

**Bell Observatory
Observing Plan
December 2024**

Below is the updated blazar observing plan and procedures for November 2024. Please direct any questions to Dr. Carini.

Blazar monitoring: Please observe in RA order, from west to east. Finding charts are available on the Bell observatory web site if needed. Take 3 consecutive exposures per object in the R filter. Exposure times are 240s unless otherwise noted.

Priority blazars

I ZW 187	17h 28m 18.6s	+50° 13' 10"	
3C 371	18h 06m 50.7s	+69° 49' 28"	
1ES 1959+650	19h 59m 59.9s	+65° 08' 54.7"	
BL Lac	22h 02m 43.3s	+42° 16' 40"	
3C 454.3	22h 53m 57.7s	+16° 08' 54"	
AO 0235+164	02h 38m 38.9s	+16° 36' 59"	500 seconds
3C 66A	02h 22m 03.6s	+43° 02' 08"	
1ES 0120+340	01h 23m 08.9s	+34° 20' 50"	
1ES 0229+2000	02h 32m 48.6s	+20° 17' 17"	
4C 39.12	03h 34m 18.4s	+39° 12' 25"	
CTA 26	03h 39m 31.0s	-01° 46' 36"	
H0323+022	03h 26m 14.0s	+02° 25' 15"	300 seconds
0414+009	04h 16m 52.4s	+01° 05' 24"	
[HB89]0420+003	04h 22m 41.9s	+00° 30' 20"	
0422+004	04h 24m 46.8s	+00° 36' 06"	
0502+675	05h 07m 56.2s	+67° 37' 24"	
0528+134	05h 30m 56.4s	+13° 31' 55"	
BL 0647+250	06h 50m 8.9s	+25° 03' 00"	
PKS 0716+714	07h 21m 53.4s	+71° 20' 36"	
PKS 0735+178	07h 38m 07.4s	+17° 42' 19"	
OI 090.4	07h 57m 06.6s	+09° 56' 35"	
OJ 287	08h 54m 48.9s	+20° 06' 31"	
1ES 0806+524	08h 09m 49.2s	+52° 18' 58"	
S4 0954+658	09h58m47.2	+65° 33' 55"	
1ES 1011+496	10h15m04.1s	+49° 26' 01"	
MKN 421	11h04m27.4s	+38° 12'31.8"	
3C 273	12h 29m 06.7s	+02° 03' 09"	
3C 279	12h 56m 11.1s	-05° 47' 22"	
MKN 180	11h36m26.4s	+70°09'27.4"	
1156+295	11h59m32.07s	+29°14'42"	
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"	
1231.7+2848	12h31m46.8s	+28°48'03"	
3C 279	12h56m11.1s	+05°47'22"	
1308+326	13h10m28.6s	+32°20'44"	300 seconds