


Managing Data Validation & Verification

Tuna Data Workshop 2024

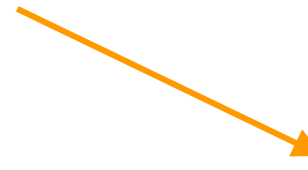
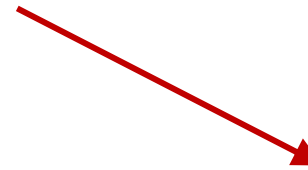
Outline

- Current situation (TUFMAN2 errors)
- Consequences of validation & verification delays
- Where/How to start with data validation
- Validation: Common errors and possible resolutions
- SPC actions

Validation vs Verification

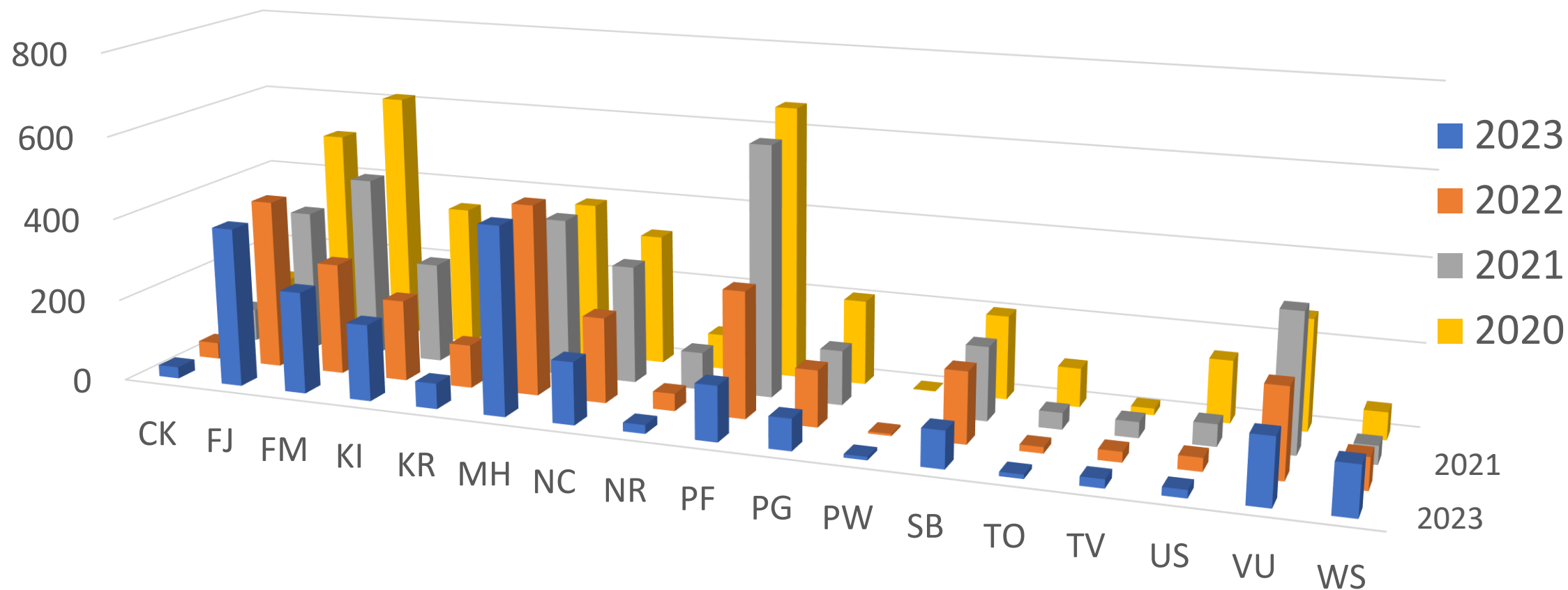
- **VALIDATION:** resolution of data entry errors in T2. Countries are best to validate
- **VERIFICATION:** checking a trip entered by another country
- **GOAL:** all data is validated and verified 
- Only Thumbs up trips are used for your reporting eg ACEs

					OCEAN TRINITY	VU
					CHUNG KUO 888	VU
					CHUNG KUO 666	VU
					YUH FA 66	VU
					FORTUNA 1	VU
					FORTUNA NO.12	VU
					ZHONG SHUI 712	CN
					ZHONG SHUI 605	CN
					SUNSHINE 89	FJ
					YUH FA 88	VU

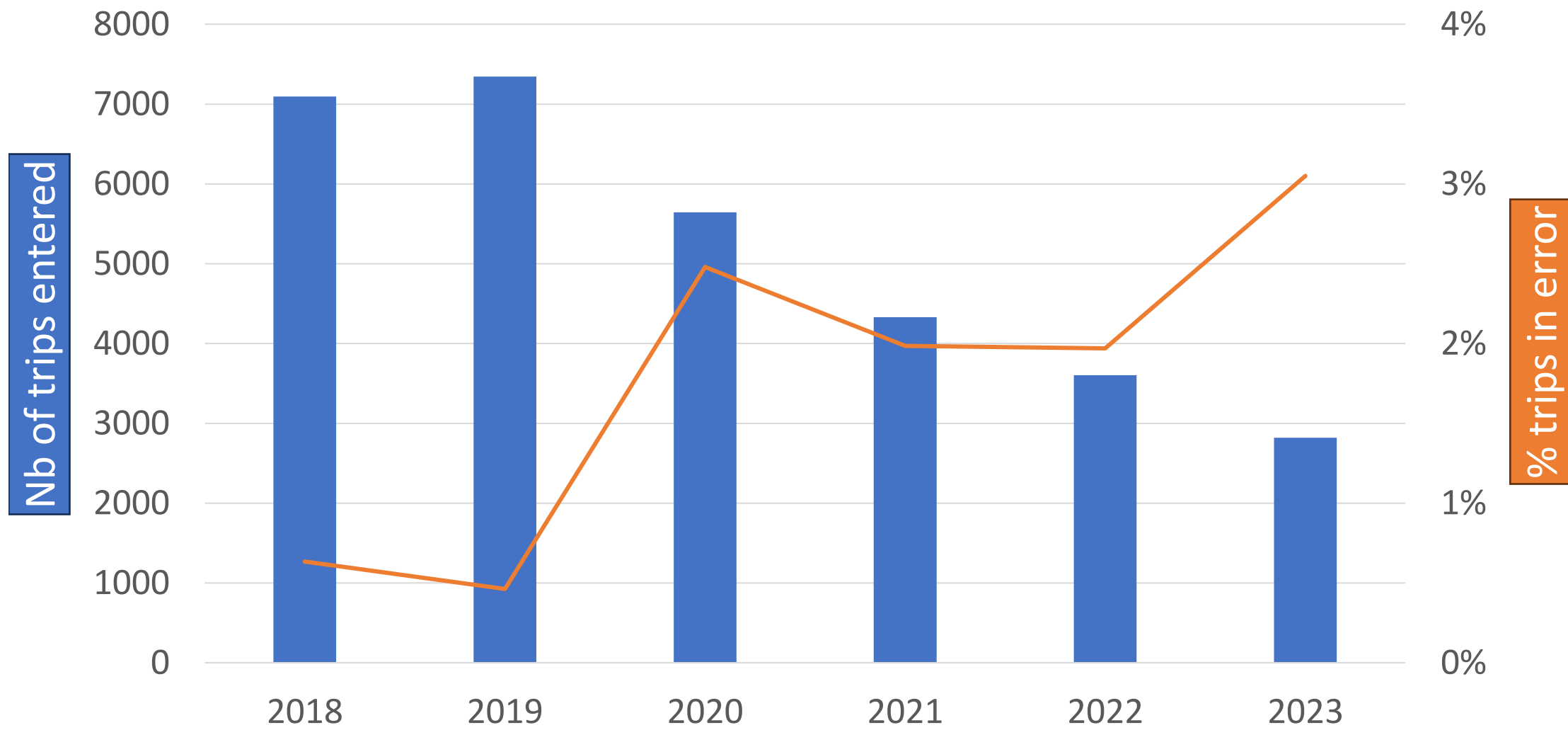


Current situation

Trips entered under T2 by PICT vessel flag



Current situation – Invalid trips (LL & PS)



Validation & Verification delays

Consequences

- Trips not accounted for in estimations
- Data sharing on hold



Validation

Where to start - Error fixing guide

tinyurl.com/TDW2024

TUFMAN 2 most detected types of errors/warning - Proposed resolution – v2.0

1. TRIP LEVEL

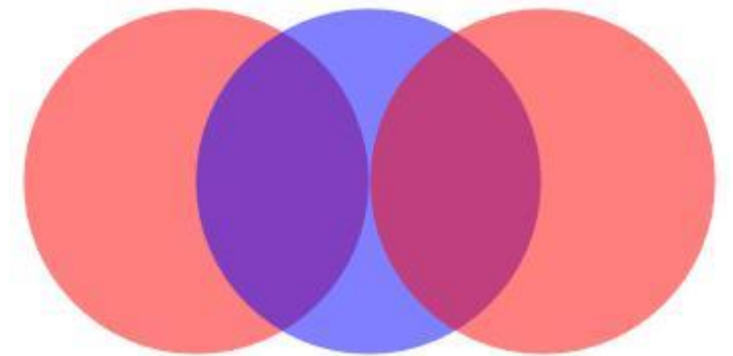
Type check	Description	Resolutions/Comments	More instructions
Error	There is no activity entered for that trip (empty trip)	No activity has been entered , the trip is empty. You should either enter attached trip scan activities , or delete the trip if there was really no activity during this trip. Before deleting the trip, please check with the person who registered the trip/the country whether they have the scan and are planning to enter the trip any time.	
Error	Logsheet catch total (for a specific species) does not match the totals entered for all sets (NB: discard are not counted in the totals)	For the mentioned species, you will need to check for each set, that the proper fish numbers have been entered. The “catch total” is used as a control check to ensure all retained catch data at the set level have been properly entered.	
Error	Port name mismatch (depart or return). The entered port name doesn't correspond to any reference known port	T2 has a reference list of ports recorded in the system. You should ensure that the port entered is part of this list (you can see with intellisense when you type). If the port you need to enter is not in the system, please send a SLACK message in the DATAREGISTRY-REQUEST channel, asking if this new port can be create under T2.	
Error	No port selected (required) - Depart or return port	If no port is indicated on the logsheet , you can check with T2 map the approximate location (depart or return), in order to find out which port it should be.	

Overall strategy

- **Check for obvious errors** (wrong digit in a lat/long or a hemisphere issue)
- **Compare** to other data sources
- **Ask the fishing company** for some precisions
- **Force Valid(Only Admin)** if you think it is true data – **last option**

Common Errors => **OVERLAPPING LOGSHEET / DUP TRIP**

- Trip just registered, saved => overlapping/duplicate with another
- Check in the trip list if your trip is already in the system
- Delete your trip header if it's the case
- Split trip- T2 Actions tab
- Get back to SPC if the issue is wider (several countries involved)



Common Errors => **TRIP WITH NO ACTIVITIES = EMPTY**

- Trip needs to be fully entered when registered
- Important to attach the scan
- Resolution: enter the trip
- SPC can help with entry
 - Let us know (slack) that you have entered the header of a trip and you want us to enter it (scan attached to the trip)
 - Or you can send the scan to SPC for data entry help – <https://ofpdatareception.spc.int>



Common Errors => **MISSING DAYS**

- **Each distinct day** between the start and return date should be indicated
- **Check on the scan** and add the missing days if listed
- If not, **add fake missing days**:
 - with an activity set to “2-SEARCHING”
 - With coordinates copied from previous/next day
- Alternative: CTRL+ALT+F => adds missing day

MISSING

MISSING DAYS => Trip incomplete

Log date	Activity	Latitude	Longitude	School	Start time	End time	Wells	EEZ	
04 Jun 2020	2 Searching							PH	
05 Jun 2020	2 Searching							PH	
05 Jun 2020	1 Fishing set			5 Anchored raft, F	04:15	06:50		PH	
06 Jun 2020	2 Searching							PH	
06 Jun 2020	1 Fishing set			5 Anchored raft, F	04:15	05:50		PH	
08 Jun 2020	2 Searching							PH	
09 Jun 2020	2 Searching							PH	
09 Jun 2020	1 Fishing set			5 Anchored raft, F	04:15	06:55		PH	
10 Jun 2020	1 Fishing set			5 Anchored raft, F	04:15	06:10		PH	
11 Jun 2020	2 Searching							PH	
12 Jun 2020	2 Searching							PH	
13 Jun 2020	2 Searching							PH	
13 Jun 2020	1 Fishing set			5 Anchored raft, F	04:15	06:40		PH	
14 Jun 2020	1 Fishing set			5 Anchored raft, F	04:15	07:30		PH	
07 Jun 2052	2 Searching							PH	
08 Jun 2052	1 Fishing set			5 Anchored raft, F	04:15	06:00		PH	

7th is missing

Warnings and errors

Summary	
	Activity date is after last log date of trip
	Activity date is after last log date of trip
	Days missing: 1
	Incorrect size class
	Incorrect size class

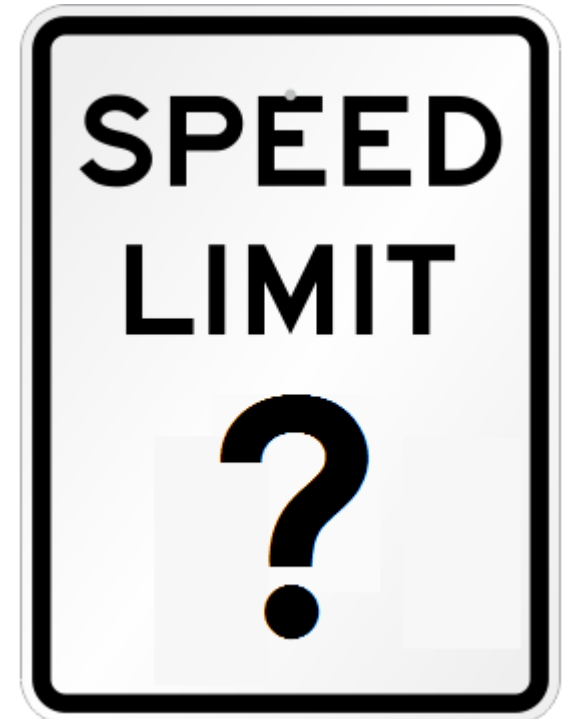
Common Errors => **DUPLICATE ACTIVITIES**

- Check that the duplicate is exactly the same (especially for a set)
- **Delete the dup activity** if it's really duplicate

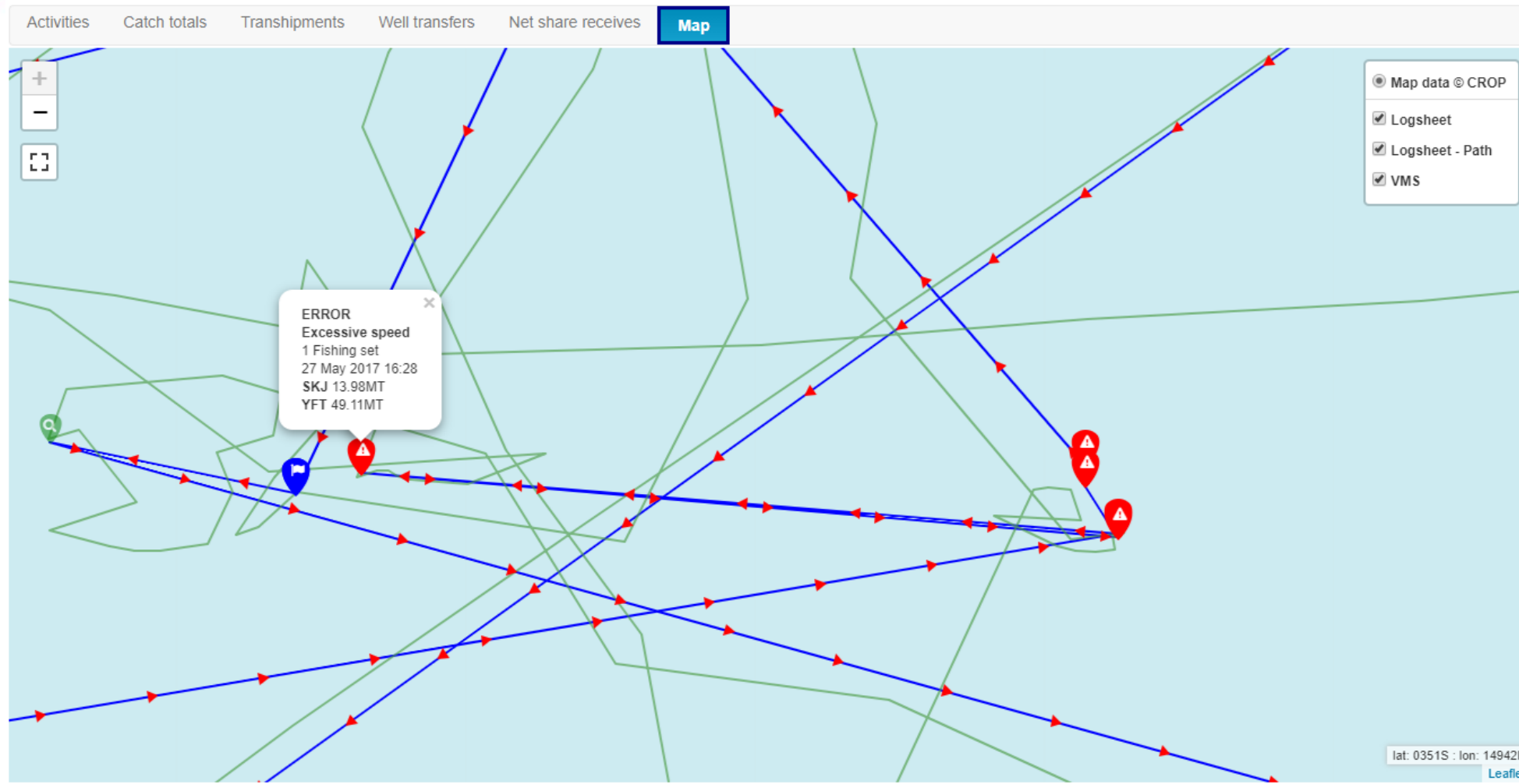


Common Errors => **EXCESSIVE SPEED**

- Check for obvious wrong digit in LAT / LON or a hemisphere issue
- Check the scan
- If still wrong, check the map tab- VMS overlay



EXCESSIVE SPEED => obvious wrong position on map



Validation

- SPC fixing trips invalid for 2 month
(recommendation from TDW17)
- Error fixing guide
- Few countries are on auto-verification
mode => T2 does it automatically



Video tutorials

- Videos have been produced on DQCs

https://www.youtube.com/playlist?list=PL9HQiiX6UMqRsD2VjbM6Q8hwBV1aJ1_RC



CONCLUSION

- **Entry + Validation + Verification**
- **Try & fix** most obvious errors as a priority
- **SPC validation** after 2 month
- Attaching the **scan** => important



Suggestion: 1 day / week dedicated to validation/verification



Pacific
Community
Communauté
du Pacifique

Thank You

Any questions?

