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**ANNUAL REPORT TO THE COMMISSION
PART 1: INFORMATION ON FISHERIES, RESEARCH, AND STATISTICS**

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CHINA

Annual Report to the Commission

Part 1: Information on Fisheries, Research and Statistics

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Scientific data was provided to the Commission in accordance with the decision relating to the provision of scientific data to the Commission by 30 April 2019	YES
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Summary

There are two types of tuna fisheries in the WCPFC Convention Areas: longline and purse seine fisheries. In 2019, 364 longliners and 15 purse seiners operated in the WCPFC Convention Areas. The total catch of tuna and tuna-like species by longline fishery and purse seine fishery was estimated to be 44,293 MT and 1,973 MT, respectively. The catch of bigeye tuna, yellowfin tuna, and albacore by the longline fishery was 8,695 MT, 9,031MT and 21,295 MT, respectively. The catch of skipjack, yellowfin tuna and bigeye tuna by the purse seine fishery were estimated 1,775 MT, 172 MT and 26 MT, respectively. Catch by Chinese deep-frozen longline fishery for bigeye is exported to Japan for sashimi and catch by fresh-tuna longline for albacore is sold for cannery products. Catch by the purse seine fishery for skipjack is also sold for cannery products. From December 2017 to December 2018, twenty-two (22) scientific observers were trained and dispatched to the Chinese longline vessels in the Pacific Ocean. Fisheries and biological data were collected during the observer trips. Data coverage for catch and effort was 100%. The logbook coverage for the longline fishery has been improved, which greatly improves the quality of the data China has collected.

1. Introduction

China began to develop its oceanic tuna fisheries in 1988 in the Pacific Ocean and this region is one of the earliest fishing grounds for China tuna fishery. There are currently two types of tuna fisheries in the WCPFC Convention area: longline (LL) fishery and purse seine (PS) fishery. The catch of four main tuna species (skipjack, yellowfin tuna, bigeye tuna and albacore) by China in 2004 was 40,165 MT. Catch of the four species hit a historical record of 112,260 MT in 2009, but decreased to 81,938 MT in 2010. It should be noted that above-mentioned catch does not include the catch from overlapping areas (S04- S40, W130-W150). Catch of the four species was 91,302 MT

in 2012 (including the catch from overlapping areas), which sharply decreased comparing to 2011. In 2018, the catch of the four species rebounded to **40,994** MT in the WCPFC Convention Areas.

2. Fleet structure

2.1 LL

All the Chinese LL vessels operated on the high seas and EEZs of Pacific Islands Countries (PIC). The number of LL fishing vessels has shown an increase trend since 2000. Table 1 shows the number of Chinese LL vessels operating in the WCPFC Convention Area in 2014-2018. The number of LL vessels in 2014 was 353, 448 in 2015, 418 in 2016 and 362 in 2017. In 2018, the number of LL vessels was 364.

Size of the LL vessels ranged from 67 GT to 742 GT. There are two types of tuna longline vessels, ice fresh tuna longline (IFLL), including those targeting albacore, and deep frozen tuna longline (DFLL). The number of IFLL and DFLL vessel was 272 and 107, respectively in 2013; 245 and 108, respectively in 2014; 357 and 91, respectively in 2015; 321 and 97, respectively in 2016; 277 and 85, respectively in 2017; and 279 and 85, respectively in 2018. For the 279 IFLL vessels, 25 were targeting BET and the rest targeting ALB.

Most of the DFLL vessels targeted bigeye tuna on the high seas and the EEZs of PIC. The IFLL vessels mainly operated in the EEZs of PIC, especially of Solomon Islands, Marshall Islands etc., and on the high seas, targeting bigeye tuna and albacore.

2.2 PS

Chinese fleet entered the WCPFC tropical purse seine fishery in 2001, and it has become very important for the China tuna fishery. The number of PS vessels maintained in a steady level of 12-14 during 2009-2013. Several old purse seine vessels have been replaced by newly built vessels in the recent years. In 2018 there are 15 purse seiners flagged China fishing in the WCPFC Convention area. Table 1 shows the number of Chinese PS vessels operating in the WCPFC Convention area in 2014-2018.

3. Catch by species and fishery

3.1 LL

The total catch by Chinese LL in the WCPFC Convention area from 2014 to 2018 is shown in Table 2. The total catch of tuna and tuna-like species in the longline fishery was 44,293 MT in 2018. The catch mainly consists of ALB, BET and YFT. In 2018, the percentages of ALB, BET and YFT by LL were 48.0%, 19.6% and 20.3%,

respectively.

Table 3 shows the catch of non-target species caught by Chinese LL in the WCPFC Convention Area from 2014 to 2018, mainly including three billfishes species (striped marlin, blue marlin, and black marlin) and two shark species (blue shark and shortfin mako).

3.2 PS

The total catch by Chinese PS in the WCPFC Convention area from 2014 to 2018 was shown in Table 2. The catch was 53,716 MT in 2010, increased to 77,551 MT in 2011, then sharply decreased to 49,148 MT in 2012. In 2018, the main catch species by the PS fishery were skipjack, yellowfin, and bigeye tuna. The catch of bigeye tuna (mainly juveniles) was estimated to 26 MT. The catch of yellowfin tuna was estimated to 172 MT. The catch of skipjack was estimated to 1,775 MT. The catch for the Chinese purse seine fleet are excluded those from the chartered vessels during the chartered period. The total catch of Chinese PS fleets in 2018 (1,973 MT) decreased dramatically by 87.3% compared to the catch in 2017 (15,475 MT). The main cause for the sharp decrease in catch of Chinese purse seine fleets was that fourteen of the fifteen purse seiners flagged China were chartered to Pacific Islands countries in 2018. The chartering CCMs are responsible for reporting the catches for the fourteen fishing vessels.

4. Disposal of Catch

Bigeye tuna and yellowfin tuna caught by longline vessels operating in the Exclusive Economic Zone (EEZ) of Pacific Island Countries and on the high seas were exported to Japan sashimi market. Other species caught as by-catch are sold to local market of operating ports. Albacore catch was landed at Fiji for cannery. Catch in the PS fishery was mostly transhipped to Thailand for cannery as well.

5. Research and Statistics

5.1 Observer programme

In order to have a high standard of scientific observer program, scientific observers are rigorously trained for collecting the fishery data of tunas and other pelagic fish stocks, including size-frequency data of all pelagic fishes as well as sea turtle information. Six (6) observers were sent to the Chinese longline vessels on the high seas in 2011, and then eight (8) observers in 2012, nine (9) observers in 2013, six (6) in 2014, eight (8) in 2015, fifteen (15) in 2016, and twenty-seven (27) in 2017. During 2018, twenty-two (22) scientific observers were dispatched for the Pacific Ocean (Figure 1). Table 4 presents observer trip information on areas, time periods, total hooks and hooks per basket etc. Table 5 shows the observer coverage information.

5.2 Data collection system

Bureau of Fisheries (BOF), Ministry of Agriculture of China, is leading and supervising the data collection of Chinese tuna fisheries. National-wide meetings on tuna data quality have been organized at least once a year in recent years. Participants included managers of tuna fishing companies and tuna-related fishery enterprises. Each vessel of every company engaged in tuna fishing is required to report fishery data (such as catch and effort by species, month, gear, area etc.) to China Overseas Fisheries Association (COFA). Data coverage of catch and effort is 100%. COFA and Shanghai Ocean University (SHOU) host and maintain the fishery and observer database for the tuna fisheries of China

Since 2008, each LL vessel is required by the BOFFLE to use standard logbook which is modified frequently according to the latest applicable CMMs, and return it back to SHOU before the end of March the following year. The data containing in the logbook are evaluated and audited to ensure the good quality for the data collected.

Another important way to collect size data is port sampling. Port-sampling program conducted in domestic ports aims at collecting length data of tunas and other species. Measurement is done when unloading from fishing vessels or in the processing plants.

6 Implementation of Conservation and Management Measures

6.1 CMM 2005-03

In accordance with CMM 2005-03, all CCMs shall report annually to the WCPFC Commission all catches of albacore north of the equator and all fishing effort north of the equator in fisheries directed at albacore.

In 2018, the total catch of north Pacific albacore by the Chinese fishing fleet was 547.7 MT in the north Convention area, and 10 vessels targeted at albacore in the North Pacific Ocean.

6.2 CMM 2006-04

In accordance with CMM 2006-04, CCMs shall report annually to the Commission the catch levels of their fishing vessels that have taken striped marlin as bycatch as well as the number and catch levels of vessels fishing for striped marlin in the Convention Area south of 15°S.

The bycatch of striped marlin in the Convention area south of 15°S in 2018 is 71 MT. None of China's fishing vessels targets at striped marlin.

6.3 CMM 2009-03

In accordance with CMM 2009-03, the number of the fishing vessels for swordfish in the Convention Area south of 20°S was limited to the number in any year during 2000-2005, and the catch of swordfish caught in the Convention Area south of 20°S is

limited to the amount caught in any year during the period 2000-2006.

China has no vessels targeting swordfish. The total catch on the stock south of 20°S in 2018 in the Convention Area was 43.8MT, which was reported to the Commission April 30 2018.

6.4 CMM 2009-06

In accordance with CMM 2009-06, CCMs shall report on all transshipment activities (including transshipment activities that occur in ports or EEZs) in Part 1 of its Annual Report.

In 2018, 344 transshipments in total were made by Chinese flagged LSTLVs to WCPFC-registered carrier vessels, the total quantities of tuna and tuna-like species including by-catch transshipped are around 25475.2 metric ton offloaded and received with the presence of WCPFC observer.

No transshipment took place in port and in EEZ in 2018.

344 at-sea transshipments that took place beyond areas of national jurisdiction in 2018, the total catch transshipped was around 25475.2 MT. The information of transshipment activities of our fishing fleets relating to the catch amount of each species and each product type in 2018 was shown in Table 6-8.

In terms of the transshipment, 8312.8 MT occurred in the WCPFC area, 5885.0 MT happened in the overlapping area and 11277.3MT occurred in the IATTC area.

In terms of the catch, 8751.5 MT are from WCPFC area (excluding the overlapping area), 9740.1 MT are from IATTC area, 6855.5MT are from Overlap area, and 128.0 MT come from EEZ. There are quite a few catches from overlapping area and IATTC area, according to Para 2 of CMM 2009-06, if the transshipment occurred in WCPFC area, even the catches come from IATTC area, it is also required to report to WCPFC Secretariat such transshipment, and if the transshipment occurred in overlapping area, usually two observers assigned by both WCPFC and IATTC on board the carrier vessel would issue two transshipment declaration reports.

6.5 CMM 2010-07

In accordance with CMM 2010-07, each CCM shall include key shark species, as identified by the Scientific Committee, in their annual reporting to the Commission of annual catch and fishing effort statistics by gear type, including available historical data, in accordance with the WCPF Convention and agreed reporting procedures.

Shark is one of the bycatch species for the longline fishing by Chinese vessel. Official document on tuna fishery was issued and distributed to each tuna fishing company

every year by the Ministry of Agriculture, where detailed requirements are clearly specified to the vessel owner. Such requirements include, for example, VMS, data collecting and reporting, observer, statistical document, seabird and sea turtle mitigation, and bycatch such as shark. With respect of sharks, it is required in the official document that sharks have to be fully utilized, the 5% ratio on sharkfin and weight of sharks up to the first landing point must be strictly observed. In accordance with CMM 2011-04, oceanic whitetip shark is prohibited to be kept on board as bycatch, such species must be handled strictly in line with the measure.

Each tuna longline vessel, no matter of its fishing ground, is required to precisely record the shark as bycatch in the logbook. More than 20 species, including 9 shark species, are required to be recorded in the logbook. Failure to record accurately will lead to sanctions by the government, as China implements performance review on each fishing company on an annual basis. Pictures of major shark species are printed in the logbook to assist the fishermen to easily identify the shark caught in fishing operations.

Bycatch data, including those for shark, are collected on a monthly basis, though sometimes need to be verified, by the China Overseas Fisheries Association. Such data, together with other data on tuna species, are forwarded to the Consultant Team at Shanghai Ocean University for an evaluation of their quality. Fishing companies that fail to report accurate/reasonable data are reported to the fisheries authority of China by the Team for questioning and possible penalty, including suspension of fishing permits of the vessel in question.

Shark data are reported to the Commission before the deadline of data submission. In 2018, only two shark species were retained as bycatch in WCPFC by Chinese fishing fleet, most of which are blue sharks which constitutes almost 98% of the total retained bycatch of shark.

6.6 CMM 2011-03 and CMM 2012-04

In accordance with CMM 2011-03 and CMM 2012-04, CCMs shall advise in their Part 1 Annual Report of any instances in which cetaceans and whale sharks have been encircled by the purse seine nets of their flagged vessels, respectively.

In 2018, 22 events about cetaceans encircled by the purse seine nets reported to our official authority and nine vessels involved were XIN SHI JI 112, SHUN FA 8, JIN HUI 6, JIN HUI 7, JIN HUI 8, JIN HUI 9, ZHONGTAI 3, FENGXIANG 818 and JINLIAOYU 57.

In 2018, 16 events about whale sharks encircled by the purse seine nets reported to our official authority and six vessels involved were XIN SHI JI 111, XIN SHI JI 112, FENGXIANG 818, JIN HUI 8, JIN HUI 9 and JIN HUI 58.

The detailed event record regarding the two issues mentioned above can be found in the attachment Table 9 and Table 10.

6.7 CMM 2011-04

In accordance with CMM 2011-04, each CCM shall estimate, through data collected from observer programs and other means, the number of releases of oceanic whitetip shark, including the status upon release (dead or alive), and report this information to the WCPFC in Part 1 of their Annual Reports.

In 2018, our observers from longliners recorded 48 dead, 966 alive oceanic whitetip shark in the WCPFC Convention Area, and we used this information to estimate the status of released oceanic whitetip shark captured by our entire longline fleets which was 1920 (91 dead, 1829 alive).

In 2018, 50 events about oceanic whitetip shark encircled by the Chinese purse seine fleets reported to our official authority, the detailed event record can be found in the attachment Table 11.

6.8 CMM 2012-07 and CMM 2015-03

In accordance with CMM 2012-07 and CMM 2015-03, CCMs shall annually provide to the Commission, in part 1 of their annual reports, all available information on interactions with seabirds reported or collected by observers, including mitigation used, observed and reported species specific seabird bycatch rates and numbers, to enable the Scientific Committee to estimate seabird mortality in all fisheries to which the WCPFC Convention applies.

The fisheries authority of China required fishing vessels to take appropriate measures to mitigate incidental catch of seabirds, although China fishing vessels almost operate in the areas between N23° and S30°.

On May 09 of 2018, China Overseas Fisheries Association organized a training meeting especially for seabirds and sharks in Yinchuan. Experts from SHOU emphasized mitigation information to the managers from the industries.

The information regarding interactions with seabirds reported by observers is shown in Table 12-13.

6.9 CMM 2013-08

In accordance with CMM 2013-08, CCMs shall estimate, through data collected from observer programs and other means, the number of releases of silky shark caught in the Convention Area, including the status upon release (dead or alive), and report this information to the WCPFC in Part 1 of their Annual Reports.

In 2018, there were 73 dead, 514 alive of silky shark recorded in our longline observer data in the WCPFC Convention Area. We estimated that there were

2393(298 dead, 2095 alive) for the entire longline fleet based on the information by our observer data. All the alive silky sharks were released and the dead ones were discarded.

In 2018, 623 events about silky shark encircled by the Chinese purse seine fleets reported to our official authority our official authority, the detailed event record can be found in the attachment Table 14.

6.10 CMM 2015-02

In accordance with CMM 2015-02, CCMs shall report annually to the Commission the annual catch levels taken by each of their fishing vessels that has taken South Pacific albacore, as well as the number of vessels actively fishing for South Pacific albacore, in the Convention area south of 20°S.

The catch of South Pacific albacore in the convention area south of 20°S in 2018 by China fishery fleet was 4960.3 MT.

6.11 CMM 2010-10

According to the CMM 2010-10, Para 5c of the Measure stipulates that: 2013 and beyond: [20%] reduction of the highest catch between 2000 and 2003. Measures taken by China on the stock include:

- (1)The fisheries authority of China made an arrangement to observe the catch limit as decided by the CMM, and accordingly, we set catch limit of 137.6 MT in 2014;
- (2) the stock is included in the logbook for China longline fishery, and vessel master has to record the catch in the logbook correctly;
- (3) catch data by longline vessel are submitted to the fishery authority on a monthly basis;
- (4) fishing gear modification: vessels operating in the area applicable to the Measure are encouraged to use monofilament instead of wire leader to reduce the catch of such stock; and
- (5)vessels are encouraged not to operate in fishing grounds where a large amount of such stock may be harvested.

The catch by China for North Striped Marlin in the area applicable to the CMM is 49.8MT in 2018. None of our fishing vessel targets for striped marlin.

6.12 Sea turtle information

For the longline fishing by Chinese vessel, sea turtle is one of the by-catch species that have to be accurately recorded in the logbook. The fisheries authority of China officially issued Logbook for Tuna Fisheries in 2008, and each tuna longline vessel, no matter of its fishing ground, is required to precisely record the sea turtle bycatch. Failure to doing so will lead to sanctions by the government, as China implements performance review on each fishing company on annual basis.

Booklets/posters on some sea turtles are printed and distributed to each longline vessel. Mitigation devices, such as dehookers and cutters, and user manual are provided to each longline vessel since September 2009 free of charge by China

Overseas Fisheries Association. All the devices were dispatched to all the longline vessels, including those operating in WCPFC area. Fishing companies are trained on proper treatment, including safe release, on sea turtle.

For purse seine fishery, there are seventeen reports related to sea turtles to our official authority in 2018 and the detailed event record can be found in the attachment Table 15. Thirty-six sea turtles (18 olive ridley turtles, 11 leatherback turtles, 1 flatback turtle and 6 green turtles) were captured by China longline vessels according to the report of observers in 2018, and the specific information was reported in the China observer report.

**Table 1 Number of Chinese tuna fishing vessels operating in the WCPFC
Convention area in 2014-2018**

Year	LL	PS	Total
2014	353	19	372
2015	448	20	468
2016	418	16	434
2017	362	16	378
2018	364	15	379

Note: LL vessels include chartered vessels

**Table 2 Nominal catch of tuna and tuna-like species by the Chinese tuna fishery
in the WCPFC Convention area in 2014-2018
(Unit of catch: MT in round weight)**

Year	Gear	ALB	BET	YFT	SKJ	SWO	BIL	OTH	Total
2014	LL	14643	9370	5949	0	2200	2113	810	35085
	PS	0	828	5551	53028	0	0	0	59407
	Total	14643	10197	11500	53028	2200	2113	810	94492
2015	LL	15122	8210	6226	0	2364	2268	935	35125
	PS	0	307	6969	35960	0	0	0	43236
	Total	15122	8517	13194	35960	2364	2268	935	78361
2016	LL	16175	8195	6559	0	1806	2095	895	35725
	PS	0	325	3805	13292	0	0	0	17422
	Total	16175	8520	10364	13292	1806	2095	895	53147
2017	LL	29252	7023	8526	0	1656	1714	614	48785
	PS	0	326	4254	10895	0	0	0	15475
	Total	29252	7349	12780	10895	1656	1714	614	64260
2018	LL	21295	8695	9031	0	2567	2024	682	44294
	PS	0	26	172	1775	0	0	0	1973
	Total	21295	8721	9203	1775	2567	2024	682	46267

Note: BIL includes striped marlin, blue marlin and black marlin; OTH includes sharks and other species.

**Table 3 Catch of non-target species by the Chinese LL tuna fishery in the
WCPFC Convention Area
from 2014 to 2018(Unit of catch: MT)**

Species	Billfish			Sharks		
	Striped marlin	Blue marlin	Black marlin	Blue shark	Shortfin mako	Oceanic Whitetip
2014	214	1826	73	206	19	0
2015	194	2025	49	372	50	33
2016	128	1892	75	261	23	/
2017	124	1571	19	/	/	/
2018	277	1724	23	/	/	/

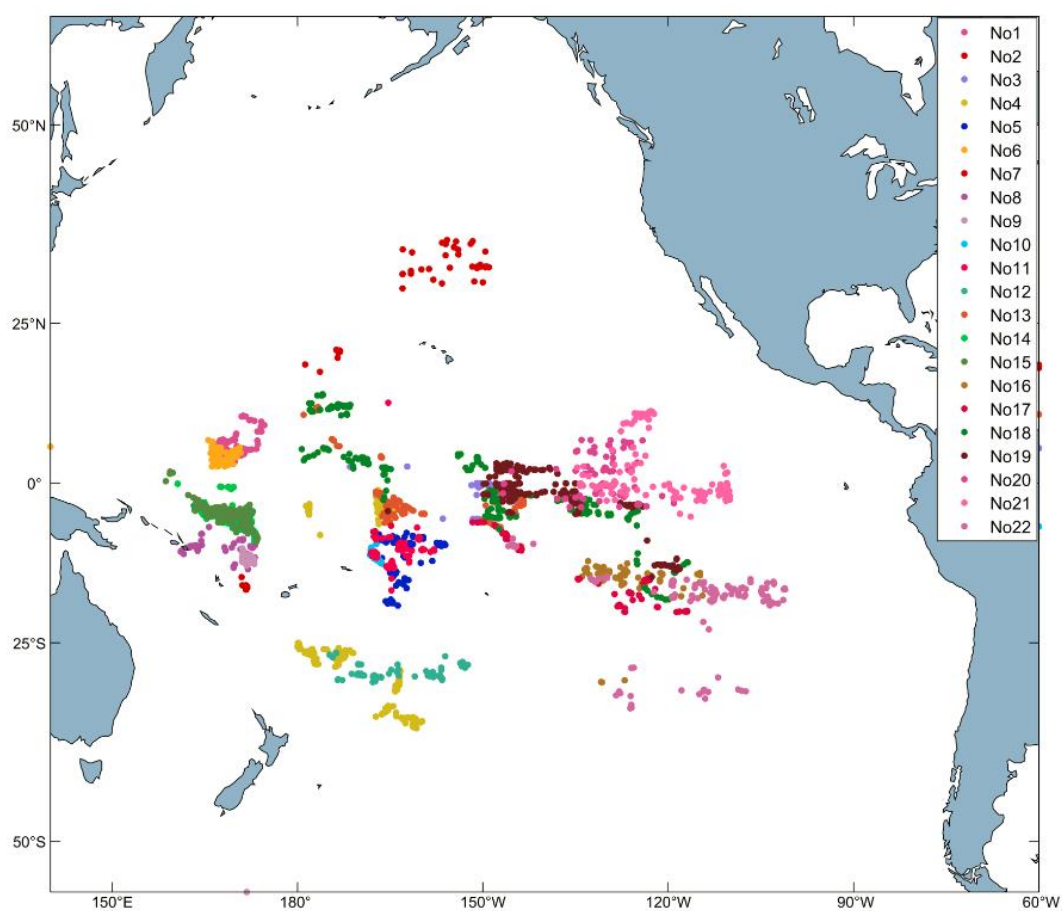


Figure 1 Position of Chinese scientific observer trip during 2018 in Pacific

Table 4 Trip information of Chinese scientific observer deployed in the Pacific Ocean during 2018

Trip	Fishing areas	Period	Set	fishing days	Total hooks	HPB	Type
NO.1	N03°07' -N10°49' , E167°00' -E174°38'	Jun.2,2018-Oct.24,2018	95	137	237500	27	I
NO.2	N30°00' -N36°32' , W150°00' -W163°03	Sept.7,2018-Dec.31,2018	59	92	221754	26	I
NO.3	N12°03' -S6°15' , E178°17' -W172°30'	Aug.15,2018-Dec.31,2018	83	99	222960	16	D
NO.4	S1°10' -S36°50' , W 179°55' -W160°04'	Apr.1,2018-Jan.19,2019	235	285	713000	25	I
NO.5	S8°52' -S19°21' , W156°00' -W166°49'	May.11,2018-Aug.3,2018	63	85	237974	29	I
NO.6	N2°41' -N6°55' , E166°09' -E170°55'	Jun.5,2018-Oct.26,2018	97	141	233080	26	I
NO.7	S16°58' -S17°42' , E170° 57' -E171°39'	Nov.7,2018-Nov.17,2018	7	10	28768	31	I
NO.8	S8°55' -S14°12' , E165°41' -E171°58'	Aug.4,2018-Nov.7,2018	73	89	255551	30	I
NO.9	S10°00' -S14°00' , E171°00' -E173°00'	Jul.31,2018-Oct.4,2018	57	57	229980	30	I
NO.10	N05°52' -S13°28' , E144°11' -W165°23'	Spet.11,2018-Dec.30,2018	76	103	265838	29	I
NO.11	S08°36' -S15°15' , W157° 51' -W168° 5'	Apr.27,2018-Sept.9,2018	87	111	330512	26	I
NO.12	S28°08' -S30°59' , W152°01' -W174°48'	May.17,2018-Sept.20,2018	68	112	303620	28	I
NO.13	N15°57' -S7°06' , W179°01' -E179°02'	Apr.1,2018-Dec.31,2018	209	248	947179	21	D
NO.14	S00°07'-S10°00' , E160°36'-E174°00'	Apr.25,2018-Dec.31,2018	208	229	534000	28	I
NO.15	N01°39' -.S14°06' , E159°49' -E173°03'	Apr.14,2018-Dec.31,2018	203	236	531478	26	I
NO.16	S10°15' -S30°22' , W114°29' -W117°33'	Dec.18,2017-Jul.4,2018	90	142	333100	25	I
NO.17	S20°38' -S6°18' , W111° 30' -W167°45'	Jul.30,2018-Dec.31,2018	102	147	410284	28	I
NO.18	N14°14' -S18°31' , W116° 50' -W179°18'	Mar.21,2018-Dec.31,2018	240	272	652223	17	D
NO.19	N3°14' -S15°00' , W119° 05' -W166° 38'	Mar.27,2018-Dec.31,2018	236	271	676056	17	D
NO.20	N6°57' -S7°20' , W147°15' -W119°20'	Aug.28,2018-Dec.31,2018	83	108	272840	19	D
NO.21	N11°33' -S05°26' , W110°01' -W134°44'	Jun.3,2018-Feb.18,2019	124	165	254208	12	I
NO.22	S08°57' -S10°07' , W145°08' -W145°52' S31°54' -S34° 11' , W107° 27' -W126° 09' S19° 03' -S15°45' , W101° 00' -W102° 58'	May.16,2018-Dec.31,2018	131	184	511164	28	I

Note: HPB-Hook Per Basket .I - ice fresh tuna longline; D- deep frozen tuna longline

Table 5 Summary of longline observer coverage (by days fished) for 2018

CCM fleet	Fishery	Days fished			No. of hooks			days at sea			No. of trips		
		Total est.	Obs.	%	Total est.	Obs.	%	Total est.	Obs.	%	Total est.	Obs.	%
China	Distant-water	61,316	3323	5.40									

Table 6 The catch amount of each species when transshipment happened beyond areas of national jurisdiction(Unit of catch: MT)

SPECIES										
Total	BET	YFT	SWO	Striped Marlin	Blue Marlin	Shark	Albacore	Oil	Black Marlin	Others
25475.21	6624.61	2399.52	1312.13	208.59	297.64	529.01	11603.85	0	19.78	2480.04

Table 7 The catch amount of each product type when transshipment happened beyond areas of national jurisdiction(Unit of catch: MT)

Prouduct Type												
Whole	Gutted and Headed	Gutted	headed and Tailed	Gutted only	Not gilled	FILLET	Gilled and Gutted	Gilled	Gutted and tailed	Shark Fins	Others	TOTAL
11971.06	477.73	1.87	386.12	4.20	0	0	8445.06	0	921.34	16.24	3251.55	25475.21

Table 8 The catch area when transshipment happened beyond areas of national jurisdiction

PRODUCT COME FROM				
WCPFC ABNJ (HIGH SEAS)	IATTC ABNJ(HIGH SEAS)	OVERLAP AREA	EEZ	Total
8751.51	9740.14	6855.54	128.02	25475.21

Table 9 Cetacean interactions in purse seine fishery for national fleet

Flag	Gear	Vessel Name	Species	Date	Latitude	Longitude	EEZ	Life Status(Dead/Alive)	Number of Individuals
CN	PS	SHUN FA 8	False kill whale(FAW)	2018/11/29	00°32N'S	151°36'E	PG	AI-12,D-1	13
CN	PS	SHUN FA 8	False kill whale(FAW)	2018/12/14	00°16N'	152°13'E	PG	AI	1
CN	PS	SHUN FA 8	False kill whale(FAW)	2018/2/18	00°28N'	149°28'E	PG	AI	1
CN	PS	SHUN FA 8	Minke whale(MIW)	2018/9/30	00°51'S	167°36'E	NR	AI	1
CN	PS	FENGXIANG 818	Dolphin	2018/1/14	00°17'N	149°49'E	-	AL	1
CN	PS	FENGXIANG 818	Dolphin	2018/1/26	00°51's	148°49'E	-	AL	1
CN	PS	JINLIAOYU 57	False kill whale(FAW)	2018/8/9	02°01'S	169°28'E	KI	AI	1
CN	PS	JINHUI NO.6	Rough-toothed dolphin(RTD)	2018/11/10	01°06'N	176°04'E	KI	AI-3,D-1	4
CN	PS	JINHUI NO.7	False kill whale(FAW)	2018/8/1	01°22'S	171°12'E	KI	AI	1
CN	PS	JINHUI NO.7	False kill whale(FAW)	2018/8/3	00°23'S	171°42'E	KI	AI	1

CN	PS	JINHUI NO.8	False kill whale(FAW)	2018/12/12	04°27'S	177°45'E	TUVALU	AI	5
CN	PS	JINHUI NO.9	False kill whale(FAW)	2018/4/19	03°15'N	166°53'E	MARSHALL	AI	3
CN	PS	JINHUI NO.9	False kill whale(FAW)	2018/7/2	02°04'S	168°21'E	KI	AI	4
CN	PS	JINHUI NO.9	Short finned pilot whale(SHW)	2018/11/16	01°14'N	175°04'E	KI	AI	3
CN	PS	JINHUI NO.9	False kill whale(FAW)	2018/12/23	02°25'S	167°57'E	NAURA	AI	2
CN	PS	ZHONGTAI NO.3	False kill whale(FAW)	2018/1/10	05°36'S	174°25'E	TV	AI	1
CN	PS	ZHONGTAI NO.3	Short finned pilot whale(SHW)	2018/1/10	05°36'S	174°25'E	TV	AI	1
CN	PS	ZHONGTAI NO.3	False kill whale(FAW)	2018/11/24	02°17'S	172°30'E	KI	AI	3
CN	PS	ZHONGTAI NO.3	Rough-toothed dolphin(RTD)	2018/9/2	02°42'S	170°38'E	KI	AI-2, D-2	4
CN	PS	ZHONGTAI NO.3	Dwarf sperm whale(DWW)	2018/5/22	02°46'S	166°31'E	NR	AI	4
CN	PS	ZHONGTAI NO.3	False kill whale(FAW)	2018/11/18	01°53'S	170°57'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Pantropical spotted dolphin(DPN)	2018/9/2	02°42'S	170°38'E	KI	AI	1
CN	PS	XIN SHI JI 112	BIYDE'S	2018/5/26	00°08'S	168°54'E	KI	AI	1

			whale(BRW)						
CN	PS	XIN SHI JI 112	BIYDE'S whale(BRW)	2018/6/22	03°39'S	173°04'E	KI	AI	2

Table 10 Whale shark interactions in purse seine for national fleet

Flag	Gear	Vessel Name	Species	Date	Latitude	Longitude	EEZ	Life Status(Dead/Alive)	Number of Individuals
CN	PS	XIN SHI JI 111	Whale Shark(RHN)	2018/5/27	00°23'N	167°48'E	NAURU	AI	1
CN	PS	XIN SHI JI 111	Whale Shark(RHN)	2018/6/2	02°50'S	166°09'E	NAURU	AI	1
CN	PS	XIN SHI JI 111	Whale Shark(RHN)	2018/6/16	01°36'S	163°53'E	NAURU	D	1
CN	PS	XIN SHI JI 111	Whale Shark(RHN)	2018/6/19	03°00'S	167°48'E	NAURU	AI	1
CN	PS	XIN SHI JI 111	Whale Shark(RHN)	2018/6/1	03°44'S	167°11'E	NAURU	AI	1
CN	PS	XIN SHI JI 111	Whale Shark(RHN)	2018/12/25	03°46'S	176°01'E	KIRIBATI	AI	1
CN	PS	XIN SHI JI 112	Whale Shark(RHN)	2018/5/30	00°17'N	167°11'E	NR	AI	1
CN	PS	XIN SHI JI 112	Whale Shark(RHN)	2018/12/19	00°44'N	149°36'E	PG	AI	1
CN	PS	FENGXIANG	Whale	2018/04/11	00°34'S	149°07'E	-----	AI	1

		818	Shark(RHN)						
CN	PS	FENGXIANG 818	Whale Shark(RHN)	2018/04/11	00°36'S	149°00'E	-----	Al	1
CN	PS	FENGXIANG 818	Whale Shark(RHN)	2018/09/11	01°39'S	145°59'E	-----	Al	1
CN	PS	JINHUI NO.8	Whale Shark(RHN)	2018/05/26	02°50'N	156°11'E	MICRONESIA	Al	1
CN	PS	JINHUI NO.8	Whale Shark(RHN)	2018/12/19	08°13'S	173°47'E	TUVALU	Al	1
CN	PS	JINHUI NO.9	Whale Shark(RHN)	2018/7/14	02°45'S	168°08'E	KI	Al	1
CN	PS	JINHUI NO.9	Whale Shark(RHN)	2018/11/7	01°54'S	169°18'E	KI	Al	1
CN	PS	JINHUI NO.58	Whale Shark(RHN)	2018/11/25	00°34'S	165°05'E	NAURA	Al	2

Table 11 Oceanic White tip shark in purse seine for national fleet

Flag	Gear	Vessel Name	Species	Date	Latitude	Longitude	EEZ	Life Status(Dead/Alive)	Number of Individuals
CN	PS	XIN SHI JI 112	Oceanic whitetip shark(OCS)	2018/5/29	00°17'N	167°13'E	NR	D	1
CN	PS	XIN SHI JI 112	Oceanic whitetip shark(OCS)	2018/5/29	00°37'N	167°07'E	NR	D	1
CN	PS	XIN SHI JI 112	Oceanic whitetip shark(OCS)	2018/9/08	01°34'S	170°23'E	KI	AL	1
CN	PS	XIN SHI JI 112	Oceanic whitetip shark(OCS)	2018/9/09	00°48'S	171°51'E	KI	AL	1
CN	PS	XIN SHI JI 112	Oceanic whitetip shark(OCS)	2018/9/11	00°53'S	171°19'E	KI	AL	1
CN	PS	SHUNFA 8	Oceanic whitetip shark(OCS)	2018/4/1	02°11'S	167°21'E	NR	Al	1
CN	PS	SHUNFA 8	Oceanic whitetip shark(OCS)	2018/4/8	01°38'N	171°20'E	KI	Al	1
CN	PS	SHUNFA 8	Oceanic whitetip shark(OCS)	2018/5/7	01°52'S	158°12'E	PNG	Al	1
CN	PS	SHUNFA 8	Oceanic whitetip shark(OCS)	2018/5/8	01°05'S	157°27'E	PNG	Al	1
CN	PS	SHUNFA 8	Oceanic whitetip shark(OCS)	2018/5/11	02°05'S	155°10'E	PNG	Al	1
CN	PS	SHUNFA 8	Oceanic whitetip shark(OCS)	2018/6/17	01°54'S	156°24'E	PNG	Al	1

CN	PS	XIANGFA 8	Oceanic whitetip shark(OCS)	2018/2/24	01°21'N	166°02'E	NAURA	AI	2
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/2/4	00°14'S	165°38'E	NAURA	AI	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/2	01°37'S	171°05'E	KI	AI	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/3	03°26'S	172°32'E	KI	AI	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/12	00°32'N	178°17'E	KI	AI	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/14	00°11'S	170°40'E	KI	AI	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/15	01°21'S	168°16'E	KI	D	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/24	00°41'N	169°58'E	KI	AL	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/7/25	00°51'S	171°22'E	KI	AL	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/8/4	00°27'S	168°33'E	KI	D	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/8/26	00°35'N	169°47'E	KI	AL	1
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/8/27	00°10'N	170°59'E	KI	AL	1
CN	PS	JINHUI NO.6	Oceanic whitetip	2018/9/2	01°54'N	170°01'E	KI	AL	1

			shark(OCS)						
CN	PS	JINHUI NO.6	Oceanic whitetip shark(OCS)	2018/9/8	00°54'S	171°59'E	KI	AL	1
CN	PS	JINHUI NO.7	Oceanic whitetip shark(OCS)	2018/6/25	00°13'S	170°58'E	KI	D	4
CN	PS	JINHUI NO.7	Oceanic whitetip shark(OCS)	2018/6/29	01°02'S	165°31'E	NR	AL	1
CN	PS	JINHUI NO.7	Oceanic whitetip shark(OCS)	2018/7/2	01°57'S	170°19'E	KI	AL	1
CN	PS	JINHUI NO.7	Oceanic whitetip shark(OCS)	2018/7/3	01°48'S	169°43'E	KI	AL	2
CN	PS	JINHUI NO.7	Oceanic whitetip shark(OCS)	2018/7/13	02°55'S	178°28'E	KI	AL	3
CN	PS	JINHUI NO.18	Oceanic whitetip shark(OCS)	2018/4/16	03°29'N	174°56'E	KI	AL	1
CN	PS	JINHUI NO.18	Oceanic whitetip shark(OCS)	2018/5/6	02°13'N	171°40'E	KI	D	1
CN	PS	JINHUI NO.18	Oceanic whitetip shark(OCS)	2018/10/20	00°40'S	170°54'E	KI	D	1
CN	PS	JINHUI NO.58	Oceanic whitetip shark(OCS)	2018/10/23	00°19'N	169°31'E	KI	AI	1
CN	PS	JINHUI NO.58	Oceanic whitetip shark(OCS)	2018/12/28	02°22'S	169°44'E	KI	AI	2
CN	PS	JINHUI NO.58	Oceanic whitetip shark(OCS)	2018/12/29	01°45'S	169°59'E	KI	AI	1

CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/6/7	02°52'S	168°52'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/11/29	03°04'S	174°38'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/4/10	01°07'N	170°41'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/4/11	01°11'N	170°41'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/6/28	00°40'S	165°55'E	NR	AI	2
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/2/22	01°10'N	166°41'E	NR	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/3/11	00°03'S	168°27'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/6/20	02°45'N	178°30'E	HIGH	AI	2
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/7/3	03°05'S	169°22'E	KI	AI	2
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/7/27	01°44'S	171°08'E	KI	AI	2
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/9/9	02°54'S	172°48'E	KI	AI	1
CN	PS	ZHONGTAI NO.3	Oceanic whitetip shark(OCS)	2018/9/28	01°53'S	170°59'E	KI	AI	3
CN	PS	ZHONGTAI	Oceanic whitetip	2018/11/25	02°58'S	172°59'E	KI	AI	1

		NO.3	shark(OCS)						
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Table 12 Effort, observed and estimated seabird captures by fishing year for China

a) South of 30°S

Year	Fishing effort(1000 hooks)				Observed seabird captures	
	Number of vessels	Number of hooks	Observed hooks	% hooks observed	Number	Rate
2014	18	1889	0	0	0	0
2015	25	7218	0	0	0	0
2016	27	5334	58	1.08	5	0.086
2017	35	5484	537	9.79	4	0.007
2018	19	5025	175	3.48	0	0

b) North of 23°N

Year	Fishing effort				Observed seabird captures	
	Number of vessels	Number of hooks	Observed hooks	% hooks observed	Number	Rate ²
2014	9	402	0	0	0	0
2015	8	1971	0	0	0	0
2016	7	950	61	6.4	9	0.14
2017	7	1915	522	27.2	0	0
2018	10	779	118	15.15	6	0.0508

c) 23°N - 30°S

Year	Fishing effort				Observed seabird captures	
	Number of vessels	Number of hooks	Observed hooks	% hooks observed	Number	Rate ²
2014	326	115509	1335	1.15	1	0.0007
2015	415	127668	1279	1.0	0	0
2016	384	103412	4268	4.1	0	0
2017	320	129971	7641	5.8	0	0
2018	335	140011	6430	4.59	1	0.00015

Table 13 The number of observed seabird bycatch of longline fishery by species and by area in 2018

Year	Species	South of 30°	North of 23°N	23°N-30°S
2018	Laysan albatross	0	6	0
2018	Southern royal albatross	1	0	0

Table 14 Silky shark in purse seine for national fleet

Flag	Gear	Vessel Name	Species	Date	Latitude	Longitude	EEZ	Life Status(Dead/Alive)	Number of Individuals
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/1/1	01°07'N	176°25'E	KIRIBATI	AI-5,D-2	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/1/4	01°15'N	175°25'E	KIRIBATI	D	6
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/1/5	00°38'N	175°25'E	KIRIBATI	D	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/1/6	00°48'N	175°13'E	KIRIBATI	D-14,AL-7	21
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/1/11	04°23'S	175°35'E	TV	AL	1
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/1	01°44'N	165°04'E	NAURU	D-16,AL-5	21
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/2	01°38'N	164°34'E	NAURU	AL	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/5	01°35'N	164°35'E	NAURU	AL-9,D-2	11
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/6	00°15'S	165°05'E	NAURU	AL-17,D-5	22
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/7	00°17'S	166°07'E	NAURU	AL-11,D-3	14
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/8	00°07'S	165°56'E	NAURU	AL-6,D-4	10

CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/9	01°07'S	167°21'E	NAURU	AL-8,D-2	10
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/2/28	00°29'N	170°23'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/3	00°40'N	170°32'E	KI	AL	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/17	03°23'N	170°00'E	MH	AL	1
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/22	00°17'S	168°22'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/24	00°13'S	168°51'E	KI	AL	1
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/26	00°08'S	168°54'E	KI	AL-5,D-2	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/28	00°12'N	167°31'E	NR	AL-36,D-88	124
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/29	00°17'N	167°13'E	NR	AL-6,D-6	12
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/30	00°16'N	167°11'E	NR	AL-4,D-3	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/5/30	00°27'N	167°37'E	NR	AL-8,D-6	14
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/08	02°43'S	169°50'E	KI	AL-16,D-17	33
CN	PS	XIN SHI JI	Silky	2018/6/08	02°39'S	169°46'E	KI	AL	1

		112	Shark(FAL)						
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/9	02°44'S	169°41'E	KI	AL-3,D-1	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/9	02°39'S	169°35'E	KI	AL-14,D-4	18
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/10	02°41'S	169°48'E	KI	AL-10,D-5	15
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/11	03°26'S	168°14'E	KI	AL	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/11	02°57'S	168°55'E	KI	AL	1
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/13	04°58'S	172°58'E	TV	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/14	04°00'S	173°13'E	KI	AL-3,D-1	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/14	04°54'S	173°25'E	TV	D	1
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/15	04°13'S	173°07'E	TV	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/16	02°59'S	172°16'E	KI	D	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/17	02°38'S	173°21'E	KI	D-19,AL-20	39
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/18	02°34'S	173°22'E	KI	D-1,AL-2	3

CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/19	02°38'S	173°24'E	KI	D-15, AL-15	30
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/20	03°23'S	172°59'E	KI	D-2, AL-2	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/6/21	03°39'S	173°04'E	KI	D-5, AL-2	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/06/21	03°37'S	172°59'E	KI	D-1,AL-2	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/06/22	02°50'S	173°32'E	KI	D-10,AL-2	12
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/06/22	03°31'S	172°50'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/03	00°36'S	176°38'E	KI	D-4,AL-12	16
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/04	02°04'S	169°26'E	KI	AL-4.D-2	6
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/05	02°25'S	170°18'E	KI	AL	10
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/06	02°38'S	169°11'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/07	02°12'S	170°27'E	KI	AL	9
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/08	02°50'S	173°31'E	KI	AL-5,D-2	7
CN	PS	XIN SHI JI	Silky	2018/07/09	04°03'S	176°23'E	KI	AL	7

		112	Shark(FAL)						
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/10	03°32'S	175°44'E	KI	AL-7,D-1	8
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/13	02°50'S	169°16'E	KI	AL-6,D-3	9
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/15	01°41'S	169°44'E	NR	AL	1
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/17	01°35'S	166°10'E	NR	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/18	01°23'S	168°52'E	KI	AL-9,D-2	11
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/20	03°36'S	173°51'E	KI	AL	9
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/21	03°36'S	173°14'E	KI	AL-5,D-2	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/28	01°56'N	174°43'E	KI	AL-10,D-2	12
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/29	01°22'N	170°52'E	KI	AL-4,D-1	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/29	01°08'N	171°05'E	KI	AL-7,D-1	8
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/31	01°10'N	170°49'E	KI	AL-8,D-2	10
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/07/31	01°38'N	169°36'E	KI	AL-14,D-3	17

CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/1	01°49'N	174°07'E	KI	D-3.AI-3	6
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/2	01°56'S	173°32'E	KI	AI-2,D-1	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/5	03°15'S	169°01'E	KI	AI-6,D-4	10
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/6	04°02'S	168°49'	KI	AI-7,D-4	11
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/9	00°11'S	171°34'E	KI	D	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/10	01°28'N	170°09'E	KI	AI-3,D-1	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/11	00°52'N	170°53'E	Nauru	AI-15,D-3	18
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/12	00°36'N	171°29'E	KI	D-3,AL-7	10
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/13	00°32'N	171°24'E	KI	AI-9,D-3	12
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/29	00°06'N	171°06'E	KI	AL	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/8/31	00°28'N	170°55'E	KI	AI-5,D-3	8
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/2	00°01'N	171°06'E	KI	AI-10,D-2	12
CN	PS	XIN SHI JI 112	Silky	2018/9/4	03°15'S	171°50'E	KI	AI	4

			Shark(FAL)						
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/5	03°27'S	169°43'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/6	03°30'S	169°34'E	KI	Al	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/08	01°34'S	170°23'E	KI	AL	6
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/11	00°53'S	171°19'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/13	01°54'S	171°34'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/14	01°42'S	171°09'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/9/15	00°30'S	171°15'E	KI	AL	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/3	01°07'S	161°08'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/4	01°32'S	170°05'E	KI	AL	12
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/5	01°07'S	170°42'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/6	01°00'S	171°03'E	KI	AL	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/8	00°11'S	168°49'E	KI	AL	3

CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/9	01°34'S	171°36'E	KI	AL	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/11	01°52'S	170°25'E	KI	AL	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/15	03°45'S	170°55'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/17	00°42'N	169°53'E	KI	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/18	00°02'N	169°34'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/20	00°05'N	169°13'E	KI	AL	7
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/10/29	03°38'N	169°34'E	MH	AL	2
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/11/10	04°14'S	173°17'E	TV	AL	4
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/11/11	04°06'S	173°11'E	KI	AL	3
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/11/12	04°31'S	173°10'E	KI	Al	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/12/03	04°49'S	175°00'E	TV	Al	5
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/12/04	04°55'S	175°57'E	TV	AL	2
CN	PS	XIN SHI JI 112	Silky	2018/12/08	04°58'S	175°56'E	TV	Al	4

			Shark(FAL)						
CN	PS	XIN SHI JI 112	Silky Shark(FAL)	2018/12/25	05°48'S	174°57'E	TV	AL	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/9/30	00521'S	167°32'E	NR	Al	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018//10/2	00°00'S	167°44'E	NR	Al-3,D-4	7
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/5	02°26'S	167°27'E	NR	Al	6
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/6	02°39'S	167°38'E	NR	Al-8,D-5	13
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/9	02°14'S	167°19'E	NR	Al-5,D-5	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/10	02°08'S	167°17'E	NR	Al-8,D-7	15
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/13	02°57'S	166°57'E	NR	Al	4
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/15	01°17'S	172°17'E	NR	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/24	04°50'N	174°22'E	KI	AL-10.D-10	20
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/27	00°10'N	169°43'E	KI	Al	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/29	00°29'S	165°08'E	NR	Al-10,D-5	15

CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/10/30	01°32'S	165°15'E	NR	Al	20
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/2	05°48'S	163°20'E	SB	Al-4,D-2	6
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/8	00°22'S	153°51'E	FM	Al-25,D-5	30
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/9	00°21'S	153°29'E	FM	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/9	00°17'S	153°42'E	FM	Al-15,D-15	30
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/12	00°51'N	149°19'E	PG	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/17	01°21'N	153°10'E	FM	Al	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/19	00°43'N	153°25'E	FM	Al	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/19	00°39'N	153°20'E	FM	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/22	00°18'N	153°56'E	FM	Al	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/23	00°18'N	154°28'E	FM	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/11/27	00°19'N	154°57'E	FM	Al	5
CN	PS	SHUN FA 8	Silky	2018/12/16	01°15'N	147°24'E	PG	Al	4

			Shark(FAL)						
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/12/16	01°05'N	148°28'E	PG	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/12/17	01°06'N	148°28'E	PG	Al	4
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/12/23	02°00'S	151°01'E	PG	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/12/26	01°58'S	160°44'E	PG	Al-7,D-8	15
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/12/27	02°08'S	161°01'E	PG	Al-10,D-5	15
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/12/28	01°57'S	161°06'E	PG	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/1/23	05°52'N	148°17'E	FSM	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/1/24	05°30'N	148°31'E	FSM	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/2/7	01°14'S	156°25'E	PNG	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/2/8	00°56'S	156°38'E	FSM	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/2/13	01°44'S	157°10'E	PNG	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/2/14	01°53'S	161°10'E	PNG	Al	5

CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/2/20	00°48'N	167°06'E	NAU	D	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/2/23	02°37'S	165°31'E	NAU	D	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/3/4	02°11'N	168°24'E	MH	Al	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/3/18	01°06'S	166°35'E	NAURA	Al	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/3/21	03°07'N	171°43'E	KI	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/3/30	01°36'N	164°14'E	NR	Al	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/5	02°19'N	171°23'E	KI	Al	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/7	01°41'N	171°25'E	KI	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/9	02°47'N	170°55'E	KI	Al	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/14	02°33'N	168°30'E	KI	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/17	01°53'S	168°33'E	KI	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/18	02°32'S	168°17'E	KI	Al	10
CN	PS	SHUN FA 8	Silky	2018/4/21	02°32'N	171°43'E	KI	Al	2

			Shark(FAL)						
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/28	04°36'N	171°40'E	MH	AI	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/4/29	04°34'N	174°41'E	KI	AI	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/3	02°11'S	168°04'E	NR	AI	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/7	02°17'S	156°08'E	PG	D	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/8	01°05'S	157°27'E	PNG	AI-4,D-1	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/12	02°02'S	156°01'E	PG	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/14	02°04'S	161°32'E	PNG	D	10
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/20	01°46'S	165°57'E	NR	D	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/23	01°29'S	165°26'E	NR	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/24	00°12'S	166°18'E	KI	D	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/5/26	01°51'S	166°20'E	NR	D	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/17	01°54'S	156°24'E	PNG	AI-1,D-1	2

CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/18	01°44'S	154°03'E	PNG	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/20	01°17'S	153°39'E	PNG	D	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/20	01°11'S	152°03'E	PNG	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/24	02°16'S	155°11'E	PNG	D	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/25	00°08'S	154°19'E	FM	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/25	00°10'S	154°10'E	FM	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/27	00°24'S	153°38'E	FM	D	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/27	00°04'S	153°49'E	FM	D	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/28	00°22'S	153°50'E	FM	D	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/7/1	00°29'S	152°45'E	PG	Al	7
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/7/2	00°22'S	153°47'E	FM	D	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/7/4	03°22'N	152°58'E	FM	D	5
CN	PS	SHUN FA 8	Silky	2018/7/11	01°51'S	165°26'E	NR	D	2

			Shark(FAL)						
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/7/15	01°24'S	164°48'E	NR	D	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/7/30	00°58'N	165°50'E	NR	Al	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8/1	02°36'S	166°47'E	NR	Al	1
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8/6	03°22'S	169°18'E	KI	Al	9
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8/11	01°03'S	167°34'E	NR	Al-5,D-10	15
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8/11	01°11'S	167°44'E	NR	Al-20,D-5	25
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8//12	01°11'S	167°31'E	NR	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8/13	02°00'S	168°20'E	KI	Al-10,D-2	12
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/8/23	02°22'S	169°06'E	KI	Al	5
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/9/3	01°25'N	168°32'E	KI	Al	3
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/9/3	01°26'N	168°31'E	KI	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/9/21	02°01'S	168°03'E	NR	Al	2

CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/9/30	00°51'S	167°36'E	NR	Al-9,D-3	12
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/9/30	00°52'S	167°34'E	NR	Al	2
CN	PS	SHUN FA 8	Silky Shark(FAL)	2018/6/15	00°31'N	155°29'E	FM	Al-4,D-4	8
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/6/8	03°20'S	168°27'E	KI	D	10
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/6/10	03°37'S	168°26'E	KI	D	4
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/6/28	00°23'S	153°52'E	FSM	D	1
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/7/12	02°06'S	165°10'E	NAURA	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/7/14	01°21'S	164°49'E	NAURA	D	4
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/1	02°23'S	166°53'E	NAURA	D	1
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/3	02°57'S	165°54'E	NAURA	D	2
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/5	01°30'S	166°13'E	NAURA	D	4
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/7	03°20'S	168°46'E	KI	D	1
CN	PS	XIANG FA 8	Silky	2018/8/8	02°27'S	168°11'E	KI	D	1

			Shark(FAL)						
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/11	01°11'S	167°43'E	NAURA	D	6
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/18	03°10'N	169°03'E	MARSHALL	D	4
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/8/25	00°19'N	169°046'E	KI	D	10
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/9/4	01°56'S	168°19'E	KI	D	7
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/9/5	00°03'N	169°10'E	KI	D	14
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/10/8	02°02'S	178°51'E	KI	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/10/10	02°44'S	178°54'E	KI	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/10/28	03°28'S	178°52'E	KI	D	3
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/3	07°07'S	179°29'E	TUVALU	D	3
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/9	09°30'S	169°51'E	SOLOMON	D	8
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/12	07°59'S	167°27'E	SOLOMON	D	20
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/17	07°09'S	167°15'E	SOLOMON	D	2

CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/22	07°46'S	167°46'E	SOLOMON	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/26	03°47'S	171°05'E	KI	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/11/29	02°22'S	173°20'E	KI	D	4
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/10	03°03'N	171°09'E	KI	D	1
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/10	03°08'N	171°16'E	KI	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/16	06°45'S	167°24'E	SOLOMON	D	3
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/17	06°51'S	167°13'E	SOLOMON	D	4
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/18	07°29'S	166°13'E	SOLOMON	D	5
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/20	03°17'S	170°33'E	KI	D	3
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/21	02°16'S	170°37'E	KI	D	6
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/12/24	00°36'N	171°45'E	KI	D	2
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/4/4	01°22'S	168°22'E	KI	D	7
CN	PS	XIANG FA 8	Silky	2018/3/8	02°21'N	166°32'E	NAURA	D	6

			Shark(FAL)						
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/3/16	01°21'S	166°49'E	NAURA	D	10
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/2/24	01°21'N	166°02'E	NAURA	D	10
CN	PS	XIANG FA 8	Silky Shark(FAL)	2018/3/15	01°27'S	167°01'E	NAURA	AL	1
CN	PS	FENGXIANG 818	Silky Shark(FAL)	2018/1/4	10°15'S	154°14'E	-----	AL	1
CN	PS	FENGXIANG 818	Silky Shark(FAL)	2018/1/10	06°57'S	154°03'E	-----	AL	1
CN	PS	JINLIAOYU 77	Silky Shark(FAL)	2018/9/17	04°47S	177°12W	KI	D	3
CN	PS	JINLIAOYU 77	Silky Shark(FAL)	2018/10/8	03°01S	178°56E	KI	D	3
CN	PS	JINLIAOYU 77	Silky Shark(FAL)	2018/12/2	07°45S	151°54E	PNG	AL	2
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/4/8	01°44'S	179°30'E	KI	D	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/4/10	02°22'S	179°17'E	KI	AL	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/4/27	02°48'S	177°53'E	KI	1-D 5-AL	6
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/4/28	02°44'S	174°47'E	KI	AL	2

CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/5/2	01°38'S	172°56'E	KI	AL	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/8	02°00'S	169°00'E	KI	AL	2
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/9	01°49'S	168°52'E	KI	AL	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/10	02°22'S	170°15'E	KI	4-AL 3-D	7
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/18	02°58'S	176°28'E	KI	4-AL 2-D	6
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/19	02°59'S	176°44'E	KI	D	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/20	03°21'S	176°56'E	KI	AL	7
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/22	03°29'S	176°54'E	KI	D	6
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/23	03°04'S	177°09'E	KI	4-AL 4-D	8
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/26	04°37'S	176°34'E	KI	5-AL 14-D	19
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/29	03°27'S	178°26'E	KI	2-AL 7-D	9
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/30	03°58'S	178°03'E	KI	D	3
CN	PS	JinLiaoYu	Silky	2018/9/5	02°29'S	179°45'E	KI	AL	5

		no.57	Shark(FAL)						
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/9/8	03°30'S	169°29'E	KI	AL	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/9/12	02°18'S	179°52'E	KI	3-AL 3-D	6
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/9/13	02°28'S	179°40'E	KI	D	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/9/17	03°03'S	178°57'E	KI	1-AL 3-D	4
CN	PS	JinLiaoYu no.77	Silky Shark(FAL)	2018/9/17	04-47S	177-12W	KI	D	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/9/18	02°53'S	178°38'E	KI	D	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/9/27	03°35'S	179°39'E	KI	D	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/10/3	03°19'S	179°28'E	KI	D	2
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/10/5	02°07'S	178°57'E	KI	D	2
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/10/6	02°05'S	178°36'E	KI	D	1
CN	PS	JinLiaoYu no.77	Silky Shark(FAL)	2018/10/8	03—01S	178-56E	KI	D	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/10/8	02°39'S	178°03'E	KI	D	9

CN	PS	JinLiaoYu no.77	Silky Shark(FAL)	2018/12/2	07-45S	151-54E	PNG	AL	2
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/12/2	09°38'S	154°19'E	PNG	AL	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/12/12	09°11'S	154°57'E	PNG	D	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/12/13	08°57'S	154°42'E	PNG	D	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/12/14	08°33'S	154°32'E	PNG	D	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2019/1/17	02°27'S	168°09'E	KI	AL	3
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2019/2/24	04°35'N	176°46'E	KI	AL	2
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/17	02°51'S	175°58'E	KI	D	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/22	03°29'S	176°54'E	KI	D	1
CN	PS	JinLiaoYu no.57	Silky Shark(FAL)	2018/8/26	04°37'S	176°34'E	KI	D	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/6/25	02°30'S	159°22'E	PNG	D	5
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/6/28	02°11'S	166°48'E	NR	D-2.AL-11	13
CN	PS	JINHUI NO.6	Silky	2018/6/29	02°13'S	167°03'E	NR	D-1.AL-1	2

			Shark(FAL)						
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/6/30	01°58'S	167°46'E	NR	D-1.AL-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/1	01°30'S	170°11'E	KI	D-1.AL-3	4
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/2	01°37'S	171°05'E	KI	D-1.AL-4	5
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/3	03°16'S	172°32'E	KI	D	8
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/4	03°19'S	174°04'E	KI	AI	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/5	02°22'S	171°00'E	KI	D	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/6	01°26'S	170°25'E	KI	D	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/8	03°07'S	173°55'E	KI	D-2,AL-6	8
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/12	00°32'N	178°17'E	KI	AI	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/14	00°11'N	170°40'E	KI	AI-1,D-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/21	02°26'S	170°26'E	KI	AI-14,D-1	15
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/23	02°10'N	171°07'E	KI	AI-2,D-1	3

CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/7/31	00°53'N	171°18'E	KI	Al-3,D-12	15
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/1	00°19'N	170°14'E	KI	Al-1,D-4	5
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/2	00°08'N	169°39'E	KI	Al-2,D-1	3
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/3	01°00'N	170°23'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/5	01°21'N	170°16'E	KI	Al-1,D-5	6
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/6	00°59'N	170°37'E	KI	Al-9,D-7	16
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/7	01°18'N	168°59'E	KI	D	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/8	01°15'N	170°31'E	KI	D	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/9	00°53'N	170°33'E	KI	Al-7,D-22	29
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/10	01°04'N	169°42'E	KI	Al-1,D-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/17	01°00'N	176°41'E	KI	Al-4,D-4	8
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/19	02°26'S	171°40'E	KI	Al-1,D-1	2
CN	PS	JINHUI NO.6	Silky	2018/8/20	01°39'S	171°34'E	KI	D	1

			Shark(FAL)						
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/21	00°33'N	168°38'E	KI	Al-1,D-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/22	00°45'N	168°42'E	KI	Al-2,D-6	8
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/23	01°26'N	168°32'E	KI	Al	5
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/24	00°44'N	168°49'E	KI	Al	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/25	00°41'N	168°51'E	KI	Al-1,D-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/27	00°10'N	170°59'E	KI	Al-2,D-5	7
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/28	01°24'S	170°32'E	KI	Al-5,D-1	6
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/29	01°04'N	170°01'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/30	01°21'N	169°53'E	KI	Al-1,D-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/8/31	00°22'S	171°21'E	KI	Al-1,D-1	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/9/8	00°54'S	171°59'E	KI	Al-5,D-1	6
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/9/14	00°33'S	171°12'E	KI	Al-2,D-1	3

CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/9/15	01°02'S	172°04'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/9/17	00°03'N	170°52'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/9/18	00°28'N	169°58'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/9/19	01°05'S	170°42'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/10/4	01°57'S	170°00'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/10/5	01°59'S	171°17'E	KI	Al	2
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/10/6	02°06'S	170°19'E	KI	Al	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/10/27	02°01'S	170°54'E	KI	Al	1
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/11/29	03°58'S	175°11'E	KI	Al-2,D-1	3
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/12/20	01°15'S	172°51'E	KI	Al-2,D-1	3
CN	PS	JINHUI NO.6	Silky Shark(FAL)	2018/12/26	01°12'S	171°49'E	KI	Al-2,D-1	3
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/6/25	00°13'S	170°58'E	KI	D	1
CN	PS	JINHUI NO.7	Silky	2018/6/28	01°15'N	165°34'E	NR	Al	1

			Shark(FAL)						
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/6/29	01°02'S	165°31'E	NR	AL	1
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/6/30	02°38'S	166°12'E	NR	AL	2
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/7/2	01°57'S	170°19'E	KI	AL	7
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/7/3	01°48'S	169°43'E	KI	AL	10
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/7/13	02°55'S	178°28'E	KI	AL	12
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/8/1	01°22'S	171°12'E	KI	AL	4
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/8/3	00°23'S	171°42'E	KI	AL	2
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/12/8	05°16'S	173°09'E	KI	AL	1
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/12/14	01°54'S	173°14'E	KI	AL	2
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/12/23	02°54'S	179°23'E	KI	AL	8
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/12/26	02°59'S	179°05'E	KI	AL	8
CN	PS	JINHUI NO.7	Silky Shark(FAL)	2018/12/28	01°56'S	177°29'E	KI	AL	4

CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/3/24	04°30'N	172°06'E	MARSHALL	AL	1
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/4/6	02°07'S	169°32'E	KI	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/4/8	02°05'S	169°27'E	KI	AL	1
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/4/10	02°55'N	170°33'E	KI	AL	2
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/4/30	01°58'S	165°58'E	NAURA	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/1	01°50'S	164°05'E	NAURA	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/3	01°35'S	165°06'E	NAURA	AL	4
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/6	06°09'S	163°23'E	SOLOMON	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/7	06°12'S	163°11'E	SOLOMON	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/18	03°26'S	166°54'E	NAURA	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/19	01°46'S	164°36'E	NAURA	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/20	02°23'S	160°48'E	PAPUA	AL	5
CN	PS	JINHUI NO.8	Silky	2018/5/21	02°27'S	160°24'E	PAUPA	AL	6

			Shark(FAL)						
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/21	02°27'S	160°24'E	PAPUA	AL	6
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/22	02°16'S	156°36'E	PAPUA	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/23	01°25'S	152°39'E	PAPUA	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/5/30	02°37'S	159°05'E	PAPUA	AL	3
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/6/3	05°11'S	159°08'E	PAPUA	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/6/4	05°14'S	156°33'E	PAPUA	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/6/8	07°51'S	166°20'E	SOMOLON	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/10/3	04°06'N	171°56'E	KI	AL	2
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/10/8	04°50'S	173°02'E	TUVALU	AL	2
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/10/12	01°59'S	169°49'E	KI	AL	2
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/11/9	02°15'N	170°49'E	KI	AL	4
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/11/14	00°32'N	177°16'E	KI	AL	3

CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/12/14	10°42'S	171°34'E	SOMOLON	AL	5
CN	PS	JINHUI NO.8	Silky Shark(FAL)	2018/12/17	08°16'S	176°32'E	TUVALU	AL	4
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/14	03°31'N	171°13'E	KI	AL	1
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/15	02°15'N	169°50'E	KI	AL	1
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/17	01°37'S	168°23'E	KI	AL	4
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/18	01°33'N	168°47'E	KI	AL	2
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/19	02°47'N	171°40'E	KI	AL	5
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/21	02°10'S	168°02'E	NAURA	AL	2
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/21	02°10'S	168°02'E	NAURA	AL	2
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/22	02°20'S	168°02'E	NAURA	AL	5
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/24	02°37'S	168°40'E	NAURA	AL	8
CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/28	02°08'S	167°56'E	NAURA	AL	7

CN	PS	JINHUI NO.9	Silky Shark(FAL)	2018/12/30	02°04'S	168°24'E	KI	AL	5
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/3/21	03°32'N	174°59'E	KI	D	3
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/3/24	04°20'N	173°00'E	KI	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/4/5	02°56'S	169°25'E	KI	AL	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/5/3	00°46'S	172°11'E	KI	D	3
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/5/4	02°30'N	171°49'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/5/15	00°35'S	172°33'E	KI	D	7
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/5/25	00°17'N	171°43'E	KI	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/5/31	00°30'S	171°23'E	KI	D	4
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/6/5	00°00'S	170°03'E	KI	D	5
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/6/9	00°25'N	169°438'E	KI	D	3
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/6/12	01°24'N	171°43'E	KI	D	5

CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/6/19	00°05'N	167°38'E	NAURS	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/6/28	00°01'N	175°46'E	KI	D	4
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/6/29	01°44'S	179°14'E	KI	D	6
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/7/8	03°03'N	175°15'E	KI	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/7/12	01°38'S	173°28'E	KI	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/7/16	02°34'S	173°42'E	KI	D	5
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/7/17	03°22'S	173°49'E	KI	D	4
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/7/28	03°52'S	170°39'E	KI	D	6
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/1	00°05'N	169°52'E	KI	D	5
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/4	00°29'N	169°56'E	KI	D	3
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/15	02°40'N	174°33'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/22	00°51'N	174°54'E	KI	D	6

CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/23	01°49'N	175°10'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/24	01°45'N	175°04'E	KI	D	4
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/27	01°43'N	175°41'E	KI	D	4
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/8/30	02°53'S	172°47'E	KI	D	4
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/9/11	01°39'N	171°00'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/9/15	00°03'N	171°15'E	KI	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/9/16	00°35'N	170°53'E	KI	D	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/9/20	00°44'S	170°47'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/9/26	01°14'N	169°54'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/9/27	00°55'N	168°55'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/10/7	00°51'S	171°35'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/10/16	00°17'S	170°55'E	KI	D	1

CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/10/26	00°59'N	170°00'E	KI	D	1
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/12/6	01°17'N	175°21'E	KI	AL	2
CN	PS	JINHUI NO.18	Silky Shark(FAL)	2018/12/22	01°34'S	171°05'E	KI	AL	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/6/8	01°08'S	171°13'E	KI	D	4
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/6/19	00°21'N	170°11'E	KI	D	5
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/6/21	00°10'N	170°11'E	KI	D	10
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/7/1	01°38'S	170°57'E	KI	D	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/7/19	03°10'S	168°12'E	KI	D	6
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/7/27	00°58'N	170°47'E	KI	D	4
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/7/30	03°28'S	169°33'E	KI	D	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/8/6	02°05'N	174°35'E	KI	D	5
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/8/31	01°48'N	170°05'E	KI	AL	6

CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/1	00°55'N	170°21'E	KI	AL	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/5	03°35'N	176°12'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/10	00°23'S	171°40'E	KI	AL	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/11	00°09'N	171°55'E	KI	AL	22
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/12	00°00'S	171°24'E	KI	AL	5
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/13	00°00'N	171°08'E	KI	AL	1
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/14	00°12'N	171°21'E	KI	AL	5
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/16	01°22'N	170°49'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/18	01°44'N	169°49'E	KI	D	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/19	00°14'N	169°49'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/20	00°13'S	170°17'E	KI	AL	6
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/22	00°05'S	170°21'E	KI	AL	2

CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/9/30	00°23'N	170°07'E	KI	AL	5
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/1	02°55'S	172°12'E	KI	AL	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/2	01°04'S	170°54'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/5	00°05'S	169°56'E	KI	AL	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/6	00°29'S	171°35'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/9	01°38'S	171°17'E	KI	AL	5
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/10	01°49'S	171°31'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/13	00°31'N	171°10'E	KI	AL	4
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/14	00°16'S	170°51'E	KI	AL	3
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/16	01°46'N	170°01'E	KI	AL	7
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/10/21	02°00'S	171°26'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/11/4	00°22'N	178°52'E	KI	AL	2

CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/11/5	00°10'N	178°46'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/11/8	00°36'N	177°21'E	KI	AL	1
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/11/11	00°43'N	176°48'E	KI	AL	1
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/11/24	00°04'S	164°30'E	NAURA	AL	4
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/5	01°52'N	174°20'E	KI	AL	8
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/22	01°01'S	178°26'E	KI	AL	2
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/24	00°40'S	171°20'E	KI	AL	1
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/26	02°25'S	168°32'E	KI	AL	8
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/27	02°04'S	170°46'E	KI	AL	4
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/28	02°22'S	169°44'E	KI	AL	6
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/29	01°45'S	169°59'E	KI	AL	1
CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/30	01°05'S	171°402'E	KI	AL	11

CN	PS	JINHUI NO.58	Silky Shark(FAL)	2018/12/31	00°28'N	171°53'E	KI	AL-18,D-4	22
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/3	02°54'N	171°40'E	KI	AL	1
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/6	01°21'S	170°38'E	KI	AL	2
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/9	02°58'S	173°54'E	KI	AL	6
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/11	04°56'S	173°45'E	TV	AL	4
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/12	04°48'S	173°43'E	TV	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/25	04°08'S	153°03'E	FSM	AL	7
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/1/26	04°01'S	153°10'E	FSM	AL	5
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/2/22	01°14'S	156°55'E	PNG	AL	13
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/2/24	01°11'S	156°30'E	PNG	AL	5
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/3/3	00°34'N	169°05'E	KI	AL	4
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/3/6	00°27'N	169°12'E	KI	AL	7

CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/3/11	00°05'S	168°30'E	KI	AL	7
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/3/14	00°19'S	168°06'E	NR	AL	4
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/3/28	00°50'N	167°18'E	NR	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/3/30	00°41'N	167°15'E	NR	AL	5
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/4/10	06°03'N	176°03'E	HUGH	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/4/21	01°42'N	169°01'E	KI	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/5/18	06°24'S	160°47'E	SOMOLON	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/5/19	04°29'S	160°58'E	PNG	AL	11
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/5/20	02°47'S	160°47'E	PNG	AL	4
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/6/6	02°32'S	169°04'E	KI	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/6/7	02°41'S	169°00'E	KI	AL	4
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/6/15	03°59'N	177°13'E	HIGH	AL	5

CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/6/24	03°51'S	173°19'E	KI	AL	3
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/6/26	01°48'S	168°58'E	KI	AL	5
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/6/30	02°14'S	169°09'E	KI	AL	5
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/7/2	03°05'S	169°28'E	KI	AL	6
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/7/3	02°57'S	169°20'E	KI	AL	19
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/7/4	02°06'S	168°51'E	KI	AL	12
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/7/5	02°31'S	168°59'E	KI	AL	4
CN	PS	ZHONGTAI NO.1	Silky Shark(FAL)	2018/5/12	01°17'N	166°53'E	NR	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/10	05°36'S	174°25'E	TV	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/2/22	01°10'N	166°41'E	NR	AL-5,D-3	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/11	00°03'S	168°27'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/8	03°09'S	170°40'E	NR	AL	1

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/6	03°08'S	170°19'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/7	02°02'S	169°10'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/4	03°40'S	175°18'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/6	03°39'S	174°30'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/7	04°11'S	175°10'E	TV	AL-5,D-1	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/9	05°03'S	174°20'E	TV	AL-4,D-4	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/13	05°40'S	174°03'E	TV	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/14	06°22'S	174°09'E	TV	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/22	03°42'N	152°25'E	FSM	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/28	03°56'N	153°10'E	FSM	AL	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/2/19	00°44'N	166°36'E	NR	AL	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/2/21	02°36'N	166°47'E	MH	AL	1

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/6	02°16'N	163°44'E	FSM	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/7	02°25'N	163°23'E	FSM	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/8	02°05'N	162°46'E	FSM	AL-21,D-4	25
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/9	02°12'N	162°49'E	FSM	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/10	02°12'N	162°52'E	FSM	AL-5,D-5	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/12	00°15'S	168°08'E	NR	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/15	00°06'S	168°15'E	NR	AL	4
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/15	00°18'S	168°48'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/16	00°09'S	168°07'E	NR	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/16	00°11'S	168°08'E	NR	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/17	00°19'S	167°28'E	NR	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/6	02°15'S	169°14'E	KI	AL-8,D-2	10

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/8	01°10'N	171°02'E	KI	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/19	01°21'S	168°24'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/20	01°34'N	170°15'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/24	03°19'S	158°13'E	PNG	AL-6,D-2	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/25	03°33'S	156°53'E	PNG	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/26	03°30'S	157°09'E	PNG	AL-3,D-15	18
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/27	03°08'S	158°17'E	PNG	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/28	03°14'S	158°08'E	PNG	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/30	03°33'S	158°34'E	PNG	AL	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/1	03°01'S	157°36'E	PNG	AL-2,D-2	4
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/2	02°45'S	159°01'E	PNG	AL-2,D-4	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/3	02°46'S	158°40'E	PNG	AL-4,D-4	8

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/19	00°30'N	171°01'E	KI	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/23	02°47'N	167°08'E	NR	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/25	02°43'S	168°32'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/26	02°49'S	168°27'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/5/28	00°19'N	167°37'E	NR	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/2	02°18'S	166°14'E	NR	AL	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/3	03°12'S	166°17'E	NR	AL-2,D-4	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/4	02°15'S	168°29'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/5	02°13'S	168°39'E	KI	AL-26,D-4	30
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/7	02°47'S	168°44'E	KI	AL-9,D-6	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/8	02°58'S	170°48'E	KI	AL-4,D-1	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/19	04°10'N	177°59'E	HIGH	AL	3

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/24	00°21'N	171°16'E	KI	AL-30,D-10	40
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/26	02°51'S	168°21'E	NR	AL-2,D-4	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/27	01°12'S	167°09'E	NR	AL-11,D-4	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/4	02°56'S	169°17'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/5	02°01'S	169°48'E	NR	AL-4,D-11	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/8	02°38'S	169°34'E	KI	AL-10,D-92	102
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/25	01°27'S	172°13'E	KI	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/26	02°14'S	171°57'E	KI	AL	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/28	02°34'S	171°33'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/30	02°47'S	172°05'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/31	02°01'S	171°43'E	KI	AL-5,D-10	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/1	01°03'S	171°29'E	KI	AL-7,D-6	13

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/2	03°06'S	170°38'E	KI	AL-10,D-11	21
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/3	03°00'S	170°34'E	KI	AL-19,D-4	23
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/4	02°12'S	171°08'E	KI	AL-9,D-7	16
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/5	02°56'S	170°00'E	KI	AL	4
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/6	01°11'S	171°23'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/7	02°20'S	170°51'E	KI	AL	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/8	01°36'S	171°08'E	KI	AL-4,D-4	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/16	01°08'S	171°51'E	KI	AL-5,D-3	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/17	02°31'S	169°58'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/21	00°37'N	170°52'E	KI	AL-18,D-2	20
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/22	00°40'S	172°47'E	KI	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/25	03°30'S	170°41'E	KI	AL-3,D-2	5

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/26	02°32'S	170°34'E	KI	AL-4,D-4	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/27	03°22'S	169°00'E	KI	AL	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/29	03°27'S	170°42'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/1	03°11'S	170°25'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/3	00°38'S	170°38'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/4	01°42'S	170°25'E	KI	AL-5,D-6	11
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/5	02°01'S	172°56'E	KI	AL	4
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/6	01°57'S	172°47'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/7	01°41'S	172°36'E	KI	AL-5,D-7	13
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/8	01°55'S	172°32'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/10	01°10'S	171°55'E	KI	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/20	02°31'S	173°19'E	KI	AL	2

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/21	03°42'S	174°21'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/22	01°32'S	170°55'E	KI	AL	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/23	01°37'S	170°36'E	KI	AL-3,D-4	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/25	01°56'S	170°58'E	KI	AL-1,D-1	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/26	01°50'S	170°56'E	KI	AL-20,D-10	30
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/27	03°48'S	173°44'E	KI	AL-1,D-6	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/29	02°05'S	171°03'E	KI	AL-7,D-18	25
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/30	02°12'S	171°02'E	KI	AL-2,D-5	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/9	01°20'S	170°29'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/10	02°26'S	171°15'E	KI	AL-5,D-2	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/13	01°47'S	171°00'E	KI	AL-3,D-3	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/14	02°01'S	170°48'E	KI	AL-10,D-10	20

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/17	03°49'S	170°18'E	KI	AL-2,D-6	8
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/27	06°03'N	176°11'E	HIGH	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/10	02°45'N	176°05'E	KI	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/16	00°34'S	172°21'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/17	01°24'S	171°20'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/19	02°03'S	170°53'E	KI	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/20	02°41'S	171°01'E	KI	AL	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/27	03°29'S	174°32'E	KI	AL-1,D-2	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/11	04°55'S	175°37'E	TUVALU	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/14	05°02'S	174°38'E	TUVALU	AL	4
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/15	05°28'S	173°34'E	TUVALU	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/20	08°49'S	164°19'E	SOMOLON	AL	6

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/24	08°50'S	163°44'E	SOMOLON	AL-3,D-12	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/25	05°04'S	162°44'E	SOMOLON	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/26	05°23'S	162°57'E	SOMOLON	AL-3,D-10	13
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/28	02°20'S	170°19'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/2	02°42'S	170°38'E	KI	AL-2,D-3	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/18	01°53'S	170°57'E	KI	AL	6
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/8/23	00°43'N	170°39'E	KI	AL	11
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/15	01°49'S	173°15'E	KI	AL-11,D-2	13
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/1	02°35'S	172°34'E	KI	AL	1
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/6/20	02°45'N	178°30'E	HIGH	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/3	03°05'S	169°22'E	KI	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/27	01°44'S	171°08'E	KI	AL-1,D-1	2

CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/9	02°54'S	172°48'E	KI	AL-7,D-8	15
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/28	01°53'S	170°59'E	KI	AL	3
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/11/25	02°58'S	172°59'E	KI	AL	4
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/12/12	01°49'S	170°39'E	KI	AL-4,D-6	10
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/4/13	02°27'S	169°15'E	KI	AL	2
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/3/14	00°38'S	168°03'E	NR	AL-20,D-5	25
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/7/29	03°10'S	171°17'E	KI	AL	7
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/1/3	04°01'S	175°58'E	KI	AL	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/9/2	02°42'S	170°38'E	KI	AL-2,D-3	5
CN	PS	ZHONGTAI NO.3	Silky Shark(FAL)	2018/10/18	02°07'S	172°51'E	KI	AL	1

Table 15 Sea turtle interactions in purse seine for national fleet

Flag	Gear	Vessel Name	Species	Date	Latitude	Longitude	EEZ	Life Status(Dead/Alive)	Number of Individuals
CN	PS	XIANGFA 8	Green turtle	18/4/4	01°22'S	168°22'E	KIRIBATI	Al	2
CN	PS	XIANGFA 8	Hawksbill turtle	18/8/38	02°22'N	166°32'E	NAURA	Al	1
CN	PS	XIANGFA 8	Hawksbill turtle	18/3/16	01°21'S	166°49'E	NAURA	Al	1
CN	PS	XIANGFA 8	Green turtle	18/3/14	01°08'S	167°03'E	NAURA	Al	1
CN	PS	XIANGFA 8	Green turtle	18/3/22	01°59'S	167°26'E	NAURA	Al	1
CN	PS	XIANGFA 8	Loggerhead turtle	18/3/15	01°27'S	167°01'E	NAURA	Al	1
CN	PS	JINHUI NO.7	Olive ridley turtle(LKV)	2018/12/26	02°59'S	179°05'E	KI	AL	1
CN	PS	JINHUI NO.9	Platback turtle(FBT)	2018/11/26	02°10'S	173°16'E	KI	Al	1
CN	PS	ZHONGTAI NO.1	Green turtle	2018/5/12	01°17'N	166°53'E	NAURA	Al	1
CN	PS	ZHONGTAI NO.1	Green turtle	2018/1/29	04°35'N	153°08'E	FSM	Al	1
CN	PS	ZHONGTAI NO.3	Green turtle	2018/11/8	03°27'N	175°49'E	KI	Al	1

CN	PS	ZHONGTAI NO.1	Loggerhead turtle	18/9/23	01°37'S	170°36'E	KI	Al	1
CN	PS	ZHONG TAI NO.3	Olive ridley turtle(LKV)	2018/1/22	04°09'N	153°24'E	FSM	AL	1
CN	PS	ZHONGTAI NO.3	Green turtle	2018/8/23	00°43'N	170°39'E	KI	Al	5
CN	PS	ZHONGTAI NO.3	Green turtle	2018/10/15	01°49'S	173°15'E	KI	Al	1
CN	PS	ZHONGTAI NO.3	Loggerhead turtle	18/1/1	02°35'S	172°34'E	KI	Al	1
CN	PS	ZHONG TAI NO.3	Olive ridley turtle(LKV)	2018/10/12	01°49'S	170°28'E	KI	AL	1