

Figure 1: Key for 10 * 20 degrees square areas (Japan)

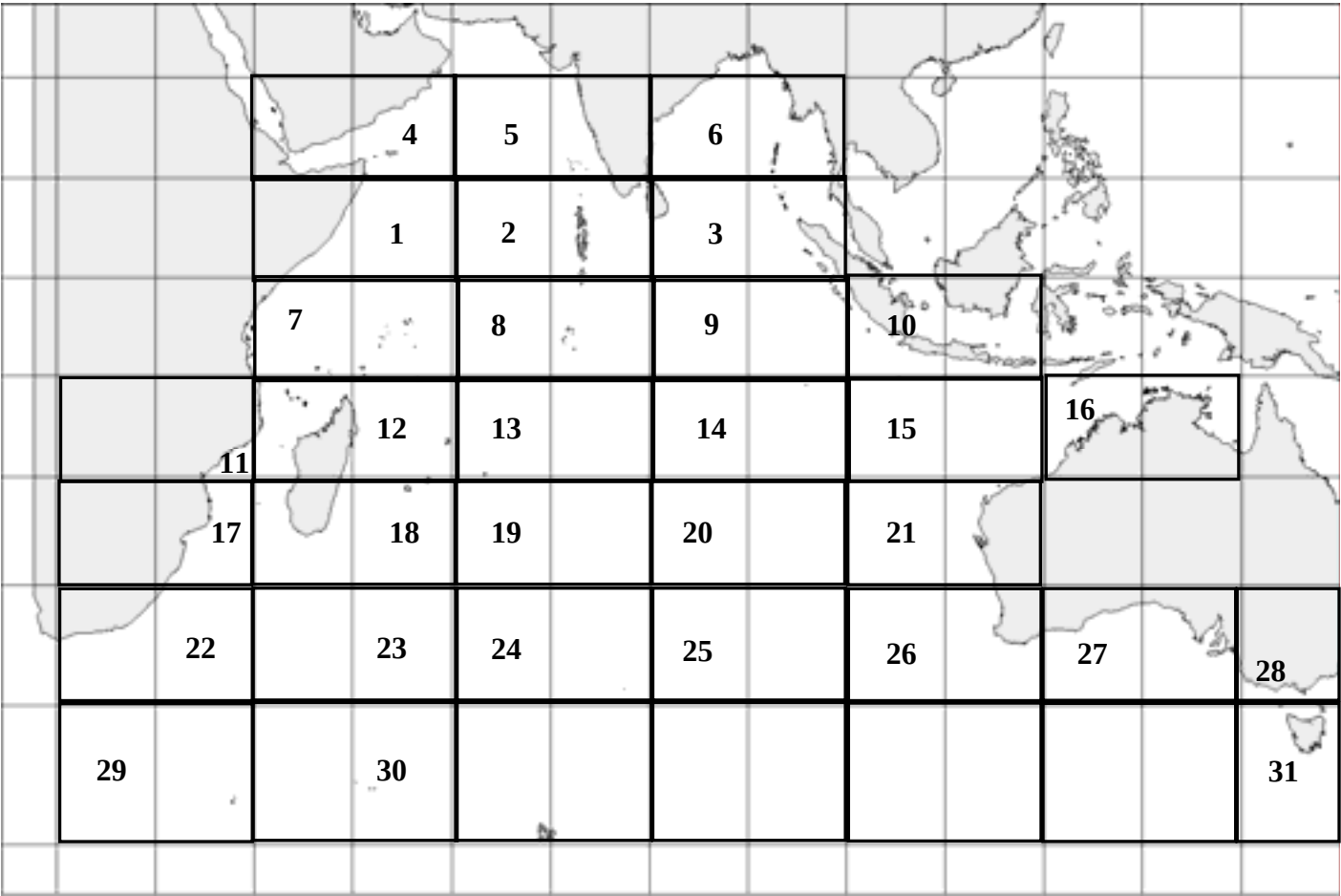
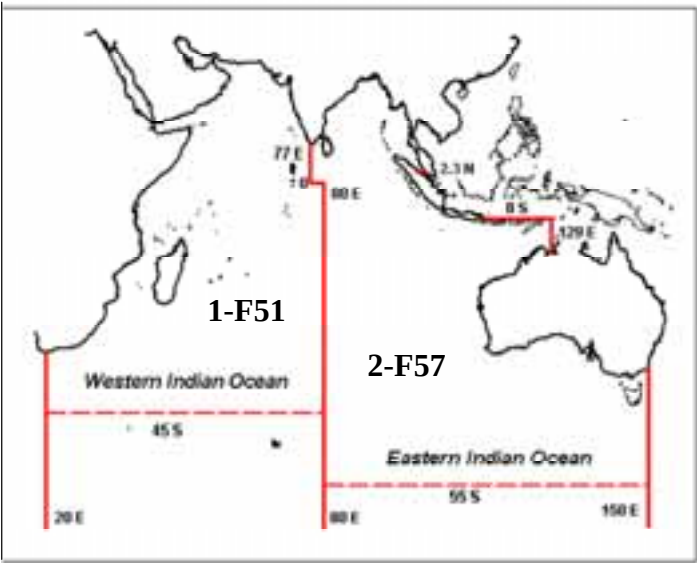


Figure 2: Key for IOTC areas (Taiwan,China)



Availability of size frequency data for yellowfin tuna and bigeye tuna from major longline fleets operating in the Indian Ocean

IOTC Secretariat

Summary

The charts in the following pages indicate the extent of size frequency data available in the IOTC database by area, year and quarter for Japan and Taiwan, China longliners that operated in the Indian Ocean during 1956-2003. “Good” data are considered to be those derived from mid-high to very high catches where the proportion of fish sampled is greater than 10%. The amount of “good” size data held at IOTC is relatively small and it is patchy over space and time; furthermore, the level of sampling conducted on the catches of the major fleets has been declining over the last decade.

Key for number of fish caught

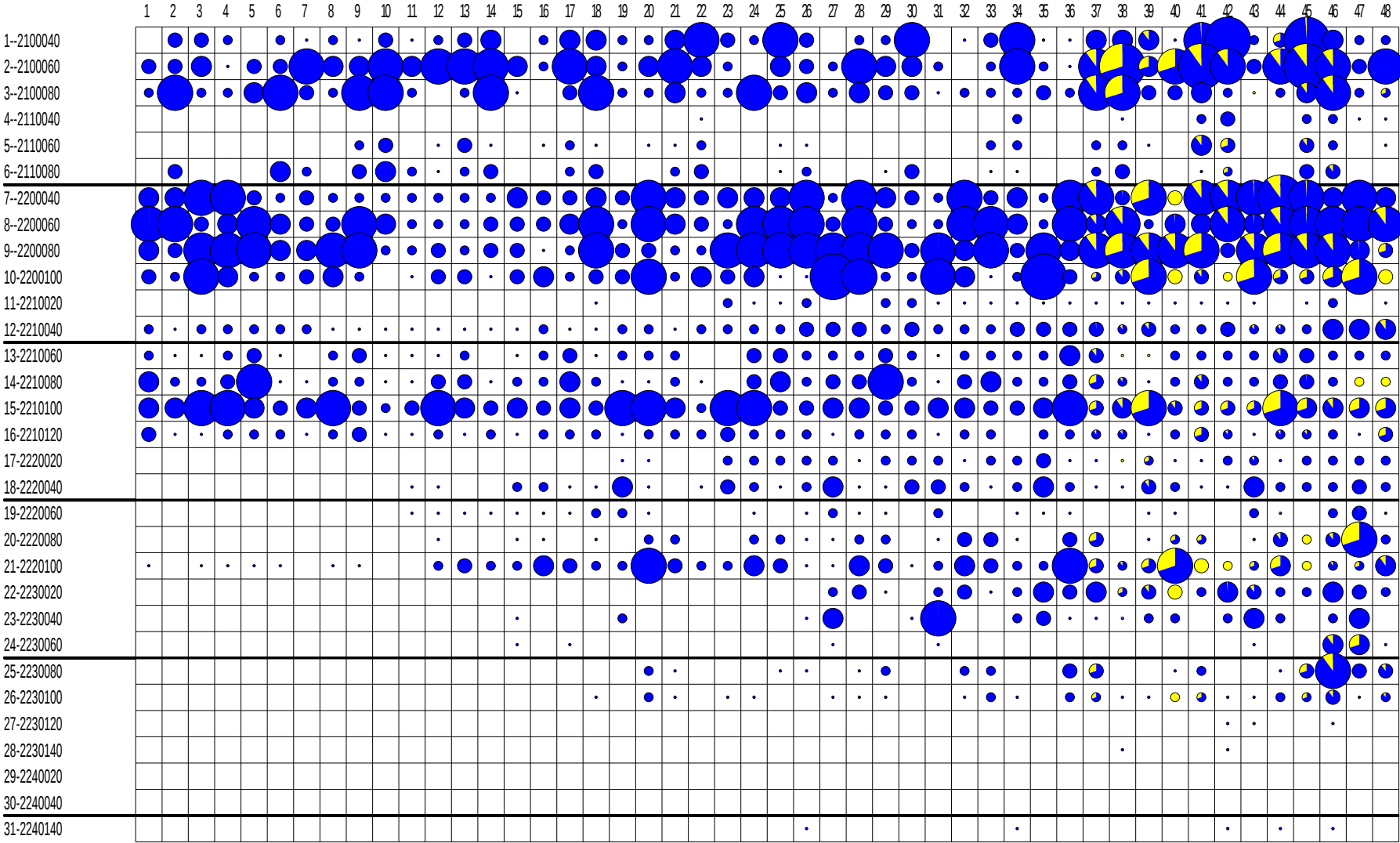
- . Very low catch: Less than 200 fish caught
- Low catch: Between 200 and 2000 fish caught
- Mid-low catch: Between 2000 and 5000 fish caught
- Mid-high catch: Between 5000 and 10000 fish caught
- High catch: Between 10000 and 30000 fish caught
- Very high catch: More than 30000 fish caught

Key for number (proportion) of fish sampled

- None: No fish sampled
- Very poor: Less than 1% of fish sampled
- Poor: Between 1% and 10% of fish sampled
- Fair: Between 10% and 30% of fish sampled
- Good: More than 30% of fish sampled

Figure 1: Proportion of bigeye tuna for which size data are available per quarter per 10 * 20 degrees area (1956-1967)

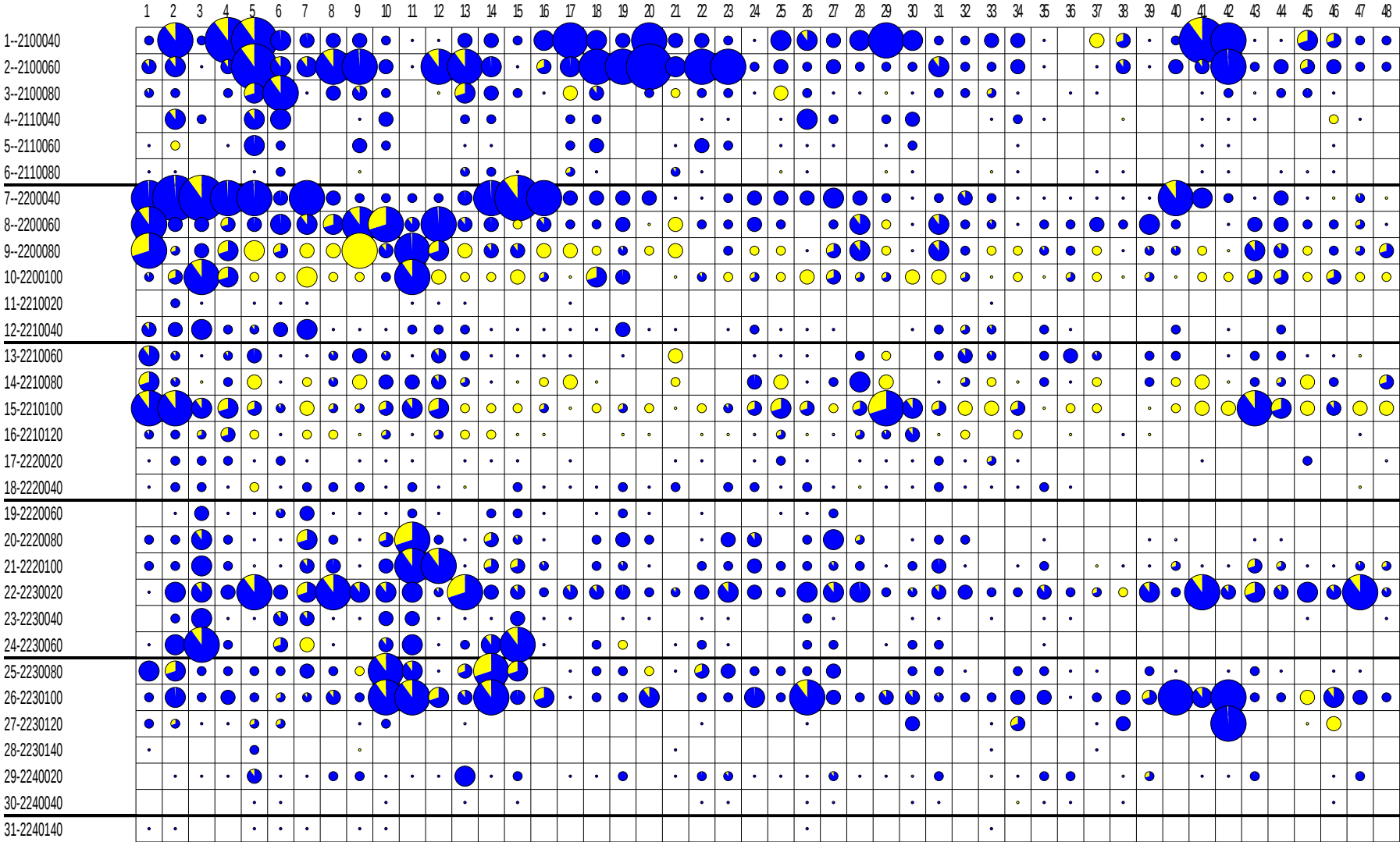
LONGLINE FLEET JAPAN



S NS 1000

1956-1967 (Quarter) BET

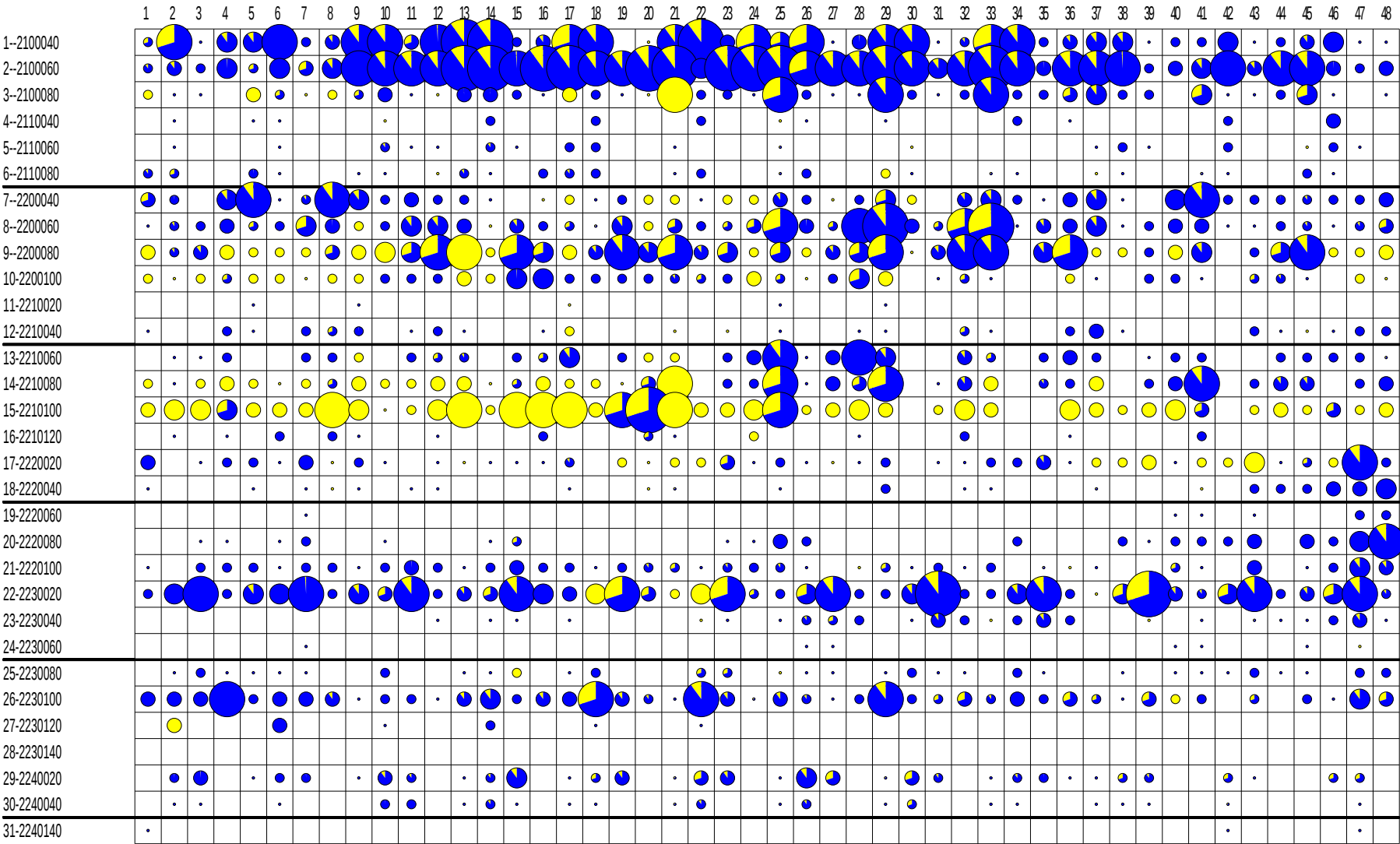
Figure 2: Proportion of bigeye tuna for which size data are available per quarter per 10 * 20 degrees area (1968-1979) LONGLINE FLEET JAPAN



S NS 1000

1968-1979 (Quarter) BET

Figure 3: Proportion of bigeye tuna for which size data are available per quarter per 10 * 20 degrees area (1980-1991) LONGLINE FLEET JAPAN



1980-1991 (Quarter) BET

S NS 10000

Figure 4: Proportion of bigeye tuna for which size data are available per quarter per 10 * 20 degrees area (1992-2003) LONGLINE FLEET JAPAN

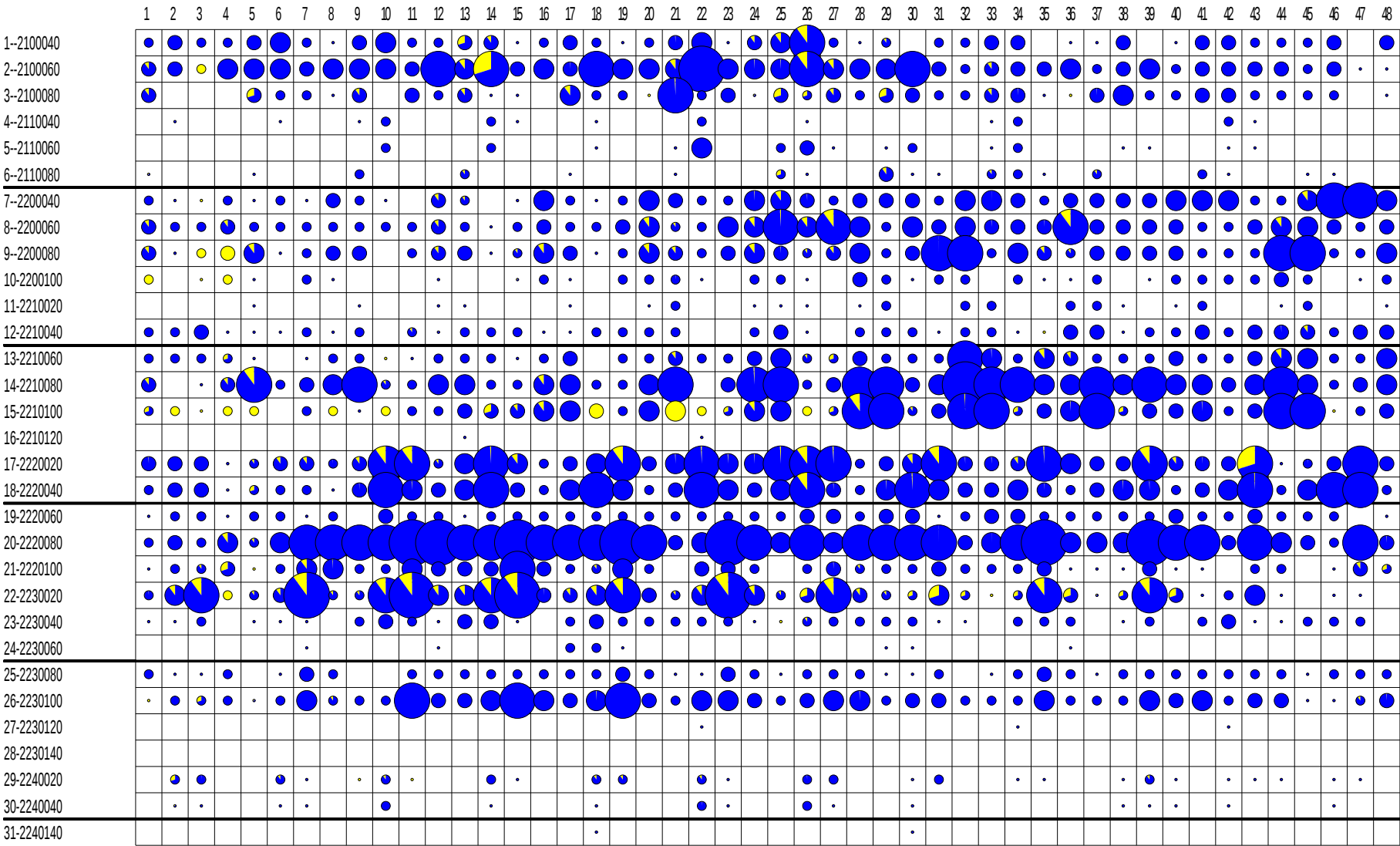
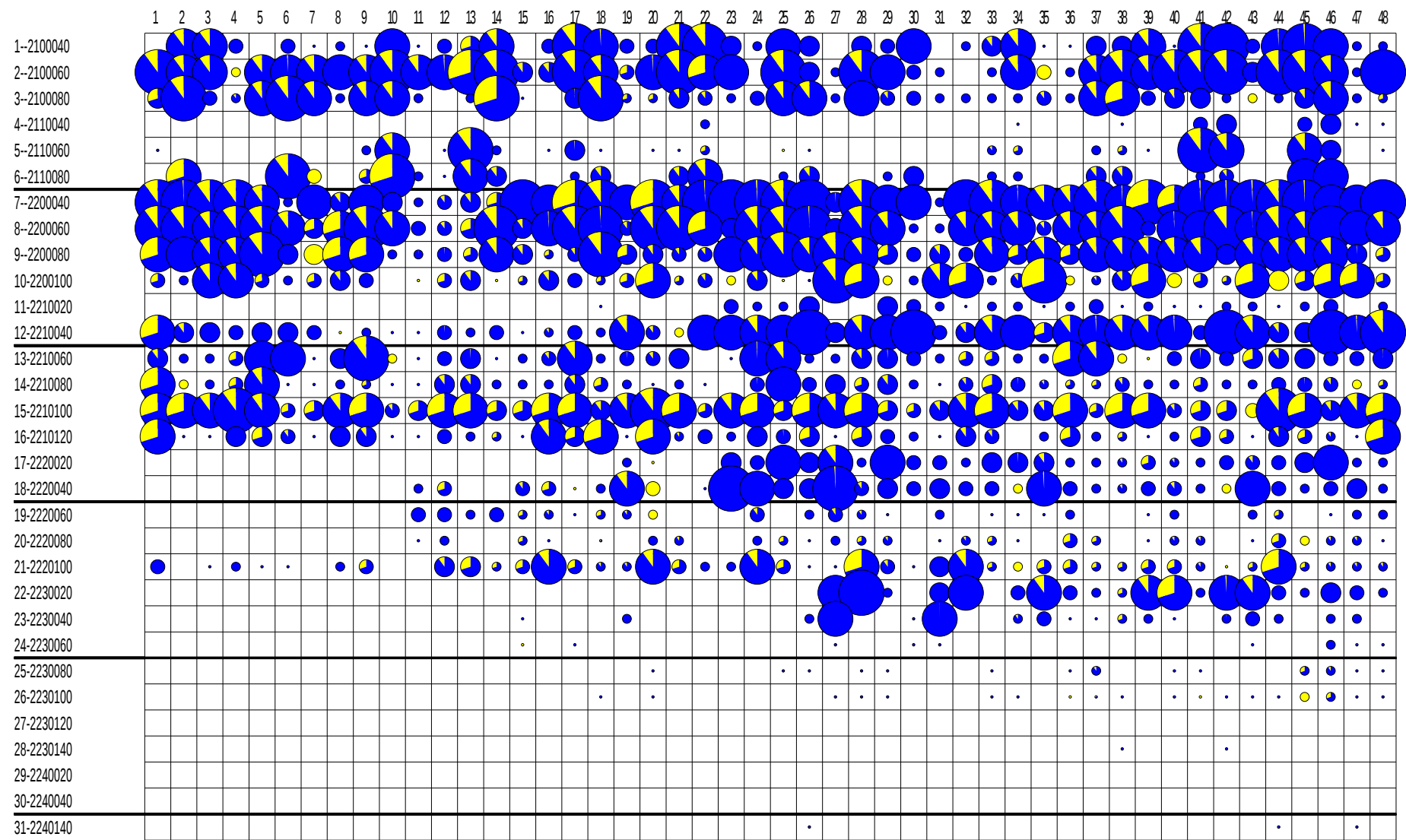


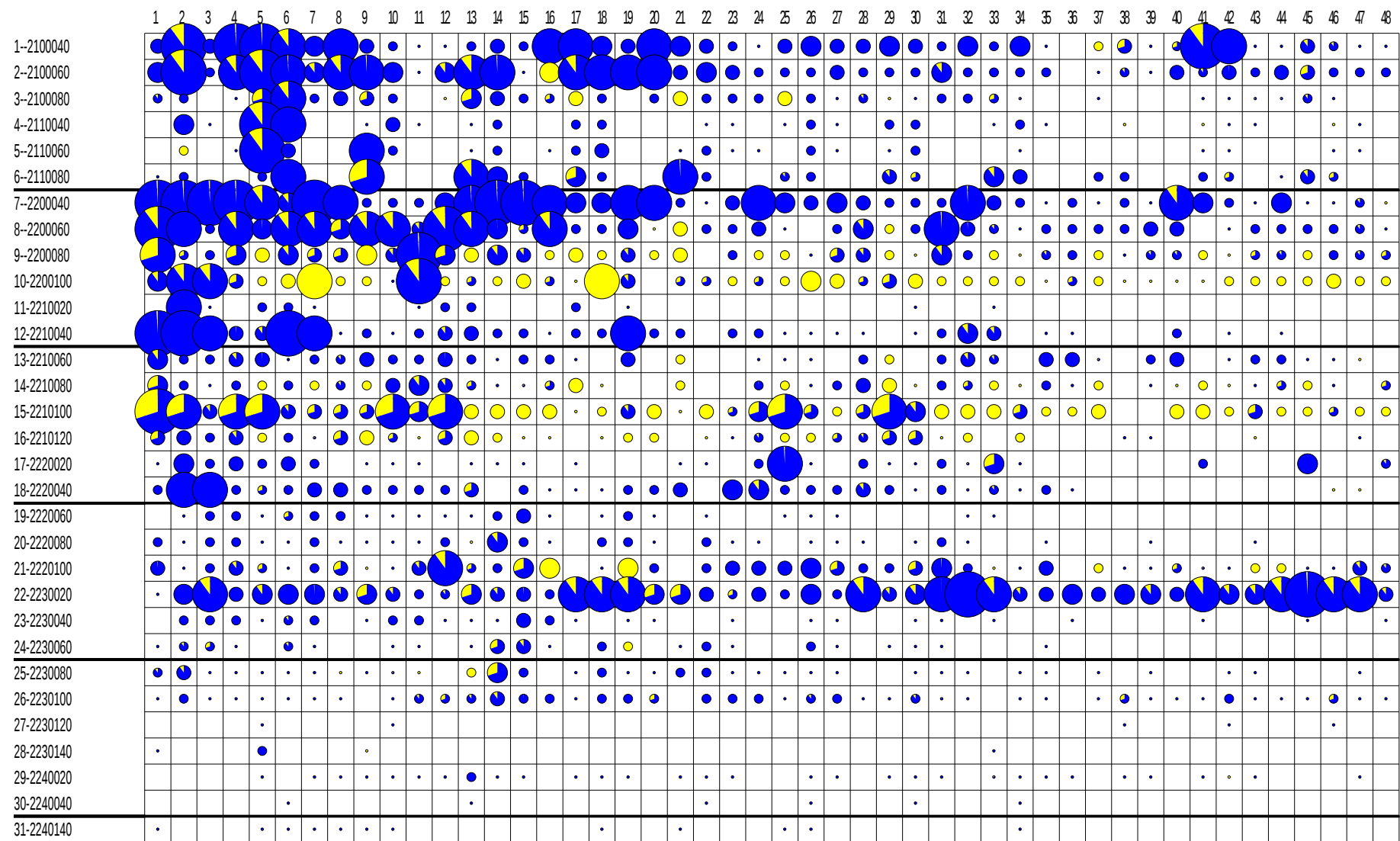
Figure 5: Proportion of yellowfin tuna for which size data are available per quarter per 10 * 20 degrees area (1956-1967) LONGLINE FLEET JAPAN



S NS 10000

1956-1967 (Quarter) YFT

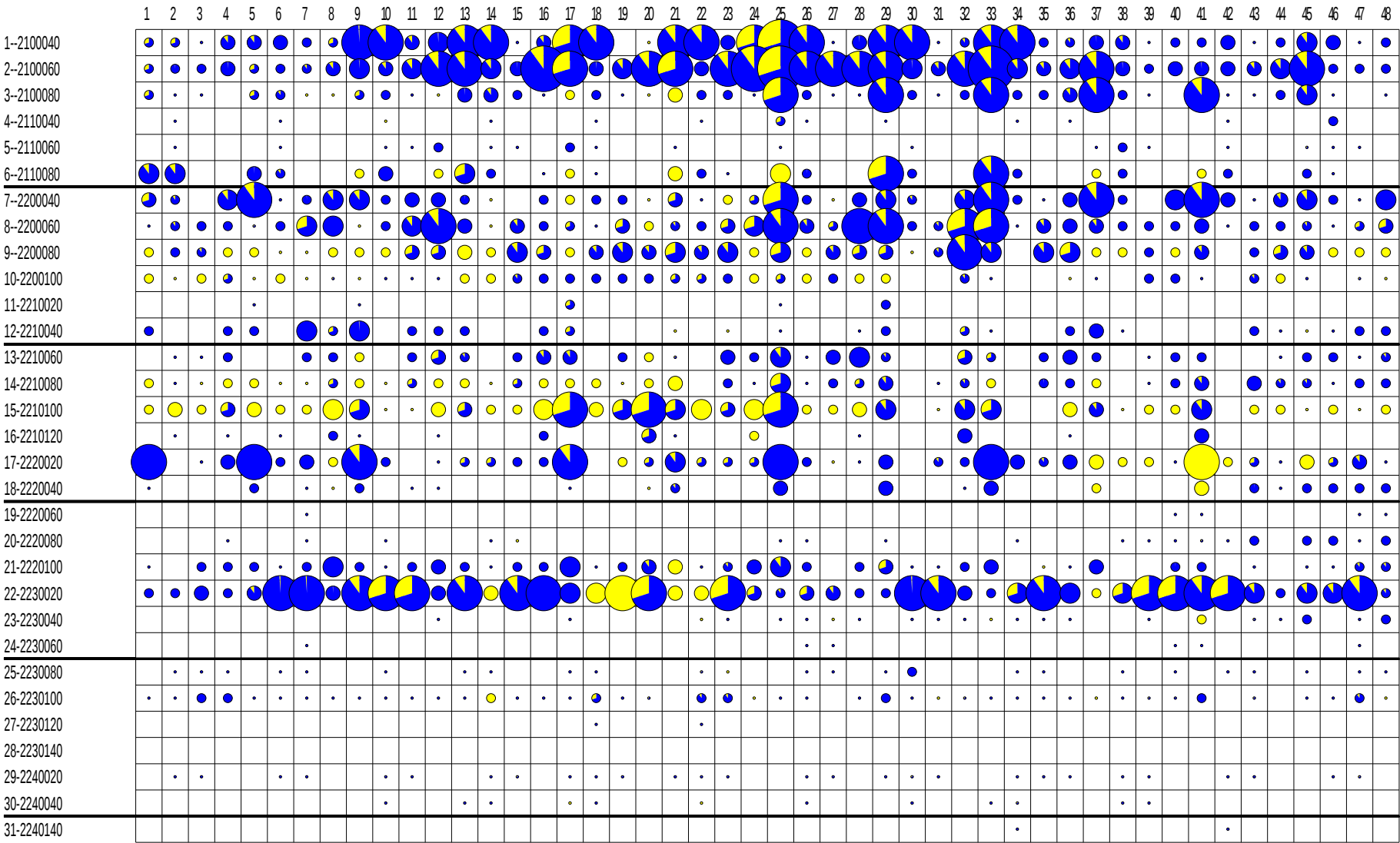
Figure 6: Proportion of yellowfin tuna for which size data are available per quarter per 10 * 20 degrees area (1968-1979) LONGLINE FLEET JAPAN



S NS 10000

1968-1979 (Quarter) YFT

Figure 7: Proportion of yellowfin tuna for which size data are available per quarter per 10 * 20 degrees area (1980-1991) LONGLINE FLEET JAPAN



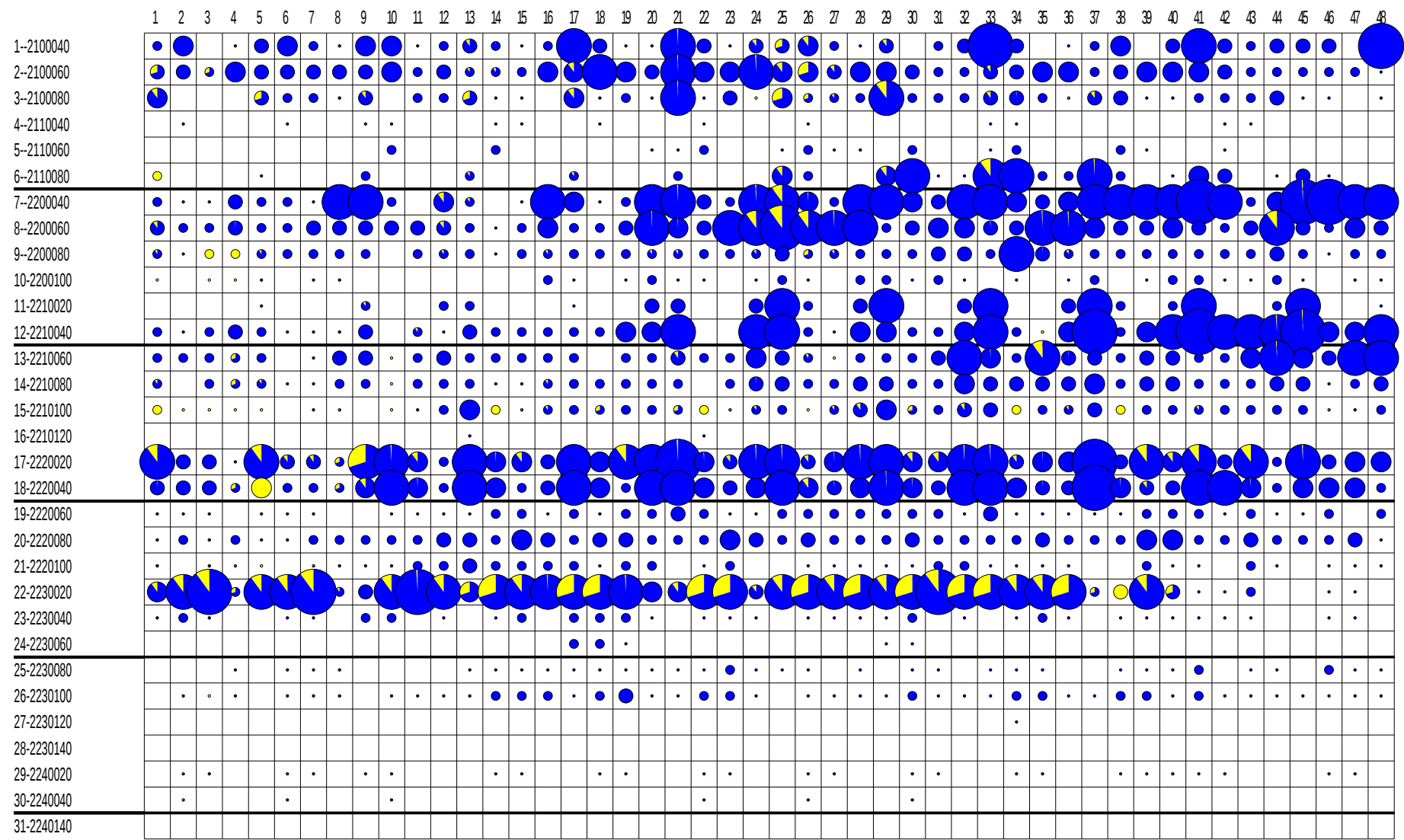
S

NS

10000

1980-1991 (Quarter) YFT

Figure 8: Proportion of yellowfin tuna for which size data are available per quarter per 10 * 20 degrees area (1992-2003) LONGLINE FLEET JAPAN



S NS 10000

1992-2003 (Quarter) YFT

Figure 9: Proportion of bigeye tuna for which size data are available per quarter per IOTC Area

LONGLINE FLEET
TAIWAN,CHINA

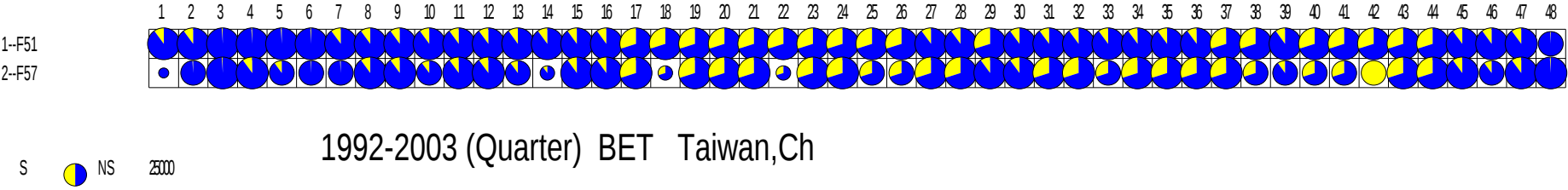
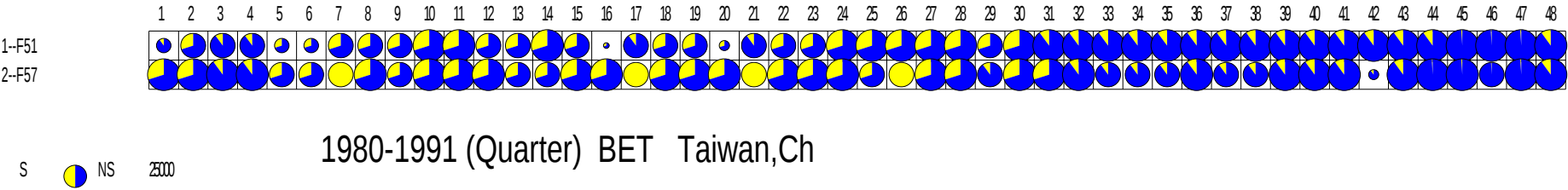
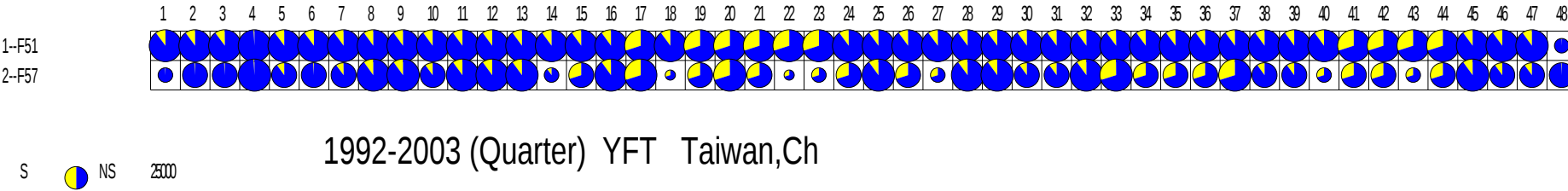
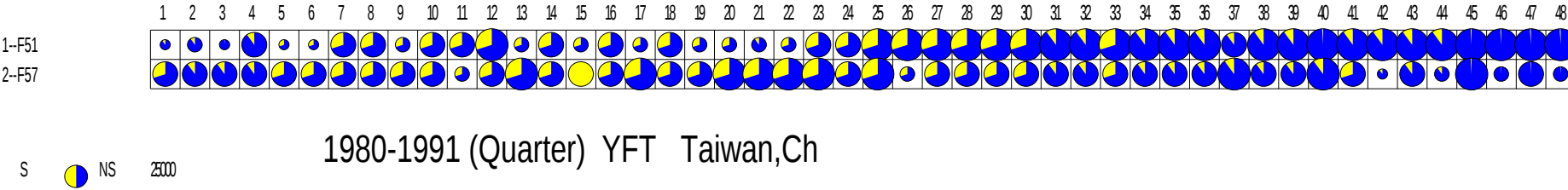


Figure 10: Proportion of yellowfin tuna for which size data are available per quarter per IOTC Area

LONGLINE FLEET
TAIWAN,CHINA



NOTE: No size data are available for 1954-1979 from longliners of Taiwan,China