



EXERCISE GIBRALTAR SAPPER (TIGER) 16-27 APRIL 2007

POST EXERCISE REPORT (PXR)

File Reference: G3 / 3400 / 24

Dated: 11 May 07



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Reference: G3 / 3400/24

See distribution

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POST EXERCISE REPORT – EXERCISE GIBRALTAR SAPPER (TIGER) 16-27 APRIL 2007

Reference:

- A. JSATFA dated 29 Jan 07.
- B. 0053-06/07 G7 AT, Exercise Authorisation, dated 28 Feb 07.
- C. Sub-Aqua Diving at JPATU – Gibraltar, Ref 771/11, dated 1 Nov 06
- D. JSSADR dated 1 Apr 07.
- E. Exercise Instruction – Exercise Gibraltar Sapper (Tiger), Ref G3/3400/24, dated 30 Mar 07.

INRODUCTION

1. Exercise GIBRALTAR SAPPER (TIGER) was a level 3 sub-aqua diving expedition by 3 Royal School of Military Engineering (3 RSME) Regiment to Gibraltar. The expedition took place during the period 16-27 Apr 07 and consisted of 12 members, a nominal role can be found at Annex A. The expedition was shore based using boats from Joint Physical Adventure Training Unit (JPATU) at 4 Dock. The diving was conducted in a variety of demanding sea stated and underwater conditions.

LOCATION

2. There are many fine wrecks within the Sport Divers ability that scatter the Gibraltar coast dating back to 1704, when Britain first occupied the rock. The wrecks on the west coast of Gibraltar are civilian ships but there is a scattering of Naval vessels and RAF aircraft. The local dive club in Gibraltar have also purposely sunk many craft to act as man-made reefs to sustain the abundant marine life which is lacking in most of the Mediterranean. The sea temperature ranged from 12-18 °C, with underwater visibility ranging from 2 – 15 meters. The bottom type was sand, rock and the sea state was 1 – 4 with strong tidal currents after slack water. Personnel attending the expedition were the diving grade of Ocean Diver or above.

AIM

3. The aim of the expedition was to conduct adventurous sub-aqua diving in the bay of Gibraltar to achieve the following:
- a. Conduct deeper diving to enable individuals, where possible to graduate to their next diving qualification.

- b. Introduce members of 3 RSME and Minley Station sub-aqua club (GIB-UK 1216 SAC) to level 3 adventurous training expeditions in order that they will be able to organise and lead such expeditions in the future.
- c. Conduct advanced wreck diving with planned decompression stops (qualification dependant).
- d. Give expedition members the opportunity to dive unique wreck sites in challenging conditions.
- e. Allow members to conduct dive planning, chart work, dive briefings, boat operating and dive leading in preparation for 3 RSME Regiment Ocean Diver training later in the year.

ACHIEVEMENTS

- 4. A total of 231 man dives were carried out, averaging 19.25 dives per person. The following training was carried out:
 - a. Dive planning, SADS training for Advanced Divers.
 - b. Sports Diver syllabus.
 - c. Advanced diving lessons conducted for Dive Leaders.
 - d. A number of additional qualifying dives were carried out towards Advance Divers.
 - e. Basic NITROX lessons were carried out to enable individuals to gain the basic NITROX qualification within the guidelines of the BSAC.
- 5. The following qualifications have been achieved during the expedition:
 - a. 1 x Sports Diver.
 - b. 2 x Diver Leaders.
 - c. 3 x Advanced Divers.
 - d. 8 x Basic NITROX Divers (Including 3 x members of Gibraltar Joint Service Diving Club 1317/s).

AUTHORISATION

- 6. The JSATFA (Reference A) was submitted to AT HQ 4 DIV on 29 Jan 07. Clearance for the expedition was granted on 28 Feb 07 (Reference B).

ADMINISTRATION

- 7. **Transport.** A coach was booked to transport all expedition personnel to and from the North terminal at Gatwick Airport. The expedition was given a self-drive minibus by JPATU for the duration of the expedition for official details to and from Devils Tower Camp (DTC) to 4 Dock.

8. **Flights.** CNFP flights were unavailable for the duration of the expedition. The expedition leader booked flights via British Airways at a cost of £137.00 per person return.
9. **Baggage.** Baggage was restricted to the following for individuals:
- a. 1 x piece of checked in hold luggage (maximum weight 23kgs).
 - b. 1 x piece of hand luggage or a laptop (maximum weight 5kgs).
 - c. 1 x holdall of sporting diving equipment (maximum weight 23 kgs).
10. **Finance.** A financial breakdown for the expedition can be found at Annex B.
11. **Diver Alert Network Insurance.** All members of the expedition were instructed to purchase Diver Alert Network (DAN) Europe insurance for the duration of the expedition as instructed in Reference C. This is mandatory for all sub-aqua diving expeditions in Gibraltar to cover costs if the recompression chamber (RC) in Malaga, Spain if the Royal Navy RC on the South Mole was unavailable at anytime.
12. **Personal Kit Insurance.** Personnel were instructed to have adequate kit insurance to cover losses and breakages of all equipment used during the expedition.
13. **Medical Insurance.** All expedition members were in possession of the European Health Insurance Card (EHIC) before deploying on the expedition. The EHIC replaces the old E111 system and was required if entering into Spain.

CONDUCT OF THE EXERCISE

14. **Accommodation.** The expedition members were accommodated in transit rooms in DTC for the duration. The rooms were of a very low standard due to on-going major reconstruction work.
15. **Feeding.** Meals were taken at DTC less lunch which was a packed meal collect at 0730hrs daily for the duration. The packed meals can be indented for the duration of the expedition on arrival at DTC. A minimum of 24hrs notice is required for preparation.
16. **Diving.** All diving was conducted in accordance with Reference D. A list of dives conducted on the expedition can be found at Annex C. Dive sites had to be changed due to fishing activity and the weather from the initial list at Reference E. The diving logs for expedition can be found at Annex D. A daily diary of events was recorded for the duration of the expedition this can be found at Annex E.

EQUIPMENT

17. **Diving Equipment.** JPATU at 4 Dock has 12 sets of diving equipment for the use of expeditions at a cost per person is £45.00 for the duration. The centre is not scaled to hold personal dive computers; these items can be indented for on the JSATFA and collected prior to the exercise from Bicester loan pool, if available. Many expedition members took personal diving equipment, signing a statement to state that all equipment was serviced to manufactures specification and in-date for the duration of the expedition. The hire cost had to be paid for by all expedition members even if only a cylinder and weights were required.
18. **Boats.** The expedition were allocated 2 x Rigid Hulled Inflatable Boats (RHIBS) for the

duration of the expedition. The boats were well maintained but were lacking GPS & echo sounding units to allow positive navigation and identification of wrecks on the sea bed. The RHIB's must be operated by Diver Cox's as ordered by JPATU 4 Dock.

19. **Oxygen and First Aid Equipment.** JPATU supplied 2 x 3 litre O² cylinders with ancillaries and a basic first aid kit for each RHIB. This equipment was checked before every dive on the expedition by the SADS's.

20. **Compressor.** A doubled filtered air compressor was available at 4 Dock for use by the expedition. All cylinders charging after dives were conducted by the members of the expedition.

21. **Fault Reporting.** All faults with JPATU equipment were reported to Mr Stone who carries out the maintenance of JPATU 4 Dock equipment.

22. **Equipment Losses.** The expedition misplaced a JPATU Beaver torch during the expedition which could not be accounted for. The bill for the torch was settled out of expedition funds and a receipt for £120.00 was issued by the 4 Dock Manager.

MEDICAL

23. **Minor Injuries.** Minor injuries would have been dealt with using the expedition FAK held on each of the expedition RHIB. Minor incidents could also be phoned through to the RN Duty Diving Officer (0044 7831 151523).

24. **Major Injuries.** Major injuries would be evacuated by the quickest means as directed by Windy Hill Operations Room (Channel 16) to the Gibraltar Royal Naval Hospital.

25. **Recompression Chambers.** The expedition required to have a RC facility within 4 hours of an incident. The Royal Navy Clearance Divers on the South Mole have a small chamber that could have been used in an emergency. This facility is not on standby for Sports Divers and would only have been used if directed by Windy Hill Operations Room. The RC in Malaga, Spain was our primary chamber if an incident occurred; all members of the expedition had DAN Europe insurance to cover costs of recompression. Any decompression incident is controlled through Windy Hill Operations Room.

26. **Safety.** The SADS's and Expedition Leader were responsible for all safety matters during the expedition, however individuals were briefed to remain alert to potential hazards at all times, particularly strong currents, fishing nets and line that covered a lot of the wrecks dived. A comprehensive risk assessment was submitted with the JSATFA; this was included in the initial dive brief on arrival and reviewed frequently throughout the expedition.

COMMAND AND SIGNALS

27. **Radios.** 4 Dock supplied short-range hand-held maritime VHF radios for emergency use during the expedition.

28. **Mobile Phones.** Mobile phone coverage was excellent all times on the expedition. This allowed the expedition to be able to phone details through in an emergency.

ACKNOWLEDEMENTS

29. The expedition leader would like to thank the following people for their assistance during the expedition:
- a. All the staff at JPATU 4 Dock for their professional approach at all time.
 - b. 3 RSME Regiment PRI for a £520 to cover the hire of 2 x RHIB's and diving equipment.
 - c. Major RAMC and SSgt RLC for being the SADS on the expedition.
 - d. Mr Phil Smith and Darren Fa for their vast knowledge of diving in Gibraltar and an excellent book Underwater Gibraltar.
 - e. All Members of Gibraltar Joint Service Diving Club 1317/s for making the expedition feel very welcome from the start.
 - f. All members of the expedition for the professional conduct and outstanding diving ability.

SUMMARY

30. Exercise GIBRALTAR SAPPER (TIGER) was a challenging but rewarding expedition to Gibraltar. All expedition members worked hard in challenging conditions to ensure we made maximum use of our time on the dive sites. There are excellent opportunities in Gibraltar to further diving experience in very challenging conditions. The aim of the exercise was to progress expedition members in qualifications, so members can take a more active role in Minley Station Dive Club. This will allow safe and effective dive leading of many recruits at 3 RSME Regiment in the near future. The expedition was restricted to Ocean Divers and higher. Any questions regarding this PXR should be directed to the Expedition Leader in the first instance.

[Original Signed]

WO2 QMSI (ME) RE
for CO

Annexes:

- A. Exercise Gibraltar Sapper (Tiger) – Nominal Roll.
- B. Exercise Gibraltar Sapper (Tiger) – Financial Breakdown.
- C. Exercise Gibraltar Sapper (Tiger) – Dive Sites.
- D. Exercise Gibraltar Sapper (Tiger) – Dive Logs.
- E. Exercise Gibraltar Sapper (Tiger) – Diary of Events.

Distribution:

Internal:

Information:

CO – 3 RSME Regt
Unit Welfare Officer – 3 RSME Regt
Diving Officer – 3 RSME Regt
CC – 3 RSME Regiment (For File)

Action:

FSA – 3 RSME Regt

External:

Information

JPATU 4 Dock - Gibraltar
G7 AT 4 Div – Aldershot
RE Corps Treasurer – HQ RE
ASADA Chairman
ASADA Expeditions Officer
Expedition Members – (See Nominal Roll)

EXERCISE GIBRALTAR SAPPER TIGER – NOMINAL ROLE

The following personnel took part in Exercise GIBRALTAR SAPPER (TIGER) on 16-27 Apr 07:

Serial	Number	Rank	Name	Corps	Qualifications	UIN
1				RAMC	SADS/AD/AI	
2				RE	DL	
3				RE	DL	
4				RAMC	AD	
5				RE	AD	
6				RE	AD/NI/OWI	
7				RE	DL	
8				REME	SD	
9				RE	SD	
10				RLC	SADS/AD/OWI	
11				RE	DL	
12				RAF(V)	AD	

EXERCISE GIBRALTAR SAPPER (TIGER) – FINANCIAL BREAKDOWN

EXPENDITURE		INCOME	
Flights	£1644.00	<u>Personal Contributions:</u>	
Equipment Hire	£540.00	Maj	£185.50
Boat Hire	£500.00	Capt	£142.65
NITROX Course	£75.00	Capt	£122.65
Day 1 Lunch	£31.96	Capt	£150.50
Expedition Meal	£350.00	WO2	£142.65
Equipment Losses	£120.00	WO2	£157.65
JPATU Brew Fund	£30.00	WO2	£157.65
Excess Baggage Charge	£60.00	WO2	£185.50
		SSgt	£157.56
		SSgt	£200.50
		LCpl	£142.65
		SAC	£235.50
		G7 AT Grant	£550.00
		<u>Unit PRI Grants:</u>	
		3 RSME	£520.00
		<u>Corps Grants:</u>	
		RE	£300.00
TOTAL EXPENDITURE	£3350.96	TOTAL INCOME	£3350.96

EXERCISE GIBRALTAR SAPPER (TIGER) – DIVE SITES

The following dive sites were used during Exercise GIBRALTAR SAPPER (TIGER):

Serial	Date	Site	Type	Max Depth	Remarks
1	17 Apr 07	Dive 1 – Rosia Bay Dive 2 – 482 Cable Layer	Sheltered Wreck	15 Meters 20 Meters	
2	18 Apr 07	Dive 1 – The Helen Dive 2 – Batty’s Barge	Wreck Wreck	25 Meters 20 Meters	
3	19 Apr 07	Dive 1 – SS Excellence Dive 2 – Ark of Jesus Christ Dive 3 – 482 Cable layer	Wreck Wreck Wreck	30 Meters 25 Meters 20 Meters	
4	20 Apr 07	Dive 1 – HMS Erin Dive 2 – Cannon Pile	Wreck Wreck	30 Meters 25 Meters	
5	21 Apr 07	Dive 1 – SS Excellence Dive 2 – SS Rosslyn	Wreck Wreck	30 Meters 25 Meters	
6	22 Apr 07	DAY OFF	N/A	N/A	
7	23 Apr 07	Dive 1 – Pilot Boat Dive 2 – El Pipo Dive 3 – The Ark of Jesus Christ	Wreck Wreck Wreck	35 Meters 25 Meters 25 Meters	
8	24 Apr 07	Dive 1 – Los Picos Dive 2 – Seven Sisters Dive 3 – Camp Bay	Wall/Reef Wreck Wreck	40 Meters 25 Meters 21 Meters	
9	25 Apr 07	Dive 1 – Europa Reef Dive 2 – The Sea Hawk	Wall/Reef Wreck	40 Meters 30 Meters	
10	26 Apr 07	Dive 1 – Los Picos Dive 2 – SS Excellence Dive 3 – 4 Dock	Wall/Reef Wreck Sheltered	40 Meters 30 Meters 10 Meters	

EXERCISE GIBRALTAR SAPPER (TIGER) – DIVE LOGS

Date: Tue 17 Apr 07

Dive: One

Dive Location: Rosia Bay - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 15 Meters
Max Time: 45 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	0900hrs	0930hrs	30 mins	N/A	3 mins	10.2 m	Comp	200	50
		DL	12	Comp	0900hrs	0930hrs	30 mins	N/A	3 mins	10.2 m	Comp	200	50
2		SADS	12	Comp	0910hrs	0950hrs	40 mins	N/A	3 mins	10.9 m	Comp	210	95
		DL	12	Comp	0910hrs	0950hrs	40 mins	N/A	3 mins	10.9 m	Comp	200	80
3		SD	12	Comp	0925hrs	0956hrs	31mins	N/A	3 mins	10.2 m	Comp	210	80
		DL	2 x 12	Comp	0925hrs	0956hrs	31 mins	N/A	3 mins	10.3 m	Comp	190/200	80/200
4		SADS	12	Comp	1010hrs	1036hrs	26 mins	N/A	3 mins	10.7 m	Comp	212	102
		SD	12	Comp	1010hrs	1036hrs	26 mins	N/A	3 mins	10.7 m	Comp	200	50
5		DL	12	Comp	1021hrs	1054hrs	33 mins	N/A	3 mins	10.8 m	Comp	190	150
		SD	12	Comp	1021hrs	1054hrs	33 mins	N/A	3 mins	10.8 m	Comp	210	120
6		AD	12	Comp	1050hrs	1130hrs	40 mins	N/A	3 mins	11.0 m	Comp	200	50
		OD	12	Comp	1149hrs	1130hrs	40 mins	N/A	3 mins	11.0 m	Comp	200	50

Date: Tue 17 Apr 07

Dive: Two

Dive Location: 482 Cable Layer - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 20 Meters
Max Time: 45 Minutes

Pairs	Names	Quals	Cal Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	1435hrs	1515hrs	40 mins	N/A	3 mins	16.3 m	Comp	200	70
		DL	12	Comp	1435hrs	1515hrs	40 mins	N/A	3 mins	16.3 m	Comp	200	50
2		SADS	12	Comp	1434hrs	1508hrs	36 mins	N/A	3 mins	15.8 m	Comp	210	100
		DL	12	Comp	1434hrs	1508hrs	36 mins	N/A	3 mins	15.9 m	Comp	200	80
3		SD	12	Comp	1458hrs	1538hrs	40 mins	N/A	3 mins	16.5 m	Comp	210	70
		DL	2 x 12	Comp	1458hrs	1538hrs	40 mins	N/A	3 mins	16.5 m	Comp	200	50
4		DL	12	Comp	1526hrs	1606hrs	40 mins	N/A	3 mins	17.9 m	Comp	190	50
		SD	12	Comp	1526hrs	1606hrs	40 mins	N/A	3 mins	17.8 m	Comp	200	80
5		SADS	12	Comp	1535hrs	1609hrs	30 mins	N/A	3 mins	16.0 m	Comp	190	90
		SD	12	Comp	1535hrs	1609hrs	30 mins	N/A	3 mins	16.0 m	Comp	200	70
6		AD	12	Comp	1540hrs	1612hrs	32 mins	N/A	3 mins	16.8 m	Comp	200	70
		OD	12	Comp	1540hrs	1612hrs	32 mins	N/A	3 mins	16.8 m	Comp	200	50

Date: Wed 18 Apr 07

Dive: Three

Dive Location: The Helen - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 25 Meters
Max Time: 45 Minutes

Pairs	Names	Quals	Cal Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	0948hrs	1017hrs	29 mins	N/A	3 mins	23.1 m	Comp	200	50
		DL	12	Comp	0948hrs	1017hrs	29 mins	N/A	3 mins	23.1 m	Comp	200	50
2		SADS	12	Comp	1025hrs	1048hrs	23 mins	N/A	3 mins	20.0 m	Comp	210	95
		OD	15	Comp	1025hrs	1048hrs	23 mins	N/A	3 mins	20.0 m	Comp	200	50
3		SD	12	Comp	1037hrs	1108hrs	31 mins	N/A	3 mins	22.2 m	Comp	210	80
		DL	2 x12	Comp	1037hrs	1108hrs	31 mins	N/A	3 mins	22.2 m	Comp	210/210	90/210
4		SADS	12	Comp	1039hrs	1106hrs	26 mins	N/A	3 mins	21.7 m	Comp	215	101
		SD	12	Comp	1039hrs	1106hrs	26 mins	N/A	3 mins	21.7 m	Comp	200	50
5		DL	12	Comp	1043hrs	1052hrs	9 mins	N/A	N/A	21.8 m	Comp	190	150
		SD	12	Comp	1043hrs	1101hrs	18 mins	N/A	3 mins	21.8 m	Comp	210	120
6		AD	15	Comp	1049hrs	1129hrs	40 mins	N/A	3 mins	22.9 m	Comp	200	50
		DL	12	Comp	1049hrs	1129hrs	40 mins	N/A	3 mins	22.9 m	Comp	200	80

Date: Wed 18 Apr 07

Dive: Four

Dive Location: Batty's Barge - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 20 Meters
Max Time: 45 Minutes

Pairs	Names	Quals	Cal Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	14.30hrs	1510hrs	40 mins	N/A	3 mins	16.3 m	Comp	200	70
		DL	12	Comp	14.30hrs	1510hrs	40 mins	N/A	3 mins	16.3 m	Comp	200	50
2		SADS	12	Comp	1431hrs	1459hrs	28 mins	N/A	3 mins	15.8 m	Comp	210	100
		OD	15	Comp	1431hrs	1459hrs	28 mins	N/A	3 mins	15.8 m	Comp	200	50
		SD	12	Comp	1431hrs	1459hrs	28 mins	N/A	3 mins	15.8 m	Comp	200	80
3		SD	12	Comp	1456hrs	1536hrs	40 mins	N/A	3 mins	15.5 m	Comp	210	70
		DL	2 x 12	Comp	1456hrs	1536hrs	40 mins	N/A	3 mins	15.5 m	Comp	200/200	70/200
4		AD	15	Comp	1516hrs	1556hrs	40 mins	N/A	3 mins	15.9 m	Comp	200	70
		DL	12	Comp	1516hrs	1556hrs	40 mins	N/A	3 mins	15.9 m	Comp	200	80
		DL	12	Comp	1516hrs	1556hrs	40 mins	N/A	3 mins	15.9 m	Comp	190	50
5		SADS	15	Comp	1530hrs	1604hrs	34 mins	N/A	3 mins	15.1 m	Comp	190	90
		SD	12	Comp	1530hrs	1604hrs	34 mins	N/A	3 mins	15.1 m	Comp	200	70

Date: Thu 19 Apr 07

Dive: Five

Dive Location: SS Excellence - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 30 Meters
Max Time: 45 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	0951hrs	1022hrs	31 mins	N/A	3 mins	28.2 m	Comp	190	60
		SD	12	Comp	0951hrs	1022hrs	31 mins	N/A	3 mins	28.2 m	Comp	200	50
2		DL	12	Comp	1002hrs	1026hrs	24 mins	N/A	3 mins	25.0 m	Comp	200	90
		SD	15	Comp	1002hrs	1026hrs	24 mins	N/A	3 mins	25.0 m	Comp	190	50
3		SADS	15	Comp	1016hrs	1047hrs	31 mins	N/A	3 mins	25.9 m	Comp	196	50
		DL	2 x 12	Comp	1016hrs	1047hrs	31 mins	N/A	3 mins	26.0 m	Comp	170/200	150/50
		DL	12	Comp	1016hrs	1047hrs	31 mins	N/A	3 mins	26.0 m	Comp	200	70
4		SADS	12	Comp	1057hrs	1131hrs	31 mins	N/A	3 mins	26.5 m	Comp	200	50
		DL	15	Comp	1057hrs	1131hrs	31 mins	N/A	3 mins	26.6 m	Comp	200	50
5		AD	15	Comp	1110hrs	1138hrs	28 mins	N/A	3 mins	25.5 m	Comp	190	60
		SD	12	Comp	1110hrs	1138hrs	28 mins	N/A	3 mins	25.0 m	Comp	210	60
		DL	12	Comp	1110hrs	1138hrs	28 mins	N/A	3 mins	25.0 m	Comp	210	70

Date: Thu 19 Apr 07

Dive: Six

Dive Location: The Ark of Jesus Christ - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 25 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	1348hrs	1417hrs	29 mins	N/A	3 mins	18.7 m	Comp	190	50
		SD	12	Comp	1348hrs	1417hrs	29 mins	N/A	3 mins	18.6 m	Comp	190	50
2		DL	12	Comp	1400hrs	1428hrs	28 mins	N/A	3 mins	20.0 m	Comp	190	100
		SD	15	Comp	1400hrs	1428hrs	28 mins	N/A	3 mins	19.3 m	Comp	190	60
3		SADS	15	Comp	1407hrs	1446hrs	39 mins	N/A	3 mins	19.6 m	Comp	200	60
		DL	2 x 12	Comp	1407hrs	1446hrs	39 mins	N/A	3 mins	20.1 m	Comp	210/210	50/190
		DL	12	Comp	1407hrs	1446hrs	39 mins	N/A	3 mins	20.3 m	Comp	230	75
4		SADS	12	Comp	1448hrs	1525hrs	37 mins	N/A	3 mins	21.1 m	Comp	200	50
		DL	15	Comp	1448hrs	1525hrs	37 mins	N/A	3 mins	21.1 m	Comp	170	70
5		AD	15	Comp	1511hrs	1542hrs	31 mins	N/A	3 mins	19.4 m	Comp	200	50
		SD	12	Comp	1511hrs	1542hrs	31 mins	N/A	3 mins	19.4 m	Comp	200	60
		DL	12	Comp	1511hrs	1542hrs	31 mins	N/A	3 mins	19.4 m	Comp	190	50

Date: Thu 19 Apr 07

Dive: Seven

Dive Location: 482 Cable Layer - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 20 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	15	Comp	2127hrs	2157hrs	30 mins	N/A	3 mins	15.7 m	Comp	190	60
		SD	12	Comp	2127hrs	2157hrs	30 mins	N/A	3 mins	16.1 m	Comp	190	60
2		SADS	15	Comp	2135hrs	2212hrs	37 mins	N/A	3 mins	14.0 m	Comp	230	75
		DL	12	Comp	2135hrs	2212hrs	37 mins	N/A	3 mins	14.0 m	Comp	200	50
3		DL	12	Comp	2242hrs	2316hrs	34 mins	N/A	3 mins	14.1 m	Comp	190	80
		AD	15	Comp	2242hrs	2316hrs	34 mins	N/A	3 mins	13.9 m	Comp	210	60
4		DL	12	Comp	2149hrs	2221hrs	32 mins	N/A	3 mins	13.2 m	Comp	180	90
		DL	2 x 12	Comp	2149hrs	2221hrs	32 mins	N/A	3 mins	13.6 m	Comp	180/205	90/205
5		SADS	12	Comp	2238hrs	2310hrs	32 mins	N/A	3 mins	14.4 m	Comp	200	90
		SD	15	Comp	2238hrs	2310hrs	32 mins	N/A	3 mins	14.0 m	Comp	200	60

Date: Fri 20 Apr 07

Dive: Eight

Dive Location: HMS Erin - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 30 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	1113hrs	1145hrs	32 mins	N/A	3 mins	23.7 m	Comp	200	70
		DL	12	Comp	1113hrs	1145hrs	32 mins	N/A	3 mins	23.7 m	Comp	220	90
2		SADS	15	Comp	1120hrs	1139hrs	39 mins	N/A	3 mins	28.1 m	Comp	222	64
		DL	X 12	Comp	1120hrs	1139hrs	39 mins	N/A	3 mins	28.1 m	Comp	175/200	65/115
3		DL	12	Comp	1125hrs	1153hrs	28 mins	N/A	3 mins	23.5 m	Comp	210	70
		SD	12	Comp	1125hrs	1153hrs	28 mins	N/A	3 mins	23.5 m	Comp	190	60
4		AD	15	Comp	1148hrs	1213hrs	25 mins	N/A	3 mins	28.6 m	Comp	190	60
		SD	15	Comp	1148hrs	1213hrs	25 mins	N/A	3 mins	28.6 m	Comp	200	65
5		AD	15	Comp	1206hrs	1244hrs	38 mins	N/A	3 mins	28.1 m	Comp	200	50
		DL	12	Comp	1206hrs	1244hrs	38 mins	N/A	3 mins	28.1 m	Comp	200	60
6		SADS	12	Comp	1216hrs	1248hrs	31 mins	N/A	3 mins	27.6	Comp	210	60
		DL	12	Comp	1216hrs	1248hrs	31 mins	N/A	3 mins	27.6	Comp	190	60

Date: Fri 20 Apr 07

Dive: Nine

Dive Location: Cannon Pile - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 25 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	15	Comp	1433hrs	1504hrs	31 mins	N/A	3 mins	24.4 m	Comp	216	70
		DL	2 x12	Comp	1433hrs	1504hrs	31 mins	N/A	3 mins	24.4 m	Comp	200/200	70/200
2		DL	12	Comp	1452hrs	1521hrs	29 mins	N/A	3 mins	24.6 m	Comp	200	90
		SD	12	Comp	1452hrs	1521hrs	29 mins	N/A	3 mins	24.6 m	Comp	210	50
3		AD	15	Comp	1500hrs	1527hrs	27 mins	N/A	3 mins	24.7 m	Comp	190	60
		SD	15	Comp	1500hrs	1527hrs	27 mins	N/A	3 mins	24.7 m	Comp	210	60
4		AD	15	Comp	1523hrs	1603hrs	40 mins	N/A	3 mins	24.0 m	Comp	200	80
		DL	12	Comp	1523hrs	1603hrs	40 mins	N/A	3 mins	24.0 m	Comp	200	90
5		SADS	12	Comp	1542hrs	1614hrs	32 mins	N/A	3 mins	25.0 m	Comp	210	80
		DL	12	Comp	1542hrs	1614hrs	32 mins	N/A	3 mins	25.0 m	Comp	210	90

Date: Sat 21 Apr 07

Dive: Ten

Dive Location: SS Excellence - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 30 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	12	Comp	1030hrs	1056hrs	26 mins	1 min (s)	3 mins	29.4 m	Comp	200	80
		SD	12	Comp	1030hrs	1056hrs	26 mins	1 min (s)	3 mins	29.4 m	Comp	200	60
2		SD	15	Comp	1042hrs	1115hrs	33 mins	1 min (s)	3 mins	25.1 m	Comp	200	50
		DL	2 x 12	Comp	1042hrs	1115hrs	33 mins	1 min (s)	3 mins	25.1 m	Comp	200/180	75/180
		AD	15	Comp	1042hrs	1115hrs	33 mins	1 min (s)	3 mins	25.1 m	Comp	210	60
3		DL	12	Comp	1050hrs	1124hrs	32 mins	1 min	3 mins	27.0 m	Comp	200	70
		DL	12	Comp	1050hrs	1124hrs	32 mins	1 min	3 mins	27.0 m	Comp	195	65
4		SADS	15	Comp	1122hrs	1157hrs	35 mins	1 min	3 mins	27.3 m	Comp	204	70
		DL	12	Comp	1122hrs	1157hrs	35 mins	1 min	3 mins	27.3 m	Comp	220	65
5		AD	15	Comp	1123hrs	1157hrs	34 mins	1 min	3 mins	26.4 m	Comp	190	60
		DL	12	Comp	1123hrs	1157hrs	34 mins	1 min	3 mins	26.4 m	Comp	200	70

Date: Sat 21 Apr 07

Dive: Eleven

Dive Location: SS Excellence - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 25 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	12	Comp	1407hrs	1437hrs	30 mins	N/A	3 mins	20.7 m	Comp	200	70
		SD	12	Comp	1407hrs	1437hrs	30 mins	N/A	3 mins	20.7 m	Comp	190	50
2		SD	15	Comp	1418hrs	1450hrs	32 mins	N/A	3 mins	21.2 m	Comp	190	60
		DL	2 x 12	Comp	1418hrs	1450hrs	32 mins	N/A	3 mins	21.2 m	Comp	100/180	90/180
		AD	15	Comp	1418hrs	1450hrs	32 mins	N/A	3 mins	21.2 m	Comp	190	60
3		AD	12	Comp	1421hrs	1501hrs	40 mins	N/A	3 mins	23.1 m	Comp	200	70
		DL	12	Comp	1421hrs	1501hrs	40 mins	N/A	3 mins	23.1 m	Comp	200	70
4		AD	15	Comp	1421hrs	1501hrs	40 mins	N/A	3 mins	23.1 m	Comp	200	50
		DL	12	Comp	1421hrs	1501hrs	40 mins	N/A	3 mins	23.1 m	Comp	190	50
5		SADS	15	Comp	1509hrs	1549hrs	40 mins	N/A	3 mins	22.0 m	Comp	204	50
		DL	12	Comp	1509hrs	1549hrs	40 mins	N/A	3 mins	22.0 m	Comp	210	57

Date: Mon 23 Apr 07

Dive: Twelve

Dive Location: Pilot Boat - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 34 Meters
Max Time: 30 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		AD	15	Comp	0932hrs	1002hrs	30 mins	1 min	3 mins	33.2 m	Comp	210	60
		SD	15	Comp	0932hrs	1002hrs	30 mins	1 min	3 mins	33.2 m	Comp	200	70
2		AD	15	Comp	0946hrs	1011hrs	25 mins	1 min	3 mins	34.0 m	Comp	220	100
		AD	12	Comp	0946hrs	1011hrs	25 mins	1 min	3 mins	34.0 m	Comp	200	100
3		SADS	12	Comp	0958hrs	1022hrs	24 mins	1 min	3 mins	33.2 m	Comp	220	90
		DL	12	Comp	0958hrs	1022hrs	24 mins	1 min	3 mins	33.2 m	Comp	210	100
4		AD	2 x 12	Comp	1012hrs	1037hrs	25 mins	1 min	3 mins	33.9 m	Comp	210	70
		SD	12	Comp	1012hrs	1037hrs	25 mins	1 min	3 mins	33.9 m	Comp	210	70
5		SADS	15	Comp	1030hrs	1058hrs	25 mins	1 min	3 mins	33.2 m	Comp	200	90
		DL	12	Comp	1030hrs	1058hrs	25 mins	1 min	3 mins	33.2 m	Comp	210	50

Date: Mon 23 Apr 07

Dive: Thirteen

Dive Location: El Pipo - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 25 Meters
Max Time: 30 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	12	Comp	1230hrs	1308hrs	38 mins	N/A	3 mins	22.9 m	Comp	210	50
		DL	12	Comp	1230hrs	1308hrs	38 mins	N/A	3 mins	23.0 m	Comp	210	60
2		AD	15	Comp	1238hrs	1316hrs	38 mins	N/A	3 mins	23.5 m	Comp	210	50
		SD	15	Comp	1238hrs	1316hrs	38 mins	N/A	3 mins	23.5 m	Comp	200	50
3		AD	15	Comp	1249hrs	1329hrs	40 mins	N/A	3 mins	22.9 m	Comp	200	80
		DL	12	Comp	1249hrs	1329hrs	40 mins	N/A	3 mins	22.9 m	Comp	200	60
4		AD	2 x 12	Comp	1320hrs	1349hrs	29 mins	N/A	3 mins	22.5 m	Comp	210/210	90/210
		SD	12	Comp	1320hrs	1349hrs	29 mins	N/A	3 mins	22.5 m	Comp	190	70
5		SADS	15	Comp	1328hrs	1404hrs	36 mins	N/A	3 mins	21.9 m	Comp	213	67
		DL	12	Comp	1328hrs	1404hrs	36 mins	N/A	3 mins	21.9 m	Comp	210	50

Date: Mon 23 Apr 07

Dive: Fourteen

Dive Location: The Ark of Jesus Christ - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 20 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		AD	15	Comp	1545hrs	1619hrs	34 mins	N/A	3 mins	20.0 m	Comp	200	50
		SD	15	Comp	1545hrs	1619hrs	34 mins	N/A	3 mins	20.0 m	Comp	210	70
2		SADS	12	Comp	1546hrs	2623hrs	37 mins	N/A	3 mins	19.7 m	Comp	210	60
		DL	12	Comp	1546hrs	2623hrs	37 mins	N/A	3 mins	19.7 m	Comp	210	60
3		AD	15	Comp	1632hrs	1712hrs	40 mins	N/A	3 mins	18.7 m	Comp	210	50
		SADS	15	Comp	1632hrs	1712hrs	40 mins	N/A	3 mins	20.0 m	Comp	204	67
		DL	12	Comp	1632hrs	1712hrs	40 mins	N/A	3 mins	19.1 m	Comp	200	50
4		AD	2 x 12	Comp	1634hrs	1706hrs	32 mins	N/A	3 mins	20.0 m	Comp	200/200	80/200
		SD	12	Comp	1634hrs	1706hrs	32 mins	N/A	3 mins	20.0 m	Comp	200	60

Date: Tue 24 Apr 07

Dive: Fifteen

Dive Location: Los Picos - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 40 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	15	Comp	0959hrs	1028hrs	29 mins	N/A	3 mins	35.0 m	Comp	230	100
		SD	15	Comp	0959hrs	1028hrs	29 mins	N/A	3 mins	35.0 m	Comp	210	50
2		AD	15	Comp	1013hrs	1048hrs	35 mins	N/A	3 mins	40.0 m	Comp	220	60
		AD	12	Comp	1013hrs	1048hrs	35 mins	1 min	3 mins	40.0 m	Comp	200	50
		DL	12	Comp	1013hrs	1048hrs	35 mins	N/A	3 mins	40.0 m	Comp	210	60
3		DL	12	Comp	1049hrs	1123hrs	34 mins	N/A	3 mins	39.1 m	Comp	200	60
		AD	15	Comp	1049hrs	1123hrs	34 mins	N/A	3 mins	39.1 m	Comp	200	70
		DL	12	Comp	1049hrs	1123hrs	34 mins	N/A	3 mins	38.7 m	Comp	210	60
4		SADS	12	Comp	1110hrs	1138hrs	28 mins	N/A	3 mins	35.0 m	Comp	230	100
		SD	12	Comp	1110hrs	1138hrs	28 mins	N/A	3 mins	35.0 m	Comp	210	50

Date: Tue 24 Apr 07

Dive: Sixteen

Dive Location: Seven Sisters - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 25 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	15	Comp	1353hrs	1428hrs	35 mins	N/A	3 mins	23.1 m	Comp	214	50
		SD	15	Comp	1353hrs	1428hrs	35 mins	N/A	3 mins	23.1 m	Comp	210	40
2		AD	15	Comp	1356hrs	1434hrs	38 mins	N/A	3 mins	23.0 m	Comp	210	50
		AD	12	Comp	1356hrs	1434hrs	38 mins	N/A	3 mins	23.0 m	Comp	220	60
3		AD	2 x 12	Comp	1357hrs	1435hrs	38 mins	N/A	3 mins	23.1 m	Comp	220	50
		DL	12	Comp	1357hrs	1435hrs	38 mins	N/A	3 mins	22.8 m	Comp	220	50
4		DL	12	Comp	1442hrs	1522hrs	40 mins	N/A	3 mins	23.0 m	Comp	220	60
		AD	15	Comp	1442hrs	1522hrs	40 mins	N/A	3 mins	22.9 m	Comp	210	60
		DL	12	Comp	1442hrs	1522hrs	40 mins	N/A	3 mins	22.9 m	Comp	210	60
5		SADS	12	Comp	1454hrs	1529hrs	35 mins	N/A	3 mins	23.6 m	Comp	210	70
		SD	12	Comp	1454hrs	1529hrs	35 mins	N/A	3 mins	23.3 m	Comp	210	50

Date: Wed 25 Apr 07

Dive: Seventeen

Dive Location: Europa Reef - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 40 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SADS	15	Comp	0934hrs	1005hrs	31 mins	2 mins	3 mins	35.0 m	Comp	210	85
		SD	12	Comp	0934hrs	1005hrs	31 mins	2 mins	3 mins	35.0 m	Comp	210	50
2		DL	12	Comp	0941hrs	1020hrs	39 mins	2 mins	3 mins	31.6 m	Comp	215	60
		DL	12	Comp	0941hrs	1020hrs	39 mins	2 mins	3 mins	31.7 m	Comp	210	50
3		AD	15	Comp	0953hrs	1033hrs	40 mins	2 mins	3 mins	35.0 m	Comp	210	60
		SD	15	Comp	0953hrs	1033hrs	40 mins	2 mins	3 mins	35.0 m	Comp	210	60
4		AD	15	Comp	1023hrs	1102hrs	40 mins	2 mins	3 mins	35.2 m	Comp	200	70
		AD	2 x 12	Comp	1023hrs	1102hrs	40 mins	2 mins	3 mins	35.8 m	Comp	190/190	50/190
5		SADS	12	Comp	1038hrs	1117hrs	39 mins	2 mins	3 mins	32.9 m	Comp	220	60
		DL	12	Comp	1038hrs	1117hrs	39 mins	2 mins	3 mins	33.0 m	Comp	195	60

Date: Wed 25 Apr 07

Dive: Eighteen

Dive Location: The Seahawk - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 30 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	1334hrs	1408hrs	34 mins	3 mins	3 mins	28.1 m	Comp	220	60
		DL	12	Comp	1334hrs	1408hrs	34 mins	3 mins	3 mins	28.1 m	Comp	220	70
2		SADS	15	Comp	1338hrs	1411hrs	33 mins	3 mins	3 mins	28.4 m	Comp	215	90
		SD	12	Comp	1338hrs	1411hrs	33 mins	3 mins	3 mins	28.2 m	Comp	210	50
3		AD	15	Comp	1349hrs	1422hrs	33 mins	3 mins	3 mins	28.6 m	Comp	210	80
		AD	2 x 12	Comp	1349hrs	1422hrs	33 mins	3 mins	3 mins	28.6 m	Comp	210/175	80/175
4		AD	15	Comp	1424hrs	1501hrs	37 mins	3 mins	3 mins	28.6 m	Comp	215	50
		SD	15	Comp	1424hrs	1501hrs	37 mins	3 mins	3 mins	28.1 m	Comp	210	50
5		SADS	12	Comp	1427hrs	1502hrs	35 mins	3 mins	3 mins	27.1 m	Comp	220	60
		DL	12	Comp	1427hrs	1502hrs	35 mins	3 mins	3 mins	28.1 m	Comp	215	60

Date: Wed 25 Apr 07

Dive: Nineteen

Dive Location: Camp Bay - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 21 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	1620hrs	1639hrs	19 mins	N/A	3 mins	21.0 m	Comp	210	120
		DL	12	Comp	1620hrs	1639hrs	19 mins	N/A	3 mins	21.0 m	Comp	220	150
2		SADS	15	Comp	1627hrs	1702hrs	35 mins	N/A	3 mins	19.7 m	Comp	210	95
		SD	12	Comp	1627hrs	1702hrs	35 mins	N/A	3 mins	19.7 m	Comp	190	50
3		AD	15	Comp	1635hrs	1702hrs	27 mins	N/A	3 mins	12.6 m	Comp	200	80
		SD	15	Comp	1635hrs	1702hrs	27 mins	N/A	3 mins	12.6 m	Comp	210	120
4		SADS	12	Comp	1700hrs	1727hrs	27 mins	N/A	3 mins	28.3 m	Comp	210	110
		DL	12	Comp	1700hrs	1727hrs	27 mins	N/A	3 mins	18.7 m	Comp	200	110
5		AD	15	Comp	1717hrs	1757hrs	40 mins	N/A	3 mins	18.7 m	Comp	200	90
		AD	2 x 12	Comp	1717hrs	1757hrs	40 mins	N/A	3 mins	18.7 m	Comp	200/200	90/200

Date: Thu 26 Apr 07

Dive: Twenty

Dive Location: Los Picos - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 40 Meters
Max Time: 45 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	0934hrs	0938hrs	4 mins	N/A	N/A	26.6 m	Comp	205	150
		AD	15	Comp	0934hrs	0938hrs	4 mins	N/A	N/A	27.0 m	Comp	215	180
2		AD	15	Comp	0954hrs	1028hrs	33 mins	N/A	3 mins	39.5 m	Comp	210	60
		SADS	15	Comp	0954hrs	1028hrs	33 mins	N/A	3 mins	40.0m	Comp	210	50
3		DL	12	Comp	1010hrs	1041hrs	31 mins	N/A	3 mins	31.6 m	Comp	210	50
		SD	15	Comp	1010hrs	1041hrs	31 mins	N/A	3 mins	31.3 m	Comp	200	50
4		DL	12	Comp	1043hrs	1116hrs	33 mins	N/A	3 mins	40.0 m	Comp	215	50
		SADS	12	Comp	1043hrs	1116hrs	33 mins	N/A	3 mins	40.0 m	Comp	200	60
5		AD	2 x 12	Comp	1045hrs	1114hrs	29 mins	N/A	3 mins	35.0 m	Comp	210/210	60/210
		SD	12	Comp	1045hrs	1114hrs	29 mins	N/A	3 mins	35.0 m	Comp	210	50

Date: Thu 26 Apr 07

Dive: Twenty One

Dive Location: SS Excellence - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 30 Meters
Max Time: 40 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		DL	12	Comp	1347hrs	1422hrs	35 mins	N/A	3 mins	27.5 m	Comp	220	70
		AD	15	Comp	1347hrs	1422hrs	35 mins	N/A	3 mins	27.6 m	Comp	210	60
2		AD	15	Comp	1351hrs	1429hrs	38 mins	N/A	3 mins	28.1 m	Comp	210	50
		SADS	15	Comp	1351hrs	1429hrs	38 mins	N/A	3 mins	28.4 m	Comp	230	80
3		DL	12	Comp	1401hrs	1430hrs	30 mins	N/A	3 mins	26.7 m	Comp	220	90
		SD	15	Comp	1401hrs	1430hrs	30 mins	N/A	3 mins	26.3 m	Comp	210	60
4		AD	2 x 12	Comp	1415hrs	1447hrs	32 min	N/A	3 mins	26.8 m	Comp	210/210	60/210
		SD	12	Comp	1415hrs	1447hrs	32 min	N/A	3 mins	26.6 m	Comp	210	60
5		DL	12	Comp	1445hrs	1522hrs	37 min	N/A	3 mins	26.9 m	Comp	220	50
		SADS	12	Comp	1445hrs	1522hrs	37 min	N/A	3 mins	26.6 m	Comp	220	50
		SD	12	Comp	1445hrs	1522hrs	37 min	N/A	3 mins	27.2 m	Comp	230	70

Date: Thu 26 Apr 07

Dive: Twenty Two

Dive Location: 4 Dock - Gibraltar

SADS:
DSAD:S

O²:
First Aid:
Standby Diver: N/A
Max Depth: 10 Meters
Max Time: 30 Minutes

Pairs	Names	Quals	Cyl Size	CTC	Time Down	Time Up	Dive Time	Stops 9m	Stops 6m	Depth	SC	Air In	Air Out
1		SD	12	Comp	1640hrs	1704hrs	24 mins	N/A	N/A	4.0 m	Comp	210	150
		SD	12	Comp	1640hrs	1704hrs	24mins	N/A	N/A	4.0 m	Comp	215	160
2		AD	12	Comp	1642hrs	1705hrs	23 mins	N/A	N/A	4.0 m	Comp	200	150
		AD	15	Comp	1642hrs	1705hrs	23 mins	N/A	N/A	4.0 m	Comp	230	150

EXERCISE GIBRALTAR SAPPER (TIGER) – DIARY OF EVENTS

Monday 16 Apr 07

The expedition awoke early doors to assemble at Gibraltar barracks at 0400hrs for a smooth departure to Gatwick airport and joined the British Airways flight to Gibraltar. We arrived to sunny skies and a stiff breeze and were met at the airport by WO1 and Mr, who escorted us to our accommodation at Devils Tower Camp (DTC) and then to the Joint Physical Adventurous Training Unit (JPATU) at 4 Dock. Having received the mandatory safety briefs and guide to the facilities we returned to our accommodation and settled in. After a long day, SAC retired to bed at 1900hrs in readiness for his customary 12 hours hibernation.

Tuesday 17 Apr 07

First day of diving began with a 0715hrs 'fat boys' breakfast in DTC and then we all made our way to 4 Dock to set up the boats. It was a relatively painless exercise with everyone's morale high and us all skirting around Mr until he had had his morning coffee and three cigarettes. Our SADS RAMC gave the first brief and we were to go to Rosia bay to do our shake out dive. Our assistant SADS SSgt RLC gave us a nice insight into the history of the dive site (a trend which followed throughout the day). The Marie Celeste was brought here and Nelson's body was brought after the battle of Trafalgar. The dives were successful ensuring everyone was correctly weighted. The boat operating skill however was still in its infancy...especially for Captain RAMC who managed to 'bump' the RIB in the bay. Not only that the SADS dropped his weight belt and managed to successfully retrieve it from the murky depths. On the way back to 4 Dock Captain RE tore his cuff on his dry suit. Who would of thought it but the Navy Clearance Divers came to the RE Divers rescue (It's not true what we say). We did not have a chance to sort out packed lunches so Captain RE went to the nearest Chip shop and sorted us all out with chips. What a healthy nutritional lunch to fuel us up for another dive. The second dive of the day was on the 482 Cable Layer and it was without dramas. That was until SSgt surfaced feet first. Remedial buoyancy control required! The chiefs DTC provided an excellent dinner and we all went back to JPATU to debrief, meet the local divers, plan the next day dive, WO2 RE repaired leaky dry-suits and finish on some well earned beers.

Wednesday 18 Apr 07

After the usual early morning start we were briefed on the first dive of the day by Dive Marshal Captain RE who had selected the wreck of 'Helen' in 25 m of water just outside the Southern Mole. Site location was hampered by a large scaffolding obscuring one of the transits. We made an educated guess and dropped the shot that had been lovingly prepared by SAC. Following the spirit of the RAF recruiting slogan 'Rise above the rest' the shot weight was duly suspended above the bottom and gently bobbed downstream from the dive site. We extended the line by a few metres and re-sited... Given that we were unlikely to be 'danger close' the first pair had the onerous task of laying a distance line to the wreck. After 'fining' like maniacs into the current and performing something approaching a circular search pattern Captains RE and RAMC admitted defeat and surfaced up their DSMB, which had inconveniently managed to become snagged on the shot line, nearly leading to an unconventional ascent profile when Major decided to re-site the shot...

Most pairs treated themselves to a drift dive and a few emerged claiming to have found the objective.

Some excitement occurred when WO2 RE emerged without his buddy Captain RE, who emerged some time later to claim to have been striking a blow for all those 'Troopies' who were physically outclassed by their Warrant Officers.

After lunch LCpl briefed on the '432 transport and Batty's barge', our afternoon dive. The curse of the builders' struck again, and we searched the photographs of the transits for alternative features when we realised that a vital lifeguard chair had been demolished. With fingers crossed, divers descended the shot to find it perfectly placed astern of the port side and touching the hull. The site made for a good dive, with plenty of life around the two wrecks. A succession of DSMB disasters followed. SAC suspicions were first aroused when, having deployed his DSMB, he felt a strange loss of resistance and reeled in the line to find there was no longer a buoy attached to the end of it! Meanwhile Captains RE and RAMC suffered the misfortune of two jammed reels and were lucky to emerge with both reels, DSMB and reputations intact – until the evening where Spank was duly awarded to Captain RE for his not-so-brief attempt at solo diving. The evening lecture programme continued to gain qualifications.

Thursday 19 Apr 07

Another day, and another hearty breakfast was required for the hardest days diving so far, with 2 day dives, a lecture and a night dive planned. After a briefing by WO1 RE we headed out for the first dive of the day, the SS Excellence. Finally the sun began to shine and the water was like a millpond. The shot line was actually placed in the correct position again (wonders never cease) and all had a fantastic dive.

After some well earned packed meals, the second dive brief was given by Captain RE. We were diving the 'Ark of Jesus Christ', covering 4 wrecks around the Camp Bay area. After another successful deployment of the shot line, about 10 metres from one of the wrecks, the diving started. Most divers got to see at least two of the wrecks, with a few octopus sighted as well. The only blip was the fact that WO2 RE failed to recover the DSMB that was deployed to show where exactly the wreck was by the first divers down. This was forgotten when WO2 REME broke the RHIB steering cable and had to tow it in. Nominations later for them I think!

After fuelling our bodies with more food ready for the night dive, 5 expedition members and 3 divers from Joint Gibraltar Sub Aqua club 1317/s, attended the Basic Nitrox course lectures held by WO2 RE and all passed with flying colours.

The night dive finally arrived and SAC gave the brief on '482 Cable Layer' and left for the dive site. All seemed well, but not for long... LCpl forgot his computer and the RHIB had to return for him to collect it. Nominations just get better!

When the divers returned and squared away their equipment midnight approached. All had a long day, but another great day diving. Look forward to the Spank nominations.

Friday 20 Apr 07

After a late night (due to night dives) Major RAMC was kind enough to offer a half hour lie-in. This did little to refresh our tired bodies! The first dive of the day was organised by Captain RAMC, to 'HMS Erin'; two medium sized wrecks close to the detached mole. The weather was clear and calm and there were high expectations from the success of the previous day. The aim of the dive was to practice navigation on a simple bearing.

It had obviously been some time since WO2 RE had used a compass as he struggled to differentiate between bearings and back-bearings. For those who succeeded in following the route-card this proved to be a rewarding dive with lots of variation.

Lots of knook's and crannie's which housed abundant fish, spider crabs and octopus. Some managed

to see both wrecks and continue towards the detached mole for a shallow water drift dive.

After a hasty lunch, we then proceeded on the next dive to Canon Pile, organised by WO2 RE. The shot line was dropped in order to guide us into the pile of cannon ball's and several large cannon's, however the first pair down encountered only deep blue water. Fortunately the gentle current led the pair onto a familiar site; the SS Excellence. Due to the unpredictable currents caused by the tide this resulted in a variation of dives across the breakwater, ranging from successive wrecks to gentle drift dives on the rock face. After the usual end of day debrief we retired for a quiet night of watching "Into the Blue" – a diving oriented DVD.

Saturday 21 Apr 07

The day started with a much-needed late start, which was welcomed by all the expedition members only to wake up to some bad weather. After the dive brief by Captain RE the boats were loaded and we set off for the 'SS Excellence'. The shot was dropped very quickly as we now knew this site and was confident of its placing. The diving started and indeed the shot was perfectly placed. Whilst the diving was happening LCpl decided to throw away Big G's dive flag never to be recovered. WO1 RE even managed to get around the wreck with out trying to fit into the smallest place he could fit.

After lunch and a brief by LCpl on the 'SS Rosslyn', we set out again. The weather was still poor and would only get worse as the afternoon progressed. Another slick shot deployment and the diving commenced. One of the boats had to return to collect a cylinder, as somebody thought, that they could dive without air (Major RAMC a big nomination for that one).

There was a good current running over the wreck so most decided to stay in and around the wreck. The site is a good size and would require a couple of dives to see in its entirety. Almost everybody agreed that this would need to be dived again. This evening the expedition is going out for a meal and to have a look around the town to see what it has to offer as tomorrow there is no diving.

Sunday 22 Apr 07

Day 7 and our well deserved day off. Everyone had a nice lay-in until 1100hrs when 6 members got up to be at the top of the rock for a trip around St Michaels Caves at 1200hrs. We were greeted by RSM of the Gibraltar Regt, who took us on a guided tour of the caves. Before we entered the caves we watched about 6 apes patrolling the roads, so we saw the famous Rock Apes!

So we entered an amazing underground, lasted for about 2 hours. When we got out we watched a family of apes playing, fighting and trying to get some food from tourists. We managed to get very close, closer than the zoo, very good experience and then headed back to DTC.

The rest of the day consisted of people recovering and doing admin. That evening we went out for a Pizza Hut meal. The day off finished with a nice early night ready for a good hard week of work diving.

Monday 23 Apr 07

After a well deserved day off it was back into the swing of things with 3 day dives planned. WO1 RE kicked off the briefings with our first wreck being the 'Pilot Boat'. The dive brief was given and it was all hands to the pumps to load diving kit and boat stores. The trip out was very short to the entrance of the North Mole with our main SADS Major RAMC locating the transits and dropping the shot.

The first pair down found that the wreck was indeed very small and the shot had only missed by a couple of meters. The dive was conducted with an average depth of 34 meters and exercise personnel conducting simulated DECO stops for the progression for the rest of the week. All divers were recovered and the team made the way back to fill cylinders and have a few hours to 'off gas' before dive three.

Captain RAMC kicked off the second brief which was the wreck of the 'El Pipo' this was an old wreck

that had been flattened over the years by tidal action. Joint Gibraltar Sub Aqua Club 1317/s had then sunk a tug boat on top of her as part of the artificial reef programme. The wreck on top of 'El Pipo' was un-named in the guide book. Cylinder squeezed and kit loaded we headed out the short distance to the site by Rosia Bay. SSgt was first down the shot which was smack on the wreckage of 'El Pipo'. When he secured the shot and turned around he could not believe the size of the tug which sat across the flattened mid-ships of 'El Pipo'. The dive was limited to 25 meters and most of the expedition managed to do the maximum time of 40 minutes surface to surface. SAC was having a bad day with first leaving his weight belt behind on the first dive and then losing an expensive torch belonging to 4 Dock. He spent his time on the dive recovering the above item much to the amusement of his fellow divers. Dive completed and just after lunch time, we headed back to 4 Dock to prepare for our third and final dive of the day.

The last dive of the day was the by now well known site of 'The Ark'. LCpl briefed the team and all were in top form after two tiring dives. The shot landed perfectly on the wreckage of the ark and the divers began to enter in waves. The plan was to start at 'the Ark' then move onto the 'Sea Master' and finally end up on the 'Basha'. Most of the pairing managed this but certain pairs missed the 'Basha' and conducted a 'Grot Dive' on the sea bed and finding nothing but empty sea shells and fishing shot weights.

All dives completed, equipment packed away and a well deserved beer was had by all. The dives were de-briefed and the nomination for the mascot 'Spank' went to SAC 'Badmin'. The team then headed into town and had a curry and beer to finish off the day. Banter was flowing and we all looked forward to what tomorrow will bring.

Tuesday 24 Apr 07

Another day in paradise was the cry from the ranks on another glorious day in Gibraltar. Again we had been blessed with a lovely day of weather and it soon become apparent that the day would also bring some more excellent diving but also a few chuckles to go with it! Major RAMC started the day well, whilst fuelling the RHIB "Alex" he decided that it would be a good idea to also give the boat a good washing down in the process.

The first dive brief of the day was prepared and delivered by Captain RAMC in what can only be described as an enthusiastic and eccentric manner!! The team sparked and off we went heading towards 'Los Picos', a site lying south of Europa point. The crew of "Big G" had been charged with locating the transits and deploying the shot but a slightly heated discussion between Captain RAMC and WO2 RE didn't quite manage to identify the drop off point. However, all was not lost and Major RAMC and the crew of "Alex" soon identified the desired location.

Los Picos proved to be a real peach of a site and the five star rating given in the local guidebook is more than warranted for this dive. A wall dive one side with a step drop off down to 66 metres and the other a nice gentle rolling of rocks and sandy bottoms. Lots of life, some very, very large Stone fish, strange fish with blue edged wings and large crabs were all seen by most divers on this site. A challenging dive with lots to see and also plenty to keep your mind on the skills and drills required for safe diving.

Dive two for the day was a three site dive prepared and delivered by WO1 RE. The wreck of the 'Molly-Mock', 'Landing craft' and the 'Seven Sister's' rocky outcrops located just south of the South Mole.

The "Molly" proved to be a novice wreck divers heaven with large open spaces, easy penetration and even a bath for divers to grab another photo opportunity. LCpl decided that he'd put this to good use and must have had at least 200 MB of digital space reserved for just such a bath! Navigation was also flavour of the day as NO divers managed to locate the Landing Craft. The seven sisters proved to be a lively site with current close to the rocky outcrops forcing divers to ensure there buoyancy was up to

scratch, well almost all!

Lots of life, little nooks and crannies provided lots of little spaces for divers with cameras to get some good quality shots. Another good dive that also deserved a five star rating.

A debrief followed by a quick cold one and another fun packed Spank nomination. The running was close between SSgt RE and Captain RAMC but WO2 RE walked away with the prize. This put the divers in good stead before another fun packed evening of dive lessons, planning and theory tests.

Wednesday 25 Apr 07

As the exercise approaches its twilight days, fewer and fewer people seem to make breakfast. In spite of this, everyone appeared at the minibus and we departed, on time. The journey through rush-hour traffic can only be described as manic and needs to be experienced to be believed. But we pushed through and arrived on site ready for another day of full on diving!

The weather was overcast and the threat of rain loomed over Gibraltar. Trying not to let this bother us, we busied ourselves preparing personal kit and the boats for departure. The first dive brief of the day was by SAC our destination was the 'Europa Reef'. This shot line proved to be slightly off, which resulted in a good 5 minute fin to the start of the reef. This dive proved to be quite cold for the wetsuit divers, as depths of 40m could be reached. This did not detract from the quality of the dive and all pairs reported it as an enjoyable dive. WO1 "Ling" RE saw, yes, yet another Ling!

The return trip preceded a short lunch break where the cylinders were charged and the boats quickly turned around. Dive 2 was to consist of a very thorough brief by WO2 RE on the 'Deco' dive on the Seahawk. As this was new ground for the newly qualified sports diver's time was taken on safety procedures and the extra equipment required. The dive ran like clockwork with a well placed shot and an interesting wreck to explore. SSgt RE selflessly threw himself overboard when the signal was seen that a deco cylinder was required by a buddy pair, nobody new why!

The third and final dive was a trio of wrecks in sheltered water of less than 25m. This dive was managed by WO1 "Ling" RE. As the shot was not on the wreck, Captain RE decided to drag the 25kg shot around the seabed until he found it, again nobody new why! Spank was awarded for this very reason later in the day. This series of wrecks proved good navigational exercise with only a few pairs seeing all 3 wrecks. The evening finished off with the 8 Nitrox divers completing their Nitrox qualification with WO2 RE, followed by a few "wets" while watching the football.

Thursday 26 Apr 2007

The last day of diving on the expedition was upon us, the team decided the days diving should be of the best sites visited on the expedition. It did not take long for the group to decide that the 3 sites of the day should be 'Los Picos', 'SS Excellence' and 'El Pipo'.

SAC gave the first briefing for 'Los Picos', briefing complete we loaded up and headed out to the site. The shot was deployed and the first divers down the shot had a surprise when reaching the shot weight to find it floating in free water, SAC does it again remedial measuring required I think!

The remainder of the divers had an excellent dive down to 40m qualifications permitting. When all divers were recovered it was a fast trip back to 4 Dock to fill cylinder, eat out packed meals and 'off gas' before dive 2.

Dive 2 was on the 'SS Excellence' every member of the expedition wanted to dive this site one last time. The shot went down without a problem as the transits are embedded in our brains. The

waves went in and the weather picked up and started to blow a force 2. WO2 RE was soon to realise that WO2 RE likes to 'lobster wrestle'. WO2 RE found a lobster in the wreck that was as big as WO2 RE and decided to become best friend with it, much to the lobster dislike.

The wind had increase to 3-4 as the last pair were picked up, so the shot was recovered and it was a bumpy ride into the shelter water of 4 Dock to get equipment ready for the last dive of the expedition.

Mr informed the expedition when we arrived back at 4 Dock that a Navy vessel had radioed a warning of a large oil slick heading into the bay.. The last dive had to be cancelled as the booms had to be closed at the entrance. This did not stop 4 members of the expedition living up to the motto of 'never say die'. These brave few decided to plan a shallow dive in 4 Dock looking for 'treasure' that is misplaced off the jetty. The dive proved to be a nil visibility dive and no 'treasure was found'.

All kit was washed down and hung out to dry expedition members filled in dive logs and signed off dives. The last spank nomination of the expedition went to Major RAMC who all day had been making mistakes and the final straw was the bumping of 'Big G' off several boats in 4 Dock whilst showing off and trying to berth backward, much to the amusement of the team and JPATU staff.

Friday 27 Apr 07

After an Expedition meal and a bit of a late night on the town the expedition made its way back to 4 Dock to hand back all equipment. This was a painless task and was completed quickly. The only items missing were a dive flag that was lost over the side of the RHIB at the beginning of the expedition and a Beaver diving torch that could not be locate. The cost of the torch was worked out by the helpful Mr and the debt was settled at a cost of £10 per person.

We wished the staff at 4 Dock a fond farewell at 1400hrs and gave them a case of wine for their help over the past 12 days. We made our way back to DTC and had to then pack our lives away ready for the journey home. The afternoon consisted of plenty of packing and then re-packing to ensure that we were not going to get stung with any access baggage charges. Individuals sat diving exams and others went into town for some last minute duty free shopping.

We made our way to the Airport at 1800hrs to get baggage checked in and relax for an hour and a half before the plane took off. Many expedition members were asked to report to the search room to explain various suspicious looking items (mainly small buoyancy cylinders); thank god no rubber gloves were needed. The plane journey was uneventful apart from Major RAMC getting funny looks for having 'Spank' on his head for the whole time, the cabin crew loved it.

At arrival at Gatwick Airport the transport was waiting and all baggage was accounted for, so everyone said goodbye and made their way back to their various locations around the country. The expedition was a 100% success gaining advanced qualification to many involved, and very challenging diving was conducted making all members of the expedition work hard.