

# GIYC - INDEPENDENCE RACE

## Spinnaker Courses

The marks will only utilize the WNATR buoys.  
 The course length will be approximately 9.4 Nm.  
 The Start and Finish will be from the "C" mark.  
 The course # will be designated by the RC Boat.

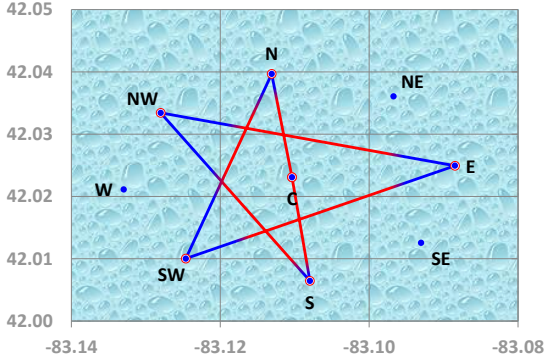
**09:00 am** - Skipper's Meeting on the GIYC Deck  
*(Coffee and Donuts will be Available)*

START	CLASS FLAG
11:00 am - Spinnaker A	(Blue Flag)
11:05 am - Spinnaker B	(Green Flag)
11:10 am - JAM	(Purple Flag)

spiNNAKER

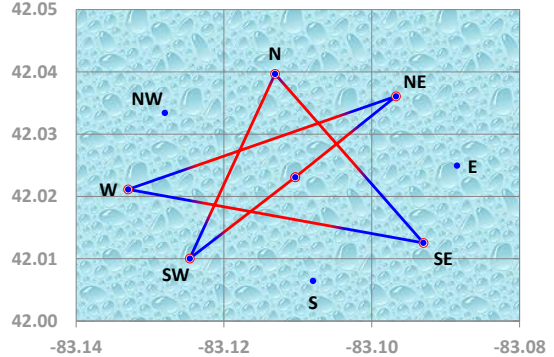
### Course 1 9.4 Nm

Marks	C	N	SW	E	NW	S	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.9	1.8	1.8	1.9	1.0
Heading		353	196	61	286	151	354



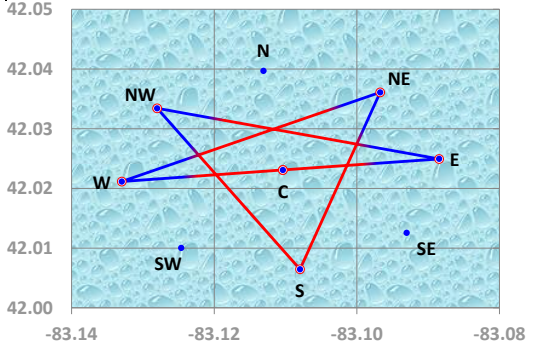
### Course 2 9.4 Nm

Marks	C	NE	W	SE	N	SW	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.8	1.9	1.9	1.9	1.0
Heading		38	241	106	331	196	39



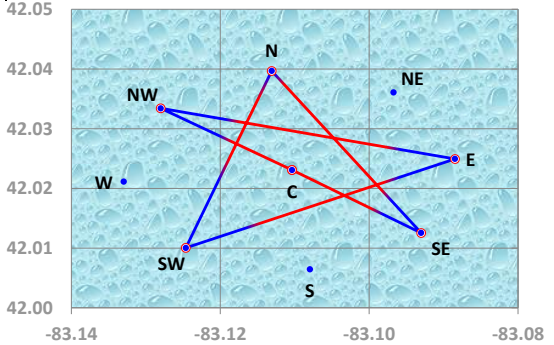
### Course 3 9.4 Nm

Marks	C	E	NW	S	NE	W	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.8	1.9	1.8	1.8	1.0
Heading		84	286	151	16	241	83



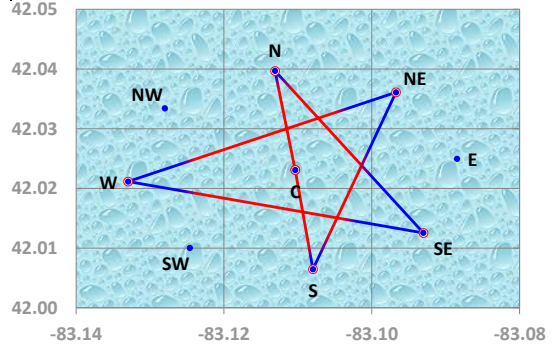
### Course 4 9.4 Nm

Marks	C	SE	N	SW	E	NW	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.9	1.9	1.8	1.8	1.0
Heading		129	331	196	61	286	128



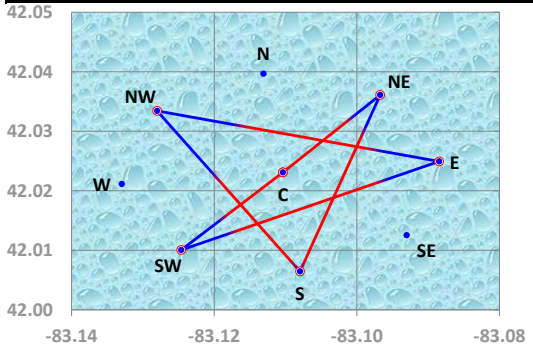
### Course 5 9.4 Nm

Marks	C	S	NE	W	SE	N	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.8	1.8	1.9	1.9	1.0
Heading		174	16	241	106	331	173



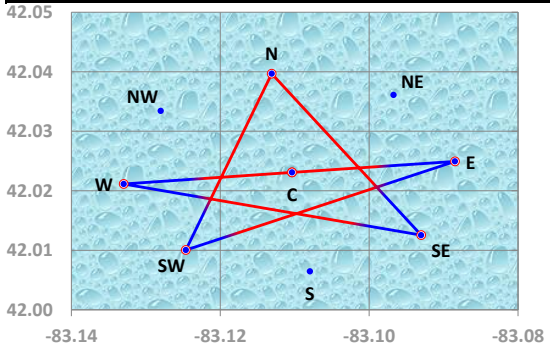
### Course 6 9.4 Nm

Marks	C	SW	E	NW	S	NE	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.8	1.8	1.9	1.8	1.0
Heading		219	61	286	151	16	218



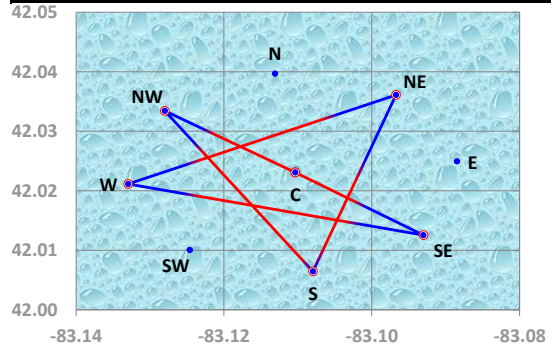
### Course 7 9.4 Nm

Marks	C	W	SE	N	SW	E	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.9	1.9	1.9	1.8	1.0
Heading		263	106	331	196	61	264



### Course 8 9.4 Nm

Marks	C	NW	S	NE	W	SE	C
Round	Start	p	p	p	p	p	Finish
Nm		1.0	1.9	1.8	1.8	1.9	1.0
Heading		308	151	16	241	106	309



# GIYC - INDEPENDENCE RACE

## JAM/JOG COURSES

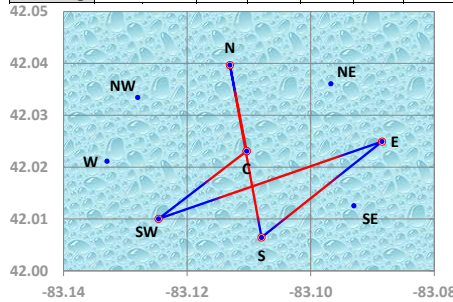
The marks will only utilize the WNATR buoys.  
 The course length will be approximately 7.3 Nm.  
 The Start and Finish will be from the "C" mark.  
 The course # will be designated by the RC Boat.

09:00 am - Skipper's Meeting on the GIYC Deck  
 (Coffee and Donuts will be Available)

START	CLASS FLAG
11:00 am - Spinnaker A	(Blue Flag)
11:05 am - Spinnaker B	(Green Flag)
11:10 am - JAM	(Purple Flag)

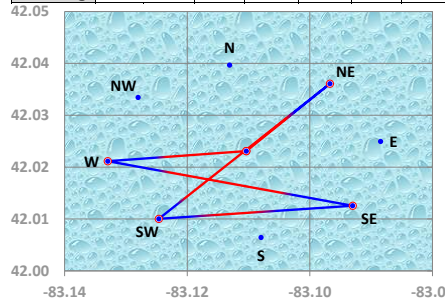
### Course 1 7.3 Nm

Marks	C	N	S	E	SW	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.8	1.0	
Heading	353	173				



### Course 2 7.3 Nm

Marks	C	NE	SW	SE	W	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.9	1.0	
Heading	38	219	84	286	83	

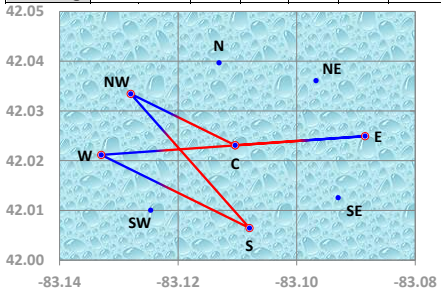


WNATR Marks in this table were updated with the 2022 coordinates

Mark Lookup Table				
Marks	Latitude	Longitude	Latitude	Longitude
C	N 42 1.3854 W 83 6.6223	42.023	-83.110	
CL		41.933	-82.892	
DL		42.001	-83.141	
E	N 42 1.4959 W 83 5.3077	42.025	-83.088	
EO		41.913	-83.121	
GS		41.967	-82.967	
N	N 42 2.3802 W 83 6.785	42.040	-83.113	
NE	N 42 2.1653 W 83 5.8038	42.036	-83.097	
NW	N 42 2.0057 W 83 7.6906	42.033	-83.128	
R2	N 42 4.3690 W 83 9.198	42.073	-83.153	
S	N 42 0.3872 W 83 6.4776	42.006	-83.108	
SE	N 42 0.7527 W 83 5.5806	42.013	-83.093	
SW	N 42 0.6022 W 83 7.478	42.010	-83.125	
W	N 42 1.2687 W 83 7.9782	42.021	-83.133	
WO		41.950	-83.159	

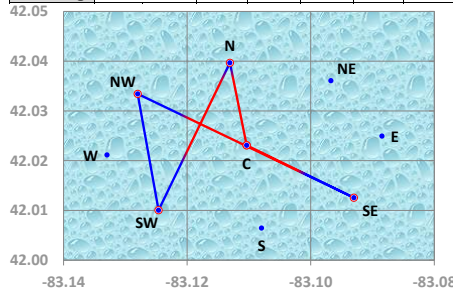
### Course 3 7.3 Nm

Marks	C	E	W	S	NW	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.9	1.0	
Heading	84	263	128	331	128	



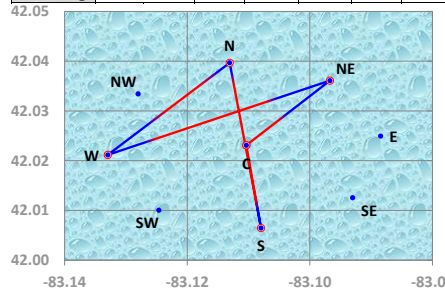
### Course 4 7.3 Nm

Marks	C	SE	NW	SW	N	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.9	1.0	
Heading	129	309	174	16	173	



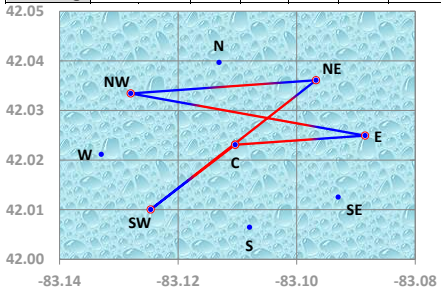
### Course 5 7.3 Nm

Marks	C	S	N	W	NE	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.8	1.0	
Heading	174	353	219	61	218	



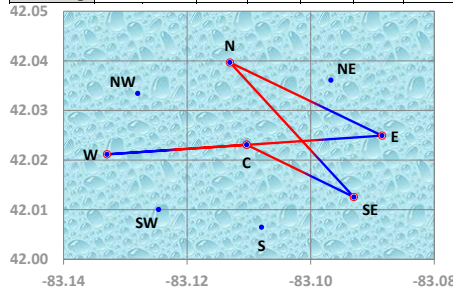
### Course 6 7.2 Nm

Marks	C	SW	NE	NW	E	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.8	1.0	
Heading	219	38	263	106	264	



### Course 7 7.3 Nm

Marks	C	W	E	N	SE	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.9	1.0	
Heading	263	83	309	151	309	



### Course 8 7.3 Nm

Marks	C	NW	SE	NE	S	C
Round	Start	p	p	p	p	Finish
Nm	1.0	2.0	1.4	1.8	1.0	
Heading	308	129	353	196	354	

