

**Bell Observatory
Observing Plan
March 2013
Updated March 12 2014**

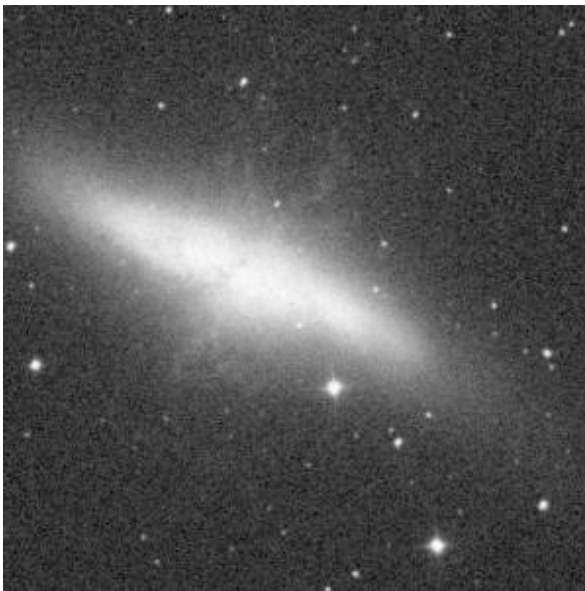
Below is the observing plan and procedures for March 2014. Please direct any questions to Dr. Carini

0. PKS 0735+178 07h38m07.4s +17° 42'19" - we need to obtain a long (6+ hours) sequence of continuous monitoring on this source. Take repeated observations in the R band at 240 seconds. It's ok if this is all you do that night.

1. SN 2014J 09 55 42.12, 69 40 25.88

Suggested guide stars: -1247,339 or -407, -256

Obtain 3 R band exposures with 10, 20 and 30 second exposure times. We are blasting the SN with 60 second exposures, so we need to back the exposure time off. As it fades, we will have to up the exposure times. Below is a Skyview image centered on the SN coordinates, with the same FOV as Bell. Look for a star in the Bell image not in this image. The galaxy will be fainter than this image, but there will be a star . A 10 second exposure from the RCT is to the right for comparison.



2. EY Ori

Obtain B,V,R,I observations of EY Ori.

EY Ori – 05 31 10.73, -5, 39, 51.1. Make sure the field matches the attached finder chart. EY Ori is the bright star in the field. The field center is adjusted to get the

comparison and check star in the field as well. Take a series of exposures in each filter, with exposure times of 1,2,3,4,5 seconds.



3. NGC 5548 Campaign

Obtain 240 second exposures in the B and I filter (3 in each filter) for NGC 5548.

NGC 5548 14 17 59.5 25 08 12

4. Blazar Monitoring: Please observe in RA order, from west to east. Objects with an asterisk (*) are highest priority, i.e. every effort to get an observation of that source, at the expense of the others, should be made. Remember exposures are 240 seconds in R unless otherwise noted. **The source highlighted in yellow, BL 0647+25 is a very high priority object.**

*1ES 0120+340	01 23 08.9 +34 20 50 0.272
*3C 66A	02h22m32.7s +43°03'48"
*AO 0235+164	02h38m38.9s +16°36'59.3" 500s
*H0323+022	03h26m14.0s +02°25'15" use 300s exposures
*4C 39.12	03 34 18.4 +39 12 25 0.021
0414+009	04h16m52.4s +01° 05'24"

[HB89]0420+003	04h22m41.9s	+00° 30'20"
*0422+004	04h24m46.8s	+00° 36'06"
0502+675	5h07m56.2s	+67° 37'24"
*0528+134	05h30m56.4s	+13° 31'55"
*BL 0647+250	06 50 46.6	+25 03 00 0.203
PKS 0716+714	07h21m53.4s	+71° 20'36"
PKS 0735+178	07h38m07.4s	+17° 42'19"
OI 090.4	07h57m06.6s	+09° 56'35"
*OJ 287	08h54m48.9s	+20° 06'31"
*1ES 0806+524	08 09 49.2	+52 18 58
1RXS J0910+33	09 10 37.0	+33 29 25 0.354
*J 1058+5628	10 58 37.7	+56 28 11 0.144
*MKN 421	11h04m27.38s	+38°12'31.8"
MKN 180	11h36m26.4s	+70°09'27.4"
1156+295	11h59m32.07s	+29°14'42" Use 11:59:43.4, 29:13:36 epoch 2004.2
ON 325	12h17m52.1s	+30°07'01"
*2A 1218+304	12h21m21.0s	+30°10'37"
*ON 231	12h21m31.7s	+28°13'59"
*3C 273	12h29m06.7s	+02°03'09"
*3C 279	12h56m11.1s	+05°47'22"
1308+326	13h10m28.6s	+32°20'44" try 300s usually faint