

ICCAT

Observer Report



Trip Number:	229
Vessel Name:	SHOTA MARU
ICCAT Ref. No.	AT000LBR00022
Observer Name:	A.T. Dimitrov
Cruise Dates:	From: 10/01/2019 To: 10/03/2019

1 Cruise Summary

In accordance with the bilateral agreement between Toei Reefer Ltd and the consortium of MRAG and CAPFISH, A.T. Dimitrov (ROP No.117) joined the Liberian registered Carrier Vessel (CV) Shota Maru (RFMO No.AT000LBR00022) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 10/01/2019 to 10/03 2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSPLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSPLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Shota Maru	Call sign:	D5KN7
Port of registration:	Monrovia	Flag State:	Liberia
Owner:	Panama TRL S.A	Charterer:	Toei Reefer Line Ltd.
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	4.845.8m ³
Size (GRT):	3.936t.	Length (LOA):	100.98m.
On-board acoustic equipment:	JRC:JFE-570S		
Position fixing equipment:	JRC:JLR-6800 Navigator, JRC:NWZ-4740 Navigator, JRC:JHS-182 Automatic Identification System (AIS)		
Vessel monitoring system (present/absent):	Present: Argos (CLS) Thorium TST-100, Argos (CLS) Leo, JRC: JUE-95 LT Inmarsat C		
Radar:	JRC:JMA-7252-6, TOKYO KEIKI: BR-3200-X26M		
Communications equipment:	ICOM: SS Band JRC: VHF-JHS-32A x 2, JRC: NCU-331D GMDSS Communication Console, E-mail, Sat. Telephone		
Plotters:	Manual Charters		
Tuna products already on board (Quantity)	1893.763t.		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, South Africa
Date of embarkation	10/01/2019
Method of embarkation*	In port.
Date of departure	10/01/2019
Date of first transshipment	16/01/2019
Date of last transshipment	02/03/2019
Date of return	10/03/2019
Date of disembarkation	10/03/2019
Method of disembarkation*	In port.
Port of return	Cape Town, South Africa

4 Carrier Vessel Activities Summary

Logistics & Areas of Activity

The carrier vessel made a total of 29 transshipments of fish at sea. The locations are shown in detail in

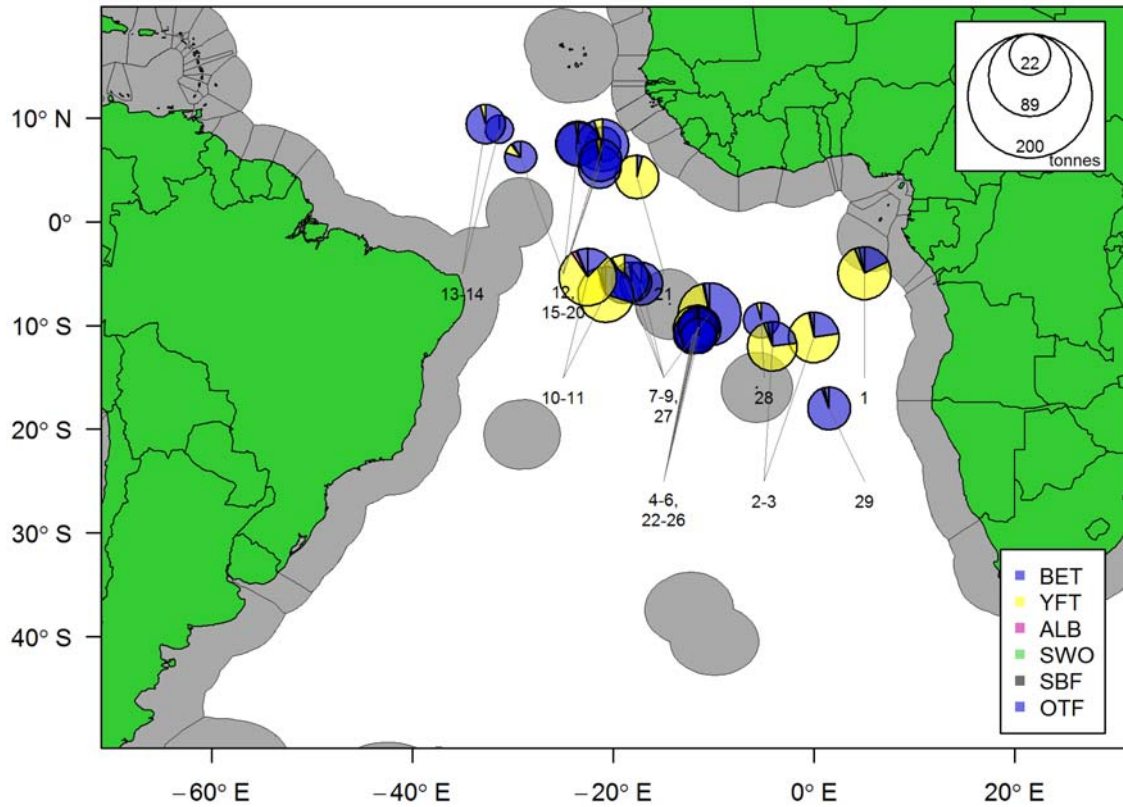


Figure 1 and the numbers received by nationality of vessel are given in Table 1.

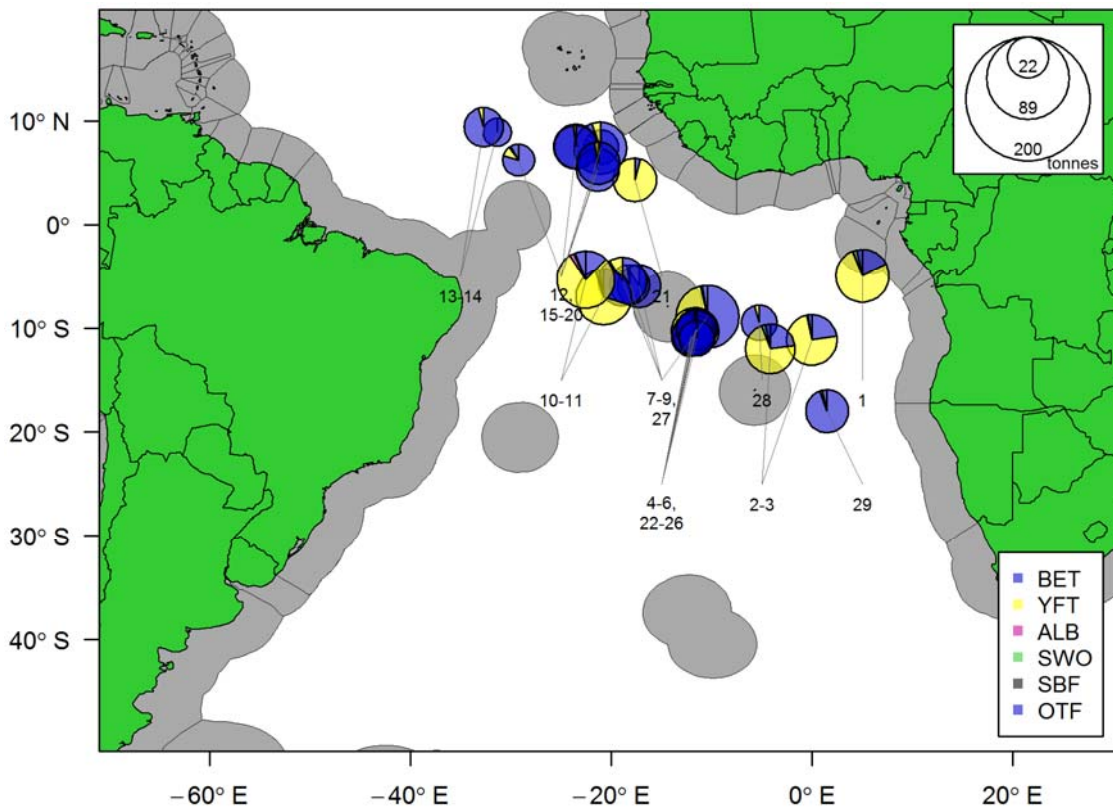


Figure 1 Location of transshipments.

Table 1 Transshipments made by nationality

Nationality	Transshipments made
XXX	16
XXX	11
XXX	1
XXX	1

Comments: CV conducted an additional of 12 non-ROP transshipments, of which 10 was to supply fuel, bait dry cargo and frozen food and 2 transshipments of fish were conducted in port St Vincent, Cape Verde. A summary of this activity is provided in Table 10.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Tranship-ment time	% Observed
1				Yes	16/01/19	04°56.825 S	005°00.2 E	02:40	100%
2				Yes	18/01/19	11°08.358 S	000°02.501 W	01:20	100%
3				Yes	19/01/19	11°59.646 S	004°10.626 W	01:35	100%
4				Yes	21/01/19	10°18.349 S	011°39.883 W	02:40	100%
5				Yes	22/01/19	10°54.296 S	012°00.051 W	02:45	100%
6				Yes	22/01/19	10°50.69 S	012°03.231 W	03:10	100%
7				Yes	25/01/19	05°57.295 S	017°13.495 W	02:45	100%
8				Yes	26/01/19	05°48.649 S	018°11.021 W	02:35	100%
9				Yes	27/01/19	05°30.664 S	018°53.66 W	01:20	100%
10				Yes	28/01/19	06°59.395 S	020°44.723 W	01:30	100%
11				Yes	29/01/19	05°19.327 S	022°33.051 W	01:25	100%
12				Yes	05/02/19	06°13.84 N	029°13.887 W	02:20	100%
13				Yes	06/02/19	08°54.661 N	031°21.273 W	02:10	100%
14				Yes	07/02/19	09°24.56 N	032°41.89 W	02:35	100%
15				Yes	14/02/19	07°30.564 N	023°31.352 W	04:45	100%
16				Yes	15/02/19	07°31.518 N	023°31 W	03:10	100%
17				Yes	16/02/19	07°28.509 N	021°00.055 W	04:20	100%
18				Yes	17/02/19	07°22.583 N	021°05.613 W	03:00	100%
19				Yes	18/02/19	05°55.705 N	021°16.186 W	02:50	100%
20				Yes	19/02/19	05°17.192 N	021°20.576 W	03:10	100%
21				Yes	20/02/19	04°19.254 N	017°39.338 W	02:05	100%
22				Yes	24/02/19	10°09.757 S	011°29.832 W	01:40	100%
23				Yes	24/02/19	10°08.391 S	011°30.879 W	01:50	100%
24				Yes	24/02/19	10°07.678 S	011°32.268 W	02:00	100%
25				Yes	25/02/19	10°39.532 S	011°50.266 W	01:10	100%
26				Yes	25/02/19	10°59.235 S	011°30.174 W	02:00	100%
27				Yes	26/02/19	08°54.566 S	010°25.526 W	02:10	100%

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
28				Yes	27/02/19	09°28.955 S	005°16.773 W	01:30	100%
29				Yes	02/03/19	17°58.93 S	001°29.393 E	02:20	100%

Comments: All transhipments were observed for the full duration and no problems were experienced.

Table 3 Summary of vessel / observer estimated figures

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	1.87	1.859	47.705	46.245	0	0	0	0	49.575	48.104	-1.47	-3.06%
2	20.368	20.42	2.7	2.703	0.451	0.453	2.4	2.17	25.919	25.746	-0.17	-0.67%
3	25.872	25.139	1.65	1.575	1.135	1.115	3.059	2.675	31.716	30.504	-1.21	-3.97%
4	50.46	50.522	0.646	0.638	0	0	0	0	51.106	51.16	0.05	0.11%
5	70.29	66.356	3.696	3.673	0	0	0	0	73.986	70.029	-3.96	-5.65%
6	46.74	46.18	1.026	1.018	0	0	0	0	47.766	47.198	-0.57	-1.20%
7	46.002	45.45	1.035	1.033	0	0	0	0	47.037	46.483	-0.55	-1.19%
8	43.958	44.308	1.596	1.588	0	0	0	0	45.554	45.896	0.34	0.75%
9	20.097	20.1	0.032	0	0	0	0	0	20.129	20.1	-0.03	-0.14%
10	37.563	37.271	1.806	1.787	0	0	0	0	39.369	39.058	-0.31	-0.80%
11	30.688	30.526	1.35	1.357	0	0	0	0	32.038	31.883	-0.15	-0.49%
12	42.692	42.605	4.272	4.251	0	0	0	0	46.964	46.856	-0.11	-0.23%
13	37.24	37.094	3.055	3.089	1.386	0.846	0	0	41.681	41.029	-0.65	-1.59%
14	55.86	55.04	5.32	5.33	0	0	0	0	61.18	60.37	-0.81	-1.34%
15	60.9	64.245	35.25	32.806	0.724	0.728	2.849	2.856	99.723	100.635	0.91	0.91%
16	23.954	23.765	51.45	51.535	1.552	1.554	2.467	2.468	79.423	79.322	-0.10	-0.13%
17	10.512	10.541	66.65	66.023	0.68	0.677	7.22	7.16	85.062	84.401	-0.66	-0.78%
18	12.72	12.671	54.06	54.482	1.856	1.856	2.948	2.609	71.584	71.618	0.03	0.05%
19	14.112	14.678	48.3	48.15	0.63	0.63	1.542	1.542	64.584	65	0.42	0.64%
20	13.978	14.242	44.574	44.509	1.59	1.548	2.126	2.125	62.268	62.424	0.16	0.25%
21	8.635	8.533	44.541	44.77	0.84	0.843	3.054	2.97	57.07	57.116	0.05	0.08%
22	29.892	29.983	0.306	0.307	0	0	0	0	30.198	30.29	0.09	0.30%
23	38.016	38.132	0.294	0.297	0	0	0	0	38.31	38.429	0.12	0.31%
24	37.196	37.015	0.09	0.091	0	0	0	0	37.286	37.106	-0.18	-0.49%

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
25	33.046	33.397	0.1	0.1	0	0	0	0	33.146	33.497	0.35	1.05%
26	44.387	44.5	0.45	0.45	0	0	0	0	44.837	44.95	0.11	0.25%
27	41.844	42.478	0.531	0.532	0	0	0	0	42.375	43.01	0.64	1.48%
28	32.736	31.612	0.045	0.045	0	0	0	0	32.781	31.657	-1.12	-3.55%
29	44.03	43.813	0.15	0.151	0.802	0.797	2.996	1.762	47.978	46.523	-1.45	-3.13%

Comments: Total amount of fish declared was 1430.394 tonnes and the total amount of fish transhipped estimated by observer was 1440.645 tonnes.

6 Species and weight transferred

The carrier vessel contained 209.761 tons of tuna, tuna-like species and other species when the observer boarded. The total declared weight of all species transferred during the trip is shown in **Error! Reference source not found.**, a breakdown by transshipment is shown in **Error! Reference source not found.**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight (t)	%	Weight (t)	%
Albacore	<i>Thunnus alalunga</i>	N	0.83	0.06%	0.83	0.06%
Albacore	<i>Thunnus alalunga</i>	S	2.10	0.15%	2.00	0.14%
Atlantic blue marlin	<i>Makaira nigricans</i>	N	9.60	0.67%	11.30	0.79%
Atlantic blue marlin	<i>Makaira nigricans</i>	S	5.80	0.40%	5.80	0.41%
Atlantic sailfish	<i>Istiophorus albicans</i>	All	0.00	0.00%	4.34	0.30%
Atlantic sailfish	<i>Istiophorus albicans</i>	N	0.00	0.00%	0.54	0.04%
Bigeye tuna	<i>Thunnus obesus</i>	All	975.66	67.72%	972.48	67.99%
Black marlin	<i>Makaira indica</i>	N	0.00	0.00%	0.15	0.01%
Marlins, sailfishes, etc.	<i>Istiophoridae</i>	N	3.14	0.22%	0.00	0.00%
Mixed Tunas		All	0.35	0.02%	0.00	0.00%
Opah	<i>Lampris guttatus</i>	All	0.00	0.00%	0.19	0.01%
Opah	<i>Lampris guttatus</i>	NE	0.00	0.00%	0.17	0.01%
Other fish Unclassified		All	6.49	0.45%	0.09	0.01%
Other fish Unclassified		NE	0.85	0.06%	0.00	0.00%
Other fish Unclassified		S	1.06	0.07%	0.81	0.06%
Striped marlin	<i>Tetrapturus audax</i>	N	0.08	0.01%	0.08	0.01%
Swordfish	<i>Xiphias gladius</i>	All	0.21	0.01%	0.00	0.00%
Swordfish	<i>Xiphias gladius</i>	N	9.05	0.63%	8.65	0.60%
Swordfish	<i>Xiphias gladius</i>	S	2.39	0.17%	2.40	0.17%
Wahoo	<i>Acanthocybium solandri</i>	All	0.37	0.03%	2.00	0.14%
Wahoo	<i>Acanthocybium solandri</i>	NE	0.00	0.00%	0.23	0.02%
Yellowfin tuna	<i>Thunnus albacares</i>	All	422.68	29.34%	418.54	29.26%

Comments: The main species transhipped during the trip were bigeye tuna (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacares*). Swordfish (*Xiphias gladius*), Billfish (marlins, sailfishes, etc. nei. [*Istiophoridae*]), albacore (*Thunnus alalunga*), other fish including opah (*Lampris guttatus*), wahoo (*Acanthocybium solandri*), bags with fish roe, fish bowel and tuna fillets were transhipped in small amounts.

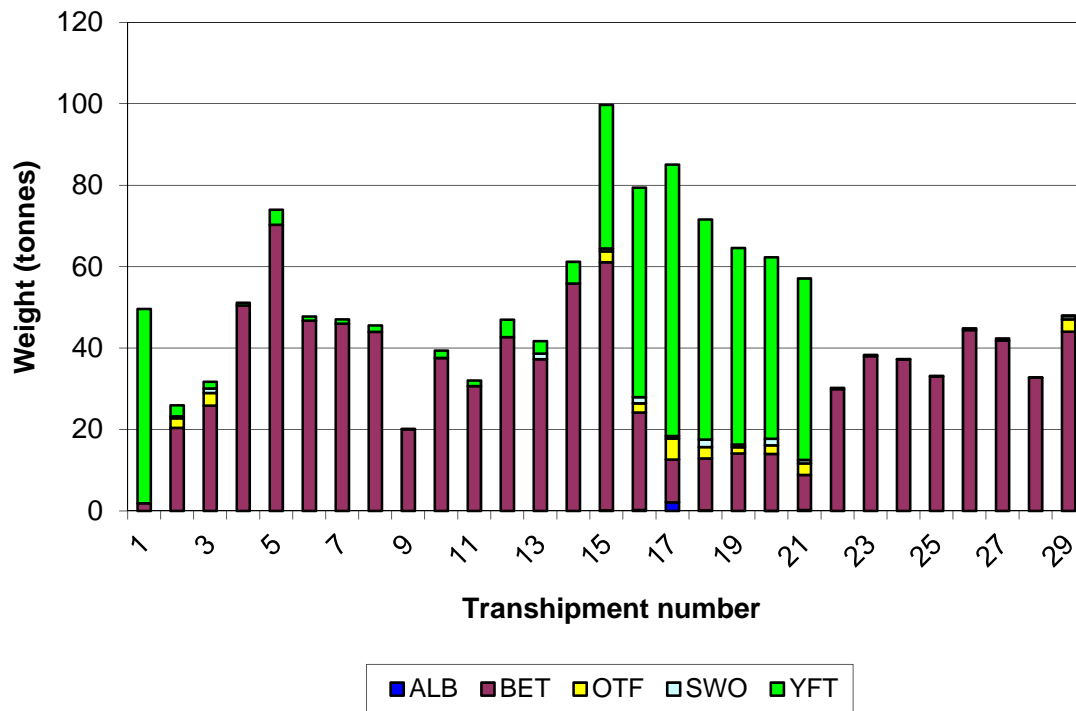


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	16.47
Atlantic blue marlin	<i>Makaira nigricans</i>	104.05
Bigeye tuna	<i>Thunnus obesus</i>	58.97
Marlins, sailfishes, etc. nei	<i>Istiophoridae</i>	27.27
Mixed Tunas		14.00
Other fish Unclassified		14.20
Striped marlin	<i>Tetrapturus audax</i>	26.00
Swordfish	<i>Xiphias gladius</i>	62.95
Wahoo	<i>Acanthocybium solandri</i>	11.00
Yellowfin tuna	<i>Thunnus albacares</i>	45.78

Comments: The average weight for each species of each transshipment was calculated by dividing the declared weight by the declared number for the respective species. The data was provided by the LSPLV.

7 Southern bluefin tuna transshipments

No southern bluefin tuna was transhipped during this voyage.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 6 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Yes	16/01/19	Yes	Yes	Yes	Yes	Yes	31/01/19	Yes	Yes	Yes	Yes	Yes	PB	15/01/19
2			Yes	18/01/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	17/01/19
3			Yes	19/01/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	18/01/19
4			Yes	21/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	20/01/19
5			Yes	22/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	22/01/19
6			Yes	22/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	22/01/19
7			Yes	25/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	25/01/19
8			Yes	26/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	25/01/19
9			Yes	27/01/19	Yes	Yes	Yes	Yes	Yes	16/07/19	Yes	Yes	Yes	Yes	Yes	PB	27/01/19
10			Yes	28/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	27/01/19
11			Yes	29/01/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/01/19
12			Yes	05/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	04/02/19
13			Yes	06/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	06/02/19
14			Yes	07/02/19	Yes	Yes	Yes	Yes	Yes	31/01/20	Yes	Yes	Yes	Yes	Yes	PB	06/02/19
15			Yes	14/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	13/02/19
16			Yes	15/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	13/02/19
17			Yes	16/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	15/02/19
18			Yes	17/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	16/02/19
19			Yes	18/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	17/02/19
20			Yes	19/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	18/02/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
21			Yes	20/02/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	19/02/19
22			Yes	24/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	23/04/19
23			Yes	24/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	22/02/19
24			Yes	24/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	23/02/19
25			Yes	25/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	25/02/19
26			Yes	25/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	23/02/19
27			Yes	26/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	24/02/19
28			Yes	27/02/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	27/02/19
29			Yes	02/03/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	01/02/19

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Comments: All LSPLVs were boarded and inspected by observer before each transhipment.

Table 7 **Comments on LSPLV checks**

No	Comments
1	The LSPLV produced an ATF which was from XXX, which was not the flag state of the ship. The LSTLV did have an Authorisation to tranship on board and also produced the certificate of registry, indicating the ship was flagged by XXX.
	Figure 3 ATF provided during the on board check of the XXX

11 The LSPLV appeared to be spilling some form of oil in to the sea. The oil was clearly visible on the surface during the transshipment.

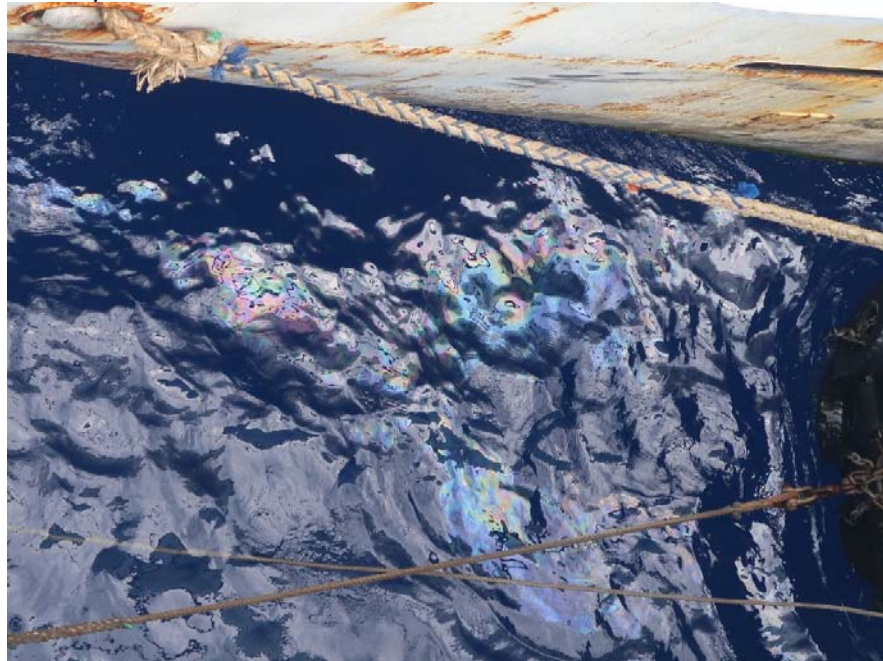


Figure 4 Oil spillage visible during transshipment 17

18 The observer noted a small amount of oil on the surface of the water around the LSPLV.



Figure 5 Oil on surface during transshipment 18

No Potential Non Compliance (PNC) reports were issued during the voyage.

Table 8 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
N/A	N/A	N/A	N/A	N/A	N/A	N/A

9 Other Observer Tasks.

CV waste disposal

All waste such as cans, glass, plastic bottles, nylon, cardboard boxes, paper, and other packaging materials was retained on board for discarding on shore. Only food waste was discarded at sea. No incineration was permitted on board.

Unidentified or IUU vessels

On 27/01/2019 a purse seiner was observed in the area, searching for fish. The AIS was not reflected on the CV AIS system and could not be identified. The local (Ship) time was 17:45, and the vessel position was determined as 05.21.44S / 019.08.44W, bearing 277°.



Figure 6 Unidentified purse seiner (left) reflected on the radar (right)

Marine mammals.

A small group of unidentified dolphins were observed during the transshipment from the No.10: XXX

Table 9 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
28/01/19	06:18	6.59S	20.45W	Unidentified Dolphins	In group of 5 or 6 .	Searching.



Figure 7 Unidentified dolphins which was sighted.

10 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Appendix 1

Table 60 Non ROP Transhipments

No	Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
1			24/01/2019	3.24S	11.06W	Freon gas and dry cargo.	Yes
2			31/01/2019	4.00S	22.30W	Dry cargo, frozen food.	Yes
3			31/01/2019	3.59S	22.30W	Dry cargo, frozen food, bait.	Yes
4			01/02/2019	4.53N	20.55W	Fuel 130t., dry cargo, change 1 crew.	Yes
5			01/02/2019	4.49N	20.56W	Fuel 130t., 50t. bait, dry cargo.	Yes
6			02/02/2019	5.00N	20.20W	Fuel 60t., 6t. Bait and dry cargo.	Yes
7			03/02/2019	6.59N	22.01W	Dry cargo.	Yes
8			10/02/2019	16.54N	25.00W	Transhipment in Porto Grande St Vincent, Cape Verde 64.186t.	Yes
9			11/02/2019	16.54N	25.00W	Transhipment in Porto Grande St Vincent, Cape Verde 51.997t.	Yes
10			15/02/2019	7.31N	23.31W	3900 bait boxes.	Yes
11			22/02/2019	4.26N	14.25W	3000 bait boxes.	Yes
12			24/01/2019	11.26S	0.04W	Fuel 60t.	Yes

ICCAT

Observer Report



Trip Number:	230/19
Vessel Name:	CHIKUMA
ICCAT Ref. No.	AT000LBR00003
Observer Name:	RICARDO SILVA
Cruise Dates:	From: 08/02/2019 To: 21/04/2019

1 Cruise Summary

In accordance with the bilateral agreement between MRS CORPORATION and MRAG Ltd., Ricardo Silva (observer no.114) joined the Liberia registered Carrier Vessel (CV) CHIKUMA (ICCAT no. AT000LBR00003) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 08/02/2019 to 21/04/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSPLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSPLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	CHIKUMA	Call sign:	D5JI4
Port of registration:	MONROVIA	Flag State:	LIBERIA
Owner:	OCEANWIDE SHIPPING S.A.	Charterer:	MRS CORPORATION
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	3.945,44 m ³
Size (GRT):	6,558 tonnes	Length (LOA):	134,15 m
Vessel monitoring system (present/absent):	Present		
Tuna products already on board (Quantity)	0		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Balboa
Date of embarkation	08/02/2019
Method of embarkation*	Transfer vessel in port
Date of departure	08/02/2019
Date of first transshipment	20/02/2019
Date of last transshipment	12/04/2019
Date of return	21/04/2019
Date of disembarkation	21/04/2019
Method of disembarkation*	Transfer vessel in port
Port of return	Cristobal

*(portside, transfer vessel in port, transfer vessel offshore)

4 Carrier Vessel Activities Summary

1.1 Logistics & Areas of Activity

The vessel made a total of 60 transshipments at sea, the locations are shown in detail in

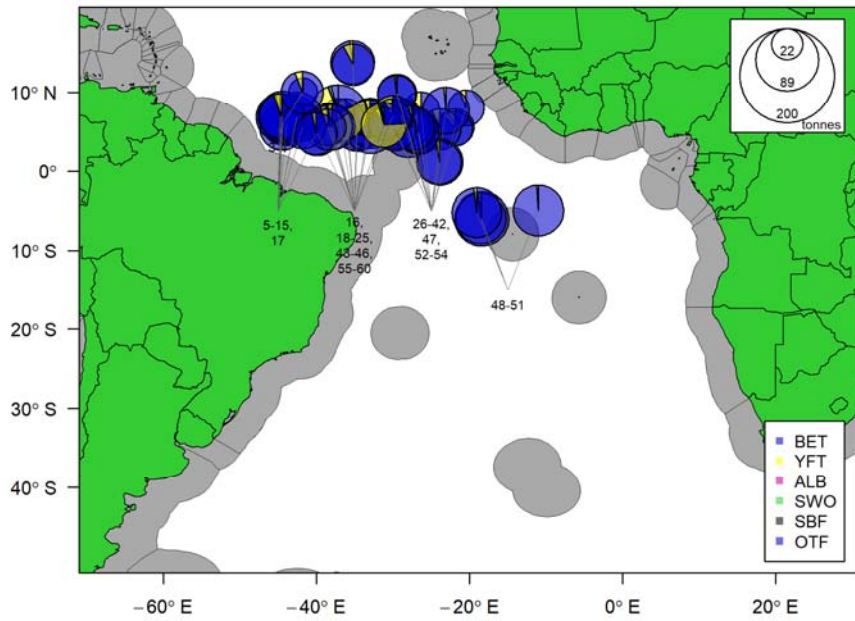


Figure 1, the numbers received by nationality of vessel are given in Table 1.

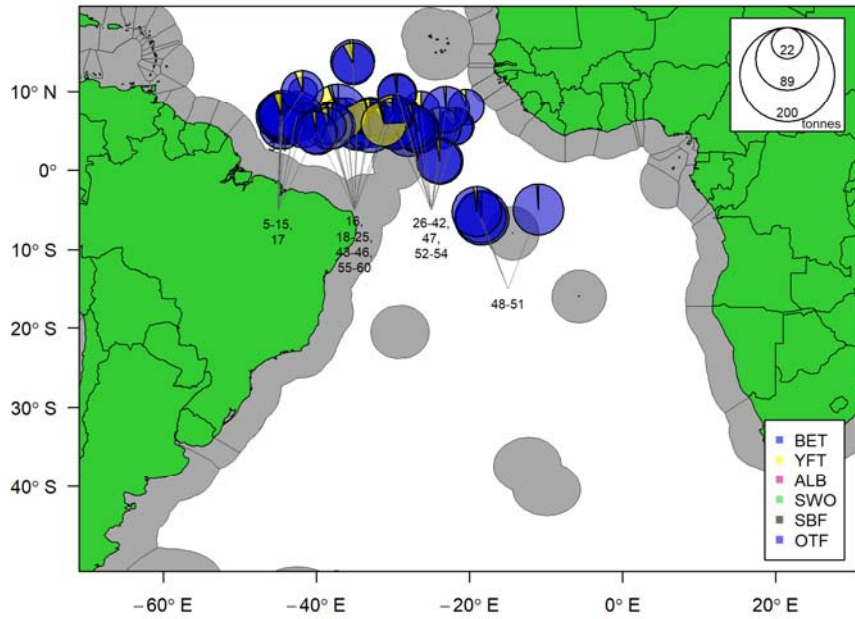


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	1
XXX	24
XXX	19
XXX	2
XXX	11
XXX	3

Comments:

In addition 19 Non ROP transhipments were performed (Table 12).

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Checked	Date	Latitude	Longitude	Transshipment time	% Observed
1				Yes	20/02/2019	13°48,022 N	035°17,345 W	02:05	100
2				Yes	21/02/2019	13°31,353 N	035°12,936 W	05:40	100
3				Yes	23/02/2019	10°01,231 N	041°44,174 W	02:10	100
4				Yes	23/02/2019	10°00,13 N	041°51,302 W	02:35	100
5				Yes	24/02/2019	06°51,058 N	042°31,18 W	02:25	100
6				Yes	24/02/2019	06°46,996 N	042°36,934 W	02:50	100
7				Yes	25/02/2019	05°56,917 N	043°54,747 W	03:00	100
8				Yes	26/02/2019	06°02,84 N	044°20,786 W	01:30	100
9				Yes	26/02/2019	05°28,249 N	044°28,788 W	02:05	100
10				Yes	26/02/2019	05°54,502 N	044°37,814 W	02:35	100
11				Yes	27/02/2019	07°23,257 N	044°25,645 W	04:20	100
12				Yes	28/02/2019	06°56,719 N	044°40,797 W	04:50	100
13				Yes	28/02/2019	06°48,562 N	044°50,42 W	05:10	100
14				Yes	01/03/2019	06°57,76 N	044°32,197 W	04:50	100
15				Yes	02/03/2019	05°42,004 N	041°45,594 W	02:25	100
16				Yes	03/03/2019	04°49,451 N	039°52,673 W	02:10	100
17				Yes	03/03/2019	04°44,642 N	040°04,219 W	02:15	100
18				Yes	05/03/2019	05°28,94 N	034°39,559 W	02:35	100
19				Yes	05/03/2019	05°17,915 N	034°47,787 W	02:25	100
20				Yes	06/03/2019	05°28,408 N	032°52,195 W	03:30	100
21				Yes	06/03/2019	05°21,882 N	032°56,84 W	03:30	100
22				Yes	07/03/2019	06°45,814 N	033°00,304 W	04:25	100
23				Yes	07/03/2019	06°43,786 N	033°02,516 W	03:35	100
24				Yes	08/03/2019	07°01,018 N	036°02,809 W	03:50	100
25				Yes	08/03/2019	06°53,812 N	036°10,417 W	02:10	100
26				Yes	11/03/2019	07°41,78 N	026°19,148 W	03:50	100
27				Yes	12/03/2019	05°04,334 N	027°57,824 W	02:00	100
28				Yes	12/03/2019	05°01,203 N	028°00,578 W	03:25	100
29				Yes	13/03/2019	04°52,609 N	026°37,229 W	00:40	100
30				Yes	13/03/2019	04°50,65 N	026°38,266 W	01:55	100
31				Yes	13/03/2019	04°47,832 N	026°39,977 W	02:05	100
32				Yes	14/03/2019	05°31,226 N	027°29,605 W	01:25	100

No	Name	RFMO No	Flag	Checked	Date	Latitude	Longitude	Transshipment time	% Observed
33				Yes	14/03/2019	05°28,87 N	027°30,965 W	02:00	100
34				Yes	15/03/2019	07°41,488 N	023°05,248 W	01:30	100
35				Yes	16/03/2019	07°59,708 N	020°27,32 W	01:30	100
36				Yes	17/03/2019	05°34,017 N	021°50,712 W	04:50	100
37				Yes	18/03/2019	05°22,625 N	021°54,577 W	03:30	100
38				Yes	19/03/2019	05°18,656 N	023°50,525 W	03:25	100
39				Yes	20/03/2019	07°00,204 N	028°41,751 W	03:45	100
40				Yes	21/03/2019	07°01,226 N	028°58,824 W	02:20	100
41				Yes	22/03/2019	09°49,576 N	029°27,516 W	04:45	100
42				Yes	22/03/2019	09°44,62 N	029°30,585 W	02:55	100
43				Yes	23/03/2019	07°00,111 N	030°00,613 W	02:35	100
44				Yes	23/03/2019	06°45,242 N	030°07,664 W	02:40	100
45				Yes	24/03/2019	05°59,736 N	031°08,933 W	03:20	100
46				Yes	24/03/2019	05°50,824 N	031°12,614 W	02:40	100
47				Yes	25/03/2019	05°19,453 N	029°48,335 W	05:15	100
48				Yes	29/03/2019	05°13,463 S	019°03,247 W	03:40	100
49				Yes	02/04/2019	04°57,486 S	011°00,677 W	03:50	100
50				Yes	04/04/2019	06°00,267 S	018°24,535 W	02:40	100
51				Yes	04/04/2019	05°58,418 S	018°30,938 W	03:40	100
52				Yes	06/04/2019	01°07,909 N	023°53,024 W	02:40	100
53				Yes	06/04/2019	01°05,139 N	023°56,092 W	02:45	100
54				Yes	08/04/2019	04°58,924 N	029°33,615 W	02:05	100
55				Yes	10/04/2019	07°20,851 N	037°08,905 W	01:25	100
56				Yes	10/04/2019	07°19,064 N	037°10,372 W	03:05	100
57				Yes	11/04/2019	05°36,539 N	038°23,072 W	04:40	100
58				Yes	11/04/2019	05°33,403 N	038°30,91 W	07:35	100
59				Yes	12/04/2019	05°35,324 N	037°59,756 W	04:40	100
60				Yes	12/04/2019	05°32,265 N	038°07,165 W	05:35	100

Table 3 Summary of vessel / observer estimated figures (Kg)

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	39,463	39,217	500	500	110	110	2,007	1,949	42,080	41,776	-304	-0.73
2	87,564	77,706	11,506	10,223	1,556	929	6,451	6,237	107,077	95,095	-11,982	-12.60
3	54,200	44,849	6,284	5,215	0	0	0	0	60,484	50,064	-10,420	-20.81
4	48,493	44,427	3,028	2,798	0	0	0	0	51,521	47,225	-4,296	-9.10
5	47,112	46,660	3,812	3,772	0	0	0	0	50,924	50,432	-492	-0.98
6	42,069	39,866	5,230	4,971	0	0	0	0	47,299	44,837	-2,462	-5.49
7	62,421	59,090	4,443	4,184	0	0	0	0	66,864	63,274	-3,590	-5.67
8	38,606	32,186	11,115	9,270	0	0	0	0	49,721	41,456	-8,265	-19.94
9	47,205	41,977	1,955	1,711	0	0	0	0	49,160	43,688	-5,472	-12.53
10	60,659	55,340	501	454	0	0	0	0	61,160	55,794	-5,366	-9.62
11	68,288	67,339	2,384	2,242	0	0	0	0	70,672	69,581	-1,091	-1.57
12	86,125	78,818	1,503	1,305	0	0	0	0	87,628	80,123	-7,505	-9.37
13	93,393	77,000	1,625	1,300	0	0	0	0	95,018	78,300	-16,718	-21.35
14	76,886	68,000	2,031	1,800	0	0	0	0	78,917	69,800	-9,117	-13.06
15	46,372	39,222	3,479	2,921	0	0	0	0	49,851	42,143	-7,708	-18.29
16	58,250	52,226	1,118	990	0	0	0	0	59,368	53,216	-6,152	-11.56
17	44,571	39,069	2,901	2,526	0	0	0	0	47,472	41,595	-5,877	-14.13
18	58,029	50,010	12,278	10,560	0	0	0	0	70,307	60,570	-9,737	-16.08
19	53,379	43,724	5,409	4,414	0	0	0	0	58,788	48,138	-10,650	-22.12
20	75,124	68,761	5,751	5,259	0	0	0	0	80,875	74,020	-6,855	-9.26
21	79,768	65,833	4,432	3,655	0	0	0	0	84,200	69,488	-14,712	-21.17
22	74,406	70,490	1,238	1,154	271	316	2,418	2,100	78,333	74,060	-4,273	-5.77
23	84,829	74,630	427	361	1,653	1,396	2,070	2,163	88,979	78,550	-10,429	-13.28
24	73,404	61,525	8,324	6,980	0	0	0	0	81,728	68,505	-13,223	-19.30
25	77,987	58,920	4,644	3,504	0	0	0	0	82,631	62,424	-20,207	-32.37
26	80,511	78,050	8,872	8,603	727	727	2,126	2,209	92,236	89,589	-2,647	-2.95
27	56,217	53,402	2,762	2,604	0	0	0	0	58,979	56,006	-2,973	-5.31
28	45,376	47,298	1,990	2,068	0	0	0	0	47,366	49,366	2,000	4.05
29	13,394	13,447	1,000	1,000	0	0	0	0	14,394	14,447	53	0.37
30	44,954	41,951	6,020	5,597	0	0	0	0	50,974	47,548	-3,426	-7.21
31	55,140	53,365	8,237	7,971	0	0	0	0	63,377	61,336	-2,041	-3.33

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
32	56,697	47,850	3,996	3,365	0	0	0	0	60,693	51,215	-9,478	-18.51
33	38,157	35,980	4,132	3,879	0	0	0	0	42,289	39,859	-2,430	-6.10
34	34,334	31,027	836	748	0	0	0	0	35,170	31,775	-3,395	-10.68
35	30,175	32,383	5,772	6,175	460	429	1,432	1,700	37,839	40,687	2,848	7.00
36	19,872	20,773	88,392	92,460	1,502	1,833	3,828	4,934	113,594	120,000	6,406	5.34
37	15,551	12,290	84,936	67,245	670	622	733	1,100	101,890	81,257	-20,633	-25.39
38	18,037	17,604	54,661	53,420	1,904	1,364	953	1,441	75,555	73,829	-1,726	-2.34
39	77,520	76,000	2,448	2,400	0	0	0	0	79,968	78,400	-1,568	-2.00
40	45,222	45,370	4,249	4,249	0	0	0	0	49,471	49,619	148	0.30
41	79,180	77,165	8,038	7,847	1,269	1,358	4,154	4,509	92,641	90,879	-1,762	-1.94
42	59,586	60,217	191	191	464	585	3,038	3,328	63,279	64,321	1,042	1.62
43	65,144	65,480	2,954	2,954	0	0	0	0	68,098	68,434	336	0.49
44	66,771	65,200	2,674	2,600	0	0	0	0	69,445	67,800	-1,645	-2.43
45	69,397	68,447	4,800	4,716	0	0	0	0	74,197	73,163	-1,034	-1.41
46	48,677	47,490	2,605	2,560	0	0	0	0	51,282	50,050	-1,232	-2.46
47	70,419	68,117	2,175	2,096	0	0	0	0	72,594	70,213	-2,381	-3.39
48	64,562	73,023	2,204	2,505	0	0	0	0	66,766	75,528	8,762	11.60
49	77,101	77,465	1,857	1,857	0	0	0	0	78,958	79,322	364	0.46
50	76,488	70,421	4,784	4,424	0	0	0	0	81,272	74,845	-6,427	-8.59
51	77,559	75,000	0	0	0	0	0	0	77,559	75,000	-2,559	-3.41
52	65,783	63,429	2,317	2,005	0	0	0	0	68,100	65,434	-2,666	-4.07
53	75,738	68,452	1,665	1,480	0	0	0	0	77,403	69,932	-7,471	-10.68
54	59,544	59,591	5,133	5,133	0	0	0	0	64,677	64,724	47	0.07
55	31,076	29,982	0	0	0	0	0	0	31,076	29,982	-1,094	-3.65
56	67,953	61,274	4,145	3,726	0	0	0	0	72,098	65,000	-7,098	-10.92

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
57	91,409	92,145	1,090	1,090	0	0	0	0	92,499	93,235	736	0.79
58	110,701	103,868	3,689	3,451	0	0	0	0	114,390	107,319	-7,071	-6.59
59	91,101	91,803	1,282	1,282	0	0	0	0	92,383	93,085	702	0.75
60	87,414	88,276	1,821	1,821	0	0	0	0	89,235	90,097	862	0.96

Comments:

The table 2 shows difference between vessel's declared amounts and observed totals of more than 10% in the transshipments 2, 3, 8, 9, 13, 14, 15, 16, 17, 18, 19, 21, 23, 24, 25, 32, 37. In these transshipments the observer believes the vessel transhipped significantly more bigeye tuna (*Thunnus obesus*) than was declared in the transshipment declarations. In this the observer his confident in his count of fish transhipped.

6 Species and weight transferred

The vessel contained no tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **Error! Reference source not found.**, a breakdown by transshipment is shown in **Error! Reference source not found.**.

Table 4 Total weight of fish transhipped by species (Kg)

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight	%	Weight	%
Albacore	<i>Thunnus alalunga</i>	N	14,677	0.36	13,967	0.36
Atlantic blue marlin	<i>Makaira nigricans</i>	All	3,287	0.08	3,634	0.09
Atlantic blue marlin	<i>Makaira nigricans</i>	N	7,827	0.19	8,971	0.23
Atlantic sailfish	<i>Istiophorus albicans</i>	N	116	0.00	0	0.00
Bigeye tuna	<i>Thunnus obesus</i>	All	3,645,363	88.42	3,410,520	88.41
Opah	<i>Lampris guttatus</i>	N	85	0.00	32	0.00
Other fish Unclassified	N/A	All	1,035	0.03	1,035	0.03
Other fish Unclassified	N/A	N	660	0.02	3,029	0.08
Skipjack tuna	<i>Katsuwonus pelamis</i>	N	93	0.00	0	0.00
Striped marlin	<i>Tetrapturus audax</i>	All	122	0.00	102	0.00
Striped marlin	<i>Tetrapturus audax</i>	N	317	0.01	61	0.00
Swordfish	<i>Xiphias gladius</i>	N	10,586	0.26	9,669	0.25
Wahoo	<i>Acanthocybium solandri</i>	N	991	0.02	839	0.02
Yellowfin tuna	<i>Thunnus albacares</i>	All	437,645	10.62	405,591	10.51

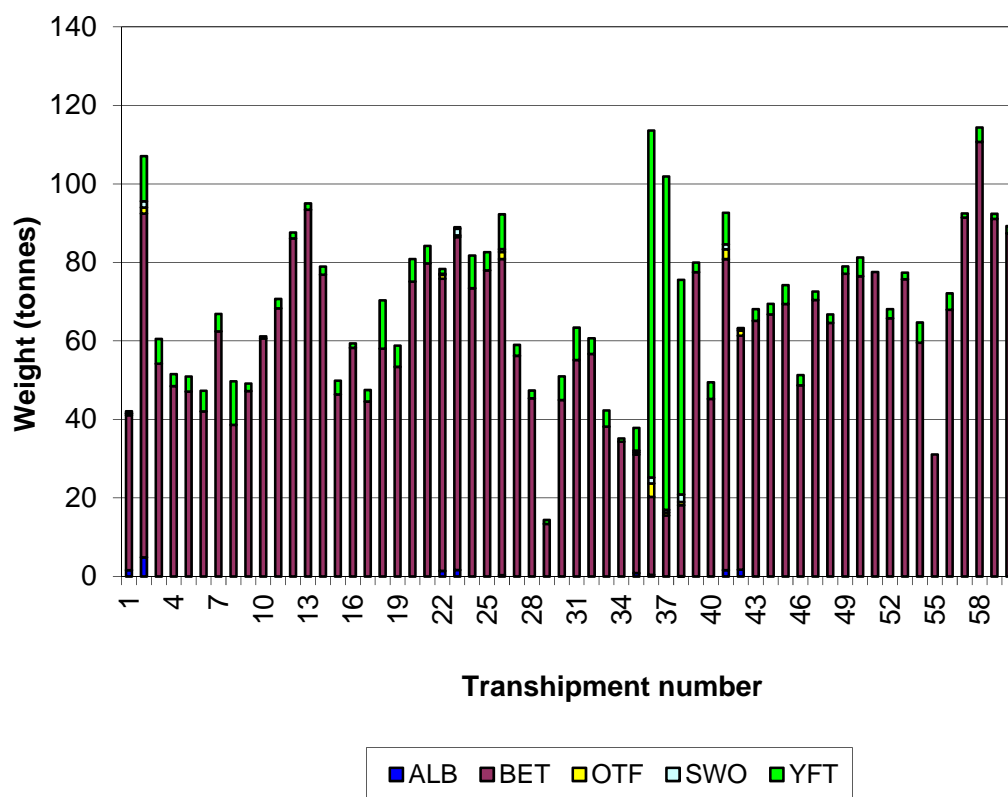


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species (Kg)

Common Name	Scientific name	Average weight
Albacore	<i>Thunnus alalunga</i>	21.97
Atlantic blue marlin	<i>Makaira nigricans</i>	86.83
Atlantic sailfish	<i>Istiophorus albicans</i>	11.60
Bigeye tuna	<i>Thunnus obesus</i>	42.51
Opah	<i>Lampris guttatus</i>	21.25
Other fish Unclassified	N/A	15.99
Skipjack tuna	<i>Katsuwonus pelamis</i>	11.63
Striped marlin	<i>Tetrapturus audax</i>	27.44
Swordfish	<i>Xiphias gladius</i>	51.64
Wahoo	<i>Acanthocybium solandri</i>	15.98
Yellowfin tuna	<i>Thunnus albacares</i>	46.28

Comments:

The main fish species transferred were the bigeye tuna (*Thunnus obesus*) followed by the yellowfin tuna (*Thunnus albacares*) both gilled and gutted (GG) product types.

Swordfish (*Xiphias gladius*) dressed (DR) and fillet (FL), albacore (*Thunnus alalunga*) whole (RD), Atlantic blue marlin (*Makaira nigricans*) and other fish were also observed in a minor quantity.

In the transshipment operations the fish was winched in mixed species strings from the LSPLVs holds, being then craned directly to the CV holds to be stored.

A hook scale was not used by the CV and the declared weights were given by the LSPLVs catch declaration and accepted. The CV did not declare the number of pieces transferred.

The observer made all the transshipment observations from a CV deck side where was perfectly visible the working area, making directly the count/estimation of the number of pieces transferred.

For the estimation of weights, the observer calculate an average weight for each species from LSPLVs catch declaration data, dividing each product weight by number of pieces declared.

A total weight for each species transferred was obtained by multiplying this average weights by the collected tally data.

7 Southern bluefin tuna transshipments

Table 6 Summary of southern bluefin tuna transshipments

No	Vessel name	ICCAT No	Flag	Checked	Date	Lat	Lon	Transshipment time	% Observed

N/A

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight of Fish (SBF)	Catch Monitoring Form Number	Tag series number (from – to)

N/A

Comments:

No southern bluefin tuna was transhipped during this deployment.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Y	20/02/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	19/02/2019
2			Y	21/02/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	20/02/2019
3			Y	23/02/19	N	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	22/02/2019
4			Y	23/02/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	22/02/2019
5			Y	24/02/09	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	23/02/2019
6			Y	24/02/19	N	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	23/02/2019
7			Y	25/02/19	N	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	24/02/2019
8			Y	26/02/19	N	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	25/02/2019
9			Y	26/02/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	25/02/2019
10			Y	26/02/19	N	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	25/02/2019
11			Y	27/02/19	Y	Y	Y	Y	Y	31/10/19	Y	Y	N	N/A	Y	PB	26/02/2019
12			Y	28/02/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	28/02/2019
13			Y	28/02/18	Y	Y	Unk	Y	Y	28/04/19	Y	Y	Y	Y	Y	PB	27/02/2019
14			Y	01/03/19	Y	Y	Y	Y	Y	31/10/19	Y	Y	N	N/A	Y	PB	28/02/2019
15			Y	02/03/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	01/03/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
16			Y	03/03/19	N	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	02/03/2019
17			Y	03/03/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	02/03/2019
18			Y	05/03/19	Y	Y	Unk	Y	Y	31/03/19	Y	Y	Y	Y	Y	PB	04/03/2019
19			Y	05/03/19	Y	Y	Unk	Y	Y	31/03/19	Y	Y	Y	Y	Y	PB	04/03/2019
20			Y	06/03/19	Y	Y	Unk	Y	Y	31/03/19	Y	Y	Y	N	Y	PB	05/03/2019
21			Y	06/03/19	Y	Y	Unk	Y	Y	31/03/19	Y	Y	Y	Y	Y	PB	06/03/2019
22			Y	07/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	07/03/2019
23			Y	07/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	07/03/2019
24			Y	08/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	07/03/2019
25			Y	08/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	08/03/2019
26			Y	11/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	10/03/2019
27			Y	12/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	11/03/2019
28			Y	12/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	11/03/2019
29			Y	13/03/19	Y	Y	Y	Y	Y	05/08/19	Y	Y	Y	Y	Y	PB	12/03/2109
30			Y	13/03/19	Y	Y	Unk	Y	Y	06/09/19	Y	Y	Y	Y	Y	PB	12/03/2019
31			Y	13/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	13/03/2019
32			Y	14/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	13/03/2019
33			Y	14/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	14/03/2019
34			Y	15/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	N	Y	Y	Y	PB	15/03/2019
35			Y	16/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	15/03/2019
36			Y	17/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	16/03/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
37			Y	18/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	17/03/2019
38			Y	19/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	19/03/2019
39			Y	20/03/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	20/03/2019
40			Y	21/03/19	Y	Y	Y	Y	Y	31/10/19	Y	Y	Y	Y	Y	PB	21/03/2019
41			Y	22/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	21/03/2019
42			Y	22/03/19	Y	Y	Unk	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	22/03/2019
43			Y	23/03/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	23/03/2019
44			Y	23/03/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	23/03/2019
45			Y	24/03/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	24/03/2019
46			Y	24/03/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	24/03/2019
47			Y	25/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	24/03/2019
48			Y	29/03/19	Y	Y	Y	Y	Y	13/03/20	Y	Y	Y	Y	Y	PB	28/03/2019
49			Y	02/04/19	Y	Y	Unk	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	01/04/2019
50			Y	04/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	04/04/2019
51			Y	04/04/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	04/04/2019
52			Y	06/04/19	Y	Y	Unk	Y	Y	26/10/19	Y	Y	Y	Y	Y	PB	06/04/2019
53			Y	06/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	06/04/2019
54			Y	08/04/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	08/04/2019
55			Y	10/04/19	Y	Y	Unk	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	10/04/2019
56			Y	10/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	09/04/2019
57			Y	11/04/19	Y	Y	Unk	Y	Y	31/03/21	Y	Y	Y	Y	Y	PB	11/04/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry	
58			Y	11/04/19	Y	Y	Unk	Y	Y	31/03/21	Y	Y	Y	Y	Y	Y	PB	11/04/2019
59			Y	12/04/19	Y	Y	Unk	Y	Y	31/03/21	Y	Y	Y	Y	Y	Y	PB	11/04/2019
60			Y	12/04/19	Y	Y	Unk	Y	Y	31/03/21	Y	Y	Y	Y	Y	Y	PB	12/04/2019

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Table 9 **Comments on LSPLV checks**

No	Comments
3	<p>XXX At the time of the inspection of the LSPLV, the vessel name was recorded in the ICCAT database XXX, this differs from the vessel name markings (XXX) on both the stern and bow. The vessel had rust/oil on vessel markings making it difficult to read.</p> <p>Figure 3 - Bow and stern XXX</p>

6	<p>XXX At the time of the inspection of the LSPLV, the vessel name was recorded in the ICCAT database as XXX, this differs from the vessel name markings (XXX) on both the stern and bow.</p> <p>Figure 4 - Bow and stern XXX</p>
7	<p>XXX At the time of the inspection of the LSPLV, the vessel name was recorded in the ICCAT database as XXX, this differs from the vessel name markings (XXX) on both the stern and bow.</p> <p>Figure 5 - Bow and stern of XXX</p>
8	<p>XXX At the time of the inspection of the LSPLV, the vessel name was recorded in the ICCAT database as XXX, this differs from the vessel name markings (XXX) in both stern and bow.</p> <p>Figure 6 - Bow and stern XXX</p>
10	<p>XXX At the time of the inspection of the LSPLV, the vessel name was recorded in the ICCAT database as XXX, this differs from the vessel name markings XXX) in both stern and bow. The “NO” was missing from the bow.</p> <p>Figure 7 - Bow and stern of XXX</p>

11	<p>XXX At the time of the inspection of the LSPLV, only an outdoor VMS antenna was shown to the observer (POLE STAR - MAT) and power supply unit to the Argos MARGE V2. An indoor unit wasn't identified.</p> <p>Figure 8 – Outdoor antenna and power supply of XXX</p>
14	<p>XXX At the time of the inspection of the LSPLV, only an outdoor VMS antenna was shown to the observer (POLE STAR - MAT) and power supply unit to the Argos MARGE V2. An indoor unit wasn't identified.</p> <p>Figure 9 – Outdoor antenna and power supply of XXX</p>
16	<p>XXX At the time of the inspection of the LSPLV, the vessel name was recorded in the ICCAT database as XXX, this differs from the vessel name markings XXX) on both the stern and bow.</p> <p>Figure 10 - Bow and stern of XXX</p>
19	<p>XXX At the time of the inspection of the LSPLV, the vessel name markings at stern and bow were unclear.</p> <p>Figure 11- Bow and stern of XXX</p>
20	<p>XXX At the time of the inspection of the LSPLV, the VMS shown to the observer was with light off. Some of the cables were also visibly not connected. The VMS shown was the ARGOS MARGE V2.</p> <p>Figure 12 - Outdoor antenna and ARGOS MARGE V2 VMS with light off</p>
26	<p>XXX At the time of the boarding inspection of the LSPLV the marking name at the bow part was unclear due to missing black ink.</p>

	Figure 13 – Bow of XXX
29	XXX At the time of the boarding inspection of the LSPLV the marking name at the bow part was unclear, with rust and missing black ink. Figure 14 - Bow of XXX
34	XXX At the time of the boarding inspection the authorisation to tranship was not presented to the observer by the LSPLV, and not faxed or e-mailed to the CV after transhipment. In addition the fishing logbook presented to the observer by the LSPLV was with the general information not fulfilled. Figure 15 – Logbook not filled
44	XXX At the time of the boarding inspection, the name markings were unclear at the stern and bow sides, significantly obscured by rust. The observer could only identify the LSPLV up close. Figure 16 – Bow and stern of XXX

The observer made 14 Potential Non Compliance (PNC) reports summarised below in Table 10.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2
3			23003	IIM	
6			23006	IIM	
7			23007	IIM	
8			23008	IIM	
10			23010	IIM	
11			23011	VNP	
14			23014	VNP	
16			23016	IIM	
19			23019	IIM	
20			23020	VNL	
26			23026	IIM	
29			23029	IIM	
34			23034	DNP	LEI
44			23044	IIM	

9 Other Observer Tasks.

9.1 CV waste disposal

The CV has waste management measures in place, including colour coded waste collection and an incinerator, ashes were retained on board.



Figure 17 Waste management on the Chikuma

9.2 Unidentified or IUU vessels

No unidentified or IUU vessels were seen during this deployment.

9.3 Marine mammals.

Table 11 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
06/04/2019	09:30	01°07.881' N	23°52.593'W	Unidentified Dolphins	20	Remained calm close to the LSPLV and CV during all the Non ROP transshipment.

10 Health and Safety on board the CV

There were no Health and Safety issues encountered on this deployment. The observer did not participate in any safety drills.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Table 12 Non ROP Transshipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		21/02/2019	13°31.162'N	35°18.983'W	Supplied with fuel and goods.	Yes
		25/02/2019	5°58.855' N	43°51.441'W	Supplied with bait.	Yes
		02/03/2019	5°42.824' N	41°44.225'W	Supplied with bait.	Yes
		10/03/2019	7°27.828' N	30°01.119'W	Supplied with fuel, goods and bait.	Yes
		11/03/2019	7°40.683' N	26°22.253'W	Supplied with fuel, goods and bait.	Yes
		12/03/2019	5°01.854' N	28°00.448'W	Supplied with, goods and bait	Yes
		16/03/2019	7°57.836' N	20°26.876'W	Supplied with, goods and bait	Yes
		21/03/2019	6°54.330' N	29°04.718'W	Supplied with engine oil, goods and bait.	Yes
		28/03/2019	6°09.335' S	20°45.124'W	Supplied with engine oil, goods and bait.	Yes
		28/03/2019	6°09.838' S	20°46.721'W	Supplied with engine oil, goods and bait.	Yes
		29/03/2019	5°13.572' S	19°08.985'W	Supplied with engine oil, goods and bait.	Yes
		30/03/2019	5°42.359' S	17°58.000'W	Supplied with, goods and bait.	Yes
		30/03/2019	5°41.679' S	19°58.986'W	Supplied with engine oil, goods and bait.	Yes
		30/03/2019	5°40.174' S	18°01.835'W	Supplied with engine oil, goods and bait.	Yes
		01/04/2019	5°26.633' S	08°55.945'W	Supplied with engine oil, goods and bait	Yes
		06/04/2019	1°07.881' N	23°52.593'W	Supplied with goods.	Yes
		09/04/2019	6°23.572' N	34°00.341'W	Supplied with goods.	Yes
		09/04/2019	6°22.982' N	34°01.329'W	Supplied with goods.	Yes
		09/04/2019	6°22.245' N	34°02.237'W	Supplied with goods.	Yes

ICCAT

Observer Report



Trip Number:	231/19
Vessel Name:	Tuna Queen
ICCAT Ref. No.	AT000PAN00145
Observer Name:	Julio Ocon Rodriguez
Cruise Dates:	From: 27/03/2019 To: 09/05/2019

1 Cruise Summary

In accordance with the bilateral agreement between Star Navigation Co., LTD and MRAG Ltd, Julio Ocon (ROP no.165) joined the Panama registered Carrier Vessel (CV) Tuna Queen (RFMO No. AT000PAN00145) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 27/03/2019 to 09/05/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Tuna Queen	Call sign:	HPFK
Port of registration:	Panama	Flag State:	Panama
Owner:	Star Navigation Co., Ltd	Charterer:	MRS. Corporation
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	5,308.55 M ³
Size (GRT):	4499 T	Length (LOA):	120.75m
Vessel monitoring system (present/absent):		Present	
Tuna products already on board (Quantity)		Yes (608.212T)	

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, South Africa
Date of embarkation	27/03/2019
Method of embarkation*	Portside
Date of departure	01/04/2019
Date of first transshipment	13/04/2019
Date of last transshipment	01/05/2019
Date of return	08/05/2019
Date of disembarkation	08/05/2019
Method of disembarkation*	Transfer vessel in port
Port of return	Panama

*(portside, transfer vessel in port, transfer vessel offshore)

4 Carrier Vessel Activities Summary

1.1 Logistics & Areas of Activity

The vessel made a total of eighteen transhipments at sea, the locations are shown in detail in

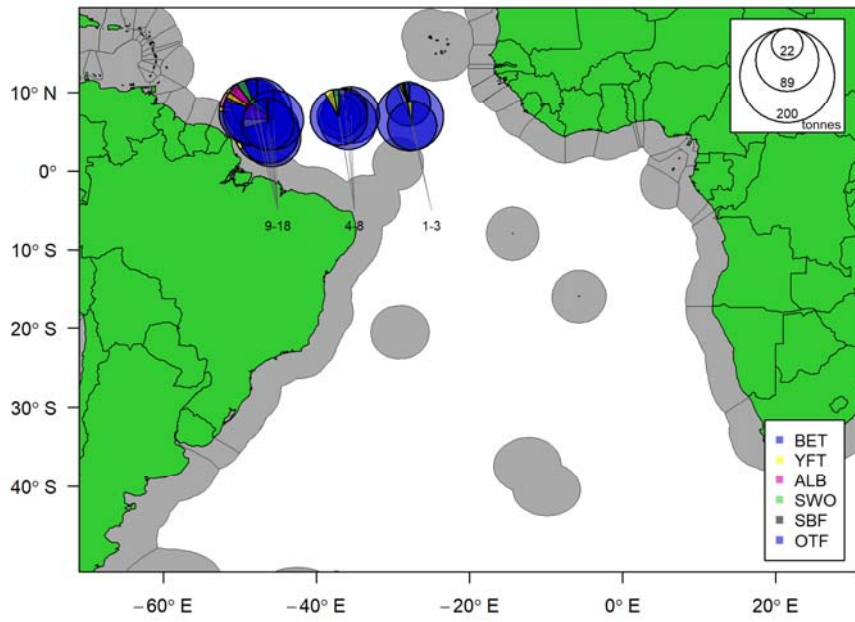


Figure 1, the numbers received by nationality of vessel are given in Table 1.

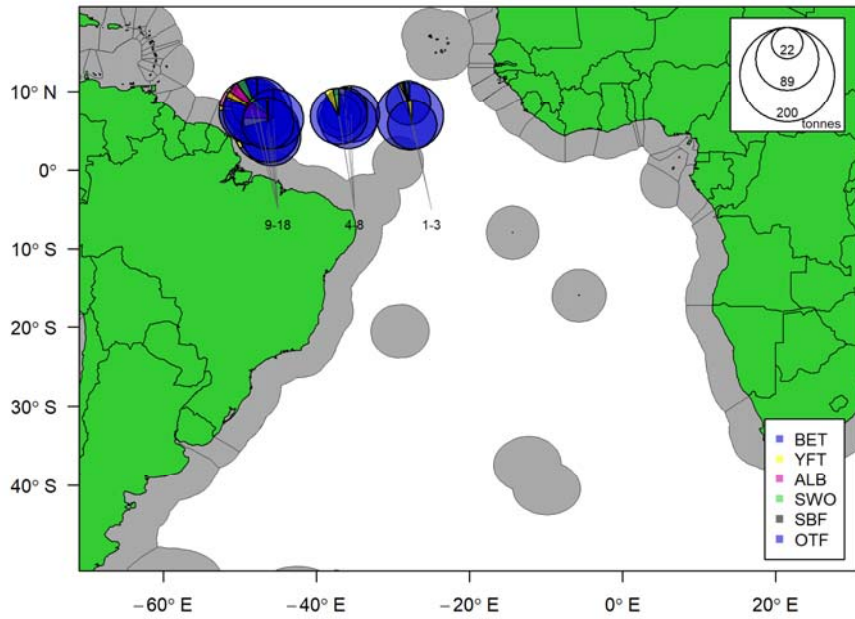


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	13
XXX	3
XXX	1
XXX	1

Comments:

Two non ROP transhipments were performed during this voyage (See Table 12 for further details).

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Checked	Date	Latitude	Longitude	Transhipment time	% Observed
1				Yes	13/04/2019	06°49.754 N	027°48.796 W	04:50	100
2				Yes	14/04/2019	08°31.621 N	028°00.378 W	03:25	100
3				Yes	15/04/2019	05°46.252 N	027°29.923 W	03:05	100
4				Yes	17/04/2019	07°07.388 N	035°30.702 W	05:00	100
5				Yes	18/04/2019	06°19.718 N	035°50.958 W	07:00	100
6				Yes	19/04/2019	07°42.139 N	036°17.538 W	03:40	100
7				Yes	20/04/2019	06°54.324 N	037°01.18 W	03:15	100
8				Yes	20/04/2019	06°50.715 N	037°04.342 W	03:45	100
9				Yes	22/04/2019	05°05.011 N	046°30.359 W	07:25	100
10				Yes	23/04/2019	04°13.846 N	045°51.738 W	05:40	100
11				Yes	24/04/2019	04°39.95 N	046°10.252 W	04:35	100
12				Yes	25/04/2019	07°16.255 N	047°39.712 W	05:25	100
13				Yes	26/04/2019	07°27.633 N	048°28.157 W	06:25	100
14				Yes	27/04/2019	07°50.103 N	048°29.97 W	04:10	100
15				Yes	28/04/2019	08°23.992 N	047°46.915 W	04:50	100
16				Yes	29/04/2019	07°30.328 N	047°43.602 W	06:45	100
17				Yes	30/04/2019	06°30.662 N	045°36.802 W	04:40	100
18				Yes	01/05/2019	05°55.877 N	046°20.491 W	04:20	100

Comments: During the deployment all transhipments were monitored and all LSTLVs were inspected. all transhipments were observed for their entire duration.

Table 3 Summary of vessel / observer estimated figures (Kg)

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	131,395	129,995	5,796	5,794	2,652	2,819	0	0	139,843	138,608	-1,235	-0.89
2	55,960	56,162	966	971	363	363	1,400	1,859	58,689	59,355	666	1.12
3	71,740	71,240	2,420	2,435	0	0	0	0	74,160	73,675	-485	-0.66
4	96,760	96,505	3,270	3,270	0	0	0	0	100,030	99,775	-255	-0.26
5	92,800	92,513	6,915	6,915	0	0	0	0	99,715	99,428	-287	-0.29
6	60,740	58,000	3,000	3,000	0	0	0	0	63,740	61,000	-2,740	-4.49
7	60,380	55,000	3,500	3,500	0	0	0	0	63,880	58,500	-5,380	-9.20
8	92,860	90,468	5,150	5,072	3,288	3,288	0	0	101,298	98,828	-2,470	-2.50
9	96,000	83,822	5,770	4,938	5,970	5,393	23,620	19,529	131,360	113,682	-17,678	-15.55
10	95,460	83,704	3,600	3,129	2,500	2,347	10,026	9,431	111,586	98,611	-12,975	-13.16
11	89,280	81,358	3,870	3,084	3,950	4,222	9,720	10,073	106,820	98,737	-8,083	-8.19
12	102,000	90,285	2,000	1,746	7,920	7,791	5,782	5,729	117,702	105,551	-12,151	-11.51
13	96,760	98,104	3,054	3,054	3,960	4,259	13,399	14,366	117,173	119,783	2,610	2.18
14	74,800	69,649	2,000	1,838	3,600	2,833	7,761	6,742	88,161	81,062	-7,099	-8.76
15	68,800	61,154	2,140	1,913	2,600	2,171	9,700	8,741	83,240	73,979	-9,261	-12.52
16	127,000	119,246	5,320	4,399	5,760	5,760	8,630	8,562	146,710	137,967	-8,743	-6.34
17	82,800	76,886	5,500	5,159	3,240	3,131	12,965	12,813	104,505	97,989	-6,516	-6.65
18	78,780	82,208	795	828	0	0	0	0	79,575	83,036	3,461	4.17

Comments:

For transshipment numbers 9, 10, 12 and 15 there was a greater than 10% difference between the observer's estimation and the declared weight in the transshipment declaration.

For transshipment 9, strings came straight from the LSTLV hold to the C/V hold only providing a short time for the observer to estimate the number of fish on each string. Despite this, the observer is confident in his estimates.

For transshipments 10, 12 and 15, the observer believes that the number of fish for BET/YFT provided by the LSTLV captain was incorrect, which may have been due to the method used by the captain which focussed more on the overall weight rather than the number of units.

6 Species and weight transferred

The vessel contained 608.212 T of product when the observer boarded, and following transshipments in port in Cape Town, 863.022 T upon departure for the high seas. The total declared weight of all species transferred during the trip is shown in Table 4, a breakdown by transshipment is shown in Figure 2.

Table 4 Total weight of fish transhipped by species (Kg)

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight	%	Weight	%
Albacore	<i>Thunnus alalunga</i>	N	76,506	4.28	71,111	4.18
Atlantic blue marlin	<i>Makaira nigricans</i>	N	18,364	1.03	16,911	1
Atlantic sailfish	<i>Istiophorus albicans</i>	W	358	0.02	215	0.01
Bigeye tuna	<i>Thunnus obesus</i>	All	1,574,315	88.04	1,496,299	88.04
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	All	1,385	0.08	1,672	0.10
Oilfish	<i>Ruvettus pretiosus</i>	All	5,864	0.33	7,356	0.43
Opah	<i>Lampris guttatus</i>	All	472	0.03	580	0.03
Striped marlin	<i>Tetrapturus audax</i>	All	55	0	0	0
Swordfish	<i>Xiphias gladius</i>	N	45,803	2.56	44,377	2.61
Yellowfin tuna	<i>Thunnus albacares</i>	All	65,066	3.64	61,045	3.59

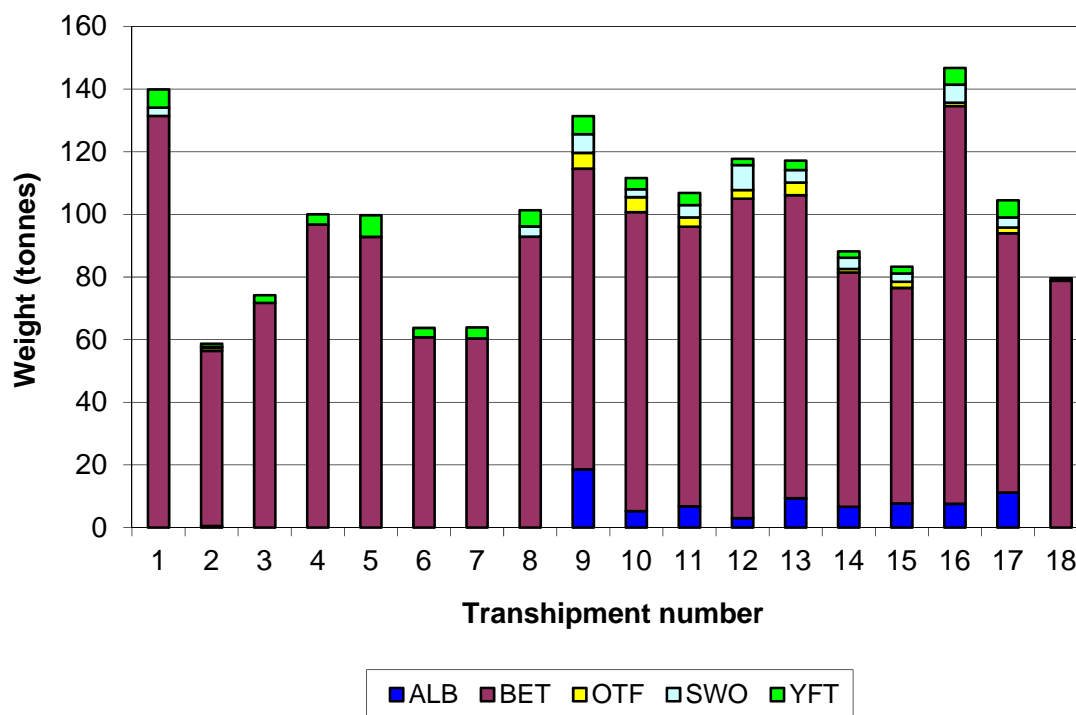


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species (Kg)

Common Name	Scientific name	Average weight
Albacore	<i>Thunnus alalunga</i>	22.58
Atlantic blue marlin	<i>Makaira nigricans</i>	67.02
Atlantic sailfish	<i>Istiophorus albicans</i>	17.90
Bigeye tuna	<i>Thunnus obesus</i>	43.09
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	16.89
Oilfish	<i>Ruvettus pretiosus</i>	17.61
Opah	<i>Lampris guttatus</i>	19.65
Striped marlin	<i>Tetrapturus audax</i>	54.75
Swordfish	<i>Xiphias gladius</i>	60.43
Yellowfin tuna	<i>Thunnus albacares</i>	38.21

Comments:

All of these species were processed and frozen on board the LSTLVs prior to transshipment to the CV.

Bigeye tuna (*Thunnus obesus*) and Yellowfin tuna (*Thunnus albacares*) were transhipped as gilled and gutted.

Atlantic blue marlin (*Makaira nigricans*), Atlantic sailfish (*Istiophorus albicans*), Narrow-barred Spanish mackerel (*Scomberomorus commerson*), Oilfish (*Ruvettus pretiosus*), Opah (*Lampris guttatus*), Striped marlin (*Tetrapturus audax*) and Swordfish (*Xiphias gladius*) were transhipped as dressed weight.

Albacore (*Thunnus alalunga*) was transhipped as round weight.

The C/V did not use a hook scale to weight the fish, all declarations of numbers and weights came from the LSTLV. Instead, the observer used the average weight as calculated from the total weight and number of fish for each species declared on the transshipment declaration.

The estimated number of fish and the different species were calculated when the fish was transhipped from the LSTLV in strings to the C/V.

7 Southern bluefin tuna transhipments

Table 6 Summary of southern bluefin tuna transhipments

No	Vessel name	ICCAT No	Flag	Checked	Date	Lat	Lon	Transhipment time	% Observed
N/A									

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight of Fish (SBF)	Catch Monitoring Form Number	Tag series number (from – to)
N/A					

Comments:

No southern bluefin tuna was transhipped during this deployment.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Yes	13/04/19	Yes	Yes	Unk	Yes	Yes	31/03/99	Yes	Y	Yes	Yes	Yes	PB	12/04/2019
2			Yes	14/04/19	Yes	Yes	Unk	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	13/04/2019
3			Yes	15/04/19	Yes	Yes	Unk	Yes	Yes	31/01/20	Yes	Y	Yes	Yes	Yes	PB	14/04/2019
4			Yes	17/04/19	Yes	Yes	Unk	Yes	Yes	31/03/21	Yes	Y	Yes	Yes	Yes	PB	16/04/2019
5			Yes	18/04/19	Yes	Yes	Unk	Yes	Yes	31/03/21	Yes	Y	Yes	Yes	Yes	PB	16/04/2019
6			Yes	19/04/19	Yes	Yes	Unk	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	18/04/2019
7			Yes	20/04/19	Yes	Yes	Unk	Yes	Yes	19/01/20	Yes	Y	Yes	Yes	Yes	PB	19/04/2019
8			Yes	20/04/19	Yes	Yes	Unk	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	19/04/2019
9			Yes	22/04/19	No	Yes	Unk	Yes	Yes	25/10/19	Yes	Y	Yes	Yes	Yes	PB	22/04/2019
10			Yes	23/04/19	No	Yes	Unk	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	21/04/2019
11			Yes	24/04/19	Yes	Yes	Unk	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	23/04/2019
12			Yes	25/04/19	No	Yes	Unk	Yes	Yes	13/09/23	Yes	Y	Yes	Yes	Yes	PB	24/04/2019
13			Yes	26/04/19	Yes	Yes	Unk	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	25/04/2019
14			Yes	27/04/19	No	Yes	Unk	Yes	Yes	13/09/22	Yes	Y	Yes	Yes	Yes	PB	26/04/2019
15			Yes	28/04/19	Yes	Yes	Unk	Yes	Yes	13/09/22	Yes	Y	Yes	Yes	Yes	PB	28/04/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
16			Yes	29/04/19	Yes	Yes	Unk	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	28/04/2019
17			Yes	30/04/19	No	Yes	Unk	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	29/04/2019
18			Yes	01/05/19	No	Yes	Unk	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	30/04/2019

***EL** – Electronic, **PB** – Printed and Bound, **PU** – Printed and Unbound, **UB** – Unprinted and Bound, **UU** – Unprinted and Unbound

Comments.**Table 9 Comments on LSPLV checks**

No	Comments
9	XXX The vessel name on bow and stern, ATT and ATF is the XXX. While the vessel record is recorded as XXX. The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.
10	XXX The vessel name on bow and stern, are different displaying "XXX" on the bow with the "No" painted over in white and "XXX" on the stern. The vessel record is recorded as XXX. The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.
12	XXX The vessel name on bow and stern, ATT and ATF is the XXX. While the vessel record is recorded as XXXThe observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.
14	XXX The vessel name on bow and stern, ATT and ATF is the XXX. While the vessel record is recorded as XXX. The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.
16	XXXName on bow, stern, ATF and ATT: XXX. Number "XXX" at bow was a little worn away, however still legible.
17	XXX The vessel name on bow and stern, ATT and ATF is the XXX. While the vessel record is recorded as XXX. The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.

18

XXX

The vessel name on bow and stern, ATT and ATF is the XXX. While the vessel record is recorded as XXX. The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.

The observer made seven Potential Non Compliance (PNC) reports summarised below in Table 10.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
09			23109	IIM		
10			23110	IIM		
12			23112	IIM		
14			23114	IIM		
17			23117	IIM		
18			23118	IIM		

The observer discussed with the master of the Tuna Queen the inconsistent naming of the vessel as seen on the bow, stern and the name shown on the ATF and ATT with the vessel record. All of the above PNCs were not submitted by the consortium as they had recently been submitted in deployment 230/19.

9 Other Observer Tasks.

9.1 CV waste disposal

Tuna Queen had on the stern three big buckets for garbage recycling and disposal. All plastic, bottles and cans were kept onboard to be discharged on the next port; paper and cardboard were burned in the incinerator located in the engine room. Around the ship, there were many rubbish sacks to fill with garbage to be recycled.



On the 22/04/2019 during transshipment number 9, LSTLV Jin Feng 5, garbage was seen in the sea including a life jacket, plastic bottles and a barrel of unknown product.



9.2 Unidentified or IUU vessels

No unidentified or IUU vessels were sighted during the cruise.

9.3 Marine mammals.

Table 11 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
04/05/2019	14:30	11° 33 N	62° 37 W	Dolphins	10-15	Undetermined

10 Health and Safety on board the CV

No major concerns regarding health and safety. No safety drills were carried out during deployment.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Table 12 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments
		03/04/2019	26° 12 S	10° 32 E	Parcel cargo and baits
Yachiyo	AT000PAN00240	10/04/2019	7° 09 S	19° 34 W	Parcel cargo

ICCAT

Observer Report



Trip Number:	232/19
Vessel Name:	Yachiyo
ICCAT Ref. No.	AT000PAN00240
Observer Name:	Rebeca Ocon Rodriguez
Cruise Dates:	From: 20/03/2019 To: 13/05/2019

1 Cruise Summary

In accordance with the bilateral agreement between Star Navigation SA and MRAG Ltd, Rebeca Ocon (ROP no.124) joined the Panama registered Carrier Vessel (CV) Yachiyo (RFMO No AT000PAN00240) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 20/03/2019 to 13/05/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Yachiyo	Call sign:	3FXL7
Port of registration:	Panama	Flag State:	Panama
Owner:	Star Navigation SA	Charterer:	MRS Corporation
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	283.481
Size (GRT):	6.607	Length (LOA):	134.16 m
Vessel monitoring system (present/absent):		Present (JRC)	
Tuna products already on board (Quantity)		No	

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town (South Africa)
Date of embarkation	20/03/2019
Method of embarkation*	Portside
Date of departure	20/03/2019
Date of first transshipment	24/03/2019
Date of last transshipment	06/05/2019
Date of return	06/05/2019
Date of disembarkation	13/05/2019
Method of disembarkation*	Transfer vessel in port
Port of return	Panama City, Panama

*(portside, transfer vessel in port, transfer vessel offshore)

4 Carrier Vessel Activities Summary

1.1 Logistics & Areas of Activity

The vessel made a total of 51 transshipments at sea, the locations are shown in detail in

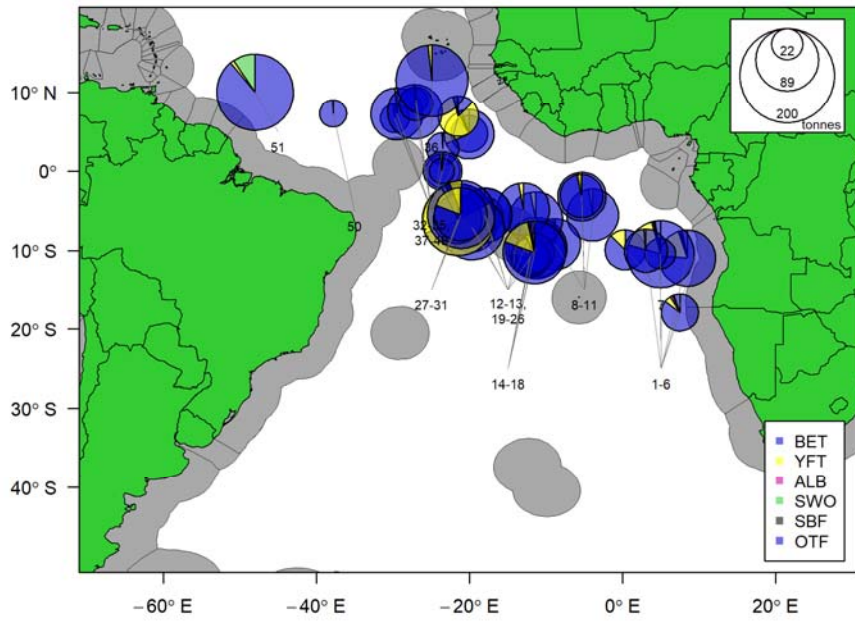


Figure 1, the numbers received by nationality of vessel are given in Table 1.

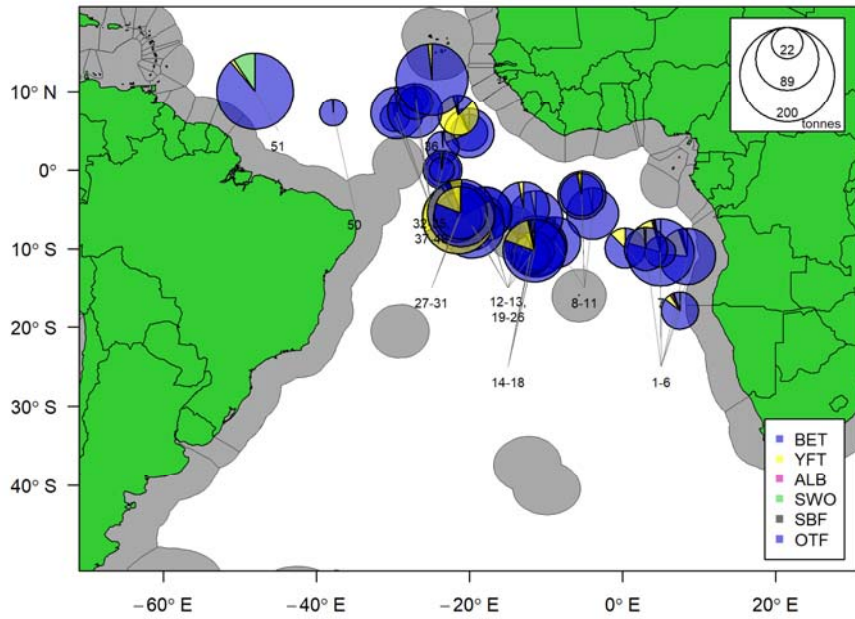


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	32
XXX	1
XXX	15
XXX	2
XXX	1

Comments: In addition, a total of 10 non ROP transhipments were performed (Table 12)

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Checked	Date	Latitude	Longitude	Tranship. time	% Observed
1				24/03/2019	17°53.991 S	007°28.788 E	Yes	02:10	100
2				26/03/2019	10°36.075 S	009°26.47 E	Yes	03:00	100
3				27/03/2019	10°57.831 S	008°26.561 E	Yes	02:02	100
4				27/03/2019	10°27.107 S	004°57.041 E	Yes	01:03	100
5				27/03/2019	10°22.758 S	004°54.535 E	Yes	00:35	100
6				28/03/2019	10°00.984 S	003°01.647 E	Yes	01:20	100
7				29/03/2019	09°54.059 S	000°19.099 E	Yes	01:45	100
8				30/03/2019	05°31.844 S	003°55.495 W	Yes	02:12	100
9				31/03/2019	03°11.647 S	005°20.1 W	Yes	00:44	100
10				31/03/2019	03°07.551 S	005°22.695 W	Yes	01:05	100
11				02/04/2019	09°11.364 S	008°50.713 W	Yes	03:08	100
12				03/04/2019	09°45.218 S	011°13.981 W	Yes	03:48	100
13				03/04/2019	09°41.684 S	011°17.314 W	Yes	05:53	100
14				04/04/2019	10°52.859 S	012°00.439 W	Yes	03:16	100
15				04/04/2019	10°48.521 S	012°04.012 W	Yes	01:17	100
16				04/04/2019	10°44.069 S	012°06.722 W	Yes	00:53	100
17				05/04/2019	10°17.359 S	011°28.753 W	Yes	01:28	100
18				05/04/2019	10°14.375 S	011°31.935 W	Yes	01:36	100
19				06/04/2019	06°02.156 S	011°22.344 W	Yes	08:47	100
20				07/04/2019	04°47.812 S	012°58.679 W	Yes	07:49	100
21				09/04/2019	05°31.942 S	017°54.584 W	Yes	03:31	100
22				09/04/2019	05°32.344 S	017°58.03 W	Yes	02:44	100
23				09/04/2019	05°32.632 S	018°01.661 W	Yes	02:23	100
24				10/04/2019	07°09.056 S	019°33.741 W	Yes	02:43	100
25				10/04/2019	07°08.09 S	019°38.721 W	Yes	04:18	100

No	Name	RFMO No	Flag	Checked	Date	Latitude	Longitude	Tranship. time	% Observed
26				10/04/2019	07°03.801 S	019°45.213 W	Yes	04:08	100
27				11/04/2019	06°08.526 S	021°25.1 W	Yes	03:19	100
28				11/04/2019	06°05.977 S	021°29.739 W	Yes	03:36	100
29				11/04/2019	06°03.303 S	021°34.018 W	Yes	02:55	100
30				12/04/2019	05°27.698 S	021°05.071 W	Yes	01:41	100
31				12/04/2019	05°25.982 S	021°09.995 W	Yes	02:42	100
32				14/04/2019	04°44.7 N	020°02.48 W	Yes	03:22	100
33				14/04/2019	04°42.096 N	020°03.978 W	Yes	01:42	100
34				15/04/2019	06°58.303 N	021°28.164 W	Yes	04:48	100
35				15/04/2019	06°51.179 N	021°29.248 W	Yes	06:17	100
36				21/04/2019	11°29.49 N	024°55.49 W	Yes	06:17	100
37				23/04/2019	02°49.776 N	023°31.478 W	Yes	02:27	100
38				24/04/2019	00°00.135 N	023°30.701 W	Yes	05:02	100
39				25/04/2019	00°00.824 N	023°31.295 W	Yes	03:17	100
40				25/04/2019	00°00.67 N	023°37.174 W	Yes	01:37	100
41				27/04/2019	06°43.567 N	029°45.136 W	Yes	01:37	100
42				27/04/2019	06°41.439 N	029°48.527 W	Yes	02:07	100
43				28/04/2019	07°16.016 N	029°29.515 W	Yes	01:56	100
44				28/04/2019	07°13.928 N	029°30.962 W	Yes	01:30	100
45				29/04/2019	07°32.185 N	027°08.74 W	Yes	03:48	100
46				30/04/2019	08°33.551 N	027°00.855 W	Yes	01:31	100
47				30/04/2019	08°32.327 N	027°02.89 W	Yes	01:20	100
48				01/05/2019	08°59.53 N	027°00.9 W	Yes	03:51	100
49				02/05/2019	08°59.08 N	027°00.54 W	Yes	07:12	100
50				04/05/2019	07°18.961 N	037°49.321 W	Yes	01:28	100
51				06/05/2019	10°01.143 N	048°00.633 W	Yes	05:07	100

Table 3 Summary of vessel / observer estimated figures (Kg)

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	42,023	33,722	1,033	826	2,661	3,000	0	0	45,717	37,548	-8,169	-21.75
2	46,821	46,821	16,646	16,646	1,351	1,351	3,586	3,586	68,404	68,404	0	0.00
3	5,798	5,700	37,691	37,100	929	968	713	662	45,131	44,430	-701	-1.58
4	20,235	20,292	137	137	0	0	0	0	20,372	20,429	57	0.28
5	15,670	15,500	170	170	0	0	0	0	15,840	15,670	-170	-1.08
6	28,579	28,408	253	253	0	0	0	0	28,832	28,661	-171	-0.60
7	31,745	31,632	883	883	0	0	0	0	32,628	32,515	-113	-0.35
8	44,227	40,971	118	108	0	0	0	0	44,344	41,079	-3,265	-7.95
9	17,774	16,817	321	321	0	0	0	0	18,095	17,138	-957	-5.59
10	25,425	22,709	585	507	0	0	0	0	26,010	23,216	-2,794	-12.04
11	28,158	25,988	26,513	24,489	0	0	0	0	54,671	50,477	-4,194	-8.31
12	75,742	73,591	933	875	0	0	0	0	76,675	74,466	-2,209	-2.97
13	115,285	107,843	2,702	2,513	0	0	0	0	117,987	110,356	-7,631	-6.92
14	81,742	81,499	298	298	0	0	0	0	82,040	81,797	-243	-0.30
15	31,996	30,913	56	56	0	0	0	0	32,052	30,969	-1,083	-3.50
16	14,197	13,760	284	237	0	0	0	0	14,481	13,997	-484	-3.46
17	24,738	24,069	340	306	0	0	0	0	25,078	24,375	-703	-2.88
18	20,942	19,953	122	81	0	0	0	0	21,063	20,034	-1,029	-5.14
19	146,297	139,424	2,723	2,585	0	0	0	0	149,020	142,009	-7,011	-4.94
20	150,395	143,443	2,944	2,794	15,618	15,105	0	0	168,957	161,342	-7,615	-4.72
21	71,936	71,395	1,935	1,884	0	0	0	0	73,871	73,279	-592	-0.81
22	65,765	62,207	1,659	1,561	0	0	0	0	67,423	63,768	-3,655	-5.73
23	49,449	48,408	758	1,761	0	0	0	0	50,207	50,169	-38	-0.07
24	74,452	71,136	835	791	0	0	0	0	75,287	71,927	-3,360	-4.67
25	82,941	78,760	10,331	9,800	0	0	0	0	93,272	88,560	-4,712	-5.32
26	96,567	93,652	9,664	9,370	0	0	0	0	106,231	103,022	-3,209	-3.12
27	90,875	78,153	2,007	1,713	0	0	0	0	92,881	79,866	-13,015	-16.30
28	78,800	77,513	2,576	2,528	0	0	0	0	81,376	80,041	-1,335	-1.67
29	73,345	72,672	2,367	2,317	0	0	0	0	75,712	74,989	-723	-0.96
30	31,041	29,564	4,327	4,108	0	0	0	0	35,368	33,672	-1,696	-5.04

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
31	67,220	62,837	4,862	4,561	0	0	0	0	72,082	67,398	-4,684	-6.95
32	35,943	34,938	47,995	36,580	1,979	1,093	5,662	5,859	91,580	78,470	-13,110	-16.71
33	15,028	14,563	20,026	19,261	1,629	842	2,722	2,573	39,404	37,239	-2,165	-5.81
34	70,290	69,840	33,538	33,319	4,054	2,832	4,936	5,104	112,818	111,095	-1,723	-1.55
35	95,060	94,941	35,346	35,255	1,767	1,578	5,208	4,577	137,381	136,351	-1,030	-0.76
36	25,132	24,035	110,538	105,716	3,117	2,362	8,422	8,038	147,209	140,151	-7,058	-5.04
37	61,328	60,298	4,619	4,526	0	0	0	0	65,947	64,824	-1,123	-1.73
38	123,934	118,000	7,676	7,285	0	0	0	0	131,610	125,285	-6,325	-5.05
39	62,227	61,838	14,720	14,621	0	0	0	0	76,947	76,459	-488	-0.64
40	39,287	38,756	5,775	5,682	0	0	0	0	45,062	44,438	-624	-1.40
41	39,035	36,973	6,082	5,727	0	0	0	0	45,116	42,700	-2,416	-5.66
42	31,647	30,441	9,712	9,302	0	0	0	0	41,359	39,743	-1,616	-4.07
43	32,342	32,161	5,342	5,300	0	0	0	0	37,683	37,461	-222	-0.59
44	38,289	37,590	3,371	3,325	0	0	0	0	41,660	40,915	-745	-1.82
45	90,509	87,307	18,479	17,447	1,052	980	2,185	2,235	112,225	107,969	-4,256	-3.94
46	35,588	32,241	2,323	2,119	594	548	2,119	1,996	40,623	36,904	-3,719	-10.08
47	39,508	37,822	999	851	166	131	2,265	2,108	42,938	40,912	-2,026	-4.95
48	67,091	66,849	16,252	16,206	1,044	1,004	2,770	2,717	87,156	86,776	-380	-0.44
49	100,521	98,680	20,518	20,129	1,069	1,000	3,576	3,424	125,684	123,233	-2,451	-1.99
50	25,560	25,560	0	0	0	0	0	0	25,560	25,560	0	0.00
51	51,042	50,802	749	749	0	0	0	0	51,791	51,551	-240	-0.46

Comments:

During transshipments 1, 10, 27, 32, and 46 the observer estimated a amount transhipped to be greater than that declared by more than 10%. Neither of these transshipments were extraordinary or involved large and complex strings. As such, the observer is confident in her estimations.

6 Species and weight transferred

The vessel contained 0 tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **Error! Reference source not found.**, a breakdown by transshipment is shown in **Error! Reference source not found.**.

Table 4 Total weight of fish transhipped by species (Kg)

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight	%	Weight	%
Albacore	Thunnus alalunga	All	10,576	0.31	10,201	0.31
Atlantic blue marlin	Makaira nigricans	All	28,150	0.83	27,692	0.85
Atlantic Spanish mackerel	Scomberomorus maculatus	All	1,388	0.04	1,204	0.04
Bigeye tuna	Thunnus obesus	All	2,829,538	82.96	2,722,987	83.18
Opah	Lampris guttatus	All	122	0.00	81	0.00
Other fish Unclassified	N/A	All	3,340	0.10	3,134	0.10
Striped marlin	Tetrapturus audax	All	587	0.02	567	0.02
Swordfish	Xiphias gladius	All	37,031	1.09	32,794	1.00
Yellowfin tuna	Thunnus albacares	All	500,130	14.66	474,979	14.51

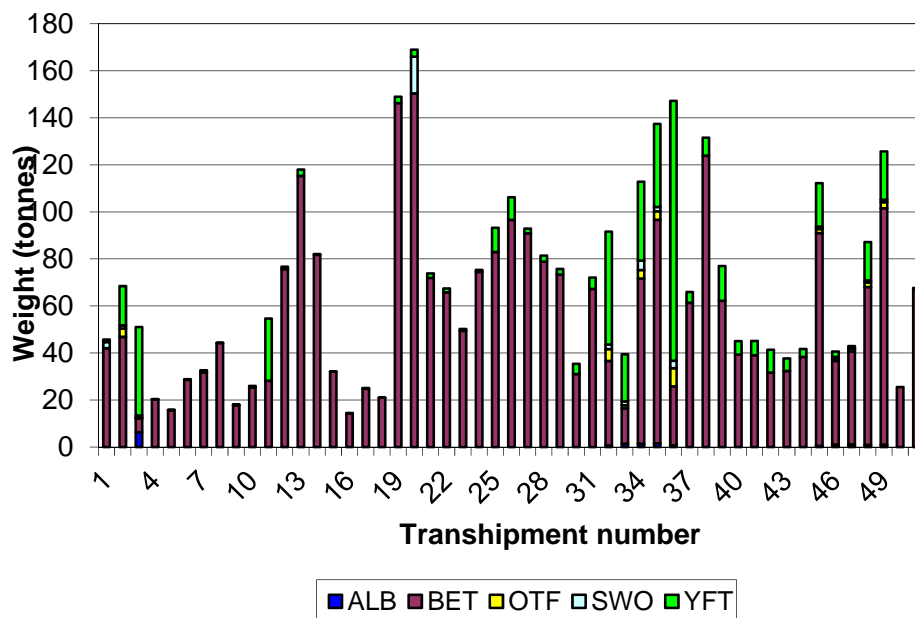


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species (Kg)

Common Name	Scientific name	Average weight
Albacore	Thunnus alalunga	24.88
Atlantic blue marlin	Makaira nigricans	91.70
Atlantic Spanish mackerel	Scomberomorus maculatus	10.28
Bigeye tuna	Thunnus obesus	51.69
Opah	Lampris guttatus	13.59
Other fish Unclassified	N/A	23.86
Striped marlin	Tetrapturus audax	19.57
Swordfish	Xiphias gladius	52.08

Comments:

Albacore (*T. alalunga*) was transhipped as rounded weight.

Bigeye tuna (*T. obesus*), yellowfin tuna (*T. albacares*) and striped marlin (*T. audax*) were transhipped as gilled and gutted product. Opah (*L. guttatus*) as head off product.

Atlantic blue marlin (*M. nigricans*) and Atlantic Spanish mackerel were transhipped as dressed weight. Swordfish (*X. gladius*) was transhipped as fillet and dressed weight.

During the deployment the observer took the average weights from the information provided by the LSTLV on the ICCAT Transhipment Declaration and multiplied this by the estimated number of each species to obtain the total weight for each species in each transhipment.

7 Southern bluefin tuna transhipments

Table 6 Summary of southern bluefin tuna transhipments

No	Vessel name	ICCAT No	Flag	Checked	Date	Lat	Lon	Transhipment time	% Observed
N/A									

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight of Fish (SBF)	Catch Monitoring Form Number	Tag series number (from – to)
N/A					

Comments:

No southern bluefin tuna was transhipped during this deployment

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS			Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry	
1			Y	24/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	24/03/2019
2			Y	26/03/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	Y	EL	25/03/2019
3			Y	27/03/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	Y	EL	26/03/2019
4			Y	27/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	27/03/2019
5			Y	27/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	26/03/2019
6			Y	28/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	28/03/2019
7			Y	29/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	29/03/2019
8			Y	30/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	30/03/2019
9			Y	31/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	30/03/2019
10			Y	31/03/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	30/03/2019
11			Y	02/04/19	Y	Y	Y	Y	Y	31/08/19	Y	Y	Y	Y	Y	Y	PU	31/03/2019
12			Y	03/04/19	Y	Y	Y	Y	Y	24/05/19	Y	Y	Y	Y	Y	Y	PB	03/04/2019
13			Y	03/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	Y	PB	03/04/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS			Logbook	
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
14			Y	04/04/19	Y	Y	Y	Y	Y	02/08/19	Y	Y	Y	Y	Y	PB	04/04/2019
15			Y	04/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	03/04/2019
16			Y	04/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	04/04/2019
17			Y	05/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	05/04/2019
18			Y	05/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	05/04/2019
19			Y	06/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	PB	05/04/2019
20			Y	07/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	PB	06/04/2019
21			Y	09/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	09/04/2019
22			Y	09/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	08/04/2019
23			Y	09/04/19	Y	Y	Y	Y	Y	17/09/19	Y	Y	Y	Y	Y	PB	09/04/2019
24			Y	10/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	09/04/2019
25			Y	10/04/19	Y	Y	Y	Y	Y	03/03/20	Y	Y	Y	Y	Y	PB	09/04/2019
26			Y	10/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	09/04/2019
27			Y	11/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	11/04/2019
28			Y	11/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	11/04/2019
29			Y	11/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	11/04/2019
30			Y	12/04/19	Y	Y	Y	Y	Y	31/08/19	Y	Y	Y	Y	Y	PB	11/04/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS			Logbook	
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
31			Y	12/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	11/04/2019
32			Y	14/04/19	Y	Y	Y	Y	Y	31/07/19	Y	Y	Y	Y	Y	EL	14/04/2019
33			Y	14/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	14/04/2019
34			Y	15/04/19	Y	Y	Y	Y	Y	31/07/19	Y	Y	Y	Y	Y	EL	13/04/2019
35			Y	15/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	15/04/2019
36			Y	21/04/10	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	21/04/2019
37			Y	23/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	PB	22/04/2019
38			Y	24/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	23/04/2019
39			Y	25/04/19	Y	Y	Y	Y	Y	05/08/19	Y	Y	Y	Y	Y	PB	24/04/2019
40			Y	25/04/19	Y	Y	Y	Y	Y	06/09/19	Y	Y	Y	Y	Y	PB	24/04/2019
41			Y	27/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	26/04/2019
42			Y	27/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	26/04/2019
43			Y	28/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	28/04/2019
44			Y	28/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	27/04/2019
45			Y	29/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	28/04/2019
46			Y	30/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	29/04/2019
47			Y	30/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	29/04/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
48			Y	01/05/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	30/04/2019
49			Y	02/05/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	01/05/2019
50			Y	04/05/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	04/05/2019
51			Y	06/05/19	Y	Y	Y	Y	Y	31/10/19	Y	Y	Y	Y	Y	PB	05/05/2019

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Table 9 **Comments on LSPLV checks**

No	Comments
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11	<p>XXX Logbook was not bounded (LNB) and sheets were not numbered (LNN)</p> <p>Figure 3 XXX Logbook</p>
26	<p>XXX LSPLV Master showed a second VMS to the observer with the power light visible but this model was unknown for the observer. Details as follow: - Model: Easy TRX - Produced by: Weather dock</p> <p>Figure 4 XXX</p>

32

XXX The Vessel bow markings for the XXX were correct at the time of transshipment. However, while clear the text was very small and not easy to read.

Figure 5 XXX Vessel Bow Markings

The observer made 1 Potential Non Compliance (PNC) reports summarised below in Table 10.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
11			1	LNB	LNN	

9 Other Observer Tasks.

9.1 CV waste disposal

All waste produced onboard was retained for disposal ashore, but not in specific containers or bins. The vessel is new and does not dispose of them. Waste were kept in plastic bags and stored on one side.

9.2 Unidentified or IUU vessels

No unidentified or IUU vessels were sighted during the cruise.

9.3 Marine mammals.

No marine mammals were observed during the deployment.

10 Health and Safety on board the CV

Observer was sent to LSTLV for perform the inspections on safety conditions. Observer was able to work on deck safely. No Safety drills were observed during this deployment.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Appendices – 1

Table 11 Non ROP Transhipments

	Vessel	Call sign	Reg. No.	RFMO Number	Date	Lat	Lon	Comments
1					29/03/2019	09°58,591S	00°21,217 E	Vegetables and Gas bombe
2					29/03/2019	09°58,160S	00°21,279 E	F. Food, Vegetables and Gas bombe
3					01/04/2019	05°26,296S	08°56,629 E	Bait and Material
4					03/04/2019	09°35,281S	11°22,913 E	Bait and Material
5	Tuna Queen	HPFK	29233-03-C	AT000PAN00145	10/04/2019	07°08,605S	19°30,951 E	Bait, Material and Bunkering
6					16/04/2019	08°45,182N	22°49,995 W	Parcel Cargo (43 pg)
7					18/04/2019	16°53,159N	25°00,386 W	Tuna and other spp: 160 ton
8					19/04/2019	16°53,154N	25°00,397 W	Tuna and other spp: 140 ton
9					19/04/2019	16°53,149N	25°00,393 W	Tuna and other spp: 90 ton
10					20/04/2019	16°53,135N	25°00,375 W	Tuna and other spp: 80 ton

ICCAT

Observer Report



Trip Number:	233/19
Vessel Name:	MEITA MARU
ICCAT Ref. No.:	AT000LBR00002
Observer Name:	Cansin Alkan
Cruise Dates:	From: 06/04/2019 To: 28/05/2019

1 Cruise Summary

In accordance with the bilateral agreement between Toei Reefer Company LTD. And MRAG LTD., Cansin Alkan (ROP no. 182) joined the Liberian registered Carrier Vessel (CV) Meita Maru (AT000LBR00002) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 06/04/2019 to 28/05/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	MEITA MARU	Call sign:	D5JO8
Port of registration:	Monrovia	Flag State:	Liberia
Owner:	Toei Reefer Co. LTD.	Charterer:	Toei Reefer Co. LTD.
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	4495.955 MT
Size (GRT):	3,802 GRT	Length (LOA):	106.86 m
Vessel monitoring system (present/absent):	Present		
Tuna products already on board (Quantity)	368,511 kg		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, South Africa
Date of embarkation	06/04/2019
Method of embarkation*	Portside
Date of departure	08/04/2019
Date of first transshipment	09/04/2019
Date of last transshipment	25/05/2019
Date of return	28/05/2019
Date of disembarkation	28/05/2019
Method of disembarkation*	Portside
Port of return	Cape Town, South Africa

*(portside, transfer vessel in port, transfer vessel offshore)

4 Carrier Vessel Activities Summary

1.1 Logistics & Areas of Activity

The vessel made a total of 32 transshipments at sea, the locations are shown in detail in

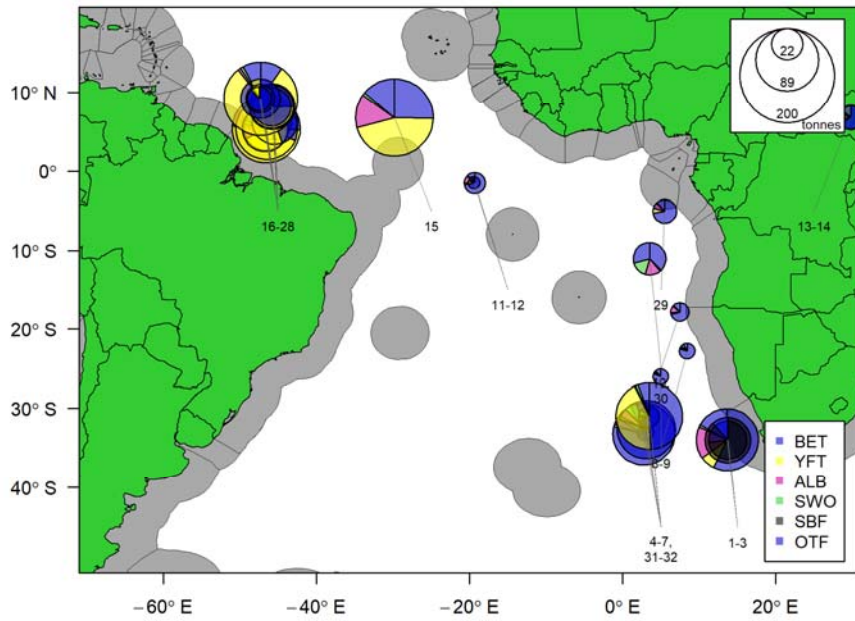


Figure 1, the numbers received by nationality of vessel are given in Table 1.

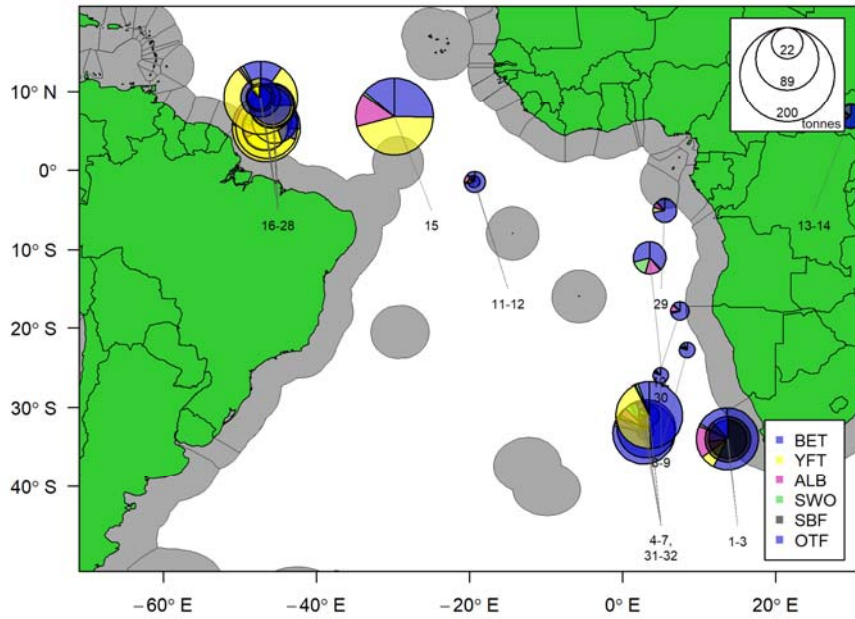


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	13
XXX	5
XXX	11
XXX	3

Comments: 6 Non-ROP transhipments were conducted during the deployment which was presented in Table 12.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Checked	Date	Lat	Long	Transhipment time	% Observed
1				Yes	09/04/2019	33°57 S	013°40 E	08:07	100
2				Yes	10/04/2019	34°00 S	013°43 E	06:47	100
3				Yes	11/04/2019	34°00 S	013°44 E	05:08	100
4				Yes	14/04/2019	33°13 S	002°46 E	03:18	100
5				Yes	14/04/2019	33°09 S	002°47 E	03:00	100
6				Yes	15/04/2019	33°01 S	003°01 E	03:00	100
7				Yes	15/04/2019	32°40 S	003°05 E	03:50	100
8				Yes	17/04/2019	25°59 S	004°58 E	08:27	100
9				Yes	18/04/2019	22°46 S	008°25 E	03:20	100
10				Yes	21/04/2019	11°02 S	003°31 E	03:32	100
11				Yes	26/04/2019	01°31 S	019°19 W	02:00	100
12				Yes	26/04/2019	01°28 S	019°25 W	01:42	100
13				Yes	29/04/2019	06°49 N	029°47 E	00:40	100
14				Yes	29/04/2019	06°49 N	029°48 E	00:44	100
15				Yes	29/04/2019	06°48 N	029°49 W	00:45	100
16				Yes	02/05/2019	05°22 N	046°30 W	01:35	100
17				Yes	02/05/2019	05°21 N	046°34 W	01:10	100
18				Yes	02/05/2019	05°21 N	046°39 W	00:50	100
19				Yes	02/05/2019	05°21 N	046°41 W	01:15	100
20				Yes	03/05/2019	06°15 N	045°26 W	02:17	100
21				Yes	03/05/2019	06°14 N	045°32 W	01:05	100
22				Yes	04/05/2019	08°11 N	045°48 W	00:51	100
23				Yes	04/05/2019	08°10 N	045°49 W	00:37	100
24				Yes	04/05/2019	08°10 N	045°51 W	06:55	100
25				Yes	05/05/2019	09°11 N	047°16 W	00:35	100
26				Yes	05/05/2019	09°12 N	047°18 W	00:40	100
27				Yes	05/05/2019	09°12 N	047°20 W	05:30	100
28				Yes	05/05/2019	09°11 N	047°28 W	01:05	100
29				Yes	18/05/2019	05°04 S	005°30 E	06:30	100
30				Yes	21/05/2019	17°50 S	007°28 E	05:30	100
31				Yes	24/05/2019	30°58 S	003°28 E	02:38	100
32				Yes	24/05/2019	31°01 S	003°25 E	03:05	100

Comments: Observer boarded all the LSPLVs for inspection.

Table 3 Summary of vessel / observer estimated figures (Kg)

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	40,051	41,341	71,868	74,221	1,435	1,653	16,431	23,010	129,785	140,225	10,440	7.45
2	31,941	32,043	63,778	64,147	2,158	1,904	11,111	13,995	108,988	112,089	3,101	2.77
3	31,368	32,363	66,050	68,094	994	1,292	613	938	99,025	102,687	3,662	3.57
4	10,578	11,819	6,668	7,455	72	471	14,652	8,333	31,970	28,078	-3,892	-13.86
5	25,648	10,652	8,593	23,238	617	1,274	9,074	9,397	43,932	44,561	629	1.41
6	7,422	7,862	43,106	45,627	444	989	1,391	2,091	52,363	56,569	4,206	7.44
7	22,753	24,733	25,769	28,035	174	116	1,802	2,431	50,498	55,315	4,817	8.71
8	13,966	14,164	115,961	117,631	1,814	1,937	10,525	11,773	142,266	145,505	3,239	2.23
9	43,804	46,293	3,213	3,393	2,899	2,330	2,912	4,709	52,828	56,725	3,897	6.87
10	13,534	12,575	38,308	35,583	650	523	966	1,524	53,458	50,205	-3,253	-6.48
11	41,272	37,573	2,623	2,371	0	0	0	0	43,895	39,944	-3,951	-9.89
12	37,187	38,472	3,572	3,713	0	0	0	0	40,759	42,185	1,426	3.38
13	20,540	19,828	2,242	2,191	0	0	0	0	22,782	22,019	-763	-3.47
14	13,821	13,821	1,805	1,805	0	0	0	0	15,626	15,626	0	0.00
15	12,670	12,273	2,014	1,967	0	0	0	0	14,684	14,240	-444	-3.12
16	11,404	11,052	800	760	583	510	2,315	2,546	15,102	14,868	-234	-1.57
17	8,647	8,734	287	287	256	205	2,363	1,444	11,553	10,670	-883	-8.28
18	2,887	2,717	368	368	239	239	260	280	3,754	3,604	-150	-4.16
19	11,451	10,923	1,110	1,043	116	116	1,895	1,778	14,572	13,860	-712	-5.14
20	17,593	10,707	677	419	5,994	4,707	7,100	8,451	31,364	24,284	-7,080	-29.15
21	6,574	6,486	264	264	202	202	1,091	1,091	8,131	8,043	-88	-1.09
22	6,846	5,294	177	133	426	426	476	521	7,925	6,374	-1,551	-24.33
23	5,669	5,150	222	185	98	98	449	773	6,438	6,206	-232	-3.74
24	83,648	82,621	1,261	1,261	9,311	9,732	8,919	7,371	103,139	100,985	-2,154	-2.13
25	3,688	3,452	167	167	92	275	793	588	4,740	4,482	-258	-5.76
26	5,396	5,396	55	55	575	366	590	636	6,616	6,453	-163	-2.53
27	70,900	74,859	1,084	1,126	6,562	6,198	6,104	5,434	84,650	87,617	2,967	3.39
28	8,344	7,788	565	525	753	1,036	1,409	1,598	11,071	10,947	-124	-1.13

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
29	54,703	59,262	48,242	52,250	2,500	1,576	2,708	6,595	108,153	119,683	11,530	9.63
30	54,498	59,986	7,398	8,152	1,213	1,277	17,999	17,690	81,108	87,105	5,997	6.88
31	0	0	0	0	0	0	9,943	10,721	39,106	39,700	594	1.50
32	0	0	0	0	0	0	6,678	6,480	60,322	56,378	-3,944	-7.00

Comments: Bigeye tuna (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacares*) were transferred together. It was not possible to determine a count for each individually. The observer counted them together and proportioned each species according to the declared amount in the transhipmen declaration.

Transshipment No. 4: the difference of 13.86% can be accounted for by the 366 pieces more observed Albacore (*Thunnus alalunga*).

Transshipment No. 20: the difference of 29.15% can be accounted for by the additional 172 pieces of bigeye tuna (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacores*) observed.

Transshipment No. 22: the difference of 24.33% can be accounted for by the additional 40 pieces of bigeye tuna (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacores*) observed. The small quantity transhipped reflected a more significant difference.

6 Species and weight transferred

The vessel contained 368,511 kg tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **Error! Reference source not found.**, a breakdown by transshipment is shown in **Error! Reference source not found.**

Table 4 Total weight of fish transhipped by species (Kg)

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight	%	Weight	%
Albacore	<i>Thunnus alalunga</i>	All	1,025	0.07	631	0.04
Albacore	<i>Thunnus alalunga</i>	N	46,951	3.13	53,127	3.48
Albacore	<i>Thunnus alalunga</i>	S	41,270	2.75	36,321	2.38
Atlantic blue marlin	<i>Makaira nigricans</i>	All	1,749	0.12	4,672	0.31
Atlantic blue marlin	<i>Makaira nigricans</i>	N	10,647	0.71	11,461	0.75
Atlantic blue marlin	<i>Makaira nigricans</i>	S	4,573	0.30	6,320	0.41
Bigeye tuna	<i>Thunnus obesus</i>	All	718,803	47.90	710,239	46.50
Black marlin	<i>Makaira indica</i>	SE	575	0.04	460	0.03
Butterfly kingfish	<i>Gasterochisma melampus</i>	SE	4,988	0.33	4,846	0.32
Butterfly kingfish	<i>Gasterochisma melampus</i>	SW	11,092	0.74	12,355	0.81
Dolphinfish	<i>Coryphaena hippurus</i>	All	365	0.02	348	0.02
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	All	422	0.03	1,309	0.09
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	NW	7,336	0.49	7,890	0.52
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	SE	220	0.01	257	0.02
Mako sharks	<i>Isurus spp</i>	All	0	0.00	172	0.01
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	All	522	0.03	1,872	0.12
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	NW	1,494	0.10	1,985	0.13
Oilfish	<i>Ruvettus pretiosus</i>	NW	3,243	0.22	3,031	0.20
Opah	<i>Lampris guttatus</i>	All	743	0.05	851	0.06
Opah	<i>Lampris guttatus</i>	NW	493	0.03	847	0.06
Opah	<i>Lampris guttatus</i>	SE	409	0.03	1,389	0.09
Other fish Unclassified	N/A	All	657	0.04	327	0.02
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	SE	402	0.03	439	0.03
Skipjack tuna	<i>Katsuwonus pelamis</i>	E	24	0.00	32	0.00
Southern bluefin tuna	<i>Thunnus maccoyii</i>	All	82,807	5.52	78,877	5.16
Striped marlin	<i>Tetrapturus audax</i>	All	129	0.01	129	0.01
Striped marlin	<i>Tetrapturus audax</i>	NW	942	0.06	1,040	0.07
Striped marlin	<i>Tetrapturus audax</i>	SE	112	0.01	56	0.00
Striped marlin	<i>Tetrapturus audax</i>	SW	186	0.01	31	0.00
Swordfish	<i>Xiphias gladius</i>	All	2,944	0.20	2,565	0.17
Swordfish	<i>Xiphias gladius</i>	N	31,271	2.08	30,761	2.01
Swordfish	<i>Xiphias gladius</i>	S	5,962	0.40	6,126	0.40
Yellowfin tuna	<i>Thunnus albacares</i>	All	518,247	34.54	546,466	35.78

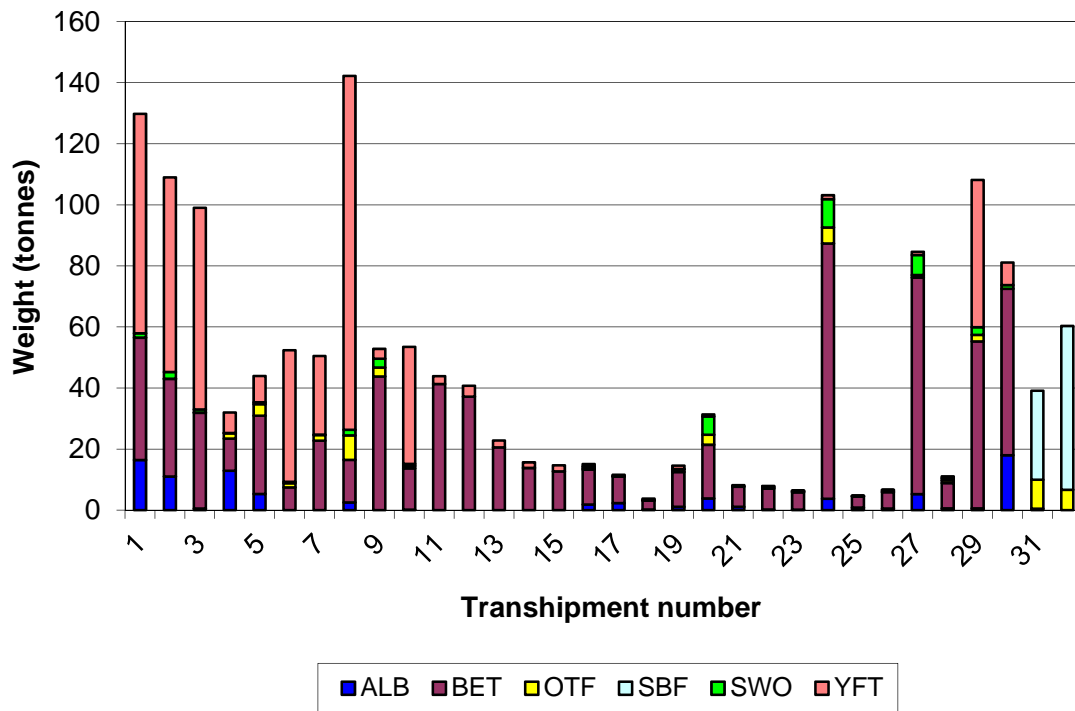


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species (Kg)

Common Name	Scientific name	Average weight
Albacore	<i>Thunnus alalunga</i>	15.33
Atlantic blue marlin	<i>Makaira nigricans</i>	77.84
Bigeye tuna	<i>Thunnus obesus</i>	43.87
Black marlin	<i>Makaira indica</i>	115.00
Butterfly kingfish	<i>Gasterochisma melampus</i>	18.48
Dolphinfish	<i>Coryphaena hippurus</i>	8.69
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	16.76
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	14.72
Oilfish	<i>Ruvettus pretiosus</i>	16.98
Opah	<i>Lampris guttatus</i>	11.83
Other fish Unclassified	N/A	11.14
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	18.27
Skipjack tuna	<i>Katsuwonus pelamis</i>	8.00
Southern bluefin tuna	<i>Thunnus maccoyii</i>	45.05
Striped marlin	<i>Tetrapturus audax</i>	25.83
Swordfish	<i>Xiphias gladius</i>	54.59
Yellowfin tuna	<i>Thunnus albacares</i>	48.03

Comments:

During this deployment, the main transhipped species were yellowfin tuna (*Thunnus albacares*) and bigeye tuna (*Thunnus obesus*). The other transhipped species mainly consisted of albacore (*Thunnus alalunga*), southern bluefin tuna (*Thunnus maccoyii*) and swordfish (*Xiphias gladius*).

Bigeye tuna (*Thunnus obesus*), yellowfin tuna (*Thunnus albacares*), southern bluefin tuna (*Thunnus maccoyii*) and striped marlin (*Tetrapturus audax*) were transhipped gilled & gutted. All of the albacore (*Thunnus alalunga*) and dolphinfish (*Coryphaena hippurus*) were transhipped as round weight. The rest of the species were transhipped as dressed weight.

The CV did not use a hook scale to weigh products. The observer used the average weights declared by the LSPLVs. Numbers of species were obtained via LSPLVs pre-transshipment notification.

7 Southern bluefin tuna transshipments

Table 6 Summary of southern bluefin tuna transshipments

No	Vessel name	ICCAT No	Flag	Checked	Date	Lat	Lon	Transshipment time	% Observed
31				Yes	24/05/2019	30°58 S	003°28 E	02:38	100
32				Yes	24/05/2019	31°01 S	003°25 E	03:05	100

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight of Fish (SBF)	Catch Monitoring Form Number	Tag series number (from – to)
31	9	631	28,979		1 – 631
32	9	1119	49,898		1 – 1119

Comments:

No sampled SBF were seen without tags.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Y	09/04/19	Y	Y	Y	Y	Y	23/11/23	Y	Y	Y	Y	Y	PB	09/04/19
2			Y	10/04/19	Y	Y	Y	Y	Y	08/06/19	Y	Y	Y	Y	Y	PB	09/04/19
3			Y	11/04/19	Y	Y	Y	Y	Y	31/07/20	Y	Y	Y	Y	Y	PB	11/04/19
4			Y	14/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	10/04/19
5			Y	14/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	10/04/19
6			Y	15/04/19	Y	Y	Y	Y	Y	31/07/19	Y	Y	Y	Y	Y	EL	15/04/19
7			Y	15/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	10/04/19
8			Y	17/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	16/04/19
9			Y	18/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	18/04/19
10			Y	21/04/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	20/04/19
11			Y	26/04/19	Y	Y	Y	Y	Y	26/10/19	Y	Y	Y	Y	Y	PB	26/04/19
12			Y	26/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	26/04/19
13			Y	29/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	28/04/19
14			Y	29/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	28/04/19
15			Y	29/04/19	Y	Y	Y	Y	Y	31/12/19	Y	Y	Y	Y	Y	PB	28/04/19
16			Y	02/05/19	N	Y	Y	Y	Y	31/03/22	Y	Y	Y	Y	Y	PB	01/05/19
17			Y	02/05/19	Y	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	01/05/19
18			Y	02/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	01/05/19
19			Y	02/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	30/04/19
20			Y	03/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	02/05/19
21			Y	03/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	30/04/19
22			Y	04/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	03/05/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
23			Y	04/05/19	Y	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	02/05/19
24			Y	04/05/19	Y	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	03/05/19
25			Y	05/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	02/05/19
26			Y	05/05/19	Y	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	05/05/19
27			Y	05/05/19	Y	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	03/05/19
28			Y	05/05/19	N	Y	Y	Y	Y	31/03/20	Y	Y	Y	Y	Y	PB	04/05/19
29			Y	18/05/19	Y	Y	Y	Y	Y	31/07/19	Y	Y	Y	Y	Y	EL	17/05/19
30			Y	21/05/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	20/05/19
31			Y	24/05/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	20/05/19
32			Y	24/05/19	Y	Y	Y	Y	Y	31/07/22	Y	Y	Y	Y	Y	EL	24/05/19

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Comments.

Table 9 Comments on LSPLV checks

No	Comments
16	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "XXX". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.</p> <p>Figure 3 XXX Bow markings</p>
18	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "XXX". This was picked up as a PNC at debriefing and reported to XXX.</p> <p>Figure 4 XXXBow Markings</p>
19	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "Jin Feng .3". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.</p> <p>Figure 5 XXX Bow Markings</p>
20	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "XXX". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.</p> <p>Figure 6 XXX Bow Markings</p>
21	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as XXX". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.</p>

	Figure 7 XXX Bow markings
22	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "XXX". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.</p> <p>Figure 8 XXX Bow markings</p>
25	<p>XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "XXX". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.</p> <p>Figure 9 XXX Bow Markings</p>

28

XXXThe name of the LSPLV is recorded as "XXX" in ICCAT database and RAV. However, the vessel markings and the documentation are recorded as "XXX". The observer reported this during the deployment, however, these weren't submitted as PNCs by the consortium as they had been recently reported on deployment 230/19.

Figure 10 XXXBow markings

The observer made (8) Potential Non Compliance (PNC) reports summarised below in Table 10. However, these had been recently submitted to the CPC under a previous deployment. Transshipment 18 was submitted at debriefing.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
16			23316	IIM		
18			23318	IIM		
19			23319	IIM		
20			23320	IIM		
21			23321	IIM		
22			23322	IIM		
25			23325	IIM		
28			23328	IIM		

9 Other Observer Tasks.

9.1 CV waste disposal

Wastes kept in containers and on board to be discarded on arrival to the port. Outdoor wastes were covered with a net for protection from the rough weather (Fig. 12). Other wastes were separated in container as plastic, paper, can and glass (Fig. 13).



Figure 11 Outdoor wastes

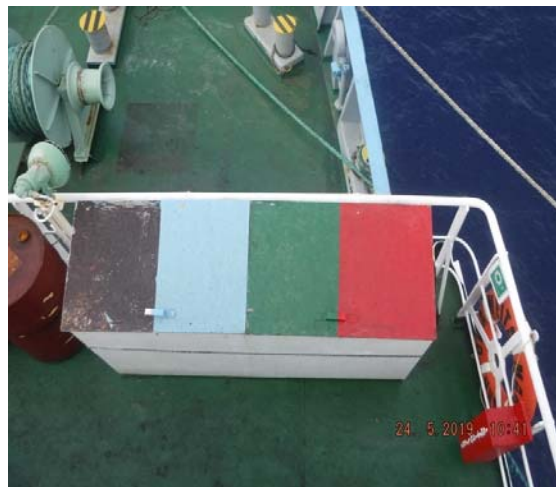


Figure 12 Waste container

9.2 Unidentified or IUU vessels

IUU vessels were not observed during this deployment.

9.3 Marine mammals.

Marine mammals were not observed during this deployment.

Table 11 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
N/A						

10 Health and Safety on board the CV

No health and Safety issue was observed during the deployment.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Table 12 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments
		14.04.2019	33° 13' S	02° 46' E	Dry cargo
		18.04.2019	22° 49' S	08° 26' E	Dry cargo
		19.04.2019	18° 35' S	06° 30' E	Dry cargo & Bait
		23.04.2019	10° 56' S	04° 33' W	Dry cargo
		24.05.2019	30° 58' S	03° 30' E	Dry cargo
		25.05.2019	33° 50' S	03° 21' E	Dry cargo & Bait & Vegetable

ICCAT

Observer Report



Trip Number:	234-19
Vessel Name:	IBUKI
ICCAT Ref. No.	AT000PAN00163
Observer Name:	J. Newton
Cruise Dates:	15/05/2019 to 23/06/2019 (In Atlantic area) 15/05/2019 to 05/08/2019 (on board)

1 Cruise Summary

In accordance with the bilateral agreement between MRS Corporation and Capricorn Fisheries Monitoring CC, Jonathan Newton (ICCAT 013) joined the Panama registered Carrier Vessel (CV) IBUKI (AT000PAN00163) as the ROP observer, monitoring the transshipment of tuna-tuna-like species and other species caught in association with these species in the Atlantic Ocean from 15/05/2019 to 23/06/2019. The CV sailed directly from the Atlantic Ocean to the Indian Ocean without a port call and the observer remained on board to monitor IOTC ROP transshipments after 23/06/2019 and disembarked on 05/08/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Ibuki	Call sign:	3ELC8
Port of registration:	Panama	Flag State:	Panama
Owner:	Star Navigation SA	Charterer:	MRS Corporation
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	284,042cuft
Size (GRT):	6558t	Length (LOA):	134.15m
On-board acoustic equipment:	FURUNO FE 700		
Position fixing equipment:	FURUNO NAVIGATOR GP-150 x2		
Vessel monitoring system (present/absent):	Present		
Radar:	FURUNO RCU-014 x2		
Communications equipment:	SSB FS-2575C x2, FURUNO RC-8900 VHF x2		
Plotters:	None		
Tuna products already on board (Quantity)	413.67t		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town
Date of embarkation	15/05/2019
Method of embarkation*	Portside
Date of departure	15/05/2019
Date of first transshipment	18/05/2019
Date of last transshipment	21/06/2019
Date when CV left the ICCAT area	23/03/2019
Date of return	05/08/2019
Date of disembarkation	05/08/2019
Method of disembarkation*	Transfer vessel in port
Port of return	Singapore

4 Carrier Vessel Activities Summary

4.1 Logistics & Areas of Activity

The carrier vessel made a total of 36 transshipments at sea, the locations are shown in detail in Figure 1. The numbers received by nationality of vessel are given in Table 1. The CV initially planned to make a port call to exchange observers in Walvisbay, Namibia. However, the observer agreed to remain on board to monitor IOTC ROP transshipments up to Singapore and the port call was cancelled. The CV crossed over from the Atlantic to the Indian Oceans on 23/06/2019 and the observer disembarked on 05/08/2019.

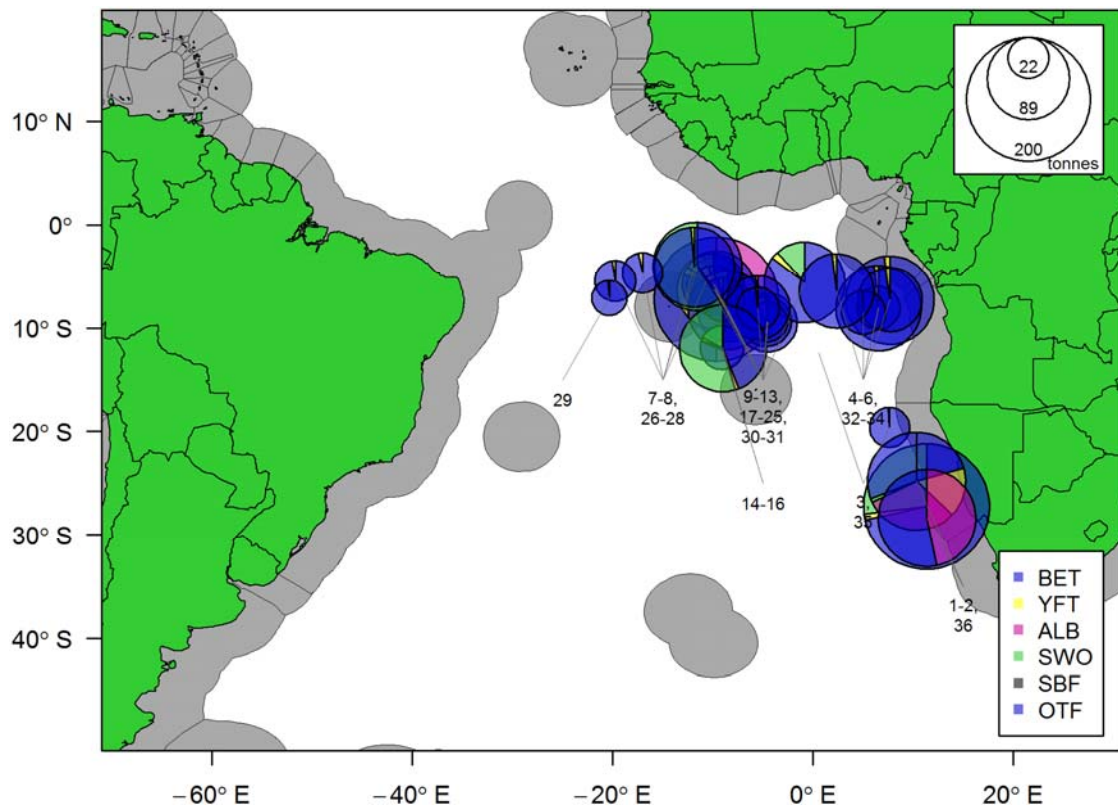


Figure 1 Location of transshipments.

Table 1 Transshipments made by nationality

Nationality	Transshipments made
XXX	9
XXX	20
XXX	6
XXX	1

Comments: 3 non ROP supply transshipments were performed. See Table 9.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
1				17/05/19	27°14.575 S	011°18.743 E	Yes	01:30	100.00%
2				18/05/19	24°47.845 S	010°19.278 E	Yes	06:20	100.00%
3				21/05/19	12°25.599 S	000°33.312 E	Yes	03:00	100.00%
4				23/05/19	07°17.882 S	007°39.569 E	Yes	01:36	100.00%
5				23/05/19	07°14.692 S	007°40.339 E	Yes	02:40	100.00%
6				24/05/19	08°29.08 S	005°01.63 E	Yes	02:00	100.00%
7				27/05/19	05°30.949 S	010°38.032 W	Yes	02:00	100.00%
8				27/05/19	05°26.491 S	019°44.21 W	Yes	02:35	100.00%
9				27/05/19	05°50.295 S	009°50.475 W	Yes	01:20	100.00%
10				28/05/19	05°47.089 S	009°57.992 W	Yes	01:20	100.00%
11				29/05/19	06°19.924 S	009°41.188 W	Yes	03:40	100.00%
12				29/05/19	06°17.269 S	009°47.649 W	Yes	00:40	100.00%
13				29/05/19	06°14.991 S	009°53.851 W	Yes	04:00	100.00%
14				31/05/19	11°57.458 S	009°00.007 W	Yes	01:05	100.00%
15				31/05/19	11°56.003 S	009°01.632 W	Yes	02:00	100.00%
16				31/05/19	11°53.541 S	009°04.944 W	Yes	01:00	100.00%
17				01/06/19	07°16.4 S	009°35.68 W	Yes	02:52	100.00%
18				01/06/19	07°12.996 S	009°39.288 W	Yes	04:25	100.00%
19				02/06/19	08°25.215 S	008°29.905 W	Yes	04:35	100.00%
20				02/06/19	08°16.869 S	008°30.53 W	Yes	02:00	100.00%
21				03/06/19	08°06.054 S	005°29.614 W	Yes	01:00	100.00%
22				03/06/19	08°01.223 S	005°32.403 W	Yes	00:40	100.00%
23				04/06/19	09°24.272 S	004°32.604 W	Yes	06:05	100.00%
24				05/06/19	09°28.221 S	004°32.044 W	Yes	05:15	100.00%
25				05/06/19	09°22.329 S	004°39.319 W	Yes	01:15	100.00%
26				07/06/19	04°01.998 S	011°32.647 W	Yes	02:10	100.00%
27				07/06/19	04°06.04 S	011°50.261 W	Yes	01:10	100.00%
28				08/06/19	04°38.868 S	017°00.868 W	Yes	03:15	100.00%

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transshipment time	% Observed
29				09/06/19	07°04.668 S	020°19.596 W	Yes	00:55	100.00%
30				12/06/19	07°14.427 S	009°01.356 W	Yes	04:40	100.00%
31				14/06/19	05°35.116 S	000°51.17 W	Yes	02:40	100.00%
32				15/06/19	06°24.642 S	002°20.314 E	Yes	02:35	100.00%
33				16/06/19	08°04.92 S	006°31.751 E	Yes	00:45	100.00%
34				16/06/19	08°03.273 S	006°30.897 E	Yes	08:30	100.00%
35				19/06/19	19°35.329 S	007°38.081 E	Yes	05:05	100.00%
36				21/06/19	28°21.182 S	011°21.774 E	No	04:25	100.00%

Comments: The on-board inspection was not performed during transshipment 36 due to rough weather.

Table 3 Summary of vessel / observer estimated figures

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	27.961	27.965	0.594	0.594	0	0	0	0	28.555	28.559	0.00	0.01%
2	0	0	0	0	0	0	91.85	98.78	91.85	98.78	6.93	7.02%
3	36.386	36.883	36.36	36.283	0.5	0.774	5.193	4.197	78.439	78.137	-0.30	-0.39%
4	43.308	43.705	0.71	0.767	0	0	0	0	44.018	44.472	0.45	1.02%
5	35.533	34.701	0.219	0.219	11.101	8.34	0	0	46.853	43.26	-3.59	-8.31%
6	31.535	32.237	0.37	0.476	6.905	6.3	0	0	38.81	39.013	0.20	0.52%
7	38.792	39.74	2.278	1.98	8.428	7.7	0	0	49.498	49.42	-0.08	-0.16%
8	39.448	40.92	1.385	1.172	5.057	4.901	0	0	45.89	46.993	1.10	2.35%
9	29.794	29.043	3.369	2.621	0	0	0	0	33.163	31.664	-1.50	-4.73%
10	26.447	25.986	2.152	2.253	1.575	1.05	0	0	30.174	29.289	-0.88	-3.02%
11	71.873	71.28	2.982	2.407	9.508	9.876	0	0	84.363	83.563	-0.80	-0.96%
12	19.869	20.1	0.223	0.223	0	0	0	0	20.092	20.323	0.23	1.14%
13	70.282	72.24	2.301	3.068	4.861	4.587	0	0	77.444	79.895	2.45	3.07%
14	23.419	23.774	0.66	0.72	0	0	0	0	24.079	24.494	0.41	1.69%
15	54.186	52.566	0.172	0.516	0	0	0	0	54.358	53.082	-1.28	-2.40%
16	22.846	22.7	0.305	0.42	0	0	0	0	23.151	23.12	-0.03	-0.13%
17	62.916	60.408	2.569	2.472	2.28	4.741	0	0	67.765	67.621	-0.14	-0.21%
18	45.006	40.149	1.024	1.113	60.362	59.439	0	0	106.392	100.701	-5.69	-5.65%
19	82.212	81.158	0.42	1.145	0	0	0	0	82.632	82.303	-0.33	-0.40%

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
20	20.145	19.841	0.692	0.784	0	0	0	0	20.837	20.625	-0.21	-1.03%
21	20.567	20.786	0.491	0.54	0	0	0	0	21.058	21.326	0.27	1.26%
22	15.741	15.628	0.203	0.203	0	0	0	0	15.944	15.831	-0.11	-0.71%
23	97.086	98.09	1.352	2.164	0	0	0	0	98.438	100.254	1.82	1.81%
24	91.515	91.825	0	1.566	0	0	0	0	91.515	93.391	1.88	2.01%
25	23.014	23.119	0.221	0.773	0	0	0	0	23.235	23.892	0.66	2.75%
26	52.779	51.585	1.19	1.19	0	0	0	0	53.969	52.775	-1.19	-2.26%
27	24.267	24.27	0.375	0.348	0	0	0	0	24.642	24.618	-0.02	-0.10%
28	70.737	69.548	1.519	1.402	0	0	0	0	72.256	70.95	-1.31	-1.84%
29	18.653	19.63	0.609	0.545	4.863	4.3	0	0	24.125	24.475	0.35	1.43%
30	42.717	42.542	0.736	1.276	51.104	52.75	0	0	94.557	96.568	2.01	2.08%
31	41.593	41.03	0.57	0.761	6.683	6.3	0	0	48.846	48.091	-0.76	-1.57%
32	55.412	55.89	0.54	0.73	0	0	0	0	55.952	56.62	0.67	1.18%
33	19.279	20.202	0.453	0.226	0	0	0	0	19.732	20.428	0.70	3.41%
34	147.539	144.609	3.631	3.063	52.318	54.417	0	0	203.488	202.089	-1.40	-0.69%
35	23.932	25.528	21.679	20.146	1.118	1.576	38.419	38.014	85.148	85.264	0.12	0.14%
36	0	0	0	0	0	0	65.26	64.763	65.26	64.763	-0.50	-0.77%

Comments:

Only albacore (*Thunnus alalunga*) was transhipped during Transhipment 2 (98.780t). This component is reflected under "Other" in table 3.3

Transhipments 35 and 36 contained 38.014 and 56.763t of albacore (*T. alalunga*) respectively. This component is reflected under "Other" in table 3.3

6 Species and weight transferred

The carrier vessel contained 413.67 tons of tuna products (obtained from transhipments in the Indian Ocean) when the observer boarded. The total declared weight of all species transferred during the trip is shown in **Error! Reference source not found.**, a breakdown by transhipment is shown in **Error! Reference source not found.**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight (t)	%	Weight (t)	%
Albacore	<i>Thunnus alalunga</i>	All	187.30	9.15%	193.56	9.46%
Atlantic blue marlin	<i>Makaira nigricans</i>	All	3.52	0.17%	3.60	0.18%
Bigeye tuna	<i>Thunnus obesus</i>	All	1526.79	74.60%	1519.68	74.25%
Opah	<i>Lampris guttatus</i>	All	8.23	0.40%	8.00	0.39%
Other fish		All	1.58	0.08%	0.60	0.03%
Striped marlin	<i>Tetrapturus audax</i>	All	0.10	0.00%	0.00	0.00%
Swordfish	<i>Xiphias gladius</i>	All	30.20	1.48%	7.07	0.35%
Swordfish	<i>Xiphias gladius</i>	N	3.86	0.19%	15.36	0.75%
Swordfish	<i>Xiphias gladius</i>	S	192.61	9.41%	204.62	10.00%
Yellowfin tuna	<i>Thunnus albacares</i>	All	92.35	4.51%	94.17	4.60%

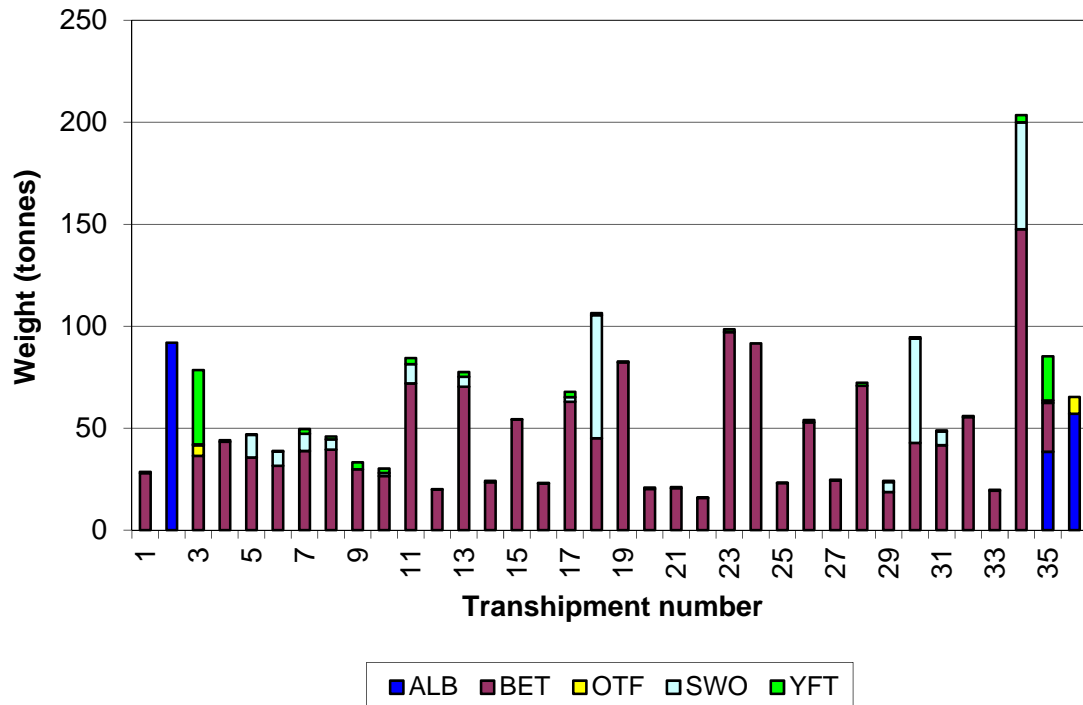


Figure 2 Proportions, by weight, of fish species transferred by transhipment.

Table 5 Average weight of fish transhipped by species

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	14.79
Atlantic blue marlin	<i>Makaira nigricans</i>	78.18
Bigeye tuna	<i>Thunnus obesus</i>	40.79
Opah	<i>Lampris guttatus</i>	13.00
Other fish Unclassified	N/A	25.00
Striped marlin	<i>Tetrapturus audax</i>	20.00
Swordfish	<i>Xiphias gladius</i>	53.99
Yellowfin tuna	<i>Thunnus albacares</i>	44.62

Comments: The main species transhipped to the CV were bigeye tuna (*Thunnus obesus*), swordfish (*Xiphias gladius*), albacore (*Thunnus alalunga*) and yellowfin tuna (*Thunnus albacares*). Atlantic blue marlin (*Makaira nigricans*), opah (*Lampris guttatus*) and striped marlin (*Tetrapturus audax*) and other fish unclassified were transhipped in smaller quantities.

The main product types used by the LSPLVs for (*T. obesus*) and (*T. albacares*) were gilled and gutted (GG [T gills and guts are removed but head remains attached to body]). Swordfish (*X. gladius*) were either filleted or dressed (the head and guts are removed and the fins trimmed off). Marlins (various species) were dressed and albacore (*T. alalunga*) were kept in the round (Whole with fins trimmed off).

A cargo net was not used but fish were transferred in strings containing from 10 to 50 fish. A crane scale was not in use.

7 Southern bluefin tuna transhipments.

No southern bluefin transhipped on this deployment.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 6 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Yes	17/05/19	Yes	Yes	Yes	Yes	Yes	24/05/19	Yes	Yes	Yes	Yes	Yes	PB	12/05/19
2			Yes	18/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	17/05/18
3			Yes	21/05/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	17/07/19
4			Yes	23/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	23/05/19
5			Yes	23/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	23/05/19
6			Yes	24/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	23/05/19
7			Yes	27/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	27/05/19
8			Yes	27/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	27/05/19
9			Yes	27/05/19	Yes	Yes	Yes	Yes	Yes	06/09/19	Yes	Yes	Yes	Yes	Yes	PB	26/09/19
10			Yes	28/05/19	Yes	Yes	Yes	Yes	Yes	05/08/19	Yes	Yes	Yes	Yes	Yes	PB	27/05/19
11			Yes	29/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/05/19
12			Yes	29/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/05/19
13			Yes	29/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/05/19
14			Yes	31/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/05/19
15			Yes	31/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	30/05/19
16			Yes	31/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/05/19
17			Yes	01/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	31/05/19
18			Yes	01/06/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	02/06/19
19			Yes	02/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	02/06/19
20			Yes	02/06/19	Yes	Yes	Unk**	Yes	Yes	21/03/23	Yes	Yes	Yes	Yes	Yes	PB	01/06/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
21			Yes	03/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	02/06/19
22			Yes	03/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	03/06/19
23			Yes	04/06/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	01/06/19
24			Yes	05/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	05/06/19
25			Yes	05/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	05/06/19
26			Yes	07/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	06/06/19
27			Yes	07/06/19	Yes	Yes	Unk**	Yes	Yes	31/01/20	Yes	Yes	Yes	Yes	Yes	PB	06/06/19
28			Yes	08/06/19	Yes	Yes	Unk**	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	08/06/19
29			Yes	09/06/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	09/06/19
30			Yes	12/06/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	12/06/19
31			Yes	14/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	13/06/19
32			Yes	15/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	14/06/19
33			Yes	16/06/19	Yes	Yes	Yes	Yes	No	31/03/19	Yes	Yes	Yes	Yes	Yes	PB	16/06/19
34			Yes	16/06/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	16/06/19
35			Yes	19/06/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	18/06/19
36			No	21/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	No		Yes	PB	20/06/19

Comments: *EL – Electronic, **PB** – Printed and Bound, **PU** – Printed and Unbound, **UB** – Unprinted and Bound, **UU** – Unprinted and Unbound
Transhipment 36, LSPLV inspection not performed due to rough weather.

** The LSPLVs did not display the NRN and was therefore not verified.

Table7: Comments on LSPLV checks

No	Comments
11	<p>The VMS unit was connected to a power switch.</p> <p>Figure 3 VMS and associated power switch fitted on board the XXX</p>
14	<p>During the LSPLV on-board check, the observer was informed the LSPLV would tranship all the fish on board. However, the observer noted some fish remaining in the hold after the transhipment was concluded and queried this. The LSPLV master then indicated there was 5 tons remaining on board.</p>
20	<p>During the LSPLV on-board check, the observer was informed the LSPLV would tranship all the fish on board. However, the observer noted some fish remaining in the hold after the transhipment was concluded and queried this. The LSPLV master then indicated there was 3 tons remaining on board.</p>
22	<p>The registration number reflected in the XXXproduced by XXXdid not concur with the NRN provided in the current ICCAT vessel list ((XXX</p> <p>Figure 4 NRN on the ATF of the XXX (left) compared to the ICCAT record (Right)</p>
	<p>The VMS system was fitted with a power switch.</p> <p>Figure 5 VMS and switch on board the XXX</p>
25	<p>The ATF produced during the on-board check reflected a XXX which did not concur with the NRN XXX provided in the current ICCAT vessel list.</p> <p>Figure 6 NRN on the ATF of the XXX (left) compared to the ICCAT record (Right)</p>
30	<p>The VMS unit was fitted with a power switch.</p> <p>Figure 7 Switch fitted to the VMS system on board the XXX</p>

35	The VMS unit was fitted with a power switch. Figure 8 Switch fitted to the VMS system on board the LSPLV XXX
36	The observer did not board the LSPLV for the on-board check due to rough conditions.

Comments:

The observer did not make any Potential Non Compliance (PNC) reports on this deployment.

9 Other Observer Tasks.

9.1 CV waste disposal

The CV has drums to store was on board. The drums were labelled and colour-coded to ensure the correct waste category was disposed to the respective drums. In addition, a section of deck was netted off to store waste bags and other types of waste.



Figure 9 Waste storage on board the CV

9.2 Unidentified or IUU vessels

None unidentified or IUU vessels were sighted.

9.3 Marine mammals.

Table 8 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
27/05/2019	13:00	05 26.49	10 44.21	Pilot whale (<i>Globicephala</i> <i>spp.</i>)	2	Swimming
07/06/2019	16:00	07 04.66	20 19.59	Dolphin	40+	Surfing

10 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Appendix 1.

Table 9 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		19/05/2019	07 23.646S	07 34.783E	Food, Bait, Supplies	4
		28/05/2019	05 50.295S	09 50.475W	Food, Supplies	5
		09/06/2019	06 55.565S	19 57.873W	Food, Supplies	7

ICCAT

235

Observer Report



Trip Number:	235-19
Vessel Name:	TAISEI MARU No.24
ICCAT Ref. No.	AT000JPN00571
Observer Name:	A.T. Dimitrov
Cruise Dates:	From: 21/05/2019 To: 15/07/2019

1 Cruise Summary

In accordance with the bilateral agreement between Taisei Maru Kaiun Kaisha Co. LTD. and Capfish CC., A.T. Dimitrov (ROP No.117) joined the Japan registered Carrier Vessel (CV) Taisei Maru No.24 (RFMO No.AT000JPN00571) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 21/05/2019 to 15/07/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSPLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSPLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	TAISEI MARU No.24	Call sign:	JILE
Port of registration:	ISE - SHI	Flag State:	Japan
Owner:	TAISEI MARU KAIUN KAISHA CO., LTD.	Charterer:	TAISEI MARU KAIUN KAISHA CO., LTD.
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	6347.5m ³ .
Size (GRT):	4992t.	Length (LOA):	124.25m.
On-board acoustic equipment:		JRC - JFE 570S	
Position fixing equipment:		JRC - Type JLR - 7700MKII	
Vessel monitoring system (present/absent):		Present: JRC JUE - 95VM INMARSAT C	
Radar:		1 x JMA - 9132SA / 1 x MPBX41984A	
Communications equipment:		MF/HF: JRC NCH - 801 / NCH - 802 2 x VHF: JRC JHS - 31 Inmarsat F33, FB and C	
Plotters:		MPBX41984A	
Tuna products already on board (Quantity)		414.852t.	

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, South Africa
Date of embarkation	21/05/2019
Method of embarkation*	Portside
Date of departure	21/05/2019
Date of first transshipment	23/05/2019
Date of last transshipment	12/07/2019
Date of return	15/07/2019
Date of disembarkation	15/07/2019
Method of disembarkation*	Portside
Port of return	Cape Town, South Africa

4 Carrier Vessel Activities Summary

4.1 Logistics & Areas of Activity

The carrier vessel made a total of 38 transhipments at sea. The locations are shown in detail in Figure 1 and the numbers received by nationality of vessel are given in Table 1.

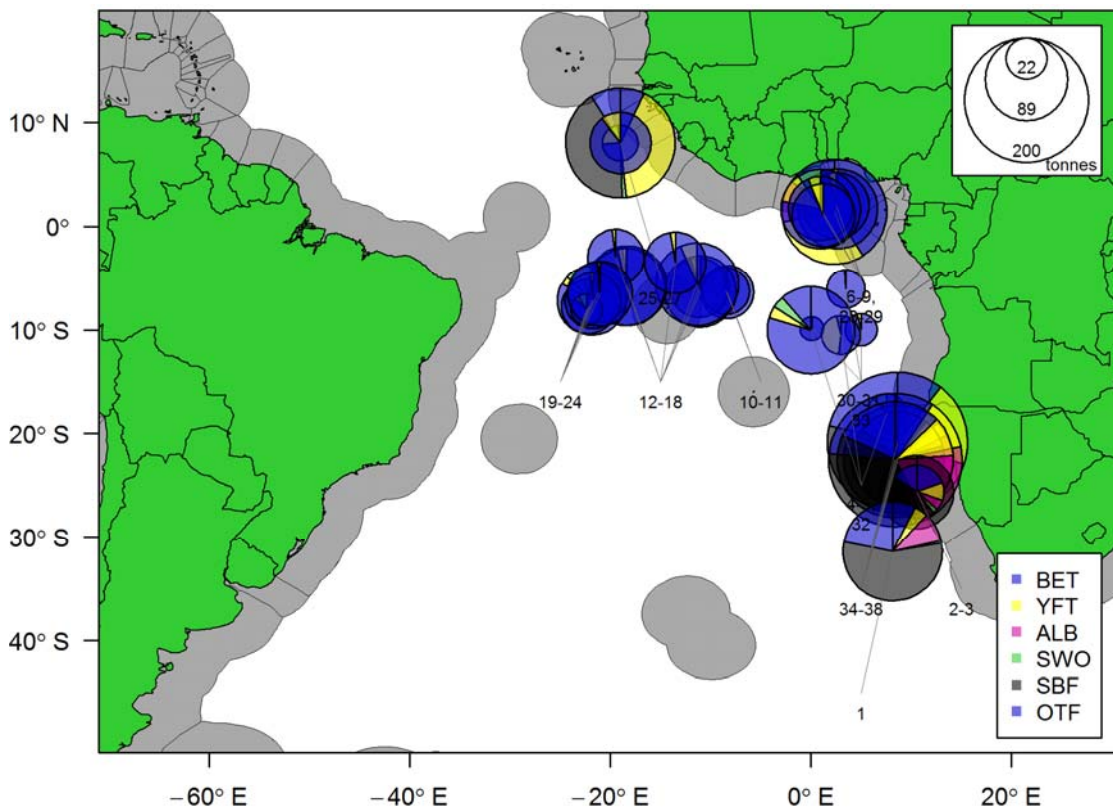


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	1
XXX	24
XXX	12
XXX	1

Comments: CV made additional of 5 Non-ROP transhipments, supplying fuel, bait dry cargo and frozen food. A summary of these cargo transhipments are provided in table 12.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
1				Yes	23/05/19	31°21.651 S	008°08.225 E	07:05	100.00%
2				Yes	26/05/19	25°38.714 S	010°32.73 E	01:15	100.00%
3				Yes	26/05/19	25°36.007 S	010°34.008 E	02:00	100.00%
4				Yes	28/05/19	18°00.159 S	007°32.929 E	04:30	100.00%
5				Yes	30/05/19	10°29.335 S	002°58.994 E	02:55	100.00%
6				Yes	02/06/19	01°05.146 N	001°14.695 E	03:00	100.00%
7				Yes	03/06/19	01°24.657 N	002°19.583 E	03:35	100.00%
8				Yes	04/06/19	01°41.648 N	002°39.396 E	02:00	100.00%
9				Yes	04/06/19	02°00.834 N	002°29.806 E	02:00	100.00%
10				Yes	07/06/19	06°20.722 S	008°21.594 W	01:30	100.00%
11				Yes	07/06/19	06°16.273 S	008°27.312 W	01:05	100.00%
12				Yes	08/06/19	05°34.405 S	011°20.898 W	01:25	100.00%
13				Yes	09/06/19	05°55.503 S	011°08.372 W	02:05	100.00%
14				Yes	10/06/19	06°16.798 S	011°01.587 W	03:00	100.00%
15				Yes	11/06/19	03°29.806 S	013°31.688 W	04:10	100.00%
16				Yes	13/06/19	02°59.063 S	019°27.224 W	04:25	100.00%

17				Yes	14/06/19	05°44.287 S	018°21.031 W	02:10	100.00%
18				Yes	14/06/19	05°50.117 S	018°23.124 W	01:55	100.00%
19				Yes	15/06/19	06°30.144 S	021°02.203 W	02:45	100.00%
20				Yes	15/06/19	06°24.236 S	021°13.594 W	01:20	100.00%
21				Yes	16/06/19	07°10.251 S	021°43.946 W	01:40	100.00%
22				Yes	16/06/19	07°10.149 S	021°51.394 W	01:10	100.00%
23				Yes	17/06/19	07°43.987 S	022°09.415 W	00:30	100.00%
24				Yes	17/06/19	08°02.822 S	022°21.937 W	01:55	100.00%
25				Yes	25/06/19	08°00.965 N	018°59.626 W	00:40	100.00%
26				Yes	25/06/19	08°01.385 N	019°00.006 W	00:25	100.00%
27				Yes	25/06/19	08°00.896 N	019°01.021 W	00:20	100.00%
28				Yes	29/06/19	01°40.639 N	000°58.872 E	00:45	100.00%
29				Yes	29/06/19	01°43.427 N	000°56.212 E	00:40	100.00%
30				Yes	01/07/19	06°01.85 S	003°29.225 E	04:35	100.00%
31				Yes	04/07/19	09°58.859 S	004°59.66 E	09:20	100.00%
32				Yes	07/07/19	10°01.033 S	000°00.691 E	04:25	100.00%
33				Yes	07/07/19	09°52.654 S	000°05.229 E	03:40	100.00%
34				Yes	10/07/19	20°49.524 S	008°37.154 E	08:20	100.00%
35				Yes	11/07/19	22°30.364 S	008°40.489 E	05:40	100.00%

36				Yes	11/07/19	22°23.942 S	008°38.542 E	02:20	100.00%
37				Yes	12/07/19	22°32.87 S	008°24.709 E	01:35	100.00%
38				Yes	12/07/19	22°30.187 S	008°23.432 E	05:50	100.00%

Comments: The observer was able to observe the full duration of all transhipments.

Table 3 Summary of vessel / observer estimated figures

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	9.674	9.684	58.243	56.637	1.453	1.454	12.545	12.369	139.031	137.174	-1.86	-1.35%
2	11.07	10.738	2.806	2.233	1.113	1.175	0.36	0.37	15.349	14.516	-0.83	-5.74%
3	37.664	38.6	4.606	4.4	0	0	0	0	42.27	43	0.73	1.70%
4	52.116	51.248	39.087	39.092	2.835	2.915	15.756	16.275	109.794	109.53	-0.26	-0.24%
5	73.544	71.87	0.994	1.001	0	0	0	0	74.538	72.871	-1.67	-2.29%
6	48.442	47.99	1.827	1.816	0	0	0	0	50.269	49.806	-0.46	-0.93%
7	56.661	56.5	8.8	8.85	7.068	6.95	0	0	72.529	72.3	-0.23	-0.32%
8	44.2	43.774	2.912	2.915	0	0	0	0	47.112	46.689	-0.42	-0.91%
9	44.976	42.572	2.958	2.95	0	0	0	0	47.934	45.522	-2.41	-5.30%
10	33.443	31.642	0.6	0.595	0	0	0	0	34.043	32.237	-1.81	-5.60%
11	25.652	24.199	0.795	0.788	0	0	0	0	26.447	24.987	-1.46	-5.84%
12	40.608	39.503	0.968	0.826	0	0	0	0	41.576	40.329	-1.25	-3.09%
13	58.08	55.624	2.816	2.835	0	0	0	0	60.896	58.459	-2.44	-4.17%
14	78.624	73.181	5.3	5.25	0	0	0	0	83.924	78.431	-5.49	-7.00%
15	72.468	72	1.392	1.4	0	0	0	0	73.86	73.4	-0.46	-0.63%
16	66.736	66.1	2.548	2.55	0	0	0	0	69.284	68.65	-0.63	-0.92%
17	40.752	41.957	1.254	1.093	0	0	0	0	42.006	43.05	1.04	2.43%
18	36.176	35.644	0.72	0.724	0	0	0	0	36.896	36.368	-0.53	-1.45%
19	44.289	45.601	1.98	2.021	7.191	7.02	0	0	53.46	54.642	1.18	2.16%
20	35.475	33.295	0.744	0.744	0	0	0	0	36.219	34.039	-2.18	-6.40%
21	39.006	41.172	0.38	0.388	0	0	0	0	39.386	41.56	2.17	5.23%
22	36.61	35.666	0.315	0.625	0	0	0	0	36.925	36.291	-0.63	-1.75%
23	9.471	9.84	0.4	0.405	0.96	1.045	0	0	10.831	11.29	0.46	4.07%
24	49.566	47.462	0.57	0.564	0	0	0	0	50.136	48.026	-2.11	-4.39%
25	17.05	16.5	0.204	0.203	0	0	0	0	17.254	16.703	-0.55	-3.30%
26	12.078	11.419	0.468	0.468	0	0	0	0	12.546	11.887	-0.66	-5.54%

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
27	6.3	6.416	0.085	0.086	0	0	0	0	6.385	6.502	0.12	1.80%
28	9.456	9.3	5.885	5.75	2.132	2.06	0	0	17.473	17.11	-0.36	-2.12%
29	9.129	8.949	7.738	7.578	0.73	0.66	0	0	17.597	17.187	-0.41	-2.39%
30	73.48	69.64	3.645	3.955	4.13	3.954	12.371	10.093	93.626	87.642	-5.98	-6.83%
31	25.926	23.933	44.655	43.792	3.91	3.903	53.241	47.742	189.903	181.545	-8.36	-4.60%
32	17.999	17.81	6.109	6.144	1.8	2.053	31.804	29.41	121.927	118.154	-3.77	-3.19%
33	10.44	10.348	10.488	10.221	0.328	0.33	16.212	13.881	102.223	96.069	-6.15	-6.41%
34	18.87	19.009	28.89	25.481	2.235	2.237	50.582	47.886	162.897	156.795	-6.10	-3.89%
35	20.32	19.8	17.174	17	1.253	1.363	28.672	28.129	128.522	126.707	-1.82	-1.43%
36	0	0	0	0	0	0	0	0	65.764	62.203	-3.56	-5.72%
37	6.55	6.406	3.465	3.495	0.92	0.952	5.219	5.191	31.229	30.805	-0.42	-1.38%
38	9.141	8.476	6.494	4.981	0.4	0.946	26.305	24.631	106.579	102.168	-4.41	-4.32%

Comments: All observer estimations were within 10% of the declared amounts.

6 Species and weight transferred

The vessel contained 414.852 t of tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **Error! Reference source not found.**, a breakdown by transshipment is shown in **Error! Reference source not found.**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed weight (t)	Observed %	Declared weight (t)	Declared %
Albacore	<i>Thunnus alalunga</i>	N	15.756	0.67%	16.275	0.71%
Albacore	<i>Thunnus alalunga</i>	S	163.489	6.90%	153.381	6.65%
Atlantic blue marlin	<i>Makaira nigricans</i>	N	0	0.00%	2.004	0.09%
Atlantic blue marlin	<i>Makaira nigricans</i>	S	12.68	0.54%	15.069	0.65%
Atlantic sailfish	<i>Istiophorus albicans</i>	NE	0	0.00%	2.419	0.10%
Atlantic sailfish	<i>Istiophorus albicans</i>	SE	0	0.00%	1.576	0.07%
Atlantic white marlin	<i>Tetrapturus albidus</i>	S	0.36	0.02%	0.54	0.02%
Bigeye tuna	<i>Thunnus obesus</i>	All	1282.042	54.13%	1254.612	54.42%
Butterfly kingfish	<i>Gasterochisma melampus</i>	SE	0	0.00%	33.867	1.47%
Dolphinfish	<i>Coryphaena hippurus</i>	NE	0	0.00%	0.451	0.02%
Dolphinfish	<i>Coryphaena hippurus</i>	SE	0	0.00%	0.19	0.01%
Mako sharks	<i>Isurus spp</i>	SE	1.16	0.05%	0	0.00%
Marlins, sailfishes, etc.	<i>Istiophoridae</i>	NE	3.89	0.16%	0	0.00%
Marlins, sailfishes, etc.	<i>Istiophoridae</i>	S	2.63	0.11%	0	0.00%
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	NE	0	0.00%	0.555	0.02%
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	SE	0	0.00%	0.474	0.02%
Opah	<i>Lampris guttatus</i>	NE	0	0.00%	0.285	0.01%
Opah	<i>Lampris guttatus</i>	SE	0	0.00%	5.679	0.25%
Other fish Unclassified	N/A	NE	8.655	0.37%	1.745	0.08%
Other fish Unclassified	N/A	SE	44.397	1.87%	0	0.00%
Shortfin mako	<i>Isurus oxyrinchus</i>	SE	0	0.00%	1.332	0.06%
Southern bluefin tuna	<i>Thunnus maccoyii</i>	All	516.758	21.82%	505.926	21.95%
Striped marlin	<i>Tetrapturus audax</i>	S	0.05	0.00%	0.135	0.01%
Swordfish	<i>Xiphias gladius</i>	N	4.288	0.18%	4.369	0.19%
Swordfish	<i>Xiphias gladius</i>	S	34.17	1.44%	34.649	1.50%
Yellowfin tuna	<i>Thunnus albacares</i>	All	278.315	11.75%	269.856	11.71%

Comments: CV scale recorded total of 2404.150 tonnes.

The main species transhipped during the voyage were bigeye tuna (*Thunnus obesus*), southern bluefin tuna (*Thunnus maccoyii*), yellowfin tuna (*Thunnus albacares*), albacore (*Thunnus alalunga*), swordfish (*Xiphias gladius*) and marlins and sailfishes (*Istiophoridae*).

Opah (*Lampris guttatus*), short fin mako shark (*Isurus oxyrinchus*), Atlantic Spanish mackerel (*Scomberomorus maculatus*) were transhipped in relatively small amounts.

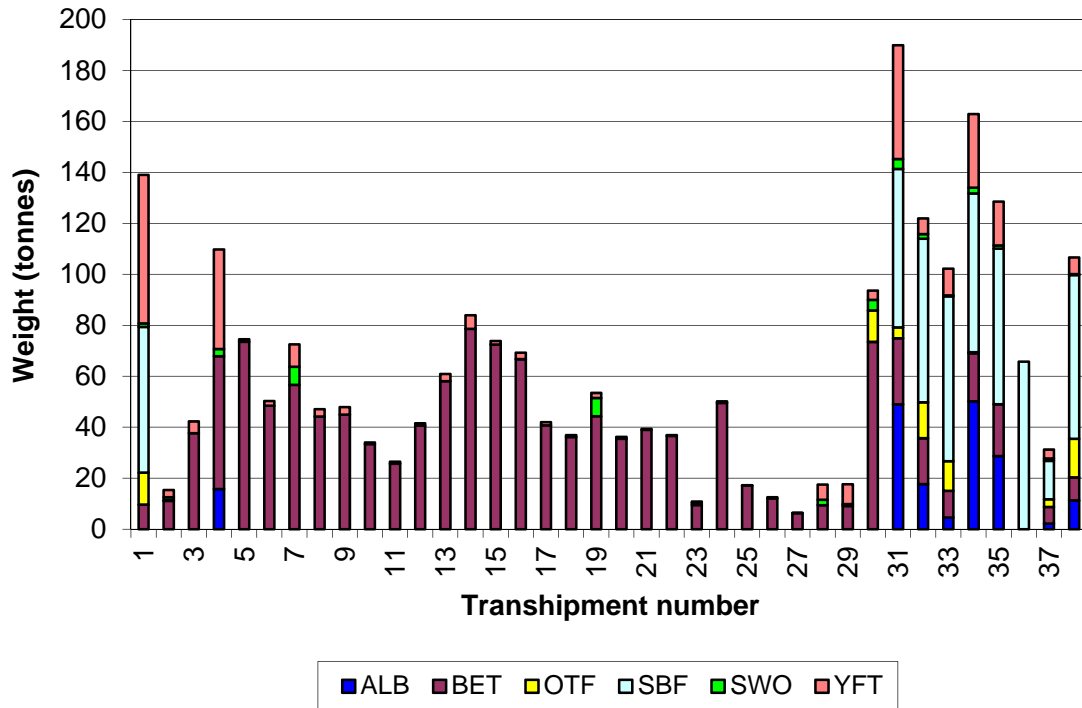


Figure 2 Proportions by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	14.94
Atlantic blue marlin	<i>Makaira nigricans</i>	104.79
Atlantic white marlin	<i>Tetrapturus albidus</i>	40.00
Bigeye tuna	<i>Thunnus obesus</i>	43.63
Mako sharks	<i>Isurus spp</i>	46.40
Marlins, sailfishes, etc. nei	<i>Istiophoridae</i>	33.78
Other fish Unclassified	N/A	16.32
Southern bluefin tuna	<i>Thunnus maccoyii</i>	43.10
Striped marlin	<i>Tetrapturus audax</i>	25.00
Swordfish	<i>Xiphias gladius</i>	54.24
Yellowfin tuna	<i>Thunnus albacares</i>	41.05

Comments: Average weight for each species was calculated by dividing the total declared weight with the total number of fish observed or declared for each species transhipped.

7 Southern bluefin tuna transshipments

Table 6 Summary of southern bluefin tuna transshipments

No	Vessel name	ICCAT No	Flag	Inspected	Date	Lat	Lon	Transshipment time	% Observed
1				Yes	23/05/19	31°21.6 S	008°08.2 E	07:05	100.00%
31				Yes	04/07/19	09°58.8 S	004°59.6 E	09:20	100.00%
32				Yes	07/07/19	10°01.0 S	000°00.6 E	04:25	100.00%
33				Yes	07/07/19	09°52.6 S	000°05.2 E	03:40	100.00%
34				Yes	10/07/19	20°49.5 S	008°37.1 E	08:20	100.00%
35				Yes	11/07/19	22°30.3 S	008°40.4 E	05:40	100.00%
36				Yes	11/07/19	22°23.9 S	008°38.5 E	02:20	100.00%
37				Yes	12/07/19	22°32.8 S	008°24.7 E	01:35	100.00%

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Catch Monitoring Form Number	Tag series number(from – to)
1	9	212 1097		1196 – 1807 0001 – 1097
31	9	1587		0001 – 0648 / 0651 – 1589
32	9	1402		0001 – 1402
33	9	1333		0001 – 1333
34	9	1549		0001 – 1549
35	9	1422		0001 – 1422
36	9	1356		0001 – 1356
37	9	326		1098 – 1423
38	9	1274		0001 – 1274

Comments: All LSPLVs transshipping Southern bluefin presented the Commission for the Conservation of Southern Bluefin Tuna (CCSBT Catch Monitoring Form (CMF). The fish were tagged with labels attached to the gill covers as well as a plastic tag which was attached in the gill area.

LSPLV Checks

Inspections were carried out by the observer on the following vessels.

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship				VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Yes	23/05/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	23/05/19
2			Yes	26/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	26/05/19
3			Yes	26/05/19	Yes	Yes	Yes	Yes	Yes	06/06/22	Yes	Yes	Yes	Yes	Yes	PB	26/05/19
4			Yes	28/05/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	28/05/19
5			Yes	30/05/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	30/05/19
6			Yes	02/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	01/06/19
7			Yes	03/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	02/06/19
8			Yes	04/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	03/06/19
9			Yes	04/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	04/06/19
10			Yes	07/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	06/06/19
11			Yes	07/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	06/06/19
12			Yes	08/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	07/06/19
13			Yes	09/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	09/06/19
14			Yes	10/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	10/06/19
15			Yes	11/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	10/06/19
16			Yes	13/06/19	Yes	Yes	Yes	Yes	Yes	19/01/20	Yes	Yes	Yes	Yes	Yes	PB	13/06/19
17			Yes	14/06/10	Yes	Yes	Yes	Yes	Yes	17/09/19	Yes	Yes	Yes	Yes	Yes	PB	14/06/19
18			Yes	14/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	14/06/19
19			Yes	15/06/19	Yes	Yes	Yes	Yes	Yes	13/03/20	Yes	Yes	Yes	Yes	Yes	PB	14/06/19
20			Yes	15/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	15/06/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship				VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
21			Yes	16/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	15/06/19
22			Yes	16/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	16/06/19
23			Yes	17/06/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	17/06/19
24			Yes	17/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	17/06/19
25			Yes	25/06/19	Yes	Yes	Yes	Yes	Yes	05/08/19	Yes	Yes	Yes	Yes	Yes	PB	24/06/19
26			Yes	25/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	24/06/19
27			Yes	25/06/19	Yes	Yes	Yes	Yes	Yes	31/01/20	Yes	Yes	Yes	Yes	Yes	PB	24/06/19
28			Yes	29/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	29/06/19
29			Yes	29/06/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/06/19
30			Yes	01/07/19	Yes	No	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	01/07/19
31			Yes	04/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	04/07/19
32			Yes	07/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	07/07/19
33			Yes	07/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	07/07/19
34			Yes	10/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	10/07/19
35			Yes	11/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	11/07/19
36			Yes	11/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	11/07/19
37			Yes	12/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	12/07/19
38			Yes	12/07/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	12/07/19

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound
Comments. All transhipping LSPLVs were boarded and inspected by observer with no problems or difficulties.

Table 9 **Comments on LSPLV checks**

No	Comments
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22	<p>The name markings on the bow of the LSPLV were covered with fouling and not practically legible.</p> <p>Figure 3 Bow markings of the LSPLV YI XXX</p>
30	<p>The International Radio Call Sign (IRCS) displayed on the starboard side of the ship was not the same as the IRCS provided by the ICCAT vessel list. The IRCS was displayed as "DCK7" while the ICCAT vessel and the LSPLV Authorisation To Fish list provided the IRCS "7KCD". This was noticed after the transshipment and no PNC was issued.</p> <p>Figure 4 IRCS displayed by the XXX</p>

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
N/A	N/A	N/A	N/A	N/A	N/A	N/A

No PNC reports were issued during the trip.

8 Other Observer Tasks.

8.1 CV waste disposal

Empty cans, glass and plastic bottles were retained on board, cardboard boxes, paper, other plastics and packaging materials were incinerated.

Food waste was discarded at sea.

8.2 Unidentified or IUU vessels

No IUU vessels were sighted and no non-ROP transshipments were observed during the voyage.

8.3 Marine mammals.

No marine mammals were sighted during the voyage

9 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Appendices

Table 10 Non ROP Transhipments

No	Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
1			24/05/2019	31.08S	003.26E	Fuel 150klt. dry cargo.	Yes
2			24/05/2019	31.00S	003.26E	Fuel 150klt. dry cargo.	Yes
3			25/05/2019	28.25S	007.07E	Fuel 170klt. dry cargo.	Yes
4			26/05/2019	25.43S	010.31E	Fuel 100klt. 3449 bait boxes and dry cargo.	Yes
5			31/05/2019	06.40S	007.48E	Dry cargo.	Yes

ICCAT

Observer Report



Trip Number:	236-19
Vessel Name:	Taisei Maru No.15
ICCAT Ref. No.	AT000JPN00651
Observer Name:	Peter Lafite
Cruise Dates:	From: 14/07/2019 To: 19/09/2019

1 Cruise Summary

In accordance with the bilateral agreement between Taisei Maru Kaiun Kaisha Ltd and Capricorn Fisheries Monitoring cc, Peter Lafite (ROP no. 010) joined the Japanese registered Carrier Vessel (CV) Taisei Maru No.15 (AT000JPN00651) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 14/07/2019 to 19/09/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSPLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Taisei Maru No.15	Call sign:	7JTK
Port of registration:	ISE, Japan	Flag State:	Japan
Owner:	Taisei Maru Kaiun Kaisha Ltd.	Charterer:	Taisei Maru Kaiun Kaisha Ltd.
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	6.335.7 m ³ / 3200mt
Size (GRT):	4,969 Ton	Length (LOA):	124.25m
On-board acoustic equipment:	JRC-JFE 570S		
Position fixing equipment:	2 x JRC-Type JLR-7700 MK II		
Vessel monitoring system (present/absent):	Present. VMS unit and transmitter equipment type: JRC JUE-95VM INMARSAT-C		
Radar:	1 x JMA-9833SA 1 x JMA-7700 series		
Communications equipment:	MF/HF: JRC JSS-800 2 x VHF: JRC JHS-32A INMARSAT F33, FB and C		
Plotters:	JRC JMA-7700		
Tuna products already on board (Quantity)	141.0 Ton		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, South Africa
Date of embarkation	14/07/2019
Method of embarkation*	Portside
Date of departure	14/07/2019
Date of first transshipment	15/07/2019
Date of last transshipment	08/09/2019
Date of return	19/09/2019
Date of disembarkation	19/09/2019
Method of disembarkation*	Portside
Port of return	Cape Town, South Africa

4 Carrier Vessel Activities Summary

4.1 Logistics & Areas of Activity

The carrier vessel made a total of 53 transshipments at sea, the locations are shown in detail in

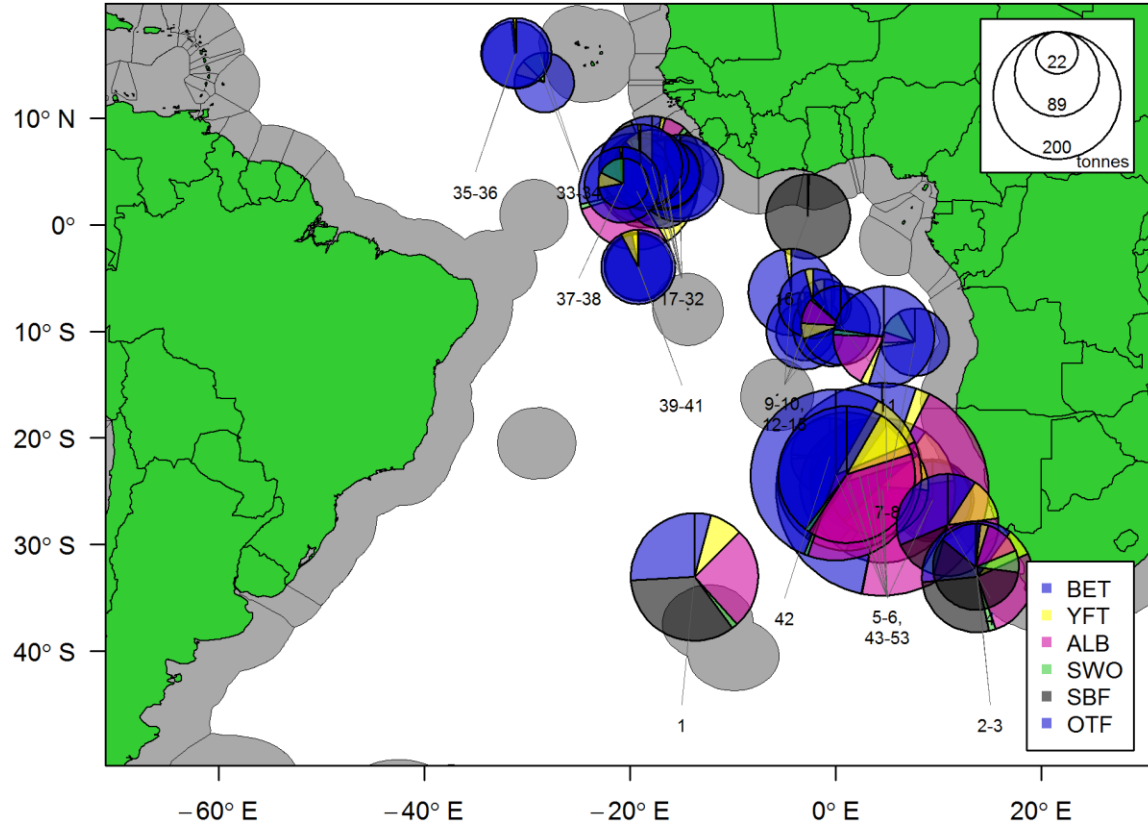


Figure 1 and the numbers received by nationality of vessel are given in Table 1.

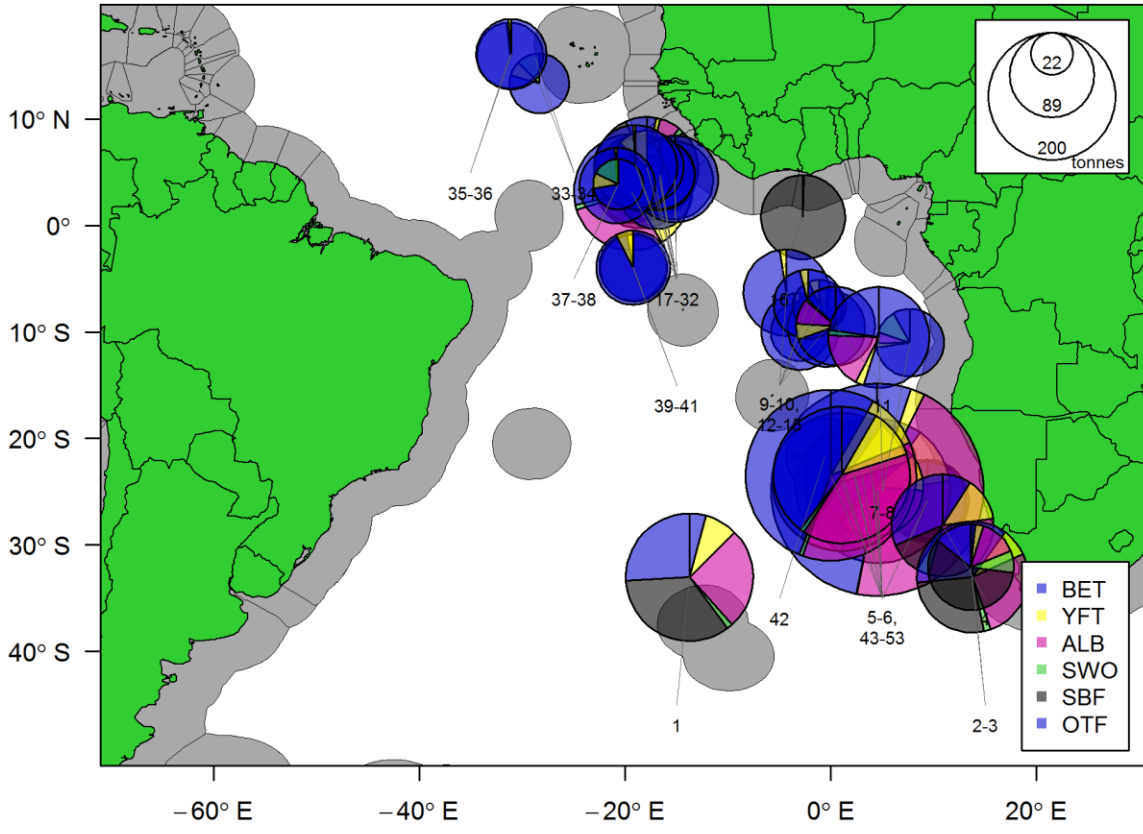


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	2
XXX	29
XXX	22

Comments: 12 non-ROP transhipments were performed and details can be seen in Appendices 1 (Table 12).

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
1				Yes	15/07/19	33°01.04 S	013°44.36 W	02:08	100.00%
2				Yes	15/07/19	33°00.126 S	013°44.893 E	02:38	100.00%
3				Yes	16/07/19	32°03.96 S	013°35.813 E	03:30	100.00%
4				Yes	17/07/19	28°09.164 S	010°50.719 E	01:08	100.00%
5				Yes	18/07/19	25°51.287 S	009°23.176 E	00:53	100.00%
6				Yes	18/07/19	25°48.731 S	009°22.712 E	01:04	100.00%
7				Yes	21/07/19	11°00.318 S	007°41.977 E	04:11	100.00%
8				Yes	22/07/19	10°29.983 S	004°40.064 E	01:47	100.00%
9				Yes	25/07/19	09°59.84 S	003°01.196 W	01:39	100.00%
10				Yes	25/07/19	09°57.351 S	003°02.692 W	01:51	100.00%
11				Yes	26/07/19	09°26.001 S	000°27.345 E	02:16	100.00%
12				Yes	27/07/19	09°38.012 S	000°26.315 W	01:43	100.00%
13				Yes	28/07/19	07°35.053 S	001°07.567 W	02:02	100.00%
14				Yes	28/07/19	07°23.36 S	002°12.14 W	01:00	100.00%
15				Yes	29/07/19	06°18.693 S	004°18.452 W	01:03	100.00%
16				Yes	30/07/19	00°46.554 N	002°42.56 W	01:46	100.00%
17				Yes	02/08/19	03°41.447 N	017°00.516 W	01:14	100.00%
18				Yes	03/08/19	04°06.103 N	018°26.61 W	01:30	100.00%
19				Yes	04/08/19	03°02.368 N	019°20.455 W	00:56	100.00%
20				Yes	04/08/19	03°07.862 N	019°19.882 W	01:00	100.00%
21				Yes	05/08/19	04°19.515 N	016°40.605 W	01:33	100.00%
22				Yes	06/08/19	03°03.736 N	016°59.402 W	00:57	100.00%
23				Yes	07/08/19	04°14.873 N	015°13.573 W	01:40	100.00%
24				Yes	07/08/19	04°22.415 N	015°09.919 W	02:50	100.00%
25				Yes	08/08/19	04°38.172 N	016°37.676 W	01:22	100.00%
26				Yes	08/08/19	04°48.041 N	016°33.437 W	02:32	100.00%
27				Yes	09/08/19	04°01.473 N	018°29.761 W	01:26	100.00%
28				Yes	09/08/19	04°09.06 N	018°28.1 W	00:46	100.00%

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transshipment time	% Observed
29				Yes	10/08/19	05°21.447 N	017°53.824 W	01:29	100.00%
30				Yes	10/08/19	05°27.978 N	017°51.887 W	01:09	100.00%
31				Yes	11/08/19	05°30.778 N	018°58.756 W	01:45	100.00%
32				Yes	11/08/19	05°40.433 N	018°55.018 W	01:40	100.00%
33				Yes	14/08/19	13°20.161 N	028°20.872 W	01:53	100.00%
34				Yes	15/08/19	15°39.816 N	028°40.868 W	01:35	100.00%
35				Yes	16/08/19	16°04.611 N	031°03.684 W	03:10	100.00%
36				Yes	16/08/19	15°57.438 N	031°11.736 W	01:29	100.00%
37				Yes	22/08/19	03°44.757 N	020°45.851 W	03:15	100.00%
38				Yes	22/08/19	03°51.908 N	020°39.853 W	02:36	100.00%
39				Yes	24/08/19	03°59.582 S	019°10.173 W	01:54	100.00%
40				Yes	24/08/19	03°57.445 S	019°12.62 W	01:40	100.00%
41				Yes	24/08/19	03°53.539 S	019°15.138 W	03:24	100.00%
42				Yes	30/08/19	21°43.182 S	000°36.784 W	03:17	100.00%
43				Yes	31/08/19	23°27.115 S	000°00.269 E	04:30	100.00%
44				Yes	01/09/19	23°25.614 S	001°02.575 E	06:36	100.00%
45				Yes	02/09/19	24°04.362 S	001°01.483 E	09:12	100.00%
46				Yes	03/09/19	23°33.239 S	002°20.195 E	04:00	100.00%
47				Yes	03/09/19	23°26.27 S	002°15.504 E	05:40	100.00%
48				Yes	04/09/19	22°36.766 S	003°54.82 E	09:09	100.00%
49				Yes	05/09/19	23°32.622 S	003°02.042 E	05:42	100.00%
50				Yes	06/09/19	24°30.025 S	002°26.848 E	02:44	100.00%
51				Yes	07/09/19	24°55.503 S	004°35.34 E	03:50	100.00%
52				Yes	07/09/19	24°48.46 S	004°29.967 E	03:50	100.00%
53				Yes	08/09/19	24°33.342 S	004°11.232 E	01:49	100.00%

Comments:

The xxx was the only LSPLV which transhipped twice (Transshipment numbers 7 & 43).

Table 3 Summary of vessel / observer estimated figures

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	0.153	0.152	0	0	0.068	0.066	0	0	52.57	52.238	-0.33	-0.64%
2	0	8.871	0	3.803	0.14	0.138	66.58	1.605	66.72	64.292	-2.43	-3.78%
3	0	2.196	0	1.188	1.201	1.182	72.959	5.241	74.16	72.856	-1.30	-1.79%
4	0	12.124	0	2.012	0.745	0.745	14.99	0	15.735	14.881	-0.85	-5.74%
5	0	12.2	0	5.1	0	0	17.16	0	17.16	17.3	0.14	0.81%
6	0	18.561	0	7.189	0	0	27.37	0	27.37	25.75	-1.62	-6.29%
7	0	23.273	0	18.172	1.484	1.34	77.426	28.514	78.91	71.299	-7.61	-10.67%
8	0	34.12	0	0.837	0	0	34.32	0	34.32	34.957	0.64	1.82%
9	0	37.945	0	0.483	0	0	39.65	0	39.65	38.428	-1.22	-3.18%
10	0	43.891	0	0.613	0	0	46	0	46	44.504	-1.50	-3.36%
11	58.78	55.283	0	0	0	0	0	0	58.78	55.283	-3.50	-6.33%
12	0	27.801	0	7.066	0	0	36.24	0	36.24	34.867	-1.37	-3.94%
13	0	34.652	0	0.137	0	0	36.67	0	36.67	34.789	-1.88	-5.41%
14	0	24.043	0	0.271	0	0	25.73	0	25.73	24.314	-1.42	-5.82%
15	0	18.518	0	0.647	1.71	1.435	18.93	0	20.64	20.6	-0.04	-0.19%
16	0	34.028	0	5.199	0	0	38.93	0	38.93	39.227	0.30	0.76%
17	0	50.711	0	0.467	0	0	51.87	0	51.87	51.178	-0.69	-1.35%
18	0	41.567	0	0.458	0	0	44.65	0	44.65	42.025	-2.63	-6.25%
19	0	13.395	0	1.857	3.28	3.292	15.5	0	18.78	18.544	-0.24	-1.27%
20	0	20.711	0	2.102	3.31	3.31	23.18	0	26.49	26.123	-0.37	-1.40%
21	0	45.31	0	0.553	0	0	48.08	0	48.08	45.863	-2.22	-4.83%
22	0	31.346	0	0.58	0	0	33.24	0	33.24	31.926	-1.31	-4.12%
23	0	35.91	0	0.554	0	0	39.16	0	39.16	36.464	-2.70	-7.39%
24	0	53.645	0	1.358	0	0	55.82	0	55.82	55.003	-0.82	-1.49%
25	0	24.445	0	0.293	0	0	25.55	0	25.55	24.738	-0.81	-3.28%
26	0	42.414	0	0.953	0	0	43.21	0	43.21	43.367	0.16	0.36%
27	0	42.611	0	1.538	0	0	46.61	0	46.61	44.149	-2.46	-5.57%
28	0	19.445	0	1.373	0	0	21.43	0	21.43	20.818	-0.61	-2.94%
29	0	33.953	0	1.419	0	0	38.12	0	38.12	35.372	-2.75	-7.77%
30	0	32.227	0	0.987	0	0	35.63	0	35.63	33.214	-2.42	-7.27%
31	0	32.058	0	1.09	0	0	32.97	0	32.97	33.148	0.18	0.54%
32	0	37.222	0	3.154	0	0	42.63	0	42.63	40.376	-2.25	-5.58%
33	0	31.901	0	2.971	0.38	0.375	41.41	5.966	41.79	41.213	-0.58	-1.40%

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
34	0	24.467	0	0.713	4.193	3.961	29.567	2.75	33.76	31.891	-1.87	-5.86%
35	0	41.176	0	1.926	1.216	1.207	60.514	17.003	61.73	61.312	-0.42	-0.68%
36	0	18.999	0	5.243	0.644	0.622	36.206	10.666	36.85	35.53	-1.32	-3.72%
37	0	30	0	1.3	5.19	5.195	38.65	6.7	43.84	43.195	-0.65	-1.49%
38	0	24.2	0	1.35	4.7	4.732	32.78	6.7	37.48	36.982	-0.50	-1.35%
39	0	45.226	0	2.23	0	0	49.33	0	49.33	47.456	-1.87	-3.95%
40	0	36.837	0	2.003	0	0	43.38	0	43.38	38.84	-4.54	-11.69%
41	0	58.295	0	3.831	0	0	65	0	65	62.126	-2.87	-4.63%
42	0	8.18	0	11.414	1.227	1.19	59.804	38.369	61.031	59.153	-1.88	-3.17%
43	0	13.488	0	16.865	1.137	1.077	73.213	39.072	74.35	70.502	-3.85	-5.46%
44	0	15.052	0	19.622	3.91	3.74	97.92	59.042	101.83	97.456	-4.37	-4.49%
45	0	17.283	0	7.153	0.296	0.293	184.474	155.871	184.77	180.6	-4.17	-2.31%
46	0	10.21	0	8.484	0.72	0.627	51.84	26.46	52.56	45.781	-6.78	-14.81%
47	0	13.858	0	14.483	0.9	0.878	86.53	56.023	87.43	85.242	-2.19	-2.57%
48	0	17.676	0	22.646	1.667	1.687	134.212	94.373	135.879	136.382	0.50	0.37%
49	0	11.41	0	16.154	1.394	1.402	81.586	54.632	82.98	83.598	0.62	0.74%
50	0	6.959	0	10.633	3.41	3.141	53.71	24.023	57.12	52.644	-4.48	-8.50%
51	0	4.884	0	10.163	1.673	1.663	87.797	30.875	89.47	88.648	-0.82	-0.93%
52	0	9.158	0	7.322	1.785	1.725	67.395	24.226	69.18	66.823	-2.36	-3.53%
53	0	0.967	0	1.623	4.486	4.426	42.884	7.729	47.37	46.745	-0.63	-1.34%

Comments:

During transshipment number 7 and 46 the accurate counting and identification of species were complicated due to very large strings of mixed species being hauled directly from the LSPLV's hold.

During transshipment number 40, smaller strings of large tuna were transhipped. The fish were first offloaded onto the LSPLV's deck before being stringed together and transferred to the carrier vessel. This gave the observer time to obtain a fairly accurate count. The observer's tallies of tuna transhipped (species combined), together with the weights as provided by the carrier vessel's hook scale were used to derive at the observer's estimated total weight.

6 Species and weight transferred

The vessel contained 141.0 ton tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **¡Error! No se encuentra el origen de la referencia.;** a breakdown by transshipment is shown in **¡Error! No se encuentra el origen de la referencia..**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight (t)	%	Weight (t)	%
Albacore	<i>Thunnus alalunga</i>	All	13,40	0,49%	0,00	0,00%
Albacore	<i>Thunnus alalunga</i>	N	28,69	1,05%	30,64	1,16%
Albacore	<i>Thunnus alalunga</i>	S	637,53	23,34%	628,22	23,80%
Atlantic blue marlin	<i>Makaira nigricans</i>	N	6,70	0,25%	6,54	0,25%
Atlantic blue marlin	<i>Makaira nigricans</i>	S	4,77	0,17%	4,62	0,17%
Atlantic Spanish mackerel	<i>Scomberomorus maculatus</i>	NE	1,04	0,04%	1,02	0,04%
Atlantic Spanish mackerel	<i>Scomberomorus maculatus</i>	SE	1,17	0,04%	1,12	0,04%
Bigeye tuna	<i>Thunnus obesus</i>	All	58,93	2,16%	1384,85	52,46%
Black marlin	<i>Makaira indica</i>	SE	0,48	0,02%	0,05	0,00%
Blue shark	<i>Prionace glauca</i>	SE	8,49	0,31%	8,62	0,33%
Dolphinfish	<i>Coryphaena hippurus</i>	SE	0,09	0,00%	0,10	0,00%
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	SE	0,06	0,00%	0,06	0,00%
Mixed Tunas		All	1767,19	64,71%	0,00	0,00%
Mixed Tunas		Mix	84,28	3,09%	0,00	0,00%
Oilfish	<i>Ruvettus pretiosus</i>	All	0,88	0,03%	0,95	0,04%
Opah	<i>Lampris guttatus</i>	NE	0,47	0,02%	0,46	0,02%
Opah	<i>Lampris guttatus</i>	SE	10,73	0,39%	10,62	0,40%
Other fish Unclassified	N/A	SE	0,19	0,01%	1,18	0,04%
Pomfret	<i>Brama</i>	SE	0,99	0,04%	0,00	0,00%
Shortfin mako	<i>Isurus oxyrinchus</i>	All	0,47	0,02%	0,00	0,00%
Shortfin mako	<i>Isurus oxyrinchus</i>	SE	0,94	0,03%	1,41	0,05%
Skipjack tuna	<i>Katsuwonus pelamis</i>	E	0,06	0,00%	0,06	0,00%
Southern bluefin tuna	<i>Thunnus maccoyii</i>	All	0,00	0,00%	197,99	7,50%
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Ind	0,00	0,00%	72,30	2,74%
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Mix	52,35	1,92%	0,00	0,00%
Striped marlin	<i>Tetrapturus audax</i>	NE	0,18	0,01%	0,18	0,01%
Swordfish	<i>Xiphias gladius</i>	All	9,89	0,36%	0,00	0,00%
Swordfish	<i>Xiphias gladius</i>	N	13,02	0,48%	19,13	0,72%
Swordfish	<i>Xiphias gladius</i>	S	27,95	1,02%	30,32	1,15%
Yellowfin tuna	<i>Thunnus albacares</i>	All	0,00	0,00%	239,58	9,08%

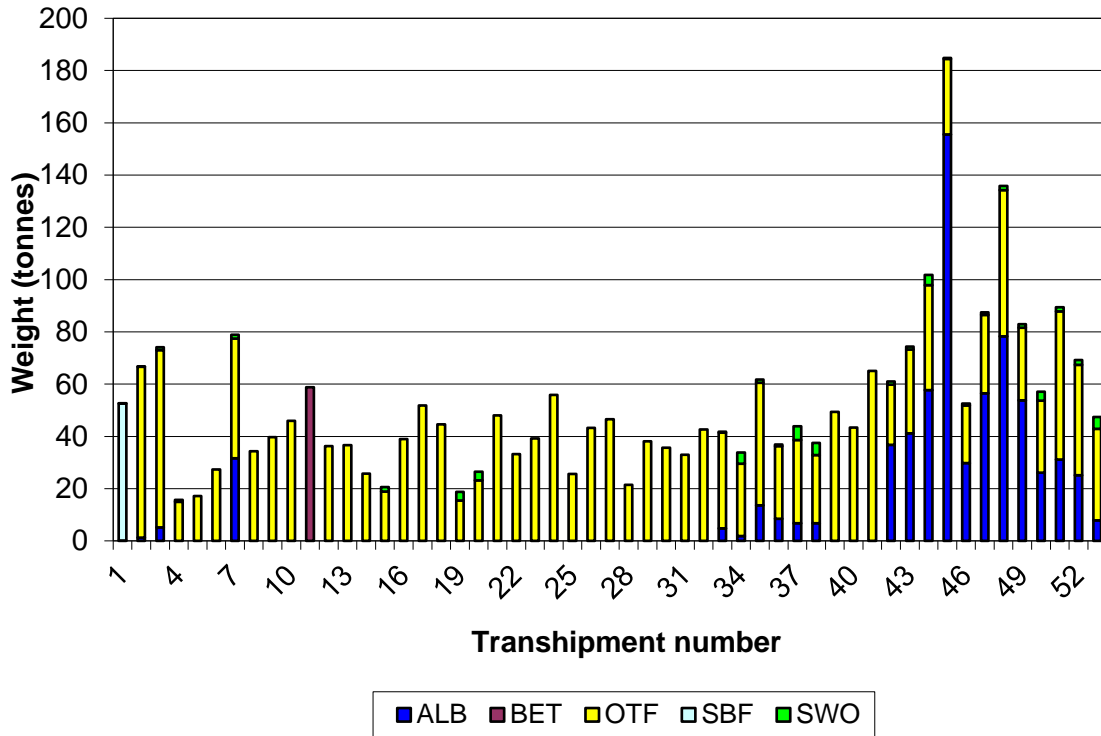


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	15,57
Atlantic blue marlin	<i>Makaira nigricans</i>	114,72
Atlantic Spanish mackerel	<i>Scomberomorus maculatus</i>	14,01
Bigeye tuna	<i>Thunnus obesus</i>	54,27
Black marlin	<i>Makaira indica</i>	480,00
Blue shark	<i>Prionace glauca</i>	24,12
Dolphinfish	<i>Coryphaena hippurus</i>	4,29
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	30,50
Mixed Tunas		43,37
Oilfish	<i>Ruvettus pretiosus</i>	13,38
Opah	<i>Lampris guttatus</i>	9,30
Other fish Unclassified	N/A	32,33
Pomfret	<i>Brama brama</i>	5,23
Shortfin mako	<i>Isurus oxyrinchus</i>	19,57
Skipjack tuna	<i>Katsuwonus pelamis</i>	10,33
Southern bluefin tuna	<i>Thunnus maccoyii</i>	46,20
Striped marlin	<i>Tetrapturus audax</i>	25,57
Swordfish	<i>Xiphias gladius</i>	38,92

Comments:

The main tuna species transhipped were bigeye tuna (*Thunnus obesus*), yellowfin tuna (*Thunnus albacares*) and albacore (*Thunnus alalunga*). Southern Bluefin tuna (*Thunnus maccoyii*) was transhipped from seven Japanese flagged LSPLVs (Transshipment no. 1 – 3 and 50 - 53). Swordfish (*Xiphias gladius*) and Atlantic blue marlin (*Makaira nigricans*) predominantly made up the rest of the species transferred. Other fish transhipped were Spanish mackerel (*Scomberomorus maculatus*), striped marlin (*Tetrapturus audax*), skipjack tuna (*Katsuwonus pelamis*), dolphinfish (*Coryphaena hippurus*), oilfish (*Ruvettus pretiosus*) and opah (*Lampris guttatus*). Mako (*Isurus spp.*) was only transshipped from two Japanese flagged vessels, KINEI MARU No.85 and SHOFUKU MARU No.88. Blue shark (*Prionace glauca*) was transshipped once throughout the trip from SHOFUKU MARU No.88. All shark fins were transshipped separately in sacks after each transshipment.

Big-eye tuna (*T. obesus*), yellowfin tuna (*T. albacares*) and southern Bluefin tuna (*T. maccoyii*) were processed GG (gilled and gutted). Swordfish (*X. gladius*) were processed DR (gutted with head removed) and/or FL (filleted) while Atlantic blue marlin (*M. nigricans*) were mainly processed DR (gilled and gutted) but occasionally also GG (gilled and gutted). All albacore transhipped were processed RD (whole). The observer recorded all bigeye tuna (*T. obesus*), yellowfin tuna (*T. albacares*) and southern bluefin tuna (*T. maccoyii*) when transhipped simultaneously under the code MIX (mixed tunas). The majority of all other species could be identified and tallied separately.

Tuna transhipped from most of the LSPLVs were first landed on the deck of the LSPLV until an appropriate amount made up a string which could be transferred to the carrier vessel. This enabled the observer to obtain a fairly accurate count by using a thumb counter. Identifying individual tuna species was near impossible and not attempted as the fish were landed on the deck in a haphazard pile. On LSPLVs where the hatch opening was large enough and conveniently situated, fish were taken directly out of the hold by the carrier vessel's derrick. Larger strings of mixed species could be transferred which complicated the observer's identification and tallies.

The carrier vessel used a hook scale for all transshipments and all product was weighed simultaneously per string of fish with the carrier vessel's hook scale. The weight of each string was recorded on a tally sheet and given to the observer at the end of each transshipment. Strings of fish were first offloaded in a trolley before the hook scale was attached. The frozen product was then transferred to the various holds on the CV. This gave the observer extra time to tally and identify species. See Appendices 2 for pictures. The observer estimated tallies by species and species groups. The observer's total count of species and species groups transhipped together with the weights as provided by the CV's hook scale was used. All estimated total weights equal the CV's hook scale weights for observer estimations and recorded as such in the observer database and T4iii forms. During transshipment 48 a portion of the fish transhipped was to be discharged in Cape Town, South Africa and the only time the CV's hook scale was not used. The observer derived an average weight for these species from the LSPLV's declared weights and numbers.

7 Southern bluefin tuna transshipments

Table 6 Summary of southern bluefin tuna transshipments

No	Vessel name	ICCAT No	Flag	Inspected	Date	Lat	Lon	Transshipment time	% Observed
1				Yes	15/07/2019	33°01	013°44	02:08	100%
2				Yes	15/07/2019	33°01	013°45	02:38	100%
3				Yes	16/07/2019	32°04	013°36	03:30	100%
50				Yes	06/09/2019	24°30	002°27	02:44	100%
51				Yes	07/09/2019	24°56	004°35	03:50	100%
52				Yes	07/09/2019	24°48	004°30	03:30	100%
53				Yes	08/09/2019	24°33	004°11	01:49	100%

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Catch Monitoring Form Number	Tag series number(from – to)
1	9	1158	xxx	0001 - 1158
2	9	1065	xxx	0001 - 1065
3	9	1291	xxx	0001 - 1291
50	9	151	xxx	0001 - 0151
51	9	787	xxx	0001 - 0787
52	9	531	xxx	0001 - 0531
53	9	498	xxx	0001 - 0498

Comments: The Commission for the Conservation of Southern Bluefin Tuna (CCSBT) Catch Monitoring Form was completed for all the transshipments containing *T. maccoyii* and all *T maccoyii* were tagged a prescribed.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry	
1			Yes	15/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	14/07/19
2			Yes	15/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	14/07/19
3			Yes	16/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	14/07/19
4			Yes	17/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	16/07/19
5			Yes	18/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	17/07/19
6			Yes	18/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Y	Yes	Yes	Yes	PB	17/07/19
7			Yes	21/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	20/07/19
8			Yes	22/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	18/07/19
9			Yes	25/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	23/07/19
10			Yes	25/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	PB	24/07/19
11			Yes	26/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	25/07/19
12			Yes	27/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	26/07/19
13			Yes	28/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	27/07/19
14			Yes	28/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	27/07/19
15			Yes	29/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	PB	27/07/19
16			Yes	30/07/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	29/07/19
17			Yes	02/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	01/08/19
18			Yes	03/08/19	Yes	Yes	Yes	Yes	Yes	Yes	06/09/19	Yes	Y	Yes	Yes	Yes	PB	01/08/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry	
19			Yes	04/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	03/08/19
20			Yes	04/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	03/08/19
21			Yes	05/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	04/08/19
22			Yes	06/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	05/08/19
23			Yes	07/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	07/08/19
24			Yes	07/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	06/08/19
25			Yes	08/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	07/08/19
26			Yes	08/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	07/08/19
27			Yes	09/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	08/08/19
28			Yes	09/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	08/08/19
29			Yes	10/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	10/08/19
30			Yes	10/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	10/08/19
31			Yes	11/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	10/08/19
32			Yes	11/08/19	Yes	Yes	Yes	Yes	Yes	Yes	17/09/19	Yes	Y	Yes	Yes	Yes	PB	11/08/19
33			Yes	14/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	11/08/19
34			Yes	15/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	14/08/19
35			Yes	16/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	16/08/19
36			Yes	16/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	15/08/19
37			Yes	22/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	21/08/19
38			Yes	22/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	21/08/19
39			Yes	24/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	22/08/19
40			Yes	24/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	23/08/19
41			Yes	24/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	24/08/19
42			Yes	30/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	29/08/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry	
43			Yes	31/08/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	30/08/19
44			Yes	01/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	31/08/19
45			Yes	02/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	02/09/19
46			Yes	03/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	02/09/19
47			Yes	03/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	02/09/19
48			Yes	04/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	03/09/19
49			Yes	05/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	04/09/19
50			Yes	06/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	05/09/19
51			Yes	07/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	06/09/19
52			Yes	07/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	06/09/19
53			Yes	08/09/19	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	27/08/19

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Table 9 Comments on LSPLV checks

No	Comments
3	Safety conditions (heavy swell) prohibited the observer to go on the foredeck and take a close-up picture of the LSPLV bow. Judging from the 'whole' picture of the LSPLV, part of the vessel's name and number may have been indiscernible.
4	The LSPLV had two VMS units installed, both CLS Triton, and both units were switched on.
11	The LSPLV had two VMS units installed, CLS Triton + COBHAM, and both units were switched on.
17	<p>The VMS unit was connected via a circuit breaker which could be manipulated.</p> <p>Figure 3 VMS and switch fitted on board the xxx</p>
23	The LSPLV had a CLS Triton and a CLS Thorium installed and both were switched on.
24	<p>The LSPLV had an Argos (CLS) LEO and a Cobham installed and both were switched on. The LSPLV name and NRN on the bow of vessel were starting to be covered by algae. The vessel name was legible, but the NRN was not.</p> <p>Figure 4 Bow markings of the xxx</p>
25	The LSPLV had a CLS Triton and a Cobham installed and both were switched on.
31	The VMS unit was connected via a circuit breaker which could be manipulated.
32	<p>Algae starting to cover the LSPLV name and NRN on the bow of vessel but still legible. The LSPLV name and NRN were clearly displayed on the starboard side of the vessel above the bridge.</p> <p>Figure 5 Bow markings of the xxx The LSPLV had a Thrane & Thrane (Sailor) and a Cobham installed and both were switched on.</p>
39	<p>The name and NRN displayed on the bow of the vessel was partially covered by fouling (Algae). The LSPLV name was legible, but the NRN could only be recognised at very close range. The LSPLV name and NRN were clearly displayed on the starboard side of the vessel above the bridge.</p> <p>Figure 6 Bow markings of the xxx</p>

The observer made no Potential Non Compliance (PNC) reports.

9 Other Observer Tasks.

9.1 CV waste disposal

The carrier vessel separated all the waste as plastic (plastic bottles), cans, glass (glass bottles), cooking oil, operational waste and combustible items (paper, cardboard etc). Labelled drums were placed in the galley and emptied daily in labelled drums on the poop deck at the stern of the vessel. The ship was equipped with an incinerator on board at the stern of the vessel and all combustible items were burned whenever necessary. All excess food waste was macerated before being dumped overboard. Smaller drums were placed in the mess, recreational areas, and cabins and close to all working areas for garbage disposal. All non-combustible items were kept on board for later disposal at shore including plastic bottles.

Marpol and waste disposal posters were displayed in the mess and a Marpol regulation poster in the cabins. The garbage management plan and station posters were displayed in the mess and bridge. The captain ensured garbage and waste disposal was strictly adhered to throughout the trip. See Appendix 3 for photographs of waste disposal systems.

9.2 Unidentified or IUU vessels

No IUU vessels were sighted.

9.3 Marine mammals.

10 Health and Safety on board the CV

The observer did not have any health or safety concerns on board the CV.

Table 10 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
15/07/19	10:00	33° 01 S	13° 44 E	Unidentified whales	2	Possibly Southern right whales (<i>Eubalaena australis</i>) – Blows V shaped, 4-5m high.
16/07/19	08:00	32° 04	13° 36	Humpback whale (<i>Megaptera novaeangliae</i>)	6	Moving parallel to vessel about 100m out, blowing and displaying, and flapping long pectoral fins in the water
27/07/19	07:30	09°38	00°26	Unidentified dolphins	100+	Swimming in circles about 50-100m out Short dives and possibly feeding

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes X	No
----------	----

Appendix 1

Table 10 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
01			15/07/2019	33° 00 S	013° 50 E	Tranship bait and supplies
02			18/07/2019	25° 41 S	009° 24 E	Tranship bait and supplies
03			19/07/2019	21° 01 S	007° 25 E	Tranship fuel and supplies
04			22/07/2019	10° 27 S	004° 39 E	Tranship fuel and supplies
05			23/07/2019	13° 28 S	001° 06 E	Tranship supplies only
06			24/07/2019	12° 07 S	004° 49 E	Tranship fuel, bait and supplies
07			05/08/2019	04° 18 N	016° 42 W	Tranship bait and supplies
08			13/08/2019	12° 02 N	026° 59 W	Tranship water and supplies
09			14/08/2019	13° 18 N	028° 24 W	Tranship bait and supplies
10			14/08/2019	03° 18 N	028° 24 W	Tranship bait and supplies
11			15/08/2019	15° 34 N	028° 46 W	Tranship fuel, bait and supplies
12			17/08/2019	16° 59 N	028° 57 W	Tranship bait and supplies

Appendix 2 Hook scale and weight measurements



Appendix 3 Waste Management

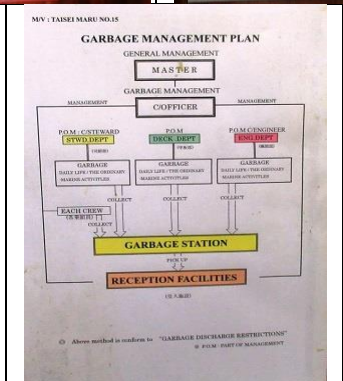


IMB/IMO'S SUMMARY OF THE DISTINCTION PROVISIONS OF THE REVISED MARPOL ANNEX V
 (Provisions 107,108,109) which entered into force on 1 January 2013

Type of garbage	Ships outside special areas	Ships within special areas	Offshore platforms and other fixed or floating structures
Food waste comminuted or ground	Discharge permitted > 12 nautical miles from the nearest land and at night	Discharge permitted < 12 nautical miles from the nearest land and at night	Discharge permitted < 12 nautical miles from the nearest land
Food waste not comminuted or ground	Discharge permitted > 12 nautical miles from the nearest land and at night	Discharge prohibited	Discharge prohibited
Cargo residues not contained in wash water	Discharge permitted > 12 nautical miles from the nearest land and at night	Discharge prohibited	Discharge prohibited
Cargo residues contained in wash water	Discharge permitted > 12 nautical miles from the nearest land and at night	Discharge only permitted in specific circumstances and < 12 nautical miles from the nearest land and at night	Discharge prohibited
Cleaning agents and additives contained in cargo hold wash water	Discharge permitted	Discharge permitted	Discharge prohibited
Cleaning agents and additives contained in deck and external surfaces wash water	Discharge permitted	Discharge permitted	Discharge prohibited
Carcasses of animals carried on board as cargo and which died during the voyage	Discharge permitted so far from the nearest land as possible and at night	Discharge prohibited	Discharge prohibited
All other garbage including plastics, domestic wastes, cooking oil, incinerator ashes, operational wastes and fishery gear	Discharge prohibited	Discharge prohibited	Discharge prohibited
Mixed garbage	When garbage is mixed with or contaminated by other substances prohibited from discharge in having different discharge requirements, the more stringent requirements shall apply		

Garbage Station 廃棄物の収集・分別、貯蔵場所一覧表

Garbage categories 廃棄物の種類	Collecting Place 収集場所	Storage Place 貯蔵場所	Color 識別マーク
A. Plastics プラスチック	Boat deck aft ポートデッキ後方	Boat deck aft ポートデッキ後方	Yellow 黄
B. Food wastes 食物くず	調理場	調理場	Blue 青
C. Domestic wastes (e.g. paper, prod., glass, metal, bottles, crockery, etc) 船内の廃棄物			
Combustible wastes 可燃性廃棄物	Boat deck aft ポートデッキ後方	Boat deck aft ポートデッキ後方	Gray 灰
Incombustible wastes 不燃性廃棄物			
D. Cooking oil 調理油	Galley 調理場	Galley 調理場	Orange 橙
E. Incinerator ashes 焼却炉の灰	N/A	N/A	N/A
F. Operational wastes 業務に際して生ずる廃棄物	Poop deck aft ポープデッキ後方	Poop deck aft ポープデッキ後方	Brown 茶
G. Cargo residues 貨物の残留物	Poop deck aft ポープデッキ後方	Poop deck aft ポープデッキ後方	Lightblue 水色
H. Animal carcasses 動物の死体	Poop deck aft ポープデッキ後方	Poop deck aft ポープデッキ後方	As needed 必要に応じて
I. Fishing gear 漁具	N/A	N/A	N/A



ICCAT

Observer Report



Trip Number:	237/19
Vessel Name:	Shota Maru
ICCAT Ref. No.	AT000LBR00022
Observer Name:	Toni Lakos
Cruise Dates:	From: 28/08/2019 To: 19/09/2019

1 Cruise Summary

In accordance with the bilateral agreement between Toei Reefer Line Ltd. and Toni Lakos (ROP no. 187), joined the Liberian registered Carrier Vessel (CV) Shota Maru (RFMO no. AT000LBR00022) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Indian Ocean from 28/08/2019 to 19/09/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Shota Maru	Call sign:	D5KN7
Port of registration:	Liberia, Monrovia	Flag State:	Liberia
Owner:	Panama TRL S.A.	Charterer:	Toei Reefer Line Ltd.
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	4.845.8m³
Size (GRT):	3.936 t	Length (LOA):	100.98 m
Vessel monitoring system (present/absent):	VMS - Argos (CLS) LEO and VDR		
Tuna products already on board (Quantity)	457.979 t		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town
Date of embarkation	28/08/2019
Method of embarkation*	In port (dockside)
Date of departure	28/08/2019
Date of first transshipment	31/08/2019
Date of last transshipment	06/09/2019
Date of return	19/09/2019
Date of disembarkation	19/09/2019
Method of disembarkation*	In port (by launch)
Port of return	Port Louis

*(portside, transfer vessel in port, transfer vessel offshore)

4 Carrier Vessel Activities Summary

1.1 Logistics & Areas of Activity

The vessel made a total of 7 transshipments at sea, the locations are shown in detail in

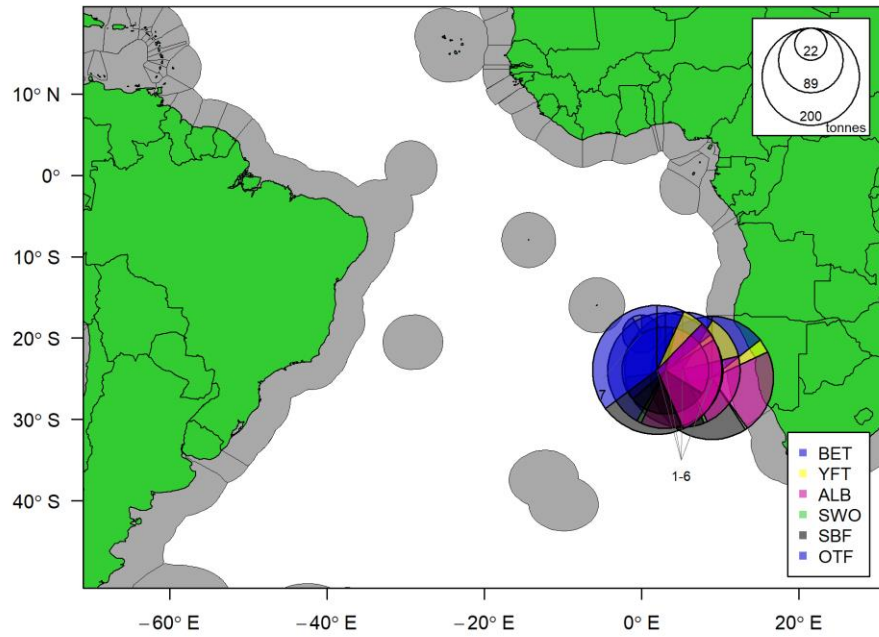


Figure 1, the numbers received by nationality of vessel are given in Table 1.

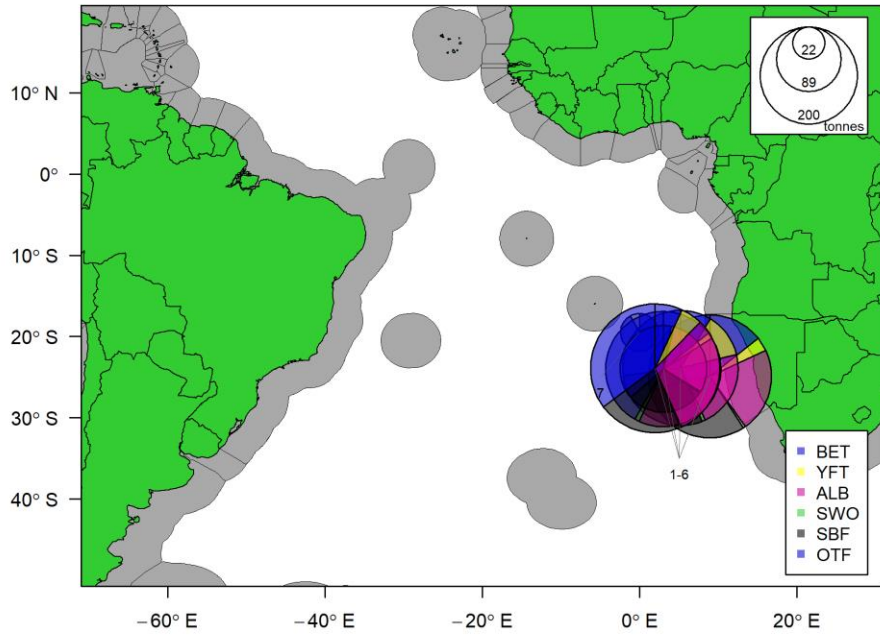


Figure 1 Location of transshipments.

Table 1 Transshipments made by nationality

Nationality	Transshipments made
XXX	5
XXX	2

Comments: Two non ROP transshipments were performed during the deployment with vessels XXX and XXX. (Table 11)

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
1				No	31/08/2019	24°57.9631 S	008°58.3885 E	02:20	100
2				No	31/08/2019	24° 53.7269 S	008° 55.1505 E	03:00	100
3				Yes	01/09/2019	23°52.023 S	005°09.7479 E	11:15	100
4				Yes	02/08/2019	23°59.2283 S	002°59.0073 E	10:55	100
5				Yes	03/09/2019	23°57.6251 S	003°00.1493 E	09:25	100
6				Yes	04/09/2019	23°53.3588 S	001°57.3374 E	06:00	100
7				Yes	06/09/2019	19°28.8272 S	000°01.8338 W	11:20	100

Comments:

All transhipments were fully observed.

Table 3 Summary of vessel / observer estimated figures

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	20.694	20.812	1.785	1.863	0	0	0	0	22.479	22.675	0.196	0.86
2	22.018	22.179	4.626	4.778	0	0	0	0	26.644	26.957	0.313	1.16
3	36.995	34.435	10.541	8.652	1.558	1.609	60.561	68.78	178.974	186.536	7.562	4.05
4	18.981	18.408	26.974	26.411	2.002	2.002	54.972	57.433	159.142	165.533	6.391	3.86
5	28.546	30.11	3.234	3.629	2.897	2.666	89.93	88.297	124.607	124.702	0.95	0.08
6	3.317	3.418	1.303	1.378	0.642	0.701	38.518	43.671	78.69	84.078	5.388	6.41
7	18.357	18.151	14.384	14.189	0.902	0.902	96.473	93.184	183.431	182.32	-1.111	-0.61

6 Species and weight transferred

The vessel contained tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in 4, a breakdown by transshipment is shown in **¡Error! No se encuentra el origen de la referencia..**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed weight (t)	Observed Percentage	Declared weight (t)	Declared Percentage
Albacore	<i>Thunnus alalunga</i>	All	301.41	38.94	303.39	38.27
Atlantic blue marlin	<i>Makaira nigricans</i>	All	4.98	0.64	6.17	0.78
Atlantic sailfish	<i>Istiophorus albicans</i>	All	0.10	0.01	0.12	0.02
Bigeye tuna	<i>Thunnus obesus</i>	All	148.91	19.24	147.51	18.61
Black marlin	<i>Makaira indica</i>	All	0.39	0.05	0.39	0.05
Butterfly kingfish	<i>Gasterochisma melampus</i>	All	19.59	2.53	27.17	3.43
Marlins, sailfishes, etc.	<i>Istiophoridae</i>	All	0.14	0.02	0.14	0.02
Opah	<i>Lampris guttatus</i>	All	11.91	1.54	12.03	1.52
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	All	0.20	0.03	0.20	0.03
Skipjack tuna	<i>Katsuwonus pelamis</i>	All	0.10	0.01	0.10	0.01
Southern bluefin tuna	<i>Thunnus maccoyii</i>	All	213.76	27.62	225.14	28.40
Striped marlin	<i>Tetrapturus audax</i>	All	0.08	0.01	0.08	0.01
Swordfish	<i>Xiphias gladius</i>	All	8.00	1.03	7.88	0.99
Wahoo	<i>Acanthocybium solandri</i>	All	0.46	0.06	0.46	0.06
West African Spanish mackerel	<i>Scomberomorus tritor</i>	All	1.09	0.14	1.10	0.14
Yellowfin tuna	<i>Thunnus albacares</i>	All	62.85	8.12	60.90	7.68

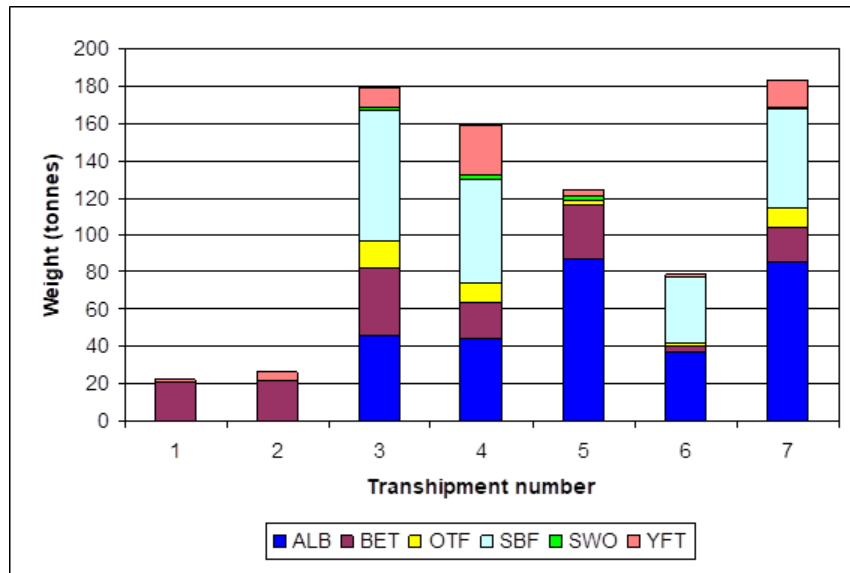


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	18.35
Atlantic blue marlin	<i>Makaira nigricans</i>	92.20
Atlantic sailfish	<i>Istiophorus albicans</i>	20.20
Bigeye tuna	<i>Thunnus obesus</i>	45.95
Black marlin	<i>Makaira indica</i>	96.50
Butterfly kingfish	<i>Gasterochisma melampus</i>	18.11
Marlins,sailfishes,etc. nei	Istiophoridae	23.83
Opah	<i>Lampris guttatus</i>	9.97
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	13.53
Skipjack tuna	<i>Katsuwonus pelamis</i>	7.31
Southern bluefin tuna	<i>Thunnus maccoyii</i>	48.17
Striped marlin	<i>Tetrapturus audax</i>	42.00
Swordfish	<i>Xiphias gladius</i>	49.09
Wahoo	<i>Acanthocybium solandri</i>	14.84
West African Spanish mackerel	<i>Scomberomorus tritor</i>	11.99
Yellowfin tuna	<i>Thunnus albacares</i>	40.44

Comments:

The main transferred species were *Thunnus alalunga*, *Thunnus obesus* and *Thunnus maccoyii*. Most species were transhipped as dressed or gilled and gutted. Species that were exclusively transhipped gilled and gutted include *T. obesus*, *T. albacares*, *T. maccoyii*, *Makaira nigricans*, *Makaira indica* and *Tetrapturus audax*, while *Xiphias gladius*, *Gasterochisma melampus*, *Lampris guttatus*, *Istiophorus albicans*, *Tetrapturus angustirostris*, *Scomberomorus tritor* and *Acanthocybium solandri*, were transhipped as dressed.

Thunnus alalunga and *Katsuwonus pelamis* were transhipped as whole.

Average weights used by the observer were derived from transshipment notifications given by LSPLVs.

All species were processed and frozen on board the LSPLVs prior to transshipment to the CV.

7 Southern bluefin tuna transhipments

Table 6 Summary of southern bluefin tuna transhipments

No	Vessel name	ICCAT No	Flag	Inspected	Date	Lat	Lon	Transhipment time	% Observed
3				Yes	01/09/2019	23°52.023 S	005°09.7479 E	11:15	100
4				Yes	02/08/2019	23°59.2283 S	002°59.0073 E	10:55	100
6				Yes	04/09/2019	23°53.3588 S	001°57.3374 E	06:00	100
7				Yes	06/09/2019	19°28.8272 S	000°01.8338 W	11:20	100

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Catch Monitoring Form Number	Tag series number (from – to)
3	9	1341	CM-XXX-19-029-01	XXX-19-029-0001 - XXX-19-029-1341
3	9	241	CM-XXX-18-061-02	XXX-18-061-1136 - XXX-18-061-1376
4	9	1379	CM-XXX-19-031-01	XXX-19-031-0001 - XXX-19-029-1379
6	9	576	CM-XXX-19-037-01	XXX-19-037-0001 - XXX-19-037-0576
7	9	1149	CM-XXX-19-035-01	XXX-19-035-0001 - XXX-19-035-1149

Comments:

All *T. maccoyii* were tagged.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			No	31/08/19	Yes	Yes	Yes	Yes	Yes	31/08/19	Yes	Y	No	U	Yes	PB	30/08/19
2			No	31/08/19	Yes	Yes	Yes	Yes	Yes	31/08/19	Yes	Y	No	U	Yes	PB	30/08/19
3			Yes	01/09/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	10/08/19
4			Yes	02/08/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	31/08/19
5			Yes	03/09/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	03/09/19
6			Yes	04/09/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	03/09/19
7			Yes	06/09/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	05/09/19

Comments: Two vessels (the XXX and XXX) were not boarded due to bad weather conditions. Both vessels ATFs expired on the date of inspection and were considered still valid.

Table 9 Comments on LSPLV checks

No	Comments
1	<p>XXX The callsign markings on the side of the ship were beginning to wear off, but were still legible during inspection. A PNC was not reported.</p> <p>Figure 3 XXX 's side markings</p>
2	<p>XXX The stern markings were beginning to wear off, but were still legible during inspection. A PNC was not reported.</p> <p>Figure 4 XXX stern markings</p>

The observer made 0 Potential Non Compliance (PNC) reports summarised below in Table 10.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
NA						

9 Other Observer Tasks.

On 28/08/2019 two male refugees, age 20, from Tanzania were caught on board the vessel as trespassers at 1410 a clock. The incident happened at Cape Town port. The trespassers were on board the ship for 4 days. After they were spotted police escorted them from the vessel.

9.1 CV waste disposal

Vessel followed the MARPOL regulations. There were separate containers for organic and inorganic waste and also for glass and cans, which were retained for disposal onshore together with the collected residue from the incinerator. The organic waste were the only waste that was thrown into the sea.



Figure 5 CV waste management

9.2 Unidentified or IUU vessels

No IUU activities were observed during the deployment.

9.3 Marine mammals.

No marine mammals were observed during the deployment.

10 Health and Safety on board the CV

During the T3 inspection no problems were found with the safety equipment. No problems were found in regard regards health and safety onboard. Six safety drills were carried out during this voyage in both the ICCAT and IOTC operational areas: Firefighting, Abandon ship, Oil spill, Life rescue and boat launching, Emergency steering, Man overboard and Enclosed space rescue Drills. The observer did not witness these drills being undertaken. They were recorded on paperwork which was provided to the observer. On a note from the consortium, we would like to encourage observer participation in vessel safety practices, and recommend the vessel to include the observer in all drills as a best practice.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Table 11 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		03/09/19	23°58.2084 S	001°59.8731 E	Vessels exchanged supply and cargo.	Yes
		03/09/19	23°50.4179 S	2°57.9201 E	Vessels exchanged supply and cargo.	Yes

ICCAT

Observer Report



Trip Number:	238/19
Vessel Name:	Hsiang Hao
ICCAT Ref. No.	AT000PAN00228
Observer Name:	Rebeca Ocon Rodriguez
Cruise Dates:	From: 16/08/2019 To: 19/10/2019

1 Cruise Summary

In accordance with the bilateral agreement between Toei Reefer Line CO LTD and MRAG CO LTD, Rebeca Ocon (ROP no. 124) joined the Panama registered Carrier Vessel (CV) Hsiang Hao (RFMO No AT000PAN00228) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 16/08/2019 to 19/10/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Hsiang Hao	Call sign:	HOFD
Port of registration:	Panama	Flag State:	Panama
Owner:	Ryoma Marine Transport Corp	Charterer:	Toei Reefer Line CO Ltd
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	8323.99 m³
Size (GRT):	7139.00 t	Length (LOA):	137.01
Vessel monitoring system (present/absent):	Present		
Tuna products already on board (Quantity)	No		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Las Palmas, Spain
Date of embarkation	16/08/2019
Method of embarkation*	Portside
Date of departure	19/08/2019
Date of first transshipment	04/09/2019
Date of last transshipment	10/10/2019
Date of return	19/10/2019
Date of disembarkation	19/10/2019
Method of disembarkation*	Portside
Port of return	Cape Town, South Africa

*(portside, transfer vessel in port, transfer vessel offshore)

4 Carrier Vessel Activities Summary

1.1 Logistics & Areas of Activity

The vessel made a total of 37 transshipments at sea, the locations are shown in detail in

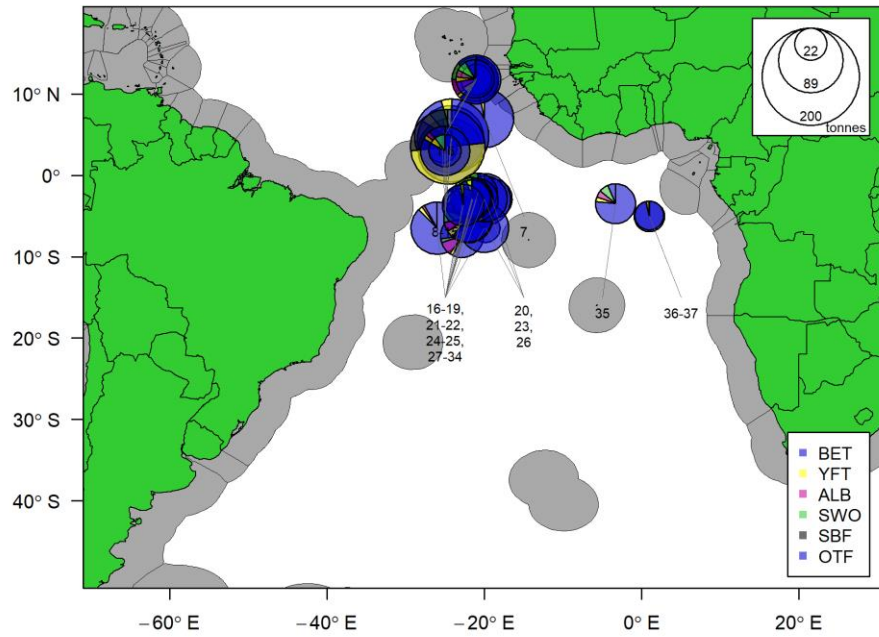


Figure 1, the numbers received by nationality of vessel are given in Table 1.

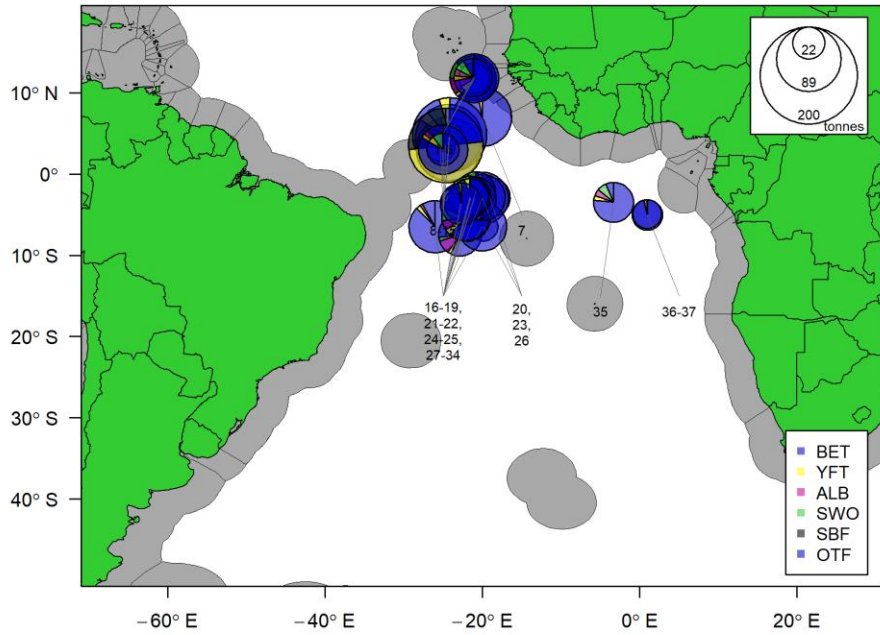


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	23
XXX	12
XXX	1
XXX	1

Comments: CV made additional of 2 Non-ROP transhipments, supplying fuel, bait dry cargo and frozen food. A summary of these cargo transhipments are provided in Table 11.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspect.	Date	Latitude	Longitude	Tranship. time	% Obs.
1				Yes	04/09/2019	11°57.539 N	020°58.265 W	7:28	100
2				Yes	05/09/2019	11°35.126 N	021°07.653 W	9:27	100
3				Yes	06/09/2019	11°50.197 N	021°04.252 W	10:57	100
4				No	07/09/2019	11°47.395 N	021°01.619 W	2:10	100
5				Yes	07/09/2019	11°46.373 N	021°01.776 W	21:47	100
6				Yes	08/09/2019	11°51.658 N	021°10.937 W	21:05	100
7				Yes	10/09/2019	07°00.200 N	019°59.347 W	1:42	100
8				Yes	12/09/2019	03°04.744 N	024°21.083 W	5:35	100
9				Yes	13/09/2019	04°27.851 N	024°17.269 W	2:29	100
10				Yes	14/09/2019	04°41.339 N	024°09.947 W	2:57	100
11				Yes	15/09/2019	04°50.071 N	024°09.694 W	4:03	100
12				Yes	16/09/2019	03°31.800 N	024°39.850 W	4:24	100
13				Yes	17/09/2019	03°17.426 N	025°18.491 W	5:07	100
14				Yes	18/09/2019	03°00.204 N	024°59.881 W	1:44	100
15				Yes	18/09/2019	03°01.972 N	025°01.016 W	2:58	100
16				Yes	21/09/2019	06°28.859 S	026°01.204 W	2:59	100
17				Yes	23/09/2019	06°57.891 S	023°02.192 W	3:05	100
18				Yes	24/09/2019	07°27.236 S	022°50.721 W	1:20	100
19				Yes	25/09/2019	06°27.813 S	020°00.959 W	4:42	100

No	Name	RFMO No	Flag	Inspect.	Date	Latitude	Longitude	Tranship. time	% Obs.
20				Yes	26/09/2019	06°28.739 S	019°50.372 W	5:52	100
21				Yes	27/09/2019	05°17.910 S	022°01.883 W	0:43	100
22				Yes	27/09/2019	05°14.105 S	022°07.245 W	2:51	100
23				Yes	28/09/2019	02°52.509 S	019°01.916 W	3:43	100
24				Yes	29/09/2019	02°07.746 S	020°51.617 W	2:14	100
25				Yes	30/09/2019	02°58.903 S	021°00.164 W	3:48	100
26				Yes	01/10/2019	02°57.766 S	019°59.006 W	3:50	100
27				Yes	01/10/2019	02°52.563 S	020°00.568 W	3:45	100
28				Yes	02/10/2019	02°58.694 S	021°30.281 W	3:23	100
29				Yes	02/10/2019	02°52.151 S	021°36.245 W	3:24	100
30				Yes	03/10/2019	02°59.040 S	021°33.000 W	3:06	100
31				Yes	03/10/2019	02°50.544 S	021°36.858 W	3:11	100
32				Yes	04/10/2019	03°39.582 S	022°41.265 W	3:22	100
33				Yes	04/10/2019	03°32.909 S	022°47.742 W	2:55	100
34				Yes	05/10/2019	03°40.863 S	022°41.42 W	2:23	100
35				Yes	09/10/2019	03°28.827 S	003°19.946 W	2:09	100
36				Yes	10/10/2019	05°02.463 S	000°58.366 E	1:49	100
37				Yes	10/10/2019	04°55.775 S	000°56.654 E	1:21	100

Comments:

The observer was able to observe the full duration of all transhipments.

During transhipment n°2, swordfish (*Xiphias gladius*) was not transferred due to a misunderstanding between the xxx and xxx companies. Transhipment with xxxcargo was repeated for the transfer of swordfish (*Xiphias gladius*) in transhipment n°4. As the vessel had already been inspected in transhipment n°2, no vessel inspection occurred in transhipment n°4.

Table 3 Summary of vessel / observer estimated figures (Kg)

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	91,587	90,368	3,339	3,283	0	0	0	0	94,925	93,651	-1,274	-1.36
2	111,903	107,274	3,629	4,270	0	0	0	0	115,531	111,544	-3,987	-3.57
3	103,888	102,081	5,467	5,986	12,441	13,440	0	0	121,796	121,507	-0,289	-0.24
4	0	0	0	0	17,887	17,072	0	0	17,887	17,072	-0,815	-4.77
5	145,473	143,778	7,052	6,943	0	0	0	0	152,525	150,721	-1,804	-1.20
6	36,807	35,656	80,175	76,136	0	0	0	0	158,572	152,727	-5,845	-3.83
7	19,651	18,805	0,393	0,365	3,887	3,110	0	0	23,931	22,280	-1,651	-7.41
8	58,806	55,757	1,999	1,894	0	0	7,980	7,255	68,785	64,906	-3,879	-5.98
9	24,089	23,531	1,781	1,749	3,083	3,039	0	0	28,953	28,319	-0,634	-2.24
10	40,279	37,299	1,617	1,343	5,527	5,483	0	0	47,422	44,125	-3,297	-7.47
11	39,757	37,250	1,271	1,053	7,225	7,135	7,109	6,834	55,361	52,272	-3,089	-5.91
12	45,481	43,250	1,442	1,376	9,770	9,318	0	0	56,693	53,944	-2,749	-5.10
13	40,976	40,105	1,816	1,632	7,689	7,274	9,652	8,970	60,133	57,981	-2,152	-3.71
14	15,463	15,246	2,125	2,094	4,090	3,775	2,659	2,598	24,337	23,713	-0,624	-2.63
15	30,646	29,460	1,834	1,749	3,871	3,726	3,318	3,424	39,668	38,359	-1,309	-3.41
16	34,641	33,595	1,733	1,681	3,303	3,356	3,142	2,840	42,818	41,472	-1,346	-3.25
17	34,483	34,205	1,552	1,524	3,146	3,146	2,648	2,712	41,829	41,587	-0,242	-0.58
18	16,813	16,758	1,015	1,015	2,087	1,934	1,952	1,813	21,867	21,520	-0,347	-1.61
19	73,818	71,765	2,108	2,049	0	0	0	0	75,925	73,814	-2,111	-2.86
20	69,140	65,254	1,974	1,851	0	0	6,717	6,085	77,831	73,190	-4,641	-6.34
21	8,442	8,309	0,639	0,639	0	0	0	0	9,081	8,948	-0,133	-1.49
22	29,970	28,811	1,218	1,139	1,305	1,355	14,682	13,654	47,174	44,959	-2,215	-4.93
23	69,925	64,218	1,478	1,344	0	0	0	0	71,403	65,562	-5,841	-8.91
24	24,940	23,795	2,261	2,142	5,667	4,800	5,595	4,500	38,463	35,237	-3,226	-9.15
25	53,656	51,021	1,706	1,619	3,387	3,387	6,495	5,579	65,244	61,606	-3,638	-5.91
26	40,150	38,789	3,067	3,030	6,660	5,521	13,197	12,297	63,075	59,637	-3,438	-5.76
27	35,039	29,945	3,621	3,024	1,839	1,944	16,864	16,183	57,363	51,096	-6,267	-12.27
28	38,143	37,997	1,306	1,291	2,893	2,927	0	0	42,342	42,215	-0,127	-0.30
29	46,416	45,979	1,711	1,685	3,091	3,118	0	0	51,218	50,782	-0,436	-0.86

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
30	40,009	38,924	1,990	1,902	0	0	0	0	42,000	40,826	-1,174	-2.87
31	42,117	41,885	1,187	1,187	5,240	5,240	0	0	48,544	48,312	-0,232	-0.48
32	37,494	34,094	1,208	1,085	7,892	7,477	0	0	46,595	42,656	-3,939	-9.23
33	41,856	37,181	2,132	1,809	0	0	0	0	43,988	38,990	-4,998	-12.82
34	29,761	29,495	1,350	1,350	0	0	0	0	31,111	30,845	-0,266	-0.86
35	50,843	46,616	1,114	1,003	0	0	0	0	51,957	47,619	-4,338	-9.11
36	26,743	24,904	0,533	0,489	0	0	0	0	27,276	25,393	-1,883	-7.42
37	23,192	21,776	0,932	0,890	0	0	0	0	24,124	22,666	-1,458	-6.43

Comments:

During transshipments n°27 and n°33, the observer estimated an amount transhipped to be greater than that declared by more than 10%. Neither of these transshipments were extraordinary or involved large and complex strings. As such, the observer is confident in her estimations.

6 Species and weight transferred

The vessel contained no tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **¡Error! No se encuentra el origen de la referencia.**, a breakdown by transshipment is shown in **¡Error! No se encuentra el origen de la referencia.**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed weight (t)	Observed Percentage (%)	Declared weight (t)	Declared Percentage(%)
Albacore	<i>Thunnus alalunga</i>	All	26.707	1.28	25.877	1.29
Albacore	<i>Thunnus alalunga</i>	N	10.010	0.48	9.308	0.46
Albacore	<i>Thunnus alalunga</i>	S	13.905	0.67	12.161	0.61
Atlantic blue marlin	<i>Makaira nigricans</i>	All	7.696	0.37	7.703	0.38
Atlantic sailfish	<i>Istiophorus albicans</i>	All	0.624	0.03	0.558	0.03
Atlantic Spanish mackerel	<i>Scomberomorus maculatus</i>	All	0.130	0.01	0.105	0.01
Bigeye tuna	<i>Thunnus obesus</i>	All	1,672.395	80.11	1,605.176	80.18
Blue shark	<i>Prionace glauca</i>	All	18.339	0.88	17.287	0.86
Dolphinfish	<i>Coryphaena hippurus</i>	All	0.725	0.03	0.710	0.04
Longbill spearfish	<i>Tetrapturus pfluegeri</i>	All	0.257	0.01	0.257	0.01
Oilfish	<i>Ruvettus pretiosus</i>	All	10.374	0.50	8.928	0.45
Opah	<i>Lampris guttatus</i>	All	3.404	0.16	3.260	0.16
Other fish Unclassified	N/A	All	5.271	0.25	4.405	0.22
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	All	2.376	0.11	2.244	0.11
Southern bluefin tuna	<i>Thunnus maccoyii</i>	All	41.590	1.99	40.935	2.04
Striped marlin	<i>Tetrapturus audax</i>	All	0.037	0.00	0.037	0.00
Swordfish	<i>Xiphias gladius</i>	All	25.645	1.23	20.182	1.01
Swordfish	<i>Xiphias gladius</i>	N	7.274	0.35	5.861	0.29

Common Name	Scientific Name	Stock ID	Observed weight (t)	Observed Percentage (%)	Declared weight (t)	Declared Percentage(%)
Swordfish	<i>Xiphias gladius</i>	S	89.061	4.27	91.534	4.57
Wahoo	<i>Acanthocybium solandri</i>	All	2.154	0.10	1.904	0.10
Yellowfin tuna	<i>Thunnus albacares</i>	All	149.775	7.17	143.621	7.17

Comments: The main species transhipped during the voyage were bigeye tuna (*Thunnus obesus*), yellowfin tuna (*Thunnus albacares*), and swordfish (*Xiphias gladius*). Other fish Unclassified were stomachs or Fish eggs.

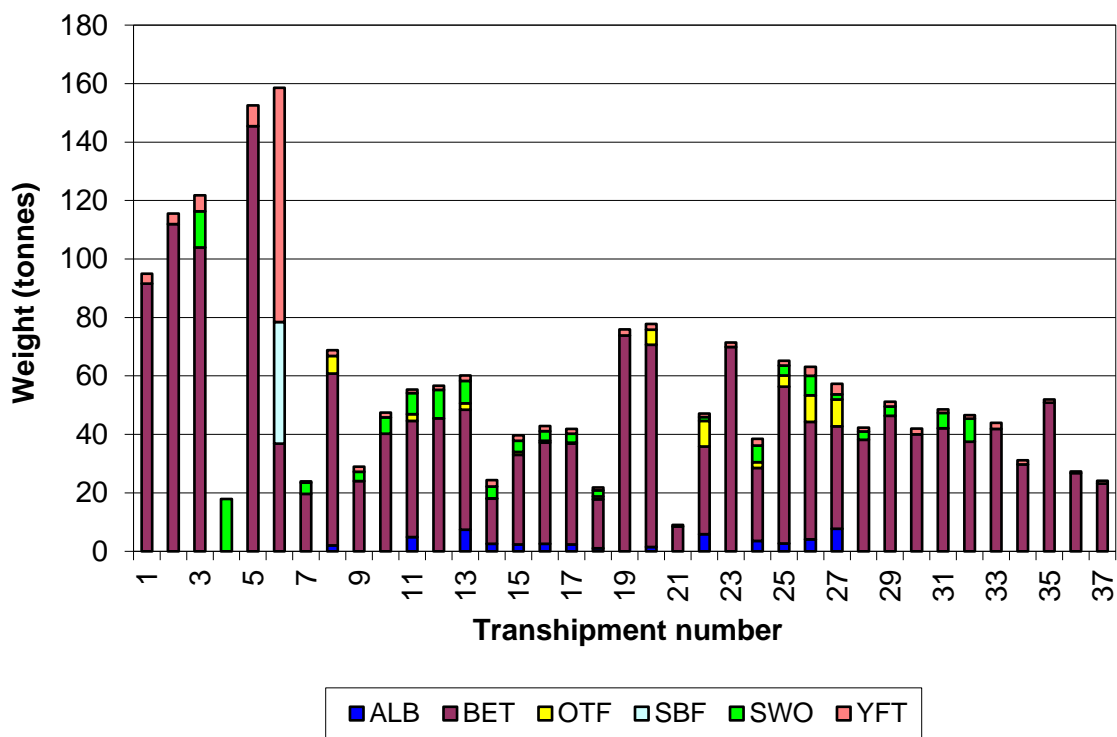


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species (kg)

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	24.30
Atlantic blue marlin	<i>Makaira nigricans</i>	89.48
Atlantic sailfish	<i>Istiophorus albicans</i>	18.37
Atlantic Spanish mackerel	<i>Scomberomorus maculatus</i>	12.97
Bigeye tuna	<i>Thunnus obesus</i>	45.80
Blue shark	<i>Prionace glauca</i>	32.34

Common Name	Scientific name	Average weight (kg)
Dolphinfish	<i>Coryphaena hippurus</i>	5.21
Longbill spearfish	<i>Tetrapturus pfluegeri</i>	19.77
Oilfish	<i>Ruvettus pretiosus</i>	16.92
Opah	<i>Lampris guttatus</i>	14.24
Other fish Unclassified	N/A	24.40
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	18.86
Southern bluefin tuna	<i>Thunnus maccoyii</i>	59.59
Striped marlin	<i>Tetrapturus audax</i>	37.00
Swordfish	<i>Xiphias gladius</i>	48.10
Wahoo	<i>Acanthocybium solandri</i>	13.06
Yellowfin tuna	<i>Thunnus albacares</i>	36.06

Comments:

Albacore (*T. alalunga*) and Dolphinfish (*Coryphaena hippurus*) were transhipped as rounded weight. Southern bluefin tuna (*Thunnus maccoyii*), bigeye tuna (*T. obesus*) and yellowfin tuna (*T. albacares*) were transhipped as gilled and gutted. Opah (*L. guttatus*) and oilfish (*Ruvettus pretiosus*) as head off. Atlantic blue marlin (*M. nigricans*), Atlantic spanish mackerel (*Scomberomorus maculatus*), Atlantic sailfish (*Istiophorus albicans*), blue shark (*Prionace glauca*), longbill spearfish (*Tetrapturus pfluegeri*), shortbill spearfish (*Tetrapturus angustirostris*), striped marlin (*Tetrapturus audax*), and swordfish (*Xiphias gladius*) were transhipped as dressed weight. Wahoo (*Acanthocybium solandri*) was transhipped as both rounded weight and head off.

During the trip, several xxx F/V (xxx (Transshipment n°8), xxx (Transshipment n° 24), xxx (Transshipment n°) or xxx (Transshipment n° 27)) asked to record Oilfish as LEC and Opah as LAG on the ICCAT Transshipment Declaration.

During the deployment the observer took the average weights from the information provided by the LSTLV and multiplied this by the estimated number of each species to obtain the total weight for each species in each transshipment.

7 Southern bluefin tuna transhipments

Table 6 Summary of southern bluefin tuna transhipments

No	Vessel name	ICCAT No	Flag	Checked	Date	Lat	Lon	Tranship. time	% Obs.
6				Yes	08/09/2019	11°51,658 N	021°10,937 W	3:05	100

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight of Fish (SBF) (tonnes)	Catch Monitoring Form Number	Tag series number (from – to)
6	9	687	40.935	Not Available	from NO.1 to NO.687

Comments:

The Southern bluefin tuna (*Thunnus maccoyii*) were not officially tagged due to exceptional circumstances mentioned in the letter “Application of the provision 4.1.2 (exceptional circumstances) of Resolution on the Implementation of a CCSBT Catch Documentation Scheme” from the xxx (Figure 3). The fish will require tagging immediately upon landing.

CCSBT were notified in advance and they were made aware of this and accepted the exceptional circumstances.

The F/V Captain used "homemade" tags and provided to the observer a copy of the Catch Tagging Form.

Figure 3 – Letter from the xxx provided to the observer

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels.

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Yes	04/09/19	No	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	Yes	Yes	PB	04/09/2019
2			Yes	05/09/19	Yes	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	Yes	Yes	PB	04/09/2019
3			Yes	06/09/19	Yes	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	Yes	Yes	PB	05/09/2019
4			n	-	Yes	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	Yes	Yes	PB	-
5			Yes	07/09/19	Yes	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	No	Yes	PB	07/09/2019
6			Yes	08/09/19	Yes	Yes	Yes	Yes	Yes	11/03/23	Yes	Yes	Yes	Yes	Yes	PB	08/09/2019
7			Yes	10/09/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	10/09/2019
8			Yes	12/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	12/09/2019
9			Yes	13/09/19	Yes	Yes	No	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	13/09/2019
10			Yes	14/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	14/09/2019
11			Yes	15/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	14/09/2019
12			Yes	16/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	16/09/2019
13			Yes	17/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	16/09/2019
14			Yes	18/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	18/09/2019
15			Yes	18/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	18/09/2019
16			Yes	21/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	19/09/2019
17			Yes	23/09/19	Yes	Yes	No	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	22/09/2019
18			Yes	24/09/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	23/09/2019

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
19			Yes	25/09/19	Yes	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	Yes	Yes	PB	25/09/2019
20			Yes	26/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	25/09/2019
21			Yes	27/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	26/09/2019
22			Yes	27/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	26/09/2019
23			Yes	28/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/09/2019
24			Yes	29/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	28/09/2019
25			Yes	30/09/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	30/09/2019
26			Yes	01/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	29/09/2019
27			Yes	01/10/19	Yes	Yes	Yes	Yes	Yes	06/05/20	Yes	Yes	Yes	Yes	Yes	PB	30/09/2019
28			Yes	02/10/19	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	01/10/2019
29			Yes	02/10/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	02/10/2019
30			Yes	03/10/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	03/10/2019
31			Yes	03/10/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	03/10/2019
32			Yes	04/10/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	03/10/2019
33			Yes	04/10/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	03/10/2019
34			Yes	05/10/19	Yes	Yes	Yes	Yes	Yes	31/03/21	Yes	Yes	Yes	Yes	Yes	PB	05/10/2019
35			Yes	09/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	08/10/2019
36			Yes	10/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	10/10/2019
37			Yes	10/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Yes	Yes	Yes	Yes	PB	10/10/2019

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Table 9 **Comments on LSPLV checks**

No	Comments
1	<p>xxxThe name markings on the bow of the LSPLV were covered with fouling and not practically legible.</p> <p>Figure 4 - Bow markings of the xxx.</p>
5	<p>xxx No power light visible on the VMS unit of xxx Figure 5 - VMS unit of xxx</p>
9	<p>Xxx The NRN displayed on the ATF was (JI)(2017)FT-200003, which is currently assigned to xxx according to the ICCAT vessel registry. F/V Company asked to register a different number on the ICCAT Declaration - (JI)(2018)FT-200004, which is the correct number for this vessel.</p> <p>Figure 6 - NRN displayed on the ATF</p> <p>Figure 7 – ICCAT transshipment declaration</p>
17	<p>Xxx The NRN displayed on the ATF was: (JI)(2017)FT-200004, which is currently assigned to xxx according to the ICCAT vessel registry. F/V Company asked to register a different number on the ICCAT Declaration - (JI)(2018)FT-200001, which is the correct number for this vessel.</p> <p>Figure 8 - NRN displayed on the ATF.</p> <p>Figure 9 - ICCAT transshipment declaration.</p>
20	<p>Xxx During the transshipment nº20, the Greenpeace vessel Arctic Sunrise arrived. They did not board any of the vessels (F/V nor C/V). They sent 2 rigid inflatable boats and filmed the operation. When C/V and F/V were totally separated, the rigid inflatable boats went back to their vessel and left.</p>



Figure 10 - Greenpeace vessel rigid inflatable boats.



Figure 11 – Greenpeace vessel Arctic Sunrise

The observer made 1 Potential Non Compliance (PNC) report summarised below in Table 10.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
1			1	IIM		
5			2	VNL		

Comments: No power Light was visible on the xxx VMS unit.

9 Other Observer Tasks.

9.1 CV waste disposal

All waste produced onboard was retained in specific containers and bins for disposal ashore.

9.2 Unidentified or IUU vessels

No unidentified or IUU vessels were sighted during the cruise.

9.3 Marine mammals.

No marine mammals were observed during the deployment.

10 Health and Safety on board the CV

When the observer embarked to conduct the pre-sea inspection it was apparent that the vessels life rafts would pass their expiry date during the voyage. When highlighted to the Captain, the vessel stopped at Tangier, Morroco to refit new liferafts. A Fire and Abandon ship drill was carried out before arrive to the fishing ground on the 18/08/2019.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes X	No
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Appendix – I

Table 11 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		24/08/2019	35°47.465 N	005°47.822 W	Material, dry cargo, food and bait were transferred.	Y
		29/09/2019	02°10.092 S	020°50.316 W	Dry cargo was transferred	Y

ICCAT

Observer Report



Trip Number:	239-19
Vessel Name:	Chikuma
ICCAT Ref. No.	AT000LBR00003
Observer Name:	Peter Johann Beets
Cruise Dates:	From: 10/10/2019 to 18/11/2019

1 Cruise Summary

In accordance with the bilateral agreement between MRS Corporation and Capricorn Fisheries Monitoring CC, Peter Johann Beets (ROP no.152) joined the Liberian registered Carrier Vessel (CV) Chikuma (RFMO no. AT000LBR00003) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 10/10/2019 to 18/11/2019.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSTLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSTLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Chikuma	Call sign:	D5JI4
Port of registration:	Monrovia	Flag State:	Liberia
Owner:	MRS Corporation	Charterer:	MRS Corporation
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	3900 t
Size (GRT):	6558 t	Length (LOA):	134.2 m
On-board acoustic equipment:	Furuno FE-700 Navigational Echo sounder		
Position fixing equipment:	Furuno FA-1501 U-AIS Transponder		
Vessel monitoring system (present/absent):	Present: Argos (CLS) Leo & CLS Thorium TST-100		
Radar:	Furuno MU-190 (X3)		
Communications equipment:	Furuno FM-8900S VHF Radiotelephone (X2) Furuno FS-2575 Radiotelephone (X2) Furuno Satellite Telephone (X2) Entel Survival Craft Radio (X3) Furuno FAX-410 Facsimile Receiver (Weather Fax) Furuno NX-700 Navtex Receiver Furuno Inmarsat MES IC-306 Furuno Inmarsat MES IC-305		
Plotters:	Furuno GP-150 GPS Navigator (X2)		
Tuna products already on board (Quantity)	850 t		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, RSA
Date of embarkation	10/10/2019
Method of embarkation*	Portside
Date of departure	11/10/2019
Date of first transshipment	17/10/2019
Date of last transshipment	12/11/2019
Date of return	17/11/2019
Date of disembarkation	18/11/2019
Method of disembarkation*	Transfer vessel in port
Port of return	Mindelo, Sao Vicente

4 Carrier Vessel Activities Summary

4.1 Logistics & Areas of Activity

The vessel made a total of 30 transhipments at sea, the locations are shown in detail in

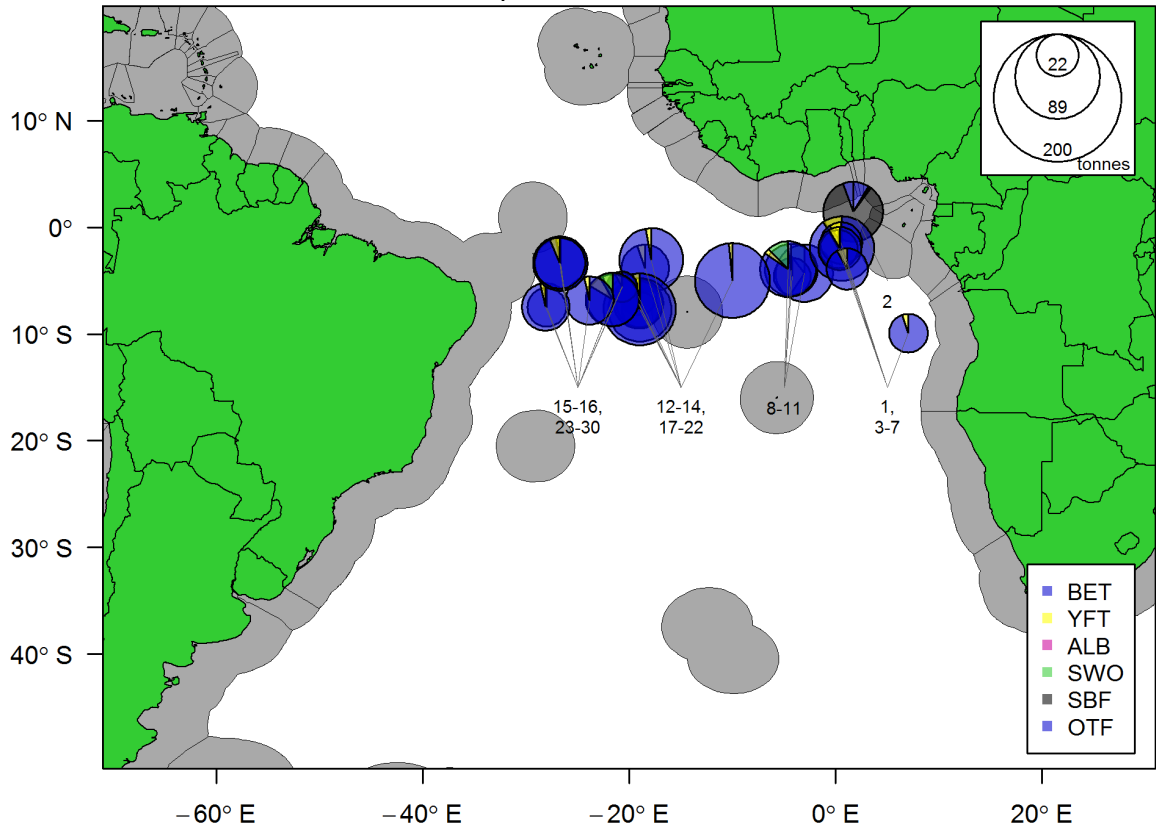


Figure 1. The numbers received by nationality of vessel are given in Table 1.

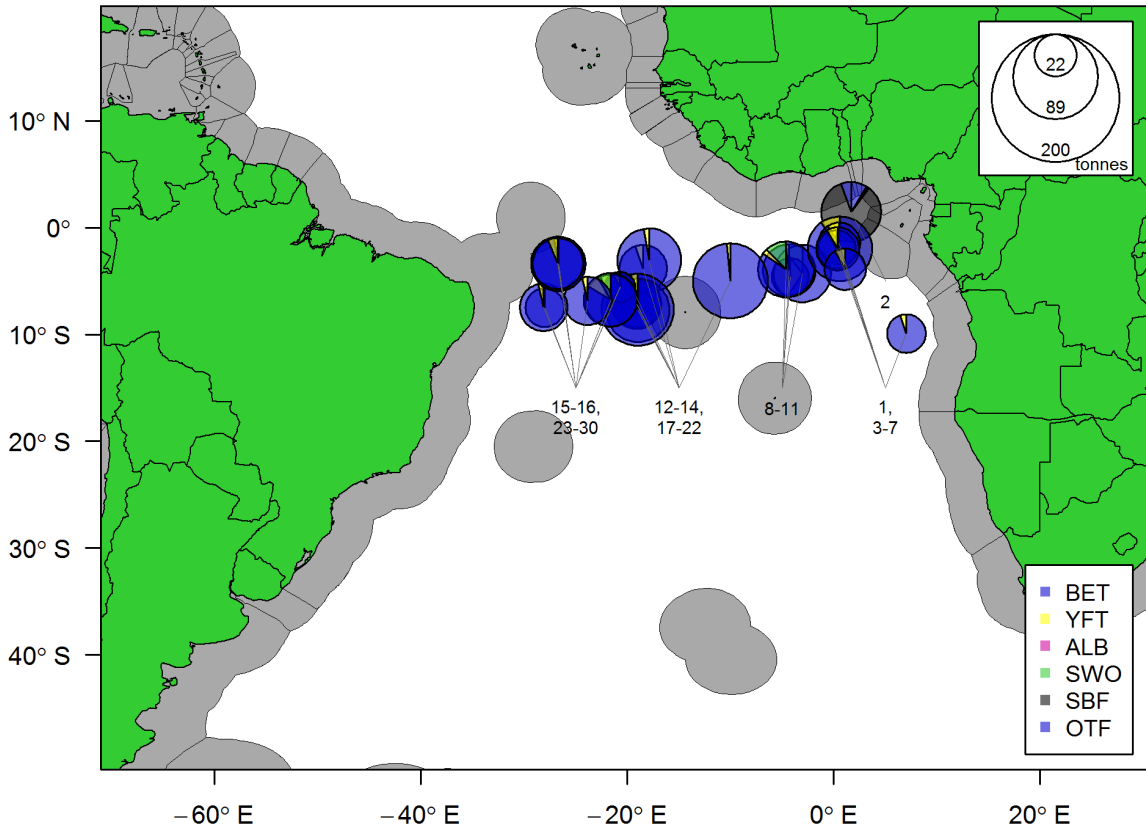


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
xxx	24
xxx	3
xxx	1
xxx	2

Comments:

The CV conducted fourteen non-ROP cargo-only transhipments during this deployment, including four cargo transhipments to Japanese flagged LSPLVs, eight to xxx flagged LSPLVs and two to xxx flagged LSPLVs. In most cases, dry cargo and bait were transhipped. Only one involved the transhipment of fuel. Further information of these Non-ROP cargo transhipments are provided in Table 12.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
1				Yes	17/10/19	09°54.83 S	007°02.50 E	03:28	100%
2				Yes	20/10/19	01°27.67 N	001°41.15 E	03:11	100%
3				Yes	21/10/19	01°28.45 S	000°32.47 E	01:31	100%
4				Yes	22/10/19	02°02.33 S	000°17.45 E	02:50	100%
5				Yes	22/10/19	01°59.10 S	000°23.69 E	03:00	100%
6				Yes	24/10/19	01°58.77 S	000°35.60 E	03:35	100%
7				Yes	25/10/19	03°53.82 S	001°06.29 E	02:25	100%
8				Yes	26/10/19	04°18.00 S	003°02.65 W	03:32	100%
9				Yes	27/10/19	04°35.90 S	004°13.16 W	01:20	100%
10				Yes	28/10/19	04°00.05 S	004°19.20 W	01:20	100%
11				Yes	28/10/19	03°54.75 S	004°37.40 W	02:20	100%
12				Yes	30/10/19	04°59.15 S	010°00.77 W	02:25	100%
13				Yes	01/11/19	03°49.71 S	018°27.26 W	04:25	100%
14				Yes	02/11/19	03°02.70 S	017°52.39 W	06:30	100%
15				Yes	04/11/19	05°35.79 S	020°39.61 W	01:05	100%
16				Yes	04/11/19	05°34.08 S	020°42.63 W	00:55	100%
17				Yes	05/11/19	07°12.20 S	019°00.81 W	01:55	100%
18				Yes	05/11/19	07°08.69 S	019°06.23 W	03:10	100%
19				Yes	06/11/19	06°28.12 S	019°06.87 W	02:00	100%
20				Yes	07/11/19	07°46.52 S	018°56.84 W	01:20	100%
21				Yes	07/11/19	07°44.36 S	018°57.96 W	01:40	100%
22				Yes	07/11/19	07°40.47 S	018°59.93 W	02:50	100%
23				Yes	08/11/19	06°48.62 S	021°34.50 W	02:30	100%
24				Yes	08/11/19	06°46.01 S	021°37.66 W	02:55	100%
25				Yes	09/11/19	06°51.37 S	023°50.26 W	01:10	100%

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transshipment time	% Observed
26				Yes	10/11/19	07°29.44 S	027°58.89 W	05:15	100%
27				Yes	10/11/19	07°27.49 S	028°05.73 W	02:55	100%
28				Yes	12/11/19	03°27.05 S	026°38.17 W	01:25	100%
29				Yes	12/11/19	03°23.82 S	026°40.88 W	02:05	100%
30				Yes	12/11/19	03°20.88 S	026°43.37 W	01:55	100%

Comments: Conditions were favourable and the observer managed to board all LSPLVs for the on-board inspections. The full duration of all transshipments were observed.

Table 3 Summary of vessel / observer estimated figures

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	5.203	6.442	0.231	0.231	0.27	0.246	3.573	4.19	70.524	73.794	3.27	4.43%
2	40.874	40.5	21.024	20.87	7.173	7.1	0	0	69.071	68.47	-0.60	-0.88%
3	28.236	27.863	0.761	0.761	0	0	0	0	28.997	28.624	-0.37	-1.30%
4	55.928	56.226	1.348	1.348	0	0	0	0	57.276	57.574	0.30	0.52%
5	65.566	54.996	2.312	1.94	8.05	8.05	0	0	75.928	64.986	-10.94	-16.84%
6	105.857	115	1.703	1.852	0	0	0	0	107.56	116.852	9.29	7.95%
7	41.317	44.5	2.3	2.5	0	0	0	0	43.617	47	3.38	7.20%
8	64.129	81.888	1.921	2.437	0	0	0	0	66.05	84.325	18.28	21.67%
9	25.451	25.258	2.423	2.387	0	0	0	0	27.874	27.645	-0.23	-0.83%
10	26.233	26.021	1.698	1.673	0	0	0	0	27.931	27.694	-0.24	-0.86%
11	39.921	39.001	1.108	1.068	4.462	4	0	0	45.491	44.069	-1.42	-3.23%
12	60.985	49.894	1.221	1.004	0	0	0	0	62.206	50.898	-11.31	-22.22%
13	80.976	80.62	3.16	3.16	0	0	0	0	84.136	83.78	-0.36	-0.42%
14	106.138	104.99	3.204	3.165	0	0	0	0	109.342	108.155	-1.19	-1.10%
15	16.452	16.612	0.756	0.756	0	0	0	0	17.208	17.368	0.16	0.92%
16	17.82	17.82	1.595	1.595	0	0	0	0	19.415	19.415	0.00	0.00%
17	49.078	51.89	3.519	3.711	0	0	0	0	52.597	55.601	3.00	5.40%
18	51.575	49.973	5.1	4.935	4.696	4.82	0	0	61.371	59.728	-1.64	-2.75%
19	46.532	46.531	1.789	1.789	0	0	0	0	48.321	48.32	0.00	0.00%
20	30.133	30.479	0.667	0.667	0	0	0	0	30.8	31.146	0.35	1.11%
21	44.39	45.217	1.747	1.794	0	0	0	0	46.137	47.011	0.87	1.86%
22	53.823	54.4	1.815	1.84	0	0	0	0	55.638	56.24	0.60	1.07%
23	59.619	60	1.62	1.62	0	0	0	0	61.239	61.62	0.38	0.62%
24	52.229	50.267	3.575	3.429	0	0	0	0	55.804	53.696	-2.11	-3.93%
25	29.426	29.27	1.58	1.58	0	0	0	0	31.006	30.85	-0.16	-0.51%
26	73.71	77.922	8.136	8.617	0	0	0	0	81.846	86.539	4.69	5.42%
27	31.833	32.802	3.444	3.53	0	0	0	0	35.277	36.332	1.06	2.90%
28	26.639	27.987	2.279	2.381	0	0	0	0	28.918	30.368	1.45	4.77%
29	35.099	35.4	3.26	3.3	0	0	0	0	38.359	38.7	0.34	0.88%
30	33.243	32.591	2.999	2.924	0	0	0	0	36.242	35.515	-0.73	-2.05%

Comments:

The species included under the column “other” (declared) includes southern bluefin tuna (*Thunnus maccoyii* [62.685t]), butterfly kingfish (*Gasterochisma melampus* [3.212t]) albacore (*Thunnus alalunga* [0.6t]), Atlantic blue marlin (*Makaira nigricans* [0.076t]) and opah (*Lampris guttatus* [0.302t]).

Transshipment 5:

Despite the large discrepancy between the declared tonnage and the observer's estimate, the observer had full confidence in his count of the number of fish units transhipped. The captain of the LSPLV may have over-estimated the average fish mass of the species transhipped. This would have resulted in an inflated weight estimation.

Transshipment 8:

Despite the large discrepancy between the declared tonnage and the observer's estimate, the observer was confident of the accuracy of his fish count. The observer counted 1714 units of big eye tuna (*Thunnus obesus*) while the LSPLV indicated they had transhipped 1862 units.

Transshipment 12:

The observer had good confidence in his estimate of the number of fish transhipped, despite a discrepancy of more than 20% between the number of fish observed and the number declared by the LSPLV. The *T. obesus* transhipped were declared as having an average mass of 74.93 kg, but this appeared to be inflated. The fish seen by the observer appeared to be well below the fish mass reported by the LSPLV. If the average mass for bigeye tuna (*T. obesus*) and yellowfin tuna (*T. albacares*) of 56,152 kg for the preceding eleven transhipments were to be applied to this transshipment, the observer's estimate would amount to 48,2 tonnes. This appeared to be a more accurate estimate for this transshipment, as the fish observed were of a similar size as in the preceding eleven transhipments.

Transshipment 19:

After the completion of the transshipment, the captain of the LSPLV asked what the observer's fish counts were. The difference between the observed number of fish and those on the original transshipment declaration was minimal, so the observer decided to disclose his counts as a courtesy to the captain of the LSPLV. The captain of the LSPLV then proceeded to change the transshipment declaration so that the number of fish observed were identical to what the captain entered into the transshipment declaration. Copies of both the original and the amended transshipment declarations were saved in the observer's photographic log. The observer decided to use the original transshipment declaration's numbers for the purposes of calculating the average fish weights as these contained no known bias.

6 Species and weight transferred

The carrier vessel contained 850 tonnes of tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **¡Error! No se encuentra el origen de la referencia.**, a breakdown by transshipment is shown in **¡Error! No se encuentra el origen de la referencia.**

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed		Declared	
			Weight (t)	%	Weight (t)	%
Albacore	<i>Thunnus alalunga</i>	Ind	0.00	0.00%	0.60	0.04%
Albacore	<i>Thunnus alalunga</i>	Unk	0.66	0.04%	0.00	0.00%
Atlantic blue marlin	<i>Makaira nigricans</i>	S	0.00	0.00%	0.08	0.00%
Atlantic blue marlin	<i>Makaira nigricans</i>	Unk	0.08	0.00%	0.00	0.00%
Bigeye tuna	<i>Thunnus obesus</i>	All	0.00	0.00%	1411.23	88.63%
Bigeye tuna	<i>Thunnus obesus</i>	Ind	0.00	0.00%	1.13	0.07%
Bigeye tuna	<i>Thunnus obesus</i>	UNK	1398.42	88.72%	0.00	0.00%
Butterfly kingfish	<i>Gasterochisma melampus</i>	Ind	0.00	0.00%	3.21	0.20%
Butterfly kingfish	<i>Gasterochisma melampus</i>	Unk	2.53	0.16%	0.00	0.00%
Mixed Tunas		Unk	0.02	0.00%	0.00	0.00%
Opah	<i>Lampris guttatus</i>	Ind	0.00	0.00%	0.30	0.02%
Opah	<i>Lampris guttatus</i>	Unk	0.29	0.02%	0.00	0.00%
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Ind	0.00	0.00%	62.69	3.94%
Southern bluefin tuna	<i>Thunnus maccoyii</i>	Unk	61.25	3.89%	0.00	0.00%
Swordfish	<i>Xiphias gladius</i>	Ind	0.00	0.00%	0.12	0.01%
Swordfish	<i>Xiphias gladius</i>	N	0.00	0.00%	3.56	0.22%
Swordfish	<i>Xiphias gladius</i>	S	0.00	0.00%	20.53	1.29%
Swordfish	<i>Xiphias gladius</i>	Unk	24.65	1.56%	0.00	0.00%
Yellowfin tuna	<i>Thunnus albacares</i>	All	0.00	0.00%	88.86	5.58%
Yellowfin tuna	<i>Thunnus albacares</i>	UNK	88.30	5.60%	0.00	0.00%

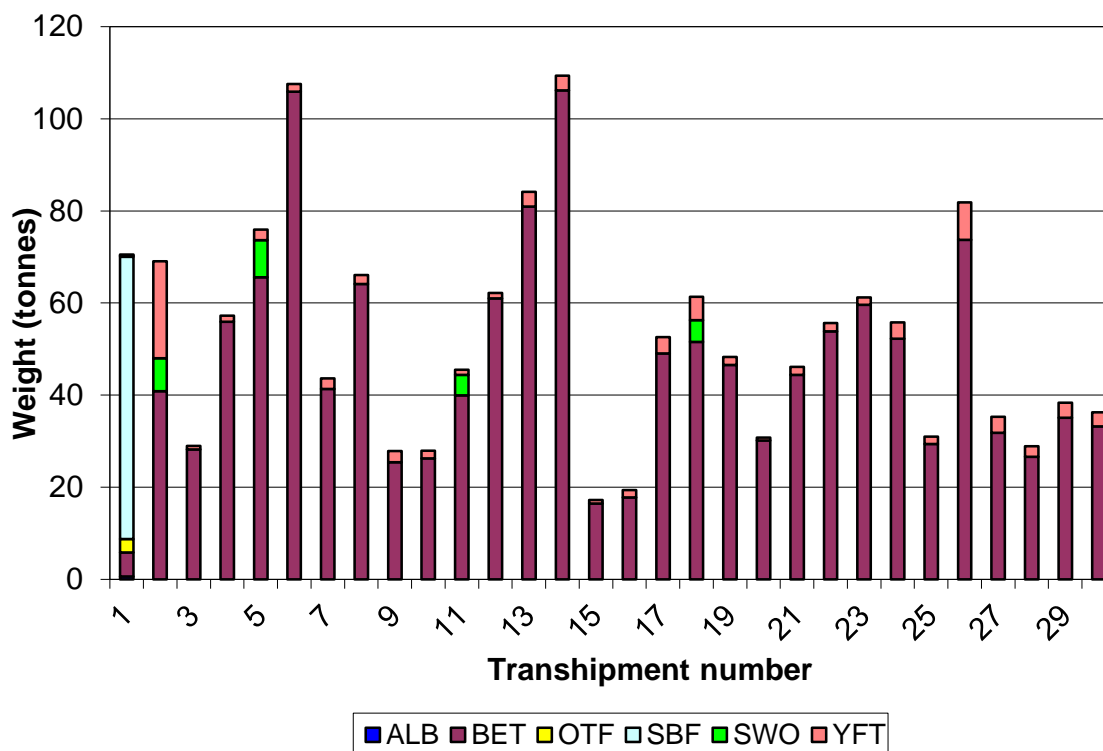


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species

Common Name	Scientific name	Average weight (kg)
Albacore	<i>Thunnus alalunga</i>	14.28
Atlantic blue marlin	<i>Makaira nigricans</i>	76.00
Bigeye tuna	<i>Thunnus obesus</i>	50.82
Butterfly kingfish	<i>Gasterochisma melampus</i>	14.21
Mixed Tunas	<i>Thunnus spp.</i>	10.00
Opah	<i>Lampris guttatus</i>	12.08
Southern bluefin tuna	<i>Thunnus maccoyii</i>	71.89
Swordfish	<i>Xiphias gladius</i>	69.44
Yellowfin tuna	<i>Thunnus albacares</i>	37.93

Comments:

The species transhipped in descending order of total weight were; big eye tuna (*T. obesus*), yellowfin tuna (*T. albacares*), Southern bluefin tuna (*T. maccoyii*), swordfish (*Xiphias gladius*), butterfly kingfish (*G. melampus*) albacore (*T. alalunga*) opah (*L. guttatus*) and Atlantic blue marlin (*M. nigricans*).

The first transshipment was dominated by southern bluefin tuna *T. maccoyii* and was also the only at sea transshipment involving this species.

Observer estimates were obtained through a physical count of individual fish by species transhipped. The LSPLVs provided the observer with tonnages and number of fish per

species transhipped. Average weights per fish for each species were calculated and multiplied by the observer's actual counts after each transshipment.

Bigeye tuna (*T. obesus*) and yellowfin tuna *T. albacares* were counted together and proportioned based on the ratio of the amounts declared as the amounts declared by the respective LSPLV.

The estimation technique described was used for all thirty transshipments. Strings were easily counted for the greater part of the deployment, although in some larger bunched up strings, fish could not be counted individually and had to be estimated on rare occasions.

The CV did not make use of a hook scale.

7 Southern bluefin tuna transhipments

Table 6 Summary of southern bluefin tuna transhipments

No	Vessel name	ICCAT No	Flag	Inspected	Date	Lat	Lon	Transhipment time	% Observed
1			xxx	Yes	17/10/19	09°54,829 S	007°02,497 E	03:28	100,00%

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight (KG)	Catch Monitoring Form Number	Tag series number(from – to)
1	2	3	0.237	xxx	xxx
1	8	869	62.448	xxx	xxx

Comments:

The *T. maccoyii* transhipped were all tagged with the specified tags and the Commission for the Conservation of Southern Bluefin Tuna (CCSBT) Catch Monitoring (CMF) was completed and signed by the master of the CV, The master of the LSPLV and the observer.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
1			Yes	17/10/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	EL	17/10/19
2			Yes	20/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	19/10/19
3			Yes	21/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	20/10/19
4			Yes	22/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	21/10/19
5			Yes	22/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	21/10/19
6			Yes	24/10/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	PB	22/10/19
7			Yes	25/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	24/10/19
8			Yes	26/10/19	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Y	Yes	Yes	Yes	PB	26/10/19
9			Yes	27/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	27/10/19
10			Yes	28/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	28/10/19
11			Yes	28/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	28/10/19
12			Yes	30/10/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	30/10/19
13			Yes	01/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	31/10/19
14			Yes	02/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	01/11/19
15			Yes	04/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	03/11/19
16			Yes	04/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	03/11/19
17			Yes	05/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	04/11/19
18			Yes	05/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	04/11/19

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
19			Yes	06/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	05/11/19
20			Yes	07/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	07/11/19
21			Yes	07/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	06/11/19
22			Yes	07/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	06/11/19
23			Yes	08/11/19	Yes	Yes	Yes	Yes	Yes	31/01/20		Y	Yes	Yes	Yes	PB	07/11/19
24			Yes	08/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	07/11/19
25			Yes	09/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	08/11/19
26			Yes	10/11/19	Yes	Yes	Yes	Yes	Yes	31/10/20	Yes	Y	Yes	Yes	Yes	PB	09/11/19
27			Yes	10/11/19	Yes	Yes	Yes	Yes	Yes	31/10/20	Yes	Y	Yes	Yes	Yes	PB	09/11/19
28			Yes	12/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	11/11/19
29			Yes	12/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	11/11/19
30			Yes	12/11/19	Yes	Yes	Yes	Yes	Yes	31/12/19	Yes	Y	Yes	Yes	Yes	PB	11/11/19

*EL – Electronic, **PB** – Printed and Bound, **PU** – Printed and Unbound, **UB** – Unprinted and Bound, **UU** – Unprinted and Unbound

Comments:

Table 9 **Comments on LSPLV checks**

No	Comments
4	<p>The markings on the starboard bow of the LSPLV were partially obscured by algal growth and not visible at a distance.</p> <p>Figure 3 Markings of the LSPLV</p>
6	<p>The fishing logbook was completed up to 22/10/2019, but not for 23/10/2019. A PNC was issued.</p> <p>Figure 4 Last log book page of the</p>
8	<p>The VMS system was fitted with a power switch.</p> <p>Figure 5 VMS system and associated switch fitted on board the</p>
10	<p>The VMS system was fitted with a power switch.</p> <p>Figure 6 VMS system and associated switch fitted on board the</p>
23	<p>The area where the vessel was permitted to fish was indicated on the ATF as "25/30/50". The observer was uncertain as to what area this indicated and decided to specify the authorised fishing area as "Unknown".</p> <p>Figure 7 ATF of the xxx</p>
25	<p>Part of the call sign displayed on the starboard side of the LSPLV was obscured by algal growth. After the observer showed the captain of the LSPLV a photograph by means of informing him of the problem, the captain indicated that he understood and undertook to remove the algal growth. A PNC was issued.</p> <p>Figure 8 IRCS markings of the</p>

The observer made three (3) Potential Non Compliance (PNC) reports summarised below in Table 10.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
4			1	IIM		
6			2	LND		
25			3	IIM		

Comments:

9 Other Observer Tasks.

9.1 CV waste disposal

The carrier vessel has a well-established system of waste mitigation measures in place. Waste is collected on board using a system of colour coded waste containers. With the exception of appropriately macerated kitchen waste, no other waste was dumped overboard. The vessel also has an incinerator on board.

9.2 Unidentified or IUU vessels

No unidentified or IUU vessels were encountered during this deployment.

9.3 Marine mammals.

One dolphin was noted on 5/11/2019.

Table 11 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
05/11/19	11:45	07°08.68'S	019°06.23'W	<i>Delphinus</i> spp.	1	Tail slapping at the surface

10 Health and Safety on board the CV

The observer did not have any health or safety concerns on board the CV

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Table 12 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		16/10/2019	13°04.077'S	004°03.369'E	Dry cargo, bait and fuel	5 (Whole, bow, side, stern, position)
		17/10/2019	09°59.154'S	007°01.449'E	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		17/10/2019	09°57.868'S	007°01.565'E	Dry cargo and bait	4 (Whole, bow, side, position)
		21/10/2019	01°25.648'S	000°36.308'E	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		27/10/2019	04°39.635'S	004°15.007'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		27/10/2019	04°38.220'S	004°14.135'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		30/10/2019	04°55.567'S	010°05.904'W	Dry cargo	5 (Whole, bow, side, stern, position)
		03/11/2019	04°01.228'S	019°59.115'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		03/11/2019	03°58.910'S	020°01.180'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		03/11/2019	03°56.582'S	020°03.312'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		04/11/2019	05°36.411'S	020°37.634'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		06/11/2019	06°32.532'S	019°01.965'W	Dry cargo and bait	5 (Whole, bow, side, stern, position)
		11/11/2019	06°00.268'S	026°11.774'W	Dry cargo	6 (Whole, bow, side, stern, position)
		13/11/2019	02°29.202'S	023°02.742'W	Dry cargo	5 (Whole, bow, side, stern, position)

Comments:

On 17/10/2019, the observer was unable to photograph the stern of LSPLV xx because the approach was made from an awkward angle. Due to the fact that the LSPLV was tied up far towards the stern of the CV, it was not possible to find a favourable angle in order to photograph the stern of the LSPLV. The observer attempted to photograph the stern of the LSPLV during cast off, but was unable to because the LSPLV moved astern of the CV during cast off.

Table 13 In-port transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		17/11/2019	16°52.893'N	025°00.453'W	In-port transhipment	5 (Whole, bow, side, stern, position)

ICCAT

Observer Report



Trip Number:	240-19
Vessel Name:	Ibuki
ICCAT Ref. No.	AT000PAN00163
Observer Name:	Martin Phillippe Emanuel
Cruise Dates:	From: 26/12/2019 To: 29/02/2020

1 Cruise Summary

In accordance with the bilateral agreement between MRS Corporation and Capricorn Fisheries Monitoring cc, Martin Phillippe Emanuel (ROP no. 194) joined the Panama registered Carrier Vessel (CV) Ibuki (AT000PAN00163) as the ROP observer, monitoring the transshipment of tuna, tuna-like species and other species caught in association with these species in the Atlantic Ocean from 26/12/2020 to 29/02/2020.

The objective of the assignment was to monitor transshipments from Large Scale Pelagic Longline Vessels (LSPLV), the specific tasks for the trip, as outlined by the Commission, were as follows:

- Record and report upon the transshipment activities carried out;
- Verify the position of the vessel when engaged in transshipping;
- Observe and estimate products transhipped;
- Verify and record the name and ICCAT number of the LSPLV concerned;
- Verify the data contained in the transshipment declaration;
- Countersign the transshipment declaration;
- Compile a general trip report collating all the information collected in accordance with the ICCAT Programme requirements and provide the captain with the opportunity to include therein any relevant information.

In addition when weather conditions permitted the observer visited the LSPLV that intended to tranship to the carrier vessel in order to:

- Check the validity of the fishing vessel's authorization or license to fish for tuna and tuna like species and any other species caught in association with those species in the Convention area;
- Inspect the fishing vessel's prior authorisations to tranship at sea from the flag CPC and, if appropriate, the coastal State;
- Check and record the total quantity of catch on board by species and, if possible, by stock, and the quantity to be transferred to the carrier vessel;
- Check that the VMS is functioning and examine the logbook and verify entries, if possible;
- Verify whether any of the catch on board resulted from transfers from other vessels, and check documentation on such transfers;

2 Carrier Vessel details

Vessel name:	Ibuki	Call sign:	3ELC8
Port of registration:	Panama	Flag State:	Panama
Owner:	MRS Corporation	Charterer:	MRS Corporation
Vessel type:	Refrigerated Cargo Carrier	Hold capacity:	284.042 ft ³
Size (GRT):	6558	Length (LOA):	134.2
Vessel monitoring system (present/absent):	Present		
Tuna products already on board (Quantity)	221.889t		

3 Embarking / Disembarking on / from Carrier Vessel

Port of departure	Cape Town, South Africa
Date of embarkation	26/12/2019
Method of embarkation*	Portside
Date of departure	27/12/2020
Date of first transshipment	02/01/2020
Date of last transshipment	20/02/2020
Date of return	29/02/2020
Date of disembarkation	29/02/2020
Method of disembarkation*	Transfer vessel in port
Port of return	Cristobal, Panama

4 Carrier Vessel Activities Summary

4.1 Logistics & Areas of Activity

The carrier vessel made a total of 59 transhipments at sea, the locations are shown in detail in Figure 1 and the numbers received by nationality of the vessel are given in Table 1.

The CV also transhipped Atlantic bluefin tuna (*Thunnus thynnus*) from three Japanese LSPLVs in Mindelo. The carrier vessel was on anchor in the port area and the transhipments were overseen by the port authorities and police.

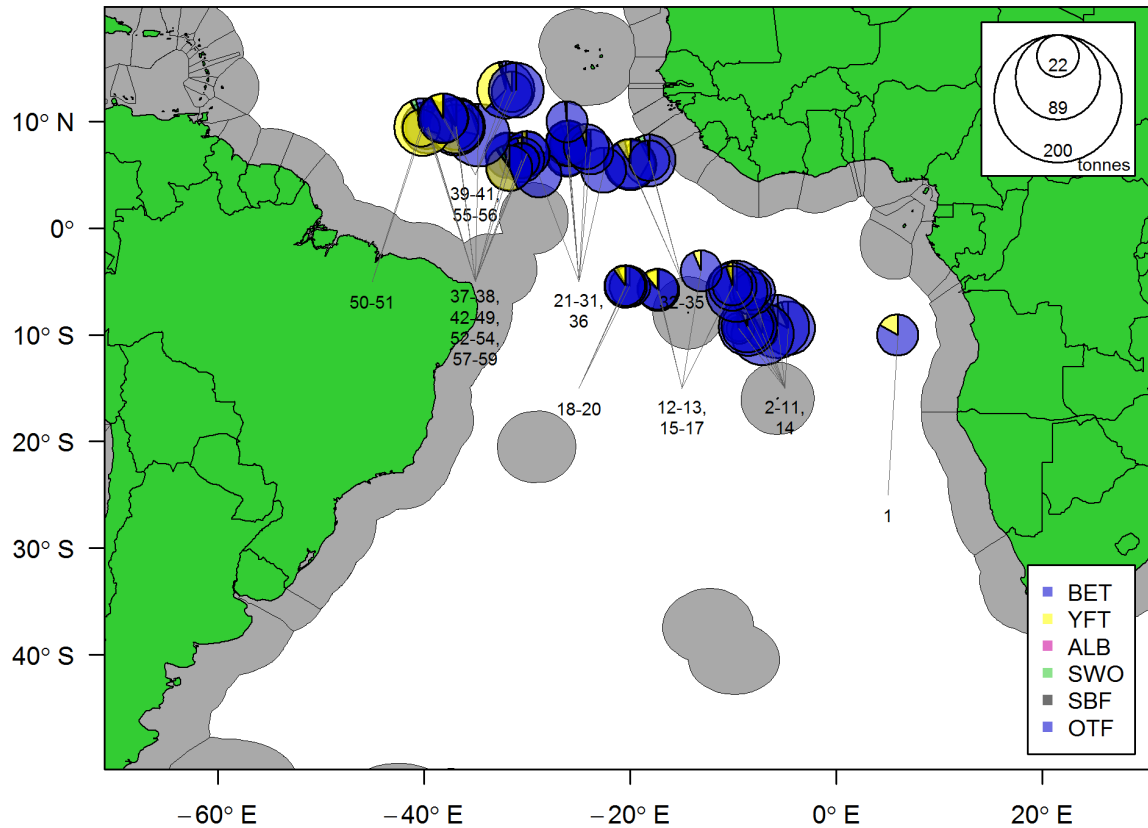


Figure 1 Location of transhipments.

Table 1 Transhipments made by nationality

Nationality	Transhipments made
XXX	12
XXX	30
XXX	14
XXX	1
XXX	2

Comments: Adding to this, the carrier vessel also conducted 23 non-ROP transhipments at sea and 3 transhipments in-port (see Appendix, Table 12). The vessel provided the 23 LSPLVs with food, bait, ship supplies, freon, oil and fuel.

5 Summary of Transhipments Observed.

Table 2 Summary of transhipments.

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
1				Yes	02/01/20	10°01.028 S	005°55.97 E	03:34	100%
2				Yes	05/01/20	09°22.197 S	004°40.274 W	02:55	100%
3				Yes	06/01/20	09°13.01 S	005°42.618 W	02:41	100%
4				Yes	07/01/20	09°51.4 S	007°09.123 W	01:35	100%
5				Yes	07/01/20	09°56.137 S	007°09.775 W	01:45	100%
6				Yes	08/01/20	09°26.558 S	009°28.194 W	02:05	100%
7				Yes	08/01/20	09°22.249 S	009°28.071 W	01:26	100%
8				Yes	09/01/20	09°13.803 S	008°34.998 W	02:44	100%
9				Yes	09/01/20	09°13.076 S	008°37.631 W	01:55	100%
10				Yes	10/01/20	05°57.442 S	008°10.298 W	01:50	100%
11				Yes	10/01/20	05°53.054 S	008°11.907 W	02:31	100%
12				Yes	11/01/20	05°29.003 S	010°04.44 W	02:15	100%
13				Yes	11/01/20	05°23.716 S	010°05.83 W	02:20	100%
14				Yes	12/01/20	05°54.647 S	009°40.335 W	02:11	100%
15				Yes	13/01/20	03°59.756 S	013°07.129 W	01:40	100%
16				Yes	14/01/20	05°49.982 S	017°15.347 W	02:28	100%
17				Yes	14/01/20	05°42.868 S	017°20.149 W	03:31	100%
18				Yes	15/01/20	05°28.394 S	020°02.349 W	02:52	100%
19				Yes	16/01/20	05°27.91 S	020°26.67 W	01:59	100%
20				Yes	16/01/20	05°24.59 S	020°30.315 W	02:17	100%
21				Yes	19/01/20	06°54.999 N	026°02.529 W	02:20	100%
22				Yes	19/01/20	06°49.564 N	026°07.007 W	02:21	100%

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transshipment time	% Observed
23				Yes	20/01/20	08°00.218 N	025°57.262 W	01:54	100%
24				Yes	20/01/20	07°54.3 N	025°58.549 W	02:03	100%
25				Yes	20/01/20	07°49.832 N	026°00.04 W	01:03	100%
26				Yes	21/01/20	07°55.671 N	025°58.755 W	01:21	100%
27				Yes	22/01/20	07°58.834 N	025°59.858 W	02:18	100%
28				Yes	23/01/20	05°26.019 N	022°34.396 W	02:08	100%
29				Yes	24/01/20	07°08.569 N	023°49.817 W	04:15	100%
30				Yes	25/01/20	07°38.304 N	024°15.653 W	03:29	100%
31				Yes	26/01/20	09°58.139 N	026°08.139 W	02:56	100%
32				Yes	02/02/20	06°19.749 N	018°08.727 W	02:57	100%
33				Yes	02/02/20	06°20.654 N	018°06.616 W	03:11	100%
34				Yes	03/02/20	05°59.259 N	019°58.728 W	01:30	100%
35				Yes	03/02/20	05°57.545 N	019°58.319 W	03:04	100%
36				Yes	05/02/20	04°59.989 N	028°51.329 W	02:07	100%
37				Yes	06/02/20	06°52.141 N	031°50.133 W	03:36	100%
38				Yes	06/02/20	06°48.321 N	031°49.992 W	03:01	100%
39				Yes	08/02/20	12°57.468 N	032°04.279 W	06:38	100%
40				Yes	09/02/20	12°55.391 N	031°03.447 W	04:53	100%
41				Yes	09/02/20	12°46.45 N	031°28.66 W	04:50	100%
42				Yes	12/02/20	06°57.683 N	030°01.594 W	00:56	100%
43				Yes	12/02/20	06°56.498 N	030°02.185 W	03:46	100%
44				Yes	13/02/20	06°24.244 N	030°30.42 W	01:10	100%
45				Yes	13/02/20	06°21.992 N	030°30.607 W	01:45	100%
46				Yes	13/02/20	06°18.722 N	030°31.263 W	02:34	100%
47				Yes	14/02/20	05°39.691 N	031°41.87 W	02:38	100%
48				Yes	14/02/20	05°37.925 N	031°43.714 W	01:44	100%
49				Yes	15/02/20	08°42.75 N	034°43.762 W	01:15	100%

No	Name	RFMO No	Flag	Inspected	Date	Latitude	Longitude	Transhipment time	% Observed
50				Yes	17/02/20	09°28.728 N	040°04.87 W	05:05	100%
51				Yes	17/02/20	09°22.912 N	040°16.381 W	02:55	100%
52				Yes	18/02/20	09°27.75 N	039°35.446 W	02:13	100%
53				Yes	18/02/20	09°25.99 N	039°39.589 W	01:50	100%
54				Yes	18/02/20	09°22.4911 N	039°46.653 W	01:33	100%
55				Yes	19/02/20	10°20.0264 N	038°03.216 W	02:02	100%
56				Yes	19/02/20	10°17.346 N	038°09.658 W	02:24	100%
57				Yes	20/02/20	09°31.792 N	036°51.475 W	01:46	100%
58				Yes	20/02/20	09°30.448 N	036°53.334 W	02:24	100%
59				Yes	20/02/20	09°27.2695 N	036°55.353 W	01:52	100%

Comments:

All transhipments listed in Table 2 were observed for the full duration. The transhipment from XXX had the longest duration at 5:05 while the shortest duration for a transhipment was 00:56, from XXX. There was a noticeable difference in the duration of a transhipment depending on the country of origin of the LSPLV crew members. The crew on-board the Ibuki understood English well and their cooperation helped streamline the transhipment process.

Table 3 Summary of vessel / observer estimated figures (Kg)

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
1	38.057	38.427	22.612	22.547	2.49	2.476	2.399	2.398	65.558	65.848	0.29	0.44%
2	55.699	55.699	2.146	2.146	0	0	0	0	57.845	57.845	0.00	0.00%
3	58.753	59	6.073	6	0	0	0	0	64.826	65	0.17	0.27%
4	40.767	39.84	0.455	0.455	0	0	0	0	41.222	40.295	-0.93	-2.30%
5	43.891	41.702	1.65	1.456	0	0	0	0	45.541	43.158	-2.38	-5.52%
6	45.378	44.763	0.58	0.479	0	0	0	0	45.958	45.242	-0.72	-1.58%
7	31.131	31.305	0.735	0.665	0	0	0	0	31.866	31.97	0.10	0.33%
8	47.47	47	2.25	3	0	0	0	0	49.72	50	0.28	0.56%

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
9	34.596	34.417	0.508	0.572	0	0	0	0	35.104	34.989	-0.11	-0.33%
10	49.839	50.183	0	0	0	0	0	0	49.839	50.183	0.34	0.69%
11	49.72	50	0	0	0	0	0	0	49.72	50	0.28	0.56%
12	50.07	50.07	0	0	0	0	0	0	50.07	50.07	0.00	0.00%
13	49.794	50	0	0	0	0	0	0	49.794	50	0.21	0.41%
14	46.795	47.271	2.989	2.729	0	0	0	0	49.784	50	0.22	0.43%
15	40.522	40.737	0.425	0.566	0	0	0	0	40.947	41.303	0.36	0.86%
16	49.893	50	0	0	0	0	0	0	49.893	50	0.11	0.21%
17	50.509	50.05	0	0	0	0	0	0	50.509	50.05	-0.46	-0.92%
18	50.181	50.075	0	0	0	0	0	0	50.181	50.075	-0.11	-0.21%
19	42.838	43.016	1.854	1.854	0	0	0	0	44.692	44.87	0.18	0.40%
20	63.589	62.676	2.487	2.882	0	0	0	0	66.076	65.558	-0.52	-0.79%
21	42.776	42	0.877	0.95	0	0	0	0	43.653	42.95	-0.70	-1.64%
22	51.085	50.55	0.626	0.835	0	0	0	0	51.711	51.385	-0.33	-0.63%
23	48.453	48.773	1.882	1.952	0	0	0	0	50.335	50.725	0.39	0.77%
24	47.988	48.047	1.381	1.56	0	0	0	0	49.369	49.607	0.24	0.48%
25	30.012	29.889	0	0	0	0	0	0	30.012	29.889	-0.12	-0.41%
26	30.2	30	0	0	0	0	0	0	30.2	30	-0.20	-0.67%
27	47.867	47.982	1.994	1.956	0	0	0	0	49.861	49.938	0.08	0.15%
28	22.753	22.856	23.815	24.058	1.912	2.032	2.733	2.649	51.213	51.595	0.38	0.74%
29	76.574	76.436	16.154	15.67	1.364	1.284	3.537	3.552	97.629	96.942	-0.69	-0.71%
30	65.698	66.787	7.518	6.75	3.703	4.501	2.779	2.696	79.698	80.734	1.04	1.28%
31	50.345	50.345	0	0	0	0	0	0	50.345	50.345	0.00	0.00%
32	33.006	34.64	26.904	26.774	1.857	1.681	5.523	5.388	67.29	68.483	1.19	1.74%
33	30.965	28.189	45.07	47.663	2.294	2.387	3.631	3.462	81.96	81.701	-0.26	-0.32%
34	10.512	10.306	21.961	22.767	0.816	0.816	0.295	0.295	33.584	34.184	0.60	1.76%
35	51.995	50.556	24.395	26.777	1.233	1.196	1.89	1.908	79.513	80.437	0.92	1.15%
36	40.355	38.124	2.308	2.308	0	0	0	0	42.663	40.432	-2.23	-5.52%
37	50.841	52.253	6.207	5.868	0	0	0	0	57.048	58.121	1.07	1.85%
38	57.981	55.746	4.608	5.004	0	0	0	0	62.589	60.75	-1.84	-3.03%
39	74.41	74.589	0	0	0	0	0	0	74.41	74.589	0.18	0.24%
40	58.282	59.097	6.682	6.564	1.728	1.694	2.808	2.882	69.5	70.237	0.74	1.05%
41	80.147	86.982	4.789	3.912	3.467	2.759	3.998	4.056	92.401	97.709	5.31	5.43%

No	Bigeye		Yellowfin		Swordfish		Other		Total		Difference	
	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Observed	Vessel	Weight	%
42	19.788	19.689	0.854	0.854	0	0	0	0	20.642	20.543	-0.10	-0.48%
43	87.568	88.25	6.942	7.02	0	0	0	0	94.51	95.27	0.76	0.80%
44	14.966	14.966	0.475	0.475	0	0	0	0	15.441	15.441	0.00	0.00%
45	23.446	23.446	0.468	0.429	0	0	0	0	23.914	23.875	-0.04	-0.16%
46	76.617	76.127	7.905	7.683	0	0	0	0	84.522	83.81	-0.71	-0.85%
47	62.5	62.5	4.188	4.188	0	0	0	0	66.688	66.688	0.00	0.00%
48	50	50	2.064	2.064	0	0	0	0	52.064	52.064	0.00	0.00%
49	34.6	34.6	1.4	1.4	0	0	0	0	36	36	0.00	0.00%
50	86.359	88.181	3.993	4.169	0	0	0	0	90.352	92.35	2.00	2.16%
51	55.435	54.816	2.107	2.064	0	0	0	0	57.542	56.88	-0.66	-1.16%
52	36.859	36.521	2.134	2.063	0	0	0	0	38.993	38.584	-0.41	-1.06%
53	38.061	38.692	2.477	2.64	0	0	0	0	40.538	41.332	0.79	1.92%
54	37.314	36.237	6.325	5.788	0	0	0	0	43.639	42.025	-1.61	-3.84%
55	36.876	36.24	4.341	4.478	0	0	0	0	41.217	40.718	-0.50	-1.23%
56	36.273	35.4	5.069	5.415	0	0	0	0	41.342	40.815	-0.53	-1.29%
57	41.151	41.475	2.864	2.958	0	0	0	0	44.015	44.433	0.42	0.94%
58	36.95	35.984	3.164	3.828	0	0	0	0	40.114	39.812	-0.30	-0.76%
59	34.42	34.598	6.769	6.944	0	0	0	0	41.189	41.542	0.35	0.85%

Comments:

The overall difference between observed and declared weights were relatively small as reflected in Table 3, identifying and counting individual species in large mixed strings seemed to be much easier than anticipated. The assistance of carrier vessel crew in some instances did prove useful.

Species which were included under the column "Other" for the vessel included in descending order:

- Atlantic blue marlin *Makaira nigricans*
- Albacore *Thunnus alalunga*
- Narrow-barred Spanish mackerel *Scomberomorus commerson*
- Other fish unspecified
- Striped marlin *Tetrapturus audax*
- Opah *Lampris guttatus*
- Indo-Pacific sailfish *Istiophorus platypterus*
- Shortbill spearfish *Tetrapturus angustirostris*

Species which were included under the column "Other" for the observer estimate included in descending order:

Atlantic blue marlin	<i>Makaira nigricans</i>
Albacore	<i>Thunnus alalunga</i>
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>
Striped marlin	<i>Tetrapturus audax</i>
Opah	<i>Lampris guttatus</i>
Shortbill spearfish	<i>Tetrapturus angustirostris</i>

Species which were included under the column "Other" for the observer included in descending order:

Atlantic blue marlin	<i>Makaira nigricans</i>
Albacore	<i>Thunnus alalunga</i>
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>
Striped marlin	<i>Tetrapturus audax</i>
Opah	<i>Lampris guttatus</i>
Shortbill spearfish	<i>Tetrapturus angustirostris</i>

6 Species and weight transferred

The vessel contained 221.889 tons of tuna products when the observer boarded. The total declared weight of all species transferred during the trip is shown in **¡Error! No se encuentra el origen de la referencia.**, a breakdown by transshipment is shown in **¡Error! No se encuentra el origen de la referencia.**

A total of 3109,391 t of tuna and tuna-like species was transhipped at-sea during the cruise. A further 345.2741t was collected from 3 Japan flagged LSPLVs while in port Mindelo, Cabo Verde.

Table 4 Total weight of fish transhipped by species

Common Name	Scientific Name	Stock ID	Observed weight (t)	Observed Percentage	Declared weight (t)	Declared Percentage
Albacore	<i>Thunnus alalunga</i>	Unk	7.83	0.25%	7.53	0.24%
Atlantic blue marlin	<i>Makaira nigricans</i>	Unk	19.51	0.63%	19.51	0.63%
Bigeye tuna	<i>Thunnus obesus</i>	All	0.00	0.00%	1663.75	53.51%
Bigeye tuna	<i>Thunnus obesus</i>	Unk	2750.92	88.54%	1084.35	34.87%
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	Unk	0.15	0.00%	0.10	0.00%
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	Unk	1.74	0.06%	1.39	0.04%
Opah	<i>Lampris guttatus</i>	Unk	0.13	0.00%	0.12	0.00%
Other fish Unclassified	N/A	Unk	0.00	0.00%	0.41	0.01%
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	Unk	0.10	0.00%	0.09	0.00%
Striped marlin	<i>Tetrapturus audax</i>	Unk	0.14	0.00%	0.14	0.00%
Swordfish	<i>Xiphias gladius</i>	Unk	20.86	0.67%	20.83	0.67%
Yellowfin tuna	<i>Thunnus albacares</i>	All	0.00	0.00%	83.02	2.67%
Yellowfin tuna	<i>Thunnus albacares</i>	Unk	305.47	9.83%	228.16	7.34%

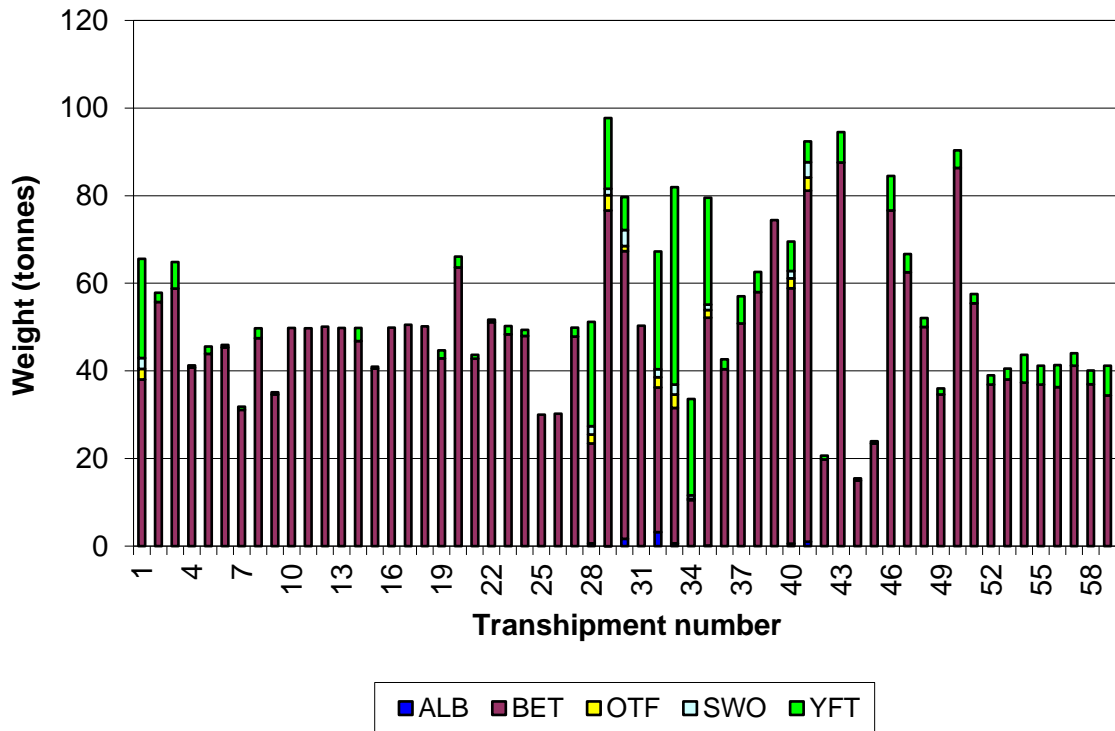


Figure 2 Proportions, by weight, of fish species transferred by transshipment.

Table 5 Average weight of fish transhipped by species (kg)

Common Name	Scientific name	Average weight
Albacore	<i>Thunnus alalunga</i>	18.96
Atlantic blue marlin	<i>Makaira nigricans</i>	93.33
Bigeye tuna	<i>Thunnus obesus</i>	49.02
Indo-Pacific sailfish	<i>Istiophorus platypterus</i>	9.80
Narrow-barred Spanish mackerel	<i>Scomberomorus commerson</i>	9.84
Opah	<i>Lampris guttatus</i>	12.09
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	9.90
Striped marlin	<i>Tetrapturus audax</i>	16.88
Swordfish	<i>Xiphias gladius</i>	39.89
Yellowfin tuna	<i>Thunnus albacares</i>	41.65

Comments:

Of the ten species transhipped during this cruise, two species contributed to 98.39% of fish by weight transhipped during the cruise. These were, bigeye tuna (*Thunnus obesus*) which contributed 88.38% or 2748.10 t and yellowfin tuna (*Thunnus albacares*) which contributed 10.01% or 311.18t (Table 4). The average weight of the two species were 49.02kg and 41.65kg respectively (Table 5). The eight other species accounted for a meagre 1.61% of the total weight transhipped (see Table 4, 5 and Figure 2).

The main product types transhipped were gilled and gutted (GG), dressed/headed (DR), filleted (FL) and whole (RD). Only *T. alalunga* was transhipped whole. All other tuna species as well as the striped marlin (*Tetrapturus audax*) were gilled and gutted. Swordfish (*Xiphias gladius*) was the only species partially transhipped headed or as a fillet. All other species listed in Table 4 were headed.

The observer was able to identify species from past knowledge and from the helpful assistance and cooperation of the CV crew. As a method of confirming observer estimates, the winch operator separately estimated string weights and species numbers on very large and mixed strings. This tool was helpful in ensuring that the counts were reasonably accurate. The CV did not make use of a hook scale.

It was fortunate and advantageous that the observer had helpful and cooperative crew members onboard the CV. Such working conditions proved beneficial to all parties involved.

7 Southern bluefin tuna transhipments

Table 6 Summary of southern bluefin tuna transhipments

No	Vessel name	ICCAT No	Flag	Checked	Date	Lat	Lon	Transhipment time	% Observed
N/A									

Table 7 Summary of southern bluefin catch documentation

No	CCSBT Statistical Area	No Fish (SBF)	Weight of Fish (SBF)	Catch Monitoring Form Number	Tag series number (from – to)
N/A					

Comments:

No southern bluefin tuna (*Thunnus maccoyii*) was transhipped during this deployment.

8 LSPLV Checks

Inspections were carried out by the observer on the following vessels

Table 8 Summary of boarding reports from LSPLVs.

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook			
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry	
1			Yes	02/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	02/01/20
2			Yes	05/01/20	Yes	Yes	Yes	Yes	Yes	Yes	27/11/20	Yes	Yes	Yes	Yes	Yes	PB	05/01/20
3			Yes	06/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	05/01/20
4			Yes	07/01/20	Yes	Yes	Yes	Yes	Yes	Yes	06/07/20	Yes	Yes	Yes	Yes	Yes	PB	06/01/20
5			Yes	07/01/20	Yes	Yes	Yes	Yes	Yes	Yes	09/11/20	Yes	Yes	Yes	Yes	Yes	PB	06/01/20
6			Yes	08/01/20	Yes	Yes	Yes	Yes	Yes	Yes	07/08/20	Yes	Yes	Yes	Yes	Yes	PB	07/01/20
7			Yes	08/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	07/01/20
8			Yes	09/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	08/01/20
9			Yes	09/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	08/01/20
10			Yes	10/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	10/01/20
11			Yes	10/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	10/01/20
12			Yes	11/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	10/01/20
13			Yes	11/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	10/01/20
14			Yes	12/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	12/01/20
15			Yes	13/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PU	13/01/20
16			Yes	14/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	13/01/20
17			Yes	14/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	13/01/20
18			Yes	15/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	15/01/20
19			Yes	16/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	16/01/20
20			Yes	16/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	16/01/20
21			Yes	19/01/20	Yes	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	19/01/20

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
22			Yes	19/01/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	19/01/20
23			Yes	20/01/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	19/01/20
24			Yes	20/01/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	20/01/20
25			Yes	20/01/20	Yes	Yes	Yes	Yes	Yes	31/03/99	Yes	Yes	Yes	Yes	Yes	PB	19/01/20
26			Yes	21/01/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	20/01/20
27			Yes	22/01/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	21/01/20
28			Yes	23/01/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	22/01/20
29			Yes	24/01/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	24/01/20
30			Yes	25/01/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	PB	25/01/20
31			Yes	26/01/20	Yes	Yes	Yes	Yes	Yes	31/01/20	Yes	Yes	Yes	Yes	Yes	PB	25/01/20
32			Yes	02/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	02/01/20
33			Yes	02/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	02/02/20
34			Yes	03/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	02/02/20
35			Yes	03/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	02/02/20
36			Yes	05/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	04/02/20
37			Yes	06/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	05/02/20
38			Yes	06/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	05/02/20
39			Yes	08/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	07/02/20
40			Yes	09/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	08/02/20
41			Yes	09/02/20	Yes	Yes	Yes	Yes	Yes	31/07/22	Yes	Yes	Yes	Yes	Yes	EL	08/02/20
42			Yes	12/02/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	12/02/20
43			Yes	12/02/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	11/02/20
44			Yes	13/02/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	12/02/20
45			Yes	13/02/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	12/02/20
46			Yes	13/02/20	Yes	Yes	Yes	Yes	Yes	31/12/20	Yes	Yes	Yes	Yes	Yes	PB	12/02/20
47			Yes	14/02/20	Yes	Yes	Yes	Yes	Yes	03/03/20	Yes	Yes	Yes	Yes	Yes	PB	14/02/20

No	Name	Flag	Boarded	Date	Markings correct			Authorisation to Fish / Tranship					VMS		Logbook		
					Name	IRCS	Reg. No.	ATF	In Date	Expires	In ICCAT	ATT	Shown	Power	Shown	Type	Last entry
48			Yes	14/02/20	Yes	Yes	Yes	Yes	Yes	14/07/20	Yes	Yes	Yes	Yes	Yes	PB	13/02/20
49			Yes	15/02/20	Yes	Yes	Yes	Yes	Yes	28/03/20	Yes	Yes	Yes	Yes	Yes	PB	14/02/20
50			Yes	17/02/20	Yes	Yes	Yes	Yes	Yes	31/10/20	Yes	Yes	Yes	Yes	Yes	PB	16/02/20
51			Yes	17/02/20	Yes	Yes	Yes	Yes	Yes	31/10/20	Yes	Yes	Yes	Yes	Yes	PB	16/02/20
52			Yes	18/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	17/02/20
53			Yes	18/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	17/02/20
54			Yes	18/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	17/02/20
55			Yes	19/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	18/02/20
56			Yes	19/02/20	Yes	Yes	No	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	18/02/20
57			Yes	20/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	19/02/20
58			Yes	20/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	19/02/20
59			Yes	20/02/20	Yes	Yes	Yes	Yes	Yes	31/03/20	Yes	Yes	Yes	Yes	Yes	PB	20/02/20

*EL – Electronic, PB – Printed and Bound, PU – Printed and Unbound, UB – Unprinted and Bound, UU – Unprinted and Unbound

Comments: Markings correct – Name and IRCS: Yes: marked correctly; No: markings not the same as on the ICCAT list; UNC: Markings not clear and not legible.

Table 9 Comments on LSPLV checks

No	Comments
30	The ARGOS MARVE V2 VMS unit on board was switched off at the time of the on-board check. The vessel was fitted with an Inmarsat C system which the captain indicated was the active VMS system.
37	The page numbers of the logbooks were not completed. Figure 3 Logbook viewed on board the XXX
53	The bow vessel name markings were partially worn and not legible. The stern markings were clear. Figure 4 Bow markings of the XXX

The observer made no Potential Non Compliance (PNC) during cruise no. 240-19.

Table 10 PNC reports made

No	Vessel	ICCAT No.	PNC Ref.	PNC 1	PNC 2	PNC 3
N/A						

9 Other Observer Tasks.

9.1 CV waste disposal

The Ibuki complied with shipping regulations regarding waste disposal. Food waste was thrown overboard daily. This was ground to smaller than 25mm as per the recommended guidelines. All waste disposal at sea was recorded and signed by the CV Master. No waste was thrown overboard when the CV was not at least 12nm from land. Waste was also divided into four categories on the carrier vessel and was stored accordingly. The CV retained all waste apart from food waste on board for disposal in port.

(See Appendix for images pertaining to waste disposal protocol and an example of record keeping for garbage disposal at sea, Figure 5)

9.2 Unidentified or IUU vessels

No unidentified or IUU vessels were spotted during the duration of the cruise.

9.3 Marine mammals.

Marine mammals were spotted on three occasions for the duration of the cruise. Two large pods of bottlenose dolphins and a pair of humpback whales were spotted (Table 11). The humpback whales were spotted while anchored in Mindelo (Figure 4). The first pods of dolphins was spotted en-route to Mindelo, Cabo Verde (Figure 5) while the second pod was spotted during transshipment no.54.

Table 11 Marine mammal sightings

Date	Time	Lat	Lon	Species	Abundance	Behaviour
27/01/20	14:25	14° 24.786' N	25° 34.914' W	Dolphin unidentified	± 200	Playing, Breaching
29/01/20	10:36	16° 53.438' N	25° 00.304' W	Humpback Whale <i>Megaptera novaeangliae</i>	2	Breaching
18/01/20	17:05	9° 21.324' N	39° 48.906' W	Dolphin unidentified	± 100	Playing, Breaching

(See Appendix for images, Figure 6 and Figure 7)

10 Health and Safety on board the CV

There were no health and safety concerns on board MV IBUKI. The ship was compliant in all regards. The Captain and crew ensured that the safety standards were always met. All crew wore the appropriate PPE when performing their duties. The ship was always meticulously well kept. No issues regarding health and safety occurred for the duration of the cruise.

11 Submitting Report to the Master

Was the draft observer report submitted to the master upon disembarkation from the vessel?

Yes	No
X	

Appendix:

Table 12 Non ROP Transhipments

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		31/12/2019	19° 28.246' S	8° 39.248' E	Food, bait, ship supplies, freon, oil and fuel.	Yes
		02/01/2020	10° 00.269' S	5° 55.856' E	Food, bait, ship supplies, freon, oil and fuel.	Yes
		04/01/2020	11° 16.332' S	0° 34.445' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		06/01/2020	9° 10.434' S	5° 44.143' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		15/01/2020	5° 26.075' S	20° 05.165' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		19/01/2020	6° 47.158' N	26° 09.022' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		21/01/2020	7° 46.035' N	26° 00.994' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		21/01/2020	7° 46.035' N	26° 00.994' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		23/01/2020	5° 27.861' N	22° 37.269' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		23/01/2020	5° 27.861' N	22° 37.269' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		24/01/2020	7° 05.738' N	23° 50.512' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		24/01/2020	7° 05.738' N	23° 50.512' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		29/01/2020	16° 53.438' N	, 25° 00.304' W	Transhipment in-port, Mindelo.	Yes
		30/01/2020	16° 53.438' N	25° 00.304' W	Transhipment in-port, Mindelo.	No
		30/01/2020	16° 53.438' N	25° 00.304' W	Transhipment in-port, Mindelo.	No
		05/02/2020	4° 56.991' N	28° 53.698' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		08/02/2020	12° 52.208' N	32° 12.583' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		08/02/2020	12° 52.208' N	32° 12.583' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		09/02/2020	12° 35.252' N	31° 51.844' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		11/02/2020	6° 57.538' N	32° 04.649' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		11/02/2020	6° 57.538' N	32° 04.649' W	Food, bait, ship supplies, freon, oil and fuel.	Yes

Vessel	RFMO Number	Date	Lat	Lon	Comments	Photo
		11/02/2020	6° 57.538' N	32° 04.649' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		12/02/2020	6° 54.701' N	30° 02.691' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		16/02/2020	8° 35.223' N	39° 38.731' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		16/02/2020	8° 35.223' N	39° 38.731' W	Food, bait, ship supplies, freon, oil and fuel.	Yes
		16/02/2020	8° 35.223' N	39° 38.731' W	Food, bait, ship supplies, freon, oil and fuel.	Yes

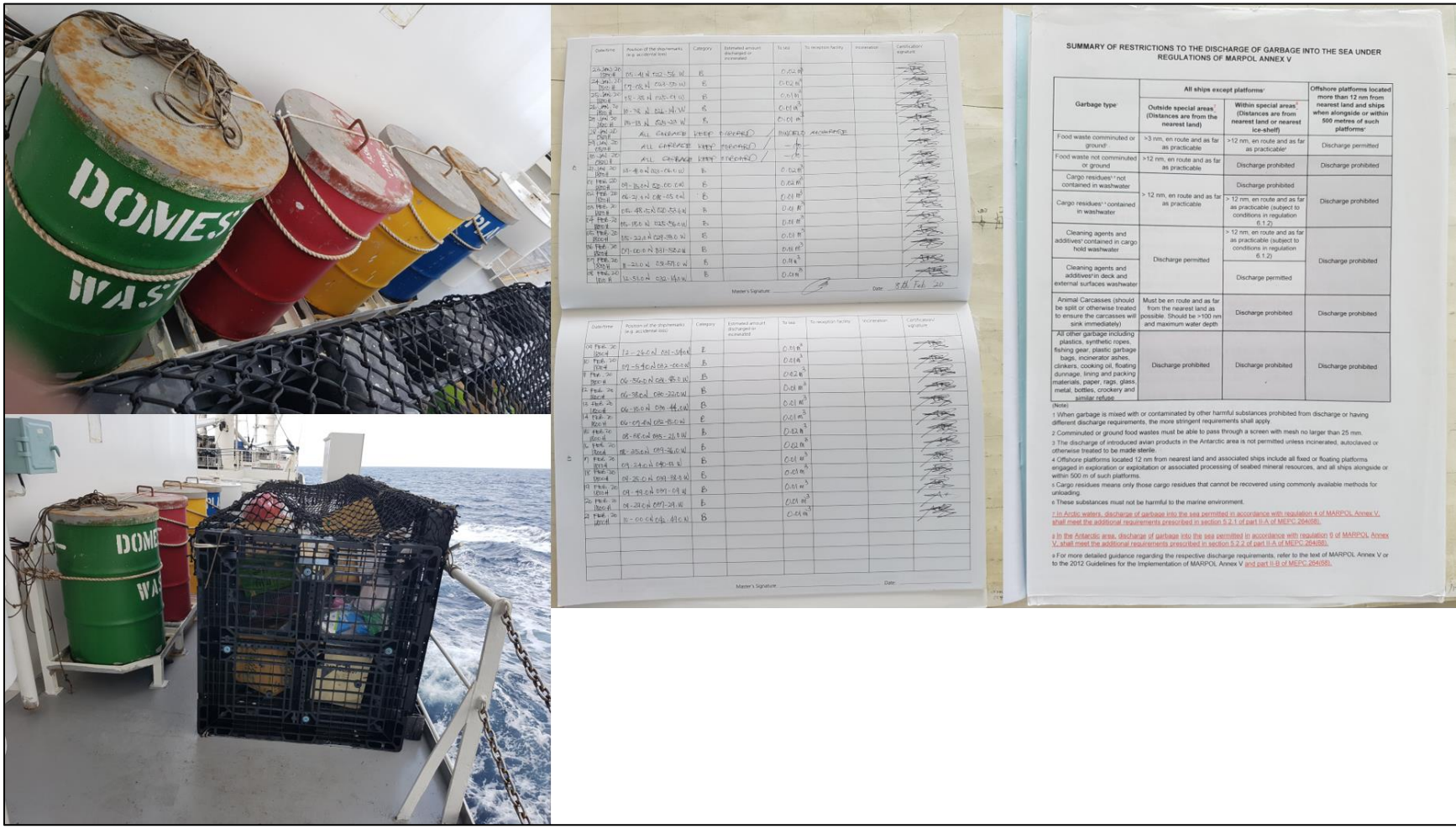


Figure 5 Waste disposal and record keeping system on board MV IBUKI.



Figure 6 Humpback whale sighted in Mindelo, Cabo Verde.



Figure 7 Dolphin pods sighted en-route from Cape Town, South Africa to Cristobal, Panama.