ICOADS & Surface Pressure Improvements

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AOPC/OOPC Surface Pressure WG
UK Met Office, Exeter
21 October 2005

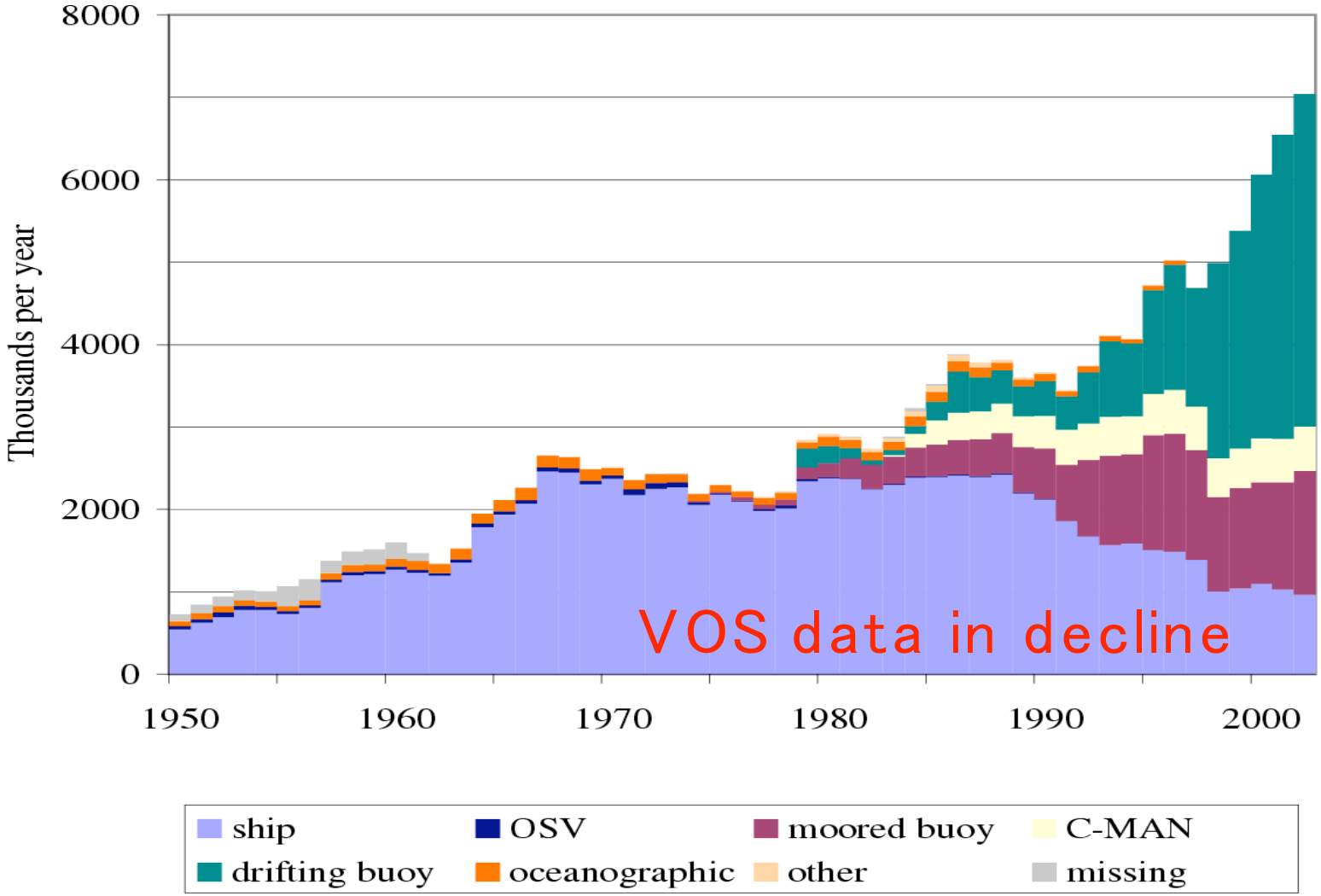
ICOADS

International Comprehensive Ocean-Atmosphere Data Set

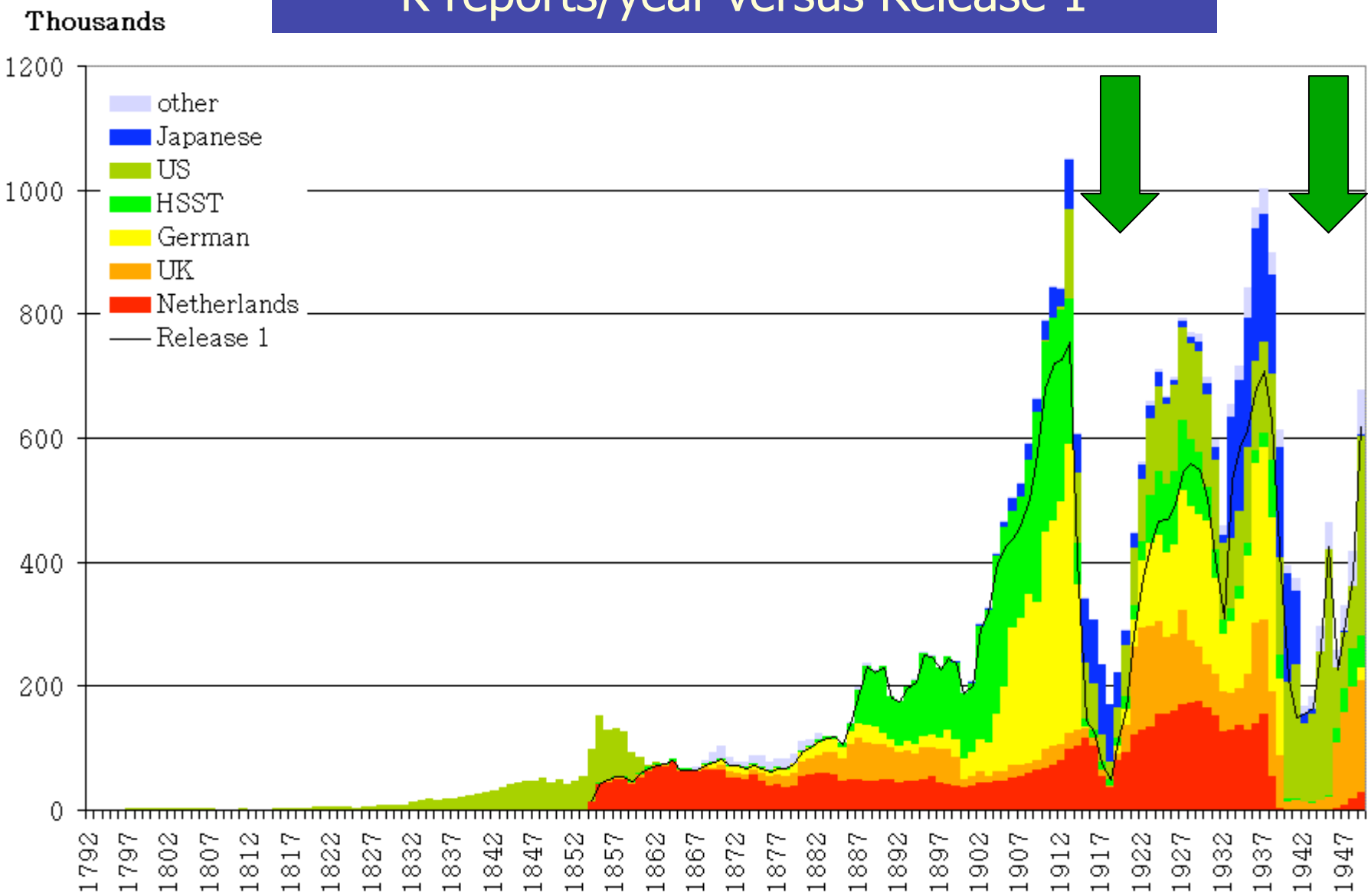
- Release 2.2: 1784-2004
  - completed: October 2005
  - 2003-2004 new (1998-2002 reprocessed)
  - GTS plus delayed-mode buoy sources:
    - MEDS drifting
    - TAO/TRITON and PIRATA moored
    - NDBC moored
- Annual GTS updates planned

Recent *in situ* data composition

JCOMM2: Might Argo floats be fitted w/ barometers?

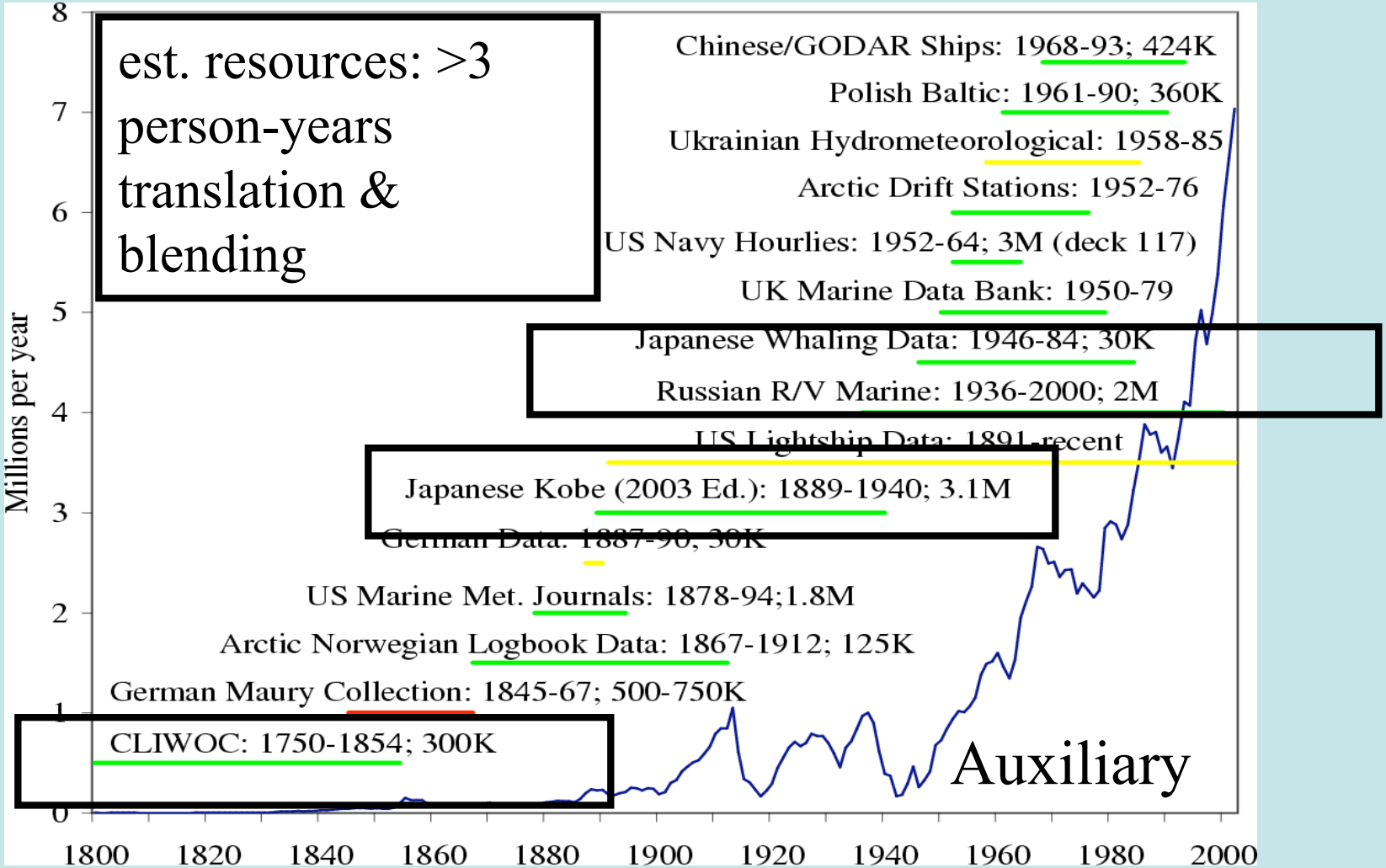


Release 2.2 early national composition: K reports/year versus Release 1



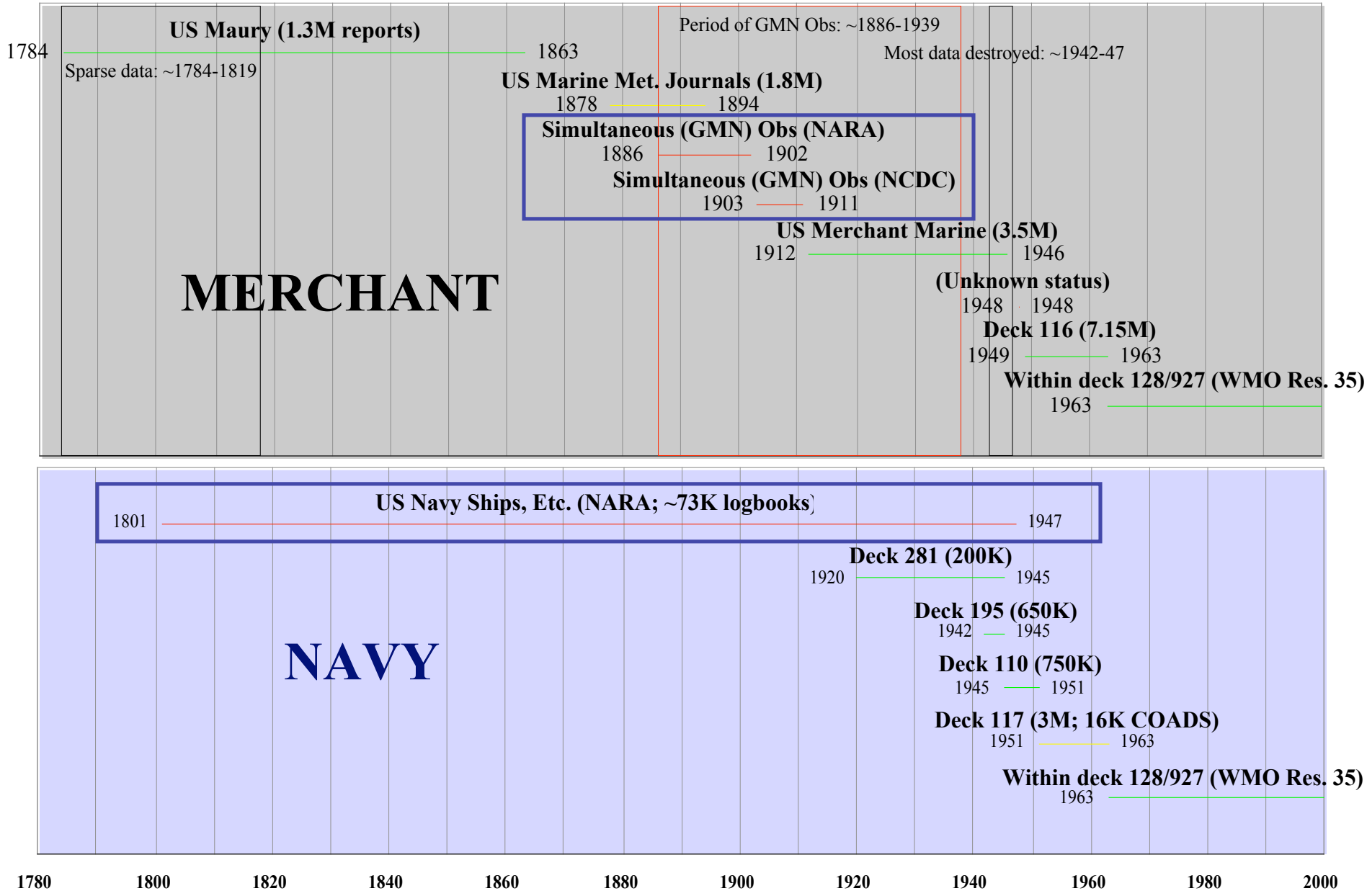
Blend candidates:

red (undigitized), yellow (partly), green (fully)



US Logbook Status

red (undigitized), yellow (not blended), green (blended)



USN Submarine *Devilfish*, 1945

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NAVPERS 134 (REV. 1-44)

DECK LOG—COLUMNAR SHEET

CONFIDENTIAL

LOG OF THE UNITED STATES SHIP DEV FISH (N SS292 (Identification number)

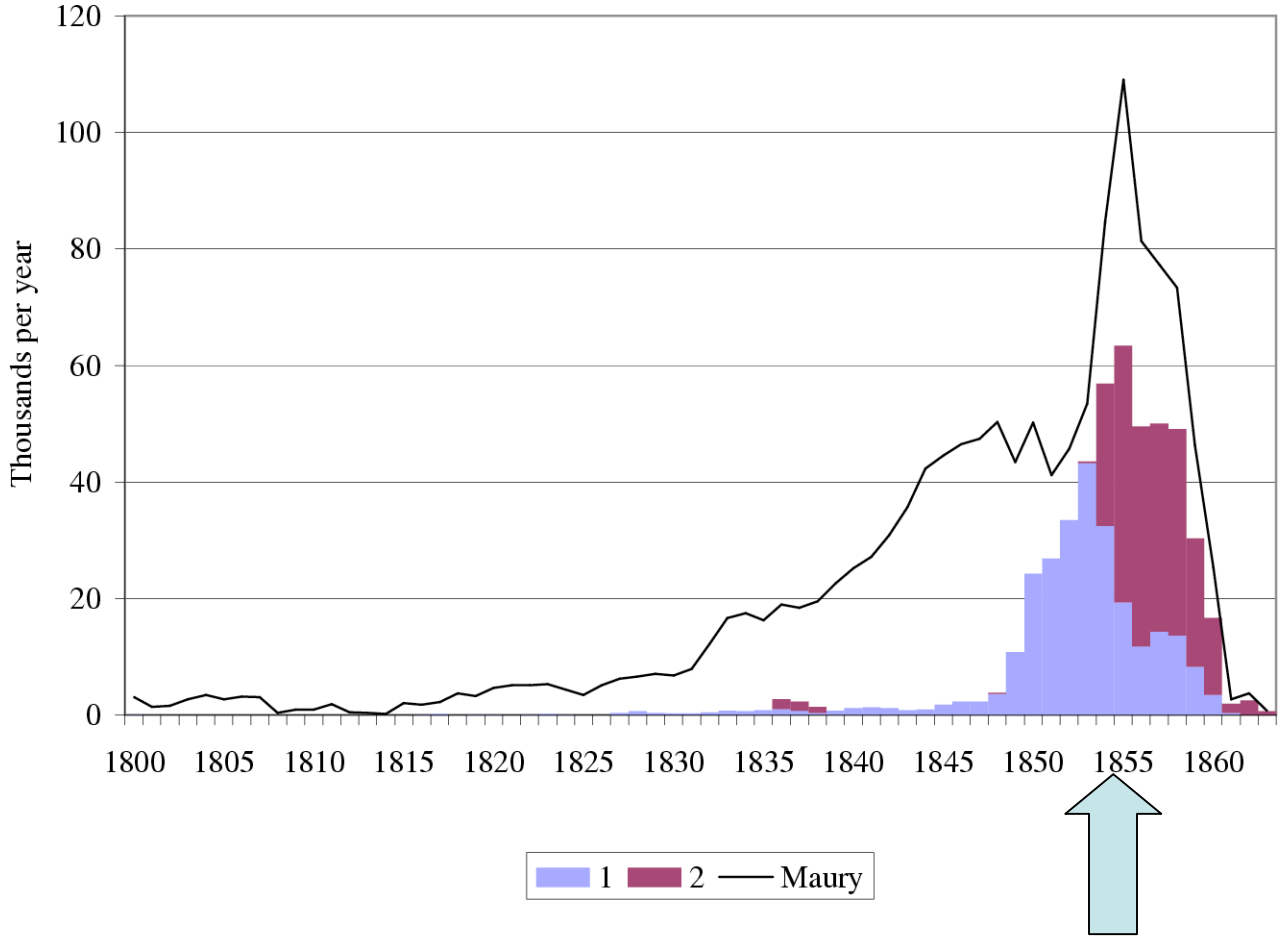
AT (DELETE ONE) PASSAGE FROM Sea Friday (Day) 1 (Date) June (Month), 19 45

ZONE DESCRIPTION -10 S.S. MANN, Jr., Lieut-Comdr., U. S. N. COMMANDING.

HOUR	"ALL SHAFT" AVERAGE REVOLUTIONS	BY REVS. NAUTICAL MILES	BY REVS. TENTHS	BY LOG NAUTICAL MILES	BY LOG TENTHS	COURSE (P. C.) GYRO X MAG (Indicate which)	WIND (TRUE) DIRECTION MOVING FROM (In degrees)	WIND (TRUE) FORCE (Knots)	BAROMETER (CORRECTED) HEIGHT IN INCHES	BAROMETER (CORRECTED) READING AT. THER.	TEMPERATURE AIR, DRY BULB	TEMPERATURE AIR, WET BULB	TEMPERATURE WATER MAIN INJECTION	WEATHER BY SYMBOLS	CLOUDS FORM LOW	CLOUDS FORM MIDDLE	CLOUDS FORM HIGH	CLOUDS CEILING	CLOUDS MOVING FROM (In degrees true)	CLOUDS TOTAL AMOUNT OF SKY COVERED IN TENTHS	VISIBILITY
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
A.M. 1	221.8			15	9	270	260	6	30.04	67			70	3	St	As			260	10	5
2	223.5			16	8	270	260	6	30.02	67			70	3	St	As			260	10	5
3	223.5			17	0	270	260	6	30.01	67			70	3	St	As			260	10	5
4	223.2			16	7	270	260	6	30.01	67			67	3	St				260	10	5
5	132.7			9	4	270	Submerged						67		Submerged						
6	143.1			9	8	270	260	6	30.06	69			67	3	St				260	10	5
7	237.8			17	3	270	260	6	30.02	69			67	3	St				260	10	6
8	237.3			17	8	270	220	6	30.03	69			73	3	St				220	10	6
9	237.4			16	8	270	220	6	30.03	69			73	3	St				220	10	6
10	235.0			18	1	270	220	6	30.04	69			72	3	St				220	10	5
11	235.4			17	6	270	220	6	30.04	69			72	3	St				220	10	5
12	235.8			17	8	270	220	6	30.02	69			69	50	Ns				220	10	4
P.M. 13	247.7			17	7	270	220	6	30.01	69			69	50	Ns				220	10	4
14	242.8			18	1	270	220	6	30.00	69			69	50	St				220	10	5
15	243.6			18	1	270	200	6	30.00	69			69	50	St				200	10	5
16	243.5			18	5	270	200	4	30.00	69			70	50	St				200	10	5
17	242.4			18	3	270	200	4	30.00	67			70	50	St				200	10	6
18	242.3			18	2	270	200	4	29.96	67			70	50	St				200	10	6
[illegible]	236.8			17	7	270	200	4	29.95	68			70	3	St				200	10	5

US Maury SLP problems

1=gravity, 2=& temp correction (attm T)



CLIMAR-III: Third JCOMM Workshop on Advances in Marine Climatology Planned for 2007