

INTER-AMERICAN TROPICAL TUNA COMMISSION

SCIENTIFIC ADVISORY COMMITTEE

ELEVENTH MEETING

La Jolla, California (USA)

2020*

DOCUMENT SAC-11 INF-A(I)

**2019 ANNUAL SCIENTIFIC OBSERVER REPORT FOR EU (PORTUGAL)
LONGLINE FISHERY IN THE ANTIGUA CONVENTION AREA**

*Postponed until a later date to be determined

| INFORMACIÓN DE LA FLOTA (buques >20 m eslora total) | | | | | | | | | | | | | | | | | | | |
|---|-----------------|---------------------------------|---------|------------|--------|-------------|------------|--|---------|------------|--------|-------------|------------|---|---------|------------|--------|-------------|------------|
| Periodo cubierto | | Ambos tipos de lance combinados | | | | | | Lances someros (<15 APC/AEF ¹ o <100 m profundidad máx. de los anzuelos) | | | | | | Lances profundos (≥15 APC/AEF o ≥100 m profundidad máx. de los anzuelos) | | | | | |
| | | Desde | | | Hasta | | | Desde | | | Hasta | | | Desde | | | Hasta | | |
| | | Día | Mes | Año | Día | Mes | Año | Día | Mes | Año | Día | Mes | Año | Día | Mes | Año | Día | Mes | Año |
| Área de pesca | Rango de fechas | 1 | JAN | 2019 | 31 | DEC | 2019 | 1 | JAN | 2019 | 31 | DEC | 2019 | 1 | JAN | 2019 | 1 | DEC | 2019 |
| | Longitud | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio |
| | Latitud | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio | Grados | Minutos | Hemisferio |
| | | Total flota | | Observado | | % observado | | Total flota | | Observado | | % observado | | Total flota | | Observado | | % observado | |
| Núm. de buques que pescaron | | 4 | | 1 | | 25 | | 4 | | 1 | | 25 | | | | | | | |
| Núm. de viajes | | | | 1 | | | | | | 1 | | | | | | | | | |
| Núm. de días efectivos de pesca | | 286 | | 47 | | 16 | | 286 | | 47 | | 16 | | | | | | | |
| Núm. de lances | | | | 52 | | | | | | 52 | | | | | | | | | |
| Núm. de anzuelos (en miles) <i>Si se desconoce, núm. aprox. de anzuelos/lance, marcándola con un *</i> | | | | 79 | | | | | | 79 | | | | | | | | | |
| Tipo/tamaño de anzuelo predominante ² (Código CIAT) | | J | | J recto | | | | J | | J recto | | | | | | | | | |
| Tipo de cebo predominante ³ | | Seleccione | | Seleccione | | | | Seleccione | | Seleccione | | | | Seleccione | | Seleccione | | | |

¹ Anzuelos por canasta/Anzuelos entre flotadores

² "Predominante" significa el más común, o sea, >50%

[Haga clic para ver los códigos de la CIAT](#)

³ Código de cebo: SQ – calamar; F – pescado (por ejemplo, Scomber spp.), A – señuelo artificial (por ejemplo, cebo de plástico)

Añadir comentarios adicionales a continuación

Numero aproximado de anzuelos/lance = 1537

| ESPECIES NO RETENIDAS (buques >20 m eslora total) | | | | | | | | | | |
|--|---|----------------------------------|---------|-----------------------|--|---------|-----------------------|--|---------|-----------------------|
| Código especie | Especie | Núm. de individuos observados | | | | | | | | |
| | | Ambos tipos de lances combinados | | | Lances someros (<15 APC/AEF o <100 m profundidad máx. de los anzuelos) | | | Lances profundos (≥15 APC/AEF o ≥100 m profundidad máx. de los anzuelos) | | |
| | | Liberados | | | Liberados | | | Liberados | | |
| | | Vivos | Muertos | Condición desconocida | Vivos | Muertos | Condición desconocida | Vivos | Muertos | Condición desconocida |
| Tortugas marinas | | | | | | | | | | |
| DKK | Tortuga laúd (<i>Dermochelys coriacea</i>) | 1 | | | 1 | | | | | |
| TTH | Tortuga carey (<i>Eretmochelys imbricata</i>) | | 1 | | | 1 | | | | |
| | Haga clic para agregar una especie de tortuga marina | | | | | | | | | |
| Tiburones y rayas | | | | | | | | | | |
| | Haga clic para agregar una especie de tiburón o raya | | | | | | | | | |
| | Para especies adicionales capturadas, ingrese el código de especie y la especie en las filas a continuación | | | | | | | | | |
| | | | | | | | | | | |
| Mamíferos marinos | | | | | | | | | | |
| | Haga clic para agregar una especie de mamífero marino | | | | | | | | | |
| | Para especies adicionales capturadas, ingrese el código de especie y la especie en las filas a continuación | | | | | | | | | |
| | | | | | | | | | | |
| Aves marinas | | | | | | | | | | |
| | Haga clic para agregar una especie de ave marina | | | | | | | | | |
| | Para especies adicionales capturadas, ingrese el código de especie y la especie en las filas a continuación | | | | | | | | | |
| | | | | | | | | | | |
| Peces picudos | | | | | | | | | | |
| | Haga clic para agregar una especie de pez picudo | | | | | | | | | |
| Añadir comentarios adicionales a continuación | | | | | | | | | | |
| | | | | | | | | | | |

INTER-AMERICAN TROPICAL TUNA COMMISSION

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TENTH MEETING

San Diego, California (USA)

13-17 May 2019

DOCUMENT SAC-10 INF-A(e)

2018 ANNUAL SCIENTIFIC OBSERVER REPORT FOR EU (PORTUGAL) TUNA
LONGLINE FISHERY IN THE IATTC CONVENTION AREA

IATTC reporting obligations on resolution C-11-08 on scientific observers for longline
vessels

Portugal | 2018

1. Vessels authorized in 2018 for IATTC area

Table 1: Vessels authorized for IATTC area in 2018

| Registration Number | Vessel's name | National ID Number | Fishing Gear |
|---------------------|--------------------|--------------------|------------------|
| PRT00000115 | ILHA BRAVA | L-3-N | Surface Longline |
| PRT000001538 | VERDEMILHO | V-1065-C | Surface Longline |
| PRT000001540 | VISTA ALEGRE | A-3148-C | Surface Longline |
| PRT000016119 | ARTICO | PD-400-N | Surface Longline |
| PRT000016290 | COSTA DE SAO JORGE | PD-464-C | Surface Longline |
| PRT000023097 | BALUEIRO | O-2178-N | Surface Longline |
| PRT000022914 | AVO MUSICO | V-24-N | Surface Longline |
| PRT000022649 | VALMITÃO | PM-1291-N | Surface Longline |
| PRT000023043 | NOVO RUIVO | V-25-N | Surface Longline |
| PRT000023093 | ALMA LUSA | PM-1269-N | Surface Longline |
| PRT000019088 | HEMISFÉRIO NORTE | V-1105-N | Surface Longline |

2. Vessels operating in 2018 in the IATTC area

Table 2: Vessels operating in the IATTC area in 2018

| | | | |
|--------------|------------------|----------|------------------|
| PRT000016119 | ARTICO | PD-400-N | Surface Longline |
| PRT000023097 | BALUEIRO | O-2178-N | Surface Longline |
| PRT000019088 | HEMISFÉRIO NORTE | V-1105-N | Surface Longline |

3. Description of the fishery

The fishery in the IATTC area is exclusively composed by surface longliners targeting swordfish.

The report of the scientific observer describes this fishery as one that utilizes a nylon cable hanged between buoys and other smaller floating elements. The hooks are interleaved between all floating devices, using mackerel and squid as baiting.

For the upcoming years no significant changes are foreseen in this fishery. The number of active vessels is expected to remain within the current level.

The Portuguese Administration maintains regular contact with the industry present in the IATTC RA, including technical meetings to address specific topics, such as the preparation of the annual meeting. Information on management and conservation measures are always transmitted to the relevant industry in order to assure compliance with IATTC CMM.

Manuals have been provided by the PRT Scientific Institute to properly address the disentanglement of sea turtles, and the necessary gear is present on board these vessels. A separate logbook is utilized by the captain to register all interactions and information about the local (lat/long), species and status after release (dead/alive) is registered and transmitted by the captain to the Administration.

4. Total fishing days in the year of the longline fleet

| Vessel | Number of fishing days |
|------------------|--------------------------------------|
| ARTICO | 262 days, 2 hours, 47 minutes |
| BALUEIRO | 364 days, 21 hours, 0 minutes |
| HEMISFÉRIO NORTE | 102 days, 17 hours, 15 minutes |
| Total | 729 days, 17 hours, 2 minutes |

5. Observer coverage percentage (measured in fishing days)

The observer coverage was 4,25% equivalent to 31 fishing days (26/10/2018 to 27/11/2018), from a total of 729 days.

6. Total catch by vessels with observers on board & species composition of catches in vessels with observers on board

Table 2. List of main species recorded by scientific observer on longline fishery in the Convention Area in 2018 calendar year (October-November) – Vessel “Balueiro”

| Codigo FAO | Nombre Cientifico | Nombre Comum | Piezas | Peso Vivo Kgs |
|-------------------|-----------------------------------|---------------------|---------------|----------------------|
| SWO | <i>Xiphias gladius</i> | Pez espada | 963 | 41468,2 |
| BSH | <i>Prionace glauca</i> | Tiburón azul | 164 | 5116,0 |
| DOL | <i>Coryphaena hippurus</i> | Lampuga | 159 | 1061,2 |
| BET | <i>Thunnus obesus</i> | Patudo | 99 | 5045,0 |
| YFT | <i>Thunnus albacares</i> | Rabil | 6 | 325,7 |
| ALB | <i>Thunnus alalunga</i> | Atún Blanco | 16 | 253,4 |
| MLS | <i>Tetrapturus audax</i> | Marlin rayado | 43 | 1261,1 |
| LEC | <i>Lepidocybium flavobrunneum</i> | Escolar negro | 1 | 12,3 |
| | | TOTAL | 963 | 54542,9 |

7. Number of vessels with observers on board

Only vessel “Balueiro” carried an observer on board, whose coverage corresponded to 8,51% of the vessel’s fishing effort.



8. Number of sea turtles or sea birds caught incidentally on trips with observers

There were no interactions with sea turtles or seabirds on trips with observers. The observed vessel utilizes three mitigation measures for sea birds, namely:

- 1- Hook sinking system,;
- 2- Night setting of the longline; and
- 3- Use of tori lines.

9. Number of sharks caught in trips with observers?

Concerning the species *Prionace Glauca* (BSH) the procedure used on board was in line with the Regulation (EU) n. 605/2013, of 12 June.

10. Number of hooks used on fishing trips with observers

1680.

11. Type of hooks used

J-RECTO.

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La Jolla, California (USA)

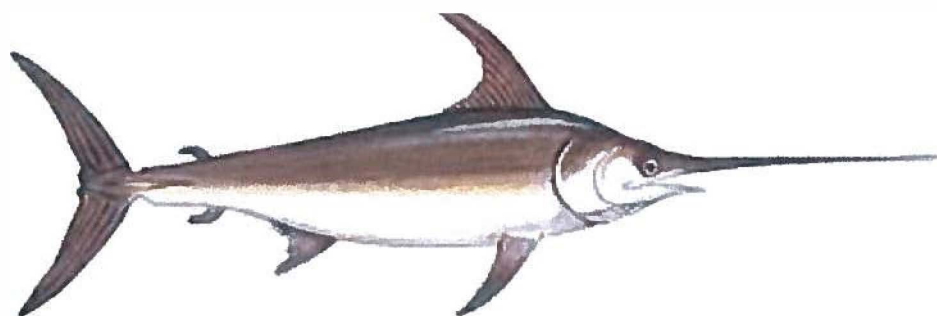
8-12 May 2017

DOCUMENT SAC-08 INF A(g)

Relatório Final de Viagem

BALUEIRO CUIB8

Observador Silvestre Ramos Natário - 8 de Fevereiro de 2017



Empresas intervenientes :



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Introdução

O presente relatório, é um documento elaborado pelo observador Silvestre Natário colaborador da empresa Promarinha que relata a missão a sua missão no navio BALUEIRO CUIB 8. O embarque iniciou-se no dia 29 de Novembro 2016 no porto de Paita -Peru e terminou a 19 de Janeiro 2017 no meio do Pacífico. O observador fez transbordo para o navio Puntal de Agüete com registo em Vigo, para regressar a terra tendo chegado ao porto de Callau, Lima-Peru no dia 2 de Fevereiro 2017.

O observador assistiu diariamente a todos os lances realizados no Navio Balueiro, tendo registado os dados biométricos das capturas que vinham a bordo. As capturas encontram-se reportadas nas folhas de registo em anexo.

Áreas de pesca

A pesca ao Espadarte foi efectuada em águas internacionais, mais propriamente na zona FAO 87 que é denominada Pacífico Sudoeste.

Arte

A arte de pesca usado pelo navio Balueiro foi o palangre de superfície dirigida ao espadarte SWO (*Xiphias gladius*). Esta arte, tem como metodologia o uso de vários anzóis, anzóis estes com a forma J, auxiliado de bóias e lâmpadas. As bóias usadas a bordo foram de dois tipos, uma com um diâmetro de 60 cm que era acompanhado de rádio baliza/GPS e outras com diâmetro de 30 cm.

Todos os anzóis utilizados, eram iscados com isco morto mais propriamente com cavala e sardinha. Cada anzol também era acompanhado de uma lâmpada fluorescente de cor verde.

Processamento

O peixe pescado e retido a bordo era processado da seguinte forma: primeiramente era medido, depois descabeçado, eviscerado e por fim lavado. Depois de lavado era devidamente condicionado no túnel de congelação a uma temperatura de -50°C durante 12 horas. Uma vez que o peixe atingi-se o ponto de congelação exigido, era retirado do túnel de congelação para ser estivado no porão.

A espécie SWO (*Xiphias gladius*) antes de ser estivada no porão a uma temperatura de -35 °C, era colocado numa manga plástica e numa manga de tecido elástico onde era devidamente etiquetado. A etiqueta era composta pelo nome científico da espécie, número de lote, número de registo sanitário, método de produção e zona de captura.

No caso dos tubarões *Isurus oxyrinchus* (SMA) e do tubarão *Prionace glauca* (BSH), as suas barbatanas eram semi-cortadas do tronco e fixas ao corpo com uma fita-cola apropriada, esta técnica de processamento cumpria com as exigências REG.(EU) N°605/2013 do parlamento Europeu e do conselho de 12 de Junho de 2013.

Capturas e estimativas

Os pesos das capturas foram estimadas através das tabelas de relação tamanho/peso para cada espécie. Tabeas estas, do Instituto Espanhol de Oceanografia-Centro Costero de A Coruña.

| FAO | Nome Cientifico | Peso processado |
|-------|----------------------------|-----------------|
| ALB | Thunnus alalunga | 33 |
| BUM | Makaira nigricans | 745 |
| LEC | Lepidocybium flavobrunneum | 723 |
| WAH | Acanthocybium solandri | 723 |
| Total | | 34762 |

Diário de Pesca

Durante a minha estadia não houve nenhuma ocorrência que impedisse o envio do diário de pescas a DGRM Portugal, como também o Monicap sempre funcionou sem qualquer problema.

Inspeções

Durante a minha estadia não houve nenhuma inspeção.

Resumo das capturas totais retidas a bordo

Resumo das capturas totais durante o pedido de 6/12/2016 até 14/02/2017.

| FAO | Nome Cientifico | Peso processado |
|-----|-------------------|-----------------|
| SWO | Xiphias gladius | 23026 |
| SMA | Isurus oxyrinus | 585 |
| BSH | Prionace glauca | 8656 |
| BET | Thunnus obesus | 233 |
| YFT | Thunnus albacares | 28 |

Outras Informações

O observador Silvestre Natário aproveita esta secção do relatório para dizer que foi excelentemente tratado durante toda a sua missão. O observador afirma que o sucesso da sua missão deve-se em grande parte a toda a tripulação, onde esta colaborou sem qualquer hesitação. A colaboração do Capitão Arturo Vidal ,como a do 1º Oficial Jesus, foram excepcionais dispondo qualquer material ou informação que fosse necessário para completar a missão com sucesso.

O observador também aproveita este mesmo espaço para tecer elogios aos cozinheiros, onde foi incrivelmente bem recebido e bem tratado.

Para a finalizar este documento, o observador também quer agradecer ao Capitão do Navio Puntal de Agnete Ramon Juncal pela disponibilidade e excelente recepção na viagem de retorno a terra .

Anexos

Os seguintes documentos são as folhas de registo diário da missão. Estas foram passadas a limpo, visto que as originais estão degradadas e contaminadas de sangue. É de salientar que apenas foi registado um evento relacionado com tartarugas. O único evento da tartaruga, correu de maneira simples, esta não veio a bordo porque a mesma soltou-se prontamente quando o cabo foi puxado. Relativamente as aves, não ocorreu nenhuma ocorrência muito devido a área que estávamos a pescar, e também porque a maioria dos lançamentos de aparelho terem sido realizados depois do por do sol.

LONGLINE GEAR FORM

F2

VESSEL: Balueiro - CUIB8 SAMPLE No: _____ OBSERVER: Silvestre Ramos Natário

| | | | | | | | |
|---------------------|-------------------|------------------------|--------------------|-----------------------------------|-----------|--|----------|
| Registration | OLHAO 0-2178-N | Length | 39,2 m | Fuel capacity | 66034 gal | Number of crew | 17 |
| Company name | Torres & Gago | Width | 8,4 m | Fuel used | 26144 gal | Water capacity | 3170 gal |
| Captain Name | Arturo Vidal | Draft | 4,6 m | Type of fuel | Diseal | Catch conserve method | Freon |
| Departure date/time | 30-11-2016; 12:00 | Distance deck to water | 0,8 m | Type (fibra-mother ship) | - | If the vessel is a 'fibra', ↓ name of mother ship ↓ | |
| Arrival date/time | 2-02-2017; 20:00 | Well capacity | 119 m ³ | Number of fibras | - | - | |
| Departure port | Paita-Peru | Main motor | 1000HP | Navigation and fishing equipment: | | | |
| Arrival port | Callau-Peru | Aux. motor | 2 x 360HP | | | | |

| Characteristics | Quantity | Material * | Diameter | Length | Color * | Distance btwn. hooks ↓ | Max. hooks on mainline ↓ | Number of lights ↓ | Number of radio buoys ↓ |
|----------------------|------------|------------|----------|---------|---------|--|--------------------------|--|-------------------------|
| Mainline | | 3 | 3,6 mm | 70 Nm | 11 | 88 m | 1400 | 1400 | 18 |
| Upper gangion | | x | 1,5 mm | 30 fath | 11 | Mainline weights: Yes (x) No () | | Mainline retrieval By hand () Manual crank () Hydraulic crank (x) Other _____ () | |
| Middle gangion | | x | 1,5 mm | 45 fath | 11 | | | | |
| Lower gangion | | x | 1,5 mm | 60 fath | 11 | Dropline connection to mainline: Knots () Snaps (x) | | | |
| Floatline / dropline | | 3 | | x cm | 2 | Fishing gear diagram | | | |
| Buoy | Max 18 GPS | 8 | 60 cm | | 4 | | | | |
| Flag | 0 | - | | | - | | | | |
| Float | 360 | 8 | 35 cm | | 3-4 | | | | |

| Hooks | Type (J/C) | Size | J-straight/J-curved | Material* | Manufacturer | Offset | Ring (Yes/No) | Other details | Observations |
|--------|------------|--------|---------------------|-----------|--------------|--------|---------------|---------------|-----------------------------------|
| Hook A | J | 6,5 cm | J-Straight | 16 | Mustad | - | NO | | Blue and green lamps on each hook |
| Hook B | | | | | | | | | |
| Hook C | | | | | | | | | |

* Use numbers from code tables

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 1 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|-----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------------------|--|---------|----------------------------|------------------|--------|--|--|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 6-12-2016 | LAT | 18°23 | 17°53 | 17°41 | 18°32 | 1100 | 1100 | | | Bait 1 | Scomber scombrus | 100 | | |
| | LON | 92°56 | 92°57 | 92°46 | 92°54 | | | | | Total no. of hooks in set: | 1100 | Bait 2 | | |
| | TIME | 0:30 | 5:30 | 12:45 | 23:30 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 21,4 | 5 | 24 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | | |

Observations: **X**

| Set number | 2 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|---------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------------------|--|---------|----------------------------|------------------|--------|--|--|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 6-12-16 | LAT | 18°32 | 17°43 | 18°05 | 18°18 | 1100 | 1100 | | | Bait 1 | Scomber scombrus | 100 | | |
| | LON | 92°54 | 92°49 | 92°59 | 92°56 | | | | | Total no. of hooks in set: | 1100 | Bait 2 | | |
| | TIME | 23:45 | 5:45 | 10:00 | 0:41 | | | | | No. of hooks lost: | - | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 21,6 | 5 | 24 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | | |

Observations: **X**

| Set number | 3 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|---------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------------------|--|---------|----------------------------|------------------|--------|--|--|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 7-12-16 | LAT | 18°19 | 17°40 | 17°49 | 17°42 | 1100 | 1100 | | | Bait 1 | Scomber scombrus | 100 | | |
| | LON | 92°55 | 92°39 | 92°54 | 92°45 | | | | | Total no. of hooks in set: | 1100 | Bait 2 | | |
| | TIME | 0:42 | 6:40 | 9:50 | 2:00 | | | | | No. of hooks lost: | 1 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 21,6 | 5 | 24 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8 SAMPLE No: _____ OBSERVER: Silvestre Ramos Natário

| Set number | 4 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------------------|--|----------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 10-12-16 | LAT | 20°58 | 21°31 | 21°44 | 21°08 | 1400 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 96°08 | 96°15 | 96°03 | 96°12 | | | | | Total no. of hooks in set: | 1400 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:25 | 3:55 | 9:01 | 22:45 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 22,4 | 5 | 24 fath | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | | | | |
| SWO | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | | |

Observations: **X**

| Set number | 5 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------------------|--|----------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 11-12-16 | LAT | 21°05 | 21°24 | 21°31 | 20°52 | 1300 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 96°12 | 96°28 | 96°18 | 96°24 | | | | | Total no. of hooks in set: | 1300 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:53 | 22:53 | 9:28 | 21:30 | | | | | No. of hooks lost: | - | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 22,4 | 5 | 24 fath | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | | | | |
| SWO | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | | |

Observations: **X**

| Set number | 6 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------------------|--|----------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 12-12-16 | LAT | 20°52 | 21°47 | 21°24 | 96°21 | 1800 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 96°23 | 96°20 | 96°29 | 21°48 | | | | | Total no. of hooks in set: | 1800 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 21:35 | 5:00 | 8:55 | 2:10 | | | | | No. of hooks lost: | - | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 22,6 | 5 | 24 fath | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | | | | |
| SWO | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | | |

Observations: **X**

LONGLINE SET FORM

F3

 VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

 OBSERVER: Silvestre Ramos Natário

| Set number | 7 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|------------------------------|---------------------------------------|------------------------------|---|---------------------------------------|-------------------------|-------------------------------------|----------------------------|---|------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 14-12-16 | LAT | 21°49 | 21°28 | 21°46 | 20°53 | 1250 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 98°25 | 98°49 | 98°24 | 98°38 | | | | | Total no. of hooks in set: | 1250 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 15:00 | 3:18 | x | 19:55 | | | | | No. of hooks lost: | | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,6 | No. hooks btwn. floats 5 | Avg. hook depth 24 fath | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

 Observations: **X**

| Set number | 8 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|------------------------------|---------------------------------------|------------------------------|---|---------------------------------------|-------------------------|-------------------------------------|----------------------------|---|------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 14-12-16 | LAT | 20°53 | 21°38 | 21°19 | 21°02 | 1250 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 98°38 | 98°16 | 98°47 | 98°23 | | | | | Total no. of hooks in set: | 1250 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 20:04 | 2:53 | 8:48 | 22:20 | | | | | No. of hooks lost: | - | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,8 | No. hooks btwn. floats 5 | Avg. hook depth 24 fath | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

 Observations: **X**

| Set number | 9 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|------------------------------|---------------------------------------|------------------------------|---|---------------------------------------|-------------------------|-------------------------------------|----------------------------|---|------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 16-12-16 | LAT | 21°00 | 21°38 | 21°19 | 21°02 | 1100 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 98°23 | 98°16 | 98°47 | 98°23 | | | | | Total no. of hooks in set: | 1100 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:30 | 2:53 | 8:48 | 22:20 | | | | | No. of hooks lost: | - | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,8 | No. hooks btwn. floats 5 | Avg. hook depth 24 fath | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

 Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 10 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | | | |
|----------------------|------|---------------------------------------|------------------------------|-------------------------------------|---------------------|--|---------------------------------------|-----------------|---------|----------------------------|------------------|-----------------|-------------------|------------------|------------------------------|--|
| | | Start | End | Start | End | | | | | | | | | | | |
| ↓ Date ↓ 17-12-16 | LAT | 21°45 | 21°04 | 21°29 | 21°02 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | | | | |
| | LON | 98°07 | 97°53 | 97°56 | 97°57 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 | | |
| | TIME | 21:40 | 6:00 | 9:35 | 2:10 | | | | | No. of hooks lost: | 0 | Bait 3 | | | | |
| Target Fishery | SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction | Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. | 23,5 | No. hooks btwn. floats | 5 | Avg. hook depth | 24 | Bottom longline? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

Observations: X

| Set number | 11 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | | | |
|----------------------|------|---------------------------------------|------------------------------|-------------------------------------|---------------------|--|---------------------------------------|-----------------|---------|----------------------------|------------------|-----------------|-------------------|------------------|------------------------------|--|
| | | Start | End | Start | End | | | | | | | | | | | |
| ↓ Date ↓ 19-12-16 | LAT | 19°38 | 18°40 | 19°37 | 18°43 | 1244 | 1244 | | | Bait 1 | Scomber scombrus | 75 | | | | |
| | LON | 99°25 | 99°23 | 99°27 | 99°22 | | | | | Total no. of hooks in set: | 1244 | Bait 2 | Sardinella aurita | 25 | | |
| | TIME | 17:15 | 0:35 | 9:40 | 19°41 | | | | | No. of hooks lost: | 0 | Bait 3 | | | | |
| Target Fishery | SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction | Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. | 23,5 | No. hooks btwn. floats | 5 | Avg. hook depth | 24 | Bottom longline? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

Observations: X

| Set number | 12 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | | | |
|----------------------|------|---------------------------------------|------------------------------|-------------------------------------|---------------------|--|---------------------------------------|-----------------|---------|----------------------------|------------------|-----------------|-------------------|------------------|------------------------------|--|
| | | Start | End | Start | End | | | | | | | | | | | |
| ↓ Date ↓ 19-12-16 | LAT | 18°40 | 19°36 | 19°32 | 18°46 | 1184 | 1184 | | | Bait 1 | Scomber scombrus | 75 | | | | |
| | LON | 99°23 | 99°36 | 99°39 | 99°20 | | | | | Total no. of hooks in set: | 1184 | Bait 2 | Sardinella aurita | 25 | | |
| | TIME | 23:25 | 7:15 | 9:10 | 20:29 | | | | | No. of hooks lost: | 0 | Bait 3 | | | | |
| Target Fishery | SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction | Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. | 23,6 | No. hooks btwn. floats | 5 | Avg. hook depth | 24 | Bottom longline? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

Observations: X

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8 SAMPLE No: _____ OBSERVER: Silvestre Ramos Natário

| Set number | 13 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|-----------------------|---------------------------------------|------------------------------|---|---------------------------------------|-------------------------|-------------------------------------|----------------------------|---|------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 20-12-16 | LAT | 18°39 | 19°38 | 19°37 | 18°46 | 1200 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°21 | 99°28 | 99°33 | 99°20 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:15 | 5:12 | 9:00 | 20:39 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,2 | No. hooks btwn. floats 5 | Avg. hook depth 24 fath | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

Observations: **X**

| Set number | 14 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|-----------------------|---------------------------------------|------------------------------|---|---------------------------------------|-------------------------|-------------------------------------|----------------------------|---|------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 21-12-16 | LAT | 18°39 | 19°34 | 19°33 | 18°47 | 1200 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°33 | 99°40 | 99°45 | 99°45 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:12 | 5:12 | 4:05 | 20:45 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,4 | No. hooks btwn. floats 5 | Avg. hook depth 24 fath | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

Observations: **X**

| Set number | 15 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|-----------------------|---------------------------------------|------------------------------|---|---------------------------------------|-------------------------|-------------------------------------|----------------------------|---|------------|----------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 22-12-16 | LAT | 18°34 | 19°32 | 19°29 | 18°36 | 1200 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°15 | 99°21 | 99°25 | 99°14 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:12 | 5:50 | 9:03 | 21:03 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,4 | No. hooks btwn. floats 5 | Avg. hook depth 24 fath | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 16 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|--------------------------|-------------------------------------|---------|-----------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 23-12-16 | LAT | 18°32 | 19°28 | 19°28 | 18°39 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°25 | 99°33 | 99°39 | 99°24 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:30 | 5:30 | 12:45 | 23:20 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,3 | 5 | 24 | Yes | No | | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |

Observations: X

| Set number | 17 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|--------------------------|-------------------------------------|---------|-----------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 24-12-16 | LAT | 18°33 | 19°22 | 19°16 | 18°32 | 1030 | 1030 | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°13 | 99°13 | 99°20 | 99°14 | | | | | Total no. of hooks in set: | 1030 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 21:10 | 3:30 | 9:57 | 18°05 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,5 | 5 | 24 | Yes | No | | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |

Observations: X

| Set number | 18 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|----------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|--------------------------|-------------------------------------|---------|-----------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 25-12-16 | LAT | 18°38 | 19°34 | 19°31 | 18:42 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°28 | 99°31 | 99°35 | 99°25 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:50 | 6:50 | 9:00 | 20:15 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,3 | 5 | 24 | Yes | No | | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |

Observations: X

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 19 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|------------------------------|---------------------------------------|------------------------------|-------------------------------------|---|---------------------------------------|-------------------------------------|-----------------------------|-----------------------|---|---------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 26-12-16 | LAT | 18°39 | 19°38 | 19°38 | 18°48 | 1200 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°45 | 99°48 | 99°38 | 99°42 | | | | | Total no. of hooks in set: 1200 | | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:40 | 5:45 | 9:00 | 20:15 | | | | | No. of hooks lost: 2 | | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,5 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | |

Observations: **X**

| Set number | 20 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|------------------------------|---------------------------------------|------------------------------|-------------------------------------|---|---------------------------------------|-------------------------------------|-----------------------------|-----------------------|---|---------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 27-12-16 | LAT | 18°43 | 19°38 | 19°36 | 18°50 | 1200 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°52 | 100°00 | 100°06 | 99°51 | | | | | Total no. of hooks in set: 1200 | | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:18 | 5:55 | 8:55 | 20:10 | | | | | No. of hooks lost: 1 | | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,3 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | |

Observations: **X**

| Set number | 21 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|------------------------------|---------------------------------------|------------------------------|-------------------------------------|---|---------------------------------------|-------------------------------------|-----------------------------|-----------------------|---|---------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 28-12-16 | LAT | 18°44 | 19°41 | 19°37 | 18°53 | 1100 | | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 99°59 | 100°13 | 100°17 | 100°00 | | | | | Total no. of hooks in set: 1100 | | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:55 | 7:05 | 9:43 | 21:05 | | | | | No. of hooks lost: 0 | | Bait 3 | | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. 23,3 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 22 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|------------------------------|---------------------------------------|------------------------------|---|-------------------------|-----------------------------|-------------------------------------|---|---------|---------|----------------------------|---------------------|--------|----------------------|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 29-12-16 | LAT | 18°31 | 19°26 | 18°35 | 19°26 | 1200 | 1200 | | | Bait 1 | Scomber scombrus 75 | | |
| | LON | 99°45 | 99°53 | 99°43 | 100°00 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita 25 |
| | TIME | 23:00 | 5:37 | 9°10 | 20:05 | | | | | No. of hooks lost: | 0 | Bait 3 | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | Sea surf. temp. 23,6 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

Observations: **X**

| Set number | 23 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|------------------------------|---------------------------------------|------------------------------|---|-------------------------|-----------------------------|-------------------------------------|---|---------|---------|----------------------------|---------------------|--------|----------------------|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 30-12-16 | LAT | 19°06 | 18°10 | 18°15 | 19:08 | 1200 | 1200 | | | Bait 1 | Scomber scombrus 75 | | |
| | LON | 100°00 | 99°53 | 99°52 | 100:05 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita 25 |
| | TIME | 22:47 | 5:40 | 19:28 | 22:40 | | | | | No. of hooks lost: | 0 | Bait 3 | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | Sea surf. temp. 23,9 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

Observations: **X**

| Set number | 24 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|------------------------------|---------------------------------------|------------------------------|---|-------------------------|-----------------------------|-------------------------------------|---|---------|---------|----------------------------|---------------------|--------|----------------------|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 31-12-16 | LAT | 19°29 | 18°36 | 18°40 | 19°29 | 1200 | 1200 | | | Bait 1 | Scomber scombrus 75 | | |
| | LON | 99°55 | 99°45 | 99°44 | 100°01 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita 25 |
| | TIME | 20°58 | 3:40 | 9:58 | 20:30 | | | | | No. of hooks lost: | 0 | Bait 3 | |
| Target Fishery SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | Sea surf. temp. 23,6 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 25 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|---------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------|---------|--------------------------|-------------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 1-01-17 | LAT | 19°49 | 18°19 | 18°22 | 19°17 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 100°0 | 99°55 | 99°53 | 100°13 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 6:22:20 | 6:30 | 10:10 | 21:29 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,8 | 5 | 24 | Yes | No | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Observations: **X**

| Set number | 26 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|---------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------|---------|--------------------------|-------------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 2-01-16 | LAT | 19°35 | 18°41 | 18°46 | 19°32 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 100°20 | 100°15 | 100°15 | 100°33 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 23:25 | 6:15 | 9:35 | 21:00 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,8 | 5 | 24 | Yes | No | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Observations: **X**

| Set number | 27 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|--------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------|---------|--------------------------|-------------------------------------|------------------|--------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 3-1-16 | LAT | 19°28 | 18°34 | 18°40 | 19°29 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | | |
| | LON | 100°15 | 100°00 | 99°58 | 100°25 | | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:59 | 6:23 | 9:35 | 1:14 | | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,5 | 5 | 24 | Yes | No | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 28 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|--------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------|--------------------------|-------------------------------------|----------------------------|------------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 4-1-17 | LAT | 19°44 | 18°53 | 19°44 | 18°57 | 1200 | 1200 | | | Bait 1 | Scomber scombrus | 75 | |
| | LON | 100°36 | 100°19 | 100°45 | 100°24 | | | | | Total no. of hooks in set: | Bait 2 | Sardinella aurita | 25 |
| | TIME | 22:58 | 6:00 | 8:10 | 19:30 | | | | | No. of hooks lost: | 0 | Bait 3 | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,4 | 5 | 24 | Yes | No | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Observations: **X**

| Set number | 29 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|--------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------|--------------------------|-------------------------------------|----------------------------|------------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 6-1-16 | LAT | 18°54 | 18°52 | 18°56 | 18°53 | 1400 | 1400 | | | Bait 1 | Scomber scombrus | 75 | |
| | LON | 100°21 | 100°35 | 100°27 | 100°37 | | | | | Total no. of hooks in set: | Bait 2 | Sardinella aurita | 25 |
| | TIME | 20:02 | 10:08 | 11:55 | 6:35 | | | | | No. of hooks lost: | 0 | Bait 3 | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,6 | 5 | 24 | Yes | No | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Observations:

| Set number | 30 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|--------------------|------------|--------------------------|--|-----------------|------------------------|-------------------------------------|------------------|--------------------------|-------------------------------------|----------------------------|------------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 8-1-17 | LAT | 18°15 | 18°20 | 18°14 | 18°20 | 1100 | 1100 | | | Bait 1 | Scomber scombrus | 75 | |
| | LON | 101°55 | 102°09 | 102°00 | 102°09 | | | | | Total no. of hooks in set: | Bait 2 | Sardinella aurita | 25 |
| | TIME | 16°27 | 6:19 | 8:56 | 22:27 | | | | | No. of hooks lost: | 0 | Bait 3 | |
| Target Fishery | Set | Yes | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | | | |
| SWO | Special? | <input type="checkbox"/> | Start to end <input checked="" type="checkbox"/> | 23,8 | 5 | 24 | Yes | No | | | | | |
| | Patrolled? | <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 31 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|--------------------|--------------|------------------------------|---------------------|--|---------------------------------------|-------------------------------------|------------------------|-----------------|------------------------------|--|------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 9-1-17 | LAT | 19°01 | 18°28 | 18°19 | 19°06 | 1400 | 1400 | 0 | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°16 | 101°52 | 102°17 | 102°07 | | | | Total no. of hooks in set: | 1400 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 22:45 | 6:47 | 9:45 | 00:12 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set Special? | Yes <input type="checkbox"/> | Retrieval direction | Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | |
| SWO | Patrolled? | <input type="checkbox"/> | | | | 24,7 | 5 | 24 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |

Observations: X

| Set number | 32 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|---------------------|--------------|------------------------------|---------------------|--|---------------------------------------|-------------------------------------|------------------------|-----------------|------------------------------|--|------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 11-1-17 | LAT | 19°08 | 18°30 | 18°26 | 19°09 | 1300 | 1300 | 0 | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°07 | 102°09 | 101°56 | 102°01 | | | | Total no. of hooks in set: | 1300 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 00:35 | 8:44 | 10:31 | 22:50 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set Special? | Yes <input type="checkbox"/> | Retrieval direction | Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | |
| SWO | Patrolled? | <input type="checkbox"/> | | | | 24,7 | 5 | 24 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |

Observations: X

| Set number | 33 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|----------------------|--------------|------------------------------|---------------------|--|---------------------------------------|-------------------------------------|------------------------|-----------------|------------------------------|--|------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 11-01-17 | LAT | 19°10 | 18°27 | 18:28 | 19°02 | 1300 | 1300 | 0 | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°05 | 101°50 | 102°13 | 102°12 | | | | Total no. of hooks in set: | 1300 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 23:18 | 6:23 | 9:20 | 23:50 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set Special? | Yes <input type="checkbox"/> | Retrieval direction | Start to end <input checked="" type="checkbox"/> | End to start <input type="checkbox"/> | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | |
| SWO | Patrolled? | <input type="checkbox"/> | | | | 24,8 | 5 | 24 | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |

Observations: X

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | 34 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|---------------------|------|---------------------------------------|------------------------------|-------------------------------------|--|-------------------------------------|------------------------|-----------------|------------------------------|--|------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 13-1-17 | LAT | 19°04 | 18°24 | 18°26 | 19°07 | 1200 | 1200 | 0 | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°13 | 102°12 | 101°5 | 102°19 | | | | Total no. of hooks in set: | 1200 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 0:12 | 8:16 | 10°54 | 22:55 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | |
| | | | | | Start to end <input checked="" type="checkbox"/> | 24,7 | 5 | 24 fath | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |

Observations: **X**

| Set number | 35 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|---------------------|------|---------------------------------------|------------------------------|-------------------------------------|--|-------------------------------------|------------------------|-----------------|------------------------------|--|------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 13-1-17 | LAT | 19°08 | 18°57 | 18°32 | 18°58 | 1300 | 1300 | 0 | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°17 | 102°15 | 102°21 | 102°12 | | | | Total no. of hooks in set: | 1300 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 23:16 | 6:05 | 9:10 | 23:58 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | |
| | | | | | Start to end <input checked="" type="checkbox"/> | 24,7 | 5 | 24 fath | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |

Observations: **X**

| Set number | 36 | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|---------------------|------|---------------------------------------|------------------------------|-------------------------------------|--|-------------------------------------|------------------------|-----------------|------------------------------|--|------------|-------------------|----|
| | | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ 13-1-17 | LAT | 18°58 | 18°12 | 18°15 | 18°54 | 1300 | 1300 | 0 | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°12 | 101°44 | 102°02 | 102°01 | | | | Total no. of hooks in set: | 1300 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 23:58 | 7:34 | 9:45 | 22:45 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | SWO | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Patrolled? <input type="checkbox"/> | Retrieval direction | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? | | | | |
| | | | | | Start to end <input checked="" type="checkbox"/> | 24,7 | 5 | 24 fath | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | | | |

Observations: **X**

LONGLINE SET FORM

F3

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set number | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | | |
|---------------------|---------------------------------------|-------------------------------------|--|----------------------|-------------------------------------|--------------------|--|------------|----------------------------|------------------|--------|-------------------|----|
| | Start | End | Start | End | | | | | | | | | |
| ↓ Date ↓ 14-1-17 | LAT | 18°59 | 18°14 | 18°21 | 18°16 | 1400 | | | Bait 1 | Scomber scombrus | 80 | | |
| | LON | 102°01 | 101°37 | 101°49 | 101°41 | | | | Total no. of hooks in set: | 1400 | Bait 2 | Sardinella aurita | 20 |
| | TIME | 23:20 | 6:32 | 9:00 | 6:36 | | | | No. of hooks lost: | 0 | Bait 3 | | |
| Target Fishery | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input checked="" type="checkbox"/> | Sea surf. temp. 25,5 | No. hooks btwn. floats 5 | Avg. hook depth 24 | Bottom longline? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | | | | |
| SWO | | Patrolled? <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | | |

Observations:

| Set number | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|----------------|---------------------------------------|-------------------------------------|---|-----------------|-------------------------------------|-----------------|---|------------|----------------------------|------------|--------|--|
| | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ | LAT | | | | | | | | Bait 1 | | | |
| | LON | | | | | | | | Total no. of hooks in set: | | Bait 2 | |
| | TIME | | | | | | | | No. of hooks lost: | | Bait 3 | |
| Target Fishery | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input type="checkbox"/> | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| | | Patrolled? <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | |

Observations:

| Set number | SET | | RETRIEVAL | | Number of hooks in the set by type: | Hook. A | Hook. B | Hook. C | Type of bait | % of total | | |
|----------------|---------------------------------------|-------------------------------------|---|-----------------|-------------------------------------|-----------------|---|------------|----------------------------|------------|--------|--|
| | Start | End | Start | End | | | | | | | | |
| ↓ Date ↓ | LAT | | | | | | | | Bait 1 | | | |
| | LON | | | | | | | | Total no. of hooks in set: | | Bait 2 | |
| | TIME | | | | | | | | No. of hooks lost: | | Bait 3 | |
| Target Fishery | Set Special? <input type="checkbox"/> | Yes <input type="checkbox"/> | Retrieval direction Start to end <input type="checkbox"/> | Sea surf. temp. | No. hooks btwn. floats | Avg. hook depth | Bottom longline? Yes <input type="checkbox"/> No <input type="checkbox"/> | | | | | |
| | | Patrolled? <input type="checkbox"/> | End to start <input type="checkbox"/> | | | | | | | | | |

Observations: **X**

CATCH FORM

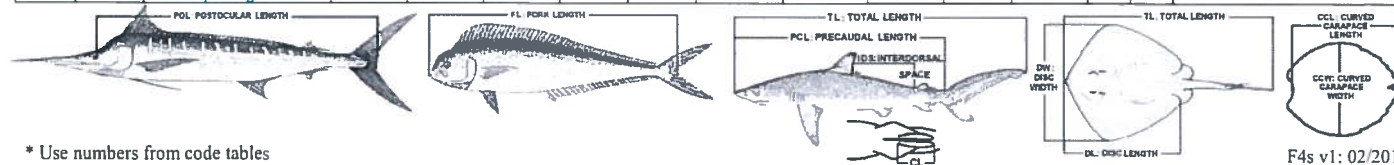
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|------|----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 1 | | BSH <i>Prionace glauca</i> | 1 | A | 2 | 2 | 1 | 37,9 | 245 | 200 | 45 | 21 | Y | N | |
| 1 | | BSH <i>Prionace glauca</i> | 2 | A | 2 | 2 | 2 | 37,9 | 260 | 200 | 45 | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 3 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 4 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 1 | | BSH <i>Prionace glauca</i> | 5 | A | 2 | 2 | 2 | 37,9 | 240 | 200 | 56 | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 6 | A | 1 | 2 | 2 | 128,7 | 230 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 7 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 8 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 9 | A | 1 | 2 | 2 | 111,5 | 220 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 10 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 11 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 1 | | BSH <i>Prionace glauca</i> | 12 | A | 1 | 2 | 1 | 37,9 | 250 | 200 | 47 | 24 | Y | N | |
| 1 | | SWO <i>Xiphias gladius</i> | 13 | A | 2 | 1 | 1 | 15,9 | 120 | | | | | | |
| 1 | | BSH <i>Prionace glauca</i> | 14 | A | 2 | 2 | 1 | 32,4 | 230 | 190 | 46 | 21 | Y | N | |
| 1 | | BSH <i>Prionace glauca</i> | 15 | A | 2 | 2 | 1 | 20,9 | 210 | 165 | 46 | 12 | Y | N | |
| 1 | | BSH <i>Prionace glauca</i> | 16 | A | 2 | 2 | 1 | 27,4 | 220 | 180 | 42 | 12 | Y | N | |
| 1 | | SWO <i>Xiphias gladius</i> | 17 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 1 | | BSH <i>Prionace glauca</i> | 18 | A | 2 | 2 | 1 | 35,1 | 220 | 195 | 46 | 22 | Y | N | |
| 1 | | MLS <i>Tetrapturus</i> | 19 | A | 2 | 2 | 1 | 28,9 | 170 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 20 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 1 | | SWO <i>Xiphias gladius</i> | 21 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | Observations | |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|--------------|-----------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | | S E M E N |
| 1 | 18:45 | SWO Xiphias gladius | 22 | A | 2 | 2 | 2 | 20,6 | 130 | | | | | | |
| 1 | 18:47 | BSH Prionace glauca | 23 | A | 2 | 2 | 1 | 50,9 | 290 | 220 | 53 | 14 | Y | N | |
| 1 | 18:54 | SWO Xiphias gladius | 24 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 1 | 19:03 | SWO Xiphias gladius | 25 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 1 | 19:10 | SWO Xiphias gladius | 26 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 1 | 19:17 | BSH Prionace glauca | 27 | A | 1 | 2 | 1 | 96,1 | 390 | 270 | 68 | 23 | Y | N | |
| 1 | 19:31 | SWO Xiphias gladius | 28 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 1 | 19:35 | SWO Xiphias gladius | 29 | A | 3 | 2 | 1 | 15,9 | 120 | | | | | | |
| 1 | 19:55 | SWO Xiphias gladius | 30 | A | 3 | 2 | 1 | 8,9 | 100 | | | | | | |
| 1 | 20:11 | SWO Xiphias gladius | 31 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 1 | 20:20 | SWO Xiphias gladius | 32 | A | 2 | 2 | 1 | 82 | 200 | | | | | | |
| 1 | 20:34 | SWO Xiphias gladius | 33 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 1 | 20:36 | SWO Xiphias gladius | 34 | A | 2 | 2 | 2 | 20,6 | 130 | | | | | | |
| 1 | 20:39 | SWO Xiphias gladius | 35 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 1 | 20:44 | SWO Xiphias gladius | 36 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 1 | 20:51 | MLS Tetrapturus audax | 37 | A | 2 | 2 | 2 | 28,9 | 170 | | | | | | |
| 1 | 21:06 | BSH Prionace glauca | 38 | A | 2 | 2 | 1 | 50,9 | 265 | 220 | 51 | 23 | Y | N | |
| 1 | 21:14 | BSH Prionace glauca | 39 | A | 2 | 2 | 1 | 66,7 | 290 | 240 | 68 | 26 | Y | N | |
| 1 | 21:18 | BSH Prionace glauca | 40 | A | 2 | 2 | 1 | 75,7 | 300 | 250 | 54 | 25 | Y | N | |
| 1 | 21:27 | BSH Prionace glauca | 41 | A | 2 | 2 | 1 | 75,7 | 310 | 250 | 60 | 26 | Y | N | |
| 1 | 21:40 | SWO Xiphias gladius | 42 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

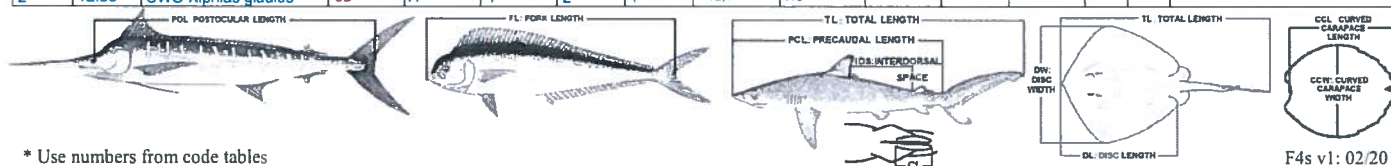
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 1 | 21:55 | BSH Prionace glauca | 43 | A | 2 | 2 | 1 | 58,5 | 290 | 230 | 60 | 26 | Y | N | |
| 1 | 22:00 | SWO Xiphias gladius | 44 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 1 | 22:06 | SWO Xiphias gladius | 45 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 1 | 22:11 | SWO Xiphias gladius | 46 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| 1 | 22:14 | BSH Prionace glauca | 47 | A | 2 | 2 | 1 | 66,7 | 310 | 240 | 59 | 21 | Y | N | |
| 1 | 22:45 | BSH Prionace glauca | 48 | A | 2 | 2 | 1 | 44,1 | 260 | 210 | 53 | 22 | Y | N | |
| 1 | 22:52 | SWO Xiphias gladius | 49 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 1 | 23:16 | BSH Prionace glauca | 50 | A | 2 | 2 | 1 | 15,6 | 190 | 150 | 42 | 10 | Y | N | |
| 1 | 23:31 | SWO Xiphias gladius | 51 | A | 2 | 2 | 2 | 26,1 | 140 | | | | | | |
| 1 | 23:44 | SWO Xiphias gladius | 52 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 2 | 10:50 | BSH Prionace glauca | 53 | A | 2 | 2 | 1 | 44,1 | 260 | 210 | 51 | 19 | Y | N | |
| 2 | 10:55 | SWO Xiphias gladius | 54 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 2 | 11:00 | BSH Prionace glauca | 55 | A | 2 | 2 | 1 | 32,4 | 230 | 190 | 50 | 20 | Y | N | |
| 2 | 11:26 | BSH Prionace glauca | 56 | A | 2 | 2 | 2 | 27,4 | 210 | 180 | 47 | | | | |
| 2 | 11:35 | SWO Xiphias gladius | 57 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 2 | 11:44 | BSH Prionace glauca | 58 | A | 2 | 2 | 2 | 15,6 | 185 | 150 | 36 | | | | |
| 2 | 11:47 | SMA Isurus oxurinchus | 59 | A | 1 | 2 | 2 | 17 | 150 | 130 | 42 | | | | |
| 2 | 12:21 | SWO Xiphias gladius | 60 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 2 | 12:26 | SWO Xiphias gladius | 61 | A | 2 | 2 | 1 | 119,9 | 225 | | | | | | |
| 2 | 12:51 | SWO Xiphias gladius | 62 | A | 1 | 2 | 2 | 7,6 | 95 | | | | | | |
| 2 | 12:56 | SWO Xiphias gladius | 63 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

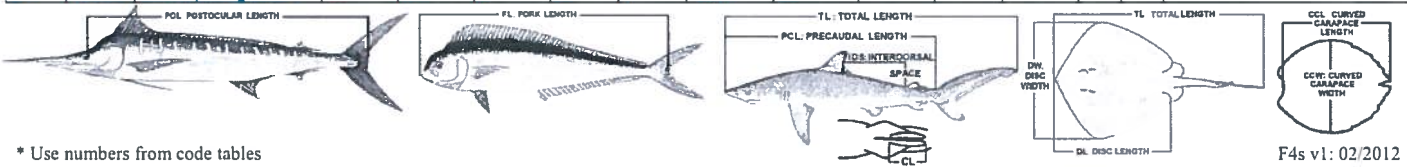
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|-------------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 2 | 13:04 | SWO Xiphias gladius | 64 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 2 | 13:10 | SWO Xiphias gladius | 65 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 2 | 13:17 | SWO Xiphias gladius | 66 | A | 1 | 2 | 1 | 168,4 | 250 | | | | | | |
| 2 | 13:25 | SWO Xiphias gladius | 67 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 2 | 13:33 | SPK Sphyrna mokarran | 68 | A | 2 | 5 | 1 | | | | | | | | |
| 2 | 13:38 | BSH Prionace glauca | 69 | A | 2 | 2 | 2 | 23 | 190 | 170 | 42 | | | | |
| 2 | 13:41 | SWO Xiphias gladius | 70 | A | 2 | 2 | 2 | 29,2 | 145 | | | | | | |
| 2 | 13:58 | BSH Prionace glauca | 71 | A | 2 | 2 | 1 | 44,1 | 280 | 210 | 54 | 24 | Y | N | |
| 2 | 14:06 | BSH Prionace glauca | 72 | A | 2 | 2 | 1 | 37,9 | 270 | 200 | 49 | 24 | Y | Y | |
| 2 | 14:20 | SWO Xiphias gladius | 73 | A | 1 | 2 | 1 | 75,6 | 195 | | | | | | |
| 2 | 14:28 | SWO Xiphias gladius | 74 | A | 2 | 2 | 2 | 13,9 | 115 | | | | | | |
| 2 | 15:00 | BSH Prionace glauca | 75 | A | 2 | 2 | 1 | 23 | 195 | 170 | 32 | 8 | Y | N | |
| 2 | 15:38 | MLS Tetrapturus audax | 76 | A | 2 | 2 | 1 | 45,6 | 195 | | | | | | |
| 2 | 16:00 | BSH Prionace glauca | 77 | A | 1 | 2 | 1 | 27,4 | 240 | 180 | 49 | 12 | Y | Y | |
| 2 | 16:05 | SWO Xiphias gladius | 78 | A | 2 | 1 | 1 | | | | | | | | So a cabeça, comida pela orca |
| 2 | 16:15 | SWO Xiphias gladius | 79 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 2 | 16:35 | BSH Prionace glauca | 80 | A | 2 | 2 | 1 | 75,7 | 310 | 250 | 60 | 19 | Y | N | |
| 2 | 16:44 | SWO Xiphias gladius | 81 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 2 | 16:45 | SWO Xiphias gladius | 82 | A | 1 | 2 | 1 | 63,8 | 185 | | | | | | |
| 2 | 16:47 | MLS Tetrapturus audax | 83 | A | 2 | 2 | 1 | 17 | 160 | | | | | | |
| 2 | 17:02 | SWO Xiphias gladius | 84 | A | 2 | 2 | 1 | 36,1 | 155 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

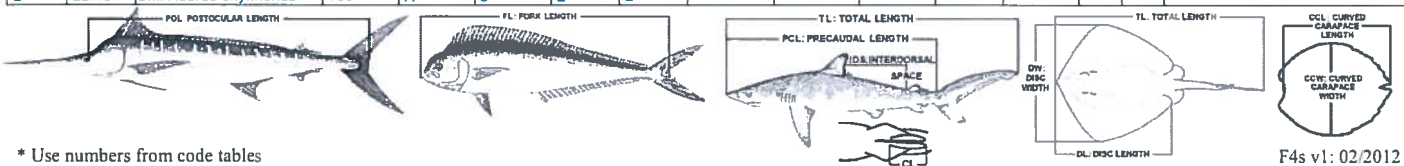
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 2 | 17:08 | SWO Xiphias gladius | 85 | A | 3 | 2 | 1 | 44.2 | 165 | | | | | | |
| 2 | 17:15 | BSH Prionace glauca | 86 | A | 2 | 2 | 1 | 50.9 | 260 | 220 | 49 | 21 | Y | N | |
| 2 | 17:25 | BSH Prionace glauca | 87 | A | 2 | 2 | 2 | 37.9 | 250 | 200 | 44 | | | | |
| 2 | 17:22 | BSH Prionace glauca | 88 | A | 2 | 2 | 1 | 50.9 | 295 | 220 | 52 | 23 | Y | N | |
| 2 | 17:34 | SWO Xiphias gladius | 89 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 2 | 17:36 | SWO Xiphias gladius | 90 | A | 2 | 2 | 1 | 53.3 | 175 | | | | | | |
| 2 | 18:10 | BSH Prionace glauca | 91 | A | 2 | 2 | 2 | 50.9 | 270 | 220 | 48 | | | | |
| 2 | 18:19 | SWO Xiphias gladius | 92 | A | 2 | 2 | 1 | 18.1 | 125 | | | | | | |
| 2 | 19:38 | SWO Xiphias gladius | 93 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 2 | 20:00 | BET Thunnus obesus | 94 | A | 2 | 2 | 1 | 52.8 | 145 | | | | | | |
| 2 | 20:23 | SWO Xiphias gladius | 95 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 2 | 20:30 | SWO Xiphias gladius | 96 | A | 2 | 2 | 1 | 8.9 | 100 | | | | | | |
| 2 | 20:41 | SWO Xiphias gladius | 97 | A | 2 | 2 | 1 | 8.9 | 100 | | | | | | |
| 2 | 20:44 | SWO Xiphias gladius | 98 | A | 2 | 2 | 1 | 18.1 | 125 | | | | | | |
| 2 | 20:51 | BSH Prionace glauca | 99 | A | 1 | 2 | 2 | 15.6 | 185 | 150 | 39 | | | | |
| 2 | 21:11 | SWO Xiphias gladius | 100 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 2 | 21:21 | BSH Prionace glauca | 101 | A | 2 | 2 | 2 | 27.4 | 250 | 180 | 50 | | | | |
| 2 | 21:39 | SWO Xiphias gladius | 102 | A | 2 | 2 | 1 | 13.9 | 115 | | | | | | |
| 2 | 22:06 | BSH Prionace glauca | 103 | A | 1 | 2 | 2 | 50.9 | 265 | 220 | 54 | | | | |
| 2 | 22:22 | BSH Prionace glauca | 104 | A | 1 | 2 | 2 | 19 | 185 | 160 | 40 | | | | |
| 2 | 22:43 | SMA Isurus oxyrinchus | 105 | A | 3 | 2 | 2 | 28.6 | 175 | 155 | 42 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

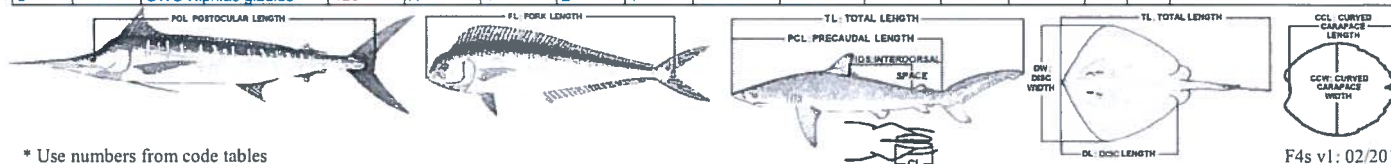
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 2 | 22:50 | BET Thunnus obesus | 106 | A | 2 | 2 | 1 | 38,4 | 130 | | | | | | |
| 2 | 23:07 | SWO Xiphias gladius | 107 | A | 2 | 2 | 1 | 10,4 | 105 | | | | | | |
| 2 | 23:09 | SWO Xiphias gladius | 108 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 2 | 23:11 | BSH Prionace glauca | 109 | A | 2 | 2 | 1 | 37,9 | 240 | 200 | 48 | 22 | Y | N | |
| 2 | 23:19 | SMA Isurus oxyrinchus | 110 | A | 2 | 2 | 2 | 13,4 | 150 | 120 | 40 | | | | |
| 2 | 23:33 | BSH Prionace glauca | 111 | A | 2 | 2 | 1 | 47,4 | 255 | 215 | 51 | 21 | Y | N | |
| 2 | 23:45 | SWO Xiphias gladius | 112 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 2 | 23:54 | SWO Xiphias gladius | 113 | A | 1 | 2 | 2 | 75,6 | 195 | | | | | | |
| 2 | 00:04 | BSH Prionace glauca | 114 | A | 2 | 2 | 1 | 37,9 | 265 | 200 | 58 | 22 | Y | N | |
| 2 | 00:07 | SWO Xiphias gladius | 115 | A | 2 | 2 | 1 | 44,2 | 165 | | | | | | |
| 2 | 00:09 | SWO Xiphias gladius | 116 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 2 | 00:19 | SWO Xiphias gladius | 117 | A | 2 | 2 | 1 | 26,1 | 140 | | | | | | |
| 3 | 10:14 | BSH Prionace glauca | 118 | A | 2 | 2 | 2 | 27,4 | 220 | 180 | 44 | | | | |
| 3 | 10:17 | SMA Isurus oxyrinchus | 119 | A | 2 | 2 | 2 | 44,6 | 200 | 180 | 52 | | | | |
| 3 | 10:29 | BSH Prionace glauca | 120 | A | 1 | 2 | 1 | 80,5 | 310 | 255 | 63 | 30 | Y | N | |
| 3 | 10:45 | BSH Prionace glauca | 121 | A | 1 | 2 | 1 | 75,7 | 300 | 250 | 60 | 24 | Y | N | |
| 3 | 10:54 | SWO Xiphias gladius | 122 | A | 2 | 2 | 2 | 229,2 | 275 | | | | | | |
| 3 | 11:00 | BSH Prionace glauca | 123 | A | 1 | 2 | 2 | 20,9 | 210 | 165 | 40 | | | | |
| 3 | 11:12 | SWO Xiphias gladius | 124 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 3 | 11:19 | BSH Prionace glauca | 125 | A | 2 | 2 | 2 | 23 | 225 | 170 | 48 | | | | |
| 3 | 11:21 | SWO Xiphias gladius | 126 | A | 1 | 2 | 1 | 75,6 | 195 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

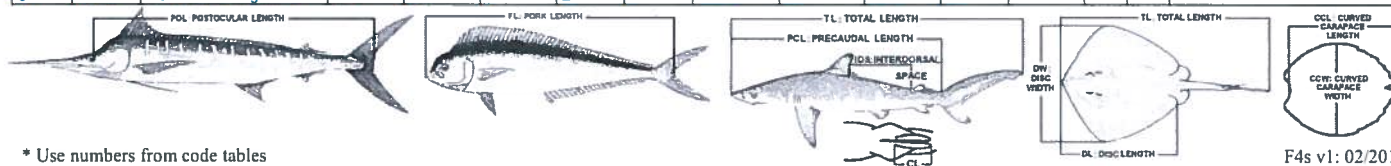
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 3 | 11:39 | SWO Xiphias gladius | 127 | A | 2 | 2 | 1 | 58,4 | 180 | | | | | | |
| 3 | 11:52 | SWO Xiphias gladius | 128 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |
| 3 | 12:14 | BSH Prionace glauca | 129 | A | 2 | 2 | 2 | 54,6 | 285 | 225 | 51 | | | | |
| 3 | 12:18 | SWO Xiphias gladius | 130 | A | 2 | 2 | 1 | 29,2 | 145 | | | | | | Mordido na cauda |
| 3 | 13:06 | BUM Makaira nigricans | 131 | A | 2 | 2 | 2 | 45,6 | 195 | | | | | | |
| 3 | 13:38 | SWO Xiphias gladius | 132 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 3 | 14:10 | SWO Xiphias gladius | 133 | A | 1 | 2 | 1 | 4,4 | 80 | | | | | | |
| 3 | 14:10 | SWO Xiphias gladius | 134 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 3 | 14:40 | SWO Xiphias gladius | 135 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 3 | 15:13 | SWO Xiphias gladius | 136 | A | 2 | 1 | | | | | | | | | Apenas a Cabeça |
| 3 | 15:24 | SWO Xiphias gladius | 137 | A | 2 | 1 | | | | | | | | | Apenas a Cabeça |
| 3 | 15:34 | SWO Xiphias gladius | 138 | A | 2 | 1 | | | | | | | | | Apenas a Cabeça |
| 3 | 16:04 | SWO Xiphias gladius | 139 | A | 2 | 2 | 1 | 23,2 | 135 | | | | | | |
| 3 | 16:46 | SWO Xiphias gladius | 140 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| 3 | 17:33 | SWO Xiphias gladius | 141 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 3 | 19:35 | BSH Prionace glauca | 142 | A | 2 | 2 | 1 | 58,5 | 295 | 230 | 61 | 23 | Y | N | |
| 3 | 19:45 | BSH Prionace glauca | 143 | A | 2 | 2 | 2 | 12,6 | 160 | 140 | 34 | | | | |
| 3 | 19:51 | SWO Xiphias gladius | 144 | A | 2 | 2 | 1 | 272,1 | 290 | | | | | | |
| 3 | 20:37 | Dipturus flavirostris | 145 | A | 2 | 5 | | | | | | | | | |
| 3 | 20:53 | MLS Tetrapturus audax | 146 | A | 2 | 2 | 2 | 53,9 | 205 | | | | | | |
| 3 | 20:55 | BSH Prionace glauca | 147 | A | 2 | 2 | 2 | 12,6 | 180 | 140 | 31 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

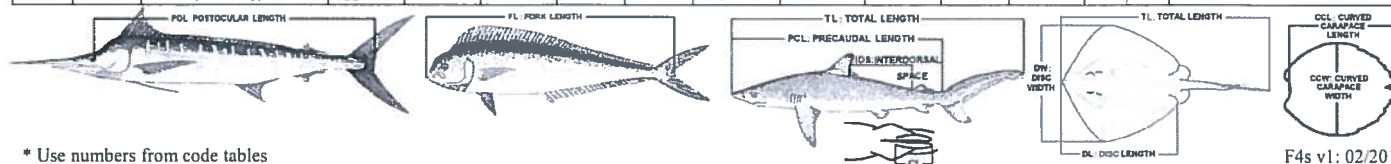
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 3 | 21:05 | SWO Xiphias gladius | 148 | A | 2 | 2 | 1 | 48,6 | 170 | | | | | | |
| 3 | 21:20 | SWO Xiphias gladius | 149 | A | 2 | 2 | 2 | 147,6 | 240 | | | | | | |
| 3 | 21:51 | SWO Xiphias gladius | 150 | A | 2 | 2 | 1 | 10,4 | 105 | | | | | | |
| 3 | 22:01 | Dipturus flavirostris | 151 | A | 2 | 5 | | | | | | | | | |
| 3 | 22:17 | SWO Xiphias gladius | 152 | A | 2 | 2 | 1 | 10,4 | 105 | | | | | | |
| 3 | 22:21 | BSH Prionace glauca | 153 | A | 2 | 2 | 2 | 23 | 200 | 170 | 43 | | | | |
| 3 | 22:54 | SMA Isurus oxyrinchus | 154 | A | 1 | 2 | 2 | 184,6 | 390 | 290 | 82 | | | | |
| 3 | 23:30 | SWO Xiphias gladius | 155 | A | 2 | 2 | 1 | 63,8 | 185 | | | | | | |
| 3 | 23:45 | BSH Prionace glauca | 156 | A | 2 | 2 | 2 | 32,4 | 255 | 190 | 44 | | | | |
| 3 | 23:59 | SWO Xiphias gladius | 157 | A | 2 | 2 | 2 | 88,8 | 205 | | | | | | |
| 3 | 00:24 | BSH Prionace glauca | 158 | A | 1 | 2 | 2 | 29,8 | 230 | 185 | 46 | | | | |
| 3 | 00:30 | BSH Prionace glauca | 159 | A | 1 | 2 | 1 | 66,7 | 300 | 240 | 60 | 23 | Y | N | |
| 3 | 1:05 | SWO Xiphias gladius | 160 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 3 | 1:14 | BSH Prionace glauca | 161 | A | 1 | 2 | 1 | 62,5 | 280 | 235 | 59 | 24 | Y | N | |
| 4 | 10:00 | SMA Isurus oxyrinchus | 162 | A | 1 | 2 | 1 | 70,5 | 235 | 210 | 61 | 23 | Y | N | |
| 4 | 10:28 | SWO Xiphias gladius | 163 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 4 | 10:45 | BSH Prionace glauca | 164 | A | 2 | 2 | 1 | 101,7 | 311 | 275 | 65 | 26 | Y | N | |
| 4 | 11:03 | SWO Xiphias gladius | 165 | A | 2 | 2 | 2 | 20,6 | 130 | | | | | | |
| 4 | 11:46 | BSH Prionace glauca | 166 | A | 1 | 2 | 1 | 85,5 | 305 | 260 | 54 | 25 | Y | N | |
| 4 | 12:03 | BSH Prionace glauca | 167 | A | 1 | 2 | 2 | 20,9 | 205 | 165 | 42 | | | | Tinha crias vivas que foram libertadas |
| 4 | 12:26 | DOL Corphaena hippurus | 168 | A | 2 | 2 | 1 | 12,9 | 120 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

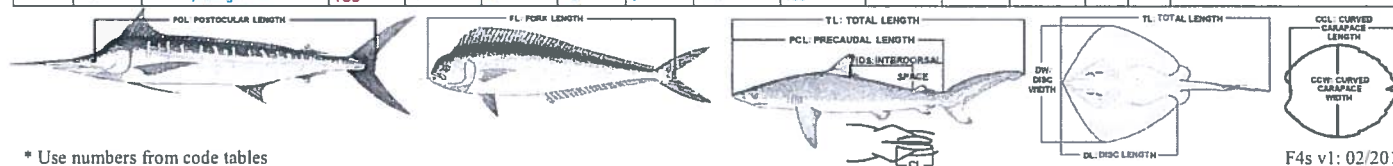
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 4 | 12:34 | SWO Xiphias gladius | 169 | A | 1 | 2 | 2 | 29,2 | 145 | | | | | | |
| 4 | 12:44 | SWO Xiphias gladius | 170 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 4 | 12:54 | SWO Xiphias gladius | 171 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 4 | 13:02 | BSH Prionace glauca | 172 | A | 1 | 2 | 1 | 44,1 | 270 | 210 | 53 | 24 | Y | N | |
| 4 | 13:26 | BSH Prionace glauca | 173 | A | 2 | 2 | 1 | 62,5 | 265 | 235 | 52 | 23 | Y | N | |
| 4 | 13:38 | SMA Isurus oxyrinchus | 174 | A | 1 | 2 | 2 | 44,6 | 225 | 180 | 55 | | | | |
| 4 | 13:45 | BSH Prionace glauca | 175 | A | 1 | 2 | 1 | 66,7 | 315 | 240 | 54 | 24 | Y | N | |
| 4 | 14:01 | BSH Prionace glauca | 176 | A | 1 | 2 | 1 | 89,2 | 305 | 260 | 54 | 25 | y | n | |
| 4 | 14:06 | Diplurus flavirostris | 177 | A | 2 | 5 | | | | | | | | | |
| 4 | 14:19 | SWO Xiphias gladius | 178 | A | 2 | 2 | 1 | 29,2 | 145 | | | | | | |
| 4 | 14:20 | BSH Prionace glauca | 179 | A | 2 | 2 | 1 | 15,9 | 395 | 255 | 64 | 25 | Y | N | |
| 4 | 14:34 | SWO Xiphias gladius | 180 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 4 | 14:43 | BSH Prionace glauca | 181 | A | 1 | 2 | 1 | 62,5 | 270 | 235 | 55 | 23 | Y | N | |
| 4 | 14:55 | BSH Prionace glauca | 182 | A | 1 | 2 | 1 | 66,7 | 285 | 240 | 52 | 24 | Y | N | |
| 4 | 15:00 | BUM Makaira nigricans | 183 | A | 2 | 2 | 2 | 73,4 | 225 | | | | | | |
| 4 | 15:17 | SWO Xiphias gladius | 184 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 4 | 15:19 | SWO Xiphias gladius | 185 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 4 | 16:14 | SMA Isurus oxyrinchus | 186 | A | 1 | 2 | 2 | 31,4 | 185 | 160 | 51 | | | | |
| 4 | 16:32 | SWO Xiphias gladius | 187 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 4 | 16:54 | SWO Xiphias gladius | 188 | A | 1 | 2 | 1 | 96 | 210 | | | | | | |
| 4 | 17:04 | SWO Xiphias gladius | 189 | A | 1 | 3 | 1 | 36,1 | 155 | | | | | | So metade do corpo |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

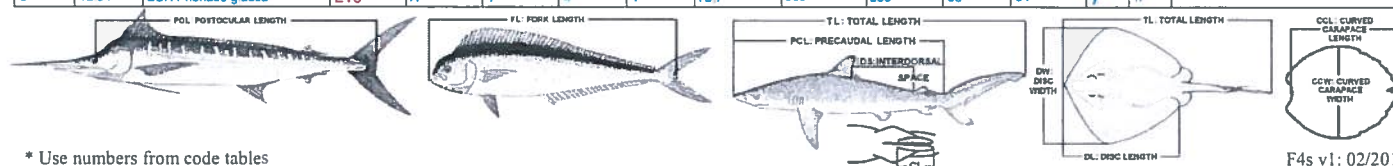
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | Observations | |
|---------|-------|---------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|--------------|-----------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | | S E M E N |
| 4 | 17:21 | SWO Xiphias gladius | 190 | A | 2 | 2 | 2 | 18,1 | 125 | | | | | | |
| 4 | 17:32 | SWO Xiphias gladius | 191 | A | 1 | 2 | 2 | 29,2 | 145 | | | | | | |
| 4 | 19:53 | BSH Prionace glauca | 192 | A | 2 | 2 | 2 | 44,1 | 250 | 210 | 52 | | | | |
| 4 | 20:04 | BUM Makaira nigricans | 193 | A | 1 | 2 | 2 | 68,1 | 220 | | | | | | |
| 4 | 21:24 | SWO Xiphias gladius | 194 | A | 3 | 2 | 1 | 88,8 | 205 | | | | | | |
| 4 | 21:33 | BSH Prionace glauca | 195 | A | 2 | 2 | 1 | 50,9 | 250 | 220 | 56 | 24 | Y | Y | |
| 4 | 21:47 | SWO Xiphias gladius | 196 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 4 | 22:23 | BSH Prionace glauca | 197 | A | 1 | 2 | 2 | 32,4 | 230 | 190 | 49 | | | | |
| 4 | 22:30 | BSH Prionace glauca | 198 | A | 2 | 2 | 2 | 19 | 190 | 160 | 43 | | | | |
| 5 | 9:56 | BET Thunnus obesus Patudo | 199 | A | 3 | 2 | 1 | 58,3 | 150 | | | | | | |
| 5 | 10:17 | BSH Prionace glauca | 200 | A | 1 | 2 | 1 | 50,9 | 270 | 220 | 56 | 23 | y | n | |
| 5 | 10:19 | BUM Makaira nigricans | 201 | A | 2 | 2 | 2 | 79 | 230 | | | | | | |
| 5 | 10:25 | SWO Xiphias gladius | 202 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 5 | 10:30 | BSH Prionace glauca | 203 | A | 1 | 2 | 1 | 75,7 | 300 | 250 | 65 | 23 | y | n | |
| 5 | 10:44 | SWO Xiphias gladius | 204 | A | 2 | 2 | 2 | 88,8 | 205 | | | | | | |
| 5 | 11:03 | SWO Xiphias gladius | 205 | A | 2 | 2 | 2 | 23,2 | 135 | | | | | | |
| 5 | 11:19 | SWO Xiphias gladius | 206 | A | 3 | 2 | 1 | 63,8 | 185 | | | | | | |
| 5 | 11:24 | SMA Isurus oxyrinchus | 207 | A | 1 | 2 | 2 | 26 | 170 | 150 | 48 | | | | |
| 5 | 11:27 | SWO Xiphias gladius | 208 | A | 2 | 2 | 1 | 29,2 | 145 | | | | | | |
| 5 | 12:01 | BSH Prionace glauca | 209 | A | 1 | 2 | 1 | 101,7 | 300 | 275 | 56 | 25 | y | n | |
| 5 | 12:04 | BSH Prionace glauca | 210 | A | 1 | 2 | 1 | 75,7 | 350 | 250 | 66 | 34 | y | n | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

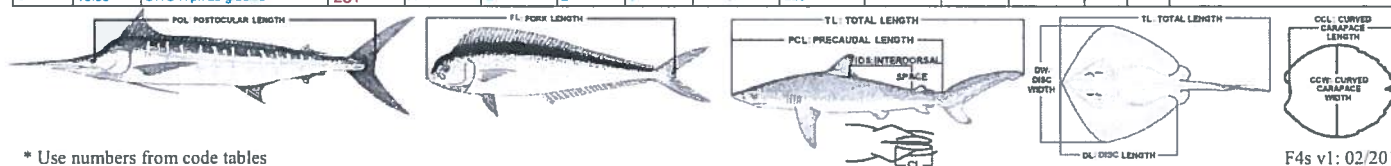
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 5 | 12:05 | SWO Xiphias gladius | 211 | A | 2 | 2 | 1 | 53.3 | 175 | | | | | | |
| 5 | 12:10 | SWO Xiphias gladius | 212 | A | 2 | 2 | 2 | 75.6 | 195 | | | | | | |
| 5 | 12:17 | SWO Xiphias gladius | 213 | A | 2 | 2 | 1 | 18.1 | 125 | | | | | | |
| 5 | 12:19 | BSH Prionace glauca | 214 | A | 1 | 2 | 1 | 85.5 | 320 | 260 | 59 | 28 | y | n | |
| 5 | 12:21 | BSH Prionace glauca | 215 | A | 1 | 2 | 1 | 47.8 | 305 | 255 | 63 | 25 | y | n | |
| 5 | 12:28 | BSH Prionace glauca | 216 | A | 1 | 2 | 1 | 62.5 | 300 | 235 | 58 | 25 | y | n | |
| 5 | 12:31 | BSH Prionace glauca | 217 | A | 1 | 2 | 1 | 71.1 | 295 | 245 | 58 | 25 | y | n | |
| 5 | 12:40 | SWO Xiphias gladius | 218 | A | 2 | 2 | 1 | 53.3 | 175 | | | | | | |
| 5 | 13:10 | SWO Xiphias gladius | 219 | A | 1 | 2 | 1 | 23.2 | 135 | | | | | | |
| 5 | 13:23 | SWO Xiphias gladius | 220 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 5 | 13:25 | SWO Xiphias gladius | 221 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 5 | 13:30 | SWO Xiphias gladius | 222 | A | 1 | 2 | 2 | 147.6 | 240 | | | | | | |
| 5 | 13:35 | BSH Prionace glauca | 223 | A | 1 | 2 | 2 | 32.4 | 235 | 190 | 42 | | | | |
| 5 | 13:50 | BUM Makaira nigricans | 224 | A | 2 | 2 | 2 | 68.1 | 220 | | | | | | |
| 5 | 13:54 | SWO Xiphias gladius | 225 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 5 | 14:06 | SWO Xiphias gladius | 226 | A | 2 | 2 | 2 | 63.8 | 185 | | | | | | |
| 5 | 14:24 | SWO Xiphias gladius | 227 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 5 | 15:17 | BSH Prionace glauca | 228 | A | 1 | 2 | 1 | 54.6 | 250 | 225 | 54 | 23 | y | n | |
| 5 | 15:27 | SWO Xiphias gladius | 229 | A | 2 | 2 | 1 | 53.3 | 175 | | | | | | |
| 5 | 15:35 | BSH Prionace glauca | 230 | A | 1 | 2 | 2 | 27.4 | 200 | 180 | 40 | | | | |
| 5 | 16:06 | SWO Xiphias gladius | 231 | A | 2 | 2 | 1 | 111.5 | 220 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

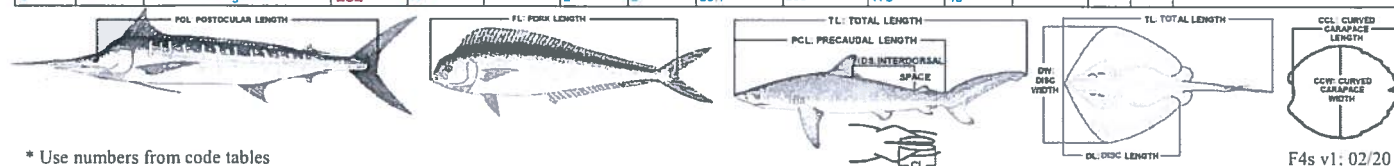
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | |
| 5 | 16:10 | POR <i>Lamna nasus</i> | 232 | A | 2 | 5 | | | | | | | | |
| 5 | 16:19 | SWO <i>Xiphias gladius</i> | 233 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | |
| 5 | 16:40 | LEC <i>Lepidocybium flavobrunneum</i> | 234 | A | 2 | 2 | 2 | 20.6 | 180 | | | | | |
| 5 | 16:52 | SWO <i>Xiphias gladius</i> | 235 | A | 1 | 2 | 2 | 29.2 | 145 | | | | | |
| 5 | 17:04 | BSH <i>Prionace glauca</i> | 236 | A | 1 | 2 | 1 | 85.5 | 315 | 260 | 63 | 19 | y | n |
| 5 | 17:16 | SWO <i>Xiphias gladius</i> | 237 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | |
| 5 | 19:10 | BSH <i>Prionace glauca</i> | 238 | A | 2 | 2 | 1 | 58.5 | 260 | 230 | 56 | 25 | y | n |
| 5 | 19:25 | BSH <i>Prionace glauca</i> | 239 | A | 2 | 2 | 2 | 58.5 | 265 | 230 | 61 | | | |
| 5 | 19:35 | SWO <i>Xiphias gladius</i> | 240 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | |
| 5 | 19:53 | SWO <i>Xiphias gladius</i> | 241 | A | 1 | 2 | 1 | 111.5 | 220 | | | | | |
| 5 | 20:31 | SWO <i>Xiphias gladius</i> | 242 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | |
| 5 | 20:50 | BSH <i>Prionace glauca</i> | 243 | A | 2 | 2 | 2 | 35.1 | 235 | 195 | 52 | | | |
| 5 | 20:55 | SMA <i>Isurus oxyrinchus</i> | 244 | A | 1 | 2 | 2 | 31.4 | 195 | 160 | 50 | | | |
| 5 | 21:00 | BUM <i>Makaira nigricans</i> | 245 | A | 2 | 2 | 2 | 63.1 | 215 | | | | | |
| 5 | 21:06 | SWO <i>Xiphias gladius</i> | 246 | A | 1 | 2 | 1 | 13.9 | 115 | | | | | |
| 5 | 21:20 | SWO <i>Xiphias gladius</i> | 247 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | |
| 5 | 21:26 | BSH <i>Prionace glauca</i> | 248 | A | 1 | 2 | 1 | 40.9 | 245 | 205 | 56 | 20 | y | n |
| 6 | 9:36 | SWO <i>Xiphias gladius</i> | 249 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | |
| 6 | 9:38 | BSH <i>Prionace glauca</i> | 250 | A | 1 | 2 | 2 | 44.1 | 260 | 210 | 55 | | | |
| 6 | 10:13 | SMA <i>Isurus oxyrinchus</i> | 251 | A | 1 | 2 | 2 | 149.2 | 310 | 270 | 75 | | | |
| 6 | 10:38 | BSH <i>Prionace glauca</i> | 252 | A | 1 | 2 | 2 | 25.1 | 205 | 175 | 46 | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

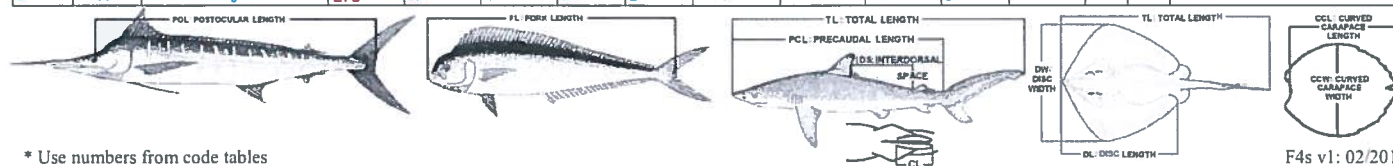
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|-------------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 6 | 10:51 | BSH <i>Prionace glauca</i> | 253 | A | 2 | 2 | 1 | 96.1 | 305 | 270 | 61 | 26 | y | n | |
| 6 | 11:00 | MLS <i>Tetrapturus audax</i> | 254 | A | 3 | 2 | 1 | 38.3 | 185 | | | | | | |
| 6 | 11:05 | SWO <i>Xiphias gladius</i> | 255 | A | 3 | 2 | 2 | 20.6 | 130 | | | | | | |
| 6 | 11:09 | SWO <i>Xiphias gladius</i> | 256 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 6 | 11:25 | SWO <i>Xiphias gladius</i> | 257 | A | 1 | 2 | 2 | 103.5 | 215 | | | | | | |
| 6 | 11:33 | BSH <i>Prionace glauca</i> | 258 | A | 2 | 2 | 1 | 66.7 | 270 | 240 | 64 | 25 | y | n | |
| 6 | 11:44 | SWO <i>Xiphias gladius</i> | 259 | A | 1 | 2 | 1 | 103.5 | 215 | | | | | | |
| 6 | 12:00 | SWO <i>Xiphias gladius</i> | 260 | A | 1 | 2 | 1 | 63.8 | 185 | | | | | | |
| 6 | 12:24 | BSH <i>Prionace glauca</i> | 261 | A | 1 | 2 | 1 | 75.7 | 395 | 250 | 66 | 27 | y | n | |
| 6 | 12:26 | BSH <i>Prionace glauca</i> | 262 | A | 1 | 2 | 1 | 75.7 | 300 | 250 | 66 | 27 | y | n | |
| 6 | 12:35 | BSH <i>Prionace glauca</i> | 263 | A | 1 | 2 | 1 | 66.7 | 290 | 240 | 70 | 26 | y | n | |
| 6 | 12:40 | BET <i>Thunnus obesus</i> | 264 | A | 2 | 2 | 1 | 70.5 | 160 | | | | | | |
| 6 | 12:55 | SWO <i>Xiphias gladius</i> | 265 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 6 | 12:59 | SWO <i>Xiphias gladius</i> | 266 | A | 1 | 2 | 1 | 12.1 | 110 | | | | | | |
| 6 | 13:04 | MLS <i>Tetrapturus audax</i> | 267 | A | 2 | 2 | 1 | 199 | 115 | | | | | | |
| 6 | 13:15 | SWO <i>Xiphias gladius</i> | 268 | A | 2 | 3 | 1 | 32.5 | 150 | | | | | | Mordido na cauda e na barriga |
| 6 | 13:20 | SWO <i>Xiphias gladius</i> | 269 | A | 2 | 2 | 1 | 32.5 | 260 | | | | | | |
| 6 | 13:38 | BSH <i>Prionace glauca</i> | 270 | A | 1 | 2 | 2 | 23 | 200 | 170 | 39 | | | | |
| 6 | 13:44 | BSH <i>Prionace glauca</i> | 271 | A | 1 | 2 | 2 | 23 | 210 | 170 | 50 | | | | |
| 6 | 13:50 | BSH <i>Prionace glauca</i> | 272 | A | 1 | 2 | 2 | 15.6 | 195 | 150 | 40 | | | | |
| 6 | 14:05 | BSH <i>Prionace glauca</i> | 273 | A | 1 | 2 | 2 | 12.6 | 180 | 140 | 37 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

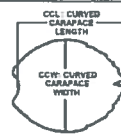
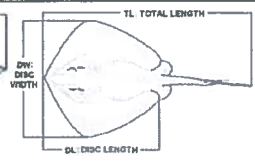
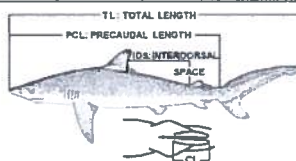
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 6 | 14:14 | SWO Xiphias gladius | 274 | A | 1 | 2 | 2 | 32.5 | 150 | | | | | | |
| 6 | 14:27 | SWO Xiphias gladius | 275 | A | 3 | 2 | 1 | 20.6 | 130 | | | | | | |
| 6 | 14:30 | BSH Prionace glauca | 276 | A | 1 | 2 | 1 | 15.6 | 165 | 150 | 43 | | | | |
| 6 | 14:35 | SWO Xiphias gladius | 277 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 6 | 14:39 | BSH Prionace glauca | 278 | A | 1 | 2 | 1 | 96.1 | 330 | 270 | 57 | 33 | y | n | |
| 6 | 14:42 | SWO Xiphias gladius | 279 | A | 2 | 2 | 1 | 13.9 | 115 | | | | | | |
| 6 | 14:54 | BSH Prionace glauca | 280 | A | 1 | 2 | 1 | 96.1 | 330 | 270 | 57 | 33 | y | n | |
| 6 | 15:03 | POR Lamna nasus | 281 | A | 2 | 5 | | | | | | | | | |
| 6 | 15:08 | BSH Prionace glauca | 282 | A | 2 | 2 | 1 | 37.9 | 250 | 200 | 52 | 20 | y | n | |
| 6 | 15:25 | BSH Prionace glauca | 283 | A | 2 | 2 | 2 | 37.9 | 235 | 200 | 50 | | | | |
| 6 | 15:39 | SWO Xiphias gladius | 284 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 6 | 15:55 | SWO Xiphias gladius | 285 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 6 | 16:03 | BSH Prionace glauca | 286 | A | 1 | 2 | 1 | 32.4 | 220 | 190 | 50 | 20 | y | n | |
| 6 | 16:09 | BSH Prionace glauca | 287 | A | 2 | 2 | 1 | 66.7 | 290 | 240 | 65 | 26 | y | n | |
| 6 | 16:18 | BSH Prionace glauca | 288 | A | 1 | 2 | 1 | 62.5 | 290 | 235 | 60 | 26 | y | n | |
| 7 | 9:20 | BSH Prionace glauca | 289 | A | 1 | 2 | 1 | 75.7 | 300 | 250 | 65 | 26 | y | n | |
| 7 | 9:49 | SWO Xiphias gladius | 290 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 7 | 9:59 | BSH Prionace glauca | 291 | A | 2 | 2 | 2 | 225 | 340 | 310 | 86 | | | | |
| 7 | 10:04 | SWO Xiphias gladius | 292 | A | 2 | 2 | 1 | 69.5 | 120 | | | | | | |
| 7 | 10:49 | SWO Xiphias gladius | 293 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 7 | 10:54 | BUM Makaira nigricans | 294 | A | 2 | 2 | 1 | 12 | 130 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

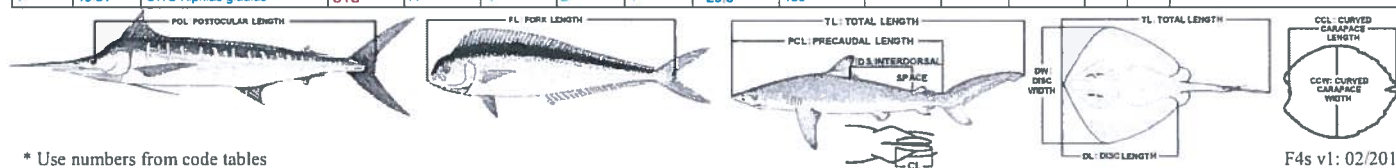
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 7 | 11:15 | SWO Xiphias gladius | 295 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 7 | 11:55 | SWO Xiphias gladius | 296 | A | 1 | 2 | 1 | 179.6 | 255 | | | | | | |
| 7 | 12:10 | BSH Prionace glauca | 297 | A | 2 | 2 | 1 | 50.9 | 245 | 220 | 54 | 21 | Y | N | |
| 7 | 12:25 | SWO Xiphias gladius | 298 | A | 1 | 2 | 1 | 179.6 | 255 | | | | | | |
| 7 | 12:29 | BSH Prionace glauca | 299 | A | 2 | 2 | 1 | 50.9 | 245 | 220 | 54 | 21 | y | n | |
| 7 | 12:40 | SWO Xiphias gladius | 300 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 7 | 13:04 | BSH Prionace glauca | 301 | A | 2 | 2 | 2 | 37.9 | 240 | 200 | 52 | | | | |
| 7 | 13:23 | SMA Isurus oxyrinchus | 302 | A | 2 | 2 | 1 | 26 | 165 | 150 | 49 | 18 | y | n | |
| 7 | 13:38 | SWO Xiphias gladius | 303 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 7 | 14:00 | SWO Xiphias gladius | 304 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 7 | 14:26 | BSH Prionace glauca | 305 | A | 2 | 2 | 1 | 44.1 | 235 | 210 | 50 | 20 | y | n | |
| 7 | 15:03 | SWO Xiphias gladius | 306 | A | 2 | 2 | 2 | 157.8 | 245 | | | | | | |
| 7 | 16:00 | SWO Xiphias gladius | 307 | A | 2 | 2 | 2 | 168.4 | 250 | | | | | | |
| 7 | 16:15 | SWO Xiphias gladius | 308 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 7 | 16:36 | SWO Xiphias gladius | 309 | A | 1 | 2 | 1 | 58.4 | 180 | | | | | | |
| 7 | 16:57 | SWO Xiphias gladius | 310 | A | 1 | 2 | 1 | 53.3 | 175 | | | | | | |
| 7 | 17:10 | SWO Xiphias gladius | 311 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 7 | 17:15 | SWO Xiphias gladius | 312 | A | 1 | 2 | 1 | 147.6 | 240 | | | | | | |
| 7 | 19:05 | SWO Xiphias gladius | 313 | A | 2 | 2 | 1 | 168.4 | 250 | | | | | | |
| 7 | 19:17 | SWO Xiphias gladius | 314 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 7 | 19:31 | SWO Xiphias gladius | 315 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

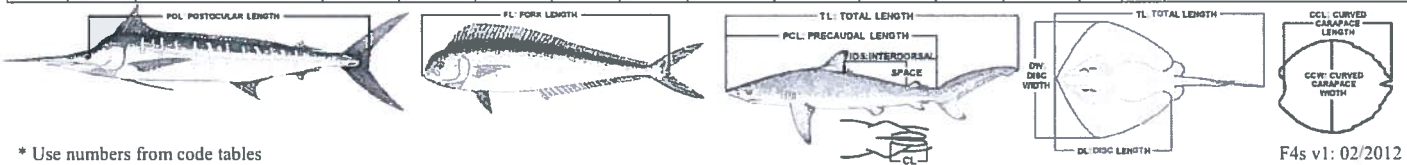
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 8 | 9 19 | SWO Xiphias gladius | 316 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 8 | 9 24 | BSH Prionace glauca | 317 | A | 1 | 2 | 1 | 47,8 | 305 | 255 | 60 | 26 | y | n | |
| 8 | 9 28 | SWO Xiphias gladius | 318 | A | 1 | 2 | 1 | 63,8 | 185 | | | | | | |
| 8 | 9 43 | SWO Xiphias gladius | 319 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 8 | 9 44 | SWO Xiphias gladius | 320 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 8 | 10 51 | BSH Prionace glauca | 321 | A | 2 | 2 | 2 | 32,4 | 230 | 190 | 47 | | | | |
| 8 | 10 58 | SMA Isurus oxyrinchus | 322 | A | 2 | 2 | 1 | 44,6 | 200 | 180 | 55 | 20 | y | n | |
| 8 | 11 22 | SWO Xiphias gladius | 323 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 8 | 11 33 | SWO Xiphias gladius | 324 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 8 | 11 41 | BSH Prionace glauca | 325 | A | 3 | 2 | 1 | 44,1 | 255 | 210 | 55 | 20 | y | n | |
| 8 | 11 53 | SWO Xiphias gladius | 326 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 8 | 12 00 | SWO Xiphias gladius | 327 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 8 | 12 08 | SWO Xiphias gladius | 328 | A | 2 | 2 | 1 | 82 | 200 | | | | | | |
| 8 | 12 35 | Tetrapturus albidus | 329 | A | 2 | 1 | | | | | | | | | Rejeitado, mordido em varias partes do corpo |
| 8 | 12 39 | SWO Xiphias gladius | 330 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 8 | 12 56 | BSH Prionace glauca | 331 | A | 1 | 2 | 1 | 62,5 | 285 | 235 | 59 | 23 | y | n | |
| 8 | 13 05 | BSH Prionace glauca | 332 | A | 2 | 2 | 2 | 23 | 200 | 170 | 42 | | | | |
| 8 | 13 22 | SWO Xiphias gladius | 333 | A | 2 | 2 | 1 | 130 | 175 | | | | | | |
| 8 | 13 34 | BSH Prionace glauca | 334 | A | 1 | 2 | 1 | 54,6 | 275 | 225 | 57 | 18 | y | n | |
| 8 | 13 36 | SWO Xiphias gladius | 335 | A | 3 | 2 | 1 | 40 | 160 | | | | | | |
| 8 | 13 50 | SWO Xiphias gladius | 336 | A | 2 | 2 | 1 | 96 | 210 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

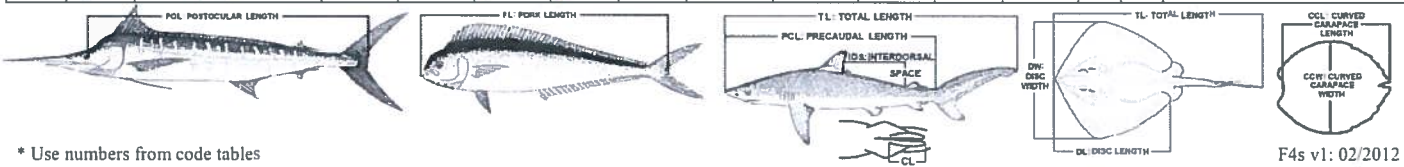
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| B | 14:01 | <i>Dipturus flavirostris</i> | 337 | A | 2 | 5 | | | | | | | | | |
| B | 14:05 | <i>SWO Xiphias gladius</i> | 338 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| B | 14:11 | <i>SWO Xiphias gladius</i> | 339 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| B | 14:24 | <i>BSH Prionace glauca</i> | 340 | A | 1 | 2 | 2 | 50,9 | 270 | 220 | 60 | | | | |
| B | 14:36 | <i>SWO Xiphias gladius</i> | 341 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| B | 14:39 | <i>SWO Xiphias gladius</i> | 342 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| B | 14:44 | <i>SWO Xiphias gladius</i> | 343 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| B | 15:05 | <i>BSH Prionace glauca</i> | 344 | A | 1 | 2 | 2 | 15,6 | 190 | 150 | 44 | | | | |
| B | 15:12 | <i>BSH Prionace glauca</i> | 345 | A | 1 | 2 | 2 | 23 | 215 | 170 | 53 | | | | |
| B | 15:24 | <i>SWO Xiphias gladius</i> | 346 | A | 2 | 2 | 2 | 75,6 | 195 | | | | | | |
| B | 16:06 | <i>SWO Xiphias gladius</i> | 347 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| B | 16:20 | <i>BSH Prionace glauca</i> | 348 | A | 1 | 2 | 2 | 15,6 | 190 | 150 | 40 | | | | |
| B | 16:22 | <i>SWO Xiphias gladius</i> | 349 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| B | 16:28 | <i>SWO Xiphias gladius</i> | 350 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| B | 16:38 | <i>SWO Xiphias gladius</i> | 351 | A | 2 | 2 | 1 | 63,8 | 185 | | | | | | |
| B | 16:52 | <i>SWO Xiphias gladius</i> | 352 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| B | 17:15 | <i>LEC Lepidocybium flavobrunneum</i> | 353 | A | 2 | 2 | 2 | 9,5 | 100 | | | | | | |
| B | 19:05 | <i>SWO Xiphias gladius</i> | 354 | A | 1 | 2 | 2 | 36,1 | 155 | | | | | | |
| B | 19:17 | <i>BSH Prionace glauca</i> | 355 | A | 1 | 2 | 2 | 25,1 | 215 | 175 | 51 | | | | |
| B | 19:30 | <i>SWO Xiphias gladius</i> | 356 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| B | 20:14 | <i>SWO Xiphias gladius</i> | 357 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

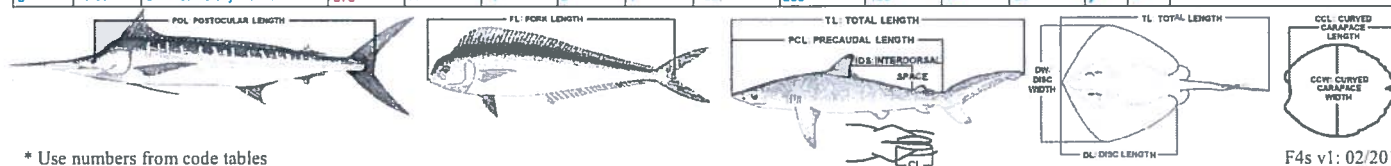
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|---|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 8 | 20:36 | SSP <i>Tetrapturus angustirostris</i> | 358 | A | 2 | 3 | | | 160 | | | | | | |
| 8 | 21:00 | SWO <i>Xiphias gladius</i> | 359 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 8 | 21:20 | SMA <i>Isurus oxyrinchus</i> | 360 | A | 3 | 2 | 2 | 52,4 | 220 | 190 | 57 | | | | |
| 8 | 21:30 | SWO <i>Xiphias gladius</i> | 361 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 9 | 9:15 | SWO <i>Xiphias gladius</i> | 362 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 9 | 9:28 | SWO <i>Xiphias gladius</i> | 363 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 9 | 9:48 | BSH <i>Prionace glauca</i> | 364 | A | 1 | 2 | 2 | 23 | 205 | 170 | 48 | | | | |
| 9 | 10:07 | BSH <i>Prionace glauca</i> | 365 | A | 2 | 2 | 1 | 40,9 | 235 | 205 | 53 | 18 | y | n | |
| 9 | 10:55 | BSH <i>Prionace glauca</i> | 366 | A | 1 | 2 | 1 | 37,9 | 240 | 200 | 47 | 19 | y | n | |
| 9 | 11:15 | SWO <i>Xiphias gladius</i> | 367 | A | 2 | 2 | 2 | 272,1 | 290 | | | | | | |
| 9 | 11:20 | BSH <i>Prionace glauca</i> | 368 | A | 2 | 2 | 1 | 40,9 | 255 | 205 | 55 | 20 | y | n | |
| 9 | 11:38 | SWO <i>Xiphias gladius</i> | 369 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 9 | 11:44 | SSP <i>Tetrapturus angustirostris</i> | 370 | A | 2 | 2 | | | 150 | | | | | | |
| 9 | 11:48 | SWO <i>Xiphias gladius</i> | 371 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 9 | 12:20 | BSH <i>Prionace glauca</i> | 372 | A | 1 | 2 | 2 | 23 | 215 | 170 | 50 | | | | linha crias vivas que foram devolvidas ao mar |
| 9 | 12:30 | BSH <i>Prionace glauca</i> | 373 | A | 1 | 2 | 2 | 32,4 | 230 | 190 | 52 | | | | |
| 9 | 13:05 | BSH <i>Prionace glauca</i> | 374 | A | 2 | 2 | 2 | 50,9 | 270 | 220 | 58 | | | | |
| 9 | 13:13 | SWO <i>Xiphias gladius</i> | 375 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 9 | 13:19 | SWO <i>Xiphias gladius</i> | 376 | A | 2 | 2 | 1 | 168,4 | 250 | | | | | | |
| 9 | 13:30 | SWO <i>Xiphias gladius</i> | 377 | A | 2 | 2 | 1 | 10,4 | 105 | | | | | | |
| 9 | 13:50 | SMA <i>Isurus oxyrinchus</i> | 378 | A | 1 | 2 | 1 | 52,4 | 205 | 190 | 57 | 24 | y | n | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

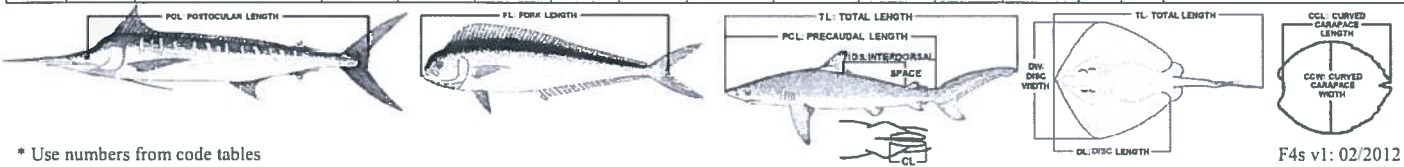
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|---------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 9 | 13:57 | BSH <i>Prionace glauca</i> | 379 | A | 1 | 2 | 1 | 58.5 | 290 | 230 | 62 | 23 | y | n | |
| 9 | 14:05 | BSH <i>Prionace glauca</i> | 380 | A | 2 | 2 | 2 | 25.1 | 205 | 175 | 43 | | | | |
| 9 | 14:38 | BSH <i>Prionace glauca</i> | 381 | A | 2 | 2 | 1 | 66.7 | 280 | 240 | 61 | 20 | y | y | |
| 9 | 14:48 | SWO <i>Xiphias gladius</i> | 382 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 9 | 14:55 | SWO <i>Xiphias gladius</i> | 383 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 9 | 15:07 | SWO <i>Xiphias gladius</i> | 384 | A | 1 | 2 | 1 | 36.1 | 155 | | | | | | |
| 9 | 15:30 | BSH <i>Prionace glauca</i> | 385 | A | 2 | 2 | 1 | 32.4 | 240 | 190 | 51 | 16 | y | n | |
| 9 | 15:31 | SSP <i>Tetracturus angustirostris</i> | 386 | A | 2 | 2 | | | 155 | | | | | | |
| 9 | 15:46 | SWO <i>Xiphias gladius</i> | 387 | A | 2 | 2 | 2 | 191.2 | 260 | | | | | | |
| 9 | 16:20 | BSH <i>Prionace glauca</i> | 388 | A | 2 | 2 | 1 | 71.1 | 285 | 245 | 59 | y | n | | |
| 9 | 16:50 | SWO <i>Xiphias gladius</i> | 389 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 9 | 16:56 | SWO <i>Xiphias gladius</i> | 390 | A | 1 | 2 | 1 | 13.9 | 115 | | | | | | |
| 9 | 18:37 | SWO <i>Xiphias gladius</i> | 391 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 9 | 18:40 | SWO <i>Xiphias gladius</i> | 392 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |
| 9 | 18:50 | SWO <i>Xiphias gladius</i> | 393 | A | 2 | 2 | 2 | 15.9 | 120 | | | | | | |
| 9 | 19:50 | BSH <i>Prionace glauca</i> | 394 | A | 2 | 2 | 2 | 15.6 | 170 | 150 | 38 | | | | |
| 9 | 20:15 | BSH <i>Prionace glauca</i> | 395 | A | 2 | 2 | 1 | 35.1 | 245 | 195 | 59 | 20 | y | n | Ja linha um anzo! na boca |
| 9 | 20:42 | SWO <i>Xiphias gladius</i> | 396 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 10 | 9:50 | SWO <i>Xiphias gladius</i> | 397 | A | 1 | 2 | 2 | 63.8 | 185 | | | | | | |
| 10 | 10:00 | BSH <i>Prionace glauca</i> | 398 | A | 1 | 2 | 2 | 66.7 | 295 | 240 | 59 | | | | |
| 10 | 10:40 | BSH <i>Prionace glauca</i> | 399 | A | 1 | 2 | 1 | 54.6 | 275 | 225 | 52 | 21 | y | n | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 10 | 11:05 | BSH <i>Prionace glauca</i> | 400 | A | 1 | 2 | 1 | 58.5 | 260 | 230 | 55 | 20 | y | n | |
| 10 | 11:09 | SWO <i>Xiphias gladius</i> | 401 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 10 | 11:19 | SSP <i>Tetrapturus angustirostris</i> | 402 | A | 2 | 2 | 2 | | 160 | | | | | | |
| 10 | 11:32 | SWO <i>Xiphias gladius</i> | 403 | A | 2 | 2 | 2 | 53.3 | 175 | | | | | | |
| 10 | 12:00 | YFT <i>Thunnus albacares</i> | 404 | A | 2 | 2 | 1 | 62.6 | 160 | | | | | | |
| 10 | 12:08 | BSH <i>Prionace glauca</i> | 405 | A | 1 | 2 | 1 | 54.6 | 260 | 225 | 50 | 20 | y | n | |
| 10 | 12:40 | BSH <i>Prionace glauca</i> | 406 | A | 2 | 2 | 1 | 32.4 | 230 | 190 | 48 | 14 | y | n | |
| 10 | 12:46 | BSH <i>Prionace glauca</i> | 407 | A | 2 | 2 | 1 | 90.7 | 315 | 265 | 68 | 21 | y | n | |
| 10 | 13:16 | BUM <i>Makaira nigricans</i> | 408 | A | 2 | 2 | 2 | 49.6 | 200 | | | | | | |
| 10 | 13:35 | BUM <i>Makaira nigricans</i> | 409 | A | 3 | 2 | 1 | 45.6 | 195 | | | | | | |
| 10 | 13:56 | BSH <i>Prionace glauca</i> | 410 | A | 1 | 2 | 1 | 37.9 | 250 | 200 | 56 | 20 | y | y | |
| 10 | 14:28 | SWO <i>Xiphias gladius</i> | 411 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 10 | 14:50 | SWO <i>Xiphias gladius</i> | 412 | A | 2 | 2 | 2 | 88.8 | 205 | | | | | | |
| 10 | 15:00 | SWO <i>Xiphias gladius</i> | 413 | A | 2 | 2 | 2 | 168.4 | 250 | | | | | | |
| 10 | 15:05 | SWO <i>Xiphias gladius</i> | 414 | A | 1 | 2 | 1 | 23.2 | 135 | | | | | | |
| 10 | 15:13 | SWO <i>Xiphias gladius</i> | 415 | A | 2 | 2 | 1 | 4.4 | 80 | | | | | | |
| 10 | 16:10 | SWO <i>Xiphias gladius</i> | 416 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 10 | 16:23 | BSH <i>Prionace glauca</i> | 417 | A | 2 | 2 | 1 | 66.7 | 290 | 240 | 61 | 23 | y | n | |
| 10 | 16:35 | SWO <i>Xiphias gladius</i> | 418 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 10 | 16:55 | SWO <i>Xiphias gladius</i> | 419 | A | 3 | 2 | 1 | 63.8 | 185 | | | | | | |
| 10 | 17:15 | BET <i>Thunnus obesus</i> | 420 | A | 3 | 3 | 2 | 58.3 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

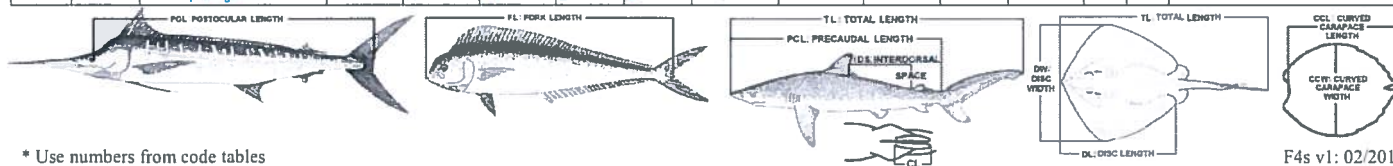
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|----------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 10 | 17:27 | BSH <i>Prionace glauca</i> | 421 | A | 4 | 2 | 2 | 10 | 165 | 130 | 33 | | | | |
| 10 | 19:48 | SWO <i>Xiphias gladius</i> | 422 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 10 | 20:12 | SWO <i>Xiphias gladius</i> | 423 | A | 2 | 2 | 2 | 18,1 | 125 | | | | | | |
| 10 | 20:28 | SWO <i>Xiphias gladius</i> | 424 | A | 2 | 2 | 2 | 13,9 | 115 | | | | | | |
| 10 | 21:00 | BSH <i>Prionace glauca</i> | 425 | A | 2 | 2 | 2 | 23 | 200 | 170 | 50 | | | | Sistema Reprodutor de fora |
| 10 | 21:21 | BSH <i>Prionace glauca</i> | 426 | A | 2 | 2 | 2 | 44,1 | 255 | 210 | 53 | | | | |
| 10 | 21:35 | SWO <i>Xiphias gladius</i> | 427 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | Mordido na cauda |
| 10 | 22:03 | SWO <i>Xiphias gladius</i> | 428 | A | 2 | 2 | 1 | 23,2 | 135 | | | | | | |
| 10 | 22:05 | SWO <i>Xiphias gladius</i> | 429 | A | 3 | 2 | 1 | 75,6 | 195 | | | | | | |
| 10 | 0:00 | SWO <i>Xiphias gladius</i> | 430 | A | 1 | 2 | 2 | 137,9 | 235 | | | | | | |
| 10 | 1:37 | BSH <i>Prionace glauca</i> | 431 | A | 2 | 2 | 1 | 54,6 | 270 | 225 | 65 | 21 | y | n | |
| 10 | 2:10 | SSP <i>Tetrapturus angustirostris</i> | 432 | A | 2 | 2 | 2 | | 180 | | | | | | |
| 11 | 10:26 | SWO <i>Xiphias gladius</i> | 433 | A | 2 | 2 | 2 | 303,7 | 300 | | | | | | |
| 11 | 11:11 | SWO <i>Xiphias gladius</i> | 434 | A | 2 | 2 | 2 | 29,2 | 145 | | | | | | |
| 11 | 11:46 | BSH <i>Prionace glauca</i> | 435 | A | 2 | 2 | 2 | 23 | 210 | 170 | 40 | | | | |
| 11 | 12:25 | SWO <i>Xiphias gladius</i> | 436 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 11 | 12:58 | SWO <i>Xiphias gladius</i> | 437 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 11 | 13:00 | MLS <i>Tetrapturus audax</i> | 438 | A | 2 | 2 | 1 | 49,6 | 200 | | | | | | |
| 11 | 13:13 | SWO <i>Xiphias gladius</i> | 439 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 11 | 13:45 | SWO <i>Xiphias gladius</i> | 440 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 11 | 14:17 | SWO <i>Xiphias gladius</i> | 441 | A | 1 | 2 | 2 | 13,9 | 115 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

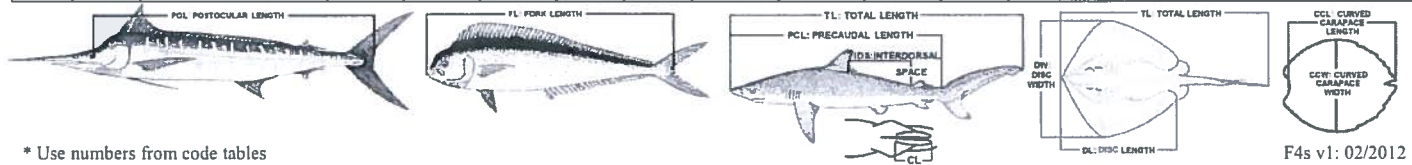
F4

VESSEL: Blueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 11 | 14:50 | SWO Xiphias gladius | 442 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |
| 11 | 14:51 | BSH Prionace glauca | 443 | A | 1 | 2 | 1 | 40,9 | 255 | 205 | 50 | 23 | y | n | |
| 11 | 14:55 | SWO Xiphias gladius | 444 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 11 | 15:22 | SWO Xiphias gladius | 445 | A | 1 | 2 | 2 | 13,9 | 115 | | | | | | |
| 11 | 15:31 | SWO Xiphias gladius | 446 | A | 2 | 2 | 1 | 165 | 95 | | | | | | |
| 11 | 15:40 | SWO Xiphias gladius | 447 | A | 2 | 2 | 1 | 29,2 | 145 | | | | | | |
| 11 | 15:45 | SWO Xiphias gladius | 448 | A | 1 | 2 | 1 | 48,6 | 170 | | | | | | |
| 11 | 16:11 | SWO Xiphias gladius | 449 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 11 | 16:24 | SWO Xiphias gladius | 450 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 11 | 17:00 | SWO Xiphias gladius | 451 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 11 | 17:25 | SWO Xiphias gladius | 452 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 11 | 18:52 | BSH Prionace glauca | 453 | A | 1 | 2 | 1 | 37,9 | 255 | 200 | 50 | 19 | y | n | |
| 11 | 19:11 | SWO Xiphias gladius | 454 | A | 1 | 2 | 1 | 7,6 | 95 | | | | | | |
| 11 | 19:25 | SWO Xiphias gladius | 455 | A | 1 | 2 | 1 | 103,5 | 215 | | | | | | |
| 12 | 9:47 | SWO Xiphias gladius | 456 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 12 | 9:56 | BSH Prionace glauca | 457 | A | 1 | 2 | 2 | 25,1 | 210 | 175 | 45 | | | | |
| 12 | 10:00 | SWO Xiphias gladius | 458 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 12 | 10:30 | ALV Alopias vulpinus | 459 | A | 2 | 5 | | | | | | | | | |
| 12 | 10:37 | SWO Xiphias gladius | 460 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |
| 12 | 10:47 | SWO Xiphias gladius | 461 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 12 | 11:25 | SWO Xiphias gladius | 462 | A | 1 | 2 | 1 | 168,4 | 250 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

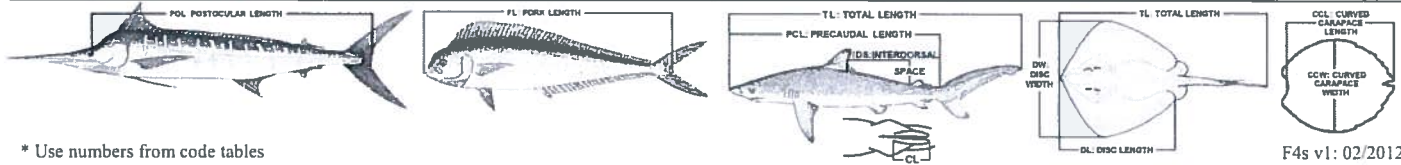
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 12 | 11:27 | SWO Xiphias gladius | 463 | A | 2 | 2 | 2 | 103,5 | 215 | | | | | | |
| 12 | 12:45 | BSH Prionace glauca | 464 | A | 1 | 2 | 2 | 19 | 200 | 160 | 41 | | | | |
| 12 | 13:07 | SWO Xiphias gladius | 465 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 12 | 13:19 | SWO Xiphias gladius | 466 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 12 | 13:46 | BSH Prionace glauca | 467 | A | 1 | 2 | 2 | 25,1 | 215 | 175 | 42 | | | | |
| 12 | 13:50 | SWO Xiphias gladius | 468 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |
| 12 | 13:54 | SWO Xiphias gladius | 469 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 12 | 14:17 | SWO Xiphias gladius | 470 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 12 | 14:19 | LEC Lepidocybium flavobrunneum | 471 | A | 2 | 2 | 1 | 16,6 | 100 | | | | | | |
| 12 | 15:00 | SWO Xiphias gladius | 472 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 12 | 15:11 | BUM Makaira nigricans | 473 | A | 1 | 2 | 2 | 119,9 | 225 | | | | | | |
| 12 | 15:37 | SWO Xiphias gladius | 474 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 12 | 15:40 | SWO Xiphias gladius | 475 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 12 | 15:45 | BSH Prionace glauca | 476 | A | 1 | 2 | 1 | 47,4 | 265 | 215 | 63 | 19 | Y | Y | |
| 12 | 15:59 | SWO Xiphias gladius | 477 | A | 2 | 2 | 1 | 23,2 | 135 | | | | | | |
| 12 | 16:18 | SWO Xiphias gladius | 478 | A | 1 | 2 | 1 | 53,3 | 175 | | | | | | |
| 12 | 16:30 | SWO Xiphias gladius | 479 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 12 | 16:35 | SWO Xiphias gladius | 480 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 12 | 16:45 | LEC Lepidocybium flavobrunneum1 | 481 | A | 2 | 2 | 2 | 12,7 | 110 | | | | | | |
| 12 | 16:50 | LEC Lepidocybium flavobrunneum | 482 | A | 2 | 2 | 1 | 8,1 | 95 | | | | | | |
| 12 | 16:55 | BSH Prionace glauca | 483 | A | 1 | 1 | 1 | 66,7 | 295 | 240 | 61 | 21 | Y | N | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

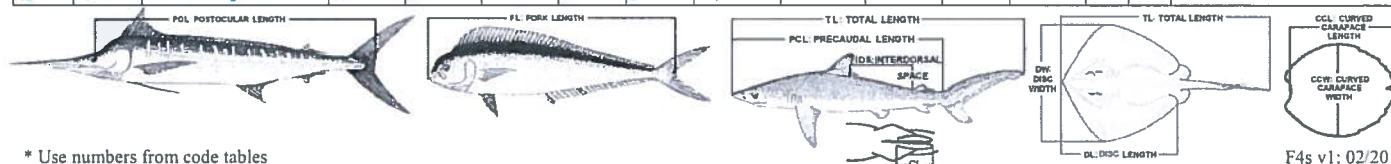
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 12 | 17:00 | SWO Xiphias gladius | 484 | A | 2 | 2 | 1 | 26,1 | 140 | | | | | | |
| 12 | 17:04 | BSH Prionace glauca | 485 | A | 2 | 2 | 1 | 32,4 | 215 | 190 | 44 | 19 | Y | N | |
| 12 | 17:07 | SWO Xiphias gladius | 486 | A | 2 | 2 | 1 | 147,6 | 240 | | | | | | |
| 12 | 17:15 | SWO Xiphias gladius | 487 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 12 | 17:21 | SWO Xiphias gladius | 488 | A | 1 | 2 | 2 | 128,7 | 230 | | | | | | |
| 12 | 18:55 | SWO Xiphias gladius | 489 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 12 | 19:09 | SWO Xiphias gladius | 490 | A | 2 | 2 | 1 | 191,2 | 260 | | | | | | |
| 12 | 19:22 | SWO Xiphias gladius | 491 | A | 1 | 2 | 1 | 48,6 | 170 | | | | | | |
| 12 | 19:45 | BSH Prionace glauca | 492 | A | 1 | 2 | 1 | 58,5 | 280 | 230 | 61 | 20 | Y | N | |
| 12 | 19:45 | SWO Xiphias gladius | 493 | A | 2 | 2 | 2 | 26,1 | 140 | | | | | | |
| 12 | 19:54 | BSH Prionace glauca | 494 | A | 1 | 2 | 2 | 15,6 | 190 | 150 | 40 | | | | |
| 12 | 20:00 | SMA Isurus oxyrinchus | 495 | A | 1 | 2 | 1 | 44,6 | 210 | 180 | 51 | 21 | Y | N | |
| 12 | 20:14 | SWO Xiphias gladius | 496 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 12 | 20:24 | BSH Prionace glauca | 497 | A | 2 | 2 | 2 | 19 | 190 | 160 | 20 | | | | |
| 12 | 20:37 | SWO Xiphias gladius | 498 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 12 | 20:55 | SWO Xiphias gladius | 499 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 12 | 9:45 | SWO Xiphias gladius | 500 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 13 | 9:47 | SWO Xiphias gladius | 501 | A | 3 | 2 | 1 | 82 | 200 | | | | | | |
| 13 | 9:51 | SWO Xiphias gladius | 502 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 13 | 10:00 | BSH Prionace glauca | 503 | A | 1 | 1 | 2 | 37,9 | 245 | 200 | 50 | | | | |
| 13 | 10:15 | BSH Prionace glauca | 504 | A | 3 | 2 | 2 | 33,2 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | Observations | |
|---------|-------|-----------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|--------------|-------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | | SEMEN |
| 13 | 10:15 | BSH <i>Prionace glauca</i> | 505 | A | 1 | 2 | 1 | 44.1 | 255 | 210 | 63 | 21 | Y | N | |
| 31 | 10:24 | BSH <i>Prionace glauca</i> | 506 | A | 1 | 2 | 2 | 19 | 200 | 160 | 40 | | | | |
| 13 | 10:27 | BSH <i>Prionace glauca</i> | 507 | A | 1 | 2 | 1 | 58.5 | 270 | 230 | 60 | 22 | Y | N | |
| 13 | 10:43 | BSH <i>Prionace glauca</i> | 508 | A | 1 | 2 | 2 | 32.4 | 230 | 190 | 41 | | | | |
| 13 | 10:45 | BSH <i>Prionace glauca</i> | 509 | A | 1 | 2 | 2 | 23 | 210 | 170 | 41 | | | | |
| 13 | 10:55 | SWO <i>Xiphias gladius</i> | 510 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 13 | 11:04 | BSH <i>Prionace glauca</i> | 511 | A | 1 | 2 | 2 | 15.6 | 180 | 150 | 40 | | | | |
| 13 | 11:55 | BSH <i>Prionace glauca</i> | 512 | A | 1 | 2 | 2 | 15.6 | 190 | 150 | 43 | | | | |
| 13 | 11:56 | BSH <i>Prionace glauca</i> | 513 | A | 2 | 2 | 1 | 37.9 | 250 | 200 | 62 | 20 | Y | N | |
| 13 | 12:15 | BSH <i>Prionace glauca</i> | 514 | A | 2 | 2 | 2 | 27.4 | 235 | 180 | 46 | | | | |
| 13 | 12:24 | SWO <i>Xiphias gladius</i> | 515 | A | 1 | 2 | 1 | 13.9 | 115 | | | | | | |
| 13 | 12:30 | SWO <i>Xiphias gladius</i> | 516 | A | 1 | 2 | 2 | 53.3 | 175 | | | | | | |
| 13 | 12:53 | SWO <i>Xiphias gladius</i> | 517 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 13 | 13:05 | BET <i>Thunnus obesus</i> | 518 | A | 1 | 2 | 1 | 70.5 | 160 | | | | | | |
| 13 | 13:21 | SWO <i>Xiphias gladius</i> | 519 | A | 1 | 2 | 1 | 44.2 | 165 | | | | | | |
| 13 | 13:48 | SWO <i>Xiphias gladius</i> | 520 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 13 | 13:57 | SWO <i>Xiphias gladius</i> | 521 | A | 2 | 2 | 1 | 8.9 | 100 | | | | | | |
| 13 | 14:02 | SWO <i>Xiphias gladius</i> | 522 | A | 2 | 2 | 2 | 103.5 | 215 | | | | | | |
| 13 | 14:18 | WAH <i>Acanthocybium solandri</i> | 523 | A | 2 | 5 | | 5.3 | 100 | | | | | | |
| 13 | 14:45 | BSH <i>Prionace glauca</i> | 524 | A | 2 | 2 | 1 | 75.7 | 290 | 250 | 61 | 20 | Y | N | |
| 13 | 15:05 | BSH <i>Prionace glauca</i> | 525 | A | 2 | 2 | 1 | 75.7 | 220 | 200 | 50 | 20 | Y | N | |



* Use numbers from code tables

F4s v1: 02/2012

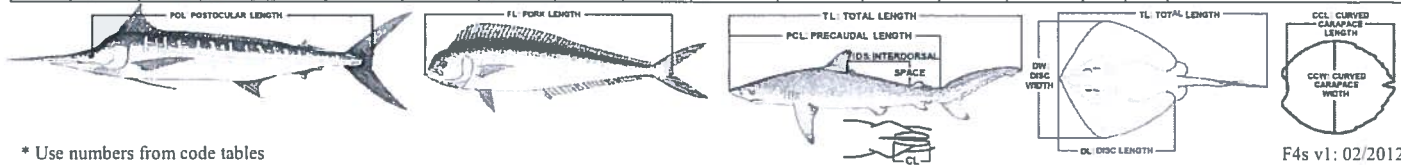
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 13 | 15:15 | SWO Xiphias gladius | 526 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 13 | 15:18 | SWO Xiphias gladius | 527 | A | 2 | 2 | 1 | 63.8 | 185 | | | | | | |
| 13 | 15:38 | SWO Xiphias gladius | 528 | A | 1 | 1 | 1 | 58.4 | 180 | | | | | | |
| 13 | 15:47 | SWO Xiphias gladius | 529 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 13 | 15:51 | BSH Prionace glauca | 530 | A | 1 | 2 | 2 | 27.4 | 230 | 180 | 50 | | | | |
| 13 | 15:56 | SWO Xiphias gladius | 531 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 13 | 15:59 | BSH Prionace glauca | 532 | A | 2 | 2 | 2 | 23 | 220 | 170 | 49 | | | | |
| 13 | 16:08 | BSH Prionace glauca | 533 | A | 2 | 2 | 2 | 23 | 210 | 170 | 49 | | | | |
| 13 | 16:16 | SWO Xiphias gladius | 534 | A | 1 | 2 | 2 | 23.2 | 135 | | | | | | |
| 13 | 16:20 | SWO Xiphias gladius | 535 | A | 2 | 2 | 1 | 82 | 200 | | | | | | |
| 13 | 16:25 | SWO Xiphias gladius | 536 | A | 2 | 2 | 1 | 44.2 | 165 | | | | | | |
| 13 | 16:34 | SWO Xiphias gladius | 537 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 13 | 16:47 | SWO Xiphias gladius | 538 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 13 | 16:54 | SWO Xiphias gladius | 539 | A | 3 | 2 | 2 | 128.7 | 230 | | | | | | |
| 13 | 17:16 | SWO Xiphias gladius | 540 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 13 | 17:20 | BSH Prionace glauca | 541 | A | 1 | 2 | 2 | 20.9 | 205 | 165 | 45 | | | | |
| 13 | 19:05 | SWO Xiphias gladius | 542 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 13 | 19:13 | SWO Xiphias gladius | 543 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 13 | 19:31 | SWO Xiphias gladius | 544 | A | 1 | 2 | 2 | 12.7 | 110 | | | | | | |
| 13 | 19:34 | MLS Tetrapurus audax | 545 | A | 1 | 2 | 1 | 41.8 | 190 | | | | | | |
| 13 | 19:56 | SWO Xiphias gladius | 546 | A | 1 | 2 | 1 | 8.9 | 100 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

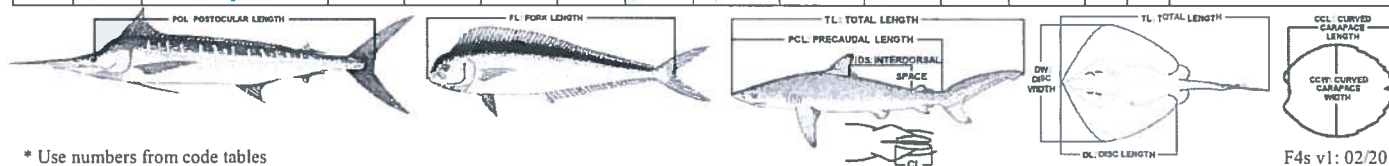
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 13 | 20:15 | SWO Xiphias gladius | 547 | A | 2 | 2 | 2 | 20.6 | 130 | | | | | | |
| 13 | 20:38 | BSH Prionace glauca | 548 | A | 1 | 2 | 2 | 10 | 190 | 130 | 42 | | | | |
| 14 | 9:56 | SWO Xiphias gladius | 549 | A | 2 | 2 | 1 | 12.1 | 110 | | | | | | |
| 14 | 10:18 | BSH Prionace glauca | 550 | A | 2 | 2 | 1 | 40.9 | 230 | 205 | 46 | 17 | y | y | |
| 14 | 10:22 | SWO Xiphias gladius | 551 | A | 1 | 2 | 2 | 58.4 | 180 | | | | | | |
| 14 | 10:40 | SWO Xiphias gladius | 552 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 14 | 10:57 | BSH Prionace glauca | 553 | A | 1 | 2 | 2 | 19 | 190 | 160 | 41 | | | | |
| 14 | 11:42 | WAH Acanthocybium solandri | 554 | A | 2 | 1 | | | | | | | | | So cabeça |
| 14 | 11:54 | SWO Xiphias gladius | 555 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 14 | 13:21 | SWO Xiphias gladius | 556 | A | 1 | 2 | 1 | 191.2 | 260 | | | | | | |
| 14 | 13:31 | BSH Prionace glauca | 557 | A | 2 | 2 | 1 | 37.9 | 250 | 200 | 55 | 20 | y | n | |
| 14 | 13:59 | SWO Xiphias gladius | 558 | A | 1 | 2 | 2 | 23.2 | 135 | | | | | | |
| 14 | 14:02 | SWO Xiphias gladius | 559 | A | 1 | 2 | 2 | 10.4 | 105 | | | | | | |
| 14 | 14:08 | SWO Xiphias gladius | 560 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 14 | 14:12 | SWO Xiphias gladius | 561 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 14 | 14:24 | SWO Xiphias gladius | 562 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 14 | 14:34 | SWO Xiphias gladius | 563 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 14 | 14:37 | SWO Xiphias gladius | 564 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 14 | 14:41 | SSP Tetraplurus angustirostris | 565 | A | 2 | 2 | 2 | | 150 | | | | | | |
| 14 | 14:49 | BSH Prionace glauca | 566 | A | 1 | 2 | 1 | 50.9 | 290 | 220 | 60 | 21 | y | n | |
| 14 | 15:15 | BSH Prionace glauca | 567 | A | 2 | 2 | 2 | 12.6 | 185 | 140 | 40 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

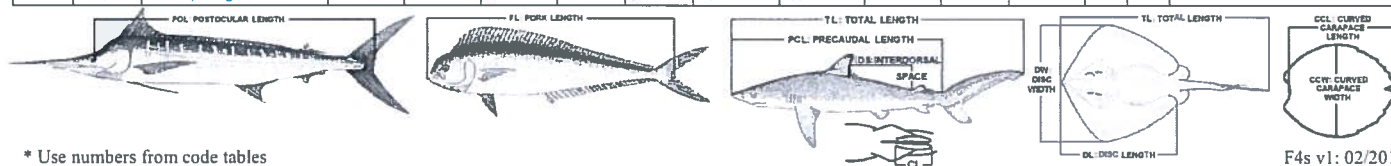
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 14 | 15:23 | BSH <i>Prionace glauca</i> | 568 | A | 1 | 2 | 2 | 27.4 | 230 | 180 | 42 | | | | |
| 14 | 15:30 | SWO <i>Xiphias gladius</i> | 569 | A | 1 | 2 | 1 | 10.4 | 105 | | | | | | |
| 14 | 15:48 | SWO <i>Xiphias gladius</i> | 570 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 14 | 16:25 | SWO <i>Xiphias gladius</i> | 571 | A | 1 | 2 | 1 | 69.5 | 190 | | | | | | |
| 14 | 16:34 | SWO <i>Xiphias gladius</i> | 572 | A | 1 | 2 | 1 | 23.2 | 135 | | | | | | |
| 14 | 16:45 | SWO <i>Xiphias gladius</i> | 573 | A | 1 | 2 | 1 | 44.2 | 165 | | | | | | |
| 14 | 16:51 | SWO <i>Xiphias gladius</i> | 574 | A | 1 | 2 | 2 | 12.1 | 110 | | | | | | |
| 14 | 17:10 | BSH <i>Prionace glauca</i> | 575 | A | 2 | 2 | 1 | 58.5 | 295 | 230 | 60 | 21 | y | y | |
| 14 | 18:45 | SPN <i>Sphyrna</i> spp | 576 | A | 3 | 5 | 1 | | | | | | | | |
| 14 | 18:47 | SWO <i>Xiphias gladius</i> | 577 | A | 2 | 2 | 1 | 69.5 | 190 | | | | | | |
| 14 | 18:50 | SWO <i>Xiphias gladius</i> | 578 | A | 1 | 2 | 1 | 8.9 | 100 | | | | | | |
| 14 | 18:58 | SWO <i>Xiphias gladius</i> | 579 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 14 | 19:10 | SWO <i>Xiphias gladius</i> | 580 | A | 2 | 2 | 2 | 179.6 | 255 | | | | | | |
| 14 | 19:36 | SWO <i>Xiphias gladius</i> | 581 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 14 | 19:55 | SWO <i>Xiphias gladius</i> | 582 | A | 2 | 2 | 1 | 111.5 | 220 | | | | | | |
| 14 | 19:58 | BSH <i>Prionace glauca</i> | 583 | A | 1 | 2 | 1 | 32.4 | 230 | 190 | 51 | 21 | y | n | |
| 15 | 9:25 | BSH <i>Prionace glauca</i> | 584 | A | 1 | 2 | 1 | 50.9 | 260 | 220 | 53 | 22 | y | n | |
| 15 | 9:39 | BSH <i>Prionace glauca</i> | 585 | A | 1 | 2 | 2 | 27.4 | 215 | 180 | 44 | | | | |
| 15 | 10:06 | SWO <i>Xiphias gladius</i> | 586 | A | 1 | 2 | 1 | 69.5 | 190 | | | | | | |
| 15 | 10:45 | SWO <i>Xiphias gladius</i> | 587 | A | 2 | 2 | 2 | 147.6 | 240 | | | | | | |
| 15 | 11:10 | SWO <i>Xiphias gladius</i> | 588 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

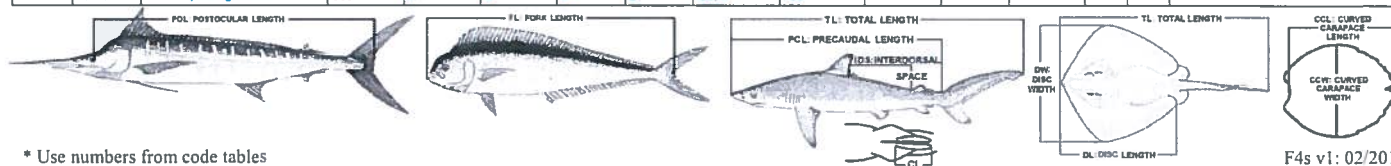
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|------------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 15 | 11:11 | SWO Xiphias gladius | 589 | A | 2 | 2 | 1 | 8.9 | 100 | | | | | | |
| 15 | 12:10 | BSH Prionace glauca | 590 | A | 2 | 2 | 2 | 12.6 | 190 | 140 | 36 | | | | |
| 15 | 12:27 | SWO Xiphias gladius | 591 | A | 2 | 2 | 2 | 147.6 | 240 | | | | | | |
| 15 | 12:59 | SWO Xiphias gladius | 592 | A | 2 | 2 | 1 | 44.2 | 165 | | | | | | |
| 15 | 13:24 | SWO Xiphias gladius | 593 | A | 2 | 2 | 1 | 53.3 | 175 | | | | | | |
| 15 | 13:51 | BSH Prionace glauca | 594 | A | 2 | 2 | 2 | 37.9 | 240 | 200 | 48 | | | | |
| 15 | 14:09 | SWO Xiphias gladius | 595 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 15 | 14:16 | SWO Xiphias gladius | 596 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 15 | 14:28 | BSH Prionace glauca | 597 | A | 1 | 2 | 2 | 32.4 | 230 | 190 | 50 | | | | |
| 15 | 14:40 | SWO Xiphias gladius | 598 | A | 1 | 2 | 2 | 58.4 | 180 | | | | | | |
| 15 | 14:50 | SWO Xiphias gladius | 599 | A | 1 | 2 | 1 | 23.2 | 135 | | | | | | |
| 15 | 15:16 | SWO Xiphias gladius | 600 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 15 | 15:58 | SWO Xiphias gladius | 601 | A | 3 | 2 | 2 | 58.4 | 180 | | | | | | |
| 15 | 16:08 | SWO Xiphias gladius | 602 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 15 | 16:13 | SWO Xiphias gladius | 603 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 15 | 19:20 | SWO Xiphias gladius | 604 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 15 | 19:34 | SWO Xiphias gladius | 605 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 15 | 19:45 | SMA Isurus oxyrinchus | 606 | A | 1 | 2 | 2 | 52.4 | 210 | 190 | 51 | | | | |
| 15 | 20:03 | SWO Xiphias gladius | 607 | A | 1 | 2 | 2 | 272.1 | 290 | | | | | | |
| 15 | 20:25 | SWO Xiphias gladius | 608 | A | 2 | 1 | | | | | | | | | So a cabeça comido pela Orca |
| 15 | 20:25 | SWO Xiphias gladius | 609 | A | 2 | 2 | 2 | 58.4 | 180 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

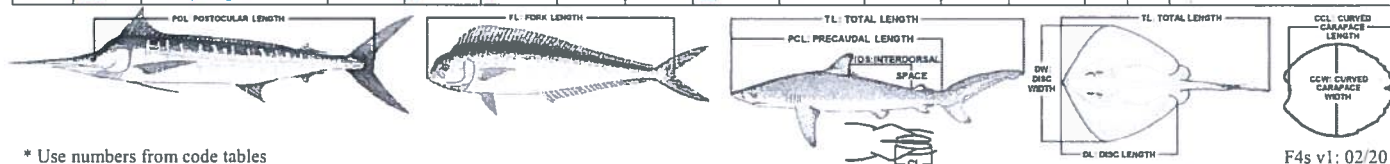
CATCH FORM ¹

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 16 | 13:05 | BSH <i>Prionace glauca</i> | 610 | A | 1 | 2 | 2 | 19 | 200 | 160 | 41 | | | | |
| 16 | 13:14 | BSH <i>Prionace glauca</i> | 611 | A | 1 | 2 | 2 | 27.4 | 235 | 180 | 46 | | | | |
| 16 | 13:30 | SWO <i>Xiphias gladius</i> | 612 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 16 | 13:52 | SWO <i>Xiphias gladius</i> | 613 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 16 | 14:25 | SWO <i>Xiphias gladius</i> | 614 | A | 1 | 2 | 1 | 88.8 | 205 | | | | | | |
| 16 | 14:28 | BSH <i>Prionace glauca</i> | 615 | A | 2 | 2 | 2 | 12.6 | 170 | 140 | 34 | | | | |
| 16 | 14:33 | SWO <i>Xiphias gladius</i> | 616 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 16 | 14:36 | SWO <i>Xiphias gladius</i> | 617 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 16 | 14:43 | SMA <i>Isurus oxyrinchus</i> | 618 | A | 3 | 2 | 2 | 204 | 370 | 300 | 90 | | | | |
| 16 | 15:36 | SWO <i>Xiphias gladius</i> | 619 | A | 3 | 2 | 1 | 26.1 | 140 | | | | | | |
| 16 | 15:41 | LEC <i>Lepidocybium flavobrunneum</i> | 620 | A | 2 | 2 | 2 | 9.5 | 100 | | | | | | |
| 16 | 16:19 | SWO <i>Xiphias gladius</i> | 621 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 16 | 16:26 | SWO <i>Xiphias gladius</i> | 622 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 16 | 16:34 | SWO <i>Xiphias gladius</i> | 623 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 16 | 16:40 | BSH <i>Prionace glauca</i> | 624 | A | 2 | 2 | 2 | 27.4 | 210 | 180 | 42 | | | | |
| 16 | 19:04 | BSH <i>Prionace glauca</i> | 625 | A | 2 | 2 | 2 | 27.4 | 210 | 180 | 44 | | | | |
| 16 | 19:17 | SWO <i>Xiphias gladius</i> | 626 | A | 2 | 2 | 2 | 12.1 | 100 | | | | | | |
| 16 | 19:25 | BSH <i>Prionace glauca</i> | 627 | A | 2 | 2 | 2 | 19 | 195 | 160 | 43 | | | | |
| 16 | 19:30 | SWO <i>Xiphias gladius</i> | 628 | A | 2 | 2 | 1 | 69.5 | 190 | | | | | | |
| 16 | 19:45 | SWO <i>Xiphias gladius</i> | 629 | A | 1 | 2 | 1 | 69.5 | 190 | | | | | | |
| 16 | 19:56 | SWO <i>Xiphias gladius</i> | 630 | A | 1 | 2 | 2 | 69.5 | 190 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|---|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 16 | 20:33 | SWO Xiphias gladius | 631 | A | 3 | 2 | 1 | 15.9 | 120 | | | | | | |
| 16 | 21:48 | BSH Prionace glauca | 632 | A | 1 | 2 | 2 | 23 | 210 | 170 | 42 | | | | |
| 16 | 21:58 | LEC Lepidocybium flavobrunneum | 633 | A | 2 | 2 | 2 | 6.8 | 90 | | | | | | |
| 16 | 22:35 | BSH Prionace glauca | 634 | A | 1 | 2 | 1 | 75.7 | 330 | 250 | 70 | 23 | y | n | |
| 16 | 22:54 | SWO Xiphias gladius | 635 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 16 | 23:03 | SMA Isurus oxyrinchus | 636 | A | 1 | 5 | 2 | | | | | | | | Descartado individuo lacerado pela heitca |
| 17 | 10:24 | ALV Alopias vulpinus | 637 | A | 2 | 5 | | | | | | | | | |
| 17 | 10:43 | BSH Prionace glauca | 638 | A | 2 | 2 | 2 | 27.4 | 230 | 180 | 43 | | | | |
| 17 | 11:14 | BSH Prionace glauca | 639 | A | 2 | 2 | 1 | 37.9 | 250 | 200 | 63 | 20 | y | n | |
| 17 | 11:55 | SWO Xiphias gladius | 640 | A | 2 | 2 | 2 | 23.2 | 135 | | | | | | |
| 17 | 12:05 | BSH Prionace glauca | 641 | A | 1 | 2 | 2 | 37.9 | 250 | 200 | 49 | | | | |
| 17 | 12:50 | SMA Isurus oxyrinchus | 642 | A | 2 | 2 | 2 | 61 | 250 | 200 | 49 | | | | |
| 17 | 13:13 | LEC Lepidocybium flavobrunneum | 643 | A | 2 | 2 | 2 | 12.7 | 110 | | | | | | |
| 17 | 14:04 | SWO Xiphias gladius | 644 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 17 | 14:14 | SWO Xiphias gladius | 645 | A | 2 | 2 | 2 | 26.1 | 140 | | | | | | |
| 17 | 14:24 | BSH Prionace glauca | 646 | A | 1 | 2 | 2 | 32.4 | 230 | 190 | 44 | | | | |
| 17 | 14:55 | LEC Lepidocybium flavobrunneum | 647 | A | 2 | 2 | 2 | 33.2 | 150 | | | | | | |
| 17 | 15:18 | SWO Xiphias gladius | 648 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 17 | 15:27 | SWO Xiphias gladius | 649 | A | 1 | 2 | 1 | 23.2 | 135 | | | | | | |
| 17 | 15:38 | BSH Prionace glauca | 650 | A | 1 | 2 | 1 | 85.5 | 310 | 260 | 66 | 23 | y | y | |
| 17 | 16:09 | LEC Lepidocybium flavobrunneum | 651 | A | 2 | 2 | 2 | 18.9 | 125 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

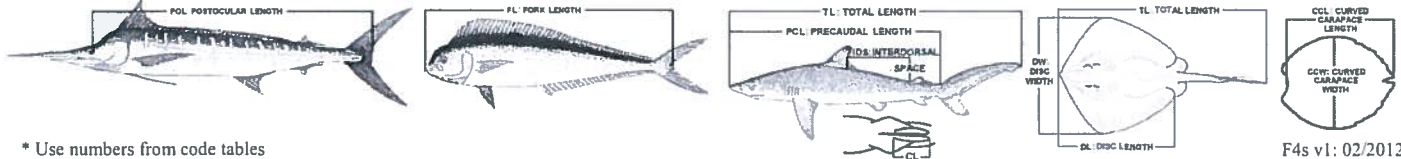
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 17 | 16:21 | SMA <i>Isurus oxyrinchus</i> | 652 | A | 1 | 2 | 2 | 52.4 | 230 | 190 | 56 | | | | |
| 17 | 16:30 | SWO <i>Xiphias gladius</i> | 653 | A | 1 | 2 | 1 | 58.4 | 180 | | | | | | |
| 17 | 16:58 | BSH <i>Prionace glauca</i> | 654 | A | 1 | 2 | 2 | 19 | 200 | 160 | 40 | | | | |
| 17 | 17:10 | BSH <i>Prionace glauca</i> | 655 | A | 1 | 2 | 2 | 27.4 | 220 | 180 | 44 | | | | |
| 17 | 18:00 | SWO <i>Xiphias gladius</i> | 656 | A | 3 | 2 | 2 | 216 | 270 | | | | | | |
| 18 | 9:28 | SWO <i>Xiphias gladius</i> | 657 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 18 | 9:46 | SMA <i>Isurus oxyrinchus</i> | 658 | A | 2 | 2 | 2 | 37.6 | 185 | 170 | 50 | | | | |
| 18 | 9:51 | BSH <i>Prionace glauca</i> | 659 | A | 1 | 2 | 1 | 37.9 | 240 | 200 | 54 | 19 | y | n | |
| 18 | 10:34 | SWO <i>Xiphias gladius</i> | 660 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 18 | 10:45 | SWO <i>Xiphias gladius</i> | 661 | A | 1 | 2 | 1 | 53.3 | 175 | | | | | | |
| 18 | 10:58 | BSH <i>Prionace glauca</i> | 662 | A | 1 | 2 | 2 | 29.8 | 215 | 185 | 45 | | | | |
| 18 | 11:30 | SWO <i>Xiphias gladius</i> | 663 | A | 2 | 2 | 2 | 15.9 | 120 | | | | | | |
| 18 | 12:30 | BSH <i>Prionace glauca</i> | 664 | A | 2 | 2 | 2 | 25.1 | 205 | 175 | 42 | | | | |
| 18 | 12:39 | BSH <i>Prionace glauca</i> | 665 | A | 2 | 2 | 2 | 19 | 180 | 160 | 33 | | | | |
| 18 | 12:46 | SWO <i>Xiphias gladius</i> | 666 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 18 | 12:51 | BSH <i>Prionace glauca</i> | 667 | A | 2 | 2 | 2 | 44.1 | 240 | 210 | 50 | | | | |
| 18 | 13:02 | BSH <i>Prionace glauca</i> | 668 | A | 2 | 2 | 2 | 32.4 | 230 | 190 | 52 | | | | |
| 18 | 13:26 | SWO <i>Xiphias gladius</i> | 669 | A | 2 | 2 | 1 | 12.1 | 110 | | | | | | |
| 18 | 13:35 | BSH <i>Prionace glauca</i> | 670 | A | 2 | 2 | 2 | 23 | 220 | 170 | 46 | | | 1 | |
| 18 | 13:39 | SWO <i>Xiphias gladius</i> | 671 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 18 | 13:50 | WAH <i>Acanthocybium solandri</i> | 672 | A | 2 | 5 | | | | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

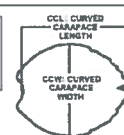
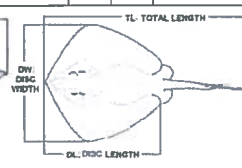
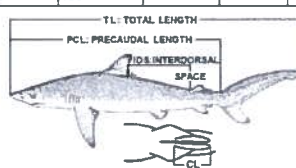
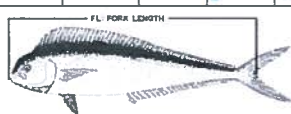
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 18 | 13:55 | SWO Xiphias gladius | 673 | A | 2 | 2 | 1 | 53.3 | 175 | | | | | | |
| 18 | 14:00 | ALV Alopias vulpinus | 674 | A | 2 | 5 | | | | | | | | | |
| 18 | 14:22 | SWO Xiphias gladius | 675 | A | 1 | 2 | 1 | 48.6 | 170 | | | | | | |
| 18 | 14:56 | SWO Xiphias gladius | 676 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 18 | 15:20 | SWO Xiphias gladius | 677 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 18 | 15:47 | YFT Thunnus albacares | 678 | A | 3 | 2 | 2 | 38.1 | 135 | | | | | | |
| 18 | 15:53 | SWO Xiphias gladius | 679 | A | 1 | 2 | 2 | 36.1 | 155 | | | | | | |
| 18 | 16:03 | SWO Xiphias gladius | 680 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 18 | 16:19 | BSH Prionace glauca | 681 | A | 1 | 2 | 2 | 15.6 | 175 | 150 | 39 | | | | |
| 18 | 16:30 | SWO Xiphias gladius | 682 | A | 1 | 2 | 1 | 12.1 | 110 | | | | | | |
| 18 | 16:37 | SMA Isurus oxyrinchus | 683 | A | 2 | 2 | 1 | 44.6 | 200 | 180 | 53 | 22 | y | n | |
| 18 | 16:51 | SWO Xiphias gladius | 684 | A | 1 | 2 | 1 | 18.1 | 125 | | | | | | |
| 18 | 16:58 | SWO Xiphias gladius | 685 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 18 | 17:11 | SWO Xiphias gladius | 686 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 18 | 18:45 | SWO Xiphias gladius | 687 | A | 1 | 2 | 2 | 203.3 | 265 | | | | | | |
| 18 | 20:09 | SWO Xiphias gladius | 688 | A | 3 | 2 | 2 | 111.5 | 220 | | | | | | |
| 19 | 9:15 | BSH Prionace glauca | 689 | A | 1 | 2 | 1 | 29.8 | 220 | 185 | 50 | 18 | y | y | |
| 19 | 9:45 | ALV Alopias vulpinus | 690 | A | 2 | 5 | | | | | | | | | |
| 19 | 10:11 | BET Thunnus obesus | 691 | A | 3 | 2 | 1 | 30.4 | 120 | | | | | | |
| 19 | 10:30 | SWO Xiphias gladius | 692 | A | 2 | 2 | 1 | 44.2 | 165 | | | | | | |
| 19 | 10:39 | SWO Xiphias gladius | 693 | A | 1 | 2 | 2 | 32.5 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

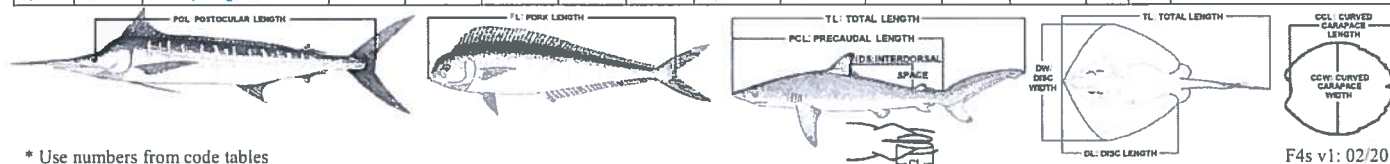
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 19 | 10:45 | SWO Xiphias gladius | 694 | A | 1 | 2 | 1 | 10.4 | 105 | | | | | | |
| 19 | 10:50 | SWO Xiphias gladius | 695 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 19 | 11:15 | SWO Xiphias gladius | 696 | A | 2 | 2 | 2 | 32.5 | 150 | | | | | | |
| 19 | 11:45 | BSH Prionace glauca | 697 | A | 2 | 2 | 1 | 27.4 | 220 | 180 | 51 | 19 | y | n | |
| 19 | 11:53 | SWO Xiphias gladius | 698 | A | 2 | 2 | 1 | 137.9 | 235 | | | | | | |
| 19 | 12:08 | SWO Xiphias gladius | 699 | A | 1 | 2 | 2 | 36.1 | 155 | | | | | | |
| 19 | 12:23 | ALV Alopias vulpinus | 700 | A | 2 | 5 | | | | | | | | | |
| 19 | 12:37 | BSH Prionace glauca | 701 | A | 2 | 1 | 1 | 44.1 | 235 | 210 | 56 | 19 | y | n | |
| 19 | 12:59 | SWO Xiphias gladius | 702 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 19 | 13:01 | BSH Prionace glauca | 703 | A | 1 | 2 | 2 | 37.9 | 240 | 200 | 52 | | | | |
| 19 | 13:18 | SWO Xiphias gladius | 704 | A | 2 | 2 | 1 | 48.6 | 170 | | | | | | |
| 19 | 13:38 | SWO Xiphias gladius | 705 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 19 | 13:40 | SWO Xiphias gladius | 706 | A | 1 | 2 | 2 | 15.9 | 120 | | | | | | |
| 19 | 13:44 | SWO Xiphias gladius | 707 | A | 2 | 2 | 1 | 23.2 | 135 | | | | | | |
| 19 | 13:53 | SWO Xiphias gladius | 708 | A | 1 | 3 | 1 | 58.4 | 180 | | | | | | Comido na cauda/ Cozinha |
| 19 | 14:15 | MLS Tetrapturus audax | 709 | A | 2 | 2 | 2 | 35 | 180 | | | | | | |
| 19 | 14:34 | SWO Xiphias gladius | 710 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 19 | 14:41 | BUM Makaira nigricans | 711 | A | 2 | 2 | 1 | 35 | 180 | | | | | | |
| 19 | 14:58 | BSH Prionace glauca | 712 | A | 1 | 2 | 2 | 19 | 200 | 160 | 36 | | | | |
| 19 | 15:04 | BSH Prionace glauca | 713 | A | 2 | 2 | 2 | 19 | 180 | 160 | 40 | | | | |
| 19 | 15:08 | SWO Xiphias gladius | 714 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

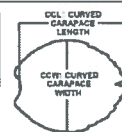
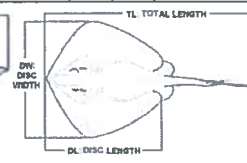
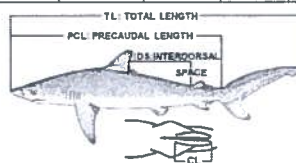
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 19 | 15:14 | SWO Xiphias gladius | 715 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 19 | 15:23 | BSH Prionace glauca | 716 | A | 2 | 2 | 1 | 44.1 | 250 | 210 | 46 | 21 | y | y | |
| 19 | 15:33 | SWO Xiphias gladius | 717 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 19 | 15:45 | SWO Xiphias gladius | 718 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 19 | 16:00 | BSH Prionace glauca | 719 | A | 1 | 2 | 2 | 15.6 | 190 | 150 | 36 | | | | |
| 19 | 16:08 | SWO Xiphias gladius | 720 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 19 | 16:21 | SWO Xiphias gladius | 721 | A | 2 | 2 | 2 | 26.1 | 140 | | | | | | |
| 19 | 16:28 | BSH Prionace glauca | 722 | A | 1 | 2 | 2 | 19 | 200 | 160 | 44 | | | | |
| 19 | 16:30 | SWO Xiphias gladius | 723 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 19 | 16:36 | SWO Xiphias gladius | 724 | A | 2 | 2 | 2 | 96 | 210 | | | | | | |
| 19 | 17:12 | SWO Xiphias gladius | 725 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 19 | 18:20 | SWO Xiphias gladius | 726 | A | 1 | 2 | 1 | 12.1 | 110 | | | | | | |
| 19 | 18:25 | SWO Xiphias gladius | 727 | A | 2 | 2 | 1 | 29.2 | 145 | | | | | | |
| 19 | 18:40 | BSH Prionace glauca | 728 | A | 1 | 2 | 2 | 23 | 205 | 170 | 42 | | | | |
| 19 | 18:46 | BSH Prionace glauca | 729 | A | 1 | 2 | 1 | 32.4 | 210 | 190 | 52 | 21 | y | n | |
| 19 | 18:58 | SWO Xiphias gladius | 730 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 19 | 19:06 | SWO Xiphias gladius | 731 | A | 1 | 2 | 2 | 63.8 | 185 | | | | | | |
| 19 | 19:13 | SWO Xiphias gladius | 732 | A | 2 | 2 | 1 | 75.6 | 195 | | | | | | |
| 19 | 19:20 | SMA Isurus oxyrinchus | 733 | A | 1 | 2 | 2 | 61 | 230 | 200 | 61 | | | | |
| 19 | 19:21 | BSH Prionace glauca | 734 | A | 1 | 2 | 1 | 44.1 | 240 | 210 | 52 | 19 | y | n | |
| 19 | 19:35 | SWO Xiphias gladius | 735 | A | 2 | 2 | 2 | 53.3 | 175 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

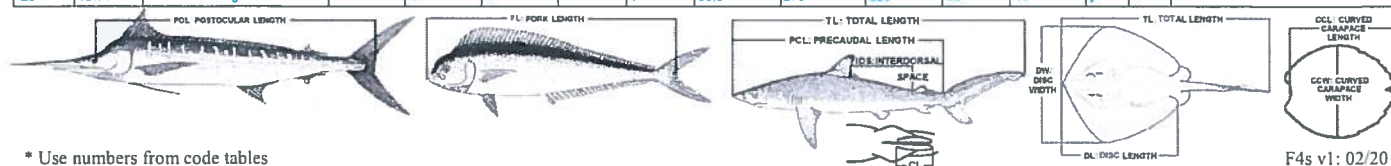
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 19 | 19:45 | SWO Xiphias gladius | 736 | A | 3 | 2 | 2 | 44.2 | 165 | | | | | | |
| 19 | 19:55 | SWO Xiphias gladius | 737 | A | 2 | 2 | 2 | 69.5 | 190 | | | | | | |
| 20 | 9:45 | SWO Xiphias gladius | 738 | A | 1 | 3 | | | | | | | | | so metade para consumo da tripulação |
| 20 | 9:55 | BSH Prionace glauca | 739 | A | 1 | 2 | 1 | 44.1 | 250 | 210 | 60 | 21 | y | n | |
| 20 | 10:00 | BUM Makaira nigricans | 740 | A | 1 | 2 | 2 | 68.1 | 220 | | | | | | |
| 20 | 10:04 | SWO Xiphias gladius | 741 | A | 2 | 1 | 1 | 29.2 | 145 | | | | | | |
| 20 | 10:24 | BSH Prionace glauca | 742 | A | 2 | 2 | 1 | 32.4 | 240 | 190 | 48 | 20 | y | n | |
| 20 | 11:00 | ALV Alopias vulpinus | 743 | A | 2 | 5 | 2 | | | | | | | | |
| 20 | 11:21 | SWO Xiphias gladius | 744 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 20 | 11:28 | BSH Prionace glauca | 745 | A | 1 | 2 | 2 | 29.8 | 215 | 185 | 44 | | | | |
| 20 | 11:38 | LEC Lepidocybium flavobrunneum | 746 | A | 1 | 2 | 2 | 9.5 | 100 | | | | | | |
| 20 | 12:01 | BSH Prionace glauca | 747 | A | 2 | 2 | 1 | 37.9 | 250 | 200 | 55 | 21 | y | n | |
| 20 | 12:03 | WAH Acanthocybium solandri | 748 | A | 2 | 3 | | | | | | | | | Consumo para a tripulação |
| 20 | 12:20 | SWO Xiphias gladius | 749 | A | 2 | 2 | 1 | 48.6 | 170 | | | | | | |
| 20 | 12:25 | SWO Xiphias gladius | 750 | A | 1 | 2 | 2 | 36.1 | 155 | | | | | | |
| 20 | 12:37 | SWO Xiphias gladius | 751 | A | 2 | 2 | 2 | 63.8 | 185 | | | | | | |
| 20 | 12:43 | BET Thunnus obesus | 752 | A | 2 | 2 | 2 | 91.7 | 175 | | | | | | |
| 20 | 12:54 | SWO Xiphias gladius | 753 | A | 1 | 2 | 1 | 12.1 | 110 | | | | | | |
| 20 | 13:05 | SWO Xiphias gladius | 754 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 20 | 13:07 | SWO Xiphias gladius | 755 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 20 | 13:14 | BSH Prionace glauca | 756 | A | 1 | 2 | 1 | 50.9 | 270 | 220 | 53 | 19 | y | n | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|--------------------|------------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 20 | 13:22 | SWO Xiphias gladius | 757 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 20 | 13:35 | SWO Xiphias gladius | 758 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 20 | 13:39 | BSH Prionace glauca | 759 | A | 1 | 2 | 1 | 50.9 | 270 | 220 | 53 | 19 | y | n | |
| 20 | 13:42 | SWO Xiphias gladius | 760 | A | 2 | 2 | 2 | 35.1 | 225 | 195 | 47 | | | | |
| 20 | 13:54 | SWO Xiphias gladius | 761 | A | 1 | 2 | 2 | 36.1 | 155 | | | | | | |
| 20 | 14:04 | SWO Xiphias gladius | 762 | A | 2 | 2 | 2 | 29.2 | 145 | | | | | | |
| 20 | 14:10 | SWO Xiphias gladius | 763 | A | 2 | 2 | 1 | 8.9 | 100 | | | | | | |
| 20 | 14:20 | SWO Xiphias gladius | 764 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 20 | 14:41 | ALV Alopias vulpinus | 765 | A | 2 | 5 | | | | | | | | | |
| 20 | 14:49 | WAH Acanthocybium solandri | 766 | A | 1 | 1 | | | | | | | | | |
| 20 | 14:55 | LEC Lepidocybium flavobrunneum | 767 | A | 2 | 2 | 2 | 18.9 | 125 | | | | | | |
| 20 | 14:57 | SWO Xiphias gladius | 768 | A | 3 | 2 | 2 | 53.3 | 175 | | | | | | |
| 20 | 15:02 | SWO Xiphias gladius | 769 | A | 1 | 2 | 1 | 53.3 | 175 | | | | | | |
| 20 | 15:24 | SWO Xiphias gladius | 770 | A | 3 | 2 | 1 | 53.3 | 175 | | | | | | |
| 20 | 15:35 | SWO Xiphias gladius | 771 | A | 2 | 2 | 2 | 119.9 | 225 | | | | | | |
| 20 | 15:57 | SWO Xiphias gladius | 772 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 20 | 16:05 | SWO Xiphias gladius | 773 | A | 2 | 2 | 1 | 44.2 | 165 | | | | | | |
| 20 | 16:21 | SWO Xiphias gladius | 774 | A | 1 | 2 | 1 | 32.5 | 150 | | | | | | |
| 20 | 16:25 | SWO Xiphias gladius | 775 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 20 | 16:36 | SWO Xiphias gladius | 776 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 20 | 16:47 | SWO Xiphias gladius | 777 | A | 2 | 2 | 2 | 53.3 | 175 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 20 | 16:56 | SWO Xiphias gladius | 778 | A | 1 | 2 | 1 | 53.3 | 175 | | | | | | |
| 20 | 18:36 | SWO Xiphias gladius | 779 | A | 1 | 2 | 1 | 25.1 | 140 | | | | | | |
| 20 | 18:30 | BSH Prionace glauca | 780 | A | 1 | 2 | 2 | 37.9 | 240 | 200 | 51 | | | | |
| 20 | 18:10 | BSH Prionace glauca | 781 | A | 1 | 2 | 2 | 32.4 | 230 | 190 | 53 | | | | |
| 20 | 19:03 | SMA Isurus oxyrinchus | 782 | A | 3 | 2 | 1 | 31.4 | 190 | 160 | 48 | 21 | y | n | |
| 20 | 19:13 | SWO Xiphias gladius | 783 | A | 1 | 2 | 2 | 10.4 | 105 | | | | | | |
| 20 | 19:20 | SWO Xiphias gladius | 784 | A | 2 | 2 | 2 | 96 | 210 | | | | | | |
| 20 | 19:25 | SWO Xiphias gladius | 785 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 20 | 19:36 | BSH Prionace glauca | 786 | A | 1 | 2 | 1 | 44.1 | 240 | 210 | 52 | 20 | y | n | |
| 20 | 19:40 | SWO Xiphias gladius | 787 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 20 | 19:51 | SWO Xiphias gladius | 788 | A | 1 | 2 | 2 | 6.4 | 90 | | | | | | |
| 20 | 19:54 | SWO Xiphias gladius | 789 | A | 1 | 2 | 2 | 32.5 | 150 | | | | | | |
| 21 | 9:55 | SWO Xiphias gladius | 790 | A | 2 | 2 | 2 | 18.1 | 125 | | | | | | |
| 21 | 10:20 | BSH Prionace glauca | 791 | A | 2 | 2 | 1 | 44.1 | 230 | 210 | 59 | 21 | y | n | |
| 21 | 10:43 | SWO Xiphias gladius | 792 | A | 2 | 2 | 2 | 26.1 | 140 | | | | | | |
| 21 | 10:45 | BSH Prionace glauca | 793 | A | 2 | 2 | 2 | 40.9 | 250 | 205 | 50 | | | | |
| 21 | 10:55 | SWO Xiphias gladius | 794 | A | 1 | 2 | 2 | 75.6 | 195 | | | | | | |
| 21 | 12:12 | SMA Isurus oxyrinchus | 795 | A | 1 | 2 | 2 | 52.4 | 210 | 190 | 64 | | | | |
| 21 | 12:28 | SWO Xiphias gladius | 796 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 21 | 13:15 | SWO Xiphias gladius | 797 | A | 1 | 2 | 2 | 48.6 | 170 | | | | | | |
| 21 | 13:30 | BSH Prionace glauca | 798 | A | 2 | 2 | 2 | 19 | 185 | 160 | 39 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

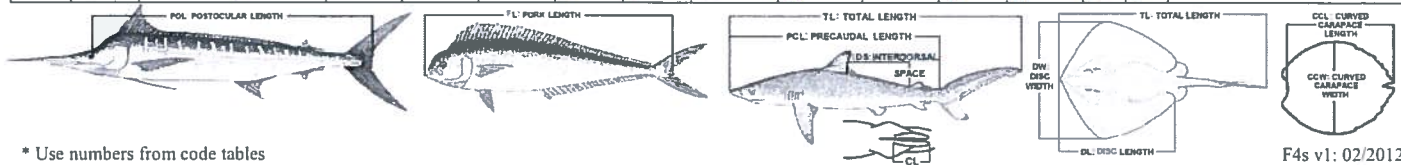
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|-----------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 21 | 13:44 | SSP <i>Tetrapturus angustirostris</i> | 799 | A | 2 | 5 | | | | | | | | | Solto Vivo |
| 21 | 13:47 | SWO <i>Xiphias gladius</i> | 800 | A | 2 | 2 | 2 | 58.4 | 180 | | | | | | |
| 21 | 13:54 | BSH <i>Prionace glauca</i> | 801 | A | 1 | 2 | 1 | 50.9 | 270 | 220 | 61 | 21 | y | n | |
| 21 | 14:06 | SWO <i>Xiphias gladius</i> | 802 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 21 | 14:34 | SWO <i>Xiphias gladius</i> | 803 | A | 1 | 2 | 1 | 12.1 | 110 | | | | | | |
| 21 | 15:09 | SWO <i>Xiphias gladius</i> | 804 | A | 1 | 2 | 2 | 12.1 | 110 | | | | | | |
| 21 | 15:14 | SWO <i>Xiphias gladius</i> | 805 | A | 2 | 2 | 1 | 26.1 | 140 | | | | | | |
| 21 | 15:21 | BSH <i>Prionace glauca</i> | 806 | A | 1 | 2 | 1 | 44.1 | 260 | 210 | 55 | 21 | y | n | |
| 21 | 15:37 | SWO <i>Xiphias gladius</i> | 807 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 21 | 15:44 | SWO <i>Xiphias gladius</i> | 808 | A | 1 | 2 | 2 | 48.6 | 170 | | | | | | |
| 21 | 15:54 | SWO <i>Xiphias gladius</i> | 809 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 21 | 15:55 | SWO <i>Xiphias gladius</i> | 810 | A | 1 | 2 | 2 | 36.1 | 155 | | | | | | |
| 21 | 16:01 | SWO <i>Xiphias gladius</i> | 811 | A | 3 | 2 | 1 | 26.1 | 140 | | | | | | |
| 21 | 16:15 | ALV <i>Alopias vulpinus</i> | 812 | A | 3 | 5 | | | | | | | | | |
| 21 | 16:20 | ALV <i>Alopias vulpinus</i> | 813 | A | 2 | 5 | | | | | | | | | |
| 21 | 16:28 | WAH <i>Acanthocybium solandri</i> | 814 | A | 1 | 3 | 2 | 13.5 | 140 | | | | | | |
| 21 | 16:34 | LEC <i>Lepidocybium flavobrunneum</i> | 815 | A | 1 | 2 | 2 | 26.8 | 140 | | | | | | |
| 21 | 16:39 | BSH <i>Prionace glauca</i> | 816 | A | 2 | 2 | 2 | 44.1 | 240 | 210 | 55 | | | | |
| 21 | 16:54 | SWO <i>Xiphias gladius</i> | 817 | A | 1 | 1 | | | | | | | | | So cabeça, comido pela orca |
| 21 | 17:04 | BSH <i>Prionace glauca</i> | 818 | A | 1 | 2 | 1 | 50.9 | 270 | 220 | 59 | 21 | y | y | |
| 21 | 17:14 | BSH <i>Prionace glauca</i> | 819 | A | 2 | 2 | 1 | 50.9 | 270 | 220 | 59 | 21 | y | y | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

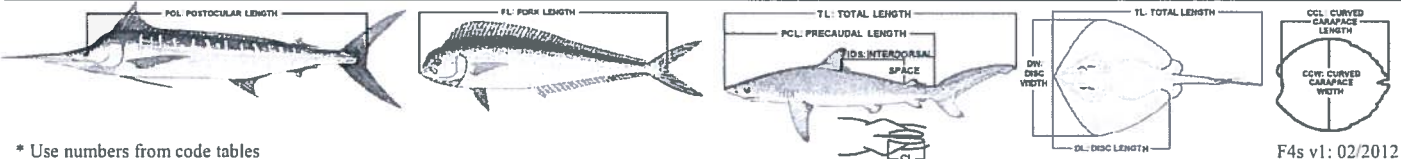
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 21 | 18:50 | SWO Xiphias gladius | 820 | A | 2 | 2 | 1 | 20.6 | 130 | | | | | | |
| 21 | 18:30 | SSP Tetraplurus angustirostris | 821 | A | 1 | 2 | 2 | | 160 | | | | | | |
| 21 | 18:35 | BSH Prionace glauca | 822 | A | 2 | 2 | 1 | 37.9 | 240 | 200 | 52 | 17 | y | n | |
| 21 | 19:00 | SWO Xiphias gladius | 823 | A | 3 | 2 | 2 | 69.5 | 190 | | | | | | |
| 21 | 19:12 | BSH Prionace glauca | 824 | A | 1 | 2 | 1 | 27.4 | 220 | 180 | 59 | 19 | y | n | |
| 21 | 19:17 | BSH Prionace glauca | 825 | A | 1 | 2 | 2 | 37.9 | 240 | 200 | 54 | | | | |
| 21 | 19:20 | SWO Xiphias gladius | 826 | A | 3 | 2 | 1 | 20.6 | 130 | | | | | | |
| 21 | 19:26 | SWO Xiphias gladius | 827 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 21 | 19:35 | SWO Xiphias gladius | 828 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 21 | 19:37 | BSH Prionace glauca | 829 | A | 1 | 2 | 1 | 32.4 | 230 | 190 | 45 | 15 | y | n | |
| 21 | 19:50 | BSH Prionace glauca | 830 | A | 1 | 2 | 2 | 23 | 190 | 170 | 40 | | | | |
| 21 | 19:58 | BUM Makaira nigricans | 831 | A | 2 | 2 | 2 | 68.1 | 220 | | | | | | |
| 21 | 20:21 | SWO Xiphias gladius | 832 | A | 1 | 2 | 1 | 58.4 | 180 | | | | | | |
| 21 | 20:46 | SWO Xiphias gladius | 833 | A | 1 | 1 | | | | | | | | | So cabeça |
| 22 | 10:14 | SWO Xiphias gladius | 834 | A | 1 | 2 | 2 | 32.5 | 150 | | | | | | |
| 22 | 10:35 | SWO Xiphias gladius | 835 | A | 1 | 2 | 1 | 36.1 | 155 | | | | | | |
| 22 | 10:41 | SWO Xiphias gladius | 836 | A | 1 | 2 | 1 | 6.4 | 90 | | | | | | |
| 22 | 10:55 | SWO Xiphias gladius | 837 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 22 | 10:58 | SWO Xiphias gladius | 838 | A | 1 | 2 | 2 | 8.9 | 100 | | | | | | |
| 22 | 11:08 | SWO Xiphias gladius | 839 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 22 | 11:29 | SWO Xiphias gladius | 840 | A | 2 | 2 | 2 | 157.8 | 245 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

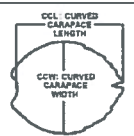
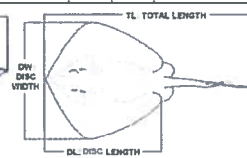
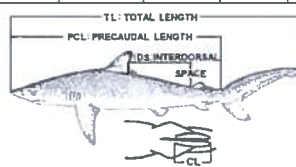
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 22 | 11:50 | SWO Xiphias gladius | 841 | A | 2 | 2 | 1 | 23.2 | 135 | | | | | | |
| 22 | 11:56 | SWO Xiphias gladius | 842 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 22 | 12:05 | BSH Prionace glauca | 843 | A | 1 | 2 | 2 | 19 | 200 | 160 | 46 | | | | |
| 22 | 12:20 | BSH Prionace glauca | 844 | A | 2 | 2 | 2 | 27.4 | 210 | 180 | 51 | | | | |
| 22 | 12:24 | ALV Alopias vulpinus | 845 | A | 2 | 5 | | | | | | | | | |
| 22 | 12:31 | SWO Xiphias gladius | 846 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 22 | 12:34 | SWO Xiphias gladius | 847 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 22 | 12:54 | BSH Prionace glauca | 848 | A | 2 | 2 | 2 | 23 | 220 | 170 | 47 | | | | |
| 22 | 13:20 | SWO Xiphias gladius | 849 | A | 3 | 2 | 2 | 82 | 200 | | | | | | |
| 22 | 13:25 | SWO Xiphias gladius | 850 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 22 | 13:38 | SWO Xiphias gladius | 851 | A | 2 | 2 | 2 | 128.7 | 230 | | | | | | |
| 22 | 14:00 | BSH Prionace glauca | 852 | A | 2 | 2 | 2 | 23 | 190 | 170 | 40 | | | | |
| 22 | 14:45 | SWO Xiphias gladius | 853 | A | 2 | 2 | 1 | 119.9 | 225 | | | | | | |
| 22 | 14:56 | SWO Xiphias gladius | 854 | A | 1 | 2 | 2 | 15.9 | 120 | | | | | | |
| 22 | 15:15 | SWO Xiphias gladius | 855 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 22 | 15:35 | SWO Xiphias gladius | 856 | A | 2 | 2 | 1 | 58.4 | 180 | | | | | | |
| 22 | 15:36 | SWO Xiphias gladius | 857 | A | 3 | 2 | 1 | 15.9 | 120 | | | | | | |
| 22 | 15:45 | SWO Xiphias gladius | 858 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 22 | 15:47 | SWO Xiphias gladius | 859 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 22 | 16:05 | SWO Xiphias gladius | 860 | A | 1 | 2 | 2 | 15.9 | 120 | | | | | | |
| 22 | 16:30 | SWO Xiphias gladius | 861 | A | 1 | 2 | 1 | 69.5 | 190 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

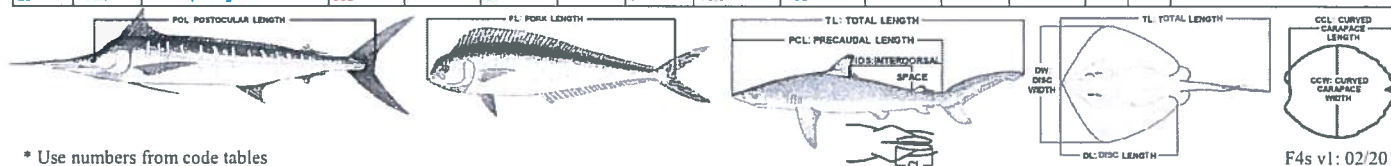
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 22 | 16:40 | SWO Xiphias gladius | 862 | A | 3 | 2 | 1 | 23.2 | 135 | | | | | | |
| 22 | 16:45 | SWO Xiphias gladius | 863 | A | 1 | 2 | 2 | 15.9 | 120 | | | | | | |
| 22 | 17:00 | SWO Xiphias gladius | 864 | A | 1 | 2 | 1 | 69.5 | 190 | | | | | | |
| 22 | 18:49 | SWO Xiphias gladius | 865 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 22 | 18:56 | SWO Xiphias gladius | 866 | A | 1 | 2 | 1 | 36.1 | 155 | | | | | | |
| 22 | 19:13 | SWO Xiphias gladius | 867 | A | 1 | 2 | 1 | 88.8 | 205 | | | | | | |
| 22 | 19:30 | BSH Prionace glauca | 868 | A | 2 | 2 | 2 | 32.4 | 220 | 190 | 49 | | | | |
| 22 | 19:43 | BSH Prionace glauca | 869 | A | 1 | 2 | 2 | 19 | 200 | 150 | 39 | | | | Ja trazia um anzol de outro aparelho |
| 22 | 19:50 | SWO Xiphias gladius | 870 | A | 1 | 2 | 2 | 75.6 | 195 | | | | | | |
| 23 | 12:17 | BSH Prionace glauca | 871 | A | 1 | 2 | 2 | 44.1 | 240 | 210 | 51 | | | | |
| 23 | 13:00 | BSH Prionace glauca | 872 | A | 2 | 2 | 2 | 19 | 190 | 150 | 47 | | | | |
| 23 | 13:34 | SWO Xiphias gladius | 873 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 23 | 13:51 | BSH Prionace glauca | 874 | A | 1 | 2 | 2 | 70.5 | 230 | 210 | 59 | | | | |
| 23 | 14:25 | SWO Xiphias gladius | 875 | A | 3 | 2 | 1 | 48.6 | 170 | | | | | | |
| 23 | 14:31 | LEC Lepidocybium flavobrunneum | 876 | A | 2 | 2 | 2 | 4.8 | 80 | | | | | | |
| 23 | 14:33 | SWO Xiphias gladius | 877 | A | 1 | 2 | 2 | 128.7 | 230 | | | | | | |
| 23 | 14:44 | BSH Prionace glauca | 878 | A | 1 | 2 | 1 | 27.4 | 230 | 180 | 49 | 19 | Y | N | |
| 23 | 14:58 | SWO Xiphias gladius | 879 | A | 1 | 2 | 2 | 58.4 | 180 | | | | | | |
| 23 | 15:20 | SWO Xiphias gladius | 880 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 23 | 15:40 | SWO Xiphias gladius | 881 | A | 1 | 2 | 1 | 63.8 | 185 | | | | | | |
| 23 | 16:25 | SWO Xiphias gladius | 882 | A | 2 | 2 | 1 | 75.6 | 195 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

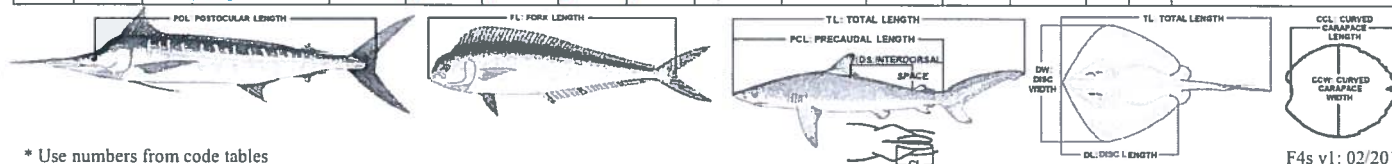
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 23 | 16:20 | SWO Xiphas gladius | 883 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 23 | 16:41 | BSH Prionace glauca | 884 | A | 2 | 2 | 1 | 37,9 | 240 | 200 | 49 | 20 | Y | N | |
| 23 | 16:45 | SWO Xiphas gladius | 885 | A | 3 | 2 | 1 | 8,9 | 100 | | | | | | |
| 23 | 17:20 | BSH Prionace glauca | 886 | A | 2 | 2 | 1 | 63,1 | 215 | | | | | | |
| 23 | 18:10 | SWO Xiphas gladius | 887 | A | 1 | 2 | 2 | 257,3 | 285 | | | | | | |
| 23 | 18:15 | SWO Xiphas gladius | 888 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 23 | 18:25 | SWO Xiphas gladius | 889 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 23 | 19:00 | SWO Xiphas gladius | 890 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 23 | 19:04 | SWO Xiphas gladius | 891 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 23 | 19:04 | SWO Xiphas gladius | 892 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 23 | 19:14 | SWO Xiphas gladius | 893 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 23 | 19:20 | SWO Xiphas gladius | 894 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 23 | 19:25 | BUM Makaira nigricans | 895 | A | 1 | 2 | 2 | 49,6 | 200 | | | | | | |
| 23 | 19:31 | SWO Xiphas gladius | 896 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 23 | 19:37 | SWO Xiphas gladius | 897 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 23 | 19:47 | SWO Xiphas gladius | 898 | A | 2 | 2 | 2 | 13,9 | 115 | | | | | | |
| 23 | 19:58 | BSH Prionace glauca | 899 | A | 1 | 2 | 2 | 29,8 | 210 | 185 | 45 | | | | |
| 23 | 20:18 | SWO Xiphas gladius | 900 | A | 1 | 2 | 1 | 6,4 | 90 | | | | | | |
| 23 | 20:25 | SWO Xiphas gladius | 901 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 23 | 20:36 | BSH Prionace glauca | 902 | A | 2 | 2 | 2 | 37,9 | 230 | 200 | 42 | | | | |
| 23 | 20:38 | SWO Xiphas gladius | 903 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

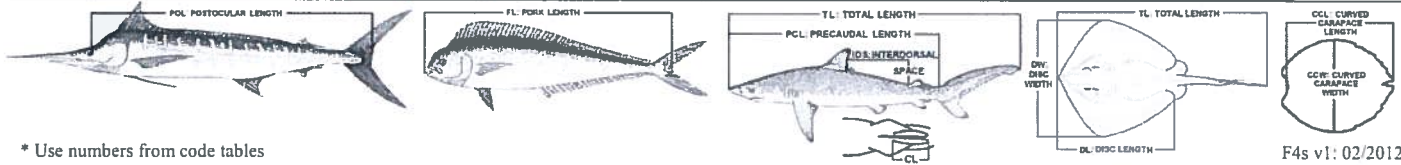
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 23 | 21:30 | SWO Xiphias gladius | 904 | A | 3 | 2 | 2 | 103,5 | 215 | | | | | | |
| 23 | 21:31 | SWO Xiphias gladius | 905 | A | 2 | 2 | 2 | 75,6 | 195 | | | | | | |
| 23 | 22:10 | SWO Xiphias gladius | 906 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 23 | 22:15 | BSH Prionace glauca | 907 | A | 1 | 2 | 2 | 27,4 | 210 | 180 | 43 | | | | |
| 24 | 10:15 | BSH Prionace glauca | 908 | A | 2 | 2 | 1 | 35,1 | 225 | 195 | 39 | 19 | Y | N | |
| 24 | 11:03 | BSH Prionace glauca | 909 | A | 2 | 2 | 2 | 29,8 | 215 | 185 | 47 | | | | |
| 24 | 11:15 | SSP Tetrapturus angustirostris | 910 | A | 2 | 5 | | | | | | | | | |
| 24 | 11:20 | SWO Xiphias gladius | 911 | A | 2 | 2 | 2 | 53,3 | 175 | | | | | | |
| 24 | 11:21 | BSH Prionace glauca | 912 | A | 2 | 2 | 2 | 32,4 | 230 | 190 | 49 | | | | |
| 24 | 11:55 | BSH Prionace glauca | 913 | A | 1 | 2 | 2 | 15,6 | 190 | 150 | 35 | | | | |
| 24 | 12:05 | SWO Xiphias gladius | 914 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 24 | 12:21 | SSP Tetrapturus angustirostris | 915 | A | 2 | 2 | 2 | 1 | 180 | | | | | | |
| 24 | 12:28 | SWO Xiphias gladius | 916 | A | 2 | 1 | 1 | 2,9 | 70 | | | | | | |
| 24 | 12:39 | SWO Xiphias gladius | 917 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 24 | 13:30 | BUM Makaira nigricans | 918 | A | 2 | 2 | 2 | 45,6 | 195 | | | | | | |
| 24 | 13:42 | SWO Xiphias gladius | 919 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 24 | 13:47 | BSH Prionace glauca | 920 | A | 1 | 2 | 2 | 23 | 210 | 170 | 46 | | | | |
| 24 | 13:55 | SWO Xiphias gladius | 921 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 24 | 14:25 | LEC Lepidocybium flavobrunneum | 922 | A | 1 | 2 | 2 | 2 | 60 | | | | | | |
| 24 | 15:04 | BSH Prionace glauca | 923 | A | 2 | 2 | 2 | 29,8 | 220 | 185 | 49 | | | | |
| 24 | 15:10 | LEC Lepidocybium flavobrunneum | 924 | A | 2 | 2 | 2 | 4,8 | 80 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

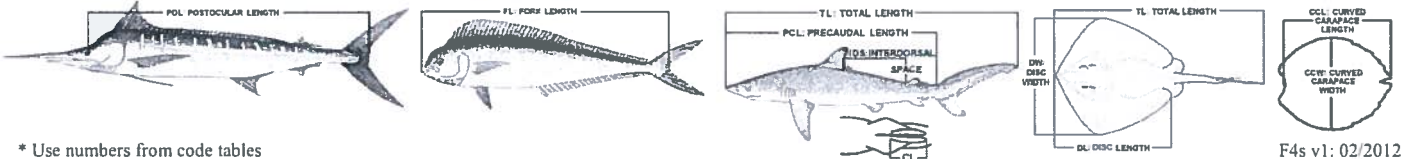
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|----------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 24 | 15:14 | BSH <i>Prionace glauca</i> | 925 | A | 2 | 2 | 2 | 96,1 | 300 | 270 | 62 | | | | |
| 24 | 15:35 | SWO <i>Xiphias gladius</i> | 926 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 24 | 15:44 | SPN <i>Sphyma spp</i> | 927 | A | 2 | 5 | | | | | | | | | |
| 24 | 15:49 | BSH <i>Prionace glauca</i> | 928 | A | 2 | 2 | 2 | 12,6 | 180 | 140 | 36 | | | | |
| 24 | 16:06 | BSH <i>Prionace glauca</i> | 929 | A | 1 | 2 | 2 | 23 | 210 | 170 | 46 | | | | |
| 24 | 16:10 | SWO <i>Xiphias gladius</i> | 930 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 24 | 16:20 | SWO <i>Xiphias gladius</i> | 931 | A | 3 | 2 | 1 | 44,2 | 165 | | | | | | |
| 24 | 16:40 | SWO <i>Xiphias gladius</i> | 932 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 24 | 16:45 | SWO <i>Xiphias gladius</i> | 933 | A | 1 | 3 | 1 | | | | | | | | So cabeça, comido por orca |
| 24 | 16:50 | BSH <i>Prionace glauca</i> | 934 | A | 2 | 2 | 2 | 15,6 | 180 | 150 | 36 | | | | |
| 24 | 16:58 | SWO <i>Xiphias gladius</i> | 935 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 24 | 17:04 | BSH <i>Prionace glauca</i> | 936 | A | 3 | 2 | 2 | 27,4 | 210 | 180 | 42 | | | | |
| 24 | 18:36 | SWO <i>Xiphias gladius</i> | 937 | A | 3 | 2 | 1 | 63,8 | 185 | | | | | | |
| 24 | 18:38 | SWO <i>Xiphias gladius</i> | 938 | A | 3 | 2 | 2 | 15,9 | 120 | | | | | | |
| 24 | 19:00 | SWO <i>Xiphias gladius</i> | 939 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 24 | 19:03 | SWO <i>Xiphias gladius</i> | 940 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 24 | 19:04 | BSH <i>Prionace glauca</i> | 941 | A | 2 | 2 | 2 | 23 | 200 | 170 | 44 | | | | |
| 24 | 19:16 | SWO <i>Xiphias gladius</i> | 942 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 24 | 19:25 | BSH <i>Prionace glauca</i> | 943 | A | 1 | 2 | 2 | 19 | 190 | 160 | 43 | | | | |
| 24 | 19:37 | SWO <i>Xiphias gladius</i> | 944 | A | 1 | 2 | 2 | 128,7 | 230 | | | | | | |
| 24 | 19:55 | LEC <i>Lepidocybium flavobrunneum</i> | 945 | A | 2 | 2 | 2 | 21,3 | 130 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

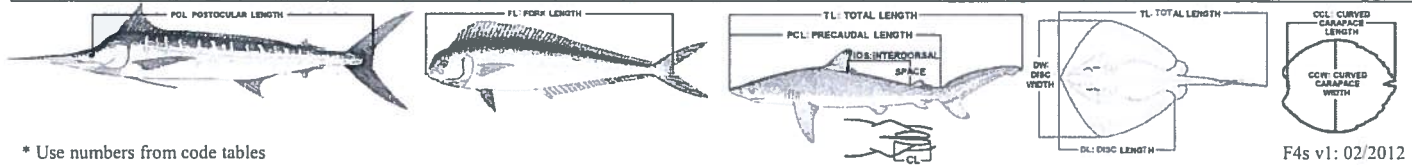
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 24 | 20:12 | BSH <i>Prionace glauca</i> | 946 | A | 1 | 2 | 2 | 44.1 | 260 | 210 | 50 | | | | |
| 24 | 20:28 | LEC <i>Lepidocybium flavobrunneum</i> | 947 | A | 1 | 2 | 2 | 21.3 | 130 | | | | | | |
| 25 | 10:54 | SWO <i>Xiphias gladius</i> | 948 | A | 1 | 2 | 2 | 36.1 | 155 | | | | | | |
| 25 | 11:00 | SWO <i>Xiphias gladius</i> | 949 | A | 1 | 2 | 2 | 32.5 | 150 | | | | | | |
| 25 | 12:13 | SWO <i>Xiphias gladius</i> | 950 | A | 2 | 2 | 2 | 58.4 | 180 | | | | | | |
| 25 | 12:28 | SWO <i>Xiphias gladius</i> | 951 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 25 | 12:42 | SWO <i>Xiphias gladius</i> | 952 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 25 | 12:49 | SWO <i>Xiphias gladius</i> | 953 | A | 2 | 2 | 1 | 58.4 | 180 | | | | | | |
| 25 | 13:00 | SWO <i>Xiphias gladius</i> | 954 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 25 | 13:18 | BSH <i>Prionace glauca</i> | 955 | A | 3 | 2 | 2 | 32.4 | 210 | 190 | 45 | | | | |
| 25 | 13:37 | SWO <i>Xiphias gladius</i> | 956 | A | 3 | 2 | 1 | 23.2 | 135 | | | | | | |
| 25 | 14:05 | SWO <i>Xiphias gladius</i> | 957 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 25 | 14:21 | SWO <i>Xiphias gladius</i> | 958 | A | 1 | 2 | 1 | 15.9 | 120 | | | | | | |
| 25 | 14:54 | BSH <i>Prionace glauca</i> | 959 | A | 1 | 2 | 2 | 50.9 | 260 | 220 | 53 | | | | |
| 25 | 15:28 | SWO <i>Xiphias gladius</i> | 960 | A | 1 | 2 | 1 | 29.2 | 145 | | | | | | |
| 25 | 15:40 | LEC <i>Lepidocybium flavobrunneum</i> | 961 | A | 1 | 2 | 2 | 4.8 | 80 | | | | | | |
| 25 | 15:52 | SWO <i>Xiphias gladius</i> | 962 | A | 1 | 2 | 2 | 20.6 | 130 | | | | | | |
| 25 | 16:03 | SWO <i>Xiphias gladius</i> | 963 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 25 | 16:15 | BSH <i>Prionace glauca</i> | 964 | A | 1 | 2 | 2 | 32.4 | 220 | 190 | 52 | | | | |
| 25 | 16:43 | BSH <i>Prionace glauca</i> | 965 | A | 2 | 2 | 1 | 50.9 | 250 | 220 | 62 | 21 | Y | N | |
| 25 | 16:54 | BSH <i>Prionace glauca</i> | 966 | A | 1 | 2 | 1 | 50.9 | 250 | 220 | 61 | 21 | Y | N | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | Observations | |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-------|--------------|--|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | C A L | | S E M E N |
| 25 | 17:09 | SWO Xiphias gladius | 967 | A | 1 | 3 | 2 | 10,4 | 105 | | | | | | Mordido na cauda |
| 25 | 17:15 | SWO Xiphias gladius | 968 | A | 2 | 2 | 2 | 32,5 | 150 | | | | | | |
| 25 | 17:20 | SWO Xiphias gladius | 969 | A | 1 | 2 | | 8,9 | 100 | | | | | | Não é possível ver o sexo porque a barriga foi mordida |
| 25 | 18:56 | BUM Makaira nigricans | 970 | A | 2 | 2 | 2 | 91 | 240 | | | | | | |
| 25 | 19:23 | BUM Makaira nigricans | 971 | A | 1 | 2 | 2 | 11 | 105 | | | | | | |
| 25 | 19:26 | SWO Xiphias gladius | 972 | A | 2 | 2 | 2 | 63,8 | 185 | | | | | | |
| 25 | 19:43 | BSH Prionace glauca | 973 | A | 1 | 2 | 2 | 27,4 | 210 | 180 | 43 | | | | |
| 25 | 19:45 | SWO Xiphias gladius | 974 | A | 2 | 2 | 1 | 69,5 | 190 | | | | | | |
| 25 | 19:50 | SWO Xiphias gladius | 975 | A | 2 | 2 | 1 | 69,5 | 190 | | | | | | |
| 25 | 20:28 | SWO Xiphias gladius | 976 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 25 | 20:38 | BSH Prionace glauca | 977 | A | 2 | 2 | 2 | 15,6 | 180 | 150 | 39 | | | | |
| 25 | 20:56 | BSH Prionace glauca | 978 | A | 1 | 2 | 1 | 37,9 | 240 | 200 | 53 | 22 | Y | N | |
| 25 | 21:08 | SWO Xiphias gladius | 979 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 25 | 21:15 | SWO Xiphias gladius | 980 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 25 | 21:21 | BUM Makaira nigricans | 981 | A | 2 | 2 | 2 | 23,6 | 160 | | | | | | |
| 26 | 11:18 | SWO Xiphias gladius | 982 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 26 | 11:23 | SWO Xiphias gladius | 983 | A | 2 | 2 | 2 | 48,6 | 170 | | | | | | |
| 26 | 11:37 | SWO Xiphias gladius | 984 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 26 | 11:45 | SWO Xiphias gladius | 985 | A | 2 | 2 | 2 | 20,6 | 210 | | | | | | |
| 26 | 12:04 | BSH Prionace glauca | 986 | A | 2 | 2 | 1 | 96 | 290 | 230 | 68 | 21 | Y | Y | |
| 26 | 12:09 | BSH Prionace glauca | 987 | A | 2 | 2 | 2 | 32,4 | 230 | 190 | 51 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

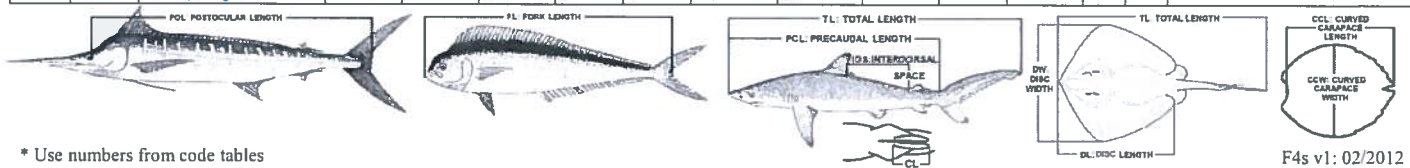
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|-----------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 26 | 12:14 | SWO Xiphas gladius | 988 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 26 | 12:25 | SWO Xiphas gladius | 989 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 26 | 12:50 | LEC Lepidocybium flavobrunneum | 990 | A | 2 | 1 | | | | | | | | | So cabeça |
| 26 | 13:10 | SWO Xiphas gladius | 991 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 26 | 13:37 | SWO Xiphas gladius | 992 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 26 | 13:48 | SWO Xiphas gladius | 993 | A | 2 | 2 | 1 | 17,9 | 100 | | | | | | |
| 26 | 13:55 | BET Thunnus obesus | 994 | A | 2 | 2 | 1 | 48,6 | 170 | | | | | | |
| 26 | 13:58 | SWO Xiphas gladius | 995 | A | 1 | 2 | 2 | 53,3 | 175 | | | | | | |
| 26 | 14:15 | SWO Xiphas gladius | 996 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 26 | 14:41 | SWO Xiphas gladius | 997 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 26 | 14:44 | BSH Prionace glauca | 998 | A | 2 | 2 | 2 | 27,4 | 210 | 190 | 47 | | | | |
| 26 | 15:03 | SWO Xiphas gladius | 999 | A | 2 | 2 | 1 | 29,2 | 145 | | | | | | |
| 26 | 15:26 | BSH Prionace glauca | 1000 | A | 1 | 2 | 2 | 27,4 | 210 | 190 | 44 | | | | |
| 26 | 15:32 | SMA Isurus oxyrinchus | 1001 | A | 1 | 2 | 2 | 52,4 | 210 | 190 | 59 | | | | |
| 26 | 15:35 | SWO Xiphas gladius | 1002 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 26 | 15:45 | SWO Xiphas gladius | 1003 | A | 2 | 2 | 2 | 32,5 | 150 | | | | | | |
| 26 | 15:45 | SWO Xiphas gladius | 1004 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 26 | 16:23 | BSH Prionace glauca | 1005 | A | 1 | 2 | 2 | 37,9 | 250 | 230 | 49 | | | | |
| 26 | 16:40 | SWO Xiphas gladius | 1006 | A | 1 | 3 | | | | | | | | | So cabeça, comido pela orca |
| 26 | 16:50 | SWO Xiphas gladius | 1007 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 26 | 16:52 | SWO Xiphas gladius | 1008 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

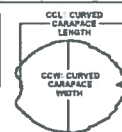
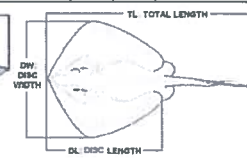
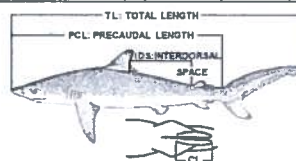
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|----------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 26 | 17:04 | SWO Xiphas gladius | 1009 | A | 1 | 2 | 2 | 44,2 | 165 | | | | | | |
| 26 | 17:15 | BSH Prionace glauca | 1010 | A | 1 | 2 | 2 | 23 | 190 | 170 | 40 | | | | |
| 26 | 18:52 | SWO Xiphas gladius | 1011 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 26 | 18:58 | SWO Xiphas gladius | 1012 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 26 | 18:30 | LEC Lepidocybium flavobrunneum | 1013 | A | 1 | 2 | 2 | 26,8 | 140 | | | | | | |
| 26 | 19:03 | BSH Prionace glauca | 1014 | A | 1 | 2 | 2 | 37,9 | 240 | 200 | 49 | | | | |
| 26 | 19:24 | LEC Lepidocybium flavobrunneum | 1015 | A | 1 | 2 | 2 | 18,9 | 125 | | | | | | |
| 26 | 19:25 | BSH Prionace glauca | 1016 | A | 1 | 2 | 2 | 44,1 | 250 | 210 | 58 | | | | |
| 26 | 19:36 | SWO Xiphas gladius | 1017 | A | 1 | 1 | 1 | | | | | | | | So cabeça comido pela orca |
| 26 | 19:56 | SWO Xiphas gladius | 1018 | A | 1 | 2 | 2 | 213,7 | 310 | | | | | | |
| 26 | 20:03 | LEC Lepidocybium flavobrunneum | 1019 | A | 1 | 2 | 2 | 16,6 | 120 | | | | | | |
| 26 | 20:10 | BSH Prionace glauca | 1020 | A | 1 | 2 | 2 | 19 | 200 | 160 | 41 | | | | |
| 26 | 20:20 | SWO Xiphas gladius | 1021 | A | 1 | 2 | 1 | 69,5 | 190 | | | | | | |
| 26 | 20:28 | BSH Prionace glauca | 1022 | A | 1 | 2 | 2 | 19 | 190 | 160 | 38 | | | | |
| 26 | 20:38 | SWO Xiphas gladius | 1023 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 26 | 20:43 | BSH Prionace glauca | 1024 | A | 2 | 1 | 1 | 37,9 | 260 | 200 | 54 | 20 | Y | N | |
| 26 | 20:54 | SWO Xiphas gladius | 1025 | A | 1 | 2 | 2 | 111,5 | 220 | | | | | | |
| 26 | 21:14 | BSH Prionace glauca | 1026 | A | 2 | 1 | 1 | 85,5 | 310 | 260 | 66 | 24 | Y | N | |
| 27 | 11:05 | BSH Prionace glauca | 1027 | A | 2 | 2 | 2 | 32,4 | 230 | 190 | 48 | | | | |
| 27 | 11:40 | BSH Prionace glauca | 1028 | A | 1 | 2 | 2 | 32,4 | 230 | 190 | 45 | | | | |
| 27 | 12:04 | BSH Prionace glauca | 1029 | A | 1 | 2 | 2 | 32,4 | 225 | 190 | 53 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

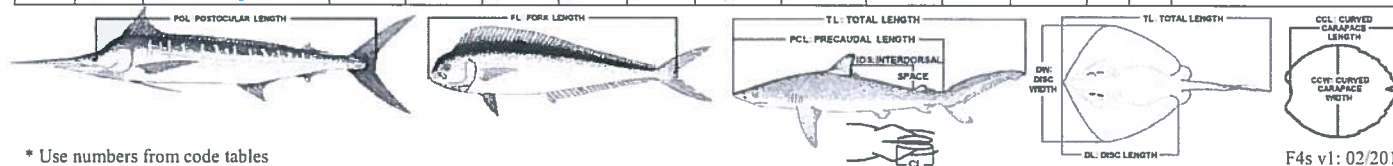
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 27 | 12:05 | SWO <i>Xiphias gladius</i> | 1030 | A | 1 | 2 | 2 | 15.9 | 120 | | | | | | |
| 27 | 12:12 | ALV <i>Alopias vulpinus</i> | 1031 | A | 2 | 5 | | | | | | | | | |
| 27 | 12:32 | BSH <i>Prionace glauca</i> | 1032 | A | 2 | 2 | 2 | 27.4 | 200 | 180 | 43 | | | | |
| 27 | 12:30 | POR <i>Lamna nasus</i> | 1033 | A | 1 | 5 | | | | | | | | | |
| 27 | 12:36 | SWO <i>Xiphias gladius</i> | 1034 | A | 2 | 2 | 1 | 15.9 | 120 | | | | | | |
| 27 | 12:44 | BSH <i>Prionace glauca</i> | 1035 | A | 2 | 2 | 2 | 29.8 | 215 | 185 | 49 | | | | |
| 27 | 12:54 | SWO <i>Xiphias gladius</i> | 1036 | A | 2 | 2 | 2 | 96 | 210 | | | | | | |
| 27 | 13:05 | SWO <i>Xiphias gladius</i> | 1037 | A | 1 | 2 | 2 | 58.4 | 180 | | | | | | |
| 27 | 13:18 | WAH <i>Acanthocybium solandri</i> | 1038 | A | 2 | 2 | 2 | 3.9 | 90 | | | | | | |
| 27 | 13:22 | BSH <i>Prionace glauca</i> | 1039 | A | 1 | 2 | 2 | 32.4 | 240 | 190 | 47 | | | | |
| 27 | 13:45 | LEC <i>Lepidocybium flavobrunneum</i> | 1040 | A | 2 | 2 | 2 | 21.3 | 130 | | | | | | |
| 27 | 13:52 | SWO <i>Xiphias gladius</i> | 1041 | A | 1 | 2 | 1 | 18.1 | 125 | | | | | | |
| 27 | 14:05 | SWO <i>Xiphias gladius</i> | 1042 | A | 1 | 2 | 1 | 26.1 | 140 | | | | | | |
| 27 | 14:16 | SWO <i>Xiphias gladius</i> | 1043 | A | 1 | 2 | 1 | 20.6 | 130 | | | | | | |
| 27 | 14:24 | SWO <i>Xiphias gladius</i> | 1044 | A | 2 | 2 | 2 | 12.1 | 110 | | | | | | |
| 27 | 14:29 | BSH <i>Prionace glauca</i> | 1045 | A | 1 | 2 | 1 | 50.9 | 270 | 220 | 60 | 20 | Y | N | |
| 27 | 14:35 | SWO <i>Xiphias gladius</i> | 1046 | A | 2 | 2 | 1 | 32.5 | 150 | | | | | | |
| 27 | 14:56 | SWO <i>Xiphias gladius</i> | 1047 | A | 1 | 2 | 2 | 26.1 | 140 | | | | | | |
| 27 | 15:37 | BSH <i>Prionace glauca</i> | 1048 | A | 2 | 2 | 2 | 19 | 190 | 160 | 39 | | | | |
| 27 | 15:50 | SWO <i>Xiphias gladius</i> | 1049 | A | 3 | 2 | 1 | 15.9 | 120 | | | | | | |
| 27 | 18:00 | BUM <i>Makaira nigricans</i> | 1050 | A | 3 | 2 | 2 | 225.4 | 315 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

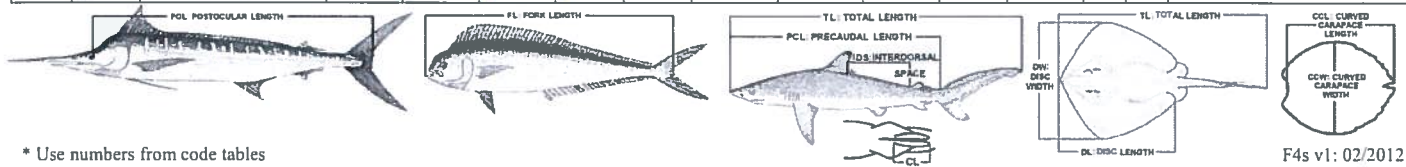
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 27 | 19:10 | ALV <i>Alopias vulpinus</i> | 1051 | A | 3 | 5 | | | | | | | | | |
| 27 | 21:00 | SWO <i>Xiphias gladius</i> | 1052 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 27 | 21:26 | SWO <i>Xiphias gladius</i> | 1053 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 27 | 22:00 | SWO <i>Xiphias gladius</i> | 1054 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 27 | 22:10 | BUM <i>Makaira nigricans</i> | 1055 | A | 2 | 2 | 1 | 28,9 | 170 | | | | | | |
| 27 | 22:24 | SWO <i>Xiphias gladius</i> | 1056 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 27 | 22:30 | SWO <i>Xiphias gladius</i> | 1057 | A | 1 | 2 | 1 | 48,6 | 170 | | | | | | |
| 27 | 22:48 | SWO <i>Xiphias gladius</i> | 1058 | A | 2 | 2 | 2 | 69,5 | 190 | | | | | | |
| 27 | 22:54 | SWO <i>Xiphias gladius</i> | 1059 | A | 1 | 2 | 2 | 23,2 | 135 | | | | | | |
| 27 | 23:45 | SWO <i>Xiphias gladius</i> | 1060 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 27 | 0:03 | SWO <i>Xiphias gladius</i> | 1061 | A | 1 | 1 | | | | | | | | | estava podre, e apresentava mordidas de queixa |
| 27 | 0:23 | BSH <i>Prionace glauca</i> | 1062 | A | 1 | 2 | 1 | 75,7 | 300 | 250 | 61 | 21 | Y | N | trazia anzol de outro aparelho |
| 27 | 0:28 | SWO <i>Xiphias gladius</i> | 1063 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 27 | 0:45 | BSH <i>Prionace glauca</i> | 1064 | A | 2 | 2 | 2 | 27,4 | 210 | 180 | 40 | | | | |
| 27 | 0:55 | BSH <i>Prionace glauca</i> | 1065 | A | 1 | 2 | 2 | 27,4 | 210 | 180 | 40 | | | | |
| 27 | 1:12 | SWO <i>Xiphias gladius</i> | 1066 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 27 | 8:38 | BSH <i>Prionace glauca</i> | 1067 | A | 1 | 2 | 1 | 44,1 | 260 | 210 | 60 | 20 | Y | Y | |
| 27 | 8:45 | BSH <i>Prionace glauca</i> | 1068 | A | 1 | 2 | 1 | 37,9 | 250 | 200 | 56 | 19 | Y | N | |
| 28 | 8:51 | SWO <i>Xiphias gladius</i> | 1069 | A | 2 | 2 | 2 | 103,5 | 215 | | | | | | |
| 28 | 9:04 | BSH <i>Prionace glauca</i> | 1070 | A | 1 | 2 | 2 | 44,1 | 260 | 210 | 59 | | | | |
| 28 | 9:10 | BSH <i>Prionace glauca</i> | 1071 | A | 1 | 2 | 2 | 23 | 210 | 170 | 49 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

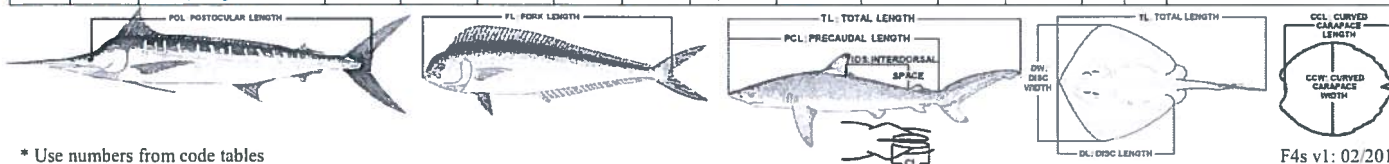
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|---|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 28 | 9:33 | SWO Xiphias gladius | 1072 | A | 2 | 2 | 2 | 10,4 | 105 | | | | | | |
| 28 | 9:34 | BSH Prionace glauca | 1073 | A | 1 | 2 | 1 | 44,1 | 250 | 210 | 53 | 19 | Y | N | |
| 28 | 9:45 | SWO Xiphias gladius | 1074 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 28 | 10:03 | SWO Xiphias gladius | 1075 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 28 | 10:06 | SWO Xiphias gladius | 1076 | A | 1 | 2 | 1 | 69,5 | 190 | | | | | | |
| 28 | 10:10 | BSH Prionace glauca | 1077 | A | 2 | 2 | 1 | 50,9 | 270 | 220 | 69 | 22 | Y | N | |
| 28 | 10:14 | SWO Xiphias gladius | 1078 | A | 1 | 2 | 2 | 29,2 | 145 | | | | | | |
| 28 | 10:18 | SWO Xiphias gladius | 1079 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 28 | 11:28 | SWO Xiphias gladius | 1080 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 28 | 11:32 | SWO Xiphias gladius | 1081 | A | 2 | 2 | 2 | 23,2 | 135 | | | | | | |
| 28 | 11:35 | SWO Xiphias gladius | 1082 | A | 2 | 2 | 1 | 48,6 | 170 | | | | | | |
| 28 | 11:50 | SWO Xiphias gladius | 1083 | A | 2 | 2 | 2 | 23,2 | 135 | | | | | | |
| 28 | 12:05 | SWO Xiphias gladius | 1084 | A | 1 | 2 | 1 | 63,8 | 185 | | | | | | |
| 28 | 12:34 | SWO Xiphias gladius | 1085 | A | 1 | 2 | 1 | 48,6 | 170 | | | | | | |
| 28 | 12:53 | SWO Xiphias gladius | 1086 | A | 3 | 3 | | | | | | | | | So cabeça. comido pela orca |
| 28 | 13:16 | SWO Xiphias gladius | 1087 | A | 3 | 2 | 2 | 40 | 160 | | | | | | |
| 28 | 13:36 | SWO Xiphias gladius | 1088 | A | 1 | 2 | | 6,4 | 90 | | | | | | mordido na cauda pela orca, nao e possivel verificar o sexo |
| 28 | 14:05 | BSH Prionace glauca | 1089 | A | 2 | 2 | 1 | 44,1 | 250 | 210 | 50 | 21 | Y | N | |
| 28 | 14:09 | BSH Prionace glauca | 1090 | A | 2 | 2 | 2 | 37,9 | 250 | 200 | 45 | | | | |
| 28 | 15:00 | SWO Xiphias gladius | 1091 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 28 | 15:10 | SWO Xiphias gladius | 1092 | A | 1 | 2 | 1 | 103,5 | 215 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

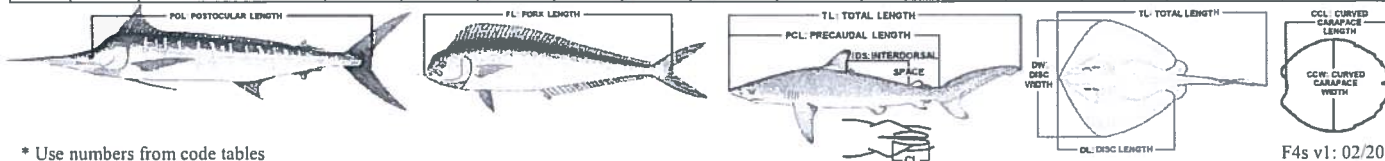
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 28 | 15:15 | SWO Xiphas gladius | 1093 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 28 | 15:21 | SWO Xiphas gladius | 1094 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 28 | 15:35 | SWO Xiphas gladius | 1095 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 28 | 15:46 | BSH Prionace glauca | 1096 | A | 2 | 2 | 2 | 19 | 195 | 160 | 42 | | | | |
| 28 | 15:41 | BSH Prionace glauca | 1097 | A | 1 | 2 | 2 | 23 | 200 | 170 | 40 | | | | |
| 28 | 15:56 | BSH Prionace glauca | 1098 | A | 1 | 2 | 2 | 12,6 | 160 | 140 | 34 | | | | |
| 28 | 16:04 | SWO Xiphas gladius | 1099 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 28 | 16:07 | BSH Prionace glauca | 1100 | A | 1 | 2 | 2 | 27,4 | 230 | 180 | 49 | | | | |
| 28 | 16:15 | SWO Xiphas gladius | 1101 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 28 | 16:24 | BSH Prionace glauca | 1102 | A | 2 | 2 | 1 | 50,9 | 270 | 220 | 63 | 22 | Y | N | |
| 28 | 16:42 | SWO Xiphas gladius | 1103 | A | 3 | 2 | 1 | 20,6 | 130 | | | | | | |
| 28 | 16:47 | SWO Xiphas gladius | 1104 | A | 1 | 2 | 2 | 23,2 | 135 | | | | | | |
| 28 | 16:58 | ALV Alopias vulpinus | 1105 | A | 3 | 5 | 2 | | | | | | | | |
| 28 | 17:00 | SWO Xiphas gladius | 1106 | A | 2 | | 2 | 44,2 | 165 | | | | | | |
| 28 | 17:05 | WAH Acanthocybium solandri | 1107 | A | 2 | 3 | 2 | 8,8 | 120 | | | | | | |
| 28 | 17:09 | SSP Tetrapurus angustirostris | 1108 | A | 2 | 2 | 2 | | 130 | | | | | | |
| 28 | 17:20 | SWO Xiphas gladius | 1109 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 28 | 17:25 | SWO Xiphas gladius | 1110 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |
| 28 | 17:28 | SWO Xiphas gladius | 1111 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 28 | 17:40 | SWO Xiphas gladius | 1112 | A | 1 | 1 | 2 | 12,1 | 110 | | | | | | |
| 28 | 17:50 | SWO Xiphas gladius | 1113 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

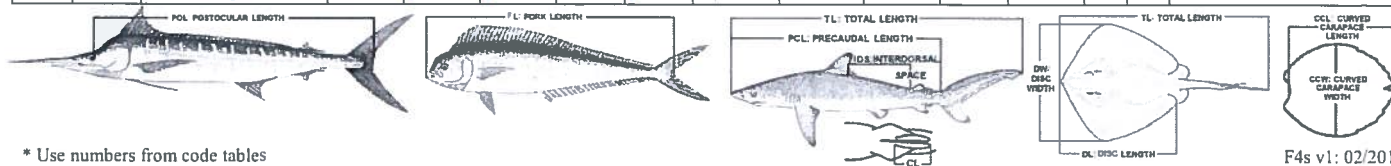
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 28 | 17:52 | BSH <i>Prionace glauca</i> | 1114 | A | 2 | 2 | 2 | 23 | 200 | 170 | 42 | | | | |
| 28 | 18:10 | SWO <i>Xiphas gladius</i> | 1115 | A | 2 | 2 | 2 | 137,9 | 235 | | | | | | |
| 28 | 18:20 | SWO <i>Xiphas gladius</i> | 1116 | A | 2 | 2 | 2 | 32,5 | 150 | | | | | | |
| 28 | 18:53 | BSH <i>Prionace glauca</i> | 1117 | A | 2 | 2 | 2 | 27,4 | 220 | 180 | 43 | | | | |
| 28 | 19:05 | BSH <i>Prionace glauca</i> | 1118 | A | 2 | 2 | 2 | 20,9 | 195 | 165 | 38 | | | | |
| 28 | 19:26 | SWO <i>Xiphas gladius</i> | 1119 | A | 1 | 2 | 2 | 23,2 | 135 | | | | | | |
| 29 | 12:00 | SWO <i>Xiphas gladius</i> | 1120 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 29 | 13:00 | BSH <i>Prionace glauca</i> | 1121 | A | 2 | 2 | 2 | 32,4 | 230 | 190 | 52 | | | | |
| 29 | 13:34 | BSH <i>Prionace glauca</i> | 1122 | A | 1 | 2 | 2 | 37,9 | 240 | 200 | 54 | | | | |
| 29 | 13:51 | SWO <i>Xiphas gladius</i> | 1123 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 29 | 14:25 | SWO <i>Xiphas gladius</i> | 1124 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 29 | 14:32 | SWO <i>Xiphas gladius</i> | 1125 | A | 1 | 2 | 2 | 63,8 | 185 | | | | | | |
| 29 | 15:00 | BET <i>Thunnus obesus</i> | 1126 | A | 1 | 2 | 1 | 38,4 | 130 | | | | | | |
| 29 | 15:44 | SWO <i>Xiphas gladius</i> | 1127 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 29 | 15:53 | SWO <i>Xiphas gladius</i> | 1128 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 29 | 16:12 | BSH <i>Prionace glauca</i> | 1129 | A | 1 | 2 | 1 | 32,4 | 230 | 190 | 52 | 18 | Y | N | |
| 29 | 16:41 | SWO <i>Xiphas gladius</i> | 1130 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 29 | 17:01 | SWO <i>Xiphas gladius</i> | 1131 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 29 | 17:10 | SWO <i>Xiphas gladius</i> | 1132 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 29 | 17:13 | SWO <i>Xiphas gladius</i> | 1133 | A | 2 | 2 | 1 | 58,4 | 180 | | | | | | |
| 29 | 17:50 | BSH <i>Prionace glauca</i> | 1134 | A | 2 | 2 | 2 | 32,4 | 230 | 190 | 52 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 29 | 18:48 | BSH <i>Prionace glauca</i> | 1135 | A | 1 | 2 | 2 | 32,4 | 225 | 190 | 45 | | | | |
| 29 | 19:00 | SWO <i>Xiphias gladius</i> | 1136 | A | 2 | 2 | 1 | 111,5 | 220 | | | | | | |
| 29 | 19:49 | SWO <i>Xiphias gladius</i> | 1137 | A | 1 | 2 | 1 | 5,3 | 85 | | | | | | |
| 29 | 20:13 | BSH <i>Prionace glauca</i> | 1138 | A | 1 | 2 | 2 | 23 | 195 | 170 | 41 | | | | |
| 29 | 20:25 | SWO <i>Xiphias gladius</i> | 1139 | A | 2 | 2 | 2 | 25,1 | 140 | | | | | | |
| 29 | 20:48 | SWO <i>Xiphias gladius</i> | 1140 | A | 1 | 2 | 2 | 18,1 | 125 | | | | | | |
| 29 | 20:56 | BSH <i>Prionace glauca</i> | 1141 | A | 2 | 2 | 2 | 25,1 | 200 | 175 | 45 | | | | |
| 29 | 21:15 | SWO <i>Xiphias gladius</i> | 1142 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 29 | 21:33 | SWO <i>Xiphias gladius</i> | 1143 | A | 2 | 2 | 2 | 36,1 | 155 | | | | | | |
| 29 | 22:30 | SWO <i>Xiphias gladius</i> | 1144 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 29 | 23:15 | SWO <i>Xiphias gladius</i> | 1145 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 29 | 23:20 | ALV <i>Alopias vulpinus</i> | 1146 | A | 2 | 5 | | | | | | | | | |
| 29 | 23:43 | BSH <i>Prionace glauca</i> | 1147 | A | 2 | 2 | 2 | 14,1 | 165 | 145 | 38 | | | | |
| 29 | 0:05 | BSH <i>Prionace glauca</i> | 1148 | A | 2 | 2 | 2 | 29,8 | 230 | 185 | 44 | | | | |
| 29 | 1:23 | SWO <i>Xiphias gladius</i> | 1149 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 29 | 1:30 | BSH <i>Prionace glauca</i> | 1150 | A | 2 | 2 | 1 | 37,9 | 250 | 200 | 46 | 20 | Y | N | |
| 29 | 1:44 | BSH <i>Prionace glauca</i> | 1151 | A | 2 | 2 | 2 | 23 | 210 | 170 | 40 | | | | |
| 29 | 2:10 | BSH <i>Prionace glauca</i> | 1152 | A | 2 | 2 | 1 | 32,4 | 230 | 190 | 48 | 19 | Y | N | |
| 29 | 2:26 | BUM <i>Makaira nigricans</i> | 1153 | A | 2 | 2 | 1 | 63,1 | 215 | | | | | | |
| 29 | 2:38 | SWO <i>Xiphias gladius</i> | 1154 | A | 2 | 2 | 1 | 23,2 | 135 | | | | | | |
| 29 | 2:46 | BSH <i>Prionace glauca</i> | 1155 | A | 2 | 2 | 1 | 37,9 | 250 | 200 | 51 | 21 | Y | N | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

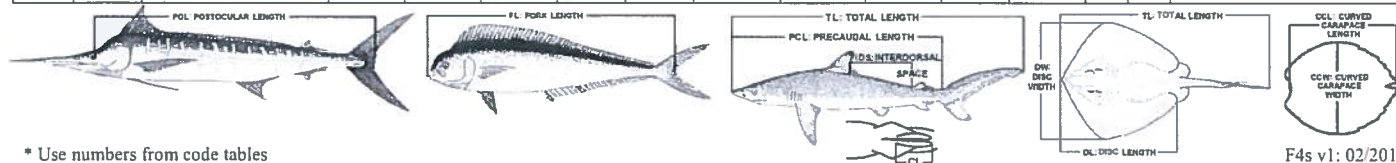
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 29 | 3:37 | SWO Xiphias gladius | 1156 | A | 2 | 2 | 2 | 111,5 | 220 | | | | | | |
| 29 | 3:55 | Genero : Aphanopus | 1157 | A | 2 | 1 | | | | | | | | | |
| 29 | 4:24 | BSH Prionace glauca | 1158 | A | 2 | 2 | 2 | 32,4 | 210 | 190 | 49 | | | | |
| 29 | 4:32 | SWO Xiphias gladius | 1159 | A | 2 | 2 | 1 | 168,4 | 250 | | | | | | |
| 29 | 6:09 | SWO Xiphias gladius | 1160 | A | 1 | 2 | 1 | 48,6 | 170 | | | | | | |
| 29 | 6:24 | BSH Prionace glauca | 1161 | A | 2 | 2 | 2 | 27,4 | 215 | 180 | 44 | | | | |
| 29 | 6:26 | BSH Prionace glauca | 1162 | A | 1 | 2 | 1 | 37,9 | 240 | 200 | 52 | 19 | Y | N | |
| 30 | 9:35 | BSH Prionace glauca | 1163 | A | 1 | 2 | 2 | 27,4 | 230 | 180 | 49 | | | | |
| 30 | 9:55 | BSH Prionace glauca | 1164 | A | 3 | 2 | 2 | 15,6 | 190 | 150 | 37 | | | | |
| 30 | 10:12 | BSH Prionace glauca | 1165 | A | 2 | 2 | 1 | 32,4 | 235 | 190 | 53 | 19 | Y | N | |
| 30 | 10:16 | SWO Xiphias gladius | 1166 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 30 | 10:25 | SWO Xiphias gladius | 1167 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 30 | 10:53 | BSH Prionace glauca | 1168 | A | 2 | 2 | 2 | 27,4 | 220 | 180 | 44 | | | | |
| 30 | 11:12 | BSH Prionace glauca | 1169 | A | 1 | 2 | 1 | 32,4 | 240 | 190 | 48 | 21 | Y | N | |
| 30 | 11:26 | BSH Prionace glauca | 1170 | A | 2 | 2 | 2 | 19 | 205 | 160 | 40 | | | | |
| 30 | 11:43 | SWO Xiphias gladius | 1171 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 30 | 11:44 | SWO Xiphias gladius | 1172 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 30 | 11:51 | SWO Xiphias gladius | 1173 | A | 2 | 2 | 2 | 69,5 | 190 | | | | | | |
| 30 | 11:55 | SWO Xiphias gladius | 1174 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 12:00 | SWO Xiphias gladius | 1175 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 30 | 12:06 | SWO Xiphias gladius | 1176 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

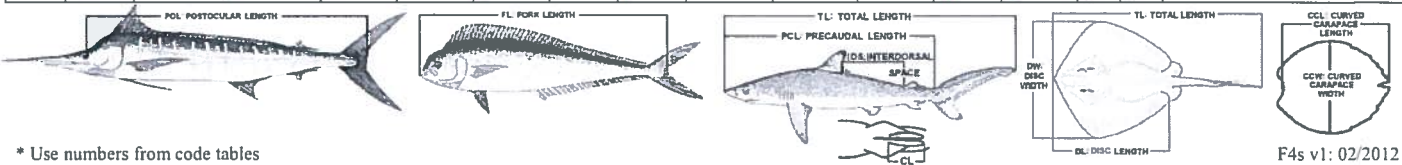
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | Observations | |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|--------------|-----------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | | S E M E N |
| 30 | 12:38 | SWO Xiphias gladius | 1177 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 30 | 12:41 | SWO Xiphias gladius | 1178 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 30 | 13:00 | SWO Xiphias gladius | 1179 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 13:22 | BSH Prionace glauca | 1180 | A | 1 | 2 | 2 | 19 | 190 | 160 | 46 | | | | |
| 30 | 13:40 | SWO Xiphias gladius | 1181 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 13:45 | SWO Xiphias gladius | 1182 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 30 | 14:00 | SWO Xiphias gladius | 1183 | A | 1 | 2 | 2 | 75,6 | 195 | | | | | | |
| 30 | 14:20 | SWO Xiphias gladius | 1184 | A | 1 | 2 | 2 | 8,9 | 100 | | | | | | |
| 30 | 14:21 | SWO Xiphias gladius | 1185 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 14:28 | SWO Xiphias gladius | 1186 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 14:34 | SWO Xiphias gladius | 1187 | A | 1 | 2 | 2 | 128,7 | 230 | | | | | | |
| 30 | 14:46 | SWO Xiphias gladius | 1188 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 30 | 14:48 | BSH Prionace glauca | 1189 | A | 2 | 2 | 1 | 37,9 | 250 | 200 | 51 | 20 | Y | N | |
| 30 | 14:51 | SWO Xiphias gladius | 1190 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 30 | 14:53 | SWO Xiphias gladius | 1191 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 30 | 15:09 | BUM Makaira nigricans | 1192 | A | 2 | 2 | 2 | 41,8 | 190 | | | | | | |
| 30 | 15:17 | SWO Xiphias gladius | 1193 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 30 | 15:36 | SWO Xiphias gladius | 1194 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 30 | 16:08 | SWO Xiphias gladius | 1195 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 30 | 16:21 | SWO Xiphias gladius | 1196 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 16:55 | BSH Prionace glauca | 1197 | A | 2 | 2 | 1 | 58,5 | 290 | 230 | 62 | 21 | Y | N | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

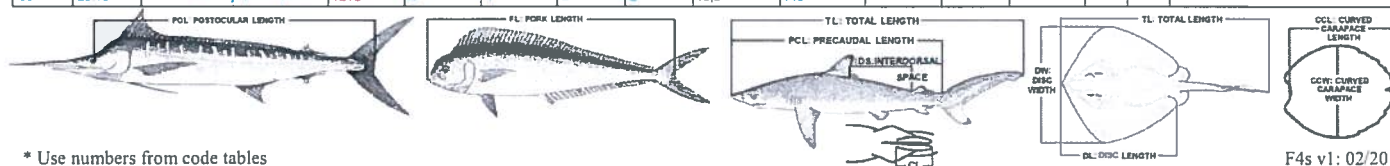
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E N E N | |
| 30 | 17:06 | SWO Xiphias gladius | 1198 | A | 1 | 2 | 2 | 63,8 | 185 | | | | | | |
| 30 | 17:09 | SWO Xiphias gladius | 1199 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 17:10 | SWO Xiphias gladius | 1200 | A | 3 | 2 | 2 | 20,6 | 130 | | | | | | |
| 30 | 17:15 | WAH Acanthocybium solandri | 1201 | A | 2 | 3 | 2 | 8,8 | 120 | | | | | | |
| 30 | 17:21 | SWO Xiphias gladius | 1202 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 30 | 17:50 | SWO Xiphias gladius | 1203 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 30 | 17:53 | SWO Xiphias gladius | 1204 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 30 | 18:00 | SWO Xiphias gladius | 1205 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |
| 30 | 18:34 | BSH Prionace glauca | 1206 | A | 1 | 2 | 2 | 19 | 195 | 160 | 41 | | | | |
| 30 | 18:35 | SWO Xiphias gladius | 1207 | A | 1 | 2 | 2 | 53,3 | 175 | | | | | | |
| 30 | 18:44 | SWO Xiphias gladius | 1208 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 30 | 18:52 | SWO Xiphias gladius | 1209 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 30 | 19:00 | SWO Xiphias gladius | 1210 | A | 1 | 2 | 2 | 44,2 | 165 | | | | | | |
| 30 | 19:10 | SWO Xiphias gladius | 1211 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 30 | 19:14 | SWO Xiphias gladius | 1212 | A | 1 | 2 | 2 | 88,8 | 205 | | | | | | |
| 30 | 19:24 | SWO Xiphias gladius | 1213 | A | 1 | 2 | 2 | 29,2 | 145 | | | | | | |
| 30 | 19:30 | SWO Xiphias gladius | 1214 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 30 | 19:45 | SWO Xiphias gladius | 1215 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 30 | 19:50 | SWO Xiphias gladius | 1216 | A | 1 | 2 | 2 | 18,1 | 125 | | | | | | |
| 30 | 20:07 | SWO Xiphias gladius | 1217 | A | 1 | 2 | 2 | 25,1 | 140 | | | | | | |
| 30 | 20:15 | WAH Acanthocybium solandri | 1218 | A | 1 | 2 | 2 | 13,5 | 140 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

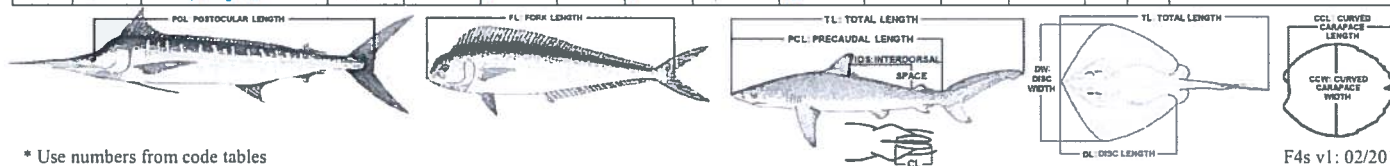
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 30 | 20:42 | BSH <i>Prionace glauca</i> | 1219 | A | 2 | 2 | 2 | 44,1 | 260 | 210 | 53 | | | | |
| 30 | 20:47 | SWO <i>Xiphias gladius</i> | 1220 | A | 1 | 2 | 2 | 119,9 | 225 | | | | | | |
| 30 | 20:55 | SWO <i>Xiphias gladius</i> | 1221 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 30 | 21:06 | SWO <i>Xiphias gladius</i> | 1222 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 30 | 21:18 | SWO <i>Xiphias gladius</i> | 1223 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 30 | 21:30 | SWO <i>Xiphias gladius</i> | 1224 | A | 1 | 2 | 2 | 63,8 | 185 | | | | | | |
| 30 | 21:38 | SWO <i>Xiphias gladius</i> | 1225 | A | 3 | 2 | 2 | 82 | 200 | | | | | | |
| 30 | 21:50 | <i>Diplurus flavirostris</i> | 1226 | A | 3 | 5 | | | | | | | | | |
| 30 | 22:00 | SWO <i>Xiphias gladius</i> | 1227 | A | 3 | 2 | 2 | 96 | 210 | | | | | | |
| 31 | 10:13 | BSH <i>Prionace glauca</i> | 1228 | A | 1 | 2 | 2 | 15,6 | 175 | 150 | 38 | | | | |
| 31 | 10:30 | SWO <i>Xiphias gladius</i> | 1229 | A | 2 | 2 | 2 | 119,9 | 225 | | | | | | |
| 31 | 10:41 | SWO <i>Xiphias gladius</i> | 1230 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 31 | 10:53 | SWO <i>Xiphias gladius</i> | 1231 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 31 | 10:56 | SWO <i>Xiphias gladius</i> | 1232 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 31 | 11:07 | SWO <i>Xiphias gladius</i> | 1233 | A | 1 | 2 | 2 | 29,2 | 145 | | | | | | |
| 31 | 11:25 | SWO <i>Xiphias gladius</i> | 1234 | A | 3 | 2 | 2 | 13,9 | 115 | | | | | | |
| 31 | 11:43 | SWO <i>Xiphias gladius</i> | 1235 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 31 | 11:47 | SWO <i>Xiphias gladius</i> | 1236 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 31 | 12:09 | SWO <i>Xiphias gladius</i> | 1237 | A | 2 | 2 | 2 | 20,6 | 130 | | | | | | |
| 31 | 12:15 | SPN <i>Sphyma spp</i> | 1238 | A | 2 | 5 | | | | | | | | | |
| 31 | 12:51 | SWO <i>Xiphias gladius</i> | 1239 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

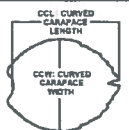
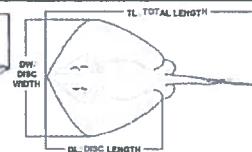
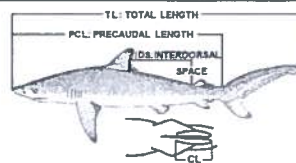
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 31 | 13:15 | SWO Xiphias gladius | 1240 | A | 2 | 2 | 2 | 63,8 | 185 | | | | | | |
| 31 | 13:41 | SWO Xiphias gladius | 1241 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 31 | 13:58 | SWO Xiphias gladius | 1242 | A | 2 | 2 | 2 | 168,4 | 250 | | | | | | |
| 31 | 13:59 | BSH Prionace glauca | 1243 | A | 1 | 2 | 2 | 32,4 | 240 | 190 | 45 | | | | |
| 31 | 14:04 | SWO Xiphias gladius | 1244 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 31 | 14:09 | SWO Xiphias gladius | 1245 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 31 | 14:30 | SWO Xiphias gladius | 1246 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 31 | 14:39 | SWO Xiphias gladius | 1247 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 31 | 14:45 | SWO Xiphias gladius | 1248 | A | 2 | 2 | 2 | 12,1 | 110 | | | | | | |
| 31 | 15:03 | BSH Prionace glauca | 1249 | A | 3 | 2 | 2 | 25,1 | 210 | 175 | 44 | | | | |
| 31 | 15:11 | SWO Xiphias gladius | 1250 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 31 | 15:20 | SWO Xiphias gladius | 1251 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 31 | 15:21 | SWO Xiphias gladius | 1252 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 31 | 15:28 | SWO Xiphias gladius | 1253 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 31 | 15:38 | SSP Tetrapturus angustirostris | 1254 | A | 1 | 5 | | | | | | | | | |
| 31 | 16:08 | SWO Xiphias gladius | 1255 | A | 2 | 2 | 2 | 29,2 | 145 | | | | | | |
| 31 | 16:14 | SWO Xiphias gladius | 1256 | A | 2 | 2 | 1 | 10,4 | 105 | | | | | | |
| 31 | 16:17 | BSH Prionace glauca | 1257 | A | 1 | 2 | 2 | 19 | 190 | 160 | 42 | | | | |
| 31 | 16:30 | SWO Xiphias gladius | 1258 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 31 | 16:38 | SWO Xiphias gladius | 1259 | A | 2 | 2 | 2 | 82 | 200 | | | | | | |
| 31 | 16:47 | SWO Xiphias gladius | 1260 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

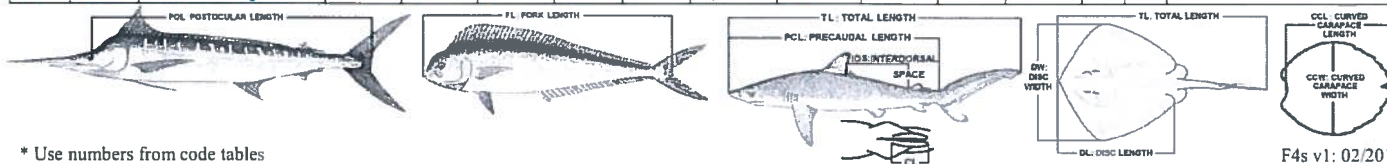
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 31 | 16:52 | BET Thunnus obesus | 1261 | A | 2 | 2 | 2 | 38,4 | 130 | | | | | | |
| 31 | 17:05 | SWO Xiphias gladius | 1262 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |
| 31 | 17:08 | SWO Xiphias gladius | 1263 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 31 | 17:12 | SWO Xiphias gladius | 1264 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 31 | 17:20 | BSH Prionace glauca | 1265 | A | 1 | 2 | 2 | 27,4 | 210 | 180 | 45 | | | | |
| 31 | 17:28 | SWO Xiphias gladius | 1266 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 31 | 17:35 | BSH Prionace glauca | 1267 | A | 2 | 2 | 2 | 32,4 | 240 | 190 | 48 | | | | |
| 31 | 17:38 | BSH Prionace glauca | 1268 | A | 2 | 2 | 2 | 15,6 | 180 | 150 | 36 | | | | |
| 31 | 17:40 | BSH Prionace glauca | 1269 | A | 2 | 2 | 2 | 37,9 | 240 | 200 | 52 | | | | |
| 31 | 17:48 | SWO Xiphias gladius | 1270 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 31 | 17:55 | SWO Xiphias gladius | 1271 | A | 1 | 2 | 2 | 53,3 | 175 | | | | | | |
| 31 | 17:59 | SWO Xiphias gladius | 1272 | A | 1 | 2 | 1 | 12,1 | 110 | | | 1 | 1 | | |
| 31 | 18:02 | SWO Xiphias gladius | 1273 | A | 1 | 2 | 1 | 12,1 | 110 | | | 1 | | | |
| 31 | 18:12 | SWO Xiphias gladius | 1274 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 31 | 18:20 | SWO Xiphias gladius | 1275 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 31 | 18:30 | BUM Makaira nigricans | 1276 | A | 1 | 2 | 1 | 31,8 | 175 | | | | | | |
| 31 | 18:50 | SWO Xiphias gladius | 1277 | A | 2 | 2 | 1 | 75,6 | 195 | | | | | | |
| 31 | 19:00 | FAL Carcharhinus longimanus | 1278 | A | 2 | 5 | 2 | | | | | | | | |
| 31 | 19:05 | SWO Xiphias gladius | 1279 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 31 | 19:15 | WAH Acanthocybium solandri | 1280 | A | 2 | 2 | 2 | 18 | 155 | | | | | | |
| 31 | 19:21 | BSH Prionace glauca | 1281 | A | 2 | 2 | 2 | 15,6 | 185 | 150 | 41 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

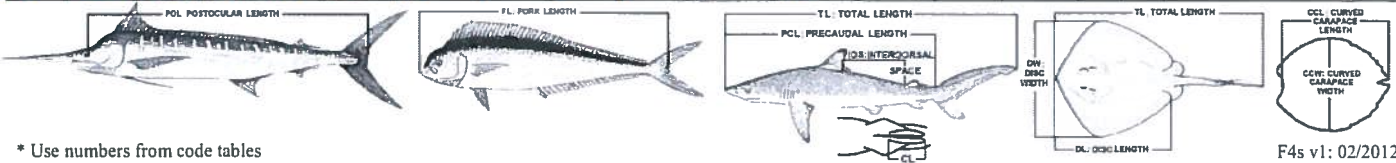
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook | | | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations | | |
|---------|-------|-------------------------------|---------------|------|---|---|-------------------|-------------|-----------------|---------------|-------------------|-------------|--------------------|---------|--------------|-------------|-----------------------|
| | | | | A | B | C | | | Hook location * | Disposition * | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | | C A L | S E M E N |
| 31 | 19:33 | SWO Xiphias gladius | 1282 | A | | | 1 | 2 | 2 | 13,9 | 115 | | | | | | |
| 31 | 19:35 | SWO Xiphias gladius | 1283 | A | | | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 31 | 19:45 | SWO Xiphias gladius | 1284 | A | | | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 31 | 19:46 | BSH Prionace glauca | 1285 | A | | | 2 | 2 | 2 | 23 | 195 | 170 | 45 | | | | |
| 31 | 19:55 | BSH Prionace glauca | 1286 | A | | | 2 | 2 | 1 | 37,9 | 250 | 200 | 54 | 19 | Y | N | |
| 31 | 20:00 | SWO Xiphias gladius | 1287 | A | | | 2 | 2 | 2 | 40 | 160 | | | | | | |
| 31 | 20:15 | SWO Xiphias gladius | 1288 | A | | | 1 | 2 | 2 | 147,6 | 240 | | | | | | |
| 31 | 20:30 | SWO Xiphias gladius | 1289 | A | | | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 31 | 20:39 | BSH Prionace glauca | 1290 | A | | | 1 | 2 | 2 | 32,4 | 230 | 190 | 50 | | | | |
| 31 | 20:49 | SSP Tetraprius angustirostris | 1291 | A | | | 2 | 5 | | | | | | | | | |
| 31 | 21:25 | ALV Alopias vulpinus | 1292 | A | | | 2 | 5 | | | | | | | | | |
| 31 | 21:37 | SWO Xiphias gladius | 1293 | A | | | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 31 | 21:30 | SMA Isurus oxyrinchus | 1294 | A | | | 1 | 2 | 2 | 44,6 | 200 | 180 | 52 | | | | |
| 31 | 21:46 | SWO Xiphias gladius | 1295 | A | | | 1 | 2 | 1 | 63,8 | 185 | | | | | | |
| 31 | 22:14 | SWO Xiphias gladius | 1296 | A | | | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 31 | 22:38 | ALV Alopias vulpinus | 1297 | A | | | 2 | 5 | 2 | | | | | | | | |
| 31 | 22:55 | POR Lamna nasus | 1298 | A | | | 2 | 5 | 2 | | | | | | | | |
| 31 | 23:06 | SWO Xiphias gladius | 1299 | A | | | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 31 | 23:07 | SWO Xiphias gladius | 1300 | A | | | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 31 | 23:23 | SWO Xiphias gladius | 1301 | A | | | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 31 | 23:44 | SWO Xiphias gladius | 1302 | A | | | 2 | 2 | 2 | 40 | 160 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

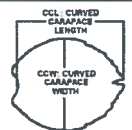
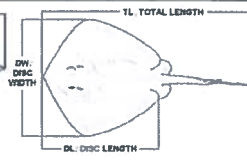
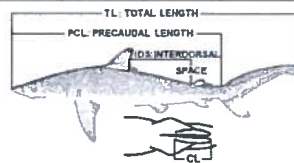
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|--------------------|------------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 31 | 0:00 | BSH Prionace glauca | 1303 | A | 1 | 2 | 2 | 32,4 | 210 | 190 | 48 | | | | |
| 32 | 10:00 | BSH Prionace glauca | 1304 | A | 1 | 2 | 2 | 27,4 | 220 | 180 | 53 | | | | |
| 32 | 10:10 | SWO Xiphias gladius | 1305 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 32 | 11:05 | SWO Xiphias gladius | 1306 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 32 | 11:06 | BSH Prionace glauca | 1307 | A | 1 | 2 | 2 | 25,1 | 220 | 175 | 45 | | | | |
| 32 | 11:12 | SWO Xiphias gladius | 1308 | A | 2 | 2 | 1 | 18,1 | 125 | | | | | | |
| 32 | 11:23 | LEC Lepidocybium flavobrunneum | 1309 | A | 2 | 2 | 2 | 11 | 105 | | | | | | |
| 32 | 11:30 | SWO Xiphias gladius | 1310 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 32 | 11:37 | BSH Prionace glauca | 1311 | A | 2 | 2 | 2 | 37,9 | 240 | 200 | 50 | | | | |
| 32 | 11:45 | SWO Xiphias gladius | 1312 | A | 1 | 2 | 1 | 63,8 | 185 | | | | | | |
| 32 | 11:54 | SWO Xiphias gladius | 1313 | A | 1 | 2 | 1 | 10,4 | 105 | | | | | | |
| 32 | 11:56 | SWO Xiphias gladius | 1314 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 32 | 12:11 | BUM Makaira nigricans | 1315 | A | 2 | 2 | 1 | 41,8 | 190 | | | | | | |
| 32 | 12:26 | SWO Xiphias gladius | 1316 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 32 | 12:36 | BSH Prionace glauca | 1317 | A | 2 | 2 | 2 | 19 | 200 | 160 | 42 | | | | |
| 32 | 12:44 | SWO Xiphias gladius | 1318 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 32 | 12:45 | SWO Xiphias gladius | 1319 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 32 | 13:05 | SWO Xiphias gladius | 1320 | A | 1 | 2 | 2 | 23,2 | 135 | | | | | | |
| 32 | 13:21 | BSH Prionace glauca | 1321 | A | 1 | 2 | 2 | 27,4 | 210 | 180 | 43 | | | | |
| 32 | 13:27 | BSH Prionace glauca | 1322 | A | 1 | 2 | 2 | 23 | 200 | 170 | 43 | | | | |
| 32 | 13:28 | SWO Xiphias gladius | 1323 | A | 1 | 2 | 1 | 147,6 | 240 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

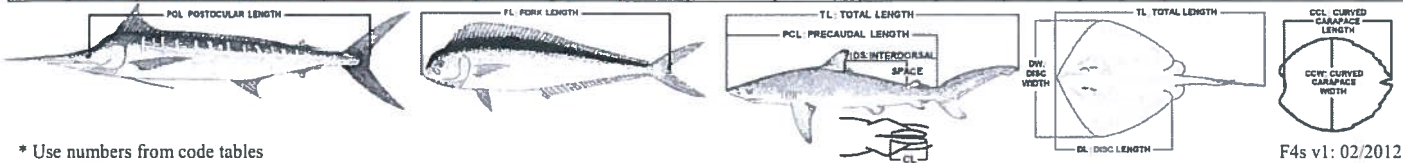
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 32 | 13:45 | SWO Xiphias gladius | 1324 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 32 | 13:48 | SWO Xiphias gladius | 1325 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 32 | 13:54 | SWO Xiphias gladius | 1326 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 32 | 14:00 | SWO Xiphias gladius | 1327 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 32 | 14:10 | BSH Prionace glauca | 1328 | A | 1 | 2 | 2 | 27,4 | 210 | 180 | 48 | | | | |
| 32 | 14:20 | BSH Prionace glauca | 1329 | A | 2 | 2 | 2 | 23 | 210 | 170 | 45 | | | | |
| 32 | 14:26 | SWO Xiphias gladius | 1330 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 32 | 14:35 | SWO Xiphias gladius | 1331 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 32 | 14:42 | BSH Prionace glauca | 1332 | A | 1 | 2 | 2 | 44,1 | 250 | 210 | 44 | | | | |
| 32 | 14:47 | BSH Prionace glauca | 1333 | A | 2 | 2 | 2 | 37,9 | 250 | 200 | 45 | | | | |
| 32 | 14:52 | SWO Xiphias gladius | 1334 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 32 | 14:58 | SWO Xiphias gladius | 1335 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 32 | 15:09 | SWO Xiphias gladius | 1336 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 32 | 15:08 | SWO Xiphias gladius | 1337 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 32 | 15:42 | BUM Makaira nigricans | 1338 | A | 2 | 2 | 2 | 58,3 | 210 | | | | | | |
| 32 | 15:51 | SWO Xiphias gladius | 1339 | A | 2 | 2 | 2 | 88,8 | 205 | | | | | | |
| 32 | 15:57 | SWO Xiphias gladius | 1340 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 32 | 16:00 | SWO Xiphias gladius | 1341 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 32 | 16:05 | SWO Xiphias gladius | 1342 | A | 1 | 2 | 1 | 10,4 | 105 | | | | | | |
| 32 | 16:10 | SMA Isurus oxyrinchus | 1343 | A | 2 | 2 | 1 | 52,4 | 200 | 190 | 54 | 25 | Y | N | |
| 32 | 16:15 | SWO Xiphias gladius | 1344 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

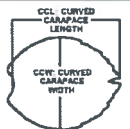
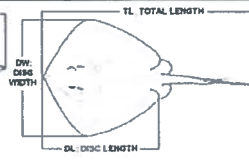
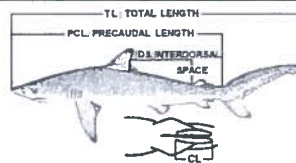
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook | | | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|------|---|---|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|-----------------------------|
| | | | | A | B | C | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 32 | 16:18 | SWO Xiphias gladius | 1345 | A | | | 1 | 8,9 | 100 | | | | | | | |
| 32 | 16:18 | SWO Xiphias gladius | 1346 | A | | | 2 | 20,6 | 130 | | | | | | | |
| 32 | 16:34 | SWO Xiphias gladius | 1347 | A | | | 1 | 13,9 | 115 | | | | | | | |
| 32 | 16:36 | SWO Xiphias gladius | 1348 | A | | | 2 | 32,5 | 150 | | | | | | | |
| 32 | 16:52 | SWO Xiphias gladius | 1349 | A | | | 1 | 26,1 | 140 | | | | | | | |
| 32 | 16:57 | SWO Xiphias gladius | 1350 | A | | | 1 | 75,6 | 195 | | | | | | | |
| 32 | 17:00 | SWO Xiphias gladius | 1351 | A | | | 1 | 58,4 | 180 | | | | | | | |
| 32 | 17:08 | SWO Xiphias gladius | 1352 | A | | | 1 | 20,6 | 130 | | | | | | | |
| 32 | 17:12 | SWO Xiphias gladius | 1353 | A | | | 1 | 20,6 | 130 | | | | | | | |
| 32 | 17:22 | SWO Xiphias gladius | 1354 | A | | | 1 | 20,6 | 130 | | | | | | | |
| 32 | 17:26 | SWO Xiphias gladius | 1355 | A | | | 1 | 10,4 | 105 | | | | | | | |
| 32 | 17:30 | SWO Xiphias gladius | 1356 | A | | | 1 | 32,5 | 150 | | | | | | | |
| 32 | 17:35 | BSH Prionace glauca | 1357 | A | | | 2 | 44,1 | 250 | 210 | 51 | 21 | Y | Y | | |
| 32 | 17:37 | BSH Prionace glauca | 1358 | A | | | 2 | 12,6 | 170 | 140 | 31 | | | | | |
| 32 | 17:45 | SWO Xiphias gladius | 1359 | A | | | 2 | 179,6 | 255 | | | | | | | |
| 32 | 17:55 | SWO Xiphias gladius | 1360 | A | | | 1 | 63,8 | 185 | | | | | | | |
| 32 | 18:00 | SWO Xiphias gladius | 1361 | A | | | 2 | 32,5 | 150 | | | | | | | |
| 32 | 18:50 | SWO Xiphias gladius | 1362 | A | | | 1 | 32,5 | 150 | | | | | | | |
| 32 | 19:10 | SWO Xiphias gladius | 1363 | A | | | 1 | 12,1 | 110 | | | | | | | |
| 32 | 19:15 | SWO Xiphias gladius | 1364 | A | | | 3 | | | | | | | | | So cabeça. comido pela orca |
| 32 | 19:25 | SMA Isurus oxyrinchus | 1365 | A | | | 2 | 52,4 | 210 | 190 | 56 | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

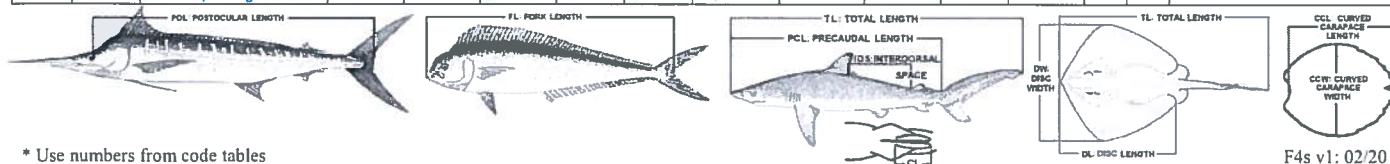
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 32 | 19:38 | SWO Xiphias gladius | 1366 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 32 | 19:40 | SWO Xiphias gladius | 1367 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 32 | 19:57 | SWO Xiphias gladius | 1368 | A | 2 | 2 | 2 | 69,5 | 190 | | | | | | |
| 32 | 20:06 | BSH Prionace glauca | 1369 | A | 1 | 2 | 2 | 25,1 | 215 | 175 | 42 | | | | |
| 32 | 20:15 | SWO Xiphias gladius | 1370 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 32 | 20:34 | SWO Xiphias gladius | 1371 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 32 | 20:47 | SWO Xiphias gladius | 1372 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| 32 | 20:58 | SWO Xiphias gladius | 1373 | A | 1 | 2 | 2 | 58,4 | 180 | | | | | | |
| 32 | 21:12 | SWO Xiphias gladius | 1374 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 32 | 21:28 | SWO Xiphias gladius | 1375 | A | 2 | 2 | 1 | 26,1 | 140 | | | | | | |
| 32 | 21:34 | SWO Xiphias gladius | 1376 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 32 | 21:40 | SWO Xiphias gladius | 1377 | A | 1 | 2 | 2 | 29,2 | 145 | | | | | | |
| 32 | 21:58 | SSP Tetrapturus angustirostris | 1378 | A | 1 | 5 | | | | | | | | | |
| 32 | 22:04 | BSH Prionace glauca | 1379 | A | 2 | 2 | 2 | 29,8 | 220 | 185 | 44 | | | | |
| 32 | 22:24 | SWO Xiphias gladius | 1380 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 32 | 22:46 | SWO Xiphias gladius | 1381 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 33 | 9:41 | SWO Xiphias gladius | 1382 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 33 | 9:57 | SWO Xiphias gladius | 1383 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 33 | 10:05 | SWO Xiphias gladius | 1384 | A | 1 | 2 | 1 | 18,1 | 125 | | | | | | |
| 33 | 10:35 | SWO Xiphias gladius | 1385 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 33 | 10:48 | SWO Xiphias gladius | 1386 | A | 2 | 2 | 1 | 63,8 | 185 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

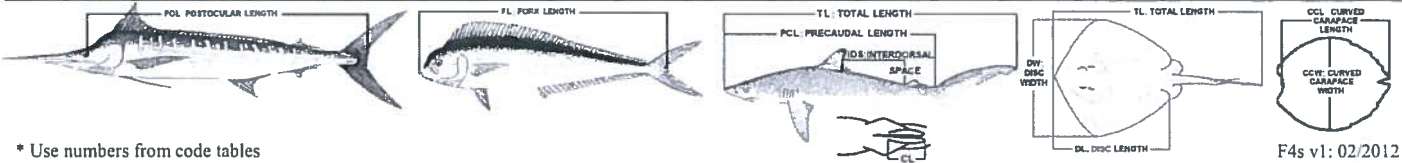
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 33 | 10:57 | SWO Xiphias gladius | 1387 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 33 | 11:10 | SWO Xiphias gladius | 1388 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 33 | 11:21 | BSH Prionace glauca | 1389 | A | 2 | 2 | 2 | 27,4 | 235 | 180 | 52 | | | | |
| 33 | 11:29 | BSH Prionace glauca | 1390 | A | 2 | 2 | 2 | 40,9 | 255 | 205 | 51 | | | | |
| 33 | 11:44 | SMA Isurus oxyrinchus | 1391 | A | 2 | 2 | 1 | 26 | 170 | 150 | 48 | 17 | Y | N | |
| 33 | 11:47 | SWO Xiphias gladius | 1392 | A | 1 | 2 | 2 | 63,8 | 185 | | | | | | |
| 33 | 11:58 | SWO Xiphias gladius | 1393 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| 33 | 12:05 | SWO Xiphias gladius | 1394 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 33 | 12:14 | SWO Xiphias gladius | 1395 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 33 | 12:20 | SWO Xiphias gladius | 1396 | A | 1 | 2 | 2 | 44,2 | 165 | | | | | | |
| 33 | 12:48 | BSH Prionace glauca | 1397 | A | 1 | 2 | 2 | 29,8 | 225 | 185 | 50 | | | | |
| 33 | 12:55 | SWO Xiphias gladius | 1398 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 33 | 13:09 | SWO Xiphias gladius | 1399 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 33 | 13:22 | SWO Xiphias gladius | 1400 | A | 1 | 2 | 2 | 111,5 | 220 | | | | | | |
| 33 | 13:24 | WAH Acanthocybium solandri | 1401 | A | 1 | 2 | 1 | 14,9 | 145 | | | | | | |
| 33 | 13:25 | SWO Xiphias gladius | 1402 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 33 | 13:33 | BUM Makaira nigricans | 1403 | A | 3 | 2 | 1 | 58,3 | 210 | | | | | | |
| 33 | 13:43 | SWO Xiphias gladius | 1404 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| 33 | 13:44 | WAH Acanthocybium solandri | 1405 | A | 3 | 1 | | 36,8 | 200 | | | | | | |
| 33 | 13:48 | SWO Xiphias gladius | 1406 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 33 | 13:58 | SWO Xiphias gladius | 1407 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

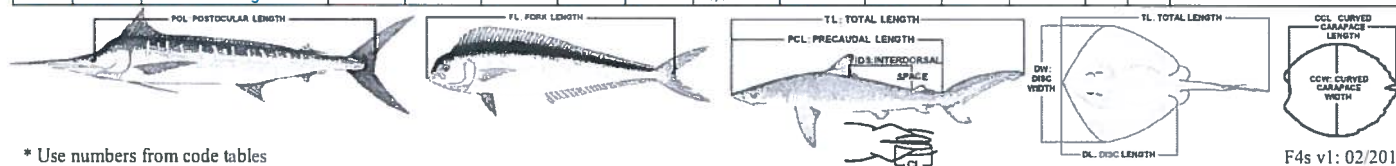
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 33 | 14:04 | SWO Xiphias gladius | 1408 | A | 2 | 2 | 2 | 13,9 | 115 | | | | | | |
| 33 | 14:20 | SWO Xiphias gladius | 1409 | A | 2 | 2 | 1 | 48,6 | 170 | | | | | | |
| 33 | 14:25 | BSH Prionace glauca | 1410 | A | 1 | 2 | 2 | 11,3 | 160 | 135 | 32 | | | | |
| 33 | 14:32 | SWO Xiphias gladius | 1411 | A | 1 | 2 | 1 | 10,4 | 105 | | | | | | |
| 33 | 14:45 | WAH Acanthocybium solandri | 1412 | A | 1 | 5 | | | | | | | | | |
| 33 | 14:50 | SWO Xiphias gladius | 1413 | A | 2 | 2 | 2 | 26,1 | 140 | | | | | | |
| 33 | 14:55 | SWO Xiphias gladius | 1414 | A | 2 | 2 | 2 | 36,1 | 155 | | | | | | |
| 33 | 14:58 | SSP Tetrapturus angustirostris | 1415 | A | 2 | 2 | 2 | | 120 | | | | | | |
| 33 | 14:59 | WAH Acanthocybium solandri | 1416 | A | 1 | 2 | 1 | 19,6 | 160 | | | | | | |
| 33 | 15:04 | BSH Prionace glauca | 1417 | A | 3 | 3 | 1 | 44,1 | 260 | 210 | 48 | 19 | Y | N | |
| 33 | 15:15 | SWO Xiphias gladius | 1418 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 33 | 15:25 | SWO Xiphias gladius | 1419 | A | 2 | 2 | 2 | 53,3 | 175 | | | | | | |
| 33 | 15:34 | WAH Acanthocybium solandri | 1420 | A | 2 | 3 | 2 | 12,2 | 135 | | | | | | |
| 33 | 15:36 | SWO Xiphias gladius | 1421 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 33 | 15:47 | SWO Xiphias gladius | 1422 | A | 2 | 2 | 2 | 8,9 | 100 | | | | | | |
| 33 | 16:15 | WAH Acanthocybium solandri | 1423 | A | 2 | 3 | 2 | 8,8 | 120 | | | | | | |
| 33 | 16:25 | SWO Xiphias gladius | 1424 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |
| 33 | 16:29 | SSP Tetrapturus angustirostris | 1425 | A | 2 | 2 | | | 175 | | | | | | |
| 33 | 16:36 | BSH Prionace glauca | 1426 | A | 1 | 2 | 1 | 58,5 | 270 | 230 | 65 | 20 | Y | N | |
| 33 | 16:40 | SWO Xiphias gladius | 1427 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 33 | 16:56 | BSH Prionace glauca | 1428 | A | 2 | 2 | 2 | 44,1 | 260 | 210 | 50 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

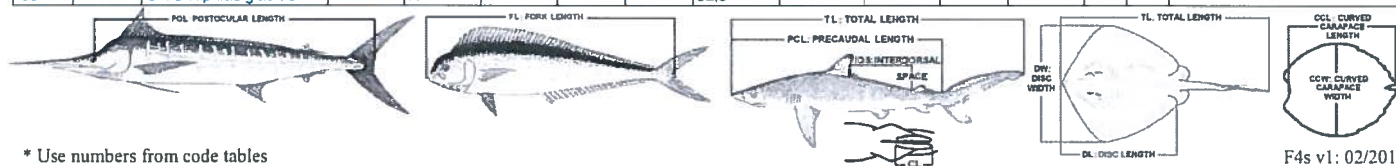
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 33 | 17:05 | BSH <i>Prionace glauca</i> | 1429 | A | 2 | 2 | 2 | 19 | 180 | 160 | 37 | | | | |
| 33 | 17:18 | SWO <i>Xiphias gladius</i> | 1430 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 33 | 17:28 | SWO <i>Xiphias gladius</i> | 1431 | A | 1 | 2 | 2 | 8,9 | 100 | | | | | | |
| 33 | 17:50 | BSH <i>Prionace glauca</i> | 1432 | A | 1 | 2 | 2 | 25,1 | 210 | 175 | 43 | | | | |
| 33 | 18:40 | SWO <i>Xiphias gladius</i> | 1433 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 33 | 18:56 | BSH <i>Prionace glauca</i> | 1434 | A | 1 | 3 | 2 | 66,7 | 270 | 240 | 62 | | | | |
| 33 | 19:00 | SWO <i>Xiphias gladius</i> | 1435 | A | 1 | 2 | 1 | 137,9 | 235 | | | | | | |
| 33 | 19:04 | BET <i>Thunnus obesus</i> | 1436 | A | 2 | 2 | 1 | 58,3 | 150 | | | | | | |
| 33 | 19:15 | BSH <i>Prionace glauca</i> | 1437 | A | 2 | 2 | 2 | 15,6 | 180 | 150 | 36 | | | | |
| 33 | 19:26 | WAH <i>Acanthocybium solandri</i> | 1438 | A | 2 | 1 | | | | | | | | | |
| 33 | 19:45 | SWO <i>Xiphias gladius</i> | 1439 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 33 | 19:52 | BSH <i>Prionace glauca</i> | 1440 | A | 2 | 2 | 1 | 44,1 | 250 | 210 | 54 | 20 | Y | N | |
| 33 | 20:06 | BSH <i>Prionace glauca</i> | 1441 | A | 1 | 2 | 2 | 23 | 210 | 170 | 39 | | | | |
| 33 | 20:15 | SMA <i>Isurus oxyrinchus</i> | 1442 | A | 1 | 2 | 1 | 52,4 | 210 | 190 | 62 | 20 | Y | N | |
| 33 | 20:33 | LEC <i>Lepidocybium flavobrunneum</i> | 1443 | A | 1 | 2 | 2 | 18,9 | 125 | | | | | | |
| 33 | 20:37 | BSH <i>Prionace glauca</i> | 1444 | A | 1 | 2 | 2 | 23 | 210 | 170 | 43 | | | | |
| 33 | 20:49 | ALB <i>Thunnus alalunga</i> | 1445 | A | 2 | 3 | 1 | 16,4 | 95 | | | | | | |
| 33 | 20:59 | BSH <i>Prionace glauca</i> | 1446 | A | 2 | 2 | 2 | 15,6 | 170 | 150 | 36 | | | | |
| 33 | 21:09 | SWO <i>Xiphias gladius</i> | 1447 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 33 | 21:13 | SWO <i>Xiphias gladius</i> | 1448 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 33 | 21:30 | SWO <i>Xiphias gladius</i> | 1449 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

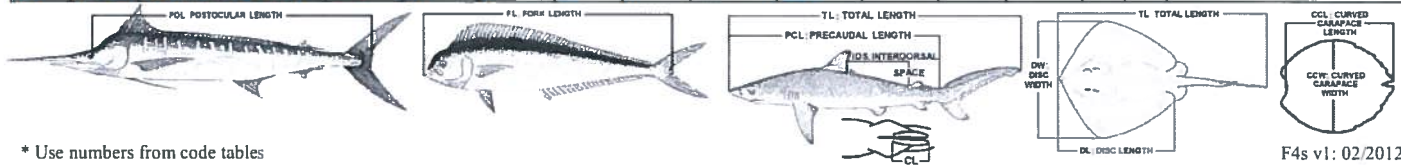
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 33 | 21:39 | BSH <i>Prionace glauca</i> | 1450 | A | 1 | 2 | 2 | 27,4 | 230 | 180 | 46 | | | | |
| 33 | 21:46 | BSH <i>Prionace glauca</i> | 1451 | A | 1 | 2 | 2 | 32,4 | 240 | 190 | 50 | | | | |
| 33 | 21:49 | BSH <i>Prionace glauca</i> | 1452 | A | 1 | 2 | 2 | 23 | 190 | 170 | 42 | | | | |
| 33 | 22:03 | BSH <i>Prionace glauca</i> | 1453 | A | 1 | 2 | 2 | 27,4 | 240 | 180 | 50 | | | | |
| 33 | 21:13 | ALV <i>Alopias vulpinus</i> | 1454 | A | 2 | 5 | 2 | | | | | | | | |
| 33 | 21:45 | WAH <i>Acanthocybium solandri</i> | 1455 | A | 2 | 1 | | | | | | | | | |
| 33 | 21:49 | SWO <i>Xiphias gladius</i> | 1456 | A | 2 | 2 | 1 | 6,4 | 90 | | | | | | |
| 34 | 11:15 | SSP <i>Tetrapturus angustirostris</i> | 1457 | A | 2 | 2 | 2 | | 150 | | | | | | |
| 34 | 11:21 | SWO <i>Xiphias gladius</i> | 1458 | A | 2 | 2 | 2 | 69,5 | 190 | | | | | | |
| 34 | 11:38 | LEC <i>Lepidocybium flavobrunneum</i> | 1459 | A | 1 | 2 | 2 | 14,6 | 115 | | | | | | |
| 34 | 11:48 | SWO <i>Xiphias gladius</i> | 1460 | A | 2 | 2 | 2 | 53,3 | 175 | | | | | | |
| 34 | 12:06 | SWO <i>Xiphias gladius</i> | 1461 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 34 | 12:20 | SWO <i>Xiphias gladius</i> | 1462 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 34 | 12:30 | SWO <i>Xiphias gladius</i> | 1463 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 34 | 12:48 | SWO <i>Xiphias gladius</i> | 1464 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 34 | 12:55 | SWO <i>Xiphias gladius</i> | 1465 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 34 | 13:05 | SWO <i>Xiphias gladius</i> | 1466 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 34 | 13:27 | SWO <i>Xiphias gladius</i> | 1467 | A | 1 | 2 | 2 | 48,6 | 170 | | | | | | |
| 34 | 14:50 | BSH <i>Prionace glauca</i> | 1468 | A | 2 | 2 | 2 | 23 | 210 | 170 | 42 | | | | |
| 34 | 14:58 | BUM <i>Makaira nigricans</i> | 1469 | A | 3 | 2 | 2 | | 358 | | | | | | |
| 34 | 15:55 | SWO <i>Xiphias gladius</i> | 1470 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

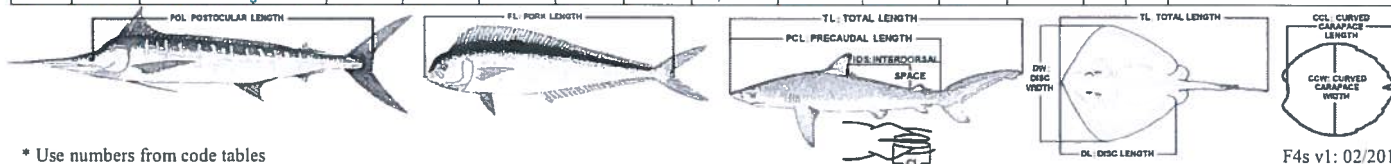
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 34 | 15:15 | SWO Xiphias gladius | 1471 | A | 2 | 2 | 2 | 40 | 160 | | | | | | |
| 34 | 15:18 | SWO Xiphias gladius | 1472 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 34 | 15:27 | SWO Xiphias gladius | 1473 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 34 | 15:55 | SWO Xiphias gladius | 1474 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 34 | 16:09 | SWO Xiphias gladius | 1475 | A | 1 | 2 | 2 | 111,5 | 220 | | | | | | |
| 34 | 16:11 | SWO Xiphias gladius | 1476 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 34 | 16:19 | SWO Xiphias gladius | 1477 | A | 2 | 2 | 2 | 36,1 | 155 | | | | | | |
| 34 | 16:25 | SWO Xiphias gladius | 1478 | A | 1 | 2 | 2 | 8,9 | 100 | | | | | | |
| 34 | 16:30 | SWO Xiphias gladius | 1479 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 34 | 16:46 | SWO Xiphias gladius | 1480 | A | 3 | 2 | 2 | 63,8 | 185 | | | | | | |
| 34 | 16:54 | SWO Xiphias gladius | 1481 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 34 | 17:00 | ALV Alopias vulpinus | 1482 | A | 2 | 5 | 2 | | | | | | | | |
| 34 | 17:07 | BSH Prionace glauca | 1483 | A | 2 | 2 | 2 | 27,4 | 215 | 180 | 48 | | | | |
| 34 | 17:09 | SWO Xiphias gladius | 1484 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 34 | 17:21 | SWO Xiphias gladius | 1485 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 34 | 16:54 | SWO Xiphias gladius | 1486 | A | 1 | 2 | 1 | 63,8 | 185 | | | | | | |
| 34 | 17:00 | SWO Xiphias gladius | 1487 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 34 | 17:07 | SWO Xiphias gladius | 1488 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 34 | 17:09 | SMA Isurus oxyrinchus | 1489 | A | 2 | 2 | 2 | 81 | 240 | 220 | 60 | | | | |
| 34 | 17:21 | BSH Prionace glauca | 1490 | A | 2 | 2 | 2 | 20,9 | 205 | 165 | 44 | | | | |
| 34 | 17:58 | BSH Prionace glauca | 1491 | A | 1 | 2 | 2 | 20,9 | 205 | 165 | 44 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 34 | 18:15 | SWO Xiphias gladius | 1492 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 34 | 18:50 | SWO Xiphias gladius | 1493 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 34 | 18:56 | SWO Xiphias gladius | 1494 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 34 | 19:04 | SWO Xiphias gladius | 1495 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 34 | 19:24 | SWO Xiphias gladius | 1496 | A | 1 | 2 | 2 | 53,3 | 175 | | | | | | |
| 34 | 19:30 | SWO Xiphias gladius | 1497 | A | 1 | 2 | 1 | 69,5 | 190 | | | | | | |
| 34 | 19:35 | BSH Prionace glauca | 1498 | A | 1 | 2 | 2 | 37,9 | 250 | 200 | 52 | | | | |
| 34 | 19:40 | SWO Xiphias gladius | 1499 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 34 | 19:43 | SWO Xiphias gladius | 1500 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 34 | 19:46 | SWO Xiphias gladius | 1501 | A | 2 | 2 | 1 | 69,5 | 190 | | | | | | |
| 34 | 19:56 | SWO Xiphias gladius | 1502 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 34 | 20:05 | SWO Xiphias gladius | 1503 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 34 | 20:06 | SWO Xiphias gladius | 1504 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 34 | 20:10 | SWO Xiphias gladius | 1505 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 34 | 20:13 | SWO Xiphias gladius | 1506 | A | 3 | 2 | 2 | 58,4 | 180 | | | | | | |
| 34 | 20:19 | BSH Prionace glauca | 1507 | A | 2 | 2 | 2 | 32,4 | 235 | 190 | 45 | | | | |
| 34 | 20:52 | SWO Xiphias gladius | 1508 | A | 2 | 2 | 2 | 128,7 | 230 | | | | | | |
| 34 | 21:35 | LEC Lepidocybium flavobrunneum | 1509 | A | 2 | 1 | 1 | 14,6 | 115 | | | | | | |
| 34 | 21:50 | BSH Prionace glauca | 1510 | A | 2 | 1 | 1 | 58,5 | 270 | 230 | 63 | 20 | Y | N | |
| 34 | 22:03 | ALV Alopias vulpinus | 1511 | A | 2 | 5 | 1 | | | | | | | | |
| 34 | 22:15 | BSH Prionace glauca | 1512 | A | 1 | 2 | 2 | 23 | 215 | 170 | 41 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

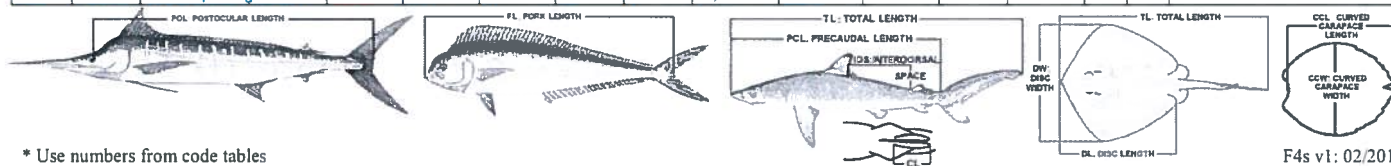
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | CAL | SEMEN | |
| 34 | 22:44 | BSH <i>Prionace glauca</i> | 1513 | A | 1 | 2 | 2 | 23 | 210 | 170 | 41 | | | | |
| 34 | 22:48 | BSH <i>Prionace glauca</i> | 1514 | A | 1 | 2 | 2 | 23 | 210 | 170 | 44 | | | | |
| 34 | 9:15 | WAH <i>Acanthocybium solandri</i> | 1515 | A | 1 | 1 | | | | | | | | | |
| 35 | 9:50 | SWO <i>Xiphias gladius</i> | 1516 | A | 1 | 2 | 2 | 10,4 | 105 | | | | | | |
| 35 | 9:55 | SWO <i>Xiphias gladius</i> | 1517 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 35 | 9:59 | SWO <i>Xiphias gladius</i> | 1518 | A | 2 | 2 | 2 | 26,1 | 140 | | | | | | |
| 35 | 10:06 | SWO <i>Xiphias gladius</i> | 1519 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 35 | 10:20 | SWO <i>Xiphias gladius</i> | 1520 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 35 | 10:30 | SWO <i>Xiphias gladius</i> | 1521 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 35 | 10:42 | SWO <i>Xiphias gladius</i> | 1522 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 35 | 11:00 | SWO <i>Xiphias gladius</i> | 1523 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 35 | 11:09 | SWO <i>Xiphias gladius</i> | 1524 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 35 | 11:24 | SWO <i>Xiphias gladius</i> | 1525 | A | 2 | 2 | 2 | 26,1 | 140 | | | | | | |
| 35 | 11:33 | SWO <i>Xiphias gladius</i> | 1526 | A | 2 | 2 | 2 | 7,6 | 95 | | | | | | |
| 35 | 11:44 | BSH <i>Prionace glauca</i> | 1527 | A | 2 | 2 | 2 | 37,9 | 240 | 200 | 48 | | | | |
| 35 | 12:19 | SWO <i>Xiphias gladius</i> | 1528 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 35 | 12:34 | SWO <i>Xiphias gladius</i> | 1529 | A | 1 | 1 | 1 | 26,1 | 140 | | | | | | Fora podre |
| 35 | 12:38 | SWO <i>Xiphias gladius</i> | 1530 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 35 | 12:55 | SWO <i>Xiphias gladius</i> | 1531 | A | 1 | 2 | 2 | 111,5 | 220 | | | | | | |
| 35 | 13:05 | SWO <i>Xiphias gladius</i> | 1532 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 35 | 13:30 | SWO <i>Xiphias gladius</i> | 1533 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook | | | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|------------------------|---------------|------|---|---|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-----------------------------|--------------|
| | | | | A | B | C | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 35 | 13:38 | SWO Xiphias gladius | 1534 | A | | | 2 | 20,6 | 130 | | | | | | | |
| 35 | 13:45 | SWO Xiphias gladius | 1535 | A | | | 2 | 29,2 | 145 | | | | | | | |
| 35 | 13:47 | SWO Xiphias gladius | 1536 | A | | | 2 | 20,6 | 130 | | | | | | | |
| 35 | 13:54 | SWO Xiphias gladius | 1537 | A | | | 2 | 15,9 | 120 | | | | | | | |
| 35 | 14:15 | SWO Xiphias gladius | 1538 | A | | | 2 | 48,6 | 170 | | | | | | | |
| 35 | 14:32 | BSH Prionace glauca | 1539 | A | | | 2 | 35,1 | 240 | 195 | 49 | | | | | |
| 35 | 14:34 | SWO Xiphias gladius | 1540 | A | | | 3 | | | | | | | | So cabeça e parte do tronco | |
| 35 | 14:38 | SWO Xiphias gladius | 1541 | A | | | 2 | 12,1 | 110 | | | | | | | |
| 35 | 14:43 | SWO Xiphias gladius | 1542 | A | | | 2 | 8,9 | 100 | | | | | | | |
| 35 | 14:45 | BSH Prionace glauca | 1543 | A | | | 2 | 29,8 | 215 | 185 | 49 | | | | | |
| 35 | 14:50 | SWO Xiphias gladius | 1544 | A | | | 2 | 44,2 | 165 | | | | | | | |
| 35 | 15:01 | BSH Prionace glauca | 1545 | A | | | 2 | 27,4 | 210 | 180 | 43 | | | | | |
| 35 | 15:30 | ALV Alopias vulpinus | 1546 | A | | | 5 | | | | | | | | | |
| 35 | 15:31 | SWO Xiphias gladius | 1547 | A | | | 2 | 8,9 | 100 | | | | | | | |
| 35 | 15:54 | SWO Xiphias gladius | 1548 | A | | | 2 | 36,1 | 155 | | | | | | | |
| 35 | 16:08 | SSP Tetraodon lineatus | 1549 | A | | | 2 | | 130 | | | | | | | |
| 35 | 16:31 | SWO Xiphias gladius | 1550 | A | | | 2 | 23,2 | 135 | | | | | | | |
| 35 | 16:40 | SWO Xiphias gladius | 1551 | A | | | 2 | 32,5 | 150 | | | | | | | |
| 35 | 16:45 | BSH Prionace glauca | 1552 | A | | | 2 | 32,4 | 230 | 190 | 45 | | | | | |
| 353 | 17:10 | SWO Xiphias gladius | 1553 | A | | | 2 | 69,5 | 190 | | | | | | | |
| 35 | 17:15 | SWO Xiphias gladius | 1554 | A | | | 2 | 26,1 | 140 | | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 35 | 17:16 | SWO Xiphias gladius | 1555 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 35 | 17:20 | SWO Xiphias gladius | 1556 | A | 1 | 2 | 1 | 96 | 270 | | | | | | |
| 35 | 17:30 | BSH Prionace glauca | 1557 | A | 1 | 2 | 2 | 23 | 210 | 170 | 45 | | | | |
| 35 | 18:49 | SWO Xiphias gladius | 1558 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 35 | 18:50 | SWO Xiphias gladius | 1559 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 35 | 19:20 | ALV Alopias vulpinus | 1560 | A | 2 | 5 | | | | | | | | | |
| 35 | 19:28 | BSH Prionace glauca | 1561 | A | 1 | 2 | 2 | 23 | 210 | 170 | 46 | | | | |
| 35 | 19:35 | BSH Prionace glauca | 1562 | A | 1 | 2 | 2 | 23 | 210 | 170 | 45 | | | | |
| 35 | 19:50 | BSH Prionace glauca | 1563 | A | 2 | 2 | 2 | 19 | 190 | 160 | 43 | | | | |
| 35 | 19:54 | BSH Prionace glauca | 1564 | A | 2 | 2 | 2 | 19 | 195 | 160 | 41 | | | | |
| 35 | 19:56 | SWO Xiphias gladius | 1565 | A | 2 | 2 | 1 | 69,5 | 190 | | | | | | |
| 35 | 20:24 | LEC Lepidocybium flavobrunneum | 1566 | A | 1 | 2 | 2 | 26,8 | 140 | | | | | | |
| 35 | 20:26 | SWO Xiphias gladius | 1567 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 35 | 20:34 | ALV Alopias vulpinus | 1568 | A | 2 | 5 | 2 | | | | | | | | |
| 35 | 20:45 | BSH Prionace glauca | 1569 | A | 1 | 2 | 2 | 23 | 215 | 170 | 44 | | | | |
| 35 | 20:51 | ALV Alopias vulpinus | 1570 | A | 2 | 5 | | | | | | | | | |
| 35 | 20:58 | SWO Xiphias gladius | 1571 | A | 1 | 1 | 1 | 12,1 | 110 | | | | | | |
| 35 | 21:05 | BSH Prionace glauca | 1572 | A | 2 | 2 | 1 | 23 | 210 | 170 | 45 | 18 | Y | N | |
| 35 | 21:12 | SWO Xiphias gladius | 1573 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 35 | 21:15 | SWO Xiphias gladius | 1574 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 35 | 21:36 | SWO Xiphias gladius | 1575 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

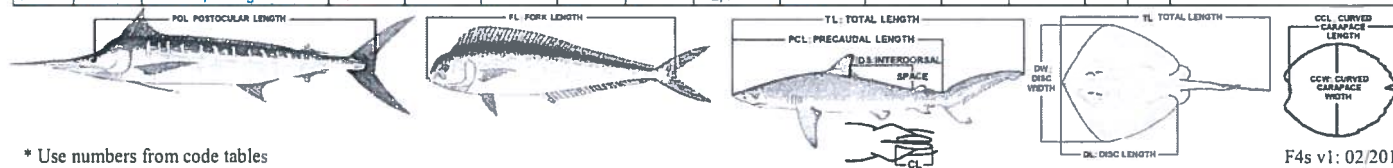
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 35 | 21:56 | SWO Xiphias gladius | 1576 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 35 | 22:24 | SWO Xiphias gladius | 1577 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 35 | 22:35 | SWO Xiphias gladius | 1578 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 35 | 22:45 | SWO Xiphias gladius | 1579 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 35 | 22:52 | SWO Xiphias gladius | 1580 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 35 | 23:08 | SWO Xiphias gladius | 1581 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 35 | 23:18 | SSP Tetraodon lineatus | 1582 | A | 2 | 1 | | | | | | | | | |
| 35 | 23:11 | SWO Xiphias gladius | 1583 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 35 | 23:23 | SWO Xiphias gladius | 1584 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 35 | 10:00 | SSP Tetraodon lineatus | 1585 | A | 2 | 2 | 1 | | 165 | | | | | | |
| 36 | 10:06 | SWO Xiphias gladius | 1586 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 36 | 10:10 | SWO Xiphias gladius | 1587 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 36 | 10:15 | SWO Xiphias gladius | 1588 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 36 | 10:17 | SWO Xiphias gladius | 1589 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 36 | 10:21 | SWO Xiphias gladius | 1590 | A | 1 | 2 | 2 | 8,9 | 100 | | | | | | |
| 36 | 10:55 | SWO Xiphias gladius | 1591 | A | 3 | 2 | 2 | 242,9 | 280 | | | | | | |
| 36 | 11:05 | BSH Prionace glauca | 1592 | A | 1 | 2 | 2 | 15,61 | 170 | 150 | 32 | | | | |
| 36 | 11:17 | WAH Acanthocybium solandri | 1593 | A | 2 | 2 | 2 | 4,9 | 145 | | | | | | |
| 36 | 11:34 | BSH Prionace glauca | 1594 | A | 1 | 2 | 2 | 10 | 150 | 130 | 36 | | | | |
| 36 | 11:53 | SWO Xiphias gladius | 1595 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 36 | 12:03 | SWO Xiphias gladius | 1596 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |



* Use numbers from code tables

F4s vi: 02/2012

CATCH FORM

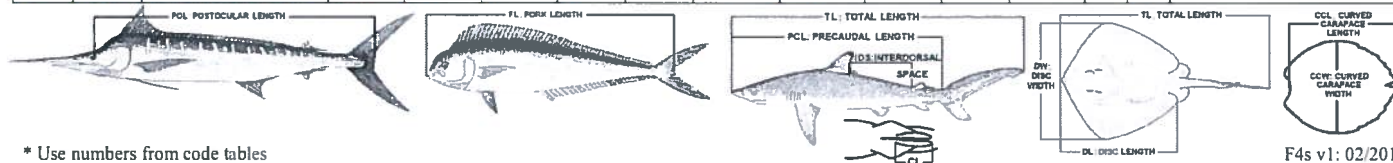
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|--------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 36 | 12:10 | SWO Xiphias gladius | 1597 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 36 | 12:15 | ALV Alopias vulpinus | 1598 | A | 2 | 5 | | | | | | | | | |
| 36 | 12:45 | BSH Prionace glauca | 1599 | A | 2 | 2 | 2 | 27,4 | 210 | 180 | 51 | | | | |
| 36 | 12:51 | SWO Xiphias gladius | 1600 | A | 2 | 2 | 1 | 12,1 | 110 | | | | | | |
| 36 | 13:14 | SWO Xiphias gladius | 1601 | A | 2 | 2 | 2 | 15,9 | 120 | | | | | | |
| 36 | 13:40 | SMA Isurus oxyrinchus | 1602 | A | 3 | 2 | 1 | 118,6 | 270 | 250 | 68 | 25 | Y | N | |
| 36 | 13:44 | BUM Makaira nigricans | 1603 | A | 2 | 2 | 2 | 31,8 | 175 | | | | | | |
| 36 | 14:00 | ALV Alopias vulpinus | 1604 | A | 3 | 5 | | | | | | | | | |
| 36 | 14:05 | BSH Prionace glauca | 1605 | A | 2 | 2 | 1 | 50,9 | 260 | 220 | 57 | 20 | Y | N | |
| 36 | 14:25 | LEC Lepidocybium flavobrunneum | 1606 | A | 2 | 2 | 2 | 18,9 | 125 | | | | | | |
| 36 | 14:50 | SWO Xiphias gladius | 1607 | A | 1 | 2 | 2 | 18,1 | 125 | | | | | | |
| 36 | 15:00 | SWO Xiphias gladius | 1608 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 36 | 15:15 | ALV Alopias vulpinus | 1609 | A | 2 | 5 | 2 | | | | | | | | |
| 36 | 15:39 | SWO Xiphias gladius | 1610 | A | 3 | 2 | 1 | 20,6 | 130 | | | | | | |
| 36 | 15:37 | SSP Tetrapturus angustirostris | 1611 | A | 2 | 1 | | | | | | | | | |
| 36 | 15:51 | SWO Xiphias gladius | 1612 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 36 | 15:57 | BSH Prionace glauca | 1613 | A | 1 | 2 | 1 | 32,4 | 240 | 190 | 52 | 20 | Y | N | |
| 36 | 16:03 | BUM Makaira nigricans | 1614 | A | 1 | 2 | 2 | 41,8 | 190 | | | | | | |
| 36 | 16:12 | ALV Alopias vulpinus | 1615 | A | 2 | 5 | | | | | | | | | |
| 36 | 16:16 | BSH Prionace glauca | 1616 | A | 2 | 2 | 2 | 23 | 210 | 170 | 46 | | | | |
| 36 | 16:21 | WAH Acanthocybium solandri | 1617 | A | 1 | 1 | | 14,9 | 145 | | | | | 1 | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

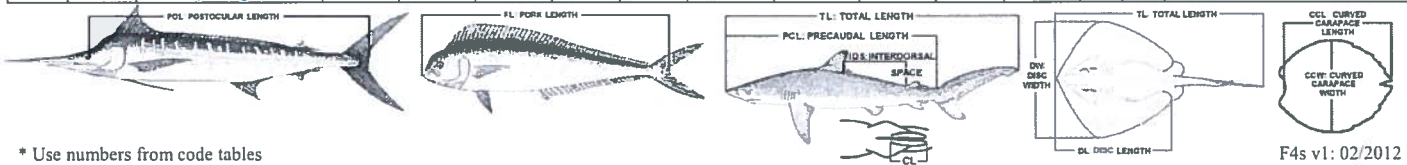
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|---------------|--------|------------|-------------|-----|-------|--------------|
| | | | | | | | | | POL-FL-TL-CCL | PCL-DL | IDS-DW-CCW | CL (cm) | CAL | SEMEN | |
| 36 | 16:25 | WAH <i>Acanthocybium solandri</i> | 1618 | A | 1 | 1 | | 14,9 | 145 | | | | | | |
| 36 | 16:27 | SWO <i>Xiphias gladius</i> | 1619 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 36 | 16:31 | SWO <i>Xiphias gladius</i> | 1620 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 36 | 16:42 | BSH <i>Prionace glauca</i> | 1621 | A | 1 | 2 | 1 | 15,6 | 185 | 150 | 34 | 13 | Y | N | |
| 36 | 16:49 | SWO <i>Xiphias gladius</i> | 1622 | A | 1 | 2 | 1 | 32,5 | 150 | | | | | | |
| 36 | 16:55 | BSH <i>Prionace glauca</i> | 1623 | A | 1 | 2 | 2 | 50,9 | 260 | 220 | 52 | | | | |
| 36 | 16:55 | BSH <i>Prionace glauca</i> | 1624 | A | 1 | 2 | 2 | 19 | 200 | 160 | 39 | | | | |
| 36 | 17:04 | SWO <i>Xiphias gladius</i> | 1625 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 36 | 17:08 | SWO <i>Xiphias gladius</i> | 1626 | A | 1 | 2 | 1 | 13,9 | 115 | | | | | | |
| 36 | 18:42 | BUM <i>Makaira nigricans</i> | 1627 | A | 2 | 2 | 2 | 41,8 | 190 | | | | | | |
| 36 | 18:46 | SWO <i>Xiphias gladius</i> | 1628 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 36 | 18:49 | SWO <i>Xiphias gladius</i> | 1629 | A | 1 | 2 | 2 | 96 | 210 | | | | | | |
| 36 | 18:51 | SWO <i>Xiphias gladius</i> | 1630 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 36 | 18:53 | SWO <i>Xiphias gladius</i> | 1631 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 36 | 18:54 | SWO <i>Xiphias gladius</i> | 1632 | A | 2 | 2 | 2 | 48,6 | 170 | | | | | | |
| 36 | 19:00 | SWO <i>Xiphias gladius</i> | 1633 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 36 | 19:16 | SSP <i>Tetrapturus angustirostris</i> | 1634 | A | 1 | 1 | | | | | | | | | |
| 36 | 19:23 | BSH <i>Prionace glauca</i> | 1635 | A | 2 | 2 | 2 | 15,6 | 180 | 150 | 40 | | | | |
| 36 | 19:44 | SWO <i>Xiphias gladius</i> | 1636 | A | 2 | 2 | 1 | 26,1 | 140 | | | | | | |
| 36 | 19:52 | BSH <i>Prionace glauca</i> | 1637 | A | 1 | 2 | 2 | 27,4 | 230 | 180 | 48 | | | | |
| 36 | 20:00 | SWO <i>Xiphias gladius</i> | 1638 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|---------------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 36 | 20:20 | BSH <i>Prionace glauca</i> | 1639 | A | 1 | 2 | 2 | 15,6 | 180 | 150 | 36 | | | | |
| 36 | 20:30 | SWO <i>Xiphias gladius</i> | 1640 | A | 2 | 2 | 2 | 12,1 | 110 | | | | | | |
| 36 | 20:43 | SWO <i>Xiphias gladius</i> | 1641 | A | 3 | 2 | 2 | 26,1 | 140 | | | | | | |
| 36 | 20:54 | ALV <i>Alopias vulpinus</i> | 1642 | A | 3 | 5 | 2 | | | | | | | | |
| 36 | 21:16 | BSH <i>Prionace glauca</i> | 1643 | A | 1 | 2 | 2 | 15,6 | 190 | 150 | 43 | | | | |
| 36 | 21:21 | BSH <i>Prionace glauca</i> | 1644 | A | 1 | 2 | 2 | 23 | 205 | 170 | 44 | | | | |
| 36 | 21:42 | SWO <i>Xiphias gladius</i> | 1645 | A | 1 | 2 | 2 | 137,9 | 235 | | | | | | |
| 36 | 22:00 | SWO <i>Xiphias gladius</i> | 1646 | A | 1 | 2 | 2 | 20,6 | 130 | | | | | | |
| 36 | 22:15 | BSH <i>Prionace glauca</i> | 1647 | A | 1 | 2 | 2 | 37,9 | 250 | 200 | 55 | | | | |
| 36 | 22:20 | SWO <i>Xiphias gladius</i> | 1648 | A | 1 | 2 | 2 | 337,7 | 310 | | | | | | |
| 37 | 9:26 | SWO <i>Xiphias gladius</i> | 1649 | A | 1 | 2 | 2 | 18,1 | 125 | | | | | | |
| 37 | 9:27 | SWO <i>Xiphias gladius</i> | 1650 | A | 1 | 2 | 1 | 10,4 | 105 | | | | | | |
| 37 | 9:44 | SWO <i>Xiphias gladius</i> | 1651 | A | 2 | 2 | 2 | 216 | 270 | | | | | | |
| 37 | 10:15 | SWO <i>Xiphias gladius</i> | 1652 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 10:17 | SWO <i>Xiphias gladius</i> | 1653 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |
| 37 | 10:19 | SWO <i>Xiphias gladius</i> | 1654 | A | 1 | 2 | 1 | 12,1 | 110 | | | | | | |
| 37 | 10:43 | SSP <i>Tetrapturus angustirostris</i> | 1655 | A | 2 | 1 | | | | | | | | | |
| 37 | 10:58 | BSH <i>Prionace glauca</i> | 1656 | A | 2 | 2 | 1 | 23 | 220 | 170 | 47 | 19 | Y | N | |
| 37 | 11:34 | SSP <i>Tetrapturus angustirostris</i> | 1657 | A | 2 | 1 | | | | | | | | | |
| 37 | 11:38 | SWO <i>Xiphias gladius</i> | 1658 | A | 1 | 2 | 1 | 23,2 | 135 | | | | | | |
| 37 | 11:54 | SWO <i>Xiphias gladius</i> | 1659 | A | 1 | 2 | 1 | 26,1 | 140 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 37 | 12:12 | SWO Xiphias gladius | 1660 | A | 1 | 2 | 1 | 40 | 160 | | | | | | |
| 37 | 12:38 | ALV Alopias vulpinus | 1661 | A | 2 | 5 | | | | | | | | | |
| 37 | 12:55 | BET Thunnus obesus | 1662 | A | 2 | 2 | 1 | 58,3 | 150 | | | | | | |
| 37 | 13:00 | SWO Xiphias gladius | 1663 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 13:04 | SWO Xiphias gladius | 1664 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 37 | 13:18 | SWO Xiphias gladius | 1665 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 37 | 13:28 | SWO Xiphias gladius | 1666 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |
| 37 | 14:00 | SWO Xiphias gladius | 1667 | A | 2 | 2 | 2 | 6,4 | 90 | | | | | | |
| 37 | 14:50 | SWO Xiphias gladius | 1668 | A | 1 | 2 | 1 | 44,2 | 165 | | | | | | |
| 37 | 14:58 | SWO Xiphias gladius | 1669 | A | 1 | 2 | 2 | 8,9 | 100 | | | | | | |
| 37 | 15:05 | BSH Prionace glauca | 1670 | A | 2 | 2 | 2 | 12,6 | 180 | 140 | 35 | | | | |
| 37 | 15:06 | BSH Prionace glauca | 1671 | A | 1 | 2 | 2 | 19 | 200 | 160 | 41 | | | | |
| 37 | 15:10 | BSH Prionace glauca | 1672 | A | 2 | 2 | 2 | 37,9 | 250 | 200 | 61 | | | | |
| 37 | 15:21 | ALV Alopias vulpinus | 1673 | A | 2 | 5 | | | | | | | | | |
| 37 | 15:23 | SWO Xiphias gladius | 1674 | A | 3 | 2 | 2 | 58,4 | 180 | | | | | | |
| 37 | 15:27 | SWO Xiphias gladius | 1675 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 37 | 15:30 | Dipturus flavirostris | 1676 | A | 2 | 5 | | | | | | | | | |
| 37 | 15:34 | SWO Xiphias gladius | 1677 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 37 | 15:37 | SWO Xiphias gladius | 1678 | A | 2 | 2 | 1 | 48,6 | 170 | | | | | | |
| 37 | 15:43 | BUM Makaira nigricans | 1679 | A | 3 | 2 | 2 | 38,3 | 185 | | | | | | |
| 37 | 15:53 | BSH Prionace glauca | 1680 | A | 1 | 2 | 2 | 27,4 | 220 | 180 | 46 | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

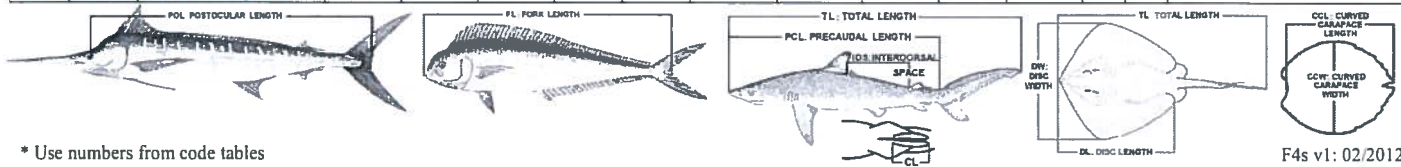
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|-----------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|---------------------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 37 | 16:16 | SWO Xiphias gladius | 1681 | A | 2 | 2 | 2 | 58,4 | 180 | | | | | | |
| 37 | 16:20 | Dipturus flavirostris | 1682 | A | 2 | 5 | | | | | | | | | |
| 37 | 16:29 | SWO Xiphias gladius | 1683 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 37 | 16:39 | SWO Xiphias gladius | 1684 | A | 2 | 2 | 1 | 13,9 | 115 | | | | | | |
| 37 | 16:47 | SWO Xiphias gladius | 1685 | A | 2 | 2 | 1 | 40 | 160 | | | | | | |
| 37 | 18:45 | SWO Xiphias gladius | 1686 | A | 1 | 2 | 1 | 58,4 | 180 | | | | | | |
| 37 | 18:52 | SWO Xiphias gladius | 1687 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 18:58 | SWO Xiphias gladius | 1688 | A | 2 | 2 | 2 | 20,6 | 130 | | | | | | |
| 37 | 19:08 | SWO Xiphias gladius | 1689 | A | 1 | 2 | 2 | 69,5 | 190 | | | | | | |
| 37 | 19:24 | SWO Xiphias gladius | 1690 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 37 | 19:30 | SWO Xiphias gladius | 1691 | A | 1 | 2 | 2 | 10,4 | 105 | | | | | | |
| 37 | 19:41 | SWO Xiphias gladius | 1692 | A | 1 | 2 | 1 | 36,1 | 155 | | | | | | |
| 37 | 20:07 | SWO Xiphias gladius | 1693 | A | 2 | 1 | | | | | | | | | |
| 37 | 20:26 | SWO Xiphias gladius | 1694 | A | 1 | 2 | 2 | 26,1 | 140 | | | | | | |
| 37 | 20:31 | SWO Xiphias gladius | 1695 | A | 2 | 2 | 1 | 32,5 | 150 | | | | | | |
| 37 | 20:44 | BSH Prionace glauca | 1696 | A | 2 | 2 | 2 | 19 | 210 | 160 | 40 | | | | |
| 37 | 21:15 | SWO Xiphias gladius | 1697 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 37 | 21:25 | SWO Xiphias gladius | 1698 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 37 | 22:19 | SWO Xiphias gladius | 1699 | A | 1 | 2 | 2 | 12,1 | 110 | | | | | | |
| 37 | 22:39 | SWO Xiphias gladius | 1700 | A | 2 | 3 | 1 | | | | | | | | Sem rabo comido pela orca |
| 37 | 22:46 | SWO Xiphias gladius | 1701 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

CATCH FORM

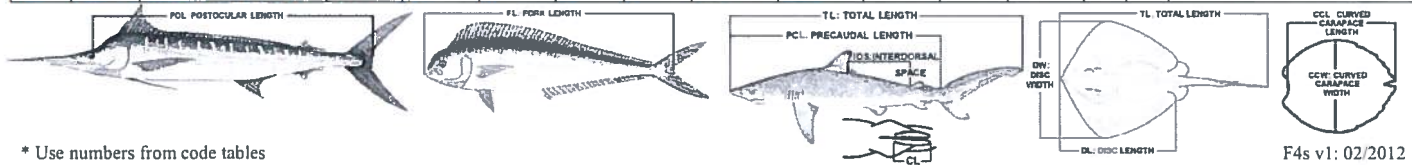
F4

VESSEL: Balueiro - CUIB 8

SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|-------|----------------------------|---------------|---------------|--------------------|------------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 37 | 23:26 | SWO Xiphias gladius | 1702 | A | 1 | 2 | 2 | 82 | 200 | | | | | | |
| 37 | 23:27 | WAH Acanthocybium solandri | 1703 | A | 2 | 3 | 2 | 16,4 | 150 | | | | | | |
| 37 | 23:40 | SWO Xiphias gladius | 1704 | A | 2 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 23:49 | SWO Xiphias gladius | 1705 | A | 1 | 2 | 1 | 82 | 200 | | | | | | |
| 37 | 1:05 | SWO Xiphias gladius | 1706 | A | 1 | 2 | 1 | 69,5 | 190 | | | | | | |
| 37 | 1:11 | SWO Xiphias gladius | 1707 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 1:25 | SWO Xiphias gladius | 1708 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |
| 37 | 1:27 | BSH Prionace glauca | 1709 | A | 2 | 2 | 2 | 19 | 195 | 160 | 39 | | | | |
| 37 | 1:31 | BSH Prionace glauca | 1710 | A | 1 | 2 | 2 | 37,9 | 250 | 200 | 50 | | | | |
| 37 | 1:39 | BSH Prionace glauca | 1711 | A | 1 | 2 | 2 | 10 | 165 | 130 | 34 | | | | |
| 37 | 1:44 | BSH Prionace glauca | 1712 | A | 2 | 2 | 2 | 10 | 165 | 130 | 34 | | | | |
| 37 | 2:03 | SWO Xiphias gladius | 1713 | A | 1 | 2 | 1 | 15,9 | 120 | | | | | | |
| 37 | 2:08 | BSH Prionace glauca | 1714 | A | 1 | 2 | 2 | 27,4 | 220 | 180 | 43 | | | | |
| 37 | 2:22 | BSH Prionace glauca | 1715 | A | 1 | 2 | 2 | 19 | 195 | 160 | 35 | | | | |
| 37 | 2:29 | BSH Prionace glauca | 1716 | A | 1 | 2 | 1 | 27,4 | 240 | 180 | 49 | 22 | Y | N | |
| 37 | 3:00 | BSH Prionace glauca | 1717 | A | 1 | 2 | 2 | 27,4 | 215 | 180 | 49 | | | | |
| 37 | 3:14 | BSH Prionace glauca | 1718 | A | 1 | 2 | 2 | 44,1 | 250 | 210 | 53 | | | | |
| 37 | 3:17 | SWO Xiphias gladius | 1719 | A | 1 | 2 | 1 | 29,2 | 145 | | | | | | |
| 37 | 3:21 | BSH Prionace glauca | 1720 | A | 1 | 2 | 2 | 15,6 | 190 | 150 | 46 | | | | |
| 37 | 3:28 | SWO Xiphias gladius | 1721 | A | 1 | 2 | 2 | 53,3 | 175 | | | | | | |
| 37 | 3:34 | SWO Xiphias gladius | 1722 | A | 1 | 2 | 2 | 32,5 | 150 | | | | | | |



* Use numbers from code tables

F4s v1: 02/2012

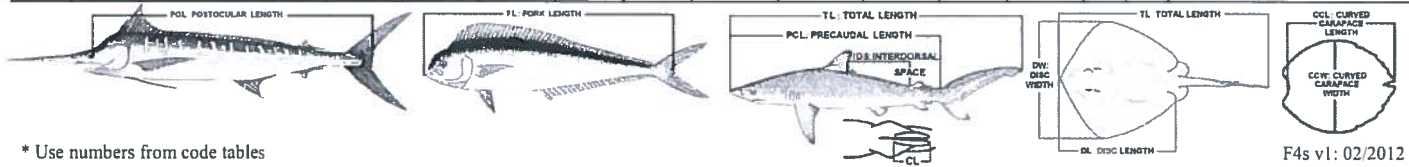
CATCH FORM

F4

VESSEL: Balueiro - CUIB 8
SAMPLE No: _____

OBSERVER: Silvestre Ramos Natário

| Set No. | Time | Species name | Number caught | Hook A B C | Hook location * | Disposition * | Sex M=1 F=2 | Weight (kg) | LENGTHS (cm) | | | Male sharks | | | Observations |
|---------|------|------------------------------|---------------|---------------|-----------------|---------------|-------------------|-------------|-------------------|------------|--------------------|-------------|-------------|-----------------------|--------------|
| | | | | | | | | | POL-FL- TL-CCL | PCL- DL | IDS- DW- CCW | CL (cm) | C A L | S E M E N | |
| 37 | 3:50 | BSH <i>Prionace glauca</i> | 1723 | A | 1 | 2 | 1 | 37,9 | 250 | 200 | 57 | 19 | Y | N | |
| 37 | 3:55 | SWO <i>Xiphias gladius</i> | 1724 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 4:06 | SWO <i>Xiphias gladius</i> | 1725 | A | 1 | 2 | 1 | 20,6 | 130 | | | | | | |
| 37 | 4:14 | SWO <i>Xiphias gladius</i> | 1726 | A | 2 | 2 | 1 | 36,1 | 155 | | | | | | |
| 37 | 4:28 | SWO <i>Xiphias gladius</i> | 1727 | A | 2 | 2 | 2 | 8,9 | 100 | | | | | | |
| 37 | 4:34 | SWO <i>Xiphias gladius</i> | 1728 | A | 2 | 2 | 1 | 8,9 | 100 | | | | | | |
| 37 | 4:50 | SWO <i>Xiphias gladius</i> | 1729 | A | 2 | 2 | 1 | 15,9 | 120 | | | | | | |
| 37 | 4:53 | SWO <i>Xiphias gladius</i> | 1730 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 37 | 5:07 | BSH <i>Prionace glauca</i> | 1731 | A | 1 | 2 | 2 | 25,1 | 205 | 175 | 44 | | | | |
| 37 | 5:16 | BSH <i>Prionace glauca</i> | 1732 | A | 1 | 2 | 2 | 37,9 | 250 | 200 | 48 | | | | |
| 37 | 5:21 | SWO <i>Xiphias gladius</i> | 1733 | A | 2 | 2 | 2 | 12,1 | 110 | | | | | | |
| 37 | 5:30 | SWO <i>Xiphias gladius</i> | 1734 | A | 1 | 2 | 2 | 15,9 | 120 | | | | | | |
| 37 | 5:50 | SWO <i>Xiphias gladius</i> | 1735 | A | 1 | 2 | 1 | 8,9 | 100 | | | | | | |
| 37 | 5:55 | BSH <i>Prionace glauca</i> | 1736 | A | 1 | 2 | 2 | 23 | 220 | 170 | 46 | | | | |
| 37 | 6:04 | SWO <i>Xiphias gladius</i> | 1737 | A | 1 | 2 | 2 | 40 | 160 | | | | | | |
| 37 | 6:06 | SMA <i>Isurus oxyrinchus</i> | 1738 | A | 1 | 2 | 1 | 26 | 160 | 150 | 50 | 19 | Y | N | |
| 37 | 6:15 | BSH <i>Prionace glauca</i> | 1739 | A | 1 | 2 | 2 | 15,6 | 180 | 150 | 40 | | | | |
| 37 | 6:16 | BSH <i>Prionace glauca</i> | 1740 | A | 1 | 2 | 2 | 23 | 190 | 170 | 37 | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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* Use numbers from code tables

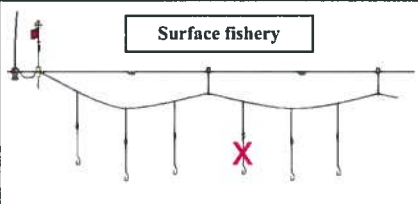
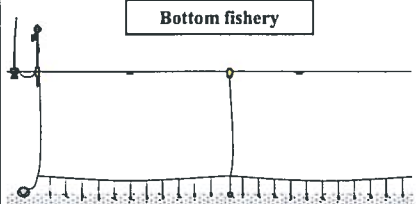
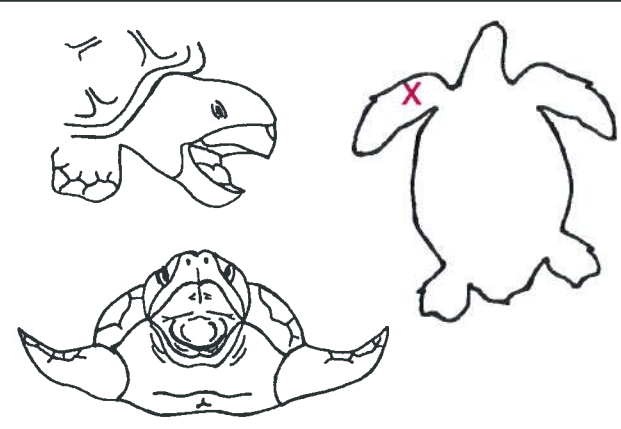

F4s v1: 02/2012

TURTLE FORM

F5

(Record turtle sightings only for hawksbill, loggerhead and leatherback turtles)

VESSEL: Balueiro CUIB8 **SAMPLE No:** **OBSERVER:** Silvestre Ramos Natário

| Date | Time | Set number | Species | Sex | CCL ¹ (cm) | CCW ² (cm) | Tail LTC (cm) | Hook A B C | Color of the nearest float or buoy* | | |
|--|-------|--------------------------|----------------------|---|--------------------------|--------------------------|------------------|--|--|-----------------|--|
| 25-12-2016 | 22:33 | 17 | Dermochelys coriacea | - | - | - | - | J-Straight | RED- 4 | | |
| Position: | | Latitude | 18°44' | Longitude | 99°25' | | | | | | |
| Condition *() | | Entanglement *() | | Hooking *() | | Disposition*() | | Observations: | | | |
| 5 | | 1 | | - | | - | | Released as soon as the cable was pulled | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Turtle location in relation to the fishing gear | | | | Hook location and turtle entanglement | | | | | | | |
|  <p style="text-align: center;">Surface fishery</p>  <p style="text-align: center;">Bottom fishery</p> | | | |  | | | | | | Existing tag 1: | |
| | | | | | | | | | | Existing tag 2: | |
| | | | | | | | | | | New tag 1: | |
| | | | | | | | | | | New tag 2: | |
| | | | |  | | | | | | | |
| | | | | | | | | | | | |

¹CCL: Curved carapace length ²CCW: Curved carapace width

* Use numbers from code tables

F5s v1: 02/2012