

Date: 6/18/2023

Operating Channel: Ch 69

Objectives: Wreck Scans

Primary Location: Titanic

Risk Index: 35

Titan Dive Plan - C2\_0088

Configuration: Biological Observation

Forward steel ingot 0

Ingot 4

Hydraulic drop weights 2

# SR Weights Light 0

# SR Weights Heavy 0

Crew weight 1020

# KH Weights 2

0

188

204

0

0

60

Place as far fwd as possible

Schedule			
Task	Start Time	Duration	End Time
Ship slows and shortens tow	5:00	0:15	5:15
Dinghy checks	5:00	0:30	5:30
Pre Brief in heli hangar	5:30	0:15	5:45
Launch Max with dive gear and divers	5:45	0:15	6:00
Remove hatches prep platform for dome crew	6:00	0:30	6:30
Launch Stewie and transit w dome crew	6:00	0:15	6:15
Lower Tracking pole	6:15	0:15	6:30
Close/Open Dome	6:15	0:20	6:35
Sub Vessel Checks	6:35	1:00	7:35
Load Crew in Stewie & transit to platform	7:35	0:30	8:05
Load sub & vacuum	8:05	0:30	8:35
Platform Prep	8:35	0:15	8:50
Stopski	8:50	0:05	8:55
Sink platform	8:55	0:05	9:00
Remove lock(s)	9:00	0:10	9:10
Dive	9:10	9:00	18:10
Raise platform	9:40	0:15	9:55
Service Sub/Platform/Dive Gear	9:55	1:30	11:25
Recovery team mobilizes	17:40	0:30	18:10
Sink platform	18:10	0:10	18:20
Titan Lands	18:20	0:20	18:40
Remove/Insert lock	18:40	0:10	18:50
Raise platform	18:50	0:10	19:00
Close/Open Dome	19:00	0:20	19:20
Load vessels & transit to ship	19:20	0:15	19:35
Post Dive Secure	19:35	0:30	20:05
Post Brief			

Total	1,472	
Target	1,450	Difference -22
Weather- Cloudy/Fog		
Wind SW @ 13-19 kts		
Temperature 18 Deg C		

Extra Dive Info				
Roles	Name	Location Launch/ Rec	Location Dive	Comfort Level
Mission Director		Bridge	Bridge	
Mission Director Support		Bridge	Bridge	
Comms & Tracking		Bridge	Bridge	
C&T Support #1		Bridge	Bridge	
C&T Support #2		Bridge	Bridge	
Titan Pilot		Titan	Titan	
Titan Co-Pilot		Titan	Titan	
Titan Crew #1		Titan	Titan	
Titan Crew #2		Titan	Titan	
Titan Crew #3		Titan	Titan	
Max Dinghy Captain		Max	Max	
Diver #1		Max	Max	
Diver #2		Max	Max	
Dive Support		Max	Max	
Stewie Captain		Stewie	Stewie	
Platform Operator		Stewie	Stewie	
Platform Assistant		Stewie	Stewie	
Dinghy Deck Coordinator		Deck	Deck	
Deck Support		Deck	Deck	
Deck Support		Deck	Deck	
Deck Support		Deck	Deck	
Deck Support		Deck	Deck	
Dome Close/Open Crew - Lead		Stewie	Stewie	
Dome Close/Open Crew		Stewie	Stewie	
Dome Close/Open Crew		Stewie	Stewie	
Winch Deck Lead		Deck	Deck	
Charging/Servicing lead				
Charging/Servicing support				
Charging/Servicing support				
Media 1		Deck	Stby	
Media 2		Deck	Stby	

Titan Dive Plan - C2\_0088

	Yes/No	Weighting	Risk Contribution
<b>Vehicle Data</b>			
			27
More than 14 days since last dive	No	8	0
Major maintenance since last dive	No	22	0
Overland transportation since last dive	No	9	0
More than 5 non-critical open maintenance items	Yes	9	9
Configuration change since last dive	Yes	18	18
<b>Location Data</b>			
			45
Wind forecast over 10 knots	Yes	12	12
Temperature <40degF or >90degF	No	8	0
Rain/Snow/Night	No	15	0
Potential sea state over 2	Yes	19	19
Current exceeds 1kt	No	15	0
Open Ocean or >2nm offshore	Yes	14	14
New location/ dive site	No	14	0
<b>Pilot Data</b>			
			15
More than 30 days since last dive	No	19	0
More than 10 hour duty day in last 2 days	No	20	0
Less than 3 dives in last 3 months	Yes	15	15
No Co-pilot	No	13	0
<b>Team/Project Data</b>			
			11
New team members	Yes	11	11
Over 12 hour duty day in prior day any assigned team member	No	20	0
Behind schedule	No	22	0
Over budget	No	12	0
Management Conformity	No	20	0
<b>Client Data</b>			
			29
Limited experience with Subs	Yes	13	13
Limited seamanship	Yes	16	16
Media or celebrities involved	No	15	0

Risk Index

35

Vehicle Location Pilot Team/Project Client

Totals

Vehicle	27
Location	45
Pilot	15
Team/Project	11
Client	29

Emergency Contacts:

Placentia Coast Guard Radio

St. John's Port Authority

JRCC Halifax

Ch 16
1 709 227-2181
1 709 738-4782
1 800 565-1582



Deck Deck

Titan Dive Plan - C2\_0088 Vessel Checks (previously Dive Prep)

1	Ship slows
2	Shorten tow
3	Launch Max with gear
4	Max loads w divers and heads to platform
5	Launch Stewie w dome gear and drop wts
6	Ship assumes slack line configuration
7	Divers remove hatches and raise platform
8	Stewie to platform w dome crew, Jerome and Stockton
9	Dome opened
10	Sub and Platform checks
11	Stewie takes MS's to platform
12	Dome closed & vaccum started
13	Platform prepped
14	Stopski
15	Platform sinks
16	Aron removes lock
17	Dive
18	Platform Raised (sub through 1,000m)
19	Platform LP serviced
20	Sub through 1,000m dignhy teams lauch
21	Sub Surfaces
22	Platform sunk when ship abeam Titan
23	Titan lands
24	Aron installs lock
25	Platform raised
26	Divers return to PP
27	Dome open
28	Crew transport to PP
29	Tow shortened for close servicing
30	Umbilical deployed
31	LP, HP, Batt and dehum. Completed





No part of a report of a marine casualty investigation shall be admissible as evidence in any civil or administrative proceeding, other than an administrative proceeding initiated by the United States. 46 U.S.C. §6308.

Confidential

CG 023

TITAN Dive Plan C2\_088

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5 of 5  
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