



Saguaro Astronomy Club Announcement:

2019 All Arizona Messier Marathon Events

Saturday, March 30th, @ The Salome Emergency Airfield Site

More Info at the following links:

<http://saguaroastro.org/all-arizona-messier-marathon/>
<http://saguaroastro.org/hovatter-directions/>

Swap Meet

Saturday, March 30, 3:00 - 4:30 PM
@ Central Tables/Canopies

You can bring your unused astronomy items you would like to sell. This could be a great time to pick up previously loved items and get a little cash for your own. Bring plenty of small bills so you can make change for your sales. Bring a chair and table if you can.

AAMM Dinner and Raffle



Panorama of the 2015 AAMM Dinner and Raffle photos: Rick Rotramel

Dinner starts at 5:00 PM, for \$5.00 each, pay at the dinner table, no RSVP's

The Dinner Menu:



Pulled Pork Sandwich, Chips, Fruit, Drink & Dessert

Thanks to Lori Prause for doing the dinner. Also, a great big thank you goes out to Claude Haynes who provides the tables and shade canopies. The **Midnight Cafe** will again serve hot cocoa, coffee, snacks and lots of encouragement. Please consider donating a snack such as some cookies, cupcakes, a pie or other treats to stock up the cafe. A gallon of drinking water would also be appreciated.

The Raffle



Enjoy the **Raffle** after the dinner, before the **Sunset Talk**, by coordinator, Rick Tejera, about the Messier Marathon. **Arrive early** to set up your telescope. **Raffle tickets** sold before & at the dinner, \$1 ea, or 6 for \$5 or 25 for \$20.

The 27th Annual All Arizona Messier Marathon

Saturday Eve, March 30, 2019 * Rick Tejera, Coordinator

In addition, the field will be available on the night of Friday, March 29 for an extra night of observing. Reminder, the Friday date is NOT the marathon. It has been set aside for more time to observe from your personal observing list. It will also provide more time for socializing on Saturday.

In recent years there has been growing participation by younger astronomers. To help encourage this trend, the All Arizona Messier Marathon will offer a separate awards category for observers under the age of 18. All U18 observers will receive a certificate of participation. Those observing 25 or more objects will receive a certificate of achievement. And the top 3 observers in the U18 category will receive plaques as well as the certificates. So, if you are under 18 and have an interest in astronomy come on out and observe! If you know a young astronomer, let them know and encourage them to join us. The only caveat is all U18 observers must be accompanied by a responsible adult and must be listed on that adults Liability waiver.

Required Waiver for all attendees to fill out and give to the coordinator:
<http://saguaroastro.org/wp-content/sac-images/MessierMarathon/LiabilityRelease.pdf>
Set your own goals. The marathon is for having fun!
Set your goals in order for you to have fun!
The guidelines are pretty simple, please read them over if you plan on participating.

Marathon Observing Check List, click on link below (print two sided please!):
<http://saguaroastro.org/wp-content/sac-images/MessierMarathon/ArizonaMessierMarathonOrder.pdf>
It's an honor system. No one is going to be looking over your shoulder to verify your observations. Have an **observing checklist** (from the coordinator) to keep track of your observations. Fill out the heading. Find an object. Observe/view or image it with your eye or camera through the main eyepiece of your telescope. Mark off the entry. Go to the next object.

Hand in your filled out sheet to Rick Tejera's camp table by Sunrise before leaving! Very important, if you want to be counted in the results.

Astronomical Data

Sunset	18:54
Evening Ast. Twilight	20:18
Moonrise	4:08
Morning Ast. Twilight	4:59
Sunrise	6:24

Object Data: March 30/31, 2019

Saturday Evening:			
Object	Elev.@ Sunset	Elev.@ Ast Twi	
M74	18° 6'	1° 20'	
M77	23° 0'	5° 52'	
M31	20° 6'	7° 1'	
Sunday Morning:			
	Elev.@ Ast Twi	Elev.@ Sunrise	
Moon	8° 42'	22° 43'	
M30	2° 23'	16° 27'	
M31	5° 16'	18° 13'	



Aerial view: Salome Emergency Airfield (south of I-10 at Exit #53) Directions Link:
<http://saguaroastro.org/hovatter-directions/>