

OBSERVER DATA ANALYSIS WORK GROUP

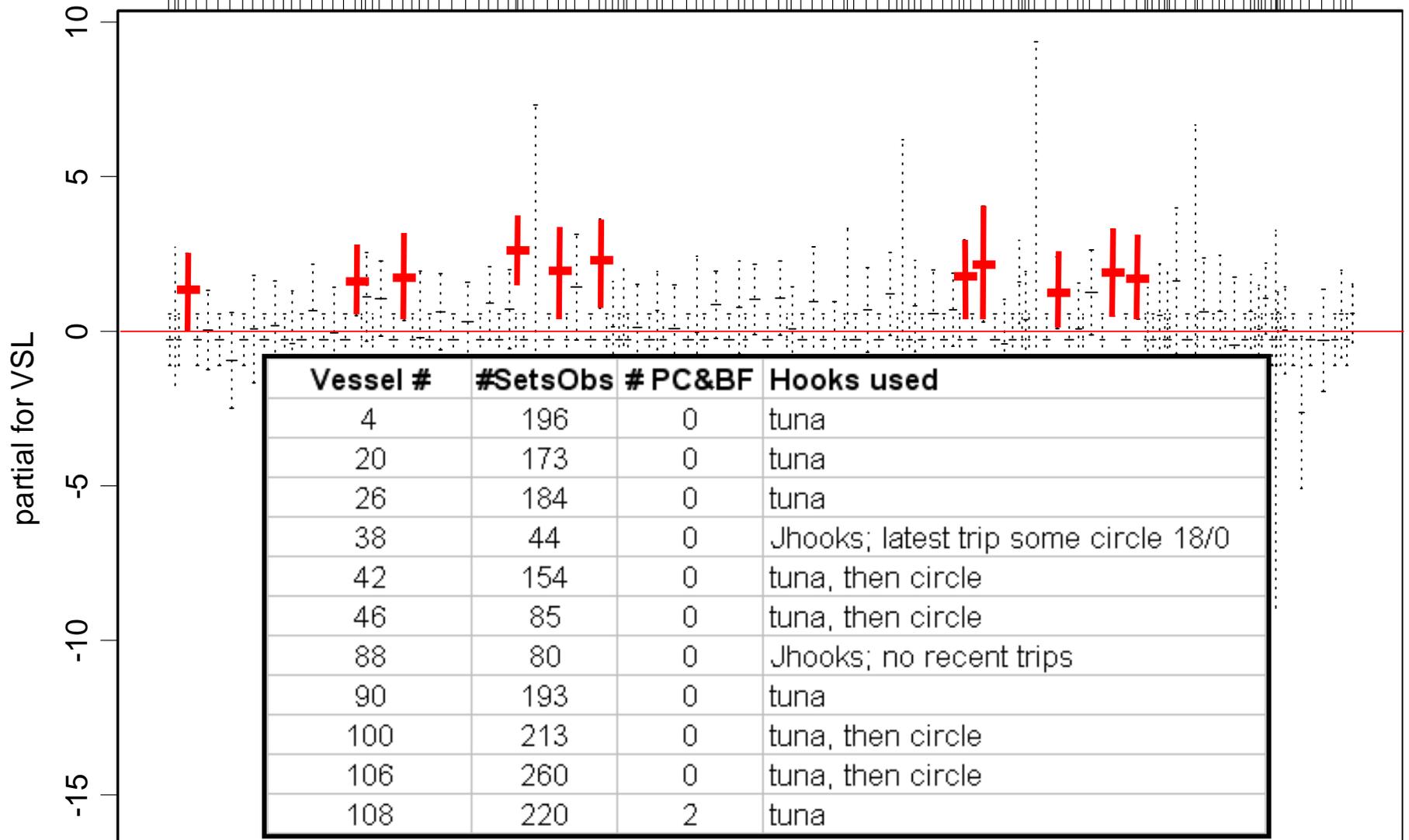
New analyses since last work group call

- Individual vessel effects
- Distance traveled vs. repeat depredation
- Distribution of inter-set times (to examine split sets)
- Plots of depredation and false killer whale / blackfish sightings on observed longline trips (*Michael Marsik*)

Individual Vessel Effects

Generalized Additive Model including:

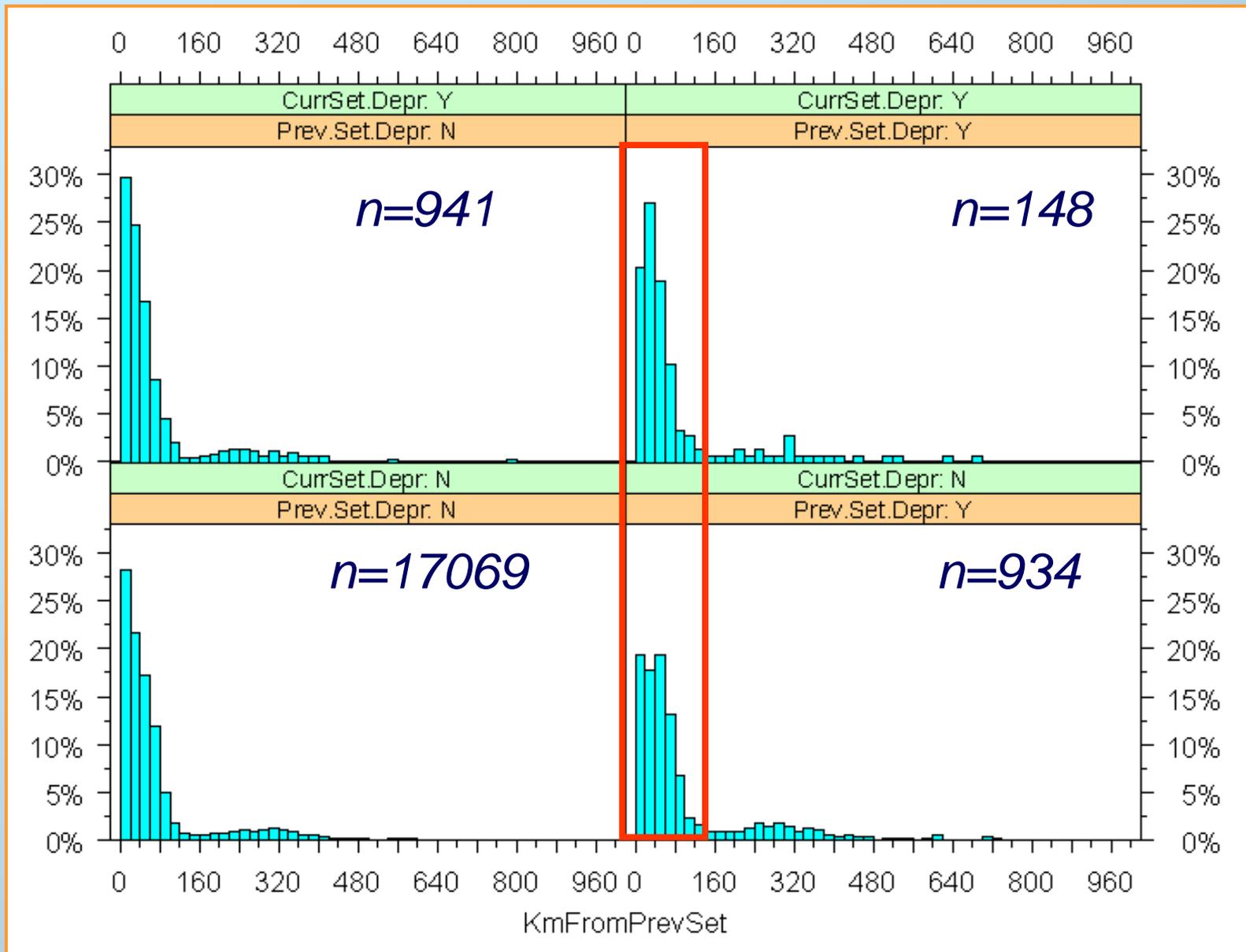
lat, long, year, month, # hooks, soak time, total catch, water depth, slope



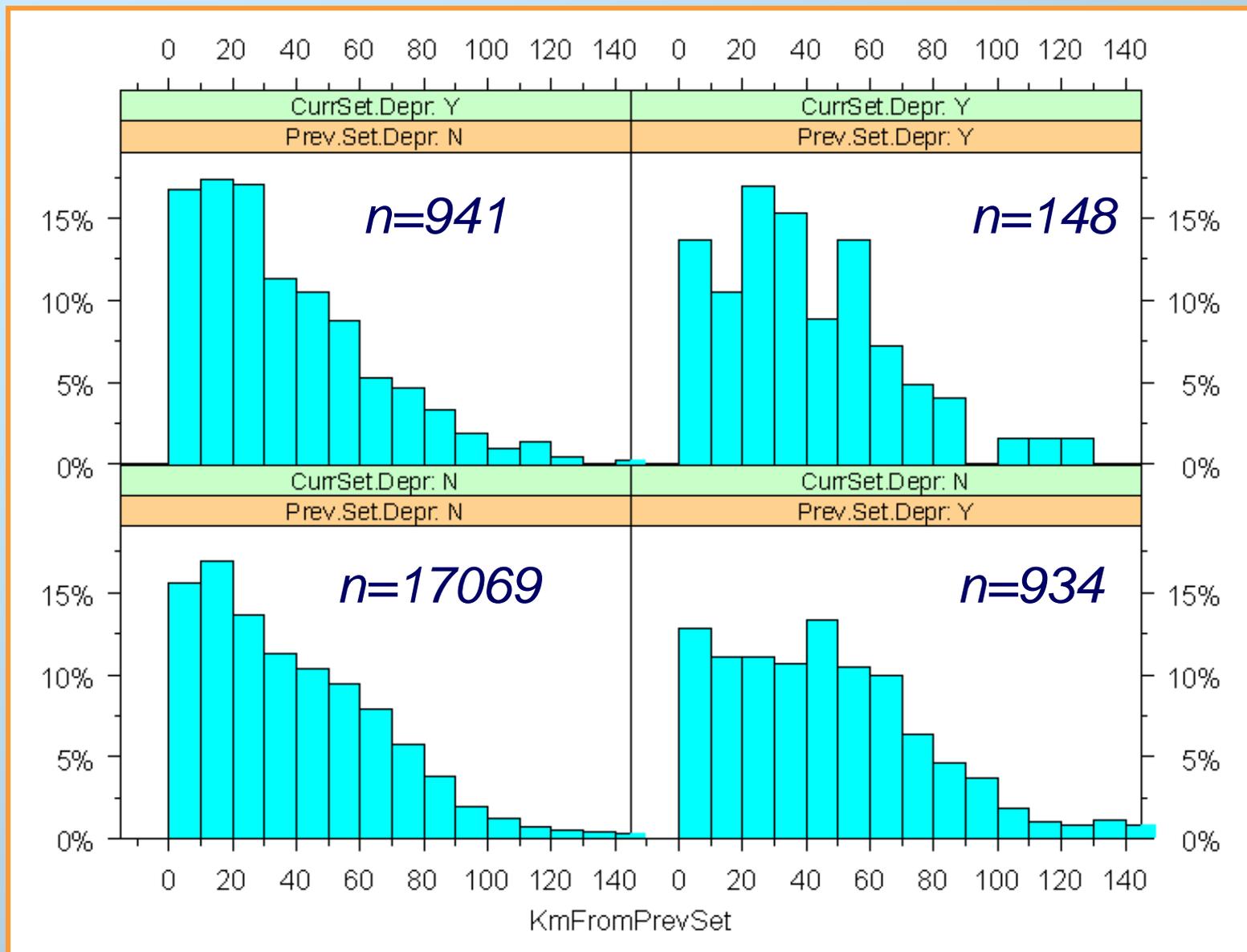
Distance traveled (km) vs. repeat depredation

<i>Km between sets</i>		<u>Previous Set</u>	
<u>Current Set</u>		No Depr	Depr
Depr	n	941	148
	Average	74	89
	Median	34	44
	StdDev	118	126
	Min	0	0
	Max	974	686
No Depr	n	17069	934
	Average	80	102
	Median	40	52
	StdDev	124	135
	Min	0	1
	Max	1629	926

Distance traveled (km) vs. repeat depredation

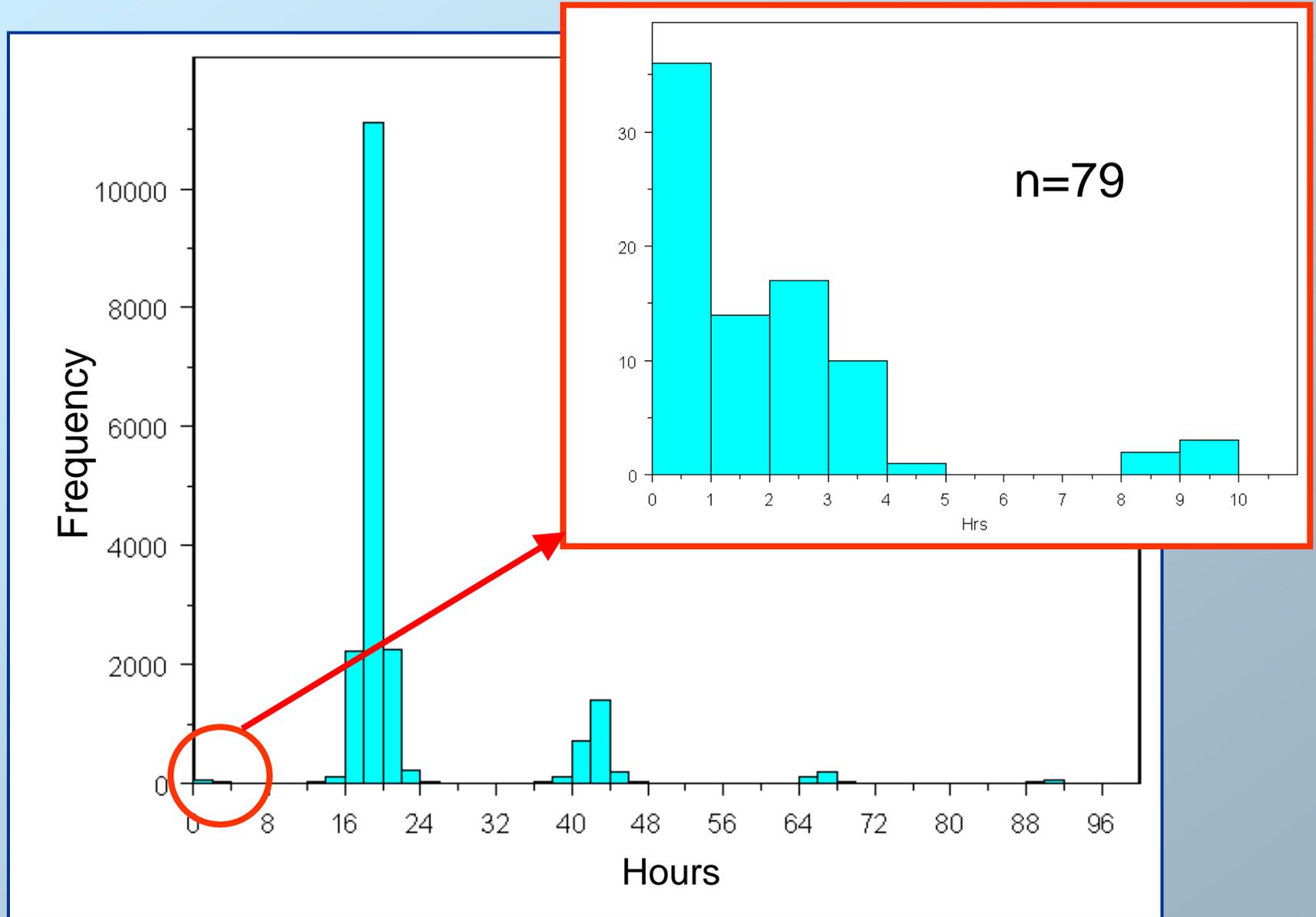


Distance traveled (km) vs. repeat depredation (for distances < 150km to show detail)



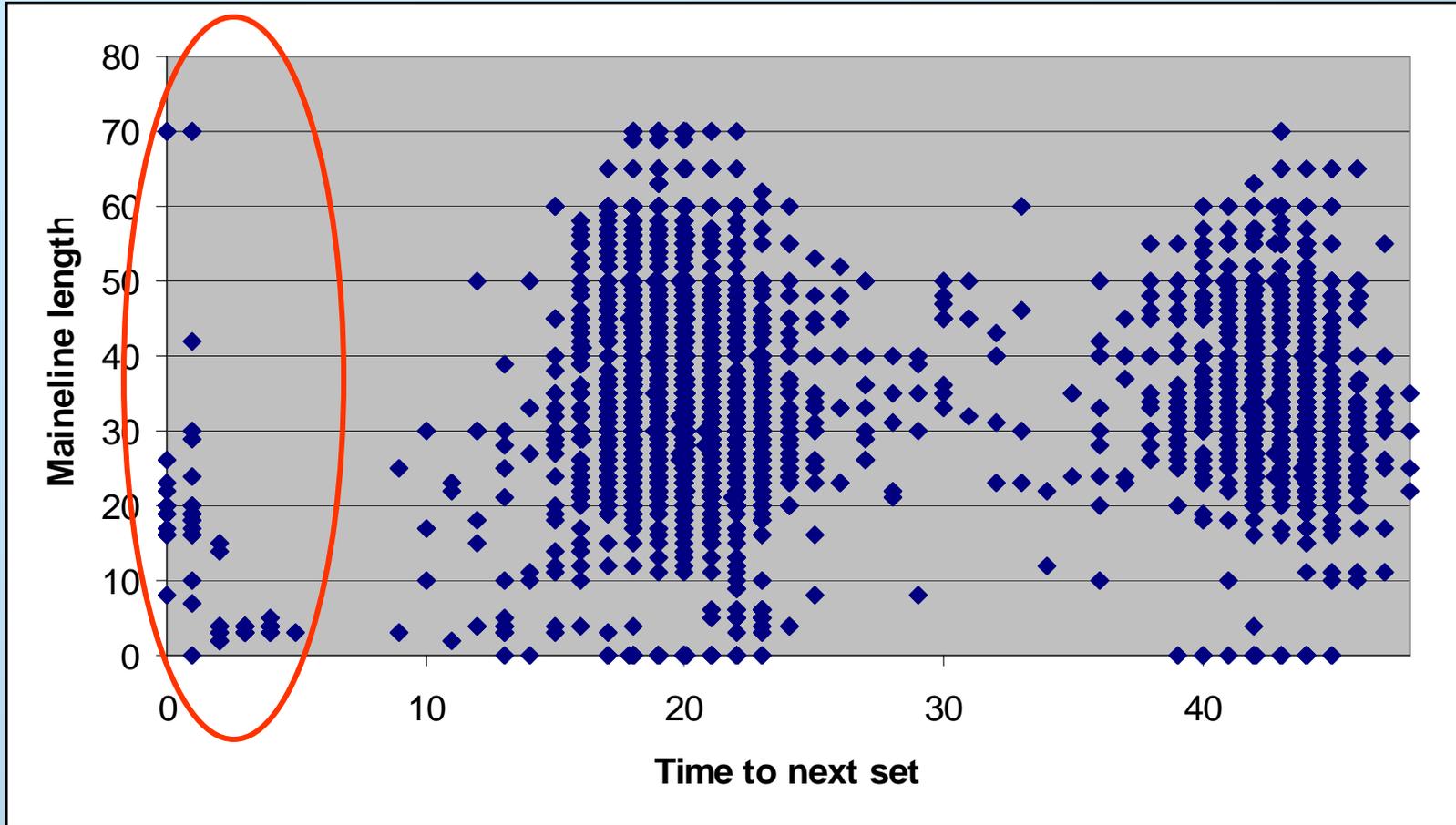
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Split sets? Time between consecutive sets



Time to next set vs. mainline length

(for times < 45 hrs only to show detail)



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New analyses since last work group call

Plots of depredation and false killer
whale / blackfish sightings on
observed longline trips

(Michael Marsik, PIRO)