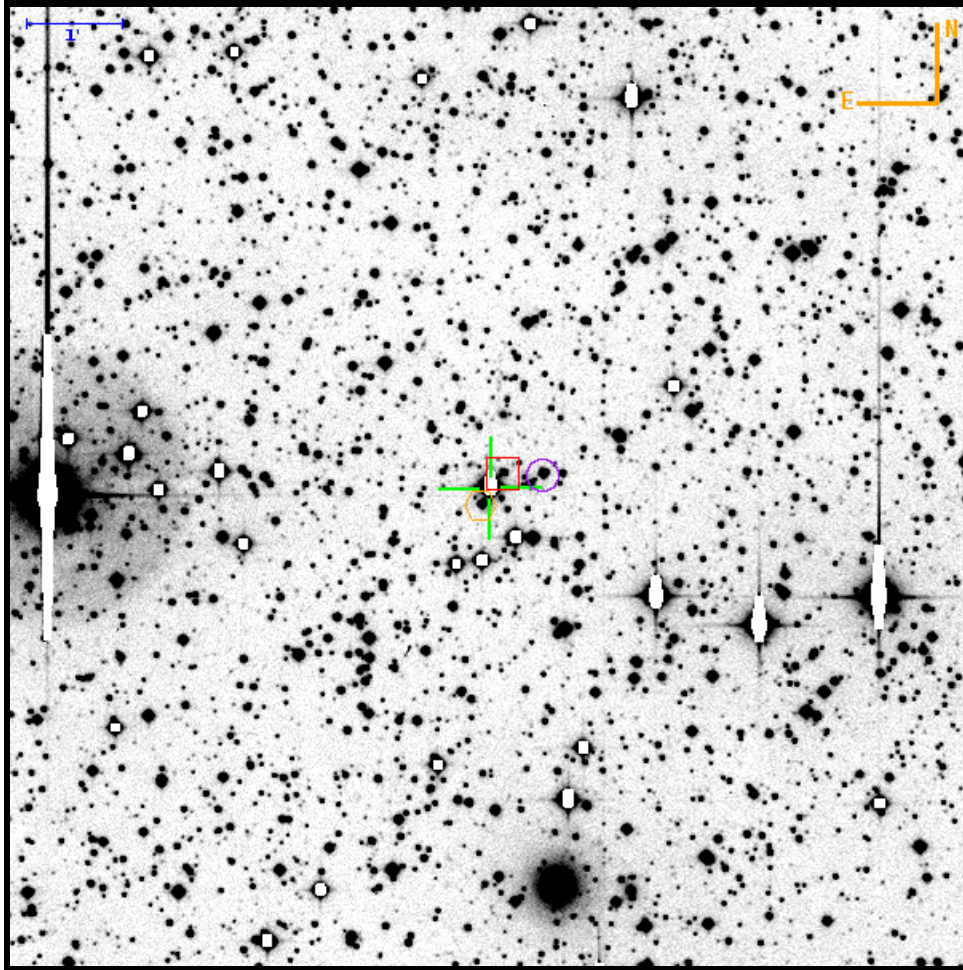
Theoretical 5σ limiting magnitude: 22.93. Filter: R. PTF field: 02 / 002579 / 09.

		To			
From		Target	box	hex	circle
	Target	0	10.13" E 9.23" N	6.56" E 16.94" S	45.78" W 87.86" S
	box	10.13" W 9.23" S	0	3.57" W 26.17" S	55.91" W 97.09" S
	hex	6.56" W 16.94" N	3.57" E 26.17" N	0	52.33" W 70.92" S
	circle	45.78" E 87.86" N	55.91" E 97.09" N	52.33" E 70.92" N	0



Finding Chart for PTFS1721bs

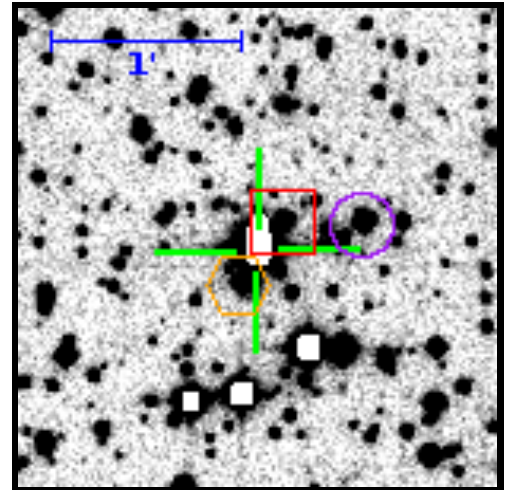
RA=21:42:42.92 DEC=+43:35:10.4



Target (green cross)		
RA	21:42:42.92 325.67883300	(J2000)
DEC	+43:35:10.4 43.58622700	
Ref Mag	15.68 ± 0.01	R-band
Offset Star S1 (red box)		
RA	21:42:42.11 325.67543790	(J2000)
DEC	+43:35:19.1 43.58864885	
Med Mag	17.53 ± nan	R-band
Distance	12.4"	
Offset Star S2 (orange hex)		
RA	21:42:43.39 325.68077113	(J2000)
DEC	+43:34:58.8 43.58300456	
Med Mag	16.23 ± 0.19	R-band
Ref Mag	16.08 ± 0.01	R-band
Distance	12.7"	
Offset Star S3 (purple circle)		
RA	21:42:39.83 325.66597214	(J2000)
DEC	+43:35:18.9 43.58858179	
Med Mag	15.80 ± 0.02	R-band
Ref Mag	15.82 ± 0.01	R-band
Distance	34.6"	

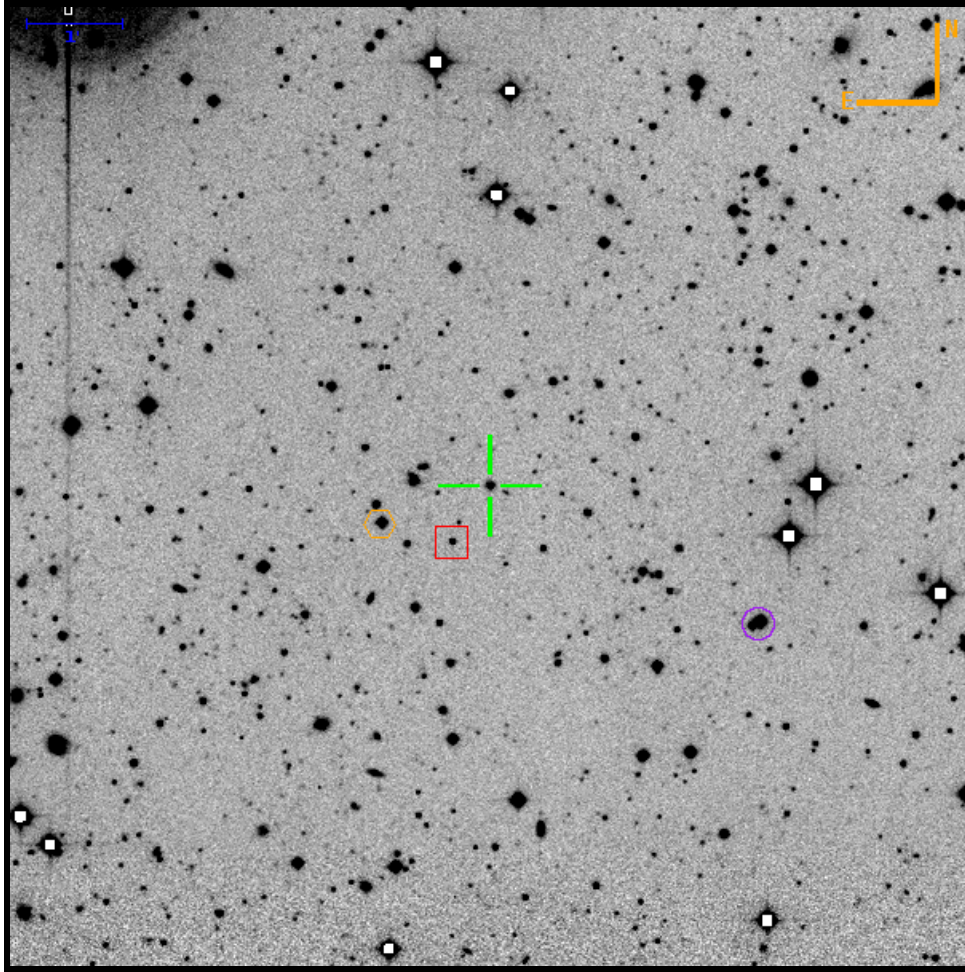
Theoretical 5 σ limiting magnitude: 22.75. Filter: R. PTF field: 02 / 004590 / 10.

		To			
From		Target	box	hex	circle
	Target	0	8.85" W 8.72" N	5.05" E 11.60" S	33.54" W 8.48" N
	box	8.85" E 8.72" S	0	13.91" E 20.32" S	24.68" W 0.24" S
	hex	5.05" W 11.60" N	13.91" W 20.32" N	0	38.59" W 20.08" N
	circle	33.53" E 8.48" S	24.68" E 0.24" N	38.59" E 20.08" S	0



Finding Chart for PTFS1122t

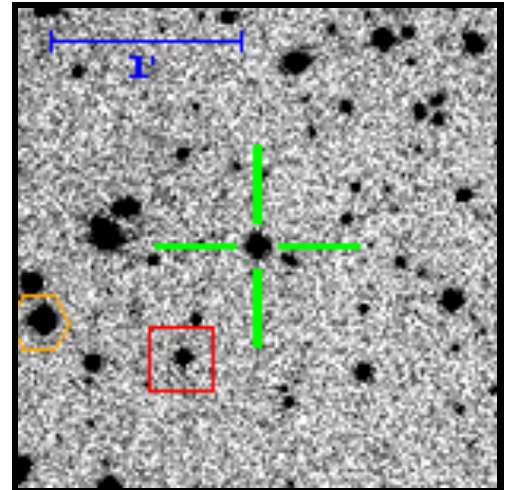
RA=22:45:00.73 DEC=+16:55:13.3



Theoretical 5 σ limiting magnitude: 23.49. Filter: R. PTF field: 02 / 003521 / 04.

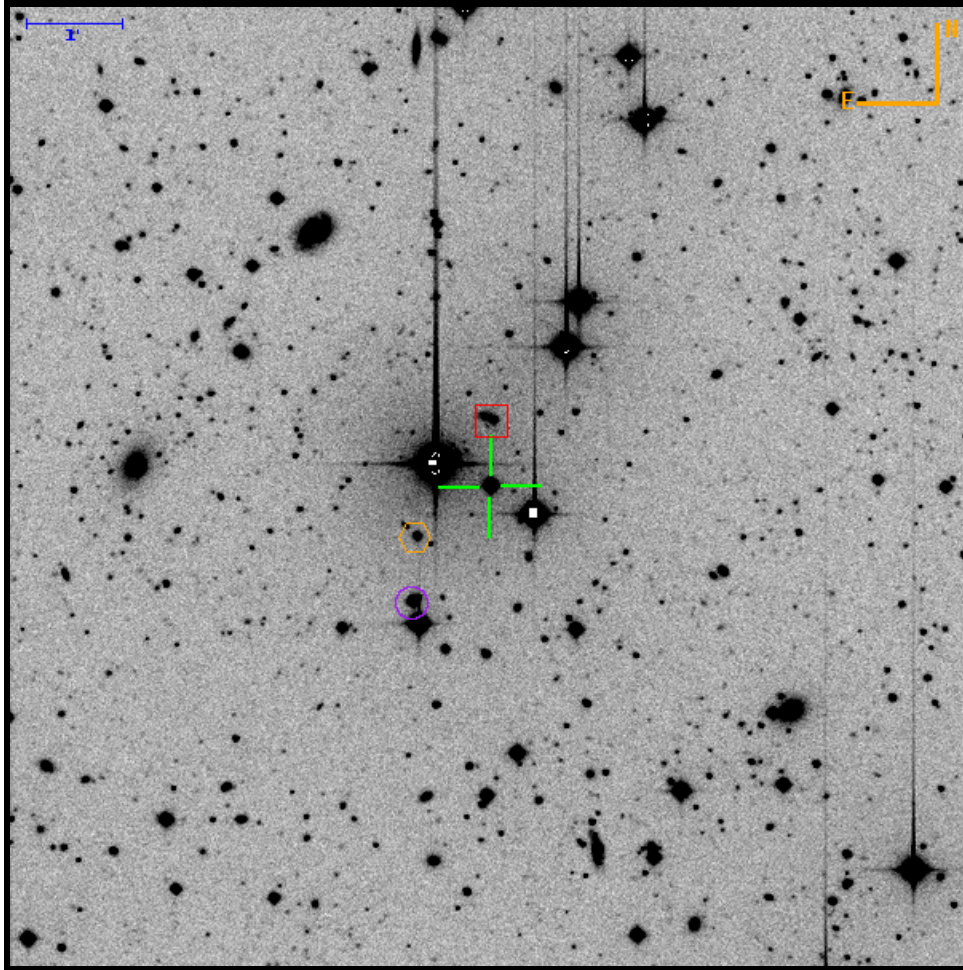
Target (green cross)		
RA	22:45:00.73 341.25303000	(J2000)
DEC	+16:55:13.3 16.92036900	
Med Mag	18.18 ± 0.61	R-band
Ref Mag	18.02 ± 0.05	R-band
Offset Star S1 (red box)		
RA	22:45:02.40 341.25999332	(J2000)
DEC	+16:54:37.9 16.91053861	
Med Mag	18.96 ± 0.08	R-band
Ref Mag	18.95 ± 0.01	R-band
Distance	42.8"	
Offset Star S2 (orange hex)		
RA	22:45:05.53 341.27302297	(J2000)
DEC	+16:54:49.8 16.91384482	
Med Mag	16.83 ± 0.03	R-band
Ref Mag	16.83 ± 0.01	R-band
Distance	72.8"	
Offset Star S3 (purple circle)		
RA	22:44:48.84 341.20348009	(J2000)
DEC	+16:53:47.7 16.89658169	
Med Mag	15.60 ± 0.05	R-band
Ref Mag	15.61 ± 0.01	R-band
Distance	190.9"	

		To			
From		Target	box	hex	circle
	Target	0	23.98" E 35.39" S	68.86" E 23.49" S	170.66" W 85.63" S
	box	23.98" W 35.39" N	0	44.88" E 11.90" N	194.65" W 50.24" S
	hex	68.86" W 23.49" N	44.88" W 11.90" S	0	239.52" W 62.15" S
	circle	170.68" E 85.63" N	194.66" E 50.24" N	239.55" E 62.15" N	0



Finding Chart for PTFS1523u

RA=23:23:08.49 DEC=+18:24:58.9



Theoretical 5 σ limiting magnitude: 23.49. Filter: R. PTF field: 02 / 003624 / 08.

Target (green cross)		
RA	23:23:08.49 350.78537500	(J2000)
DEC	+18:24:58.9 18.41635400	
Med Mag	14.92 ± 0.38	R-band
Ref Mag	15.01 ± 0.03	R-band
Offset Star S1 (red box)		
RA	23:23:08.38 350.78491113	(J2000)
DEC	+18:25:40.4 18.42789659	
Med Mag	17.56 ± 0.07	R-band
Ref Mag	17.42 ± 0.01	R-band
Distance	41.6"	
Offset Star S2 (orange hex)		
RA	23:23:11.77 350.79902796	(J2000)
DEC	+18:24:27.0 18.40750427	
Med Mag	17.65 ± 0.04	R-band
Ref Mag	17.63 ± 0.01	R-band
Distance	56.5"	
Offset Star S3 (purple circle)		
RA	23:23:11.95 350.79981058	(J2000)
DEC	+18:23:46.1 18.39612670	
Med Mag	15.90 ± 0.02	R-band
Ref Mag	15.89 ± 0.01	R-band
Distance	87.9"	

		To			
From		Target	box	hex	circle
	Target	0	1.58" W 41.55" N	46.63" E 31.86" S	49.31" E 72.82" S
	box	1.58" E 41.55" S	0	48.21" E 73.41" S	50.89" E 114.37" S
	hex	46.64" W 31.86" N	48.22" W 73.41" N	0	2.67" E 40.96" S
	circle	49.31" W 72.82" N	50.90" W 114.37" N	2.67" W 40.96" N	0

